





SANTA FE COUNTY ROMERO PARK WATERLINE

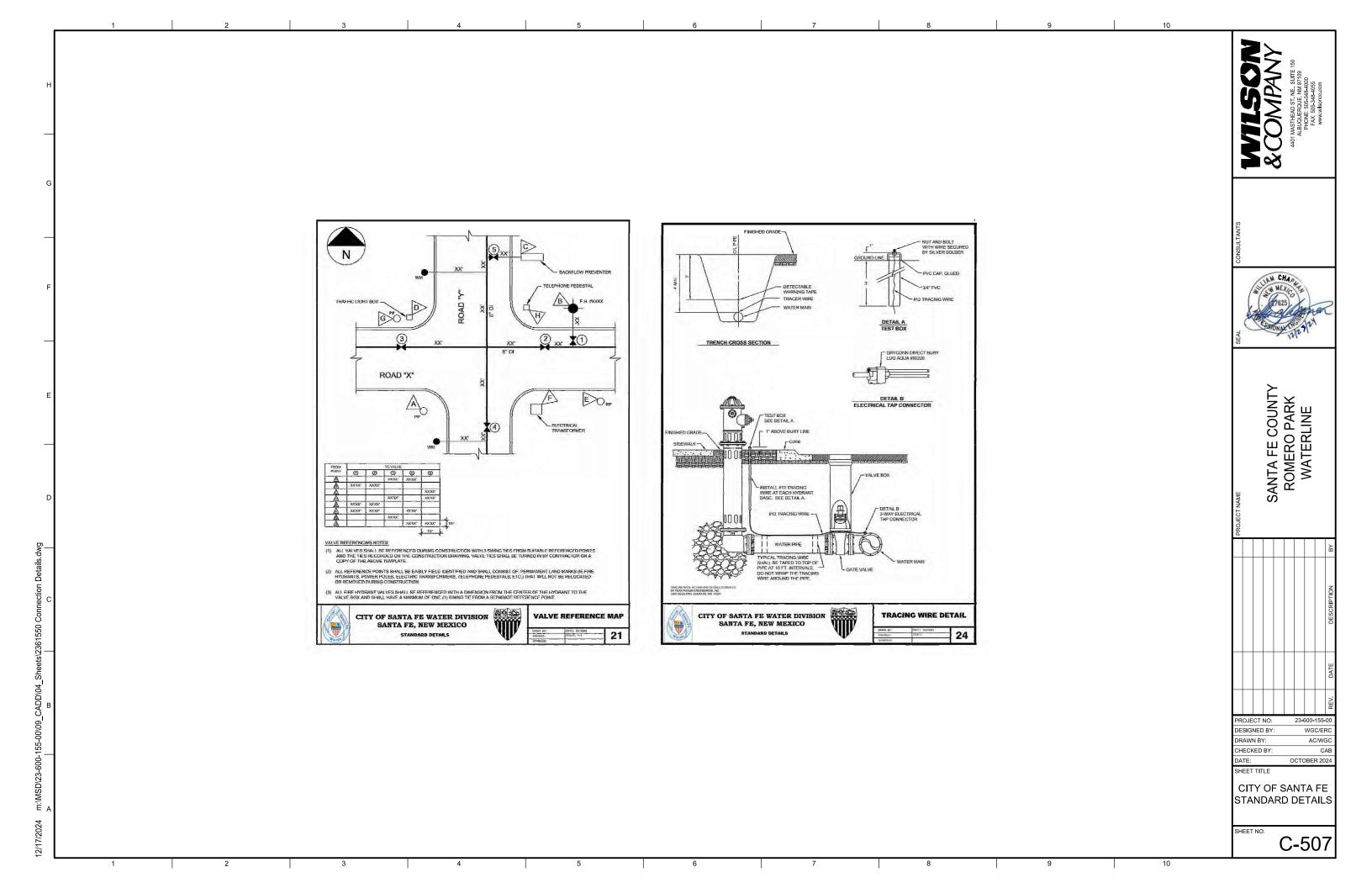
PROJECT NO: DESIGNED BY: WGC/ERC RAWN BY: AC/WGC CHECKED BY CAB OCTOBER 2024

SHEET TITLE

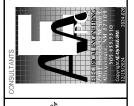
CITY OF SANTA FE STANDARD DETAILS

SHEET NO:

