MEETING AGENDA
for
PLANNING, RESOURCES AND OPERATIONS COMMITTEE

June 22, 2021 @ 3 pm
by Virtual/Online or Teleconference

Please join the meeting from your computer, tablet or smartphone at https://global.gotomeeting.com/join/563180581

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Access Code: **563-180-581**

- **Call to Order**

1. Recognitions and Presentations:
2. Additions-Deletions to the Agenda:
3. Public Comments
   This is the time for any shareholder or member of the public to address the committee members on any topic under the jurisdiction of the Company, which is on or not on the agenda. Please note, pursuant to the Brown Act the Committee is prohibited from taking actions on items not listed on the agenda. For any testimony, speakers are requested to keep their comments to no more than four (4) minutes, including the use of any visual aids, and to do so in a focused and orderly manner. Anyone wishing to speak is requested to voluntarily fill out and submit a speaker's form to the manager prior to speaking.

4. Approval of Committee Meeting Minutes
   A. Regular Committee Minutes of April 27, 2021

5. Planning and Operational Issues:

6. Planning and Operational Updates:
   A. Project Status Report/Project List
      Report on on-going projects
   B. Alarm Upgrade and Proposals
      Discussion and Possible Action regarding proposals on alarm upgrade
   C. Paloma Hydraulic Break
      Discussion and Possible Action regarding the Paloma Curve Hydraulic Break
7. Basin Issues and Updates:
   - San Antonio Canyon Watershed – Verbal report
   - Chino Basin - Verbal report
   - Six Basins - Verbal report
   - Cucamonga Basin – Verbal report

8. Closed Session: None.

9. Committee's Comments and Future Agenda Items:
   This is the time for the Committee to comment and consider future agenda items relative to planning, water resources and operations of the company and its shareholders.

Adjournment:
The next regular PROC Meeting will be held on August 24, 2021 at 3:00 p.m.

NOTE: All agenda report items and back-up materials are available for review and/or acquisition at the Company Office (139 N. Euclid Avenue, Upland, CA.) during regular office hours, Monday through Thursday [8:00 – 11:30 & 12:30 – 4:00] and alternating Fridays [8:00 – 11:30 & 12:30 – 3:00]. The agenda is also available for review and copying at the Upland Public Library located at 450 N. Euclid Avenue.

POSTING STATEMENT: On June 17, 2021 a true and correct copy of this agenda was posted at the entry of the Company Office (139 No. Euclid Avenue), and on the public bulletin board at 450 N. Euclid Avenue (Upland Public Library), and on the Company website.

MINUTES OF THE SAN ANTONIO WATER COMPANY
PLANNING, RESOURCES, and OPERATIONS COMMITTEE
April 27, 2021

An open meeting of the Planning, Resources, and Operations Committee (PROC) of the San Antonio Water Company (SAWCo) was called to order virtually at 3:00 p.m. on the above date. Committee members present were Will Elliott, Rudy Zuniga, Kati Parker, and Tom Thomas. Also in attendance were SAWCo's General Manager Brian Lee, Assistant General Manager Teri Layton, and Senior Administrative Specialist Kelly Mitchell. Director Thomas presided due to Director Elliott having audio issues.

1. Recognitions and Presentations – None.

2. Additions-Deletions to the Agenda – None.

3. Public Comments – None.

4. Approval of Committee Meeting Minutes:
   A. Regular Committee Minutes of February 23, 2021 – Director Elliott moved and Director Zuniga seconded to approve the meeting minutes of February 23, 2021 as presented. Motion carried unanimously.

5. Planning and Operational Issues:

6. Planning and Operational Updates -
   A. ***Project Status Report/Project List***
   - ***AMR*** – All but roughly 30 of the new meters have been installed. There are about 60 meters with reads that aren't uploading regularly. Metron-Fariner is working on those meters this week to get them working properly. It is estimated that roughly $60,000 worth of leaks can be prevented using the information pulled from these meters.
   - ***Cucamonga Crosswalls Mitigation*** – Weed abatement of the area will begin in June.
   - ***Comprehensive System Master Plan and Asset Management Program*** – WSG is currently working on both items.
   - ***Reservoir 9 Pipeline*** – Street paving will begin shortly.
   - ***Frankish Tunnel Improvements –*** The retention invoice has been received from the contractor. The project is complete.
   - ***Glendale Road, Cliff Road, Primrose Lane, and Linda Lane Pipelines –*** These small pipeline replacements are wrapping up. Final invoices are expected shortly.
   - ***Well 19 –*** A Request for Proposals (RFP) is expected sometime later this year.
   - ***Booster 17 – V-Screen –*** A back-up generator has been purchased but is not expected to be received until June.
   - ***Shaft 6 –*** A back-up generator has been purchased but is not expected to be received until June.
   - ***Booster 19 –*** Staff purchased a generator which is expected later this year.
   - ***American Water Infrastructure Act Risk and Resiliency Assessment –*** Staff is meeting every two weeks with the consultant going over specific focus data.

Mr. Lee explained in further detail the now completed Frankish Tunnel Improvement project.

B. Abandonment of Surplus Property – Mr. Lee informed the Committee this item came about after Director Zuniga questioned whether SAWCo owned a certain parcel in Upland. SAWCo does own the parcel and building, however, the facility is no longer in use. The building housed a pump station for what is now an abandoned well. Mr. Lee would like to demolish the building and potentially offer it to the owners of the property it borders.

Mr. Lee also found that SAWCo owns a booster station located in a park on 15th Street that is no longer in service. He would like to demolish the equipment and, in exchange for permit fees, quitclaim the property to the City of Upland for park use.

Three quotes for each site are currently being sought. Mr. Lee asked that the Committee recommend the Board approve the cleanup and abandonment of these two surplus properties.

Director Zuniga questioned whether the park site could be used for a cell tower. Mr. Lee stated he would inquire with the company he is currently working with on a cell tower lease for another property to see if it is a viable location. There was concern about the social aspect of having a cell tower in a park located next to a school.

Director Elliott presided over the meeting from this point forward as he was no longer experiencing audio issues.

Director Elliott felt SAWCo should be a good neighbor and improve or remove any eyesores they own in the community. Director Thomas spoke about another facility in the San Antonio Heights with a hydro station that staff should look into the possibility of removing.

Director Parker inquired whether there would be a need for either property/facility in the future. Mr. Lee advised the facilities were once used to pump water from Well 18 northwards, however, with the construction of the 210-freeway water can no longer be pumped northwards from the well.

There was consensus on the Committee to recommend the Board approve the cleanup and abandonment of the surplus properties on San Antonio Blvd. and 15th Street as presented.

C. System Map for Directors – Mr. Lee received a request for a map of SAWCo facilities for newly elected Directors. Though there are several maps of the facilities, one map of all facilities did not exist. A copy will also be brought to the full Board. A tour of the facilities for Directors will be scheduled for later in the year, possibly June. A hardcopy of the system map will be provided at the time of the facilities tour.

7. Basin Issues and Updates

   Mr. Lee explained the basins SAWCo is a part of and their function.

   - ***San Antonio Canyon Watershed*** **–** Ms. Layton reported the draft Watershed Sanitary Survey is expected on May 15th. The next committee meeting is scheduled for May 19th. There is a possibility a Watershed Clean Up Day will take place this year. The 2020 clean up was cancelled due to the pandemic.
   - ***Chino Basin*** – Mr. Lee stated there is no update on this item since the recent Board meeting.
   - ***Six Basins*** – Ms. Layton advised there is nothing new to report since the update at the most recent Board meeting. The next meeting is scheduled for the following day. Water Utility Superintendent, Tommy Hudspeth, will attend as alternate.
   - ***Cucamonga Basin*** – Ms. Layton reported the working group is meeting with consultants. The next basin management meeting will be held May 4th. Director Thomas reiterated a workshop with the board members from all parties involved in the basin should take place. He suggested this take place sometime after a hydrologist is hired for the basin.

8. Closed session: None.

9. Committee's Comments and Future Agenda Items: Director Zuniga asked that the property with the hydro station be placed on the next agenda.

Adjournment: –The meeting adjourned at 3:33 p.m.

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Assistant Secretary
Brian Lee

Agenda Item No. 6A

Item Title: Projects and Operations Update

Purpose:

To update the Committee and Shareholders on Company capital projects.

Updates:

1507 – Office Relocation

Presentation to City of Upland originally scheduled for last year has been deferred at City Manager's request.

1602 – Holly Drive Reservoir, Phase 2

A modified and reduced project was awarded to Paso Robles Tanks on September 15. Contract has been fully executed. Preconstruction meeting held. Material submittal process initiated. Construction of the tank has been completed. Delivery of mixer inlet piping was delayed. Mixer pipe is expected to be delivered and installed this month. Disinfection is expected to occur in July.

The remaining civil portion of the contract was awarded at the March Board Meeting. Civil work was completed in March/April.

Original Budget	$477,000
Original Contracts	$862,130
Civil Contract	$149,985
Authorized Change Orders	$389,096
Current Contract w/ Civil	$1,172,611

1901 – Automated Meter Reading (AMR)

All domestic meters have been installed. Field staff has verified each meter installation and is working to fix minor leaks at some meter threads. Staff is working with supplier on meter communication issues for about 100 meters. Staff is working on rolling out private digital access to their meter for each shareholder starting in the summer.

Original Budget	$770,000
Original Contracts	$731,220
Authorized Change Orders	8,000
Current Contracts	$739,220

1902 – Cucamonga Crosswalls Mitigation

Staff is contacting our environmental contractor to conduct the 2021 Spring Assessment and site clean-up.

County has retained GRB, our contractor for the crosswall work, to process spoils behind the Cucamonga Dam. The state Division of Safety of Dams has requested that the County 'muck out' behind the dam to regain lost storage.

1905 – 2020 Master Plan

Computer Water Model being constructed by consultant. Hydrant flow testing occurred Nov 11th. Computer modeling being calibrated. Data gathering is an ongoing process. Company has purchased three data loggers and a pitot tube flow diffuser.

Consultant presented a Water Supply Resiliency presentation to the PRC in February.

Original Budget	$240,000
Original Contracts	$204,085
Authorized Change Orders	NA
Current Contracts	$204,085

2001 Reservoir 9 Pipeline

Bid opening occurred on Nov 10. Project was awarded to Downing Construction on November 17. Contract has been fully executed.

Final paving occurred on May 12. Project construction is complete. Final slurry of streets is scheduled for June 24th.

Original Budget	$408,000
Original Contracts	$807,090
Authorized Change Orders	$92,204
Current Contracts	$899,295
Proposed Change Order	$100,163
Proposed Contract	$999,458

2002 Frankish Tunnel Improvements

Bid opening occurred on December 4th. Project was awarded to CP Construction on December 15, 2020. Project is complete. Consultant is finalizing paperwork.

Original Budget	$50,000
Original Contracts	$126,485
Authorized Change Orders	NA
FINAL project cost	$126,485

2003 Small Pipelines Project

Bid opening occurred on December 4th. Project was awarded to CP Construction on December 15, 2020. Project is complete. Consultant is finalizing paperwork.

Original Budget	$519,000
Original Contracts	$738,290
Authorized Change Orders	NA
Current Contracts	$738,290

2007 Well 19

Staff is working on a Request for Proposals to construct a new Well 19. RFP should be released next year for consideration by the Board.

2101 Booster 17 (V Screen) Generator

Purchase Order has been submitted. Waiting on delivery.

Original Budget	$18,000
Original Contracts	$14,510

Authorized Change Orders ..... NA
Current Contracts..... $14,510

2102 Shaft 6 Generator

Purchase Order has been submitted. Waiting on delivery.

Original Budget $8,000
Original Contracts $6,436
Authorized Change Orders ..... NA
Current Contracts..... $6,436

2103 Booster 19 (Holly Drive) Generator

Generator was delivered on June 16th and is currently waiting to be installed. Contractor is currently working on concrete pad for generator installation. Staff is currently working with SoCal Gas to get service installed.

Original Budget $75,000
Original Contracts $61,366
Authorized Change Orders ..... NA
Current Contracts..... $61,366

2105 Urban Water Management Plan

Contract was awarded at the March 2021 Board Meeting. Staff and consultant are exchanging and reviewing data.

Original Budget $60,000
Original Contracts $48,780
Authorized Change Orders ..... NA
Current Contracts..... $48,780

2106 American Water Infrastructure Act Risk and Resiliency Assessment

Contract was awarded at the March 2021 Board Meeting. Staff and consultant are exchanging and reviewing data.

Original Budget $40,000
Original Contracts $29,075
Authorized Change Orders ..... NA
Current Contracts..... $29,075

2107 Risk and Resiliency Assessment of SCADA system

Company has contracted a detailed study to find and eliminate openings in our SCADA system to reduce risk of outside attacks.

Original Budget $15,000
Original Contracts $12,000
Authorized Change Orders ..... NA
Current Contracts..... $12,000

2108 Demolition of abandoned booster stations 5 and 15

Contract with CP Construction was awarded at the May Board Meeting. City has tentatively agreed to waive permit fees in exchange for quitclaim of park land.

Original Budget	$100,000
Original Contracts	$80,000
Authorized Change Orders	NA
Current Contracts	$80,000

Agenda Item No. 6B

Item Title: Alarm Upgrade and Proposals

Purpose:
To discuss and possibly recommend to the full Board a facility monitoring and alarm upgrade.

Issues:
Should the Company consider updating their facility monitoring and alarm system?

Manager's Recommendation:
Staff is recommending approving ADT for facility monitoring and alarm notification for all 5 facility sites listed.

Background:
The Company currently utilizes two companies for facility monitoring and alarms.

- Mijac Alarm monitors the Main Office, providing cameras for the outside and inside perimeters.
- Baker Systems monitors the Operations Building, Reservoir 1 and the Forebay.

Due to aging technology the Baker system needs updating. Baker wants to upgrade the panel at Reservoir 1 to an LTE cellular-enabled panel due to ongoing cellular technology sunsets. The expected cost for this site is $1,200. Before approving the expenditure staff conducted research on alarm companies to address issues we are currently having with both systems. Some of the issues are as follows:

- Baker alarm has not always notified staff of system changes and later invoices us for work
- Staff consistently receives false alarms with Baker video monitoring (Getting false alarms is not productive and causes one to ignore what system is intended to do)
- It makes sense to incorporate 1 company for all alarm monitoring
- Staff has identified an additional facility of concern to alarm; Booster Station 19 (Holly Drive)

Staff solicited bids from four known monitoring and alarm companies: Mijac, Baker, By Alarm and ADT. Baker did not provide a proposal.

Following are the upgrade cost proposals. Staff assumes a seven-year lifespan for the technology.

Alarm Co.	One Time installation	Yearly Monitoring Cost	Yearly Monitoring Cost x 7 years	Total 7-year cost	Average yearly cost over 7 years
Mijac	$14,145	$ 9,936	$ 69,552	$ 83,697	$11,957
ADT	$35,956	$ 8,490	$ 59,430	$ 95,386	$13,627
Bay Alarm	$17,350	$28,140	$ 196,980	$214,330	$30,618

The current Baker system combines the still camera and video in one. Mijac's proposal is to separate this function and have a separate camera and separate video. Their idea is that you would shut off video during day so you wouldn't get false alarms. However, staff would still get false alarms after hours. This doesn't seem like the best approach. Alarm companies now can identify false threats better such as cats,

trash truck etc. and program to not give a false alarm. Additionally, ADT and Bay Alarm also have ability to play a pre-recorded message, encouraging intruders leave right away.

The Company currently pay close to $4,000 a year for monitoring 4 sites. The above cost includes 5 sites. The 5 facility sites are as follows:

Facility	Address	Alarm Company
Office	139 N. Euclid	Mijac
Yard	172 First Avenue	Baker Systems
Forebay	2570 Mesa Terrace	Baker Systems
Res. #1	400 E. 20th Street	Baker Systems
Booster Station	885 East 26th	New site

Previous Action:
None

Impact on Budget:
Installation cost would be taken out of capital reserves while monitoring cost would increase operating budget this year, depending on when system is installed and working

LIVE VIDEO MONITORING PROPOSAL

SAN ANTONIO WATER COMPANY

Scope of Work:

Bay Alarm Company to install a new live video monitoring security systems. The system includes cloud management storage and remove viewing. Bay Alarm Company to retain ownership of all installed equipment. All leased equipment is provided with full service warranty for life of the contract.

BayGuard Live Benefits:

With Bayguard Live, you have the combination of high definition technology and human intervention to stop the act of crime and contact the proper authorities before it costs your business thousands of dollars in profits. With BayGuard Live you get:

- Live remote video monitoring of your security system after hours.
- Interrupt trespassing and stop theft before it happens with audio commands.
- A more secure environment for your outdoor assets.

Bay Alarm's highly trained Monitoring Agents are alerted when an intruder has entered the protected area. They are immediately provided with a live feed from the onsite cameras. The monitoring agent will assess the threat, use audio commands to stop the action, and contact the proper authorities.

Our advanced analytics enabled cameras provide an additional level of security allowing you to focus on their business while we focus on your security.

Project Timeline: 3-5 Weeks

Pricing Option and Terms:

5-year term

Yard

System Installation and Activation Cost	$5,800.00 One Time*
Monitoring, Full-Service Warranty & Remote Application	$750.00 Per Month

Res #1

System Installation and Activation Cost	$3,950.00 One Time*
Monitoring, Full-Service Warranty & Remote Application	$600.00 Per Month

Forebay

System Installation and Activation Cost	$3,950.00 One Time*
Monitoring, Full-Service Warranty & Remote Application	$600.00 Per Month

Booster #20

System Installation and Activation Cost	$2,700.00 One Time*
Monitoring, Full-Service Warranty & Remote Application	$300.00 Per Month

*50% due at signing and remaining due at install to turn on system

**The system will be under a full-service warranty, meaning that you will never be charged for: Service calls, labor rates, or materials in order to fix any faulty equipment.

BURGLAR ALARM SYSTEM PROPOSAL

SAN ANTONIO WATER COMPANY - OFFICE

Scope of Work:

Bay Alarm Company to connect to and monitor all user owned burglar alarm equipment. Bay Alarm Company to retain ownership of all installed equipment. All leased equipment is provided with full service warranty for life of the contract.

Connect to:

One	(1)	Control Panel
One	(1)	Wireless Receiver
One	(1)	Keypad
One	(1)	Siren
Two	(2)	Door Contacts
Two	(2)	Shed Door Contacts
Six	(6)	Motion Detectors

Material List:

One	(1)	Cellular Communicator

Customer Responsibilities:

- Interior Access
- End User onsite to train on phone application

Bay Alarm to Program for Bay Alarm App/Virtual Keypad:

- Arm/Disarm system remotely
- Edit/add/delete users from desktop or handheld
- Real time push notifications and email updates
- User history and activity reports

Project Timeframe: 3-4 Weeks

Pricing Option and Terms:

5-Year Term

System Installation and Activation Cost	$300.00 One Time*
Monitoring, Remote App & Cellular Communication	$55.00 Per Month

*50% due at signing and remaining due at install to turn on system

**Full-service warranty, meaning that you will never be charged for: Service calls, labor rates, or materials in order to fix any faulty equipment.

