

**SAN ANTONIO WATER SYSTEM  
WATER SYSTEM CONSTRUCTION  
Addendum No. 1  
To  
Plans and Specifications  
For  
Forest Crest Water Local Benefit Main  
SAWS Sewer Job No. 10-7004  
Solicitation No. B-11-063-RA**

To Bidder of Record:

This addendum, applicable to the work designed above, is an amendment to the bidding documents and as such shall be a part of and included in the Contract. The original contract documents and any prior addenda remain in full force except as modified by the following which shall take precedence over any contrary provisions in prior documents.

**APPROVED BIDDERS:**

Bids will not be accepted from any company not represented at the mandatory pre-bid meeting held on January 27, 2012 at 10:00 am. The following is a list of the represented firms:

<b>Company</b>	<b>Address</b>	<b>Phone</b>	<b>Email</b>	<b>Contact</b>
Bartek Construction	5221 Port Entry San Antonio, TX 78222	(210) 680-4800	<a href="mailto:kim@bartektx.com">kim@bartektx.com</a>	Kim Murphy
DNT Construction	18952 Redland Rd. #2 San Antonio, Texas 78259	(210) 490-6700	<a href="mailto:mgyuy@dntconstruction.com">mgyuy@dntconstruction.com</a>	Mike Guy
Central Backhoe & Utilities	10080 Braun Road San Antonio, Texas 78254	(210) 688-3244	<a href="mailto:rsanders@centralbacoe.com">rsanders@centralbacoe.com</a>	Ryan Sanders
Wauters Engineering, LLC	12870 Adkins-St. Hedwig Rd. St. Hedwig, TX 78152	(210) 667-2300	<a href="mailto:smerge1@att.net">smerge1@att.net</a>	Steve Mergele
Wauters Engineering, LLC	12870 Adkins-St. Hedwig Rd. St. Hedwig, TX 78152	(210) 667-2300	<a href="mailto:rlwauters@yahoo.com">rlwauters@yahoo.com</a>	Randy Wauters
Corbo Electric	1430 N. Flores San Antonio, Texas 78212	(210) 225-3635	<a href="mailto:Charles@corbo.com">Charles@corbo.com</a>	Charles Albert
Jasiri	4335 Piedras Dr., Ste 175 San Antonio, Texas 78228	(210) 390-0316	<a href="mailto:jflores@jasiriconstruction.com">jflores@jasiriconstruction.com</a>	Jorge Flores
Jasiri	4335 Piedras Dr., Ste 175 San Antonio, Texas 78228	(210) 598-7270	<a href="mailto:tedzamora@gmail.com">tedzamora@gmail.com</a>	Ted Zamora
Atlas Construction	312 Sunset Drive Granite Shoals, TX 78654	(830) 596-0496	<a href="mailto:mrcs@tstar.com">mrcs@tstar.com</a>	Michael Ammerman
Bluebay Construction	2400 Augusta Dr. #453 Houston, TX 77057	(713) 458-1616	<a href="mailto:ama@bluebayconstruction.com">ama@bluebayconstruction.com</a>	Cristina Morales

### **PROJECT CLARIFICATION/REITERATION:**

1. Fire Marshall will not allow closure of Great Navajo at any time and emergency vehicles and residents must have access at all times.
2. It is highly suggested that potential bidders observe potential construction conditions along Great Navajo and Tejas Trail East and West before bidding.
3. One of the variable frequency drives for a Sundance Ranch Booster Station pump was disconnected, but it will be reconnected prior to start of construction. If the contractor has questions regarding this piece of equipment, please contact the SAWS Project Inspector.
4. The area lights and service poles shall remain at the Sundance station. A new area light is to be installed at Forest Crest that is in compliance with the lighting requirements for Camp Bullis Military Lighting Overlay Zone.
5. After pump skid and related appurtenances are relocated to Forest Crest, and other equipment is removed and returned to SAWS as noted on the plans, clean and grade site and repair fences, if needed. Ensure the site is secured.

### **DRAWING REVISIONS:**

1. Sheet E-1 of 33, Electrical Notes were revised to remove the line extension for permanent power being paid for with an allotment.
2. The cover sheet was revised to read "Forest Crest Water Local Benefit Main".
3. Sheet C17 has been revised to delete the instruction to remove and relocate the Chlorine Analyzer from Sundance Ranch Booster Station.

### **QUESTIONS AND ANSWERS:**

#### **Mandatory Pre-Bid Inquiries:**

1. Can you be more specific about which trees need to be washed from debris and what condition they can be left?

**Answer:** All trees along the right-of-way that are covered with rock dust from saw cutting operation must be washed to clear the dust off.

2. When was the last time pumps were serviced?

**Answer:** Approximately 2 months ago.

#### **Written Inquiries:**

1. Please confirm estimated construction budget for the project: I currently have \$1,300,000, time of completion and liquidated damages.

**Answer:** The estimated construction budget is \$1,220,320.55.

2. Please confirm time of completion

**Answer:** The project is scheduled to be completed 180 calendar days from notice to proceed.

3. Also please advise best source for electronic copies of bid documents or advise the number of plan sheets and the number of pages in the specifications.

**Answer:** The construction documents including the plans and specifications can be downloaded from the SAWS website at [www.saws.org](http://www.saws.org). The total number of sheets in the specifications is 166 and the plans contain 32 sheets.

4. Please confirm liquidated damages

**Answer:** "Liquidated damages shall be assessed in the amount of \$350.00 per each calendar day beyond the dates set forth for contract completion."