C-506



GENERAL NOTES

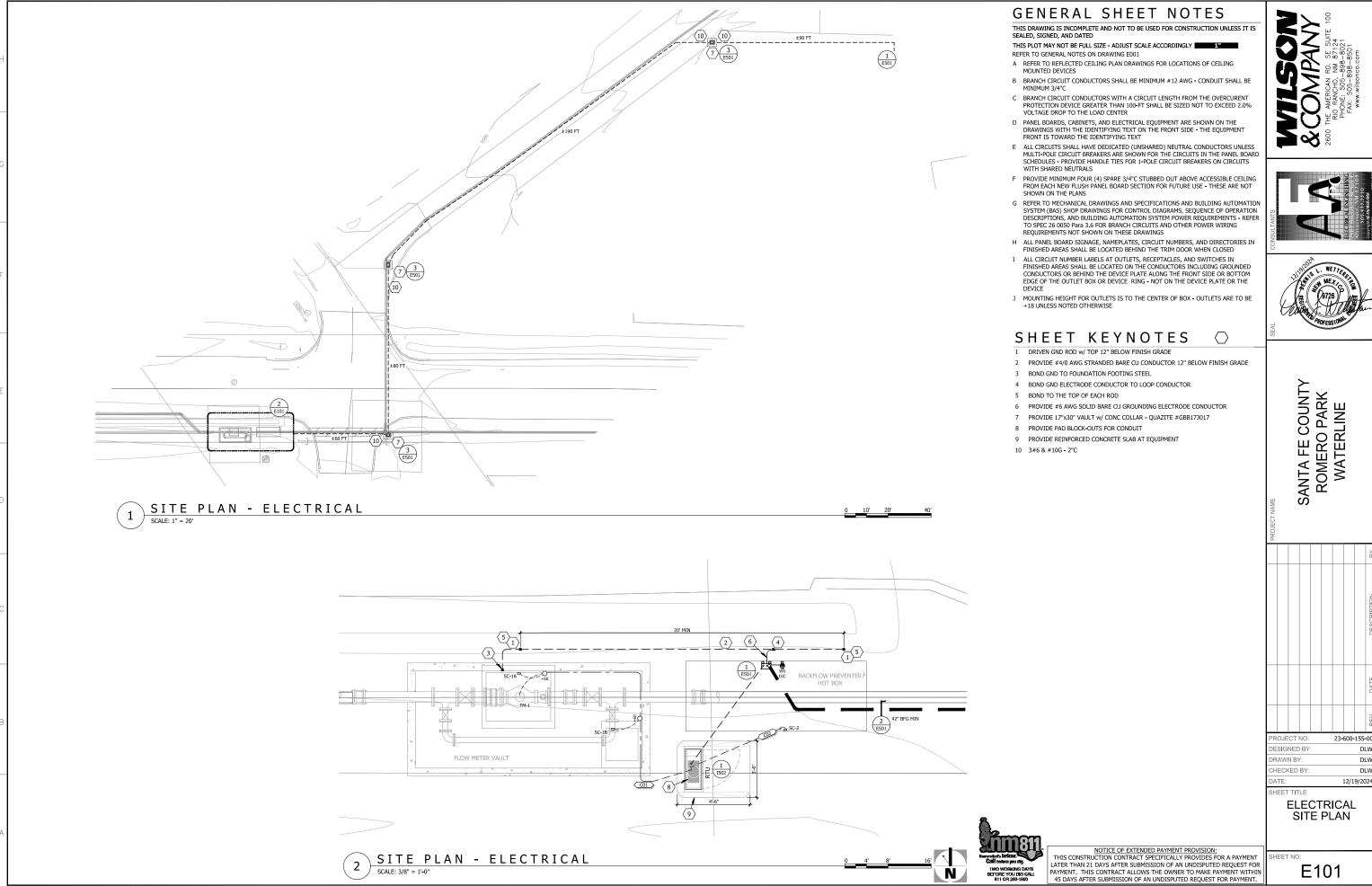




23-600-155-0

DLV 12/19/202 **ELECTRICAL INFORMATION**

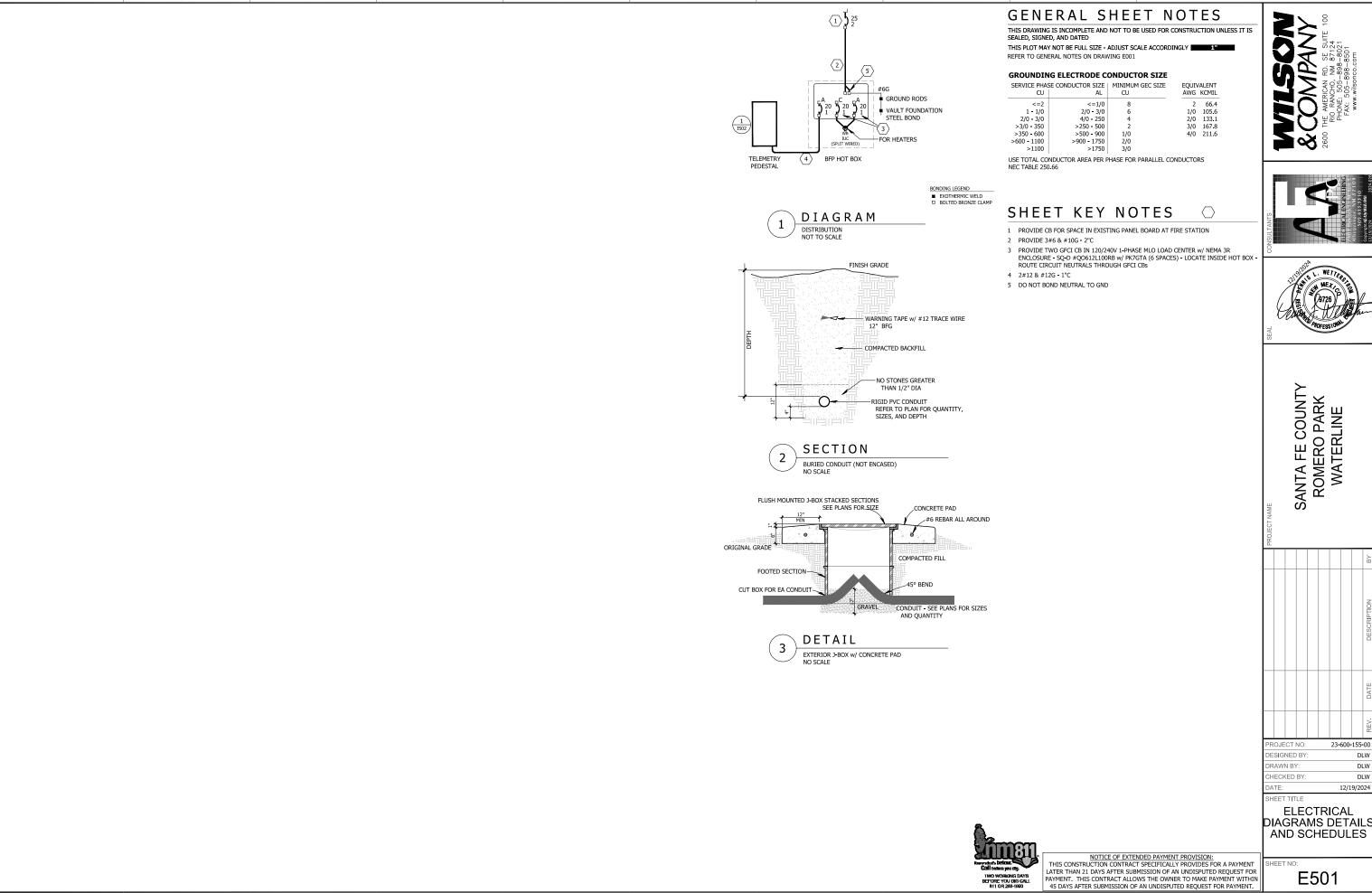
DLV

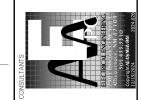






DLW DLV 12/19/2024

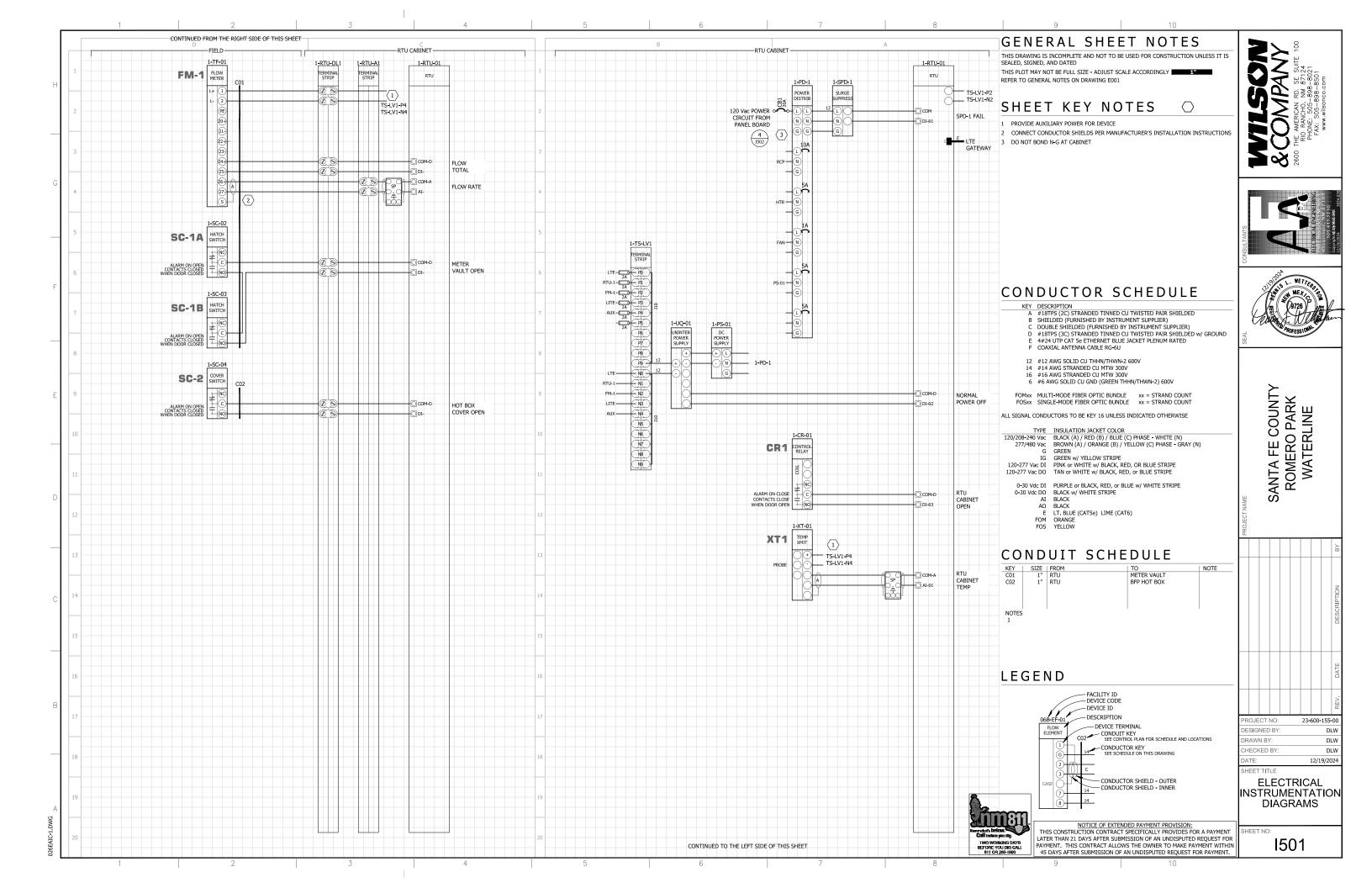






23-600-155-00

DLW DLW 12/19/2024



INSTRUMENTATION and CONTROL SCHEDULE

DEVICE				FIELD								PLC								
		LOCATION	POWER			INPUTS/OUTPUTS								CONTROL					NOTES	
1	DESCRIPTION		V-P	FROM	ССТ	TYPE	SEQ	DESCRIPTION	TO/ FROM	v	PORT ID	- WIRFTAG -	_	ONDUIT	FUNCTION	CRITERIA	ACTIONS	то	INDICATE	
											RACK SLOT PORT		TAG	SIZE						
1-1	s. FM1	METER VAULT		RTU		AI	1	FM1 FLOW RATE	RTU	24	021	1-TF-01-AI-1			FQI-01				GPM	