CCTV SYSTEM PROPOSAL

SAN ANTONIO WATER COMPANY

Scope of Work:

Bay Alarm Company to install new CCTV NVR that will connect with the customer's existing six cameras and will provide remote viewing access. The DVR will record 4 TB of storage. Bay Alarm Company to retain ownership of all installed equipment. All leased equipment is provided with full service warranty for life of the contract.

Material List:

One (1) 8 Channel 4TB NVR

Customer Responsibilities:

- Access to all areas of the building.
- IT person or support for network configuration.

Remote Access:

Bay Alarm View Mobile App give users access to video and real-time alerts to protect their business anytime, anywhere. Bay Alarm Company products provide more reliable, cyber secure, remote video access and give users actionable insight into events which may impact the security or profitability of their business.

Project Timeline: Approximately 3-4 Weeks

Pricing Option and Terms:

5-year term

System Installation and Activation Cost $650.00 One Time*

Full Service Warranty, Remote Access, Customer Service & Support $40.00 Per Month

*50% due at signing and remaining due at install to turn on system

**Full-service warranty, meaning that you will never be charged for: Service calls, labor rates, or materials in order to fix any faulty equipment.

Return to Item 6B

Powered by Experience.
Driven by Excellence.™

ADT Commercial

Proposal

Proposal prepared for:

SAN ANTONIO WATER COMPANY

Presented by:

Kirk Butler
951-552-0611 | 3/16/2021

Sales Agreement ID: 891027233

ADT Commercial

Powered by Experience. Driven by Excellence.

What helps make us an industry leader is plain and simple–we strive to deliver an outstanding customer experience at all points of interaction.

Coverage across the US

We have a national footprint with 150 locations, 4,500+ employees, 300,000+ customer locations, and 4 monitoring and operations centers.

Product and service offerings

- Access Control
- Alarm Monitoring
- Analytics & Reporting
- ATM & ITM
- eSuite℠ Account Management
- Fire Alarm Systems
- Health & Nurse Call
- Hosted & Managed Services
- Integrated Solutions
- Intrusion Alarm Systems
- Network Deployment & Management
- Risk Management Consulting Services
- Security-Only Networks
- Sprinkler Systems *(in select markets)*
- Structured Cabling
- System Customization, Installation & Support
- Video Solutions

Integrated system design and implementation offerings

- Managed broadband and MPLS
- Design-build engineering
- Wireless network security
- Tier 2 and Tier 3 support 24/7
- Network security
- Program and project management
- Data storage systems
- Security consulting and design assistance
- Cloud backup and disaster recovery
- Security network design assistance, implementation and management
- Structured cabling

ADT Commercial

Powered by Experience.
Driven by Excellence.™

Tuesday, March 16, 2021

SAN ANTONIO WATER COMPANY

172 S 1st Ave
UPLAND, CA 91786

Thank you for allowing us the opportunity to provide you with a proposal for your security system. I am pleased to propose a cost effective solution for your organization that will allow you to help mitigate your risks and reduce losses.

At ADT Commercial, we pride ourselves in providing our commercial customers with attentive service, proven security solutions, and the highest level of professional installation and monitoring.

I look forward to discussing this proposal with you. Should you have any questions, please do not hesitate to contact me.

Sincerely,

Kirk Butler
951-552-0611 / kirkbutler@adt.com

Equipment and Investment Statement for: DMP XT50 Security Alarm System Design

Site Information: SAN ANTONIO WATER COMPANY, 172 S 1st Ave, UPLAND, CA 91786

Theory of Operation:

Customer to arm disarm the system with the DMP app prior to entering the yard to disable the alarm and the cameras from reporting. the cameras will still record.

Scope of Work:

ADT to provide and install the following alarm system to protect the building as well as turn on and off the 2 cameras from reporting a person trespassing on the yard.

The panel keypad and siren will go in the main front office area. (This alarm system uses Cell communication for the alarm system only. The camera system requires customer provided internet)

We will replace the old system with new wireless motions to cover the main building rooms

We will contact the 6 man doors on the main building

Site/ Schedule Contact:

Name-

Best Contact #-

Site Contact Authorized to Sign Job Completion/Closeout Acknowledgement Form:

Name-

Best Contact #-

Special Notes Regarding Reuse and Tie on Existing Devices and System Wiring: (only Applies if Applicable to Project)

-Should any of the existing system devices or wiring being reused and tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in operational or reusable condition , or have preexisting trouble conditions or does not test correctly, ADT/Protection One will provide repair/replacement quote to Customer on an per device basis.

Special Notes Regarding Extended Service Protection Plan of Existing Devices: (only Applies if Offered at time of Sale)

-Should any of the existing system devices being tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in good working order at time of installation, ADT will exclude coverage of non-working devices, unless said devices are replaced. (A 60 day grace period will effect coverage of the existing devices)

Special Notes Regarding equipment damaged by others. (like contractors, other trades and or the customer)

- Should any equipment installed or existing that is to be used per the agreement by ADT and the customer is found damaged before, during or after the completion of the installation will result in a change order to the customer to repair , replace or rewire.

Items to be provided by customer (Only If Applicable to Project)

- Rental Cost of Required High Reach Man Lift
- 110V Power at control and/or power supply location
- Open Port on customer's existing network router for Control Panel plugin (For systems Using IP Communication Only)
- Any required network drops at control location
- Adequate Wall/IT Rack Space for installation of ADT Installed Equipment
- Access to facility during normal business hours to perform system installation and required end user training
- Normal Business Hours are defined as Mon-Fri 8am-5pm Excluding National Holidays, Work performed outside normal business hours will require prior approval and will incur additional labor costs
- Access within the Facility to all areas installation work is to be performed
- Clear Work space for the safe placement of ladders to perform system installation work
- Clear Work space for the maneuvering of high reach lift if lift is required to perform installation work

- 25% Deposit of installation charge due prior to commencement of work
- Balance due at time of completion unless other arrangements agreed upon prior
- Satisfactory Business or Personal Credit History

Job Completion and Sign off Requirements:

- Customer Authorized user must be present at time of system completion to receive system training and to Sign Completion forms.
- In the event that the system installation is complete and an authorized User/Signer is not present, the system will be powered down and a return trip will be scheduled and an additional $95.00 return charge may be applied to the account.

Items required to be provided by customers IT department/personnel: (Only If Applicable to Project)

- Open Port on Network switch (For Systems Using IP Communicators only)
- Network Ports open/unlocked on router firewall (For Systems Using IP Communicators only)
- Any required network drops at control location

System Mobile Phone App General Perimeters: (Only If Applicable to Project)

- All User Devices to be loaded with Intrusion System Mobile App must be present during initial system and setup. A Tech Return Trip charge of $185.00 will apply to load software on devices not present during initial system setup
- All Device owners must posses Admin Rights on device to be loaded with software

- Intrusion System Mobile App Loaded onto 4 customer devices as part of initial scope of work. Additional Devices requested to be loaded subject to a $15.00 per device charge.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
4	Wireless PIR Motion Detector	57.22	$228.88
1	XT50 with Wireless Receiver, Dialer, ADT Keypad 7160-WADT, Transformer, Lock	194.61	$194.61
1	LTE CELLULAR COMMUNICATOR, XT30, XT50 VERIZON	172.72	$172.72
6	WIRELESS UNIVERSAL TRANSMITTER, WHT	32.16	$192.95
1	RELAY OUTPUT MODULE	24.31	$24.31
1	ADT-1270/F1-1 PACK - 12V-7AH SEALED LEAD ACID	13.05	$13.05
		Sub Total Equipment Cost:	$826.52

Labor & Other Summary:

Description	Amount
Labor	$1,172.81
Sub Total Labor & Other Cost:	$1,172.81

Recurring Services:

Description	Amount
ESuite	$5.00
Monitoring	$20.00
Service Plan	$12.00
Signaling	$20.00
Sub Total Monthly Charge:	$57.00

Summary of Charges for: DMP XT50 Security Alarm System Design	
Installation Price	**$1,999.33**
Estimated Install Taxes	**$64.06**
Total Installation Price*	**$2,063.39**
Total Monthly Recurring Services Charges*	**$57.00**
	*Plus applicable tax

Equipment and Investment Statement for: AXIS Camera System Design

Site Information: SAN ANTONIO WATER COMPANY, 172 S 1st Ave, UPLAND, CA 91786

Theory of Operation:

CCTV System

Theory of Operations:

To provide Video coverage of the customers property as per the design. This is with **Local Video Verification (not viewed by ADT**) with 2 Axis cameras. The Customer will view the cameras upon an activated camera, either through the camera Analytics or a burglar alarm activated device.

The customer will be able to view the cameras on the Speco phone app and will be able to speak to the trespasser with the speaker at the location and the phone app.

Scope of Work:

SOW:

Based on the site survey, ADT will do: (see attached design document)

- Install 2 Axis Cameras as per design document
- Install 1 Trendnet POE switch (to plug the cameras into first).
- Install 1 Speco NVR
- Install 1 Speco two way voice module and speaker
- The DMP control panel will work in conjunction with the NVR. One relay from the 860 module will be wired to the nearest camera I/O and ADT will program it to Arm and Disarm with the software.
- The customer will use the DMP App to Arm/Disarm the system.
- Connect to the Customers network. **Static IP address is needed.**
- Contact Evolon for the Licenses and Programming. **See attached instructions in Uploaded Documents.**
- Test and Program
- Train users on system

The Customer is responsible for:

- Register the Alarm System with, the local Authority Having Jurisdiction per Local Ordinance & Law.
- Provide immediate access to all areas of the premise as involved with, the installation of the Commercial Security Alarm System as listed and described.
- Provide active power service including 110v outlet to be located near the POE switch.
- Customer to provide a **Static IP Address.**
- **All costs if, any to repair or replace existing CCTV Equipment and/or cable if, found by ADT to be damaged or otherwise not operational at time of installation.**
- The AHJ (Authority Having Jurisdiction) may review the system plans and approve installation and service. Any changes required by the AHJ shall be implemented at the Customer's expense

NOTE: No other equipment, materials, services nor labor is implied nor to be presumed by either, the Customer or ADT Security Solutions other than specifically listed and described in writing within the ADT Agreement and/or Agreement Rider as to be reviewed, signed & mutually approved by both, the Customer's Authorized Representative & ADT prior to installation & activation of service.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount

1	8 Channel NVR 4K IP H.265 2TB with Advanced AI and Built in POE	518.16	$518.16
1	Digital Deterrent Audio Kit, Includes PVL15A,SPC15RP, SFR12 & PSW5	143.43	$143.43
2	AXIS P1455-LE Network Camera	511.80	$1,023.59
1	6-Port Gigabet PoE+Switch 1 SFP Port	115.41	$115.41
250	24/4 CAT5E CMP BX Blue 5C	0.50	$125.50
100	16/2 STR CM/CL2 5C BX GRY	0.99	$98.70

Sub Total Equipment Cost:	$2,024.79

Labor & Other Summary:

Description	Amount
Labor	$1,873.06

Sub Total Labor & Other Cost:	$1,873.06

Recurring Services:

Description	Amount
Service Plan	$21.70
Video	$50.00

Sub Total Monthly Charge:	$71.70

Summary of Charges for: AXIS Camera System Design	
Installation Price	**$3,897.85**
Total Installation Price*	**$3,897.85**
Total Monthly Recurring Services Charges*	**$71.70**
	*Plus applicable tax

Equipment and Investment Statement for: DMP XT50 Security System Design

Site Information: SAN ANTONIO WATER COMPANY INC, 2570 Mesa Terrace, UPLAND, CA 91784

Theory of Operation:

Customer to arm disarm the system with the DMP app prior to entering the yard to disable the alarm and the cameras from reporting. the cameras will still record.

Scope of Work:

ADT to provide and install the following alarm system to protect the 2 buildings as well as turn on and off the 2 cameras from reporting a person trespassing on the yard.

The panel , keypad will go in the main building. (This alarm system uses Cell communication for the alarm system only. The camera system requires customer provided internet)

We will replace the old system with new hardwired dual tech motion to cover the main building roll up door and skylight and a hardwired contact on the main man door.

We will contact the double man doors on the smaller building with a wireless transmitter

Site/ Schedule Contact:

Name-

Best Contact #-

Site Contact Authorized to Sign Job Completion/Closeout Acknowledgement Form:

Name-

Best Contact #-

Special Notes Regarding Reuse and Tie on Existing Devices and System Wiring: (only Applies if Applicable to Project)

-Should any of the existing system devices or wiring being reused and tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in operational or reusable condition , or have preexisting trouble conditions or does not test correctly, ADT/Protection One will provide repair/replacement quote to Customer on an per device basis.

Special Notes Regarding Extended Service Protection Plan of Existing Devices: (only Applies if Offered at time of Sale)

-Should any of the existing system devices being tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in good working order at time of installation, ADT will exclude coverage of non-working devices, unless said devices are replaced. (A 60 day grace period will effect coverage of the existing devices)

Special Notes Regarding equipment damaged by others. (like contractors, other trades and or the customer)

- Should any equipment installed or existing that is to be used per the agreement by ADT and the customer is found damaged before, during or after the completion of the installation will result in a change order to the customer to

repair , replace or rewire.

Items to be provided by customer (Only If Applicable to Project)

- 110V Power at control and/or power supply location
- Open Port on customer's existing network router for Control Panel plugin (For systems Using IP Communication Only)
- Any required network drops at control location
- Adequate Wall/IT Rack Space for installation of ADT Installed Equipment
- Access to facility during normal business hours to perform system installation and required end user training
- Normal Business Hours are defined as Mon-Fri 8am-5pm Excluding National Holidays, Work performed outside normal business hours will require prior approval and will incur additional labor costs
- Access within the Facility to all areas installation work is to be performed
- Clear Work space for the safe placement of ladders to perform system installation work
- Clear Work space for the maneuvering of high reach lift if lift is required to perform installation work

- 25% Deposit of installation charge due prior to commencement of work
- Balance due at time of completion unless other arrangements agreed upon prior
- Satisfactory Business or Personal Credit History

Job Completion and Sign off Requirements:

- Customer Authorized user must be present at time of system completion to receive system training and to Sign Completion forms.
- In the event that the system installation is complete and an authorized User/Signer is not present, the system will be powered down and a return trip will be scheduled and an additional $95.00 return charge may be applied to the account.

Items required to be provided by customers IT department/personnel: (Only If Applicable to Project)

- Open Port on Network switch (For Systems Using IP Communicators only)
- Network Ports open/unlocked on router firewall (For Systems Using IP Communicators only)
- Any required network drops at control location

System Mobile Phone App General Perimeters: (Only If Applicable to Project)

- All User Devices to be loaded with Intrusion System Mobile App must be present during initial system and setup. A Tech Return Trip charge of $185.00 will apply to load software on devices not present

during initial system setup

- All Device owners must posses Admin Rights on device to be loaded with software
- Intrusion System Mobile App Loaded onto 4 customer devices as part of initial scope of work. Additional Devices requested to be loaded subject to a $15.00 per device charge.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	BLUE LINE G2 TRI TECH MOTION 1 0.525GHZ	42.27	$42.27
1	XT50 with Wireless Receiver, Dialer, ADT Keypad 7160-WADT, Transformer, Lock	194.60	$194.60
2	WIRELESS UNIVERSAL TRANSMITTER, WHT	32.16	$64.31
1	LTE CELLULAR COMMUNICATOR, XT30, XT50 VERIZON	172.71	$172.71
2	Commercial Contact ?Spst ?Brow	6.95	$13.89
1	RELAY OUTPUT MODULE	24.31	$24.31
1	ADT-1270/F1-1 PACK - 12V-7AH SEALED LEAD ACID	13.06	$13.06
		Sub Total Equipment Cost:	$525.15

Labor & Other Summary:

Description	Amount
Labor	$1,177.15
Sub Total Labor & Other Cost:	$1,177.15

Recurring Services:

Description	Amount
ESuite	$5.00
Monitoring	$20.00
Service Plan	$12.00
Signaling	$20.00
Sub Total Monthly Charge:	$57.00

Summary of Charges for: DMP XT50 Security System Design	
Installation Price	**$1,702.30**
Total Installation Price*	**$1,702.30**
Total Monthly Recurring Services Charges*	**$57.00**
	*Plus applicable tax

Equipment and Investment Statement for: Axis camera System Design

Site Information: SAN ANTONIO WATER COMPANY INC, 2570 Mesa Terrace, UPLAND, CA 91784

Theory of Operation:

CCTV System

Theory of Operations:

To provide Video coverage of the customers property as per the design. This is with **Local Video Verification (not viewed by ADT**) with 2 Axis cameras. The Customer will view the cameras upon an activated camera, either through the camera Analytics or a burglar alarm activated device.

The customer will be able to view the cameras on the Speco phone app and will be able to speak to the trespasser with the speaker at the location and the phone app.

Scope of Work:

SOW:

Based on the site survey, ADT will do: (see attached design document)

- Install 2 Axis Cameras as per design document
- Install 1 Trendnet POE switch (to plug the cameras into first).
- Install 1 Speco NVR
- Install 1 Speco two way voice module and speaker
- The DMP control panel will work in conjunction with the NVR. One relay from the 860 module will be wired the nearest camera I/O and ADT will program it to Arm and Disarm with the software.
- The customer will use the DMP App to Arm/Disarm the system.
- Connect to the Customers network. **Static IP address is needed.**
- Contact Evolon for the Licenses and Programming. **See attached instructions in Uploaded Documents.**
- Test and Program
- Train users on system

The Customer is responsible for:

- Register the Alarm System with, the local Authority Having Jurisdiction per Local Ordinance & Law.
- Provide immediate access to all areas of the premise as involved with, the installation of the Commercial Security Alarm System as listed and described.
- Provide active power service including 110v outlet to be located near the POE switch.
- Customer to provide a **Static IP Address.**
- **All costs if, any to repair or replace existing CCTV Equipment and/or cable if, found by ADT to be damaged or otherwise not operational at time of installation.**
- The AHJ (Authority Having Jurisdiction) may review the system plans and approve installation and service. Any changes required by the AHJ shall be implemented at the Customer's expense

NOTE: No other equipment, materials, services nor labor is implied nor to be presumed by either, the Customer or ADT Security Solutions other than specifically listed and described in writing within the ADT Agreement and/or Agreement Rider as to be reviewed, signed & mutually approved by both, the Customer's Authorized Representative & ADT prior to installation & activation of service.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	8 Channel NVR 4K IP H.265 2TB with Advanced AI and Built in POE	518.16	$518.16
1	Digital Deterrent Audio Kit, Includes PVL15A,SPC15RP, SFR12 & PSW5	143.43	$143.43
2	AXIS P1455-LE Network Camera	511.79	$1,023.58
1	6-Port Gigabet PoE+Switch 1 SFP Port	115.41	$115.41
250	24/4 CAT5E CMP BX Blue 5C	0.50	$125.50

Sub Total Equipment Cost:	$1,926.08

Labor & Other Summary:

Description	Amount
Labor	$2,034.28

Sub Total Labor & Other Cost:	$2,034.28

Recurring Services:

Description	Amount
Service Plan	$20.61
Video	$50.00

Sub Total Monthly Charge:	$70.61

Summary of Charges for: Axis camera System Design	
Installation Price	**$3,960.36**
Total Installation Price*	**$3,960.36**
Total Monthly Recurring Services Charges*	**$70.61**
	*Plus applicable tax

Equipment and Investment Statement for: DMP XT50 System Design

Site Information: SAN ANTONIO WATER COMPANY, 400 E 20th st, UPLAND, CA 91784

Theory of Operation:

Customer to arm disarm the system with the DMP app prior to entering the yard to disable the alarm and the cameras from reporting. the cameras will still record.