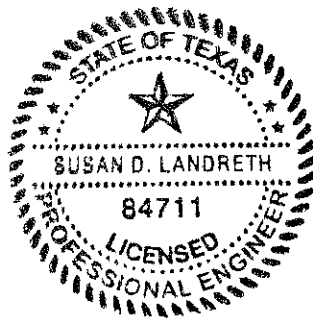
5. Is there any prevailing wage rates for this project? Since the City of San Antonio is mandating the new wage rate, will SAWS make this rates mandatory. Please post the wage rate for this project and specify if it will be mandatory.

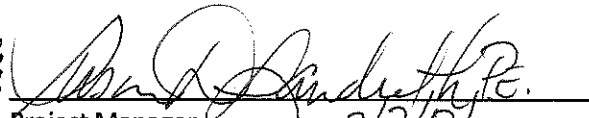
**Answer:** Prevailing wage rates are not required for this contract

**ATTACHMENTS:**

1. Mandatory Pre-Bid Meeting Sign In Sheet
2. Mandatory Pre-Bid Meeting Agenda
3. Forest Crest Cover Sheet
4. Forest Crest Sheet C17
5. Forest Crest Sheet E-1

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



  
Project Manager  
Vickrey & Associates, Inc. 2/2/01

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Bidder

END OF ADDENDUM

San Antonio Water System  
 Forest Crest Water Local Benefit Main  
 Job No. 10-7004 (Water)

Mandatory Pre-Bid Meeting  
 January 27, 2012, 10:00 AM - 11:00 AM  
 Sundance Ranch Pump Station, 25334 Toutant Beauregard

Sign-In Sheet

Name	Company Name	Address	Phone No.	Email
Kim morphy	bartek	5221 Port Entry	210-680-4800	kim@bartektx.com
Mike Guy	DNT Construction	18952 Rosland Rd #2 SA TX 78259	210-490-6700	mguy@dntconstruction.com
Ryan Sanders	Central Backhoe & Utilities	San Antonio 10080 Braun Road 78254	210-688-3244	rsanders@centralbackhoe.com
Steve Mergel	Wauters Engineering LLC	12870 Adkins St. Hedwig Rd St. Hedwig TX 78152	210-667-2800	smergel@att.net
Randy Wauters	" "	" "	" "	rlwauters@yahoo.com
CHARLES ALBERT	CORBO Electric	1430 N. FLORES S.A TX 78212	210-225-3635	CHARLES@CORBO.COM
Jorge Flores	Jasiri	4335 Pedroco Ct. Ste #15 S.A. TX. 78228	210-390 0316	jflores@jasiri-reconstruction.com
TED ZAMORA	"	483	210-598-7270 210-390-036	tedzamoragmail.com <del>tedzamoragmail.com</del>
Michael Amstutzman	ATLAS Const.	392 Sunset Dr. Granite Shoals, TX 78654	830-596-0496 830-220-0225	mrcs@tstaras.com
Cristina Morales	Bluebay Construction	2400 Augusta Dr. #453 Houston, TX 77057	713-458-1610	ama@bluebayconstruction.com

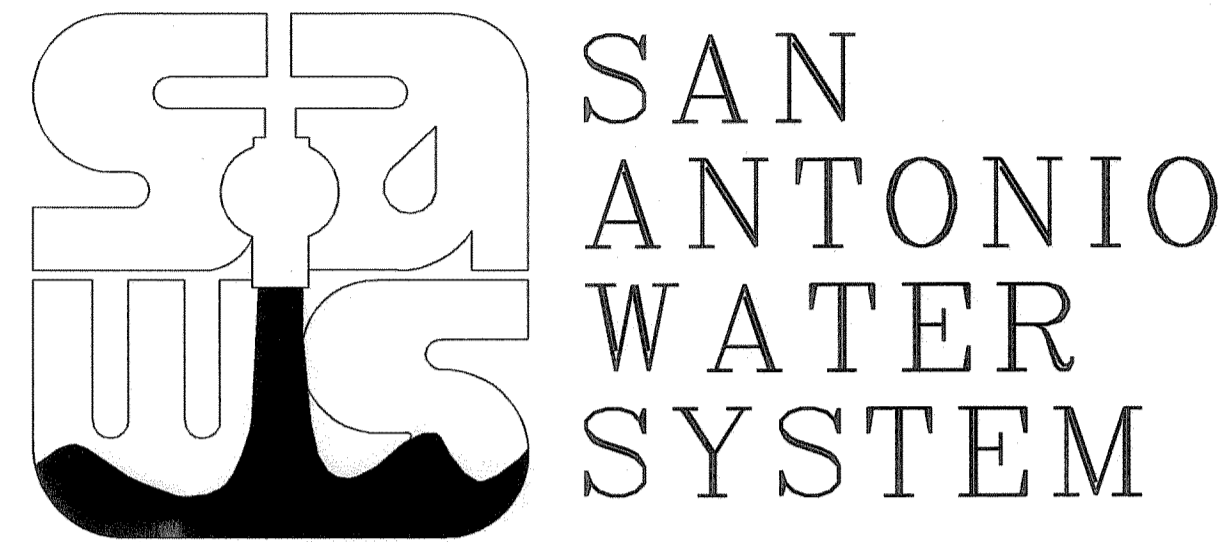
**San Antonio Water System  
Forest Crest Water Local Benefit Main  
Job No. 10-7004 (Water)**

Mandatory Pre-Bid Meeting  
January, 27, 2012  
10:00 AM – 11:00 AM  
Sundance Ranch Pump Station  
25334 Toutant Beauregard,  
San Antonio TX 78255