	-01 FLOW METER		24DC			DI	1	FM1 FLOW TOTAL		24	031	1-TF-01-DI-1	C01	3/4					1E6 GAL	
	TEOM FIETER					DI	2	FM1 FAULT		24	032	1-TF-01-DI-2			YA-01		ALARM VAULT-01	SCADA	FM1 FAULT	
1-5	+01 SC-1A/SC-1B HATCH SWITCHES	METER VAULT				DI	1	VAULT HATCHES	RTU	24	033	1-SC-01-DI-1	CO1	3/4	YI-01		ALARM VAULT-02	SCADA	VAULT HATCH OPEN	
1-5	-02 SC-2 COVER SWITCH	BFP HOT BOX				DI	1	HOT BOX COVER	RTU	24	034	1-SC-02-DI-1	C02	3/4	YI-03		ALARM BFP-01	SCADA	HOT BOX COVER OPEN	
1-5	-03 RTU CABINET SWITCH	RTU				DI	1	DOOR OPEN	RTU	24	035	1-SC-03-DI-1	-		YI-04		ALARM RTU-01	SCADA	RTU DOOR OPEN	
1-U	-01 RTU UPS	RTU				DI	1	UPS FAULT	RTU	24	036	1-UQ-01-DI-1	-		YI-05		ALARM RTU-02	SCADA	RTU UPS FAULT	
1-5	D-1 RTU SURGE	RTU				DI	1	SURGE FAULT	RTU	24	037	1-SPD-1-DI-1	-		YI-06		ALARM RTU-03	SCADA	RTU SURGE FAULT	