Scope of Work:

ADT to provide and install the following alarm system to protect the building as well as turn on and off the 2 cameras from reporting a person trespassing on the yard.

The panel keypad will go in the building. where the old Videofied panel is located (This alarm system uses Cell communication for the alarm system only. The camera system requires customer provided internet)

We will install 2 hardwired motions above the panel to protect the building (no contacts are included.)

Site/ Schedule Contact:

Name-

Best Contact #-

Site Contact Authorized to Sign Job Completion/Closeout Acknowledgement Form:

Name-

Best Contact #-

Special Notes Regarding Reuse and Tie on Existing Devices and System Wiring: (only Applies if Applicable to Project)

-Should any of the existing system devices or wiring being reused and tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in operational or reusable condition , or have preexisting trouble conditions or does not test correctly, ADT/Protection One will provide repair/replacement quote to Customer on an per device basis.

Special Notes Regarding Extended Service Protection Plan of Existing Devices: (only Applies if Offered at time of Sale)

-Should any of the existing system devices being tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in good working order at time of installation, ADT will exclude coverage of non-working devices, unless said devices are replaced. (A 60 day grace period will effect coverage of the existing devices)

Special Notes Regarding equipment damaged by others. (like contractors, other trades and or the customer)

- Should any equipment installed or existing that is to be used per the agreement by ADT and the customer is found damaged before, during or after the completion of the installation will result in a change order to the customer to repair , replace or rewire.

Items to be provided by customer (Only If Applicable to Project)

- 110V Power at control and/or power supply location
- Open Port on customer's existing network router for Control Panel plugin (For systems Using IP Communication Only)
- Any required network drops at control location
- Adequate Wall/IT Rack Space for installation of ADT Installed Equipment
- Access to facility during normal business hours to perform system installation and required end user training
- Normal Business Hours are defined as Mon-Fri 8am-5pm Excluding National Holidays, Work performed outside normal business hours will require prior approval and will incur additional labor costs
- Access within the Facility to all areas installation work is to be performed
- Clear Work space for the safe placement of ladders to perform system installation work
- Clear Work space for the maneuvering of high reach lift if lift is required to perform installation work

- 25% Deposit of installation charge due prior to commencement of work
- Balance due at time of completion unless other arrangements agreed upon prior
- Satisfactory Business or Personal Credit History

Job Completion and Sign off Requirements:

- Customer Authorized user must be present at time of system completion to receive system training and to Sign Completion forms.
- In the event that the system installation is complete and an authorized User/Signer is not present, the system will be powered down and a return trip will be scheduled and an additional $95.00 return charge may be applied to the account.

Items required to be provided by customers IT department/personnel: (Only If Applicable to Project)

- Open Port on Network switch (For Systems Using IP Communicators only)
- Network Ports open/unlocked on router firewall (For Systems Using IP Communicators only)
- Any required network drops at control location

System Mobile Phone App General Perimeters: (Only If Applicable to Project)

- All User Devices to be loaded with Intrusion System Mobile App must be present during initial system and setup. A Tech Return Trip charge of $185.00 will apply to load software on devices not present during initial system setup
- All Device owners must posses Admin Rights on device to be loaded with software
- Intrusion System Mobile App Loaded onto 4 customer devices as part of initial scope of work. Additional Devices requested to be loaded subject to a $15.00 per device charge.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	LTE CELLULAR COMMUNICATOR, XT30, XT50 VERIZON	172.69	$172.69
1	XT50 with Wireless Receiver, Dialer, ADT Keypad 7160-WADT, Transformer, Lock	194.58	$194.58
2	BLUE LINE G2 TRI TECH MOTION 1 0.525GHZ	42.27	$84.53
1	RELAY OUTPUT MODULE	24.30	$24.30
1	ADT-1270/F1-1 PACK - 12V-7AH SEALED LEAD ACID	13.06	$13.06
		Sub Total Equipment Cost:	$489.16

Labor & Other Summary:

Description	Amount
Labor	$934.91
Sub Total Labor & Other Cost:	$934.91

Recurring Services:

Description	Amount
ESuite	$5.00
Monitoring	$20.00
Service Plan	$12.00
Signaling	$20.00
Sub Total Monthly Charge:	$57.00

Summary of Charges for: DMP XT50 System Design	
Installation Price	**$1,424.07**
Total Installation Price*	**$1,424.07**
Total Monthly Recurring Services Charges*	**$57.00**
	*Plus applicable tax

Equipment and Investment Statement for: Axis System Design

Site Information: SAN ANTONIO WATER COMPANY, 400 E 20th st, UPLAND, CA 91784

Theory of Operation:

CCTV System

Theory of Operations:

To provide Video coverage of the customers property as per the design. This is with **Local Video Verification (not viewed by ADT**) with 3 Axis cameras. The Customer will view the cameras upon an activated camera, either through the camera Analytics or a burglar alarm activated device.

The customer will be able to view the cameras on the Speco phone app and will be able to speak to the trespasser with the speaker at the location and the phone app.

Scope of Work:

SOW:

Based on the site survey, ADT will do: (see attached design document)

- Install 3 Axis Cameras as per design document
- Install 1 Trendnet POE switch (to plug the cameras into first).
- Install 1 Speco NVR
- Install 1 Speco two way voice module and speaker
- The DMP control panel will work in conjunction with the NVR. One relay from the 860 module will be wired to the nearest camera I/O and ADT/Evolon will program it to Arm and Disarm with the software.
- The customer will use the DMP App to Arm/Disarm the system.
- Connect to the Customers network. **Static IP address is needed.**
- Contact Evolon for the Licenses and Programming. **See attached instructions in Uploaded Documents.**
- Test and Program
- Train users on system

The Customer is responsible for:

- Register the Alarm System with, the local Authority Having Jurisdiction per Local Ordinance & Law.
- Provide immediate access to all areas of the premise as involved with, the installation of the Commercial Security Alarm System as listed and described.
- Provide a pole to mount the cameras and wireless bridge on for a direct line of site to the water tank ladder and the building where the NVR is located.
- Provide active power service including 110v outlet to be located near the POE switch.
- Customer to provide a **Static IP Address.**
- **All costs if, any to repair or replace existing CCTV Equipment and/or cable if, found by ADT to be damaged or otherwise not operational at time of installation.**
- The AHJ (Authority Having Jurisdiction) may review the system plans and approve installation and service. Any changes required by the AHJ shall be implemented at the Customer's expense

NOTE: No other equipment, materials, services nor labor is implied nor to be presumed by either, the Customer or ADT Security Solutions other than specifically listed and described in writing within the ADT Agreement and/or Agreement Rider as to be reviewed, signed & mutually approved by both, the Customer's Authorized Representative & ADT prior to installation & activation of service.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	8 Channel NVR 4K IP H.265 2TB with Advanced AI and Built in POE	518.16	$518.16
1	Digital Deterrent Audio Kit, Includes PVL15A,SPC15RP, SFR12 & PSW5	143.39	$143.39
2	AXIS P1455-LE Network Camera	511.66	$1,023.31
1	P3715-PLVE 2CH W/2MP 30FPS	939.02	$939.02
1	6-Port Gigabet PoE+Switch 1 SFP Port	115.38	$115.38
100	16/2 STR CM/CL2 5C BX GRY	0.99	$98.60
300	24/4 CAT5E CMP BX Blue 5C	0.42	$125.40
80	INDIRECT - CONDUIT EMT 1/2 inch per ft.	0.33	$26.56
		Sub Total Equipment Cost:	$2,989.82

Labor & Other Summary:

Description	Amount
Labor	$2,502.61
Sub Total Labor & Other Cost:	$2,502.61

Recurring Services:

Description	Amount
Service Plan	$32.36
Video	$75.00
Sub Total Monthly Charge:	$107.36

Summary of Charges for: Axis System Design	
Installation Price	**$5,492.43**
Total Installation Price*	**$5,492.43**
Total Monthly Recurring Services Charges*	**$107.36**
	*Plus applicable tax

Equipment and Investment Statement for: DMP xt50 Security System Design

Site Information: San Antonio Water Company, 139 Euclid Ave, UPLAND, CA 91786

Scope of Work:

ADT will provide and install the DMP alarm system to standardize all sites so the customer can use the same codes and app to arm / disarm and mange the systems.

We will replace that panel, keypad, and cell unit.

We will replace the hardwired motion and door contacts

we will replace the other 3 motions with wireless motions

the system will have the DMP virtual keypad app.

Site/ Schedule Contact:

Name-

Best Contact #-

Site Contact Authorized to Sign Job Completion/Closeout Acknowledgement Form:

Name-

Best Contact #-

Special Notes Regarding Reuse and Tie on Existing Devices and System Wiring: (only Applies if Applicable to Project)

-Should any of the existing system devices or wiring being reused and tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in operational or reusable condition , or have preexisting trouble conditions or does not test correctly, ADT/Protection One will provide repair/replacement quote to Customer on an per device basis.

Special Notes Regarding Extended Service Protection Plan of Existing Devices: (only Applies if Offered at time of Sale)

-Should any of the existing system devices being tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in good working order at time of installation, ADT will exclude coverage of non-working devices, unless said devices are replaced. (A 60 day grace period will effect coverage of the existing devices)

Special Notes Regarding equipment damaged by others. (like contractors, other trades and or the customer)

- Should any equipment installed or existing that is to be used per the agreement by ADT and the customer is found damaged before, during or after the completion of the installation will result in a change order to the customer to repair , replace or rewire.

Items to be provided by customer (Only If Applicable to Project)

- Rental Cost of Required High Reach Man Lift
- 110V Power at control and/or power supply location
- Open Port on customer's existing network router for Control Panel plugin (For systems Using IP Communication Only)
- Any required network drops at control location
- Adequate Wall/IT Rack Space for installation of ADT Installed Equipment
- Access to facility during normal business hours to perform system installation and required end user training
- Normal Business Hours are defined as Mon-Fri 8am-5pm Excluding National Holidays, Work performed outside normal business hours will require prior approval and will incur additional labor costs
- Access within the Facility to all areas installation work is to be performed
- Clear Work space for the safe placement of ladders to perform system installation work
- Clear Work space for the maneuvering of high reach lift if lift is required to perform installation work

- 25% Deposit of installation charge due prior to commencement of work
- Balance due at time of completion unless other arrangements agreed upon prior
- Satisfactory Business or Personal Credit History

Job Completion and Sign off Requirements:

- Customer Authorized user must be present at time of system completion to receive system training and to Sign Completion forms.
- In the event that the system installation is complete and an authorized User/Signer is not present, the system will be powered down and a return trip will be scheduled and an additional $95.00 return charge may be applied to the account.

Items required to be provided by customers IT department/personnel: (Only If Applicable to Project)

- Open Port on Network switch (For Systems Using IP Communicators only)
- Network Ports open/unlocked on router firewall (For Systems Using IP Communicators only)
- Any required network drops at control location

System Mobile Phone App General Perimeters: (Only If Applicable to Project)

- All User Devices to be loaded with Intrusion System Mobile App must be present during initial system and setup. A Tech Return Trip charge of $185.00 will apply to load software on devices not present during initial system setup
- All Device owners must posses Admin Rights on device to be loaded with software
- Intrusion System Mobile App Loaded onto 4 customer devices as part of initial scope of work. Additional Devices requested to be loaded subject to a $15.00 per device charge.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	Xt50 W/Dialer + Trfmr + Rj, Batt, Wireless Receiver & 2 Doors & 1 Pir, 7160-WADT ,Siren	390.10	$390.10
1	RELAY OUTPUT MODULE	25.02	$25.02
4	Wireless PIR Motion Detector	58.90	$235.62
		Sub Total Equipment Cost:	$650.74

Labor & Other Summary:

Description	Amount
Labor	$963.19
Sub Total Labor & Other Cost:	$963.19

Recurring Services:

Description	Amount
ESuite	$5.00
Monitoring	$20.00
Service Plan	$12.00
Signaling	$20.00
Sub Total Monthly Charge:	$57.00

Summary of Charges for: DMP xt50 Security System Design	
Installation Price	**$1,613.93**
Total Installation Price*	**$1,613.93**
Total Monthly Recurring Services Charges*	**$57.00**
	*Plus applicable tax

Equipment and Investment Statement for: Axis Camera System Design

Site Information: San Antonio Water Company, 139 Euclid Ave, UPLAND, CA 91786

Theory of Operation:

This camera system is on the same recorder as the other sites , but this one is not set up to report on live events like the other site. You will be able to view all cameras on the same platform or app.

NOTE the camera for the rear yard area is capable to have the software added to it later if you do want that area to be protected from trespass.

Scope of Work:

ADT will provide and install the following camera system to match the other 5 sites.

The NVR will replace the old Flair NVR. we will use the same cat5 cables to connect th new cameras.

1 cameras will be the Axis camera for the rear outside yard.

2 will be a Speco 4MP camera to replace the current camera

3 will be the Speco 4MP will cover the side yard next to the street

4-6 will be 2MP cameras to replace the old cameras.

Site/ Schedule Contact:

Name-

Best Contact #-

Site Contact Authorized to Sign Job Completion/Closeout Acknowledgement Form:

Name-

Best Contact #-

Special Notes Regarding Reuse and Tie in of Existing Devices and System Wiring: (only Applies if Applicable to Project)

-Should any of the existing system devices or wiring being reused and tied into the New ADT System (IE Cameras, Switches, Cat5 or Coax Wiring ETC) be found not to be in operational or reusable condition , or have preexisting trouble conditions or does not test correctly, ADT will provide repair/replacement quote to Customer on an per device basis.

Special Notes Regarding Extended Service Protection Plan of Existing Devices: (only Applies if Offered at time of Sale)

-Should any of the existing system devices being tied into the New ADT (IE Cameras, Switches, Power supplies) ETC) be found not to be in good working order at time of installation, ADT will exclude coverage of non-working devices, unless said devices are replaced.

Items to be provided by customer

- LCD Monitor of desired size for local system viewing (1080P Res Recommended)
- LCD Monitor with HDMI Connection Recommended
- HDMI Cable of Proper Length to connect Monitor to HD DVR
- 110V Power at control and/or power supply location
- _1_ Static IP Address
- Open Port on customer's existing network router for DVR plugin
- Any required network drops at control location
- Adequate lighting for closed circuit cameras
- Adequate mounting space for cameras free of obstructions
- Clearing/trimming of any exterior landscaping required for proper Camera system functions.
- Adequate Counter/Wall/IT Rack Space for installation of ADT Installed Equipment
- Access to facility during normal business hours to perform system installation and required end user training
- Normal Business Hours are defined as Mon-Fri 8am-5pm Excluding National Holidays. Work performed outside normal business hours will require prior approval and will incur additional labor costs
- Access within the Facility to all areas installation work is to be performed
- Clear Work space for the safe placement of ladders to perform system installation work
- Clear Work space for the maneuvering of high reach lift if lift is required to perform installation work

- Adequate Network Up speed for proper CCTV system functions
- 3MBPS Up speed minimum, 5MBPS or above recommended
- 25% Deposit of installation charge due prior to commencement of work
- Balance due at time of completion unless other arrangements agreed upon prior

Job Completion and Sign off Requirements:

- Customer Authorized user must be present at time of system completion to receive system training and to Sign Completion forms.
- In the event that the system installation is complete and an authorized User/Signer is not present, the system will be powered down and a return trip will be scheduled and an additional $95.00 return charge may be applied to the account.

Items required to be provided by customers IT department/personnel:

- Open Port on Network switch
- Required Network Ports open/unlocked on router firewall
- Public Static IP Address-for offsite system viewing and video retrieval
- Network up speed of 3MBPS

Remote Viewing Software General Perimeters:

- All User Devices to be loaded with remote viewing software must be present during initial system and setup. A Tech Return Trip charge of $185.00 will apply to load software on devices not present during initial system setup

- All Device owners must posses Admin Rights on device to be loaded with software
- Remote Viewing Software Provided and Loaded onto 4 customer devices as part of initial scope of work. Additional Devices requested to be loaded subject to a $15.00 per device charge.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	AXIS P1455-LE Network Camera	526.83	$526.83
1	6-Port Gigabet PoE+Switch 1 SFP Port	118.80	$118.80
350	24/4 CAT5E CMP BX Blue 5C	0.37	$129.07
2	4MP H.265 IP Turret Camera IR WDR Adnanced Analytics 2.8mm Fixed lens Included Junc Box White	153.86	$307.73
1	8 Channel NVR 4K IP H.265 2TB with Advanced AI and Built in POE	472.47	$472.47
3	2MP H.265 IP TURRET Camera with IR, WDR, Basic Analytics 2.8 mm fixed lens included White Junc box	107.24	$321.71
		Sub Total Equipment Cost:	$1,876.61

Labor & Other Summary:

Description	Amount
Labor	$2,002.29
Sub Total Labor & Other Cost:	$2,002.29

Recurring Services:

Description	Amount
Service Plan	$20.12
Sub Total Monthly Charge:	$20.12

Summary of Charges for: Axis Camera System Design	
Installation Price	**$3,878.90**
Total Installation Price*	**$3,878.90**
Total Monthly Recurring Services Charges*	**$20.12**
	*Plus applicable tax

Equipment and Investment Statement for: DMP XT50 Security System Design

Site Information: San Antonio Water Company, 885 East 26th St, UPLAND, CA 91786

Theory of Operation:

Customer to arm disarm the system with the DMP app prior to entering the yard to disable the alarm and the cameras from reporting. the cameras will still record.

Scope of Work:

ADT to provide and install the following alarm system to protect the building as well as turn on and off the 3 cameras from reporting a person trespassing on the yard.

