

August 5, 2025

ADDENDUM NO. 1 TO THE CONTRACT DOCUMENTS

City of Lakewood Lakewood, California PW 2025-04 Drilling, Construction, Development, and Testing of Well 22B and Demolition of Well 22A

TO ALL PLAN HOLDERS

The following amendment is hereby made as part of the Contract Documents of the subject project as fully and completely as if the same were set forth therein. Addendum No. 1 consists of page AD1-1 through AD1-7 and its attachments.

SPECIFICATIONS:

1. General Provisions – Time of Completion (GP-2)

DELETE the following:

The Contractor shall complete all work in every detail within 150 Calendar Days after the date of Notice to Proceed.

REPLACE with:

The Contractor shall complete all work in every detail within 195 Calendar Days after the date of Notice to Proceed.

2. Special Provisions – 6-3

DELETE the following:

The Contractor shall also pay to the City \$500.00 for each occurrence of work in the through or turning lanes in violation of these specifications as solely determined by City.

3. Section 17 – Isolated Aquifer Zone Testing

ADD the following to 17.03 Material and Equipment:

M. Variable Frequency Drive

(1) The variable frequency drive shall be connected to the submersible pump during isolated aquifer zone testing while pumping.

4. Section 17 – Isolated Aquifer Zone Testing

DELETE the following:

E. Zone Pump and Sampling

(2) Once approved by the HYDROGELOGIST, the CONTRACTOR shall install a submersible pump to the appropriate depth for zone pumping. The proposed depth of the pump will be discussed with the HYDROGEOLOGIST prior to installation.

REPLACE with:

E. Zone Pump and Sampling

(2) Once approved by the HYDROGELOGIST, the CONTRACTOR shall install a submersible pump to the appropriate depth for zone pumping. The proposed depth of the pump will be discussed with the HYDROGEOLOGIST prior to installation. The CONTRACTOR shall operate flows with a variable frequency drive during zone pumping; the flow shall be determined by the HYDROGEOLOGIST after one hour of continuous pumping and shall remain constant for the remainder of pumping of that zone.

CONTRACTOR QUESTIONS/COMMENTS:

1. **Question:** Will the City allow a prime contractor holding an "A" license, who lists a drilling subcontractor holding a "C57" license to bid this project?

Answer: The Contract Documents only requires a C-57 license for Well Drilling and Class A for the demolition and civil work as necessary to perform the work.

2. **Question:** Is there a minimum self-performance percentage for prime contractors?

Answer: No, the Contract Documents only requires a C-57 license for Well Drilling and Class A for the demolition and civil work as necessary to perform the work.

3. **Question:** At the job walk, it was discussed that asphalt repair will not be necessary. Please confirm as the Special Provisions reference a lot of asphalt work and repair. Please specify if asphalt work could take place on this contract within the project site.

Answer: Any asphalt debris generated by the Contractor during this project shall be stockpiled, hauled, and legally disposed of. Damaged asphalt will not be required to be replaced; however, the site shall be level.



4. Question: Please provide column tube and shaft dimensions for pump in existing well.

Answer: See attached pump details.

5. Question: Please provide depth of pump.

Answer: See attached pump details.

6. **Question:** At the job walk a 4-inch water service was on site, will that be available for use?

Answer: Yes.

7. **Question:** If the onsite water service is not available, and the contractor is to use the location in the Plans located; would the City waive permit fees if an encroachment permit is required.

Answer: There will be no permit fees from the City of Lakewood.

8. **Question:** The existing well has an annular seal from ground surface to 385 feet below ground surface (bgs), can shot perforations only in the liner sections at 390 feet and below. Shot perforating subcontractor recommends no shot perforating shallower than 75 feet to prevent potential issues with charges affecting the nearby storage tank.

Answer: Agree on not performing shot perforations within the annular seal; however, it is dependent on Los Angeles County Department of Public Health Environmental Health Services issuing the well destruction permit.

9. **Question:** P.W. Gillibrand Company, Inc., states that RFS 5 (6x14) is only available in a glass bead blend, which is a significant price difference and lead time from regular gravel pack. Would TACNA or SRI be acceptable equals.

Answer: Confirmed with P.W. Gillibrand Company, Inc., RFS 5 is available without glass bead blend and shall be used for bidding purposes.

10. **Question:** Liquidated damages 6-3, states "the Contractor shall also pay to the City \$500.00 for each occurrence of work in the through or turning lanes in violation of these specifications as solely determined by the City. Please provide an example of when this would take place.

Answer: As noted on page AD1-2, this portion of section 6-3 of the Special Provisions, shall be deleted.



11. **Question:** The spec states a noise permit may be required, what is involved with a noise permit and would it cost anything to procure?

Answer: A noise permit is not required to be obtained.

12. **Question:** Will a subcontractor that has an A license and will be performing the demo work other than the well demo meet the requirements of the contractor's license?

Answer: No.

13. **Question:** Will owner coordinate with the electrical provider to disconnect power to facility prior to mobilizations?

Answer: A City representative can coordinate the power cut-off prior to construction.

14. **Question:** Spec states the Hydrogeologist will provide a list of analytes to be tested. Please provide a list to provide an accurate quote.

Answer: Contractor shall assume Title 22 Water Quality Analysis for each zone.

15. Question: What is the estimated depth of all the utility lines and drains to be removed?

Answer: The Contractor shall be responsible for potholing to confirm depths and locations, prior to construction. This requirement is listed in the design drawings.

16. Question: Lead time on lab results can take 14-21 day for PFAS (could be faster), pending labs TAT at time of receipt. Hydrogeologist is allowed 14 days from receipt of lab results and procurement of material can take up to 10 days or more. Total Down time is around 45 days, about 30% of current project time. Asbestos removal, Facility demo, well demo and construction of manhole can take 30 days. 50% of the allotted calendar days are not related to well drilling work which will be 80-90% of the overall project budget. We would request that 150 calendar days is extended to 210 calendar days or more.

Answer: Time of Completion has been increased to 195 days.

17. **Question:** The spec references lead removal but there is no testing to support if lead removal should be quoted. Is a lead paint report missing?

Answer: City had lead testing completed, which only low levels were detected on the generator. See attached report.



18. **Question:** Per Special Provisions, is Contractor required to survey and stake the proposed well location?

Answer: Correct.

19. **Question:** 4.07 C.: the storm drain inlet is not shown on drawings W-2 and W-3. Please confirm the location. Is Contractor required to discharge to the storm drain inlet or is the existing pump to waste location a viable option to protect in place until all of the discharge scope is completed?

Answer: Contractor shall utilize existing pump to waste location.

20. **Question:** The spec references lead removal but there is no testing to support if lead removal should be quoted. Is a lead paint report missing?

Answer: See the response to Question #17.

21. **Question:** 17.04 D.: Are the airlifting hours to verify seal integrity compensable at the hourly rate of Bid Item #17?

Answer: Correct; however, Contractor is only paid for airlifting seals that meet the seal verification requirements.

22. **Question:** Can borehole reaming begin immediately upon receipt of the final well design?

Answer: The Contractor shall not have an extended open borehole time of more than 8 hours following the completion of caliper survey prior to commencing well construction.

23. Question: Is there a State Well Completion Report for the liner installation in well 22?

Answer: No there is not a State Well Completion Report for Well 22A; however, a diagram has been included as an attachment.

24. **Question:** Did any of the paint on the doors or piping get checked for Lead content, or is that up to the contractor?

Answer: See the response to Question #17.

25. **Question:** If the contractor must do the lead analysis testing, we would have to put a large amount to cover possibilities that lead exists and must be treated – Can you put an allowance for this on a bid line item?



Answer: City had lead testing completed and is attached for bidding purposes.

26. **Question:** Will any of the equipment in the building be removed prior to contractor starting the work?

Answer: No.

27. Question: What is the size and depth of the pump in the well?

Answer: See attached pump details.

28. Question: Does the City want to keep any of the appurtenances?

Answer: Appurtenances to be salvaged are called out on the design drawings.

29. **Question:** What is the finish surface repair required after removing the below-ground pipe and back filling the trench?

Answer: Surface repair shall consist of placing native soil compacted to 95% up to 6-inches below ground surface and top 6-inches shall consist of crushed rock.

30. **Question:** Section 13.03 A (2) – Good Faith Effort – does this mean minimum of 8 hrs.? Please define intent so we are all bidding the same.

Answer: Contractor shall remove all oil and debris from the well. Sediment within the well sump measured to be greater than 1 foot shall be removed.

31. Question: Is the owner providing all survey and compaction testing?

Answer: Yes.

32. **Question:** To have zone testing equal to all for bidding – How many airlifting hours should we include for each zone? Anything beyond what is specified would be additional time to be compensated.

Answer: Refer to the Technical Specifications Section 17.04 D.

33. **Question:** 28.04 Disinfection: Is the following, correct? Dose the well with enough Sodium Hypochlorite to obtain a residual of 100ppm after 24 hrs., then install 500 gallons of water into the Well, then secure the well with lockable cover.

Answer: Correct, as described in the Contract Documents.



34. **Question:** Do you have drawings of the building we are to demolish?

Answer: Available drawings of the well house have been included.

35. **Question:** Can the new well location be moved up to 10 feet north so that a drill rig can fit? Can't raise the derrick into the powerlines or through the sound walls.

Answer: Location of the well can be moved 10 feet to the north and shall maintain 50 foot offset from the nearby property lines.

36. **Question:** Is the clean water going to be pumped into the existing pump to waste line, or does it have to go to the storm drain to the west?

Answer: Discharge water that meets the General Statewide NPDES permit shall be pumped to the existing pump to waste line.

37. Question: Is the City paying for the construction water from the hydrant?

Answer: Refer to Technical Specifications Section 2.12 F (2).

Sincerely,

Anthony Manzano

Assistant Director of Water Resources

anthony R. Manzano

Att.

cc: Derek Nguyen, Director of Water Resources

Kevin Gustorf, Principal Engineer Josh Sobolew, Senior Hydrogeologist



Water Well Supply, Inc. Well & Pump Data

Customer: LA	KE WOOD_	Job No. XXXI
	Motor: Serial No.# HO2COVZSLGX-C Frame H445TP	Pump No. 22
	Mfg 115 ID WO6-608683-0001-6	5T-01
	Voltage 440 Phase 3 HP ZOO RPM (780 Typ	e KUSI
	Counling Bore / // Drive Nut Thread Key 3/8 X	78
	Amps 222 S.F. 615 Length of Motor 45" Ratche	t: Tes or NO
	Head: MfgFABSerial #	101
	Size Col.Size/O''Discharge Si	ze
/	Tension TypeThread	
5-3"	Column: Dia. 10"	
Head Shaft	Quantity 31 Length O' X 10" Thread T	aperButt>
	QuantityLengthXThreadT	aperButt
111	Quantity / Length 5' X /0" Thread T	75-4-4-10 P
	Head / Length 5' X 10" Thread	
BIM SIM	Total320'	1 0
Stub Shaft	Tube: Inside DiaType of Thread	
Head Tube	Thread Left Right	
т Ш	Shaft: Outside Dia. 11/16 Type of Thread 4th Thread 10	0
320'	Bowls: Mfg Grounds Type 12Cmc No. Stages 7 Serial NO.# 4/133610 Lateral 1" Stick up	
Column	Serial NO.#4133610 Lateral /" Stick up	8"
· H	Suction Dia. /O" Strainer Size 5/5	
	Airline Type 44 5/5 Length 323	
(1)	Well Dia. 173/4 Total Depth 1080 Sounding Depth	1067
Bowls H	S.W.L. 100' Foot Valve	1 A
98"	Remarks parts for start up in yord	
. (+)	320' Yz" puc sch 80	
Suction	Date Pulled Date Installed 7-15-	15
10'	Pulled By Installed By	
	Forman Coord Location	
	Assistant Romses Assistant Victor Assis	tant bhn