**Agenda**

1. Introduction – Rikki Anderson
  - a. Rosalee Arcos, Kerry Averyt, Eddie Ibarra, Cristina Hernandez, Susan Landreth
  - b. Additional staff from Productions Group - they are present to observe pre-bid and consult with SAWS Staff and Consultant. NOT TO RESPOND TO INDIVIDUAL QUESTIONS.
2. Project Description – Susan Landreth
  - a. Construction of approximately 6,200 lf of 12-inch main along Great Navajo Road and Tejas Trail East and West
  - b. Service lines up to the property line of approximately 35 residential lots
  - c. Relocation of a skid-mounted booster station, hydropneumatic tank, sound attenuation blanket, electric control panels and SCADA controls and antenna from Sundance Ranch to the corner of Great Navajo and Tejas Trail to be set up as a pump station with minor repairs and updates to the equipment.
3. Contracting Requirements – Rosalee Arcos
  - a. Technical questions must be submitted in writing by January 31, 2012 at 4:00 PM
  - b. Addendum will be posted February 2, 2012 at 4:00
  - c. Bid Opening is February 6, 2012 at 10:00 at SAWS Customer Center Building (Tower II) in Contract Administration, Conference Room 169
4. Special Issues – Rikki Anderson, Susan Landreth
  - a. Contract Duration – 180 Calendar Days
  - b. Security Requirements – Must follow Contractor Security Procedures outlined in Exhibit C on SP-10 of Contract Documents
  - c. Construction Access – Contractor will place own lock on gate at Sundance Ranch one he has completed SAWS' Contractor Security Procedures. Lock must be marked and removed upon completion of work.
  - d. Sundance Ranch – Currently out-of-service
  - e. It is mandatory that access be maintained along Great Navajo at all times
  - f. Special working hours along Great Navajo – 9:00 AM to 4:00 PM, Monday through Friday
  - g. Other Items
5. Questions
  - a. Technical questions must be submitted in writing via email to [raecos@saws.org](mailto:raecos@saws.org) by January 31, 2012 at 4:00 PM

# PLANS FOR WATER CONSTRUCTION

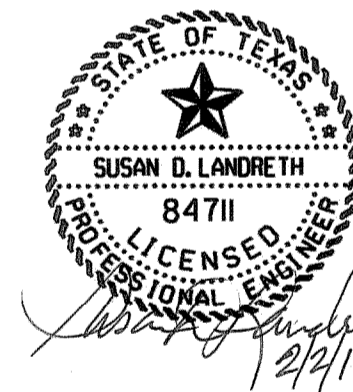
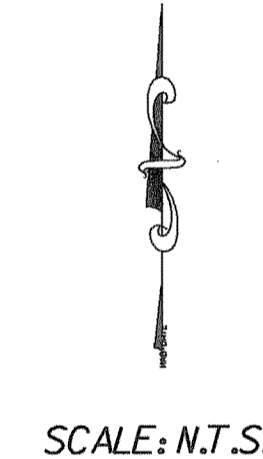
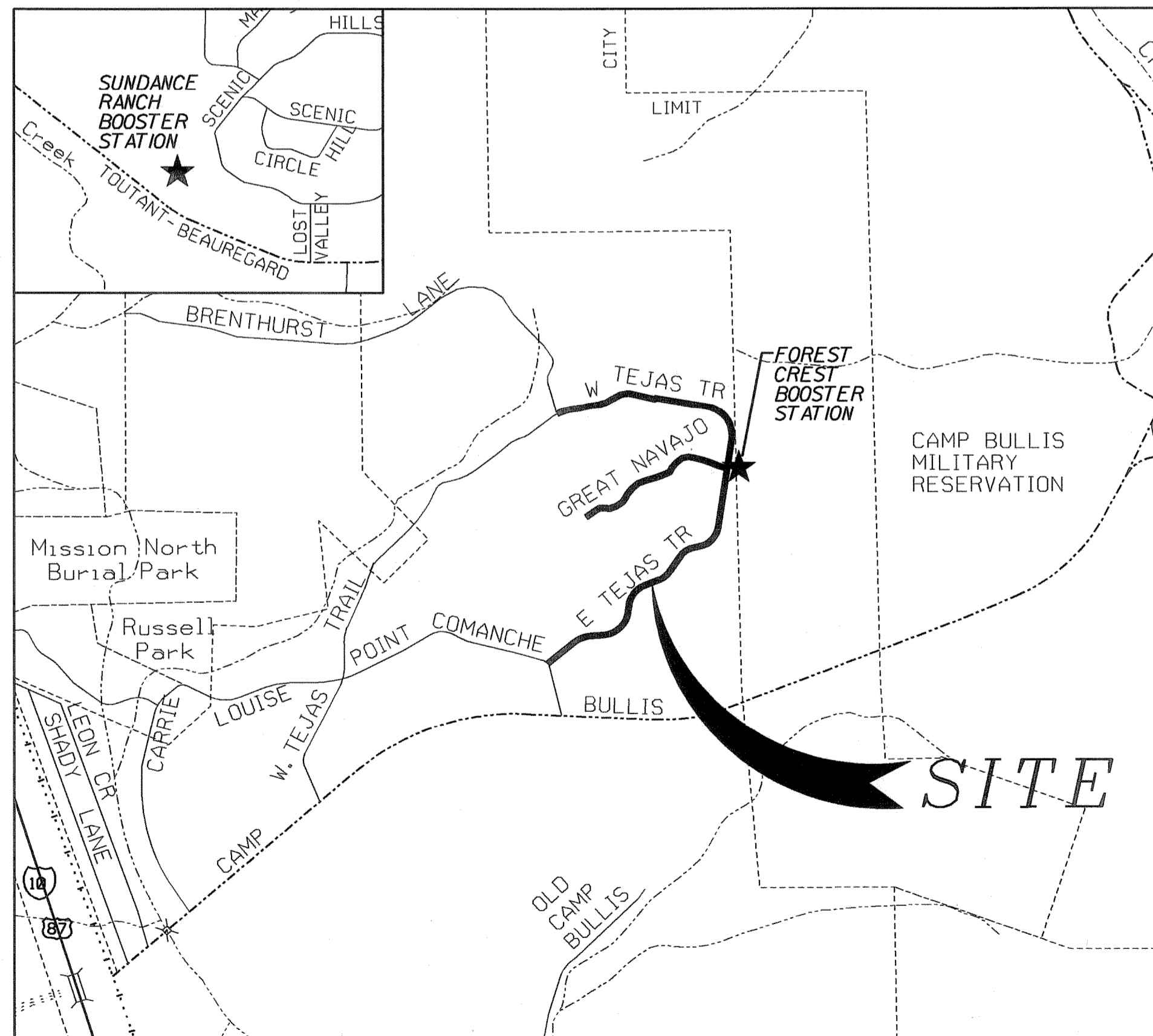