The panel keypad and siren will go in the shed. (This alarm system uses Cell communication for the alarm system only. The camera system requires customer provided internet)

We will install 2 contacts door and window and 1 motions off the panel

Site/ Schedule Contact:

Name-

Best Contact #-

Site Contact Authorized to Sign Job Completion/Closeout Acknowledgement Form:

Name-

Best Contact #-

Special Notes Regarding Reuse and Tie on Existing Devices and System Wiring: (only Applies if Applicable to Project)

-Should any of the existing system devices or wiring being reused and tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in operational or reusable condition , or have preexisting trouble conditions or does not test correctly, ADT/Protection One will provide repair/replacement quote to Customer on an per device basis.

Special Notes Regarding Extended Service Protection Plan of Existing Devices: (only Applies if Offered at time of Sale)

-Should any of the existing system devices being tied into the New ADT System (IE Motion Detectors, Door contacts, Glassbreak Detectors ETC) be found not to be in good working order at time of installation, ADT will exclude coverage of non-working devices, unless said devices are replaced. (A 60 day grace period will effect coverage of the existing devices)

Special Notes Regarding equipment damaged by others. (like contractors, other trades and or the customer)

- Should any equipment installed or existing that is to be used per the agreement by ADT and the customer is found damaged before, during or after the completion of the installation will result in a change order to the customer to repair , replace or rewire.

Items to be provided by customer (Only If Applicable to Project)

- 110V Power at control and/or power supply location
- Open Port on customer's existing network router for Control Panel plugin (For systems Using IP Communication Only)
- Any required network drops at control location
- Adequate Wall/IT Rack Space for installation of ADT Installed Equipment
- Access to facility during normal business hours to perform system installation and required end user training
- Normal Business Hours are defined as Mon-Fri 8am-5pm Excluding National Holidays, Work performed outside normal business hours will require prior approval and will incur additional labor costs
- Access within the Facility to all areas installation work is to be performed
- Clear Work space for the safe placement of ladders to perform system installation work
- Clear Work space for the maneuvering of high reach lift if lift is required to perform installation work

- 25% Deposit of installation charge due prior to commencement of work
- Balance due at time of completion unless other arrangements agreed upon prior
- Satisfactory Business or Personal Credit History

Job Completion and Sign off Requirements:

- Customer Authorized user must be present at time of system completion to receive system training and to Sign Completion forms.
- In the event that the system installation is complete and an authorized User/Signer is not present, the system will be powered down and a return trip will be scheduled and an additional $95.00 return charge may be applied to the account.

Items required to be provided by customers IT department/personnel: (Only If Applicable to Project)

- Open Port on Network switch (For Systems Using IP Communicators only)
- Network Ports open/unlocked on router firewall (For Systems Using IP Communicators only)
- Any required network drops at control location

System Mobile Phone App General Perimeters: (Only If Applicable to Project)

- All User Devices to be loaded with Intrusion System Mobile App must be present during initial system and setup. A Tech Return Trip charge of $185.00 will apply to load software on devices not present during initial system setup
- All Device owners must posses Admin Rights on device to be loaded with software
- Intrusion System Mobile App Loaded onto 4 customer devices as part of initial scope of work.

Additional Devices requested to be loaded subject to a $15.00 per device charge.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	RELAY OUTPUT MODULE	24.31	$24.31
1	Xt50 W/Dialer + Trfmr + Rj, Batt, Wireless Receiver & 2 Doors & 1 Pir, 7160-WADT ,Siren	378.95	$378.95

Sub Total Equipment Cost:	$403.26

Labor & Other Summary:

Description	Amount
Labor	$698.54

Sub Total Labor & Other Cost:	$698.54

Recurring Services:

Description	Amount
ESuite	$5.00
Monitoring	$20.00
Service Plan	$12.00
Signaling	$20.00

Sub Total Monthly Charge:	$57.00

Summary of Charges for: DMP XT50 Security System Design	
Installation Price	**$1,101.80**
Total Installation Price*	**$1,101.80**
Total Monthly Recurring Services Charges*	**$57.00**
	*Plus applicable tax

Equipment and Investment Statement for: Axis Camera System Design

Site Information: San Antonio Water Company, 885 East 26th St, UPLAND, CA 91786

Theory of Operation:

CCTV System

Theory of Operations:

To provide Video coverage of the customers property as per the design. This is with **Local Video Verification (not viewed by ADT**) with 2 Axis cameras. The Customer will view the cameras upon an activated camera, either through the camera Analytics or a burglar alarm activated device.

The customer will be able to view the cameras on the Speco phone app and will be able to speak to the trespasser with the speaker at the location and the phone app.

Scope of Work:

SOW:

Based on the site survey, ADT will do: (see attached design document)

- Install 3 Axis Cameras as per design document
- Install 1 Trendnet POE switch (to plug the cameras into first).
- Install 1 Speco NVR
- Install 1 Speco two way voice module and speaker
- The DMP control panel will work in conjunction with the NVR. One relay from the 860 module will be wired the Axis A9161 relay and ADT will program it to Arm and Disarm with the software.
- The customer will use the DMP App to Arm/Disarm the system.
- Connect to the Customers network. **Static IP address is needed.**
- Contact Evolon for the Licenses and Programming. **See attached instructions in Uploaded Documents.**
- Test and Program
- Train users on system

The Customer is responsible for:

- Register the Alarm System with, the local Authority Having Jurisdiction per Local Ordinance & Law.
- Provide immediate access to all areas of the premise as involved with, the installation of the Commercial Security Alarm System as listed and described.
- Provide a pole to mount the cameras and wireless bridge on for a direct line of site to the water tank ladder and the building where the NVR is located.
- Provide active power service including 110v outlet to be located near the POE switch. and at the POLE
- Customer to provide a **Static IP Address.**
- **All costs if, any to repair or replace existing CCTV Equipment and/or cable if, found by ADT to be damaged or otherwise not operational at time of installation.**
- The AHJ (Authority Having Jurisdiction) may review the system plans and approve installation and service. Any changes required by the AHJ shall be implemented at the Customer's expense

NOTE: No other equipment, materials, services nor labor is implied nor to be presumed by either, the Customer or ADT Security Solutions other than specifically listed and described in writing within the ADT Agreement and/or Agreement Rider as to be reviewed, signed & mutually approved by both, the Customer's Authorized Representative & ADT prior to installation & activation of service.

Equipment List:

Quantity	Description	Unit Amount	Extended Amount
1	Digital Deterrent Audio Kit, Includes PVL15A,SPC15RP, SFR12 & PSW5	143.41	$143.41
1	A9161 NETWORK I/O RELAY M	260.12	$260.12
1	P3807-PVE Dome Network Camera Panoramic camera for seamless, 180 coverage	1409.22	$1,409.22
2	AXIS P1455-LE Network Camera	511.72	$1,023.44
1	Small Nema 4X Enclsure W/ Indus	842.22	$842.22
1	Wireless 5Ghz Gigabit High Throughput Eth Syskit	2535.18	$2,535.18
1	Network Switch Unmanaged 8 Ports 10-100-1000	35.88	$35.88
100	24/4 CAT5E CMP BX Blue 5C	1.25	$125.40
100	24/ 4 PR SOL CAT5E WATER RES 5C	1.09	$109.40
100	16/2 STR CM/CL2 5C BX GRY	0.99	$98.70
1	8 Channel NVR 4K IP H.265 2TB with Advanced AI and Built in POE	518.16	$518.16

Sub Total Equipment Cost:	$7,101.13

Labor & Other Summary:

Description	Amount
outdoor lift	$785.71
Labor	$2,934.50

Sub Total Labor & Other Cost:	$3,720.21

Recurring Services:

Description	Amount
Service Plan	$77.75
Video	$75.00

Sub Total Monthly Charge:	$152.75

Summary of Charges for: Axis Camera System Design	
Installation Price	**$10,821.34**
Total Installation Price*	**$10,821.34**
Total Monthly Recurring Services Charges*	**$152.75**
	*Plus applicable tax

Investment Summary (Non-Leased)

Summary of Charges for: DMP XT50 Security Alarm System Design

Installation Price	**$1,999.33**
Estimated Install Taxes	**$64.06**
Total Installation Price*	**$2,063.39**
Total Monthly Recurring Services Charges*	**$57.00**

*Plus applicable tax

Summary of Charges for: AXIS Camera System Design

Installation Price	**$3,897.85**
Total Installation Price*	**$3,897.85**
Total Monthly Recurring Services Charges*	**$71.70**

*Plus applicable tax

Summary of Charges for: DMP XT50 Security System Design

Installation Price	**$1,702.30**
Total Installation Price*	**$1,702.30**
Total Monthly Recurring Services Charges*	**$57.00**

*Plus applicable tax

Summary of Charges for: Axis camera System Design

Installation Price	**$3,960.36**
Total Installation Price*	**$3,960.36**
Total Monthly Recurring Services Charges*	**$70.61**

*Plus applicable tax

Summary of Charges for: DMP XT50 System Design

Installation Price	**$1,424.07**
Total Installation Price*	**$1,424.07**
Total Monthly Recurring Services Charges*	**$57.00**

*Plus applicable tax

Summary of Charges for: Axis System Design

Installation Price	**$5,492.43**
Total Installation Price*	**$5,492.43**
Total Monthly Recurring Services Charges*	**$107.36**

*Plus applicable tax

Summary of Charges for: DMP xt50 Security System Design

Installation Price	**$1,613.93**
Total Installation Price*	**$1,613.93**
Total Monthly Recurring Services Charges*	**$57.00**

*Plus applicable tax

Summary of Charges for: Axis Camera System Design

Installation Price	**$3,878.90**
Total Installation Price*	**$3,878.90**
Total Monthly Recurring Services Charges*	**$20.12**

*Plus applicable tax

Summary of Charges for: DMP XT50 Security System Design

Installation Price	**$1,101.80**
Total Installation Price*	**$1,101.80**
Total Monthly Recurring Services Charges*	**$57.00**

*Plus applicable tax

Summary of Charges for: Axis Camera System Design

Installation Price	**$10,821.34**
Total Installation Price*	**$10,821.34**
Total Monthly Recurring Services Charges*	**$152.75**

*Plus applicable tax

Total Non-Leased Proposal Option

Installation Price	**$35,892.31**
Estimated Install Taxes	**$64.06**
Total Installation Price*	**$35,956.37**
Total Monthly Recurring Services Charges*	**$707.54**

*Plus applicable tax

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A simple security audit can determine if there are gaps in your current protection and help you manage those risks with a system designed to accommodate your specific needs.

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Customers are Our True North
Our reputation is based on how we serve our customers.

Our People are the Difference
We strive to be the best technically-trained team in the business.

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March 8th 2021

San Antonio Water Company
139 North Euclid Ave
Upland Ca 91786
Attn: Chad

Per our site visits and discussion, the following proposals are to install an alarm system and video verification system. The concept of the videofied system you now have I agree with conceptually.

Key points:
1-The older system will need to be upgraded due to the cellular communication now, which is 3G or 4G, both will need to be changed to 5G next year.
2-Presently the alarm portion and videofied portion are the same system. I believe two separate systems should be used. When you do not want the videofied on during the day I think the alarm should still be on, or at least have the capability to do one or the other or both.
3-An App for the alarm and for the videofied should be used and each could be turned on or off at any time from a smart phone.

Downtown Yard 172 South 1st Street Upland Ca 91786
Alarm System:
1-DSC Alarm control panel with Alpha keypad
1-Cellular 5G communicator with smart phone app/unlimited
1-Wireless receiver
*** Perimeter doors contacted on both buildings.
*** Interior motion sensors both buildings
1-Super siren in interior and 1 exterior blue strobe for alarm activation
1-All wire and connectors needed.
Programming and Installation
Total: $1,150.00/monitoring and service $55.00 monthly

Videofied motion viewers:
1-Videofied motion viewer controller with keypad and 5G communication
1-Videofied smart phone app/power supply
5-Videofied motion viewers and mounts
All panel and viewer batteries
Programming and Installation
Total: $2,955.00/monitoring and central station viewing $120.00 monthly

Reservoir #1 400 East 20th Street Upland Ca 91784

Alarm System:
1-DSC alarm panel with Alpha keypad
1-Cellular 5G communicator with smart phone app
1-Door 1 Roll up door contacted.
1-Motion sensor
Siren
Programming Installation

Total: $595.00/monitoring and service $55.00 monthly

Reservoir #1 400 East 20th Street upland Ca 91784

Videofied Motion Viewers
1-Videofied motion viewer controller with keypad and 5G communication
1-Videofied smart phone app/power supply
5-Videofied motion viewers
Same as above

Total: $2,955.00/monitoring and central station viewing $120.00 monthly

Mesa Station 2570 Mesa terrace Upland Ca 91784

Alarm System:
1-DSC alarm panel with Alpha Keypad
1-Cellular 5G communicator with smart phone app
1-Door and 1 roll up door contacted.
1-Motion sensor
Siren
Programming Installation

Total: $595.00/monitoring and service $55.00 monthly

Videofied Motion Viewers:
1-Videofied motion viewer controller with Keypad and 5G communication
2-Videofied motion viewers/additional antenna
1-Videofied smart phone app/power supply
Programming and Installation

Total: $2,085.00/monitoring and central station viewing $105.00 monthly

New Booster Station 885 East 26th Street Upland Ca 91784
Alarm System:
1-DSC alarm control panel and Keypad/exterior nema box for panel
1-Cellular 5G communicator with smart phone app
1-Wireless receiver
1-Gate contact
1-Exterior point to point to cover across main equipment
1-Siren and blue strobe
Program and Installation
Total: $1,470.00/monitoring and service $55.00 monthly

Videofied Motion Viewers:
1-Videofied motion viewer controller with keypad and 5G communication
3-Videofied motion viewers for the main equipment area
1-Videofied smart phone app/power supply
Programming and Installation
Total: $2,340.00/monitoring and central station viewing $110.00 monthly

Yours for better security

Michael P O'Neill

Agenda Item No. 6C

Item Title: Paloma Curve Hydraulic Break

Purpose:
To discuss current condition and available options available for modernizing the Paloma Curve Hydraulic Break.

Issues:
Should the Company consider modernizing the Paloma Curve Hydraulic Break?

Manager's Recommendation:
None currently.

Background:

The Paloma Curve Hydraulic Break consists of a hydrogenator plant owned by the City of Upland (attachment 1) and a concrete Hydraulic Break owned by the Company (attachment 2). The facility is designed to convert hydraulic energy into electrical energy and remove any remaining hydraulic energy prior to discharge at the Company's Reservoir Number Four. Irrigation water is transported from the Company's Forebay facility into a 22" steel pipeline, through the Paloma Hydraulic Break for delivery to Reservoir Number Four. The elevation drop from the Forebay to the Paloma Hydraulic Break is about 290 feet (126 psi) (attachment 3). Very rough calculations indicate that water flows through the 3,000 foot long pipe at about 7.5 miles per hour (11 feet per second) (attachment 4)

The Paloma Hydraulic Break is located at the corner of Paloma Curve and Park Boulevard. Years ago, the Company owned the property. The property was sold but a perpetual easement was retained for Company/City facilities.

During periods of high-water flow (sustained average-or-higher rainfall events) the amount of water flowing through the facility can create significant low frequency vibrations. These events occur only periodically (once every couple of years). The current owner, Mr. Goodman, has requested, through his lawyer, that the Company eliminate the noise and abandon the facility (attachment 5). Staff and legal counsel researched the issue and are confident that there is no legal justification for Mr. Goodman's complaint. Preexisting conditions and prior ownership limit Mr. Goodman's legal threats. Staff responded accordingly (attachment 6).

Regardless of the legal threat, staff did fulfill its promise of researching options to fix the perceived problem. Unfortunately, low frequency noise is the hardest to dampen and significant (expensive) sound proofing would not be completely effective. If the Company desires to keep the current facility 'as-is', staff would recommend replacement of the metal upper portion of the vault with a concrete cover. This would dampen, but not eliminate, the low frequency water rumble.

To staff's knowledge the City's hydroelectric generator building has not been used in years.

