



WATER RESOURCE ENGINEERING ASSOCIATES

**CONSULTING CIVIL AND ENVIRONMENTAL ENGINEERS IN WATER AND WASTEWATER
COLLECTION, CONSERVATION, DISTRIBUTION AND TREATMENT**

June 29, 2020

Job No. 3329

Attn: PROSPECTIVE BIDDERS

**Re: Bid 626 Rio Mesa High School Well #3 Piping Retrofit
BID ADDENDUM #1 – SUPPLEMENTAL ELECTRICAL IMPROVEMENTS
Oxnard Union High School District**

Please see additional clarifications / supplemental information contained herein for electrical improvements associated with the project bid package.

Attachments: 1) ELECTRICAL SCOPE OF WORK
 2) ELECTRICAL ONE LINE DIAGRAM
 3) CONCEPTUAL ELECTRICAL CONDUIT PLAN SKETCH
 4) PHOTO – EXISTING MAIN BREAKER PANEL
 5) PHOTO – EXISTING PANEL FOR NEW CIRCUIT BREAKER

Bid 626 Rio Mesa High School Well #3 Piping Retrofit

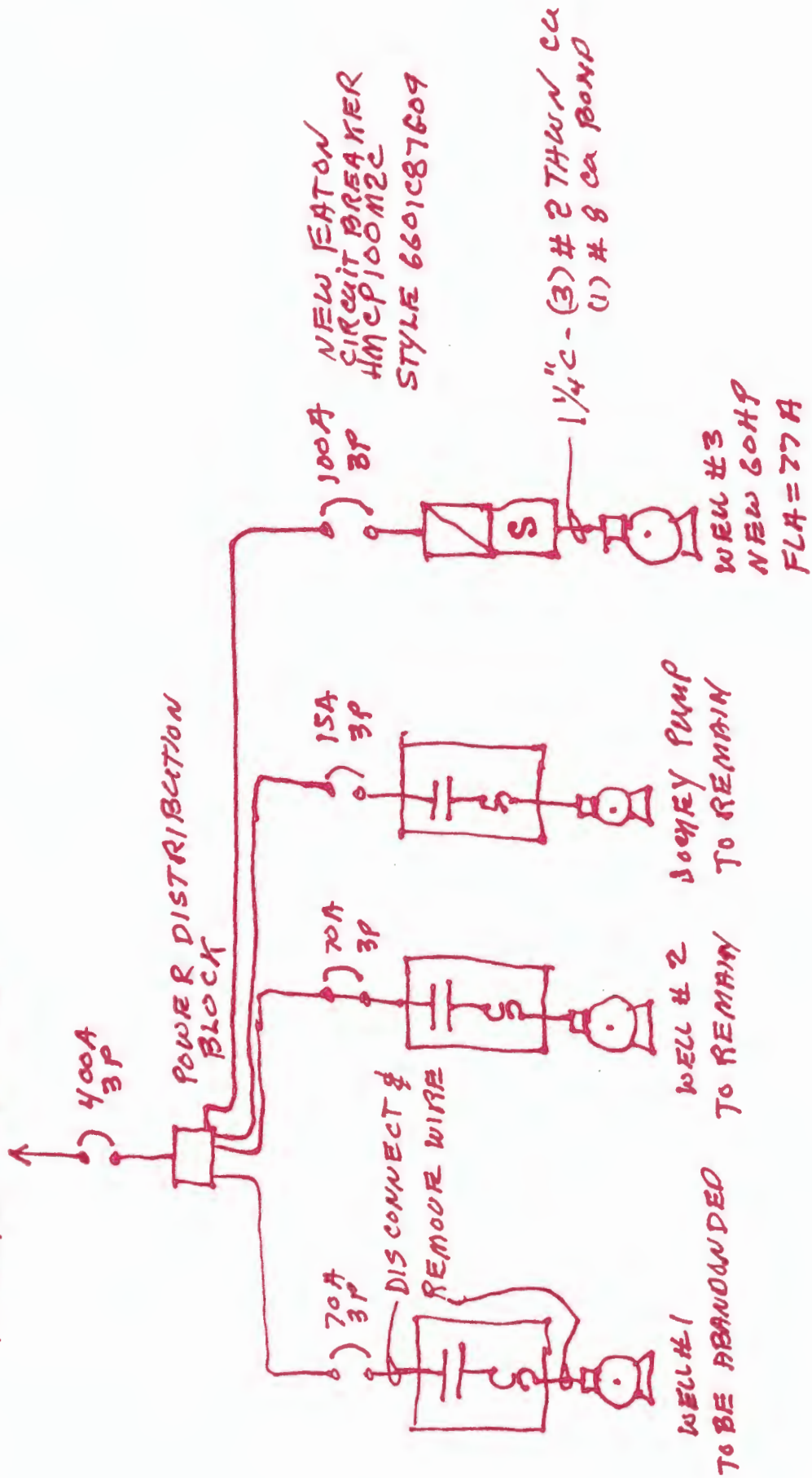
ADDENDUM #1 – SUPPLEMENTAL ELECTRICAL IMPROVEMENTS INFORMATION

ATTACHMENT 1 - ELECTRICAL SCOPE OF WORK