SAWS WATER JOB NO. 10-7004

## FOREST CREST WATER LOCAL BENEFIT MAIN

### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
C1	COVER SHEET
C2	PROJECT LAYOUT AND QUANTITIES
C3	GENERAL NOTES
C4	TRAFFIC CONTROL PLAN
C5-C13	12" WATER MAIN PLANS
C14-C16	DETAILS
C17-C19	BOOSTER PUMP STATION
C20-C23	TRAFFIC STANDARDS
C24	EROSION CONTROL PLAN
SUPPLEMENTAL SUNDANCE RANCH PLAN OF RECORD DRAWINGS ARE FOR INFORMATION ONLY.	
E1	ONE LINE DIAGRAM
E2	ELECTRICAL SITE PLAN
E3	GROUNDING
E4	SCADA ANTENNA
E5	CABLE AND CONDUIT SCHEDULE
E6	DUCT BANK AND GROUNDING DETAILS
S1	STRUCTURAL NOTES
S2	STRUCTURAL DETAILS



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CONSULTING ENGINEERS  
CIVIL / ENVIRONMENTAL / SURVEY

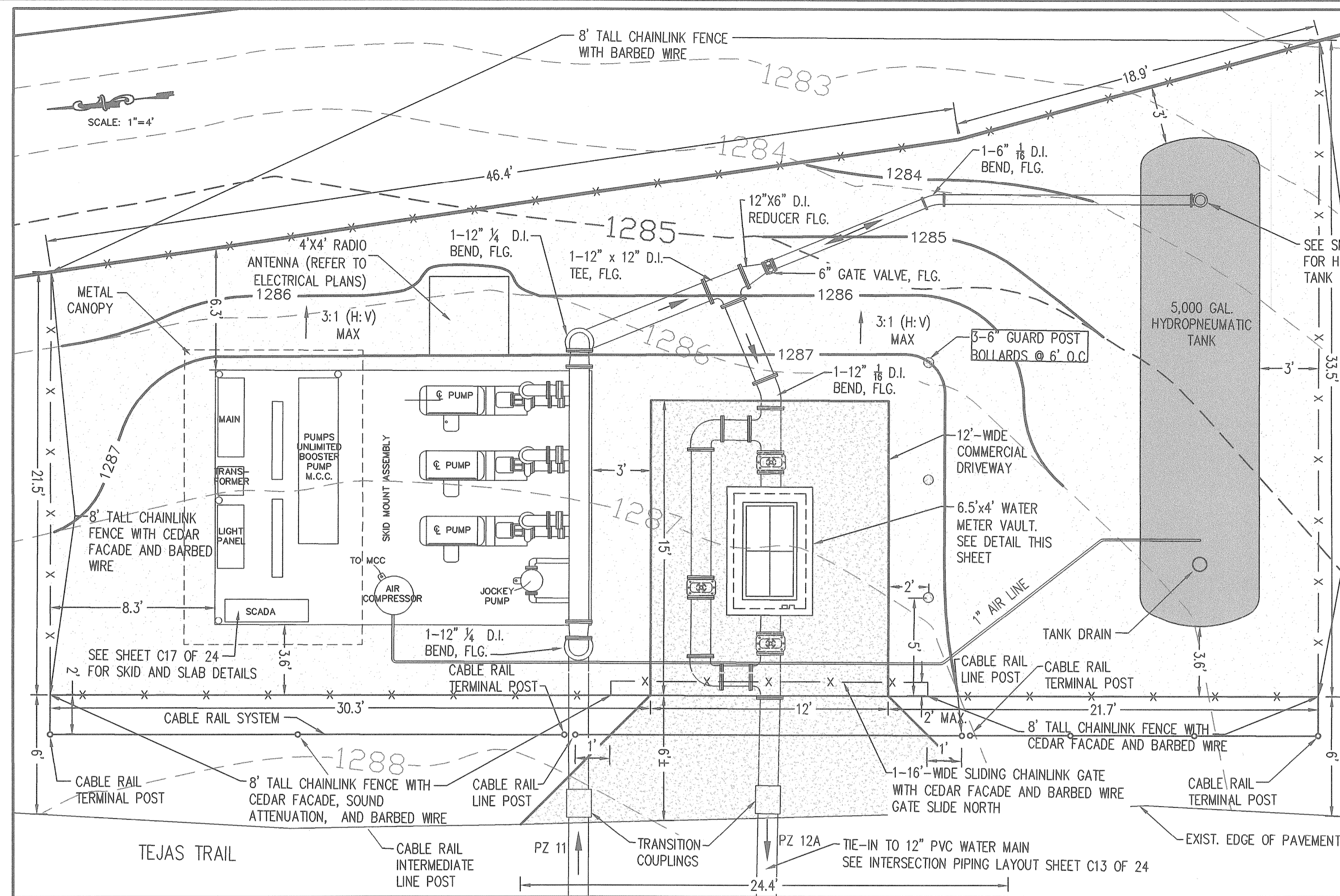
12940 Country Parkway San Antonio, Texas 78216  
Voice: (210) 349-3271 Fax: (210) 349-2561 www.vickrey.net.com  
Texas Board of Professional Engineers Registration No. F-159