Previous Action:
None

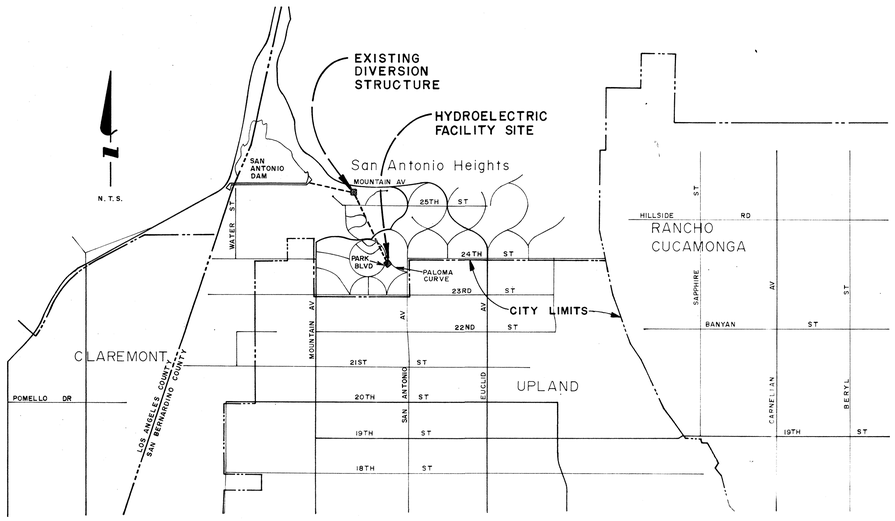
Impact on Budget:
None

Return to Item 6C

CITY OF UPLAND
WATER DEPARTMENT

CONTRACT DRAWINGS
FOR

CONSTRUCTION OF HYDROGENERATOR No.1



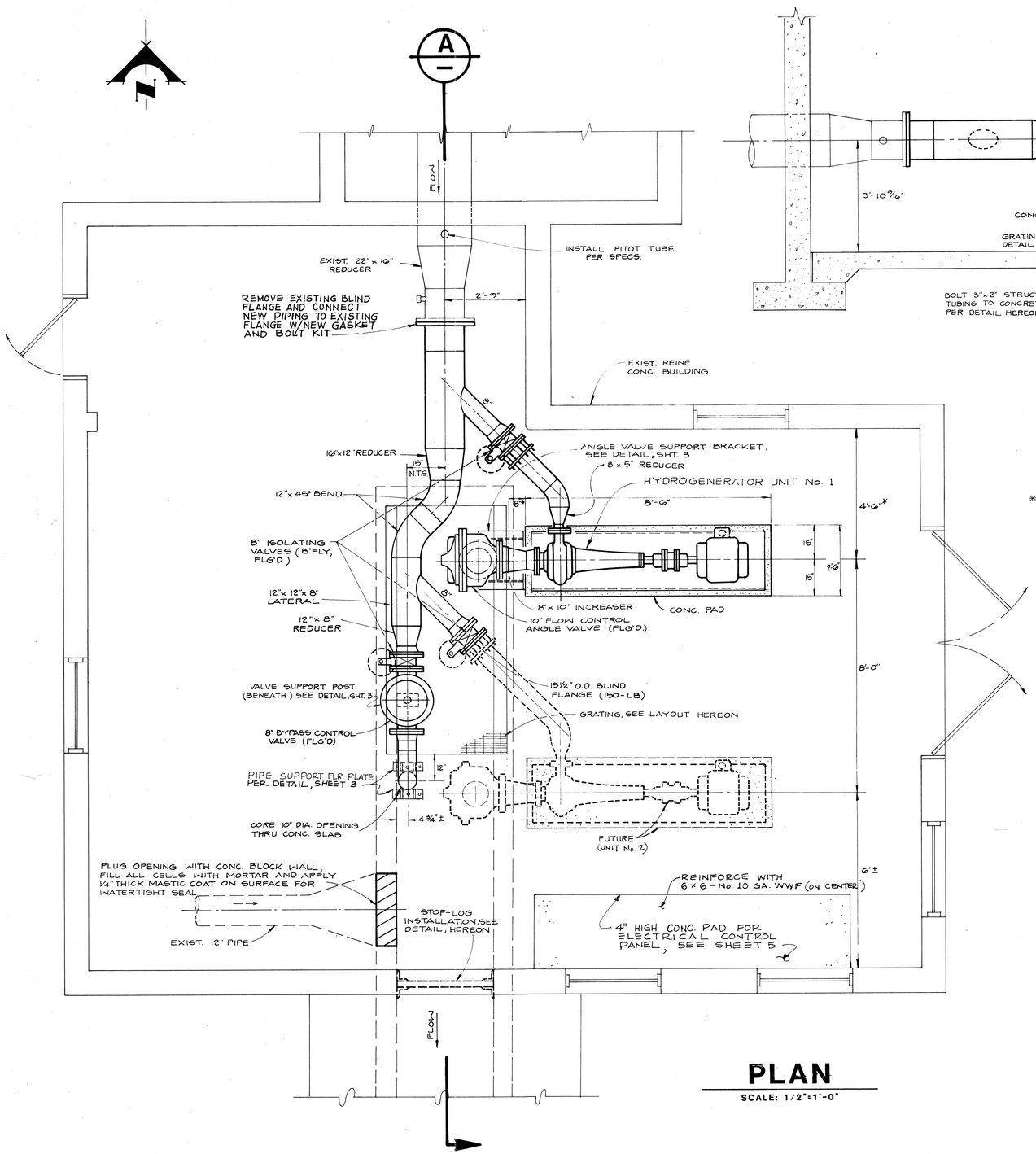
VICINITY MAP

PREPARED BY

JOHN EGAN and ASSOCIATES, INC.
CONSULTING ENGINEERS

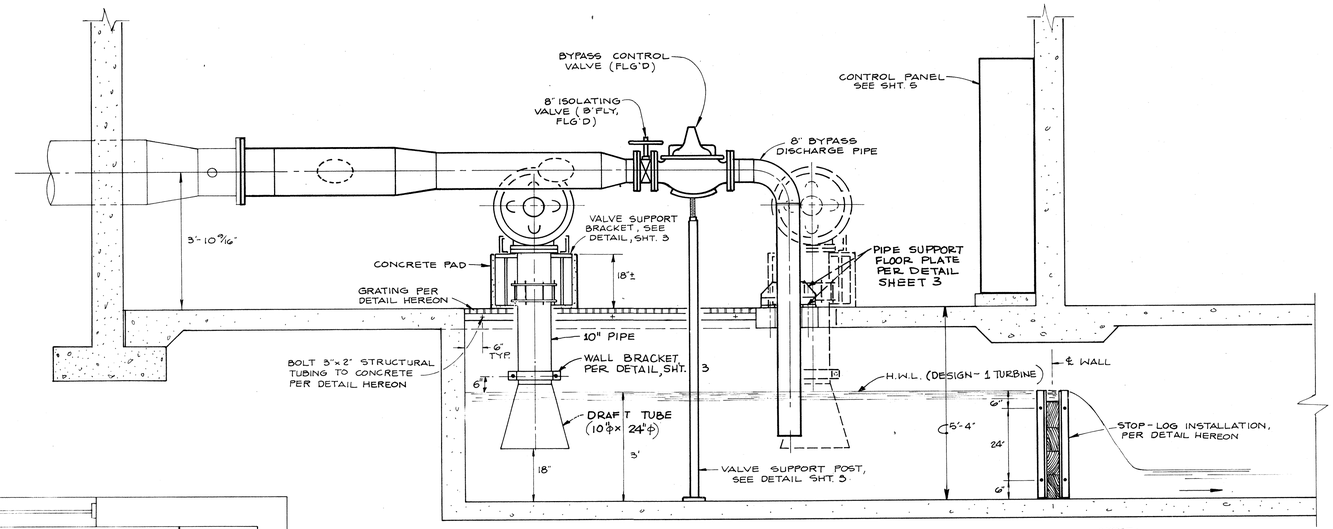
1983

SHEET 1



PLAN

SCALE: 1/2"=1'-0"



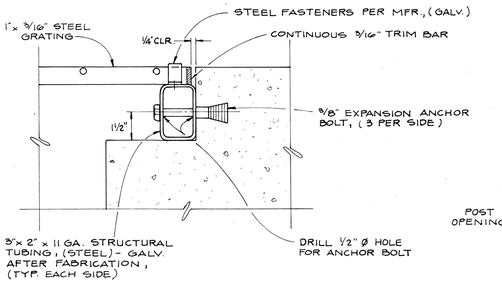
NOTE:
FIELD DETERMINE HEIGHT AND NUMBER OF STOP-LOGS REQUIRED

SECTION

SCALE : 1/2"=1'-0"

A

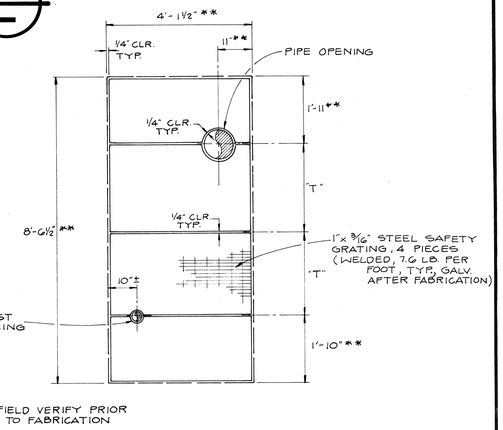
* FIELD DETERMINE THESE DIMENSIONS



SECTION

TYPICAL GRATING SUPPORT DETAIL

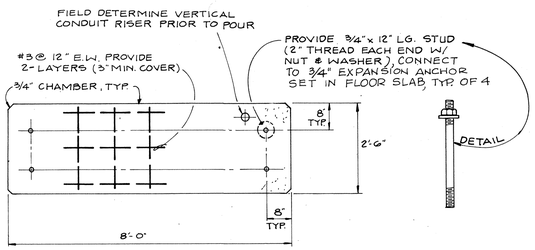
SCALE ½"= 1'-0"



** FIELD VERIFY PRIOR TO FABRICATION

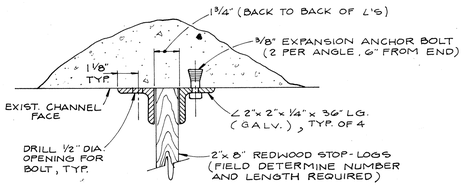
GRATING LAYOUT PLAN

SCALE ½"= 1'-0"



CONCRETE PAD DETAIL

(FOR HYDROGENERATOR)
SCALE ½"= 1'-0"



TYPICAL STOP - LOG DETAIL

SCALE 3"= 1'-0"

REV	DATE	BY	DESCRIPTION

SCALE: AS SHOWN

DRAWN: D.K. & E.F.
DESIGNED: A.B.I.
CHECKED: J.E.

SUBMITTED: John D Egan — JOHN EGAN — R.C.E. No. 14853 — 8-3-83 DATE

RECOMMENDED: R.C.E. No. — DATE

JOHN EGAN and ASSOCIATES INC.
CONSULTING ENGINEERS
366 ORANGE SHOW LANE, SAN BERNARDINO, CA. 92408
(714)889-0676 (714)825-1550

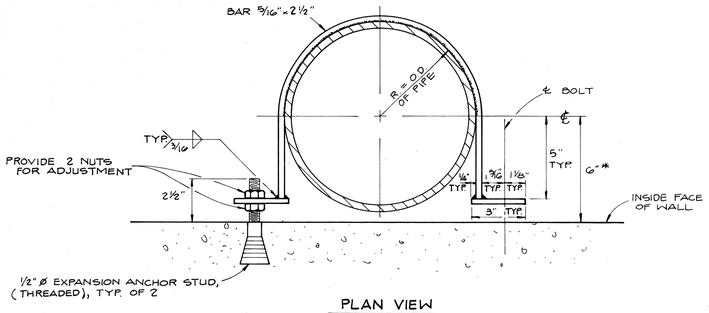
APPROVED: CITY OF UPLAND, WATER DEPT. DIRECTOR — DATE 8/9/83

APPROVED — DATE

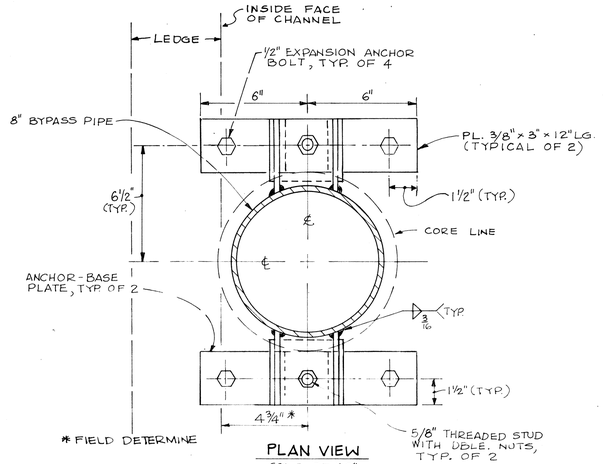
CITY OF UPLAND
WATER DEPARTMENT

HYDROGENERATOR UNIT NO. 1
INSTALLATION DETAILS

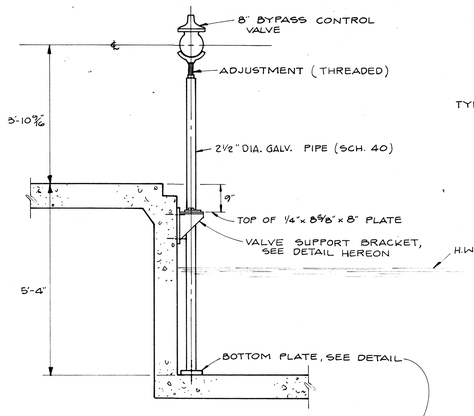
F6-659
SHEET 2 OF 5 SHEETS



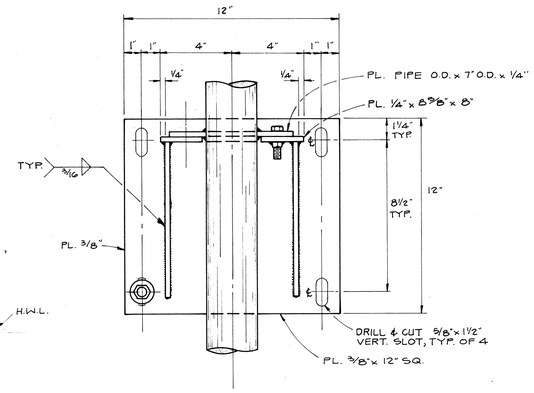
PLAN VIEW
SCALE 3"=1'-0"



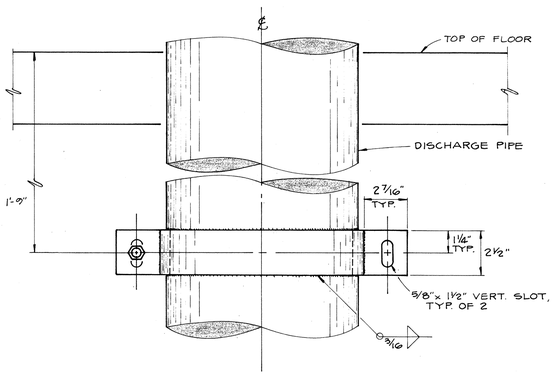
PLAN VIEW
SCALE 3"=1'-0"



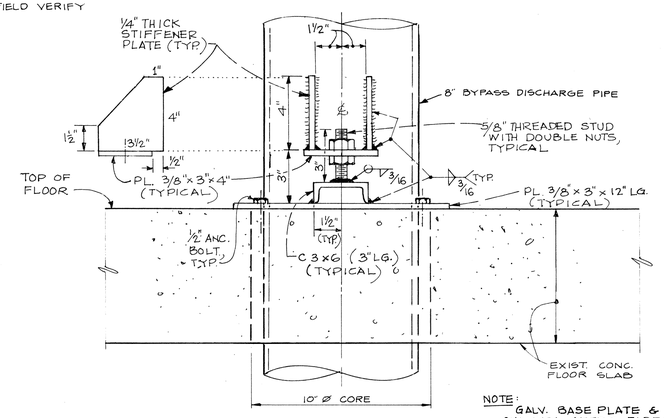
SIDE ELEVATION
SCALE 1/2"=1'-0"



FRONT VIEW
SCALE 3"=1'-0"



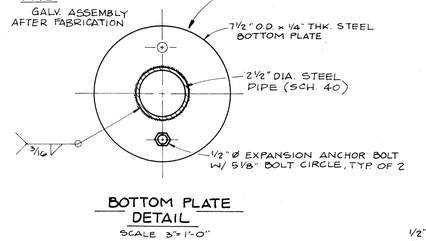
FRONT VIEW
SCALE 3"=1'-0"



NOTE:
GALV. BASE PLATE & CHANNEL AFTER FABRICATION, TYPICAL

ELEVATION
SCALE 3"=1'-0"

NOTE:
GALV. ASSEMBLY AFTER FABRICATION



BOTTOM PLATE DETAIL
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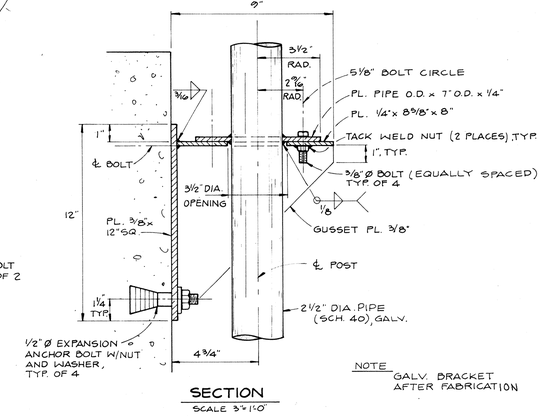
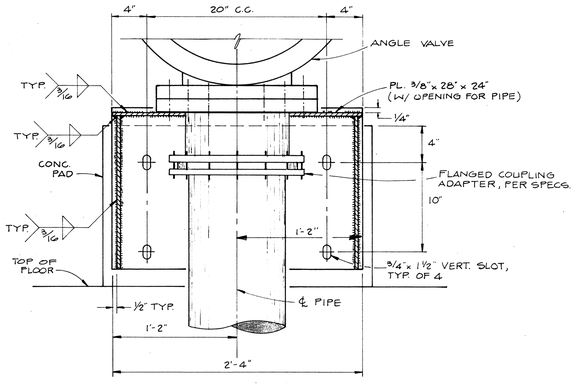


SECTION
SCALE 3"=1'-0"

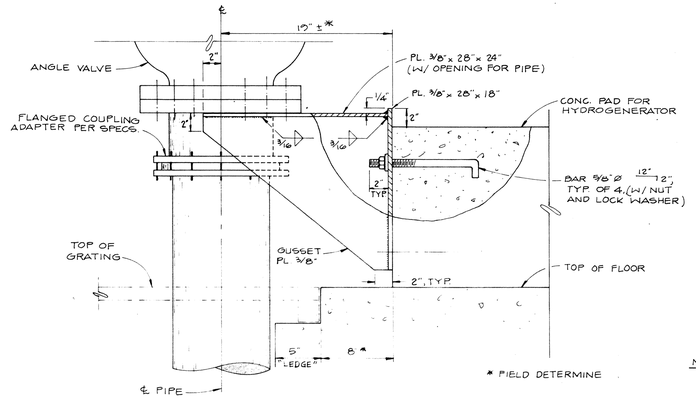
NOTE
GALV. BRACKET AFTER FABRICATION

PIPE SUPPORT - WALL BRACKET DETAILS



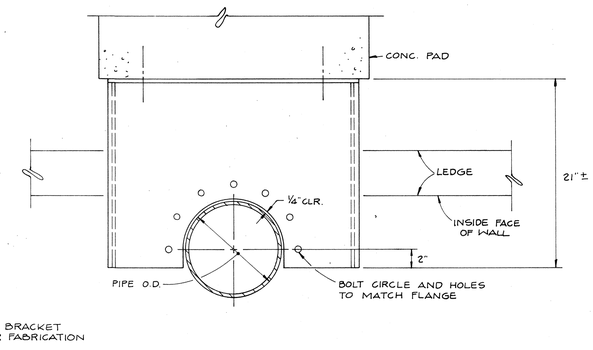
FRONT VIEW
SCALE 1 1/2"=1'-0"

PIPE SUPPORT - FLOOR PLATE DETAILS



SIDE VIEW
SCALE 1 1/2"=1'-0"

VALVE SUPPORT POST DETAILS



NOTE
GALV. BRACKET AFTER FABRICATION

PLAN VIEW
SCALE 1 1/2"=1'-0"

VALVE SUPPORT BRACKET DETAILS

REV	DATE	BY	DESCRIPTION

SCALE: AS SHOWN

DRAWN: E.F.
DESIGNED: A.B.I.
CHECKED: J.E.