Xylem - Goulds Water Technology Performance Test Data



413361 6/16/201			STANDARD: ANSI/HI 14.6-1B PROJECT: CITY OF LAKEWOOD		S	CUSTOMER: WATER WELL SUPPLY PO NUMBER: 20900	
			ONS	CONDIT			*1
382	BOWL TDH:		1.00	SP. GR:		1	PUMP NUMBER:
	PUMP TDH:		32	VISC. SSU:		VIT	PUMP TYPE:
120	REQ GPM:		71	R TEMP (F):	WATER	12CMC	PUMP MODEL:
150	MAX GPM:		No	ITNESSED:	w	7	STAGES:
82	EFFICIENCY%:	E	J01-BF82A-M	OTOR S/N:	N	1117	IMP. MATL:
177	TEST RPM:		7	IMP. QTY:	15	8.50	1ST IMP. DIA:
200 H	TEST MOTOR:	1		IMP. QTY:	2NI		2ND IMP. DIA:
	TEST LINE:		in-lb (Q3024)	RQ METER: 6	TI	1770	CUST RPM:
177	CURVE RPM:		Alex Davila	ESTED BY:	т	200.0	CUST HP:
			RING TEST	ADINGS DU	RE		
	6	5	4	3	2	1	POINTS
109	144.9	173.5	223.5	246.1	255.3	266.7	PSI
252.9	334.72	400.79	516.29	568.49	589.74	616.08	DISCH. FT.
5.0	5.00	5.00	5.00	5.00	5.00	5.00	ELEV. FT.
1.4	1.18	0.93	0.53	0.23	0.06	0.00	VEL. FT.
0.2	0.20	0.16	0.10	0.05	0.01	0.00	PIPE FRIC.
146.7	146.72	145.40	134.82	111.22	84.48	70.52	PUMP HP
0.0	0.00	0.00	0.00	0.00	0.00	0.00	INPUT KW *
185.0	186.00	184.00	170.00	143.00	113.00	99.00	AMPERES *
		ily.	re for reference on	wer readings	* electrical po		
		И	D AT TEST RPM	A RECORD	TEST DAT		
178	1783	1783	1784	1787	1790	1792	RPM
151	1360	1209	907	606	303	0	GPM
259	341.1	406.9	521.9	573.8	594.8	621.1	TDH-FEET
146	146.7	145.4	134.8	111.2	84.5	70.5	PUMP HP
67	79.8	85.4	88.7	78.9	53.9	0.0	PUMP EFF
		RPM	TO CUSTOMER	ONVERTED	ST DATA C	TE	
177	1770	1770	1770	1770	1770	1770	RPM
150	1350	1200	900	600	300	0	GPM
255	336.1	401.0	513.7	562.9	581.6	605.9	TDH-FEET
143	143.5	142.2	131.7	108.1	81.7	68.0	PUMP HP
67	79.8	85.4	88.7	78.9	53.9	0.0	PUMP EFF

By: ENGINEE June 16, 2015

PUMP DATA SHEET Turbine 60 Hz

Company: Water Well Supply, Inc.

Customer: City of Lakewood

Name:

Date: 02/25/15

Order No:Well #22



Pump:

Size: 12CMC (7 stages)

Type: Lineshaft

Synch speed: 1800 rpm

Curve: E6412CGPCO

Specific Speeds:

Ns: 2240

Pump Notes for Standard Sizes:

Suction Size-8",10" Discharge Sizes-6",8",10"

Vertical Turbine: Bowl size: 11.75 in Max lateral: 1 in

Thrust K factor: 7.5 lb/ft

Pump Limits for Standard Construction:

Temperature: 120 °F

Sphere size: 0.73 in

Pressure: 340 psi g

Speed: 1780 rpm Dia: 8.375 in

Search Criteria:

Flow: 1200 US gpm

Head: 380 ft

Fluid:

Water

Temperature: 60 °F Density: 62.37 lb/ft3 Vapor pressure: 0.2563 psi a

Viscosity: 1.105 cP Atm pressure: 14.7 psi a

NPSHa: --- ft

Motor:

Standard: NEMA

Size: 150 hp

Speed: 1800

Sizing criteria: Max Power on Design Curve

---- Data Point ----Flow: 1202 US gpm Head: 380 ft Eff: 83.4% Power: 138 hp NPSHr: 16.9 ft -- Design Curve --Shutoff Head: 599 ft Shutoff dP: 259 psi Min Flow: --- US gpm

BEP: 86.1% eff

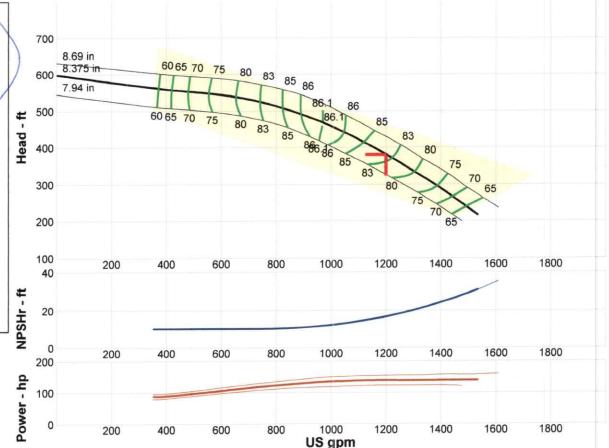
@ 970 US gpm NOL Pwr: 139 hp

@ 1536 US gpm

-- Max Curve --

Max Pwr: 160 hp

@ 1609 US gpm



Performance	e Evaluation:				
Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1440	1780	267	70.1	139	26.2
1200	1780	381	83.4	138	16.9
960	1780	471	86.1	133	11.7
720	1780	528	82.3	117	10.1
480	1780	553	70.1	95.8	10.1

PUMP DATA SHEET Turbine 60 Hz

Company: Water Well Supply, Inc.

Customer: City of Lakewood

Name:

Date: 02/25/15

Order No:Well #22



Pump:

Size: 12CMC (7 stages)

Type: Lineshaft

Synch speed: 1800 rpm

Curve: E6412CGPCO

Specific Speeds:

Ns: 2240

Pump Notes for Standard Sizes:

Suction Size-8",10" Discharge Sizes-6",8",10"

Vertical Turbine:

Bowl size: 11.75 in Max lateral: 1 in

Speed: 1620 rpm

Dia: 8.375 in

Thrust K factor: 7.5 lb/ft

Search Criteria:

Flow: 1200 US gpm

Head: 380 ft

Fluid:

Water

Density: 62.37 lb/ft³ Viscosity: 1.105 cP

Temperature: 60 °F Vapor pressure: 0.2563 psi a Atm pressure: 14.7 psi a

NPSHa: --- ft

Motor:

Standard: NEMA

Size: 125 hp

Speed: 1800

83

80

1250

1250

1250

1000

US gpm

75

70 65

1500

1500

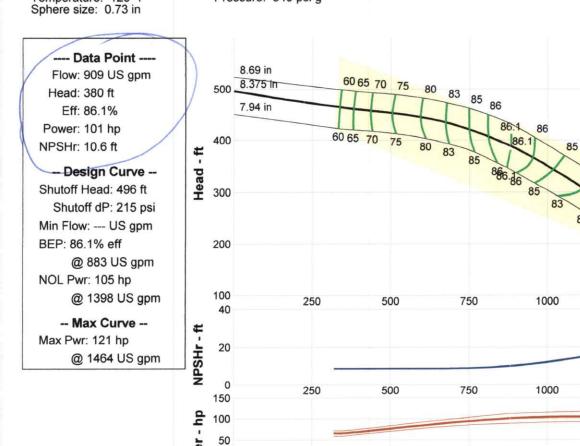
1500

Pump Limits for Standard Construction:

Temperature: 120 °F

Pressure: 340 psi g

Sizing criteria: Max Power on Design Curve



250

0

Performance	e Evaluation:		VAN DEPORT AND A		
Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1440	1620	UTTER			
1200	1620	271	79.1	104	18
960	1620	363	85.9	103	11.4
720	1620	426	84.2	92.1	8.84
480	1620	455	73.2	75.4	8.68

500

PUMP DATA SHEET Turbine 60 Hz

Company: Water Well Supply, Inc.

Customer: City of Lakewood

Name:

Date: 02/25/15

Order No:Well #22



Pump:

Size: 12CMC (7 stages)

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Bowl size: 11.75 in Max lateral: 1 in

Speed: 1500 rpm Dia: 8.375 in

Thrust K factor: 7.5 lb/ft

Search Criteria:

Flow: 1200 US gpm

Head: 380 ft

Fluid:

Water

Density: 62.37 lb/ft3

Viscosity: 1.105 cP

Vapor pressure: 0.2563 psi a

Atm pressure: 14.7 psi a

Temperature: 60 °F

NPSHa: --- ft

Motor:

Standard: NEMA

Size: 100 hp

Speed: 1800

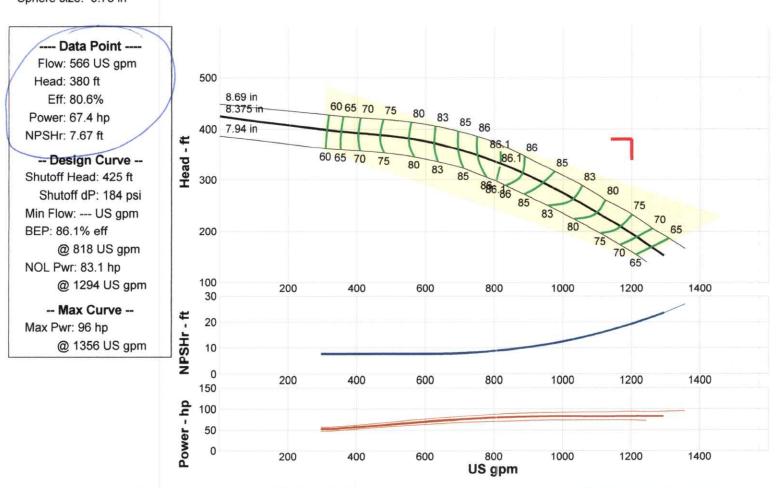
Pump Limits for Standard Construction:

Temperature: 120 °F

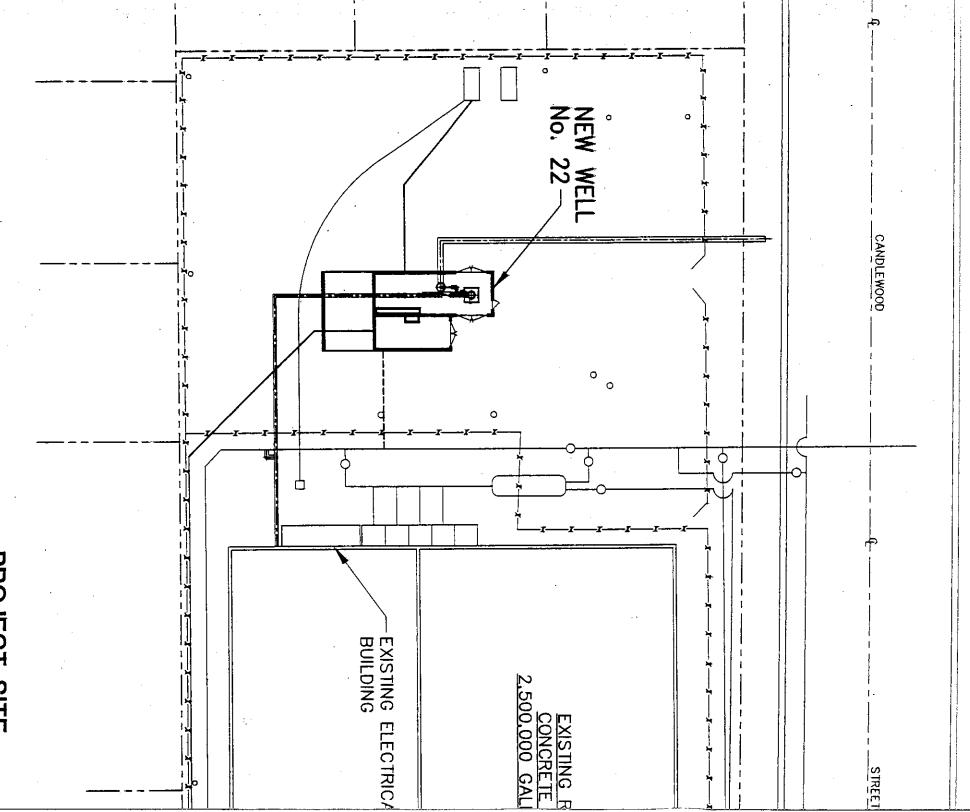
Sphere size: 0.73 in

Pressure: 340 psi g

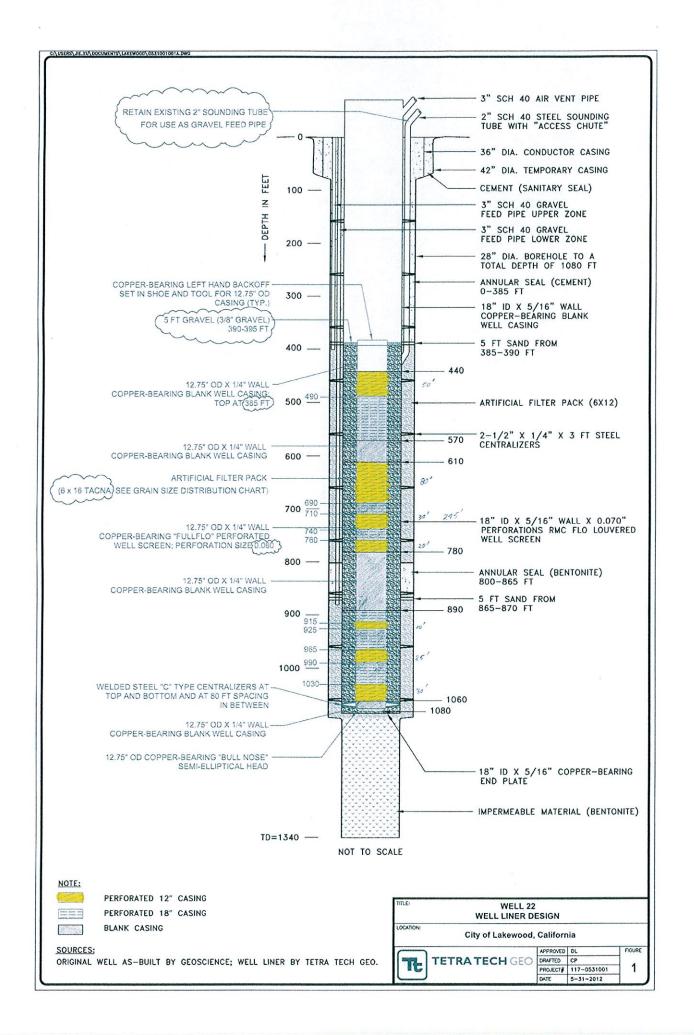
Sizing criteria: Max Power on Design Curve



Performance	e Evaluation:					
Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft	
1440	1500					
1200	1500	196	71.6	82.9	19.4	
960	1500	288	84.6	82.6	11.6	
720	1500	355	85.5	75.7	8.07	
480	1500	388	75.8	62	7.67	



ROJECT SITE



CITY OF LAKEWOOD

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SE 22

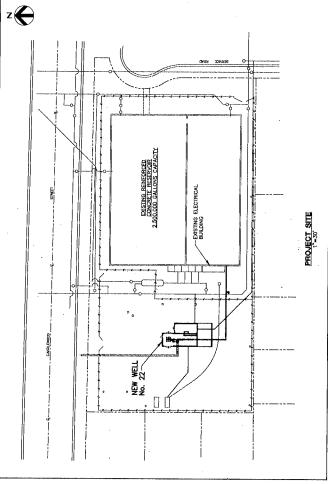
PLANS FOR THE CONSTRUCTION OF SITE IMPROVEMENTS FOR WATER WELL NO. 22 3310 CANDLEWOOD ST. PW PROJECT NO. 97-02



CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (800-422-4133) AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION,

GENERAL NOTES

- 2 CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERHOATION OF THE EXACT CACALIES, WHITER FOR IN WISH THE GOT MILL OF SCHOOL SHALL SHALL
 - TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST PUBLICATION ENTITLED "WORK AREA TRAFFIC CONTROL HANDBOOK" (W.A.T.C.H. MANDAL).
- 4. CONTRACTOR SHALL AT HIS EXPENSE AND COST, CONSTRUCT ALL IMPROVEMENTS IN SUCH A MANNER AS WILL PROTECT ALL EXISTING UNDERGROUND UTILITIES.
- 5. STREET PAYNER MITERIALS AND PORTLAND CEMENT OF CONCRETE CURB AND CULTER AND SIDEMALK SHALL BE CONSTRUCTED TO MATCHE STORMET THE AND THEORYBESS, UNLESS OFFERMS FINDICATED ON PLAYS ON IN SPECIATIONS.
 - CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY MATERIALS REQUIRED FOR PRESSURE TESTING AND DISINFECTING OF NEW WATER LINES.
- 7. INSTALL METALLIC TRACER WIRE WITH ALL PVC PIPE
- CONSTRUCT CONCRETE ANCHOR BLOCKS AT ALL BELOW GRADE BENDS AND FITTINGS.
- ALL WATER SYSTEM VALVES, FITTINGS AND APPURTENANCES SHALL BE DUCTLE OR CAST IRON, UNLESS OTHERWISE INDICATED ON PLANS OR IN SPECIFICATIONS. PIPE ELEVATIONS SHOWN ARE PIPE INVERT ELEVATIONS UNLESS OTHERWISE NOTED.
- UNIESS OTHERWISE SPECIFIED ON PLANS, ALL PIPE AND FITTINGS TO UTILIZE PUSY ON JOHYTS, STANDARD DUCTILE IRON PIPE JOHYTS MAY BE DEFLECTED UP TO 5.
- CONTRACTOR SHALL PROTECT EXISTING UTILITY POLES, GUY WRES, AND SUPPORT IN PLACE DURING CONSTRUCTION, AND PROVIDE SUPPORT DURING CONSTRUCTION, AND PROVIDE SUPPORT DURING CONSTRUCTION.



GENERAL: 6-1 THE SHEFT 6-2 SITE PPING PLAN 6-3 DEMOLITION, PANING, AND BLOCK WALL PLAN	MECHANICAL: M-1 PUMP PIPING PLAN AND SECTIONS M-2 MISCELLANGOUS WELL DEFAILS M-3 PLUMBING AND YENTILATION PLAN	STRUCTURAL. S-1 GENERAL NOTES AND ROOF FRAMING PLAN S-2 FLOOR AND ROOF FRAMING PLAN S-4 WOOD FRAMING DETAILS S-6 WOOD FRAMING DETAILS S-6 STRELL SECTIONS AND DETAILS S-7 MISCELLANGLUS SCENIONS AND DETAILS S-8 MASONRY DETAILS AND MISCELLANGLOS CONCRETE DETAILS S-9 MASONRY DETAILS AND MISCELLANGLOS CONCRETE DETAILS S-10 FENCE, GATE, AND MISCELLANGLOS DETAILS S-10 FENCE, GATE, AND MISCELLANGLOS DETAILS

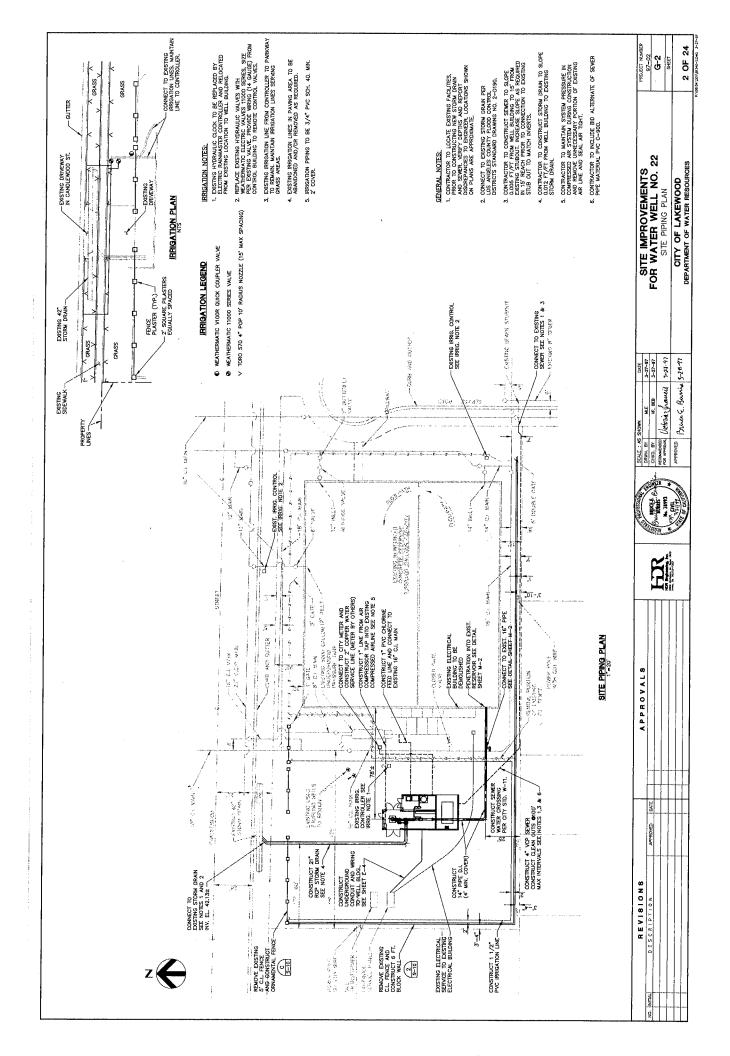
ELECTRICAL SYMBOLS AND LEGEND	ELECTRICAL ABBREVIATIONS	SINGLE LINE DIAGRAM AND PANEL ELEVATION	ELECTRICAL FLOOR PLAN	ELECTRICAL CONTROL DIAGRAMS	DETAILS AND CONDILL SCHEDULE
<u>.</u>	E-2	E-3	E-4	£-5	<u>ا</u> ک

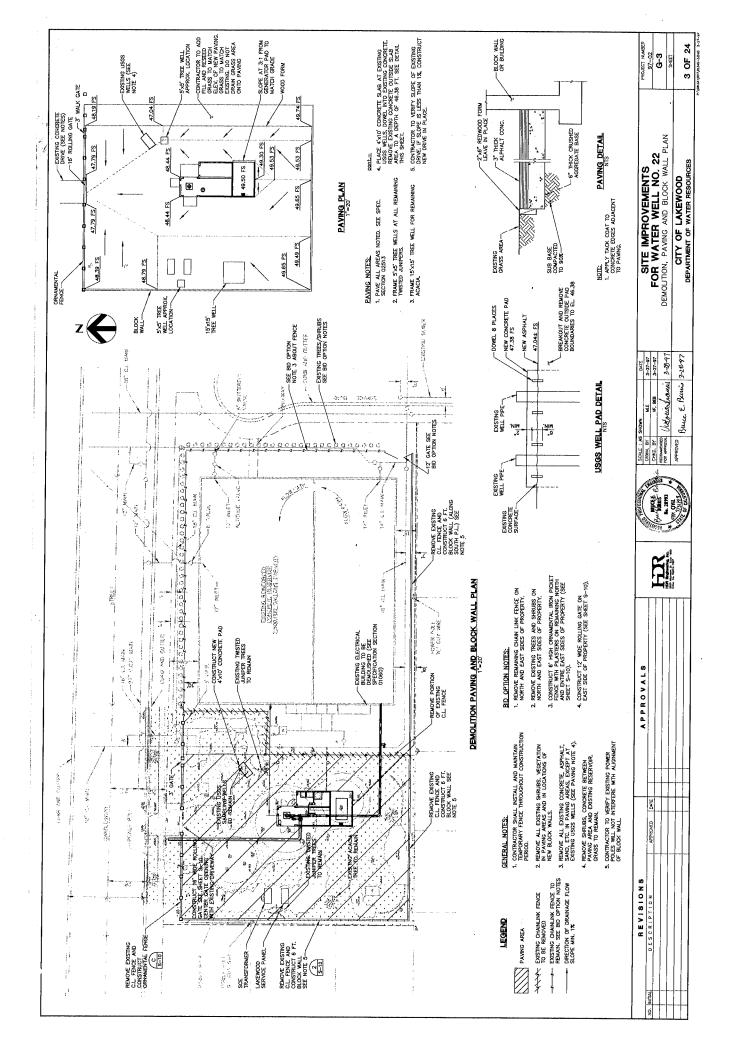
INSTRUMENTATION SYMBOLS AND LEGEND PROCESS AND INSTRUMENTATION DIAGRAM INSTRUMENTATION: I-1 INSTRUMEN: I-2 PROCESS A