NOTES

GENERAL

LROX = LOCIC RELAY

X = MEASURED LEVEL

\$P = SET POINT

PLC = PLC AT RTU

R[V] = REWOTE 1/0

CONDUIT SIZES ARE FOR SINGLE DEVICE - SEE PLANS FOR 18C CONDUITS

SCADA ALARM SCHEDULE

<u> </u>	ONDA ALA	KII SCHEDGEE								
ALARM ID	DESCRIPTION/DISPLAY	ACTIONS	LOG	NOTE						
VAULT-01	FM1 FAULT									
VAULT-02	VAULT HATCH OPEN									
BFP-01	HOT BOX COVER OPEN									
RTU-01	RTU DOOR OPEN									
RTU-02	RTU UPS FAULT									
RTU-03	RTU SURGE FAULT									

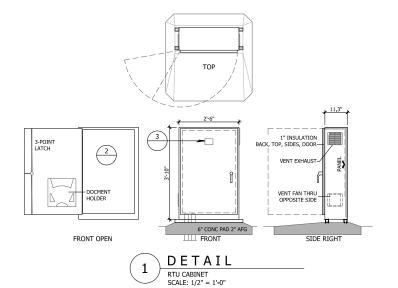
NOTES
GENERAL
ALL ALARMS TO BE DISPLAYED ON HMI
ALL ALARMS AND END OF ALARMS ARE TO BE LOGGED W/ DATE & TIME
ALL ALARMS AND END OF ALARMS ARE TO BE TRANSMITTED TO WATER OPERATIONS SCADA

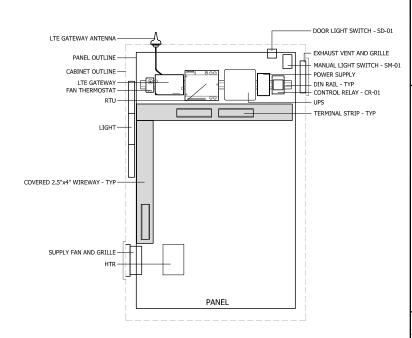
SPD PS1 — 24 Vdc — UPS LTE -



DIAGRAM

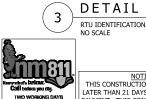
METER STATION MONITOR PANEL - POWER NO SCALE







ENGRAVED WHITE ON BLUE - ALL FONTS SHALL BE ARIAL BOLD



RTU IDENTIFICATION NAMEPLATE NO SCALE

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONSTRUCTION CONTRACT SPECIFICALLY PROVIDES FOR A PAYMENT
LATER THAN 2.1 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT. THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN
45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.





SANTA FE COUNTY ROMERO PARK WATERLINE



HEET TITLE ELECTRICAL INSTRUMENTATION DETAILS AND SCHEDULES

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