No.	Revision	Drawn	Approved	Date

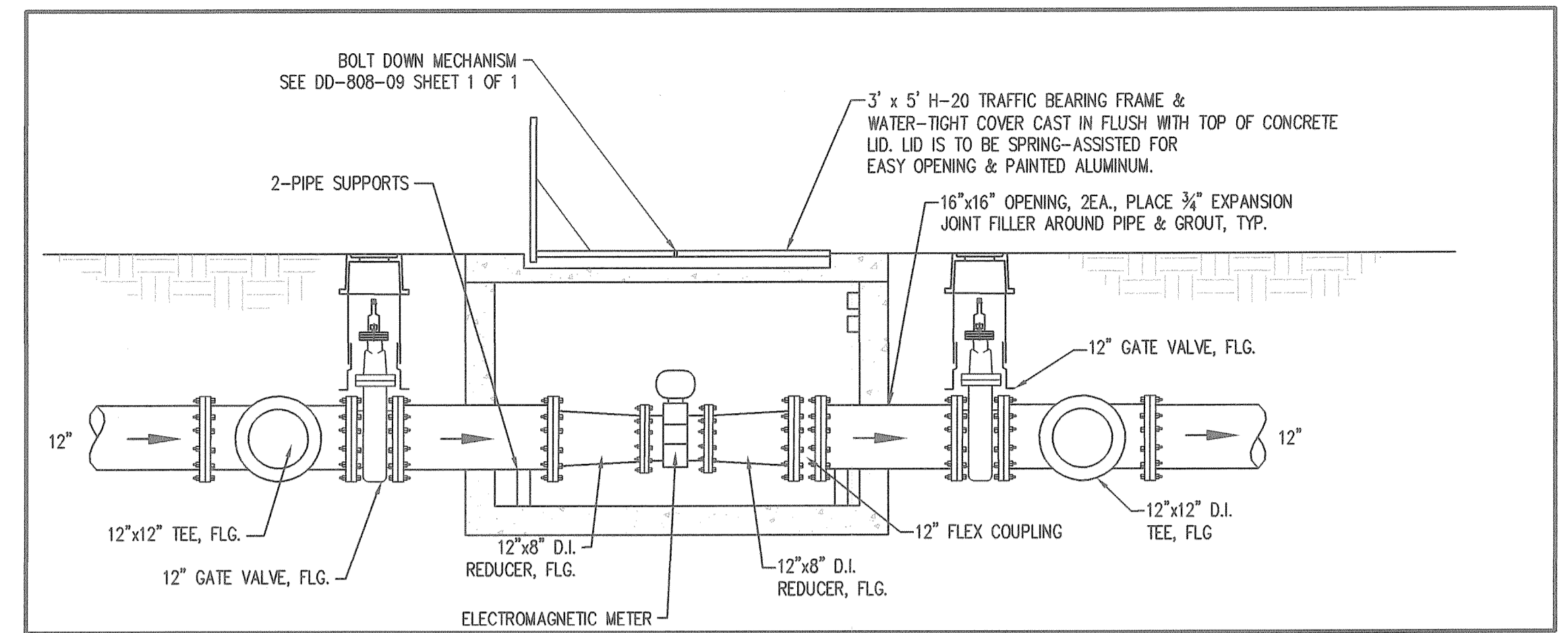
REVISIONS

FOREST CREST  
COVER SHEET

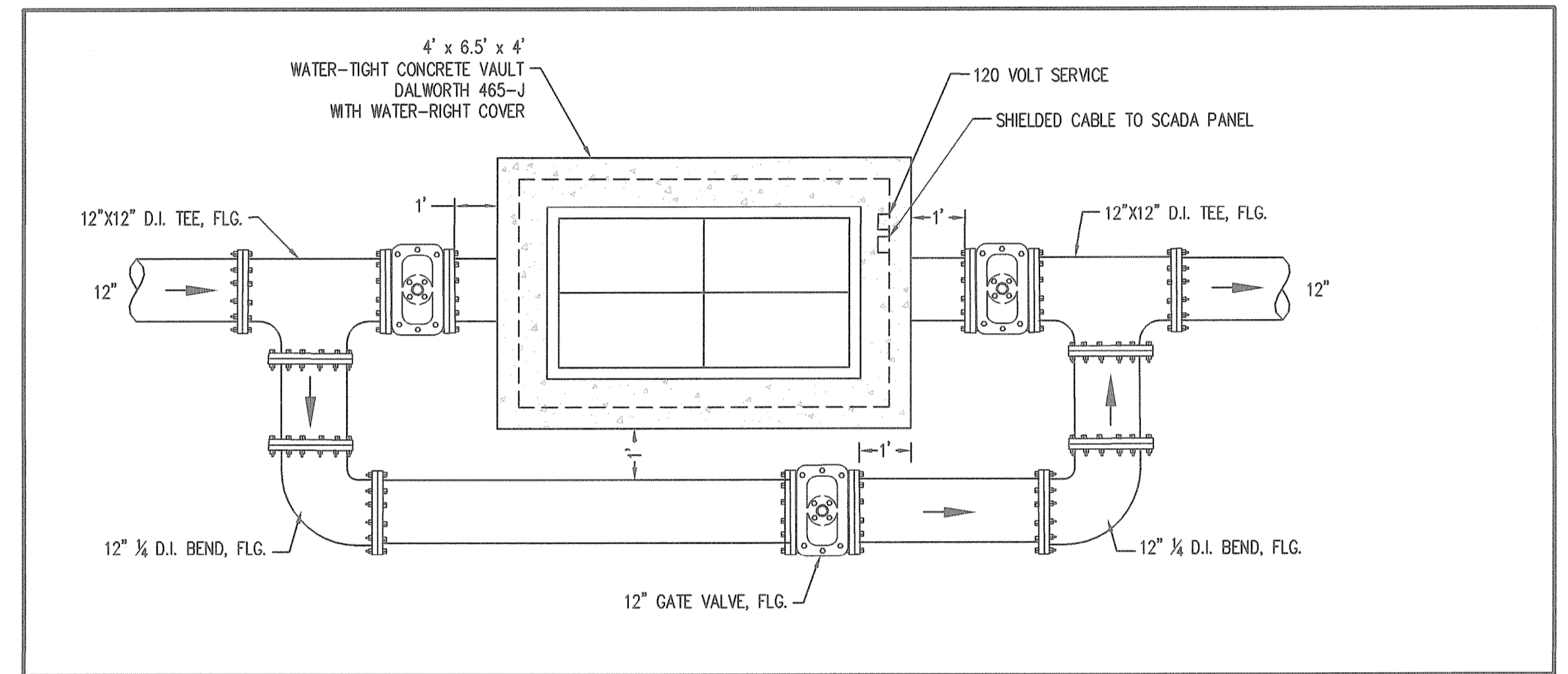
DEVELOPER: \_\_\_\_\_  
 CONT. \_\_\_\_\_ BUDGET PROJ. \_\_\_\_\_  
 SUBMITTED \_\_\_\_\_ 2/2/2012  
 APPROVED \_\_\_\_\_  
 MAP No. 126-658 - 128-654 SHEET  
 SECT. No. \_\_\_\_\_ CI  
 DR. JH,RA CK. BPB JOB No. 10-7004 OF 24