SUBMITTED: John G. Egan — JOHN EGAN, R.C.E. No. 14853 — 8-3-83 DATE

RECOMMENDED: R.C.E. No. — DATE

JOHN EGAN and ASSOCIATES INC.
CONSULTING ENGINEERS
××× ORANGE SHOW LANE, SAN BERNARDINO, CA. 92408
(714)889-0676 (714)825-1550

APPROVED: CITY OF UPLAND, WATER DEPT. DIRECTOR — 8/9/83 DATE

APPROVED: DATE

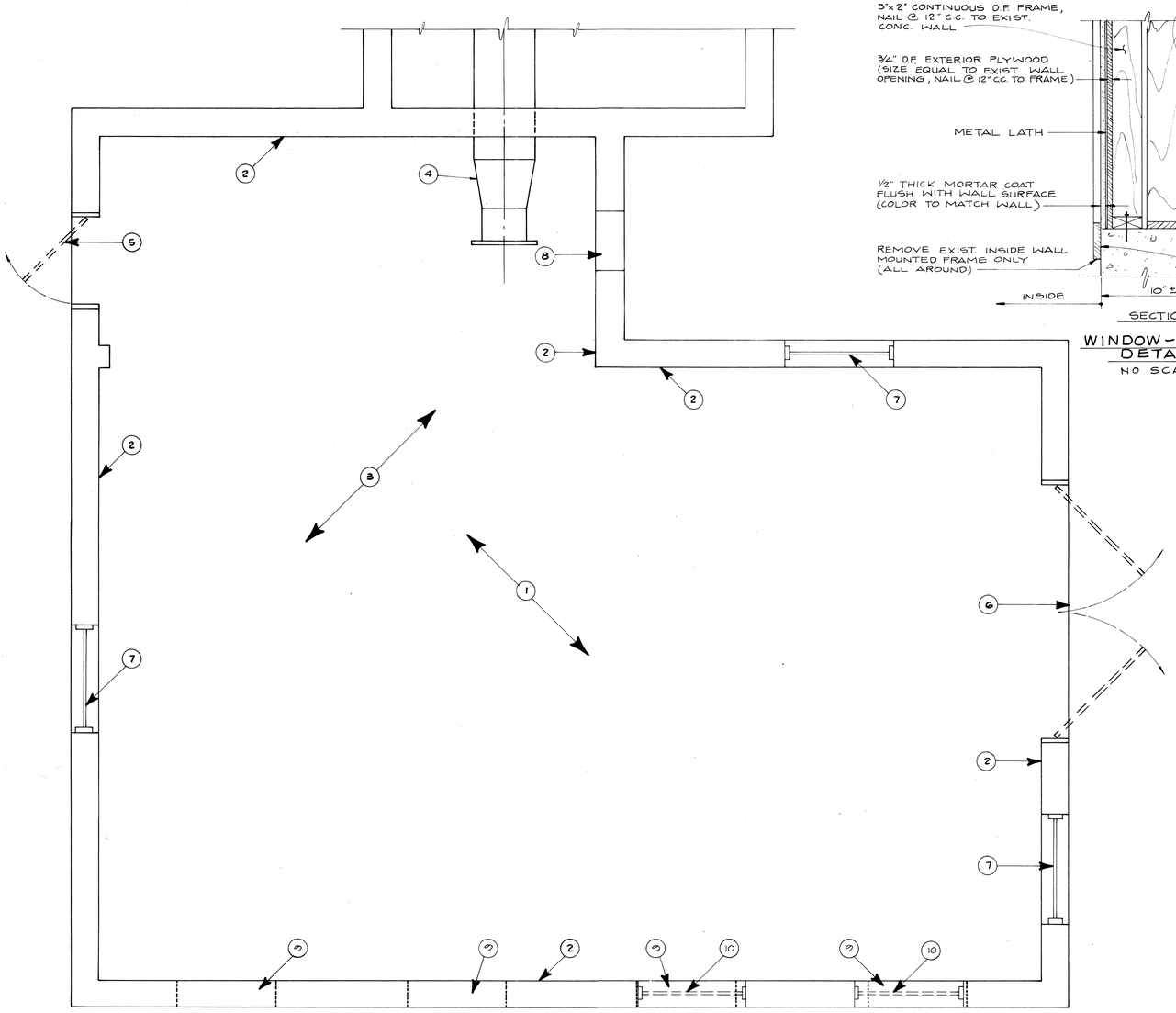
CITY OF UPLAND
WATER DEPARTMENT

HYDROGENERATOR UNIT NO. 1
METALWORK DETAILS

F6-659
SHEET 3 OF 5 SHEETS

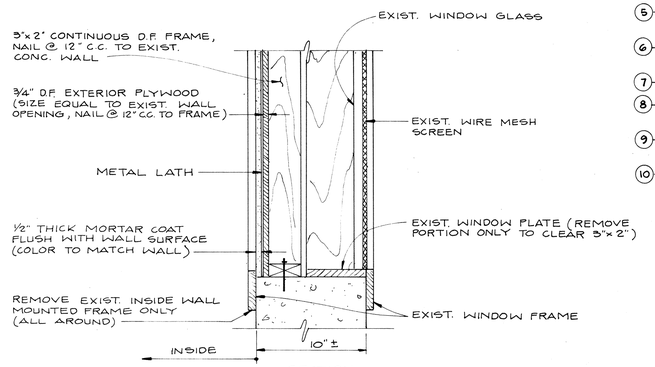
CONSTRUCTION NOTES

1. CLEAN, DEGREASE AND SEAL CONCRETE FLOOR
2. CLEAN, PATCH AND PAINT WALLS
3. CLEAN, PATCH AND PAINT CEILING
4. CLEAN AND PAINT PIPE
5. REMOVE OLD DOOR AND INSTALL NEW STEEL DOOR AND FRAME (TRIM CONCRETE AS REQUIRED FOR STANDARD DOOR INSTALLATION).
6. REMOVE OLD DOOR AND INSTALL NEW DOUBLE LEAF STEEL DOOR AND FRAME (TRIM CONCRETE AS REQUIRED FOR STANDARD DOOR INSTALLATION).
7. CLEAN, REPAIR AND PAINT EXISTING WINDOWS.
8. CLEAN OUT EXISTING OPENING AND INSTALL LOUVER SCREENED VENT PER TYPICAL DETAIL.
9. REPLACE EXISTING VENTS WITH NEW SCREENED LOUVER VENTS PER TYPICAL DETAIL.
10. BOARD-UP AND MORTAR COAT (FLUSH WITH WALL FACE) EXISTING INTERIOR FACE OF WINDOW OPENING PER DETAIL HEREON



EXISTING CONCRETE BUILDING - RENOVATION PLAN

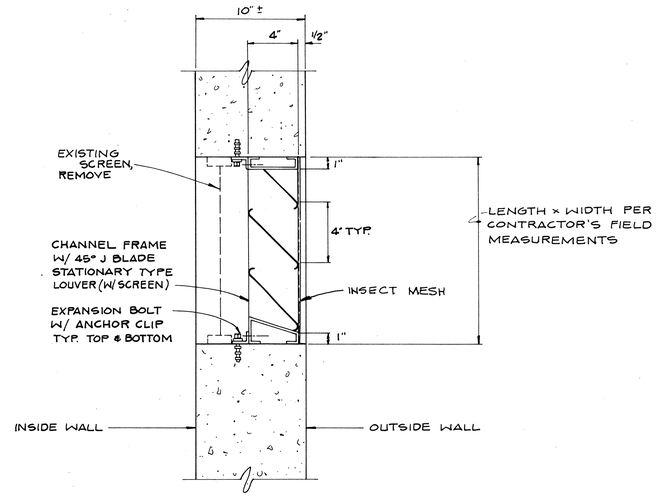
SCALE 1/2" = 1'-0"



SECTION

WINDOW-CLOSURE DETAIL

NO SCALE



TYPICAL VENT INSTALLATION DETAIL

NO SCALE

REV	DATE	BY	DESCRIPTION

SCALE: AS SHOWN

DRAWN: E.F.
DESIGNED: L.L., A.B.I.
CHECKED: J.E.

SUBMITTED: John D Egan, JOHN EGAN, R.C.E. No. 14853, DATE 8-3-83

RECOMMENDED: R.C.E. No., DATE

JOHN EGAN and ASSOCIATES INC.
CONSULTING ENGINEERS
366 ORANGE SHOW LANE, SAN BERNARDINO, CA. 92408
(714)889-0676 (714)825-1550

APPROVED: CITY OF UPLAND, WATER DEPT. DIRECTOR, DATE 8/9/83

APPROVED: DATE

CITY OF UPLAND
WATER DEPARTMENT

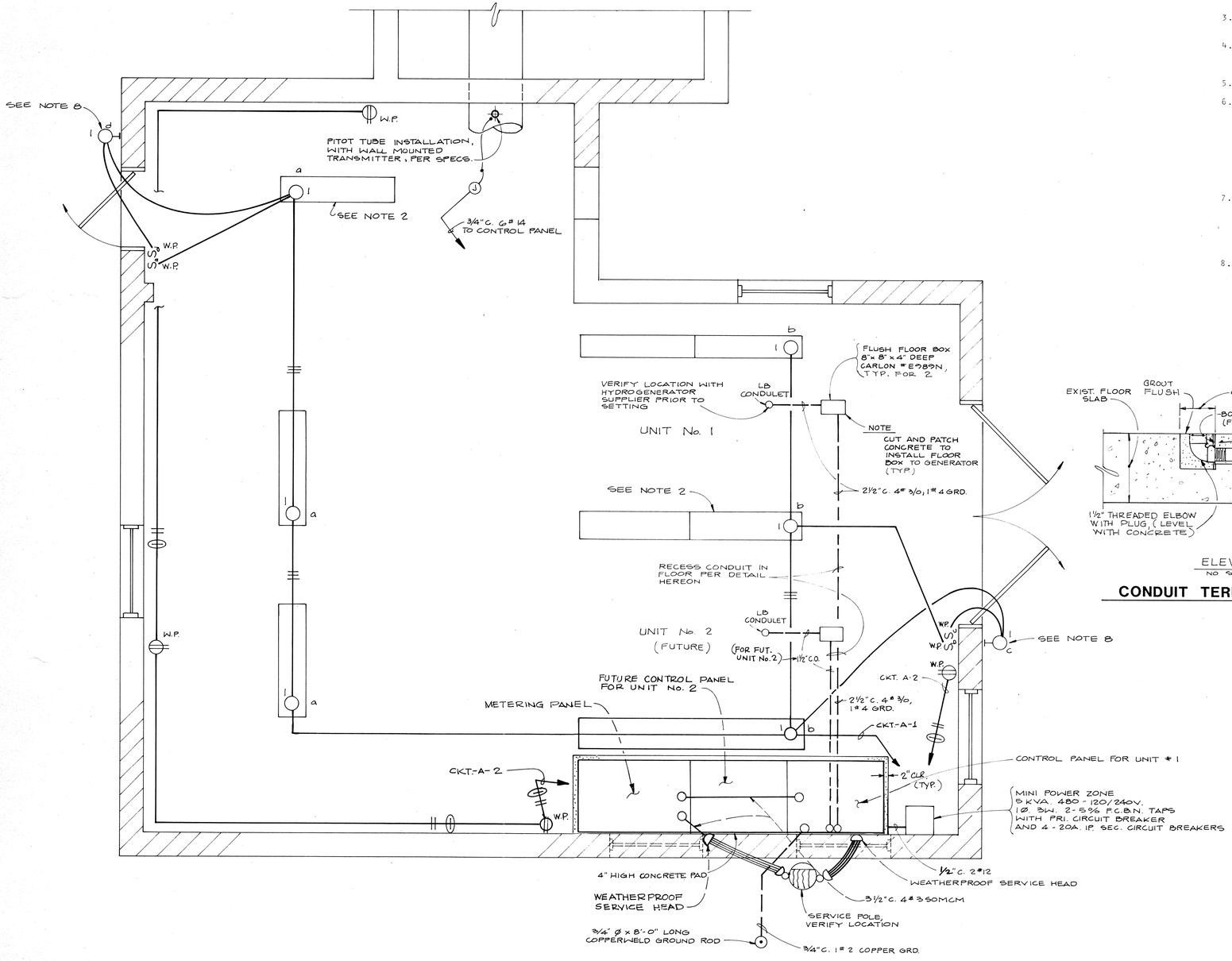
HYDROGENERATOR UNIT NO. 1
BUILDING RENOVATIONS

F6-659

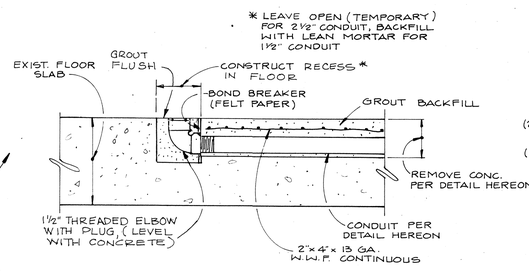
SHEET 4 OF 5 SHEETS

NOTES

1. ALL EXPOSED CONDUITS TO LIGHTS, RECEPS & PITOT TUBE ETC., SHALL BE RUN PARALLEL OR 90° TO WALLS & CEILINGS.
2. FLUORESCENT FIXTURES SHALL BE CHAIN HUNG FROM CEILINGS, SUITABLE FOR WET LOCATIONS, CLEAR ACRYLIC LENS, GASKETED. KEENE #SWC 240, 2 LAMP, FOUR FOOT OR KEENE #SWC 242, 4 LAMP, 2-FOUR FOOT UNITS IN TANDEM COMPLETE WITH RAPID START 40 WATT LAMPS. TYP. FOR 3-SINGLES AND 3-TANDEMS.
3. ALL CONDUCTORS SHALL BE COPPER, WITH TYPE THW OR THWN 600 VOLT, 75°C INSULATION.
4. RECEPTACLES SHALL BE 20A. 2P. 3W GROUNDING TYPE, IN W.P. ENCLOSURE, HUBBELL #52CM62, IN #60CM83 BOX, AND #52CM22 WEATHERPROOF COVER. MOUNT AT +48".
5. SWITCHES SHALL BE 20A. 120/277V.AC. WITH HYPALON PLATE HUBBELL #17CM81.
6. ALL ITEMS RELATED TO THE ELECTRICAL POWER SERVICE SUCH AS SERVICE CONDUIT, CONDUCTORS, DUCTS, SERVICE HEADS, RISERS, PULL BOXES AND PROTECTIVE COVERING FROM SERVICE POLE LOCATION SHALL BE PROVIDED AND/OR INSTALLED AND SHALL BE VERIFIED WITH SERVING UTILITY PRIOR TO SUBMISSION FOR THE BID. THE ACT OF SUBMITTING THE BID SHALL CONSTITUTE THE FULL RESPONSIBILITY OF THE CONTRACTOR TO INSTALL SERVICE IN COMPLIANCE WITH THE SERVING UTILITY AND ELECTRICAL ENGINEER AND TO PAY ALL CHARGES LEVIED BY THE SERVING UTILITY FOR THIS SERVICE, EXCEPTING FIRST BILLING PERIOD DEPOSIT.
7. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DO ALL CORING, CUTTING, PATCHING AND REFINISHING OF EXISTING FLOOR AND SURFACES WHEREVER IT IS NECESSARY FOR HIM TO PENETRATE FOR HIS WORK. ALL OPENINGS MADE SHALL BE SEALED TO MEET THE FIRE RATING OF THIS PARTICULAR WALL, FLOOR OR CEILING. COORDINATION WITH ENGINEER FOR APPROVAL IS NECESSARY PRIOR TO CUTTING INTO THE STRUCTURE.
8. INCANDESCENT BRACKET FIXTURE WITH 150W. LAMP HOLOPHANE #400, COMPLETE WITH SHOCK RESISTANT GLASS REFRACTOR AND CAST ALUMINUM GRID GUARD, TYP. FOR 2.

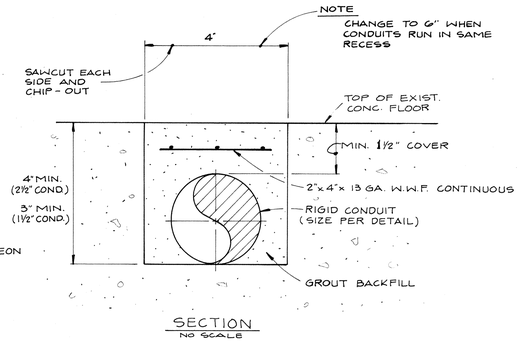


ELECTRICAL PLAN
NO SCALE



ELEVATION
NO SCALE

CONDUIT TERMINAL DETAIL



SECTION
NO SCALE

RECESSED CONDUIT DETAIL

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION
———	CONDUIT RUN, EXPOSED ON CEILING, WALLS OR UNDER FLOOR.
— — —	CONDUIT RUN, UNDERGROUND.
10	CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12AWG, 600V, CONTAINED THEREIN. TWO #12 ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN, NUMERAL SHOWN AT CROSS LINES INDICATES SIZE OF CONDUCTOR IN LIEU OF #12, CODE SIZE CONDUIT, CROSS LINE IN ELLIPSE IS GROUND #12AWG UNLESS NOTED OTHERWISE.
A-1,3	CONDUIT HOMERUN TO PANEL BOARD, LETTER AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
S_a^{K3}	SINGLE POLE SWITCH, LOWER CASE LETTER AT BOTTOM INDICATES OUTLETS CONTROLLED, LETTER AT TOP INDICATES TYPE, K=KEY CONTROLLED, P=PILOT LIGHT, 3=THREE WAY, 4=FOUR WAY.
3 ○ b	FLUORESCENT LIGHT FIXTURE OUTLET, NUMERAL INDICATES CIRCUIT NUMBER, LOWER CASE LETTER INDICATES CONTROLLING SWITCH.
O_c^2	BRACKET INCANDESCENT LIGHT FIXTURE OUTLET, NUMERAL INDICATES CIRCUIT NUMBER, LOWER CASE LETTER INDICATES CONTROLLING SWITCH.
⊖	DUPLEX GROUNDING TYPE RECEPTACLE.

REV	DATE	BY	DESCRIPTION

SCALE: AS SHOWN
DRAWN: E.F
DESIGNED: W.D
CHECKED: J.E.