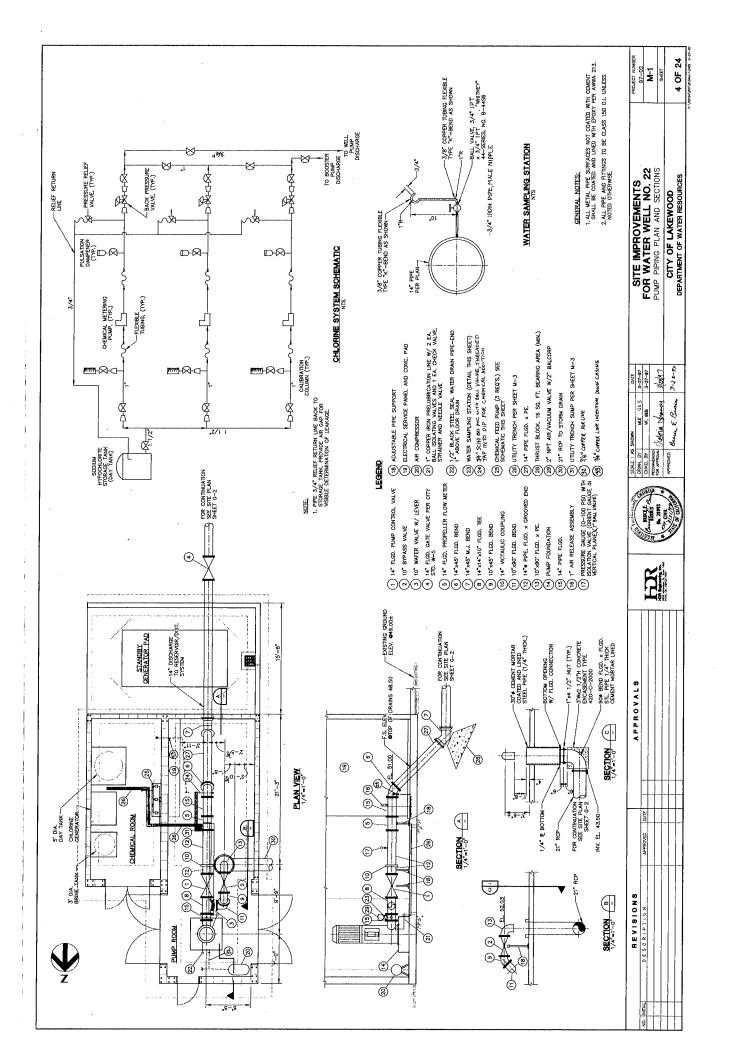
BENCH MARK LA. CO. RD. BM DY 8802 ELEV. = 48.070 RD. THE GEN. CORNER OF CANDLEWOOD AND PARAMODINI.

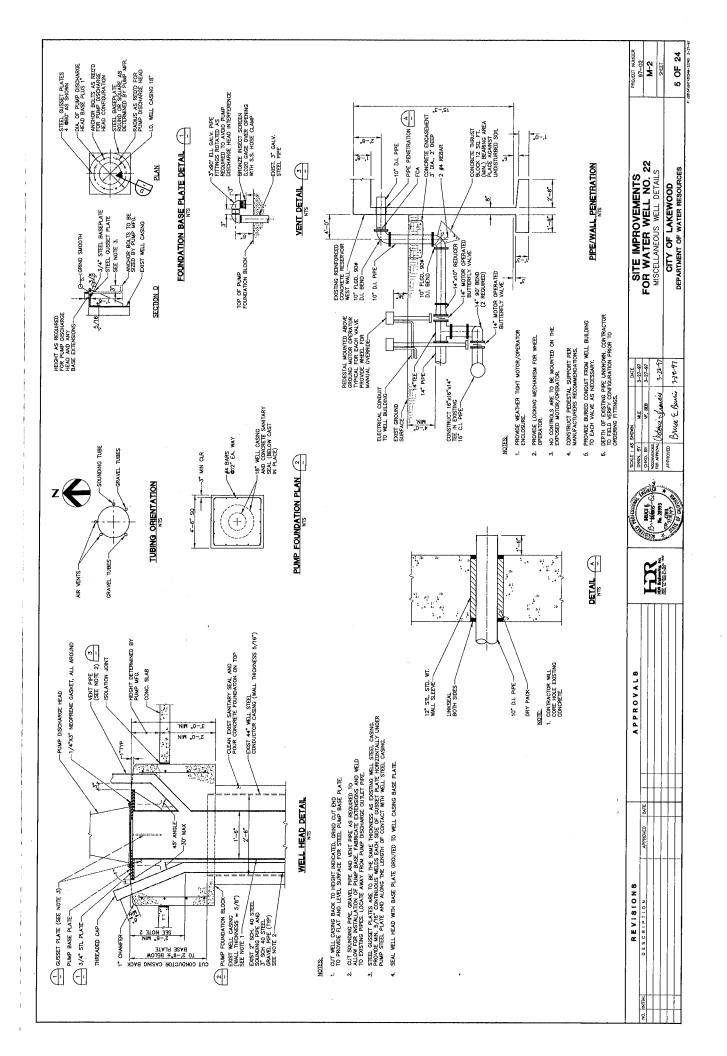
		ĭ	Total Service	THE MANNEY OF THE PARTY - 15TH	
ļ	Š	11/1	12/2/0		16/2/9
APPROVALS	APPROVED DATE LISO A. Rapp - DIRECTOR OF PUBLIC WORKS	Lai Bar Rapo	محدد محدد محدد محدد محدد محدد محدد محدد	James B. Glancy - DIRECTOR OF WATER RESOURCES	North A Sylam
	APPROVED DATE				
REVISIONS	NO. INTEAL DESCRIPTION				7.07

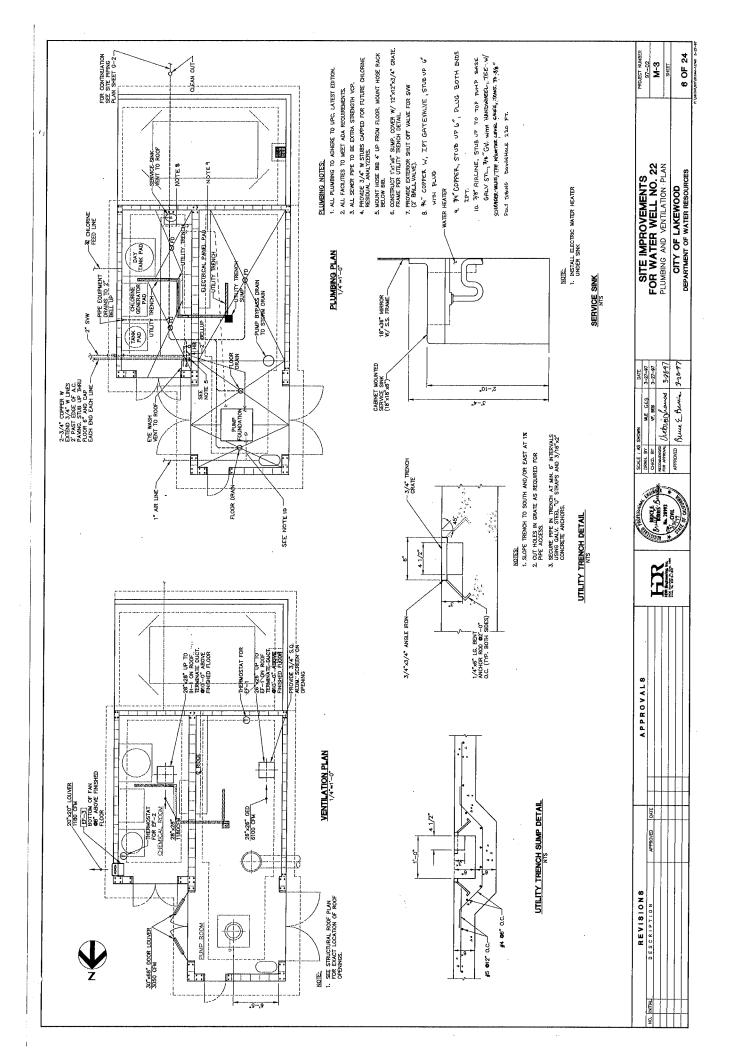
PROJECT NUMBER	97-02	G-1	SHEET		OF 24
STITEMENT DESCRIPTION		FOR WATER WELL NO. 22	ILL SHEE!	CITY OF LAKEWOOD	DEPARTMENT OF WATER RESOURCES
SCALE : AS SHOWN DATE	DEMONS BY MIE	Selford Marks (Andrew Corners) , , , HEB 3-20-97	THE BEST HOLD IN THE CONTROL OF THE	APPROVED CALLOS O BOLLOS O DO DO	of culture of the contract of
APPROVALS	APPROVED DATE Like A. Robe - DIRECTOR OF BURILLY WORKS	Lisi an Rapo	mass B Chance - Dipertop of water produces	A. A C.A.	illeto
REVISIONS	ATEN DESCRIPTION APPROVED DATE LIN				