**BOOSTER STATION SITE PLAN**  
N.T.S.



**WATER METER VAULT-PROFILE**  
N.T.S.



**WATER METER VAULT-PLAN**  
N.T.S.

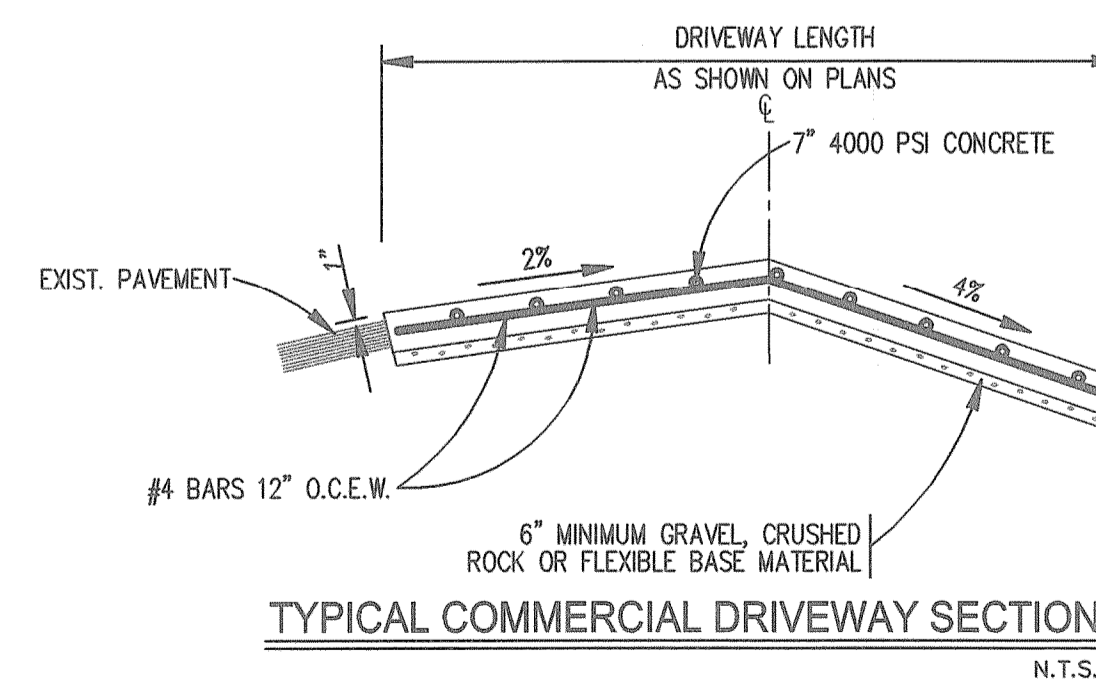
**NOTES:**

- 1) THE RELOCATION AND/OR INSTALLATION OF ALL ITEMS WITHIN THE BOOSTER STATION LIMITS, WITH THE EXCEPTION OF FENCING, CONCRETE DRIVEWAY, BOLLARDS, AND SCADA SYSTEM SHALL BE SUBSIDIARY TO PAY ITEM 11000. SCADA RADIO TOWER SHALL BE DISASSEMBLED AND RELOCATED TO, AND REASSEMBLED AT, THE FOREST CREST STATION AND PAID FOR UNDER THE PAY ITEM FOR "SCADA SYSTEM COMPLETE."
- 2) ALL PIPING WITHIN THE BOOSTER STATION SITE SHALL BE FLANGED DUCTILE IRON.
- 3) INSTALL 4" THICK OF 3/8" TO 3/4" CRUSHED LIMESTONE ROCK IN ALL AREAS WITHIN BOOSTER STATION FENCING EXCEPT IN AREAS DESIGNATED TO HAVE CONCRETE PAVEMENT, PADS, OR FOUNDATIONS.
- 4) SOUND ATTENUATING NOISE BLANKET SHALL BE RELOCATED FROM THE SUNDANCE RANCH BOOSTER STATION AND INSTALLED AT THE FOREST CREST BOOSTER STATION IN ACCORDANCE WITH THE SITE PLAN AND COMBINATION CHAINLINK FENCE DETAIL. THE EXISTING CHAINLINK FENCE FROM THE SUNDANCE RANCH BOOSTER STATION IS NOT TO BE RELOCATED.
- 5) GRADE SITE TO DRAIN WITH 2% MINIMUM SLOPE.
- 6) SLIDING GATE SHALL BE GUIDED BY A V-GROOVE TRACK AND HAVE WHEELS ON BOTH ENDS AND IN THE MIDDLE. BARBED WIRE ON GATE SHALL BE VERTICALLY ORIENTED. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF SLIDING GATE AND FENCING FOR APPROVAL BY ENGINEER.
- 7) CABLE RAIL SYSTEM SHALL BE GIBRALTAR TL4 CABLE SYSTEM OR ENGINEER-APPROVED EQUAL.
- 8) TOP OF CONCRETE DRIVE SHALL BE 2" ABOVE ADJACENT FINISHED GROUND.
- 9) CONTRACTOR SHALL VERIFY AND MATCH EXIST. TANK SUPPORT SPACING.