SUBMITTED: W.A. DOBY, E.E. No. 5698, 8-3-83 DATE

RECOMMENDED: JOHN EGAN, R.C.E. No. 14853, 8-3-83 DATE

JOHN EGAN and ASSOCIATES INC.
CONSULTING ENGINEERS
366 ORANGE SHOW LANE, SAN BERNARDINO, CA. 92408
(714)889-0676 (714)825-1550

APPROVED: CITY OF UPLAND, WATER DEPT DIRECTOR, 8/9/83 DATE

APPROVED: DATE

CITY OF UPLAND
WATER DEPARTMENT
HYDROGENERATOR UNIT NO. 1
ELECTRICAL PLAN

F6-659
SHEET 5 OF 5 SHEETS

Return to Item 6C

2220 ft MSL
3,000 LF
22" dia. stl
126 psi
290 ft elevation
1930 ft MSL
North Mountain Avenue
North Euclid Avenue
Spring Terrace
Wildrose Lane
Primrose Lane
North Mountain Drive
Kilbourne Drive
Canyon Drive
Colony Drive
West 25th Street
Mesa Terrace
Ocean View Drive
25th Street
Forman Street
Piedmont Drive
San Antonio Park
24th Street
Glendale Road
Park Boulevard
Terrace Drive
West Sunset Curve
Rosedale Curve
Paloma Curve
Ravina Curve
Sierra Drive
San Antonio Crescent East
San Antonio Crescent West
Lamplighter Lane
Linda Lane
West 24th Street
North San Antonio Avenue
North Ukiah Way
Malaga Street
Citrus Street
Hickory Avenue
Chestnut Street
Palermo Avenue
Naples Avenue
Granada Street
Esri | Map data © OpenStreetMap contributors, Map layer by Esri
POWERED BY esri

Return to Item 6C

Input		
v	fps	11.00
L	ft	3,000
C	-	100
D	ft	1.00

7.5	mph

area	
0.79	ft2

diameter	
12	in

Head Loss		
hf	153	ft
hf	66	psi

Discharge		
h	137	ft
h	60	psi

Discharge		
h	9	cfs
h	3,878	gpm
h	5.58	MGD
h	17.14	AF/D

Horse Power (wet)	
HP	135
kW	100

KASSOUNI LAW

RECEIVED
MAY - 6 2019
San Antonio Water Company

May 3, 2019

Jeannette Vagnozzi
City Manager
City of Upland
460 N. Euclid Ave.
Upland, CA 91786-4732

Brian Lee
General Manager
San Antonio Water Company
139 North Euclid Avenue
Upland, CA 91786

Dear Ms. Vagnozzi and Mr. Lee:

This firm represents Jason Goodman, the owner of property located at 2351 Paloma Curve in the City of Upland. Mr. Goodman is also a share holder in the San Antonio Water Company. The purpose of this letter is to demand that the San Antonio Water Company and the City of Upland remove the obsolete hydroelectric plant located within an easement on Mr. Goodman's property, and all related above and below ground piping and structures. In short, the hydroelectric plant has been non-operational for years[1], and the flow of water through existing piping has created intolerable noise and vibrations which in turn have resulted in sleepless nights and emotional and physical distress. Portions of Mr. Goodman's home cannot be used because of the intolerable noise and vibrations, which is located a mere 65 feet from the site.

The intolerable noise and vibrations from the piping, often occurring 24 hours per day, subjects the San Antonio Water Company and the City of Upland to damages and injunctive relief under theories of public and private nuisance, and inverse condemnation. With respect to the latter, inverse condemnation, both SAWCO and the City are liable not only for damages but for attorney's fees as well under Code of Civil Procedure section 1036.

Recently, Mr. Goodman's property underwent a professional noise impact analysis by Steve Rogers Acoustics, LLC. Enclosed herein is a copy of that analysis. Among other things, the analysis concludes that "operation of the subject water facility exceeds the limits prescribed by the San Bernardino County Code" and is "deemed a public nuisance." Civil Code sections 3479 and 3480 proscribe conduct which interferes with the "comfortable enjoyment of life or property," and Civil Code section 731 provides for injunctive relief. Even if the nuisance is abated, Mr. Goodman is entitled to recover damages for its "past existence."

[1] We have documentation disclosing the City's successful application to the Federal Regulatory Commission for surrender of the hydroelectric facility, and its concession that it has been non-operational since 1988.

621 CAPITOL MALL, SUITE 2025
SACRAMENTO, CALIFORNIA 95814
TELEPHONE 916.930.0030
FACSIMILE 916.930.0033

With respect to inverse condemnation, case law is unambiguous: a continuing nuisance, such as that experienced by Mr. Goodman, is actionable as a taking under State and Federal Constitutional provisions. (See *Baker v. Burbank-Glendale-Pasadena Airport Authority* (1985) 39 Cal.3d 862.)

The purpose of this letter is to afford SAWCO and the City a reasonable opportunity to address matters and resolve the issue of abatement and damages without the need for initiation of formal legal proceedings. A response is requested within 15 days.

Thank you for your attention.

Sincerely,

Timothy V. Kassouni

Enclosure

Steve Rogers Acoustics

San Antonio Water Company Facility at 2351 Paloma Curve
Noise Impact Analysis

April 3, 2019

Prepared for:

Jason Goodman
2351 Paloma Curve
Upland, CA 91784

By:

Steve Rogers Acoustics, LLC

Steve Rogers
Principal

1. Executive Summary

Steve Rogers Acoustics, LLC has been retained to study the noise impact of a water facility located on part of the property at 2351 Paloma Curve, Upland, California - which is in an unincorporated area of San Bernardino County.

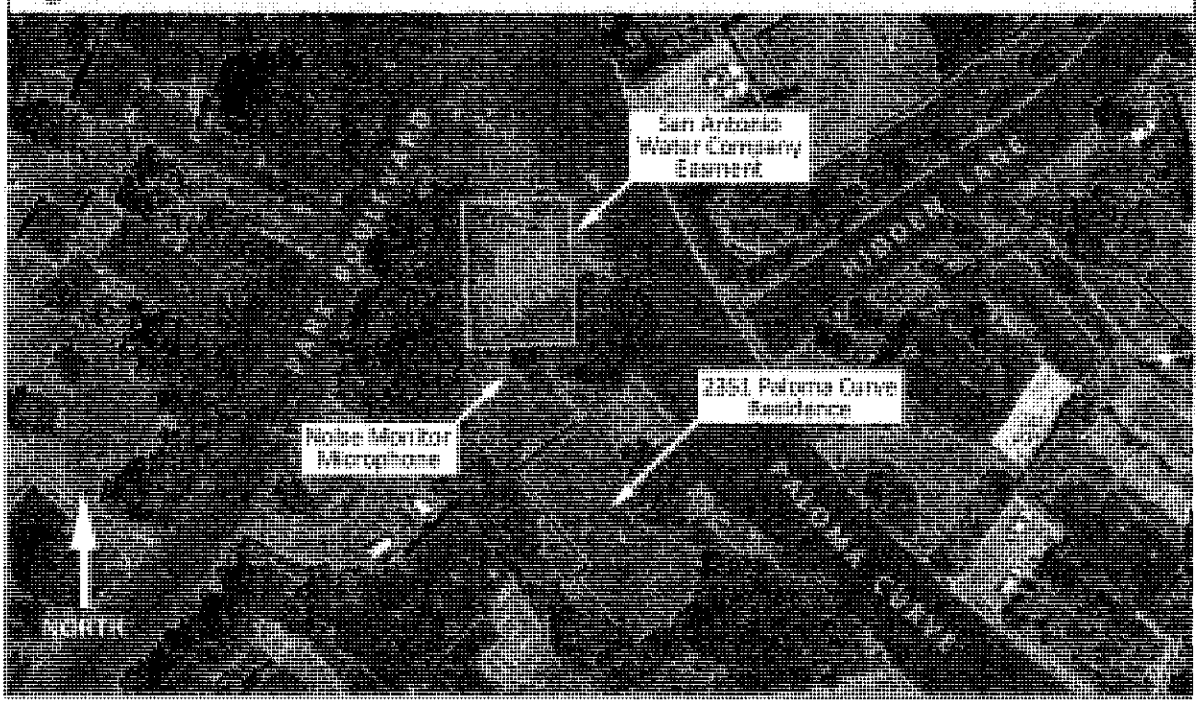
The facility is operated by the San Antonio Water Company under the terms of an exclusive easement. The remainder of the 2351 Paloma Curve property is a residential use, occupied by the property owner.

The conclusion of our noise impact analysis is that operation of the subject water facility results in a level of noise at the adjacent property that significantly exceeds the limits prescribed by the San Bernardino County Code. Operation of the water facility at 2351 Paloma Curve, Upland, California is therefore a clear violation of the County Code and deemed a public nuisance.

2. Environmental Setting

The San Antonio Water Company easement is located at the northern tip of the 2351 Paloma Curve property - as shown in Figure 1. Immediately to the south of the water facility is the side yard of the residential-use portion of the property.

Figure 1: Aerial View of Site



The studied site is in a generally very quiet suburban setting in the foothills of the San Bernardino Mountains. The 210 Freeway is 1-mile away, Mountain Avenue is 0.2-miles away and the surrounding streets are used for local access, with very light traffic. Ambient noise levels in the neighborhood are low.

3. Regulatory Setting - San Bernardino County Code

Noise control requirements for San Bernardino County are contained in Section 83.01.080 of the San Bernardino County Code of Ordinances (SBCC). Limits noise received on residential properties are summarized in Table 1.

Table 1: Summary of Exterior Noise Limits (for Residential Receivers) in the SBCC

Noise Limit Category		Daytime 7AM - 10PM	Nighttime 10PM - 7AM
A	Noise level which may not be exceeded for a cumulative period of more than **30 minutes** in any hour (L50)	55 dBA	45 dBA
B	Noise level which may not be exceeded for a cumulative period of more than **15 minutes** in any hour (L25)	60 dBA	50 dBA
C	Noise level which may not be exceeded for a cumulative period of more than **5 minutes** in any hour (L8.3)	65 dBA	55 dBA
D	Noise level which may not be exceeded for a cumulative period of more than **1 minute** in any hour (L1.7)	70 dBA	60 dBA
E	Noise level which may not be exceeded for **any period of time** (Lmax)	75 dBA	65 dBA

Source: Section 83.01.080 of the San Bernardino Code of Ordinances

An explanation of the acoustical terminology used in this report is provided in the Appendix A of this report.

4. Noise Monitoring

Noise levels were monitored at the north end of the residential portion of the 2351 Paloma Curve property (see Figure 1) for a continuous 24-hour period from March 27 - 28, 2019. The noise monitor microphone was mounted on a tripod, 5-feet above ground level, approximately 1-foot from the perimeter fence of the water facility easement. In addition to measuring and logging noise levels, the noise monitoring system was programmed to continuously record audio, to help with source identification later.

a) Instrumentation

The noise monitoring platform was a Bruel & Kjaer Type 2250 sound level meter (serial number 3008937), which meets the ANSI Standard S1.4 requirements for a Type 1 sound level meter. The measurement microphone was a Bruel & Kjaer Type 4189 (serial number 3004800). Copies of calibration certificates for the sound level meter and microphone are attached to this report as Appendix B. Calibration of the measurement system was checked immediately before the start of noise monitoring using a Bruel & Kjaer Type 4231 calibrator. The calibration was checked again on completion of the noise monitoring. There was no change in the noise level reading at 1,000 Hz between the two calibrations.

b) Results

Overall, A-weighted noise levels measured at the monitoring location are shown in the attached Graphs 1, 2 and 3.

Graphs 1 and 2 show Equivalent Noise Levels (Leq) measured over 1-minute sample periods. These graphs show some small variations in noise level from one minute to the next and also indicate sporadic, very short-duration events, such as a noisy vehicle passbys or aircraft flyovers.

Graph 3 presents the measured data as hourly "L50" noise levels. L50 is significant to this study because it is used in the San Bernardino County Code to define Noise Limit Category A, which is most applicable to steady-state noise sources such as the water facility at 2351 Paloma Curve.

Graph 3 shows that the measured L50 values are very consistent, varying by only a fraction of a decibel day and night. Minimum measured hourly L50 noise levels values are shown in Table 2.

Table 2: Minimum Measured Hourly L50 Noise Levels	
Daytime 7AM - 10PM	58.4 dBA
Nighttime 10PM - 7AM	58.5 dBA

Review of the audio recordings made by the noise monitor confirms that the dominant source of noise at the monitoring location is the adjacent water facility. Without doubt, the noise of the water facility controls L50 noise levels measured on the residential portion of the property, day and night.

c) Character of Noise Emissions from the Water Facility

Detailed analysis of the measured noise data confirms subjective impressions from our time on the 2351 Paloma Curve property, that the noise of the water facility includes strong low-frequency content - which we would characterize as "rumble".

The low-frequency sound is pervasive and apparent over much of the residential portion of the property - even inside the house, where it is very noticeable and subjectively disturbing.

Graph 4 shows the L50 frequency spectrum measured at the noise monitoring location during a typical hour (10AM has been selected for illustration). The portion of the red curve to the left of the graph represents the characteristic low-frequency rumble, which we suspect is the result of turbulent water flow through the San Antonio Water Company facility.

5. Noise Impact Evaluation

Table 2 compares minimum hourly L50 values measured adjacent to the water facility at 2351 Paloma Curve with the limits defined as "Noise Limit Category A" in the San Bernardino County Code.

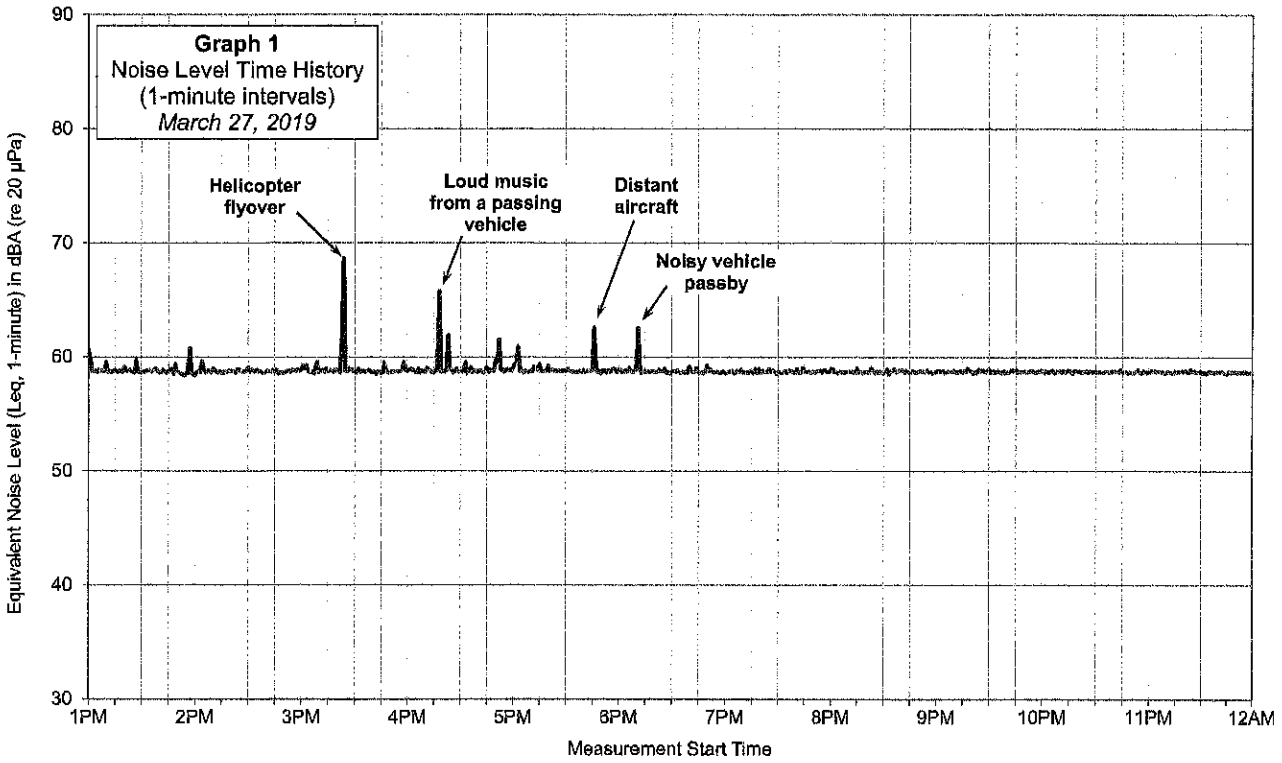
Table 2: Comparison of Water Facility Noise Levels with the Limits in the SBCC

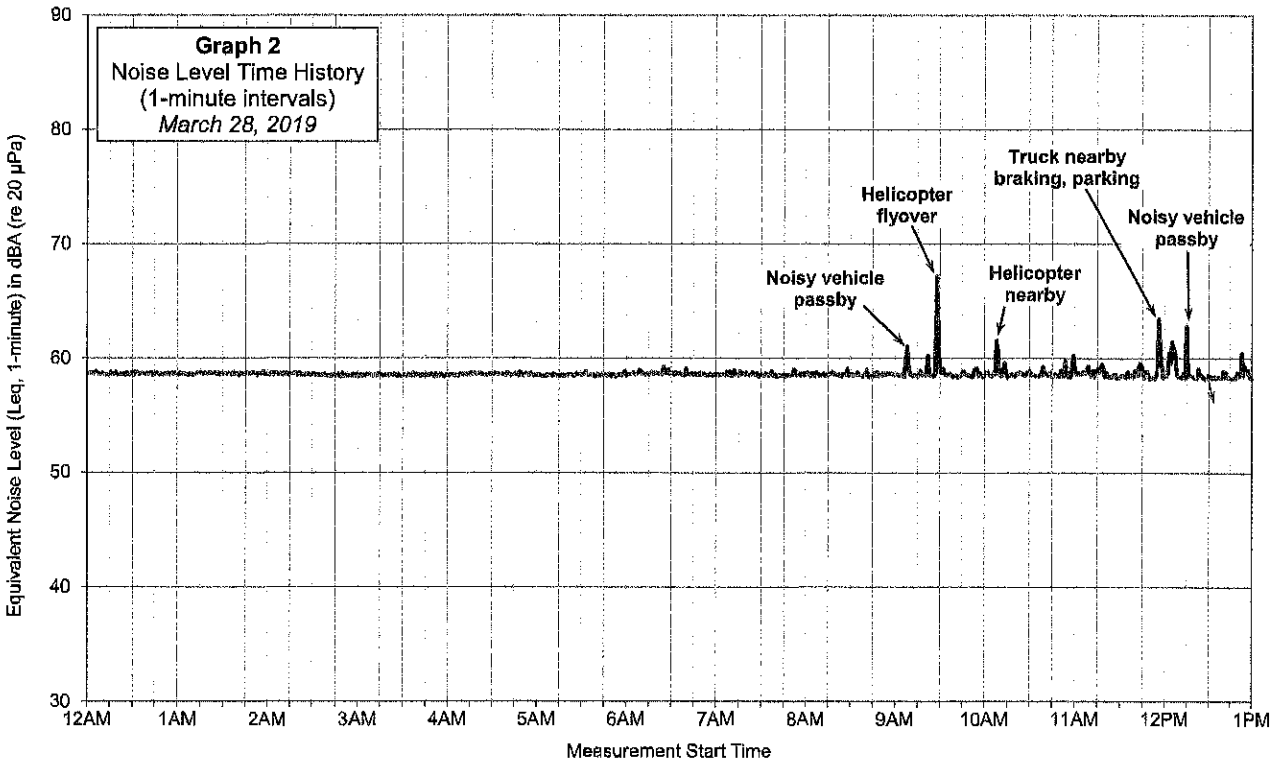
Time of Day	Minimum Measured Water Facility Noise Levels (L50, 1-hour)	SBCC Noise Limit (Category A)	Compliant?	Exceedence
7AM - 10PM	58.4 dBA	55 dBA	NO	3.4 dBA
10PM - 7AM	58.5 dBA	45 dBA	NO	13.5 dBA