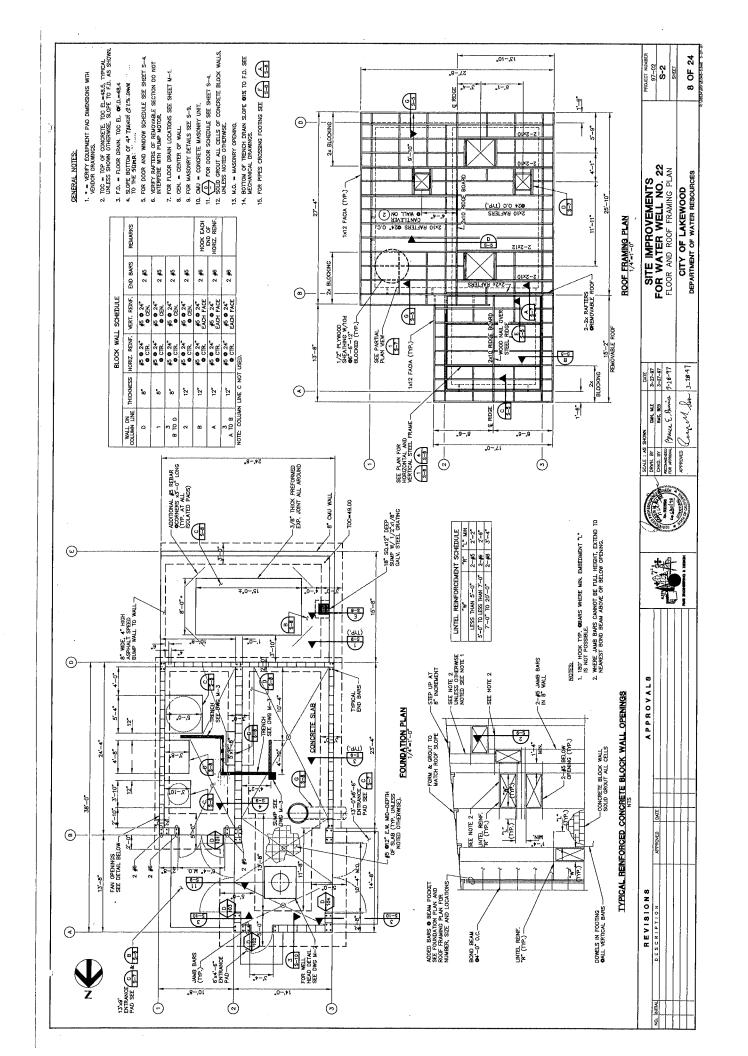


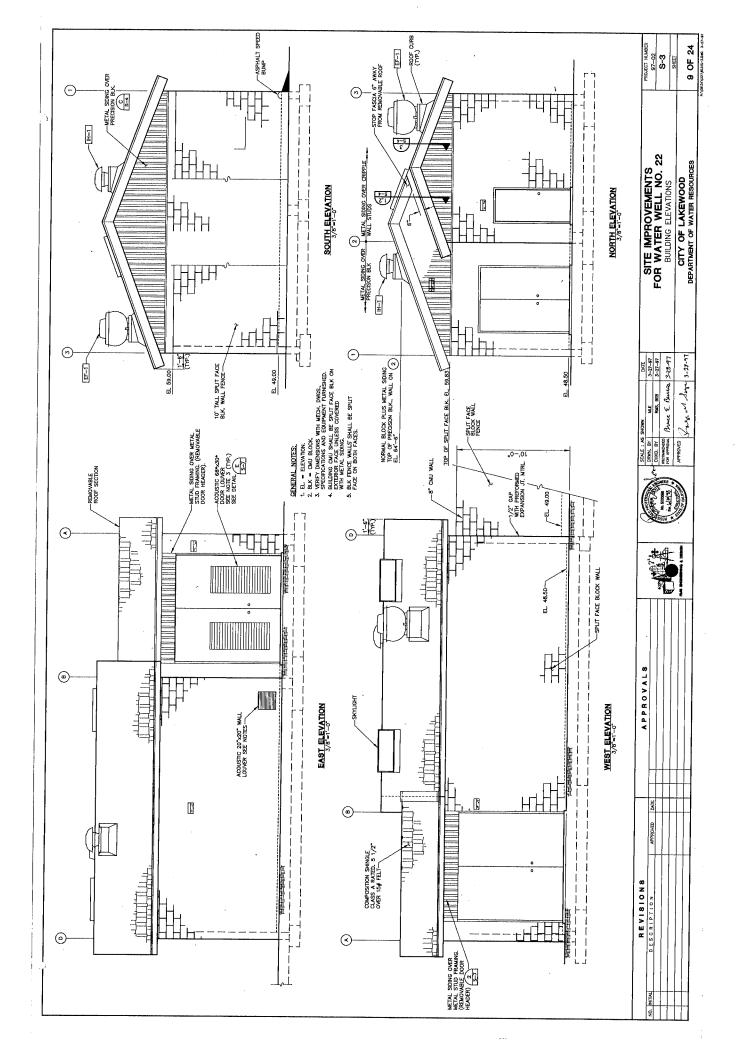


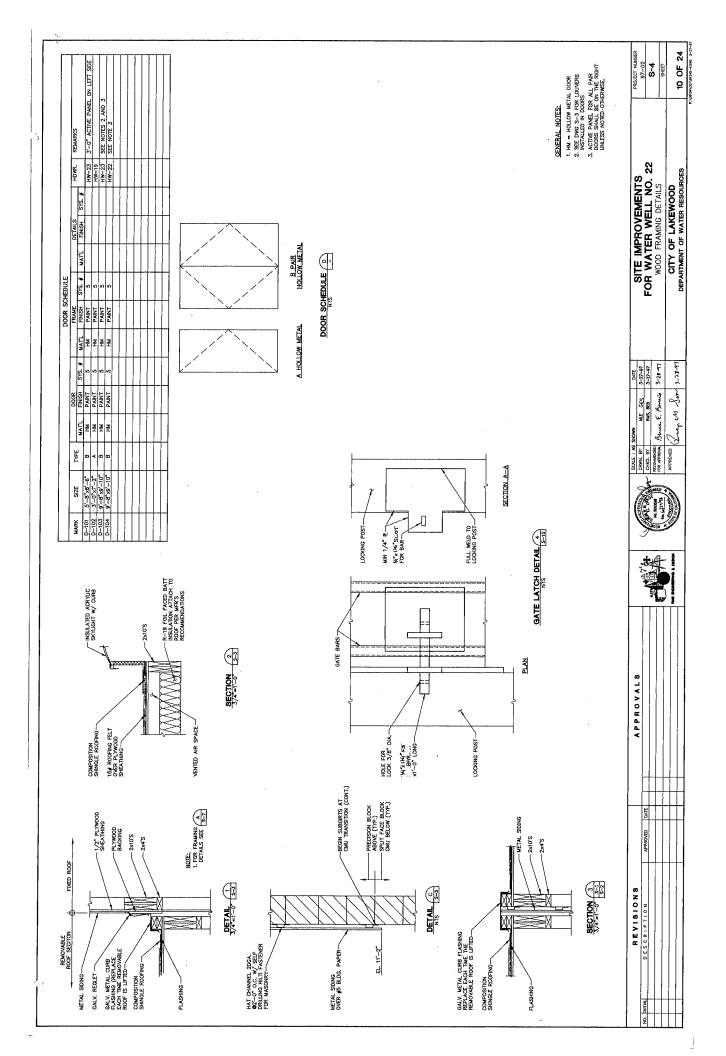


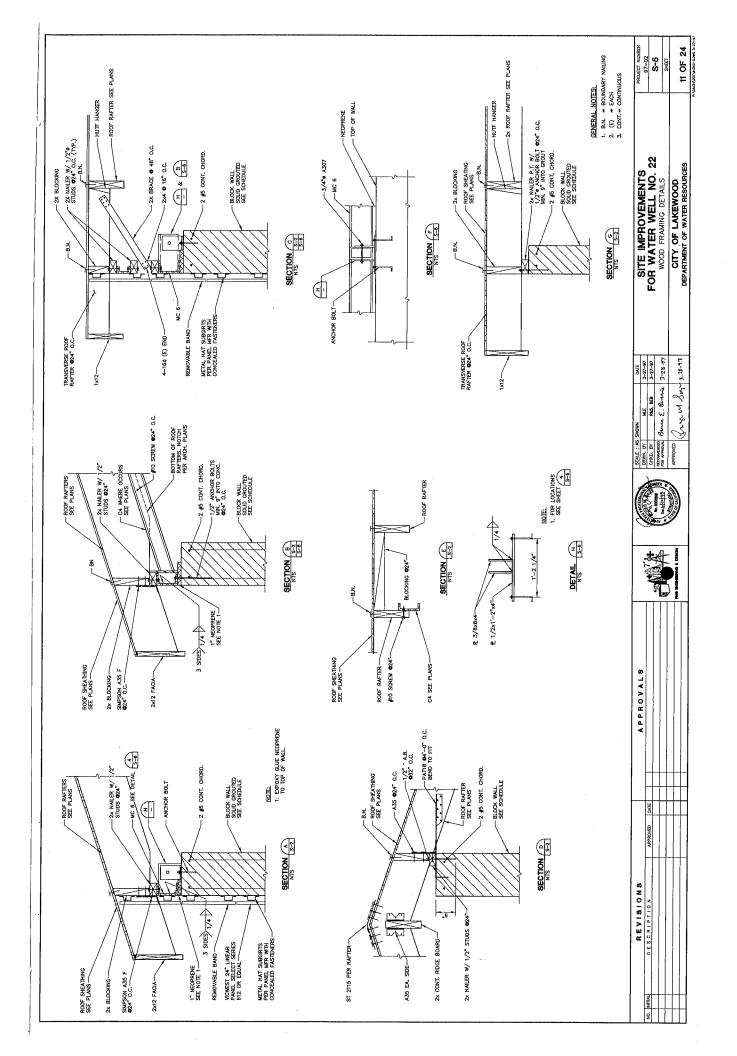
97-02 S-1 7 OF 24 SINK VENT 0 -CHLORINE GENERATOR VENT SITE IMPROVEMENTS FOR WATER WELL NO. 22 GENERAL NOTES AND ROOF FRAMING PLAN × CITY OF LAKEWOOD DEPARTMENT OF WATER RESOURCES 2x12 FACIA (TYP.) VENT 0 FACE OF BLDG. ARCHITECTURAL ROOF FRAMING PLAN SKYLIGHT FLASHING × (e) EYE-WASH VENT-| SCALE : AS SHOWN | DATE | DATE | DESCRIPTION | DATE | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DESCRIPTION | DATE & SALVINE | DESCRIPTION | DESCRI Para Leger 3.28.97 UFTING EYE BOLT (TYP. 4 PLACES) SEE DETAIL Θ APPROVED (0) (b) AREAS OF GALVANIZING DAMAGED BY WELDING OR BURNING, OR OTHERWISE DAMAGED SHALL BE REPAIRED AND RE-COATED. HAROWARE SHALL BE OF SIMPSON CO. OR APPROVED EQUAL, ALL FRANING ANCHORS SHALL HAVE NAILS IN ALL NALL HOLES AND ALL PROVIGS SHALL BE SET. 1. ALL MATERIAL AND WORK SHALL CONFORM TO THE AISC SPECIFICATION, LATEST DITTION, FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL, STEEL FOR BUILDINGS. CHEMICAL MACHER RADIOES SHALL BE HUTH HAY ADJESTIF ANCHOR STSTEM, OTHER CHEMICAL, MACHOR FRODLOST BHITM HOST REPORTS SOMMING SHEAR AND TIBSION CHARLES EIGHL, OR BETTER THAN THOSE SHOWN ON THE (120) REPORTS NO. 4016 THE THEM SHOWN ON THE VESTION OF STREAM OF THE WEST BOLLS AND THE USED, WHEN BOLLS AND THE USED, WENT BOLLS AND THE USED, WENT BOLLS AND THE USED. HOT-DIP GALVARIZNE SHALL CONTONN TO THE REQUIREMENTS OF ASTA STANDARD LEAS-THE WITH AN AVERAGE FROOT OF 2 OUNCES AND NOT LESS THAN 1.8 OUNCES FOR SQUARE FOOT. 6. SUB DRILL FOR LAG BOLTS THREAD ROOT DIAMETER, COUNTER BORE FULL SZE FOR UNTHREADED SHANK, BOLTS SHALL CONFORM TO ASTM AJOT, WASHERS TO ASTM AJS, BOLT HOLES SHALL BE DRILLED. SAME DIMERED AS BOLL THE WASHERS UNDER NOT AND HEAD WHERE IN DIRECT CONTACT WITH WOOD, TRAITED NOTES OF WITH CRUSHING OF BOLTS OLDER WASHER, RETIDITED AFTER 60 DAYS OR JUST PRIOR TO CLOSING IN WHERE CONCALED. PLYWOOD ROOF SHEATHING SHALL BE APA/DEPA GRADED CDX, PANEL INDEX 32/16 WITH EXTENDER CALLE, MINIMUM NALINGE EDGES & 6 IN. CAC., AT INTERMEDIATE SUPPORTS @ 12 IN. CAC. UNICESS NOTED OTHERWISE. WEIDING SIALL CONFORT TO AND DITI AND SHALL BE PERFORADD BY 1080 THEID WELDERS, ALL RELD WEDING, INSECTOR, BE INSECTED BY AN APPROVED WELDING INSECTOR. STRUCTURAL STAINLESS STEEL SHALL CONFORM TO ASTM A276 FOR BARS AND SHAPES, INCLUDING CONNECTORS AND SHALL BE TYPE 316L 7. FRAMING DETAILS SHALL CONFORM TO SECTION 2326 UBC 1994, UNLESS NOTED OTHERWISE. CONTRACTOR TO REMOVE AND REPLACE THE REMOVABLE ROOF SCION IN THE PRESENCE OF THE CITY ENGINEERING STAFF BEFORE TERMINATION OF BUILDING CONSTRUCTION. SEE SPECIFICATION SECTION 01060. 3. TIMBER SHALL BE DOUGLAS FIR, NFP GRADE NO. 2, EXCEPT FOR NONBEARING PARTITIONS, WHICH SHALL BE STUD GRADE. 10. BEAMS OVER 15 FEET LONG SHALL BE CAMBERED UPWARD PARABOLICALLY BY A FACTOR OF L/200, UNLESS NOTED OTHERWISE ON THE DRAWNIGS. 4. SILLS RESTING ON CONCRETE OR MASONRY SHALL BE OF FOUNDATION GRADE REDWOOD OR PRESSURE TREATED DOUGLAS FIR. NAILING (COMMON GALVANIZED) AS SHOWN ON PLANS, AND PER UBC TABLE 23-1-Q (MINIMUM). PROWDE A STANDARD WASHER AND HEX NUT WITH EACH CONCRETE ANCHOR BOLT. SHOP DRAWINGS SHALL BE COORDINATED WITH ALL PLANS INCLUDING WOOD DRAWINGS. 4. STRUCTURAL TUBE MEMBERS SHALL CONFORM TO ASTM ASDO, GRADE B 3. STRUCTURAL PIPE MEMBERS SHALL CONFORM TO ASTM AS3, GRADE B 8. EXPOSED WOOD SHALL BE PAINTED OR TREATED WITH PRESERVATIVE. 5. STEEL ANCHOR BOLTS SHALL CONFORM TO ASTM A307, GRADE A 2. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36. 