1. CONTRACTOR SHALL SUBMIT DETAILED DESIGN-BUILD SHOP DRAWINGS OF PROPOSED ELECTRICAL/ CONTROLS CONDUIT ALIGNMENTS FOR APPROVAL.
2. FURNISH AND INSTALL A NEW 100A CIRCUIT BREAKER OF THE SAME TYPE AND MANUFACTURER (EATON) AS THE EXISTING WELL #1 & 2 CIRCUIT BREAKERS.
3. DISCONNECT AND REMOVE THE WIRES FROM WELL #1 CIRCUIT BREAKER TO WELL #1 MOTOR STARTER AND WELL #1 PUMP.
4. FURNISH AND INSTALL A NEW DANFOSS FC202 VFD, AS SPECIFIED ON DWG #2, FOR WELL #3.
5. FURNISH AND INSTALL CONCRETE PAD FOR VFD AS SPECIFIED ON DWG. #3
6. FURNISH AND INSTALL WIRES AND CONDUITS AS SHOWN ON ELECTRICAL DRAWINGS.
7. CONTRACTOR SHALL CONTRACT DIRECTLY WITH TESCO CONTROLS, INC. TO TERMINATE CONTROL WIRES, PROGRAM VFD, MAKE PROGRAM CHANGES TO WATER SYSTEM CONTROLER AND COMMISION WELL #3 PUMPING SYSTEM. CONTACT INFO: TESCO Southern California, 42015 Remington Ave., Suite 102, Temecula, CA 92590, (951) 308-6450.