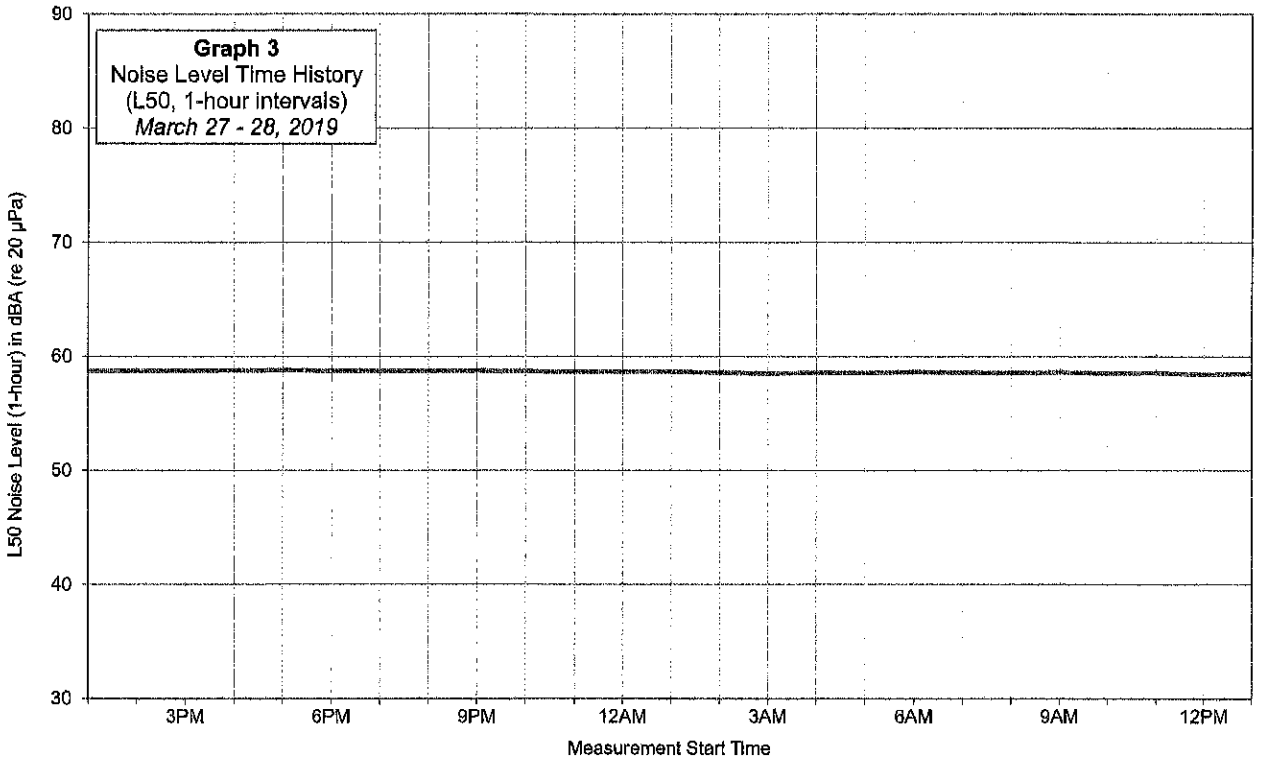
6. Conclusion

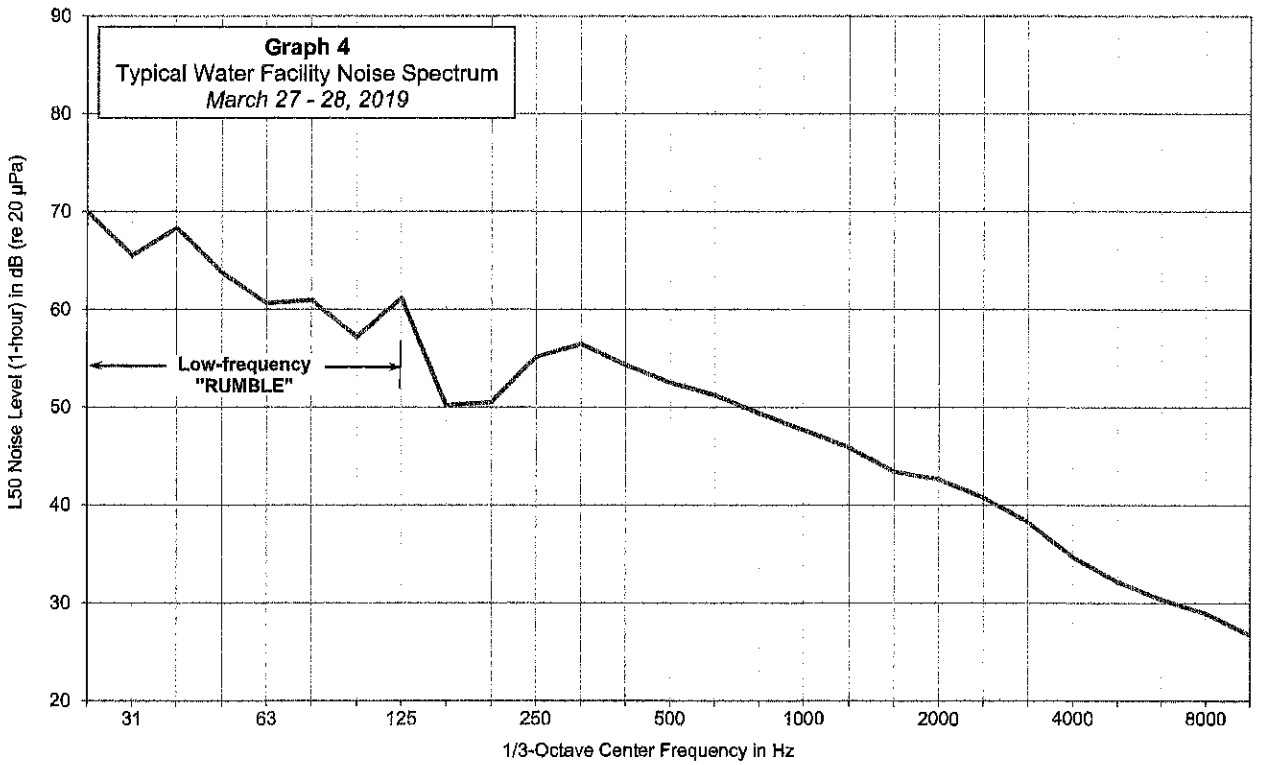
Noise data collected over a continuous 24-hour period by a noise monitoring system installed at 2351 Paloma Curve, Upland, California on March 27 - 28, 2019 proves that water facility operated by San Antonio Water Company on the property does not comply with the noise regulations in the San Bernardino County Code of Ordinances (SBCC).

Water facility noise was found to exceed Noise Limit Category A in the SBCC by as much as 13.5 dBA.


Graph 1
Noise Level Time History
(1-minute intervals)
March 27, 2019
Helicopter flyover
Loud music from a passing vehicle
Distant aircraft
Noisy vehicle passby
Equivalent Noise Level (Leq, 1-minute) in dBA (re 20 µPa)
90
80
70
60
50
40
30
1PM
2PM
3PM
4PM
5PM
6PM
7PM
8PM
9PM
10PM
11PM
12AM
Measurement Start Time


Graph 2
Noise Level Time History
(1-minute intervals)
March 28, 2019
Noisy vehicle passby
Helicopter flyover
Helicopter nearby
Truck nearby braking, parking
Noisy vehicle passby
Equivalent Noise Level (Leq, 1-minute) in dBA (re 20 µPa)
90
80
70
60
50
40
30
12AM
1AM
2AM
3AM
4AM
5AM
6AM
7AM
8AM
9AM
10AM
11AM
12PM
1PM
Measurement Start Time


Graph 3
Noise Level Time History
(L50, 1-hour intervals)
March 27 - 28, 2019
L50 Noise Level (1-hour) in dBA (re 20 µPa)
90
80
70
60
50
40
30
3PM
6PM
9PM
12AM
3AM
6AM
9AM
12PM
Measurement Start Time


Graph 4
Typical Water Facility Noise Spectrum
March 27 - 28, 2019
L50 Noise Level (1-hour) in dB (re 20 µPa)
90
80
70
60
50
40
30
20
Low-frequency
"RUMBLE"
31
63
125
250
500
1000
2000
4000
8000
1/3-Octave Center Frequency in Hz

APPENDIX A: Acoustical Terminology

dB	Human perception of loudness is logarithmic rather than linear. For this reason, sound level is usually measured on a logarithmic decibel (dB) scale. A change of 10 dB equates to a perceived as a doubling (or halving) of loudness, while a change of 3 dB is generally considered to be just perceptible.
dBA	A-weighting is the application of a frequency-weighted scale designed to reflect the response of the human auditory system, in which low frequencies are attenuated, while mid and high frequencies are emphasized. A-weighted sound levels are expressed as dBA.
LN	LN is a statistical descriptor for time-varying noise conditions and also to regulate noise from intermittent sources - such as air-conditioning units - that cycle on and off over time. For example, the L50 would be the noise level (over a stated measurement period) that is exceeded for 50% of the time. Another way to describe the L50 would be the noise level that is exceeded for a cumulative period of 30 minutes in any hour. Similarly, the L25 is the noise level exceeded 25% of the time - or 15 minutes in any hour - and so on. Noise Limit Categories A, B, C and D in Section 83.01.080 of the San Bernardino County Code of Ordinances are defined as LN values.
Leq	The Equivalent Noise Level (Leq) is an energy-average of noise levels over a stated period of time. Leq is the basic unit of environmental noise assessment in the United States.
Lmax	Lmax is the maximum level of noise during a defined measurement period. Noise Limit Category E in Section 83.01.080 of the San Bernardino County Code of Ordinances is defined as an Lmax value.

APPENDIX B: Calibration Certificates

CERTIFICATE OF CALIBRATION
24338-1
FOR BRÜEL & KJÆR
HANDHELD ANALYZER

Model **2250** Serial No. **3008937**
ID No. **N/A**

With Microphone **4189** Serial No. **3004800**
With Preamplifier **ZC0032** ID No. **23086**

Customer: **Steve Rogers Acoustics, LLC**
Los Angeles, CA 90064 P.O. No. **Verbal/Steve Rogers**

was tested and met Brüel & Kjær specifications at the points tested and as outlined in IEC 61672-3:2006 Class 1

on **27 SEP 2018** **BY** **HAROLD LYNCH**
Service Manager

As received and left condition: Within Specification.
Re-calibration due on: **27 SEP 2019**

Certified References*

Mfg.	Type	Serial No.	Cal Date	Due Date
B&K	1049	1288946	30 OCT 2017	30 OCT 2018
B&K	2636	1601487	16 MAY 2018	16 MAY 2019
B&K	4226	1774068	16 MAR 2018	16 MAR 2019
B&K	4231	2094472	16 FEB 2018	16 FEB 2019
HP	34401A	US36071531	12 JUN 2018	12 JUN 2019
HP	3458A	2823A17713	17 AUG 2018	17 AUG 2019

Performed in Compliance with ANSI, NCSL Z-540-1, 1994 and ISO 17025, ISO 9001:2015 Certification NQA No. 11252
*References are traceable to NIST (National Institute of Standards and Technology).

Note: For calibration data see enclosed pages.
The data represent both "as found" and "as left" conditions.

Reference Test Procedure: **ACCT Procedure 2250-Light-2270 Version 3.2.1.** *Rev. 1/29/14*

Temperature	Relative Humidity	Barometric Pressure
23°C	**45 %**	**986.98** hPa

Note: This calibration report shall not be reproduced, except in full, without written consent by Odin Metrology, Inc.

Signed:

ODIN METROLOGY, INC.
CALIBRATION OF BRÜEL & KJÆR INSTRUMENTS
3533 OLD CONEJO ROAD, SUITE 125 THOUSAND OAKS CA 91320
PHONE: (805) 375-0830 FAX: (805) 375-0405

Odin Metrology, Inc.
Calibration of Sound & Vibration Instruments

Certificate Number: **24338-2**

Certificate of Calibration for
Brüel & Kjær 1/2" Free-field Microphone

This calibration is performed by comparison with measurement reference standard microphone:

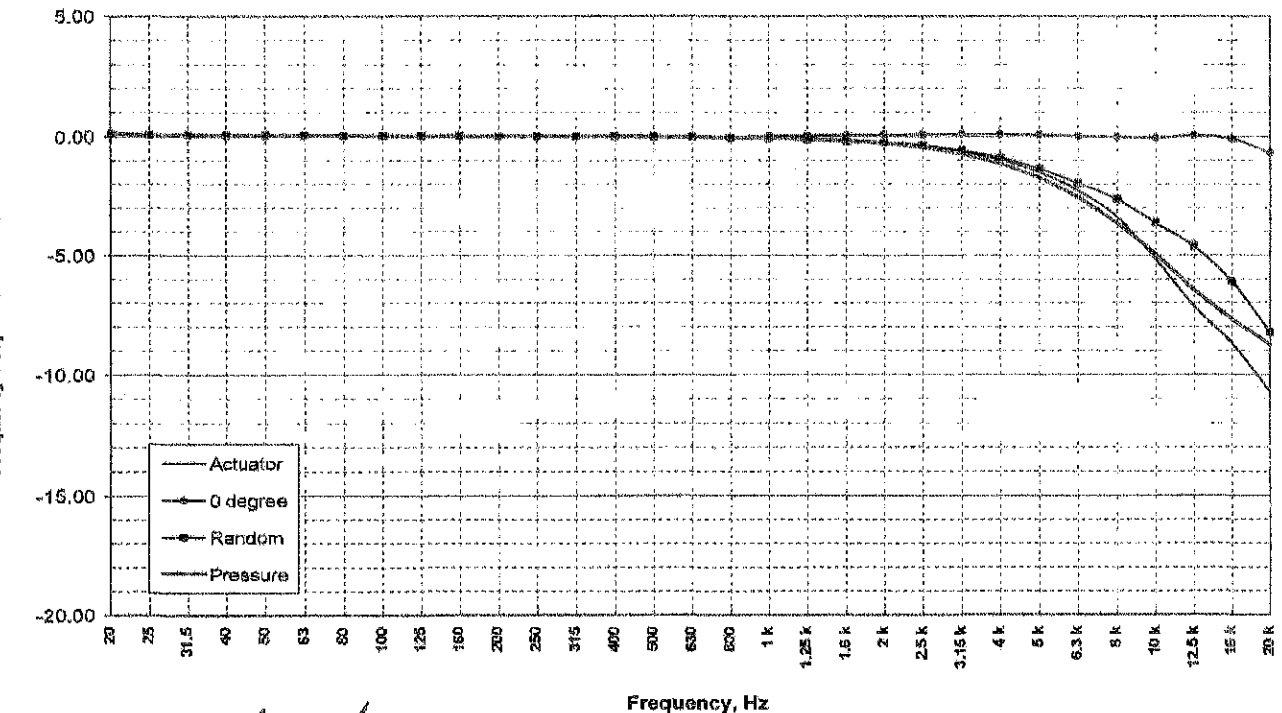
Reference Standards	
Type No.	4134/UA0825
Serial No.	1866524
Calibrated by	DANAK
Cal Date	09 OCT 2017
Due Date	09 OCT 2019

a) Estimated uncertainty of comparison: ± **0.06** dB
b) Estimated uncertainty of reference microphone: ± **0.04** dB
c) Total uncertainty: $\sqrt{a^2+b^2}$ = ± **0.07** dB
d) Expanded uncertainty (coverage factor k = 2 for 95% confidence level): = ± **0.14** dB

Type no.	**4189**
Serial no.	**3004800**
With preamplifier type no.	**N/A**
Preamplifier Serial no.	**N/A**
Submitted by	**Steve Rogers Acoustics, LLC Los Angeles, CA 90064**
Purchase order no.	**Verbal/Steve Rogers**
Asset no.	**N/A**

Performance Data		
Open circuit sensitivity at 1,013 hPa, 23°C, 50% RH, 251.2 Hz	-26.35	dB re 1 V/Pa
	48.15	mV/Pa
System sensitivity (with preamplifier) at 251.2 Hz	N/A	dB re 1 V/Pa
	N/A	mV/Pa

Microphone Frequency Response Type 4189
S/N 3004800 : Measured 27 Sep 2018



Calibration performed by

Harold Lynch, Service Manager

Condition of Test		
Ambient Pressure	986.98	hPa
Temperature	23	°C
Relative Humidity	45	%
Polarization Voltage	0	V
Frequency	251.2	Hz
Date of Calibration	27 SEP 2018	
Re-calibration due on	27 SEP 2019	

Odin Metrology, Inc.
3533 Old Conejo Road, Suite 125
Thousand Oaks, CA 91320
Phone: (805) 375-0830; Fax: (805) 375-0405

The calibration data is both "as found" and "as final." At the time of calibration this microphone was found to be **within** the manufacturer's specifications.
Calibration Procedure: **OM-P-1008-Microphone Rev. 1.2 20130618.**

This calibration is traceable to DANAK/DPLA No. **M2.10-1185-2.1** and through inter-laboratory comparisons to NIST Test Number: **TN-683/286992-15** for transfer standard **4160# 512338 24 JUN 2015.** *See page 2 Traceability.

Note: This calibration report shall not be reproduced, except in full, without written consent of Odin Metrology, Inc.

San Antonio Water Company

Incorporated October 25, 1882
Serving the original Ontario Colony lands

May 16, 2019

Mr. Timothy Kassouni
Kassouni Law
621 Capitol Mall, Suite 2025
Sacramento, CA 95814

Subject: 2351 Paloma Curve, Upland

Mr. Kassouni,

I have reviewed your letter dated May 3, 2019. I also understand that there were prior discussions with the previous General Manager regarding the subject property. It does not appear, in part by your letter, that those prior discussions resolved any issues.

As you know, the subject property was originally owned by the Company. We have utilized that property and the water works upon it continuously for decades. When the property was originally sold by the Company to a previous owner, an easement was established to the Company's benefit. That easement existed when Mr. Goodman purchased the property from its previous owner, and that easement remains today. The Company continues to exercise its rights to said easement. Because it is integral to the Company's operation, we have no intention of releasing those rights.

As a gesture of goodwill, the Company is willing to consider installing sound dampening devices on our facilities. I have initiated the research and design of sound dampening devices to determine if there is an effective solution to Mr. Goodman's complaint. If our review indicates a cost-efficient solution exists, we will move forward with installation. I trust that this would satisfy Mr. Goodman's concerns.

Additionally, the City of Upland and Company facilities are physically integrated to some degree. If the City decides to remove their facilities, proper coordination will be imperative to provide the Company's continued utilization of our facilities. We would be happy to assist in said coordination.

Sincerely,

Brian Lee,
General Manager

Cc: Rosemary Horning, City of Upland