2 SHOP DRAWINGS SHALL BE REVIEWED BY HDR. APPROVAL8 1. HOT-DIP-GAL VANIZING E STRUCTURAL STEFT: K. CONCRETE ANCHORS: H. STAINLESS STEEL: G. WELDING STEEL: L SHOP DRAWINGS T WOOD ų, CONSTRUCTION JOINTS SHALL BE ROUGH AND CLEAN. REMOVE LOOSE AGGREGATE AND DAMAGED CONCRETE. TO STATE OTHERWISE, ALL FOUNDATIONS SHALL BE CAST ON SOIL COMPACTED TO ASSESS NOTED OTHERWISE OF ARADMAN DETAILS DESTRUEN SOIL BELLOW THE BOTTOM PRODUCE TO THE TOWN LIMITS OF BINCHES AND SHALL BE RECOMPLETED TO THE TOWN LIMITS OF EXCHANTION SHALL BE RECOMPLETED TO THE TOWN LIMITS OF EXCHANTION SHALL EXTENDED THE TOWN TRAINEDRY OF THE FOUNDATION. AGGEGALE SALL NOT DRIGNATE FROM SAN FERNANDO VALLEY AREA OF SOUTHERN ACTIVERNA OR ANY OTHER SOURCE WERE FEACTIVE OR DEGENERATIVE ROCK PRODUCTS HAVE BEEN ENCOUNTIED. ANCHOR BOLTS, DOMES, REMPORCING STEEL, PIPE SLEEVES, INSERTS, ETC., SHALL BE SECURELT IED IN PLACE PRIOR TO POWING CONCRETE. CONCRETE BLOOKS SHALL BE USED TO SUPPORT REINFORMS STEEL ON GALDE. STATISTIC CANDIDIONS. CONTRACTOR SYALL FIELD VERFY EXISTING CONDITIONS WERE FROM TO MATERAL MERGACIATOR MADOR CONSTRUCTION, LOCOLOGIOUS FOR FROM THOSE NOTED ON THE PRAMMERS STALL BE PROMERTY OF THE PROMERS. THEN THE PROMERS. THEN TO BE FIELD VERHED INCLUDE BUT NOT LIMITED TO. COMENT SHALL CONFORM TO ASTA C150, THPE II, AGGREGATES SHALL CONFORM TO ASTA C+33, COARSE AGGREGATE SHALL BE MAXIMUM 1 INCH CRUSHED ROCK, PEA, GRAVEL SHALL NOT BE USED. A CHRNG CAPPOLAGE PAPPLED TO ALL DOOSED CONDRETE SURFACES AS SOON AFTER STRIKE OF POSSBILE CONFIGE COMPOND SMALL BE COMPATIBLE WITH CONCRETE ADDITIVES, SEALMITS ON SURFACE TREATMENTS USED. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTA SPECIFICATION A615 GRADE 60, 4. REINFORCEMENT FOR MASONRY SHALL BE SECURED IN PLACE IN CONFORMANCE WITH THE DRAWNINGS AND APPLICABLE REQUIREMENTS OF THE UBC 94. PROVIDE CONTINUOUS INSPECTION FOR ALL CONCRETE MASONRY WORK, PER 94 UBC REQUIREMENTS, WHERE CALLED OUT ON THE DRAWINGS. CONCRETE MASONRY UNITS SHALL COMPLY WITH THE REQUIREMENTS OF ASTA, CSBO, GOADE N—1 WITH MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI, AND SHALL BE GORANL, WIGHT. CORNER BOND BEAM, PILASTER, U-BLOCKS, AND ACCESSORY UNITS OF THE SAME COLOR AND TEXTURE SHALL BE PROVIDED. GENERAL NOTES APPLY TO ALL STRUCTURAL WORK EXCEPT WHERE DETAILS OR NOTES SPECIFICALLY SHOW OTHERWSE. A. LOCATION, DIMENSIONS AND ELEVATION OF THE STRUCTURE ON THE STE. B. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, BETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK, ALL CONGRETE SHALL BE 4,000 PSI MINIMUM AT 28 DAYS, UNLESS NOTED OTHERWARD. OTHERWARD. AT 28 DAYS UNLESS NOTED OTHERWARD. MINIMUM LAP SPLICE FOR ALL REINFORCING BARS SHALL BE 48 BAR DIAMETERS. ALL JAMB BAR SPLICES SHALL BE 62 BAR DIAMETERS. CONCRETE MASONRY SHALL BE ANGELUS SPECIAL ORDER ORANGE PLANT #ZDT SUSUDIN WIGHER FOR EQUAL, EGUAL PRODUCTS SHALL BE PRODUCED BY A FIRM CHRERITY CERTIFED IN THE QUALITY CONTROL PROGRAM OF THE CALFORNIA CONCRETE MASONRY TECHNICAL COMMITTEE. 7. ALL CONCRETE SHALL BE VIBRATED IN PLACE DURING PLACING OF CONCRETE. TPPICAL DETAILS APPLY TO ALL STRUCTURAL WORK, WHETHER SPECIFICALLY CALLED OUT AT SPECIFIC LOCATIONS ARE TO BE APPLED TO OTHER SMILAR CONDITIONS. 1. REINFORCED CONCRETE SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301. 5. GROUTING: ALL CELLS SHALL BE GROUTED SOLID, UNLESS NOTED OTHERMSE DATE A. CONCRETE CAST AND PERMANENTLY EXPOSED TO EARTH 3 IN. B. FORMED CONCRETE EXPOSED TO WEATHER OR EARTH 1 1/2 IN. C. FORMED CONCRETE EXPOSED TO WATER 2 IN. 1. ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF. 6. PROVIDE 3/4" CHAMFER AT ALL EXPOSED EDGES. MINIMUM COVER REINFORCING STEEL SHALL BE: REVISIONS DESCRIPTIO E. CONCRETE MASONRY UNIT. B. SOIL AND FOUNDATION D. REINFORCING STEEL: 'n κģ

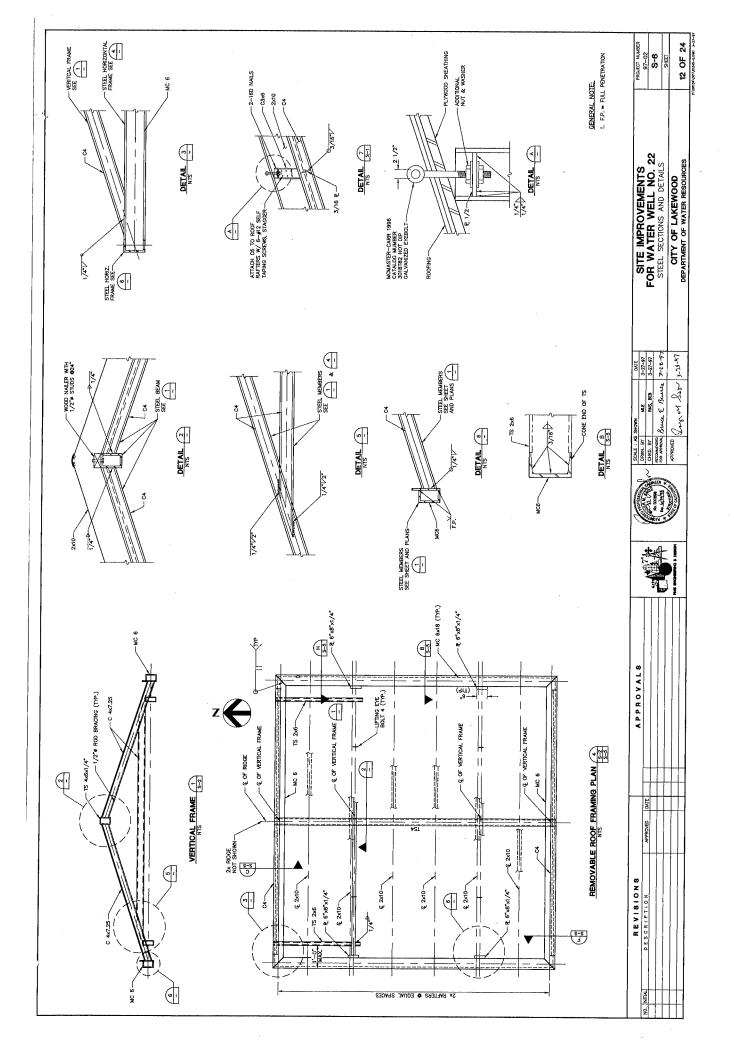
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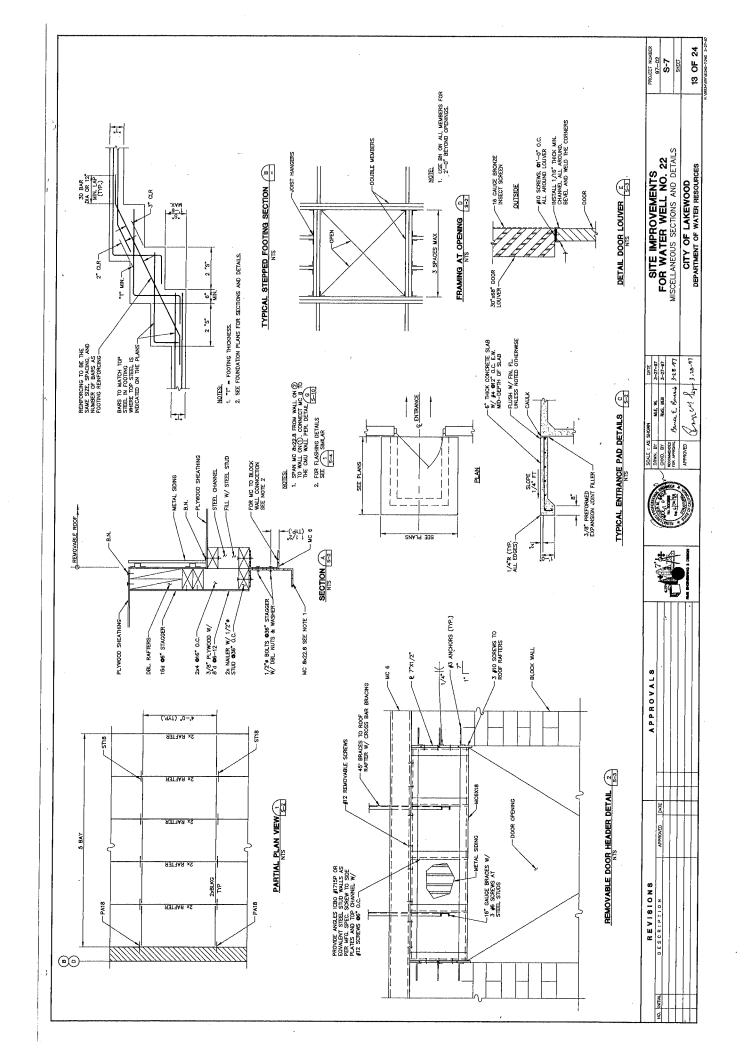