ELECTRICAL ONE LINE

TO SCHOOL SERVICE



POWER DISTRIBUTION BLOCK

NEW FEATON
 CIRCUIT BREAKER
 HMCP100M2C
 STYLE 6601C87609

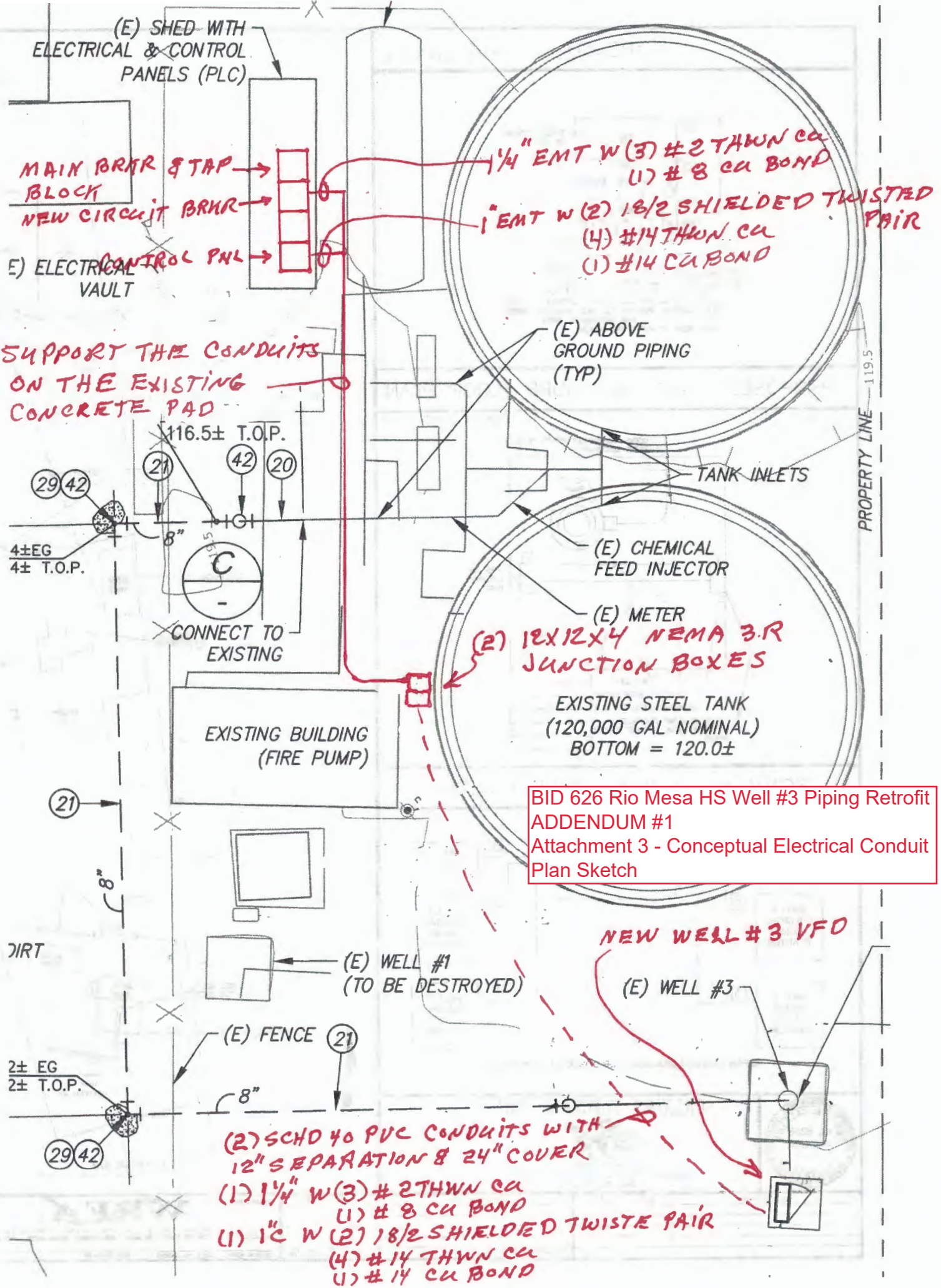
1 1/4" c - (3) # 2 THWN cu
 (1) # 8 ca BOND

WELL #3
 NEW 60HP
 FLA=27A

DOCKEY PUMP
 TO REMAIN

WELL #2
 TO REMAIN

WELL #1
 TO BE ABANDONED



(E) SHED WITH ELECTRICAL & CONTROL PANELS (PLC)

MAIN BRKR & TAP BLOCK
NEW CIRCUIT BRKR

(E) ELECTRICAL CONTROL PNL
ELECTRICAL VAULT

SUPPORT THE CONDUITS ON THE EXISTING CONCRETE PAD

1/4" EMT W (3) #2 THWN CU
(1) #8 CU BOND
1" EMT W (2) 18/2 SHIELDED TWISTED PAIR
(4) #14 THWN CU
(1) #14 CU BOND

(E) ABOVE GROUND PIPING (TYP)

TANK INLETS

(E) CHEMICAL FEED INJECTOR

(E) METER

(2) 12x12x4 NEMA 3-R JUNCTION BOXES

EXISTING STEEL TANK
(120,000 GAL NOMINAL)
BOTTOM = 120.0±

BID 626 Rio Mesa HS Well #3 Piping Retrofit
ADDENDUM #1
Attachment 3 - Conceptual Electrical Conduit Plan Sketch

EXISTING BUILDING (FIRE PUMP)

(E) WELL #1 (TO BE DESTROYED)

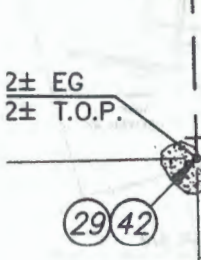