- 10) ALL SURFACES OF EXISTING METAL APPURTENANCES TO BE RELOCATED, INCLUDING PUMP SKID, PIPING, CANOPY, AND SUPPORTS, ETC. SHALL BE CLEANED AND REPAINTED.
- 11) CONTRACTOR RESPONSIBLE FOR REMOVAL AND RELOCATION OF SPECIFIED ITEMS TO THE MARBACH AND HILDEBRAND STATIONS. CONTRACTOR SHALL REIMBURSE SAWS FOR REPLACEMENT VALUE OF ANY ITEM DAMAGED DURING RELOCATION. CONTRACTOR SHALL COORDINATE WITH MR. DALE COLLINS AT SAWS AT (210)233-3008 FOR RELOCATION OF SPECIFIED ITEMS.

THE RELOCATION OF THE SUNDANCE RANCH BOOSTER STATION WILL REQUIRE THE CONTRACTOR TO RELOCATE THE FOLLOWING FACILITIES TO THE FOREST CREST BOOSTER STATION SITE:  
 5,000 GALLON HYDROPNEUMATIC TANK  
 SKID-MOUNTED PUMPING FACILITIES  
 ELECTRIC FACILITIES ADJACENT TO PUMP SKID INCLUDING METAL CANOPY  
 NOISE BARRIER (SOUND ATTENUATION CURTAIN)  
 FLOW METER & FITTINGS INSIDE VAULT  
 ABOVE-GROUND PIPING & FITTINGS AS FEASIBLE. CONTRACTOR SHALL PLUG ALL PIPE OPENINGS.  
 SCADA RADIO TOWER

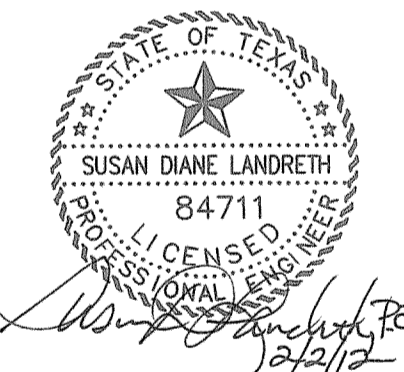
**ITEMS TO REMAIN AT SUNDANCE RANCH BOOSTER STATION SITE**  
 FENCING AND GATES  
 UNDERGROUND PIPING, VALVES, AND FITTINGS  
 GROUND STORAGE TANK AND ALL APPURTENANCES  
 ALL ASPHALT PAVEMENT AND CONCRETE  
 VAULTS  
 POWER POLES AND LIGHT POLES

**ITEMS TO BE RELOCATED TO MARBACH STATION FOR STORAGE**  
 ABOVE-GROUND PIPING/FITTINGS NOT BEING RELOCATED TO FOREST CREST  
 ALTITUDE VALVE ON TANK INLET PIPING  
 BUTTERFLY VALVE ON TANK OUTLET PIPING  
 ELECTRICAL DISCONNECT PANEL ON POWER POLE  
 MISCELLANEOUS ABOVE-GROUND ELECTRICAL CONDUITS AND PLUGS



**TYPICAL COMMERCIAL DRIVEWAY SECTION**  
N.T.S.

CONTRACTOR SHALL SUBMIT FOR ENGINEER APPROVAL A LOCKING MECHANISM FOR THE TERMINAL POST AT THE DRIVEWAY FOR THE CABLE BARRIER.