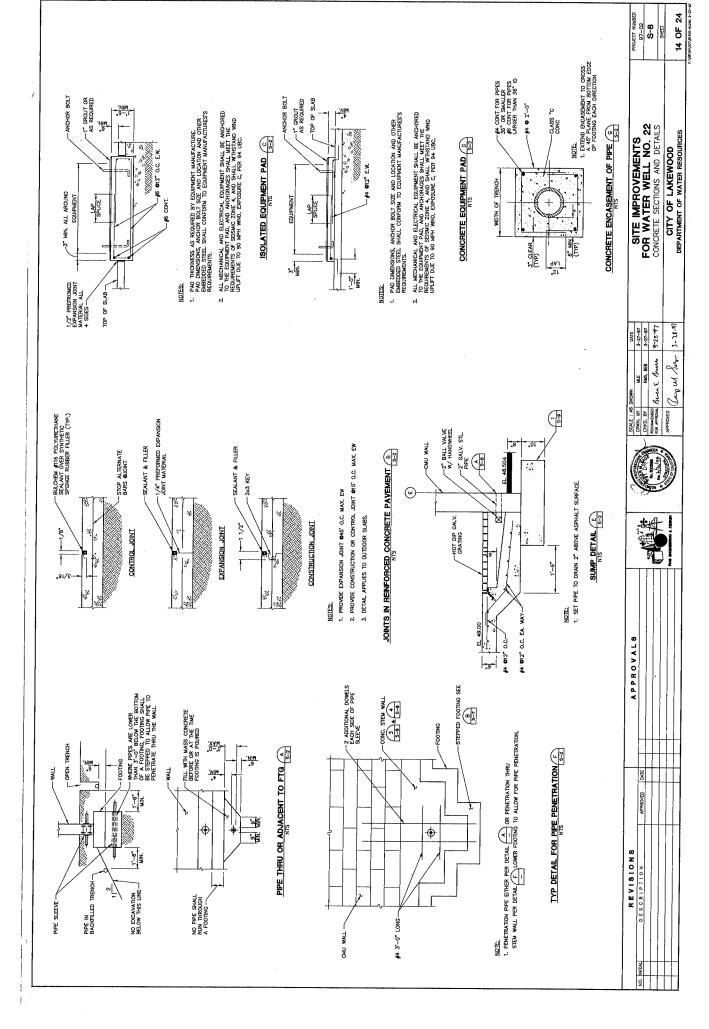


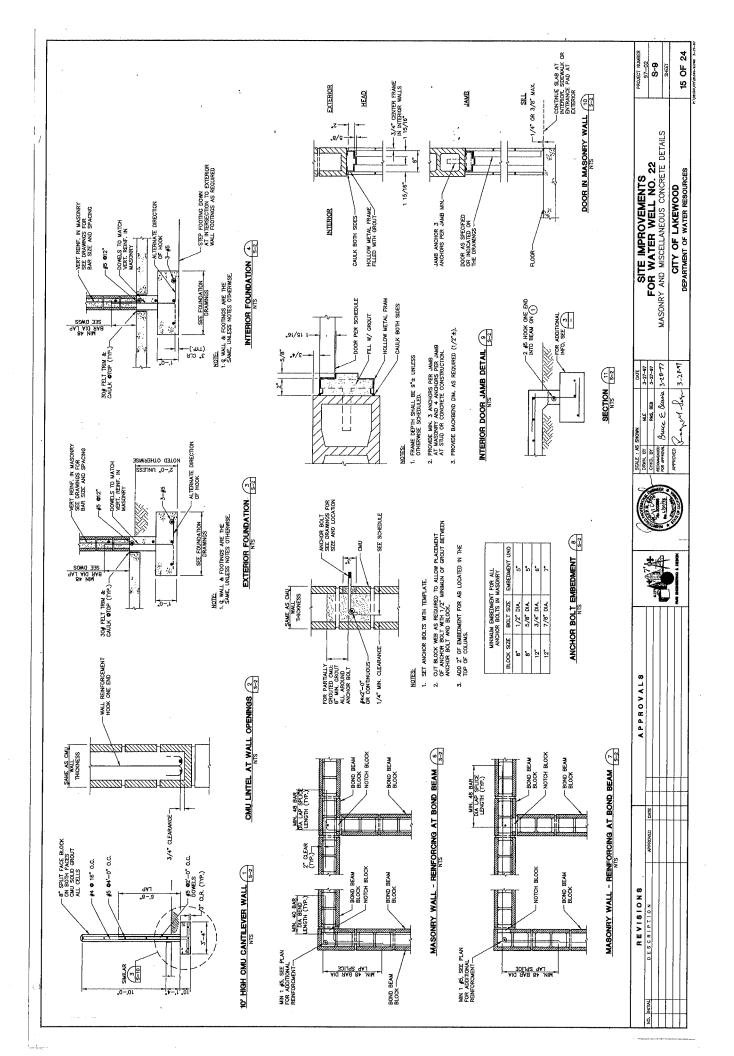


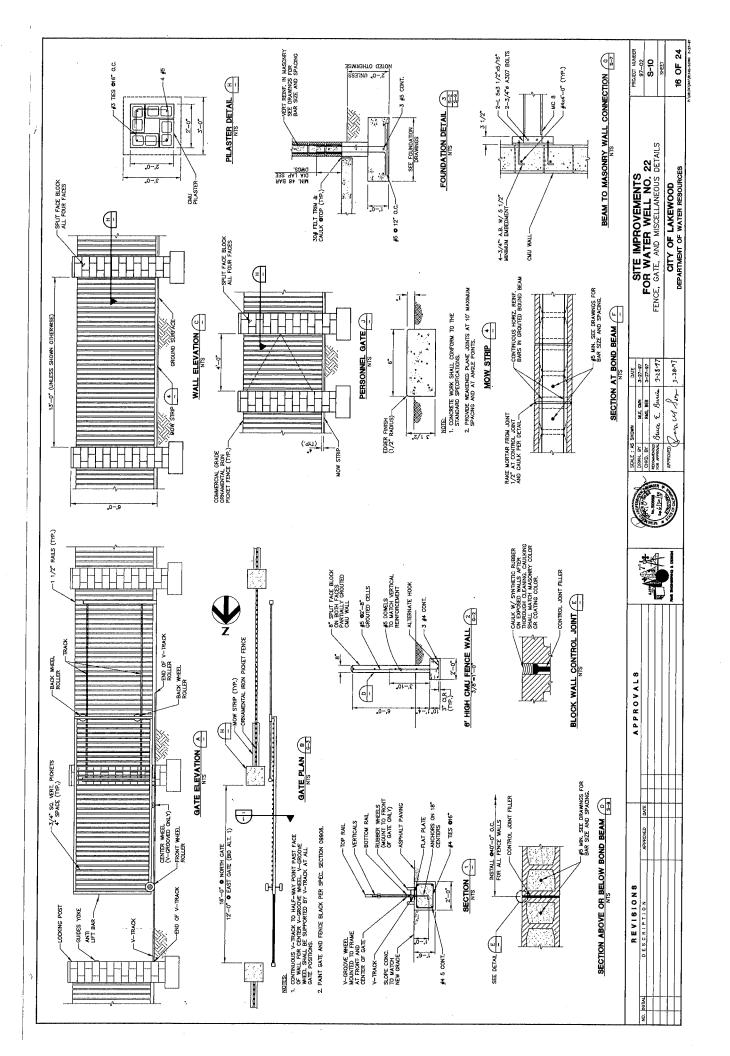






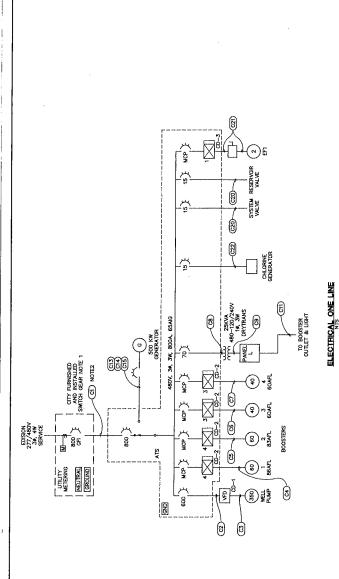






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CONTROL TO BE COMBINATION PHOTO CELL-MOTION DETECTION WITH WALL SWITCH BYPASS.

8'-0" UP

2-32W & ELECTRONIC BALLAST 150W INC

FLUOR VAPORTIGHT, CORROSION RESISTANT BRONZE WALL PACK W/ POLYCARBONATE LENS

TYPE NOT USED

MARK

12'-0" UP WALL 8'--0" UP

1000W QUARTZ 2-12W

LITHONIA ELT-LA 250 HUBBELL

BATTERY OPERATED EMERGENCY QUARTZ FLOODLIGHT

UNLESS OTHER MOUNTINGS NOTED.

NOTES

MOUNTING

LIGHT FIXTURE SCHEDULE MFR/EQUAL LAMP

			Ž	PANEL L			
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3	UGHTS	20/1		0001	20/1	OUTLETS	4
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72	EF-2	20/1	200			CHEMICAL FEED CP	ជ
23	GENERATOR BATTERY CHARGER	20/1		200		CHEMICAL FEED OP	75
52	AIR COMPRESSOR	1/02	200			CHEMICAL FEED CP	26
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29,3	29,31,33,35	SPACE			SPACE	30,3	30,32,34
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VFD AND 350 HP WELL PUMP CONTROLS

SPACE

40 HP BOOSTER

DRY TRANS FEEDER

DRY

60 HP BOOSTER

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GENERAL NOTES:

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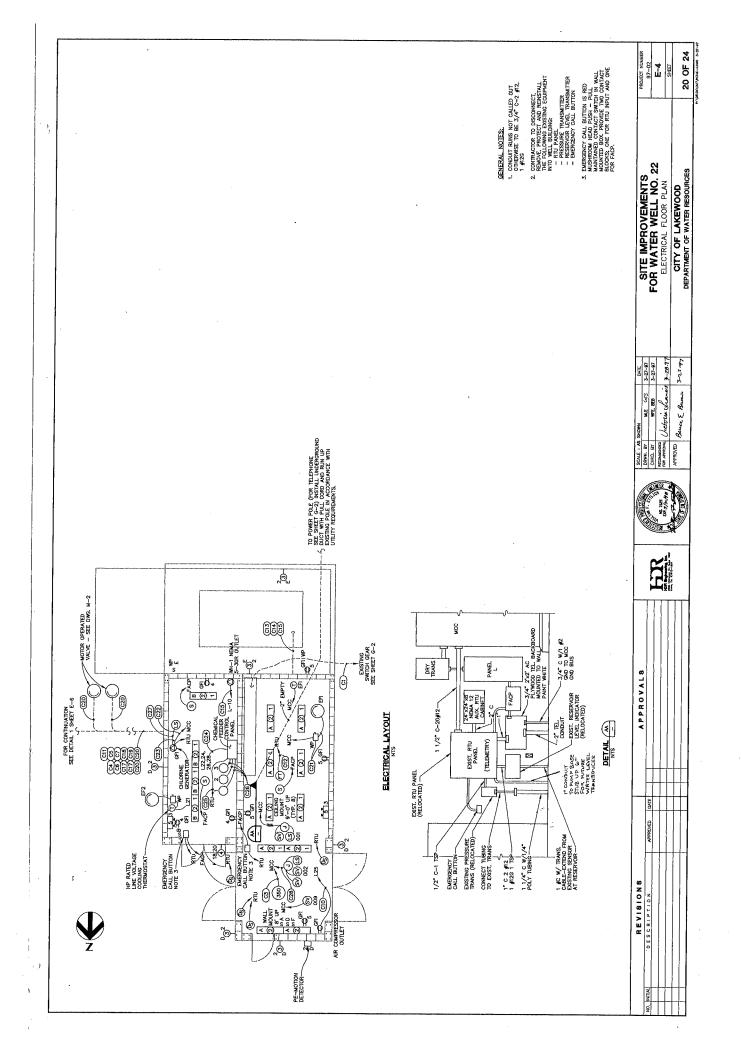
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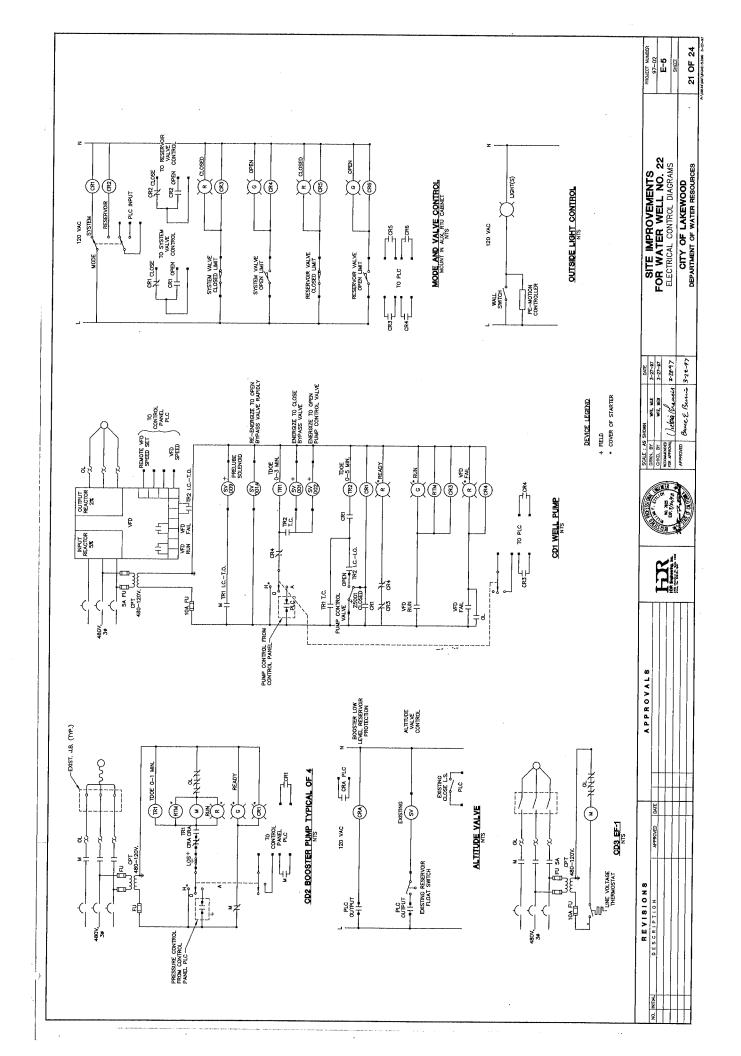
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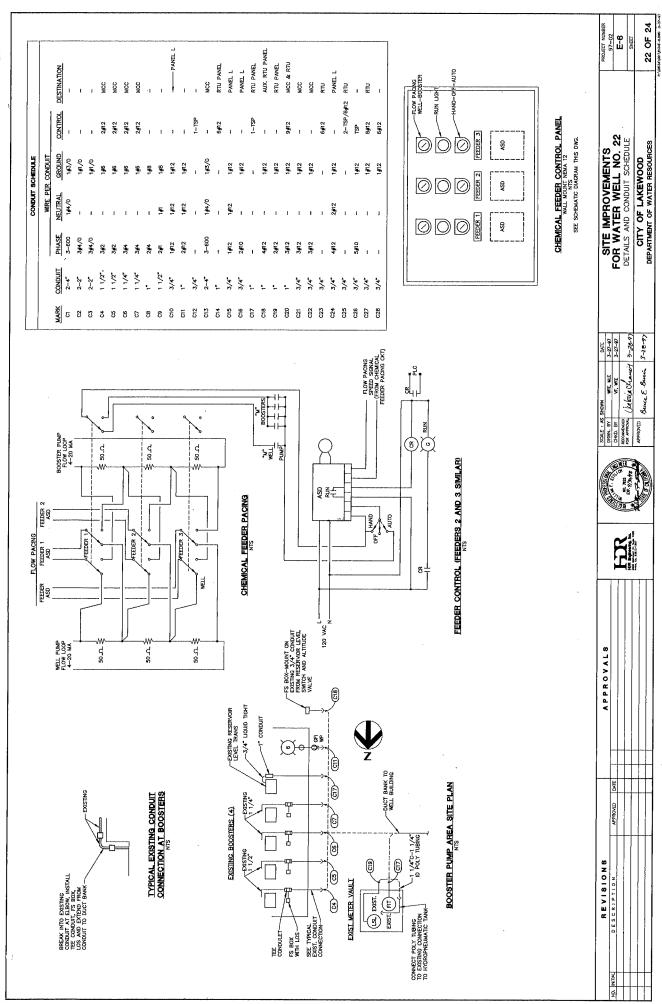
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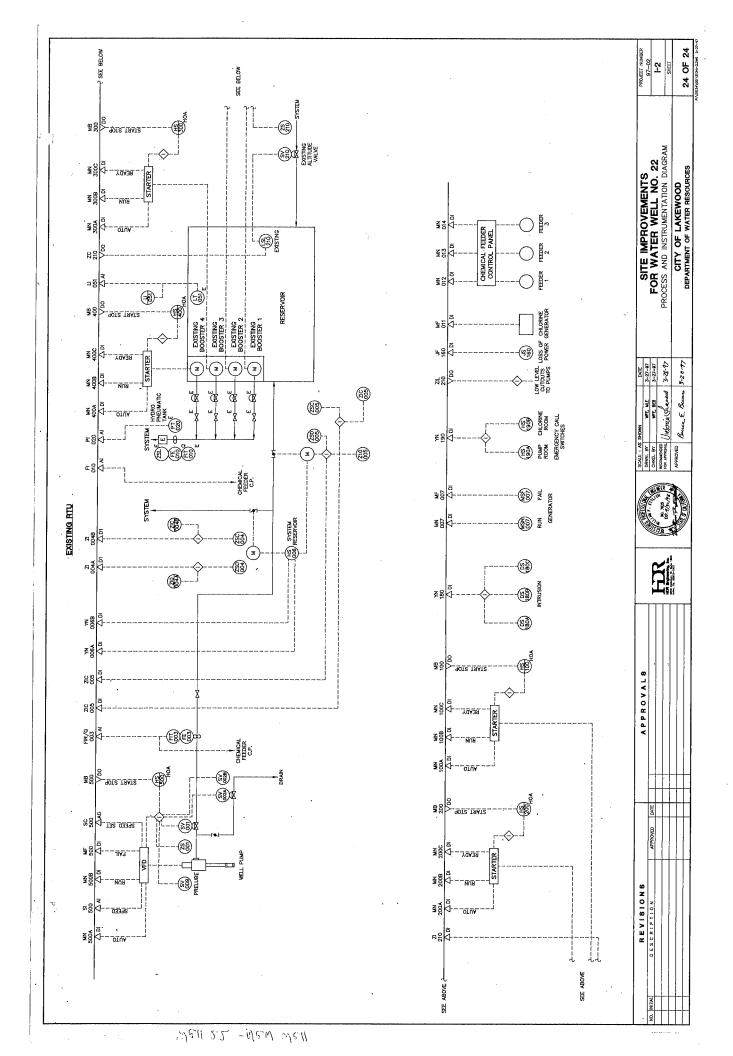
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CITY OF LAKEWOOD	
DEPARTMENT OF WATER RESOURCES	19 OF 24
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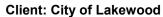




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	AUXILIARY PROCESS LINE	SYMBOL FUNCTION				
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Project Location: 3310 Candlewood Street, Lakewood CA 90712

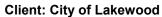




XRF LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS INSPECTION REPORT

				AINT AND ELAD				Results			
Reading N	Site	Room	Side	Component	Substrate	Condition	Color	Results	PbC	PbC Error	Units
1	Well 22A		CALIBRATE					Positive	0.7	0.1	mg / cm ^2
2	Well 22A		CALIBRATE					Positive	0.8	0.1	mg / cm ^2
3	Well 22A		CALIBRATE					Positive	0.6	0.1	mg / cm ^2
4	Well 22A	EXTERIOR	Α	DOOR	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
5	Well 22A	EXTERIOR	Α	DOOR FRAME	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
6	Well 22A	EXTERIOR	В	DOOR	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
7	Well 22A	EXTERIOR	В	DOOR FRAME	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
8	Well 22A	EXTERIOR	Α	DOOR	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
9	Well 22A	EXTERIOR	Α	DOOR FRAME	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
10	Well 22A	EASTSIDE	Α	DOOR	METAL	INTACT	BLACK	Negative	0	0.04	mg / cm ^2
11	Well 22A	EXTERIOR	В	SECURITY GATE	METAL	INTACT	BLACK	Negative	0	0.03	mg / cm ^2
12	Well 22A	EXTERIOR	D	DOOR	METAL	INTACT	TAN	Negative	0	0.04	mg / cm ^2
13	Well 22A	EXTERIOR	D	DOOR FRAME	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
14	Well 22A	EXTERIOR	Α	TRIM - UNDER E.	METAL	INTACT	TAN	Negative	0	0.03	mg / cm ^2
15	Well 22A	EXTERIOR	Α	EAVES	WOOD	INTACT	BROWN	Negative	0	0.04	mg / cm ^2
16	Well 22A	EXTERIOR	С	PLATFORM	METAL	INTACT	BLACK	Negative	0	0.03	mg / cm ^2
17	Well 22A	EXTERIOR	С	GENERATOR	METAL	INTACT	TAN	Negative	0.01	0.07	mg / cm ^2
18	Well 22A	EXTERIOR	С	GENERATOR	METAL	INTACT	TAN	Negative	0	0.04	mg / cm ^2
19	Well 22A	EXTERIOR	С	GENERATOR	METAL	INTACT	TAN	Negative	0.01	0.06	mg / cm ^2
20	Well 22A	EXTERIOR	В	PIPE	METAL	INTACT	BLUE	Negative	0	0.03	mg / cm ^2
21	Well 22A	EXTERIOR	A	DOOR	CMU	INTACT	NONE	Negative	0	0.03	mg / cm ^2
22	Well 22A		CALIBRATE					Positive	0.8	0.1	mg / cm ^2
23	Well 22A		CALIBRATE					Positive	0.8	0.1	mg / cm ^2

Project Location: 3310 Candlewood Street, Lakewood CA 90712





XRF LEAD-BASED PAINT AND LEAD-CONTAINING MATERIALS INSPECTION REPORT

										R	esults	
Rea	ding I	Site	Room	Side	Component	Substrate	Condition	Color	Results	PbC	PbC Error	Units
	24	Well 22A		CALIBRATE					Positive	0.7	0.1	mg / cm ^2

Inspection Comments:

This XRF inspection was performed on August 4, 2025 with a Niton XLp300 series lead detector, serial no. 25376