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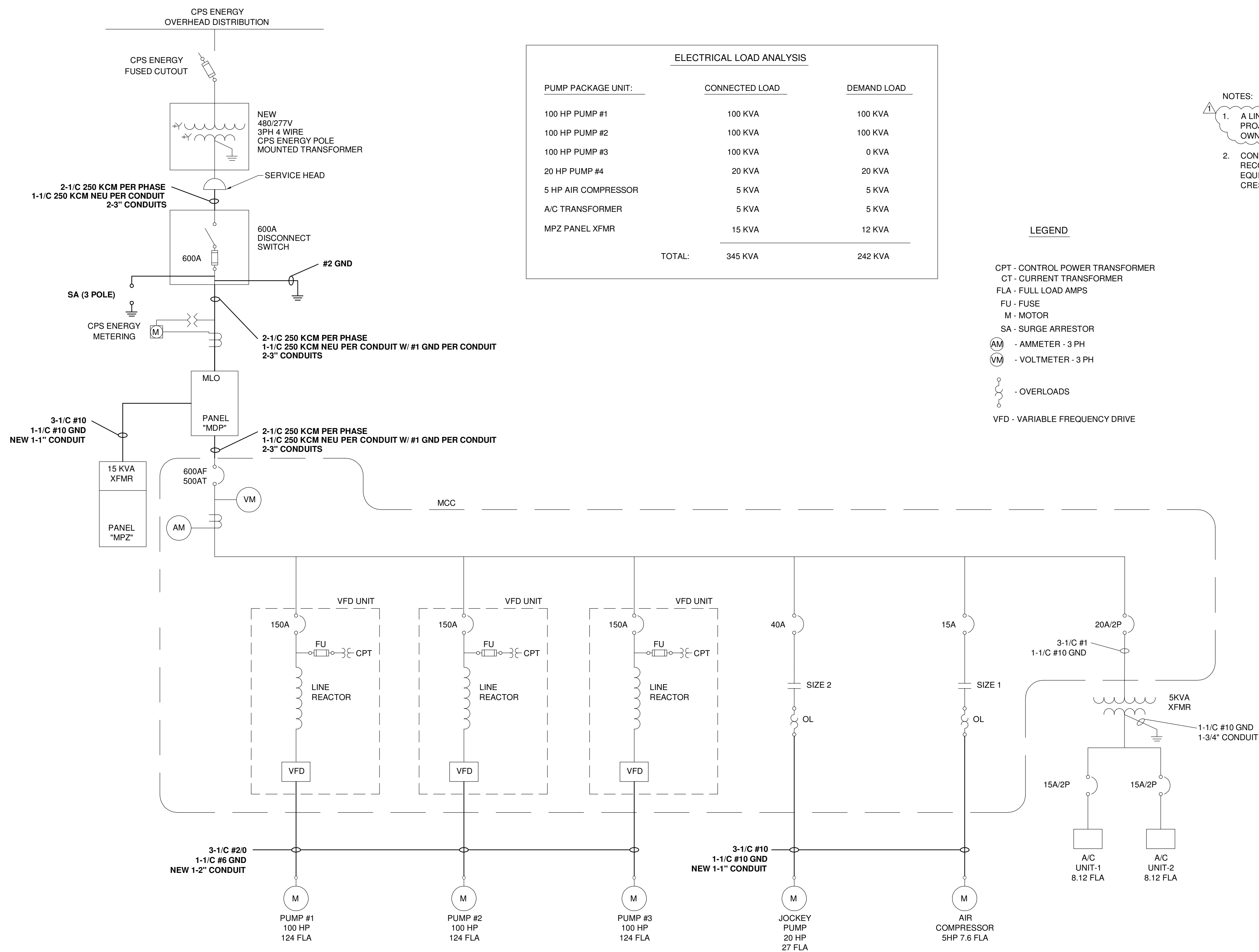
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 Texas Board of Professional Engineers Registration No: F-159

No.	Revision	Drawn	Approved	Date
1	REVISED NOTE			02/02/12

**REVISIONS**

**FOREST CREST BOOSTER PUMP STATION**

DEVELOPER:	
CONT.	BUDGET PROJ.
SUBMITTED	1/11/2011
APPROVED	
MAP No. 126-658 - 128-654	SHEET C17
SECT. No.	DR.
CK.	JOB No. 10-7004
	OF 24



ELECTRICAL LOAD ANALYSIS		
PUMP PACKAGE UNIT:	CONNECTED LOAD	DEMAND LOAD
100 HP PUMP #1	100 KVA	100 KVA
100 HP PUMP #2	100 KVA	100 KVA
100 HP PUMP #3	100 KVA	0 KVA
20 HP PUMP #4	20 KVA	20 KVA
5 HP AIR COMPRESSOR	5 KVA	5 KVA
A/C TRANSFORMER	5 KVA	5 KVA
MPZ PANEL XFMR	15 KVA	12 KVA
<b>TOTAL:</b>	<b>345 KVA</b>	<b>242 KVA</b>

- NOTES:
- A LINE EXTENSION/UPGRADE IS REQUIRED FOR THIS PROJECT. THIS WORK WILL BE COORDINATED BY OWNER.
  - CONTRACTOR IS RESPONSIBLE FOR RELOCATING AND RECONNECTING ALL ELECTRICAL AND SCADA EQUIPMENT FROM SUNDANCE RANCH SITE TO FOREST CREST SITE.

- LEGEND
- CPT - CONTROL POWER TRANSFORMER
  - CT - CURRENT TRANSFORMER
  - FLA - FULL LOAD AMPS
  - FU - FUSE
  - M - MOTOR
  - SA - SURGE ARRESTOR
  - AM - AMMETER - 3 PH
  - VM - VOLTMETER - 3 PH
  - OL - OVERLOADS
  - VFD - VARIABLE FREQUENCY DRIVE

**A** ELECTRICAL ONE-LINE DIAGRAM  
SCALE: N.T.S.



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Texas Board of Professional Engineers Registration No. F-159

No.	Revision	Drawn	Approved	Date
	ADDENDUM #1			2/2/2012

**REVISIONS**

**FOREST CREST**  
ONE-LINE  
DIAGRAM

DEVELOPER: \_\_\_\_\_  
CONT. BUDGET PROJ. \_\_\_\_\_  
SUBMITTED \_\_\_\_\_ xx  
APPROVED \_\_\_\_\_  
MAP No. 126-658 - 128-654 SHEET E-1  
SECT. No. \_\_\_\_\_ OF 6  
DR. \_\_\_\_\_ CK. \_\_\_\_\_ JOB No. 10-7004

DRAWING NAME: R:\Drawings\Projects\Vickrey & Associates\Forest\_Crest\Final Drawings\E-1 One-Line Diagram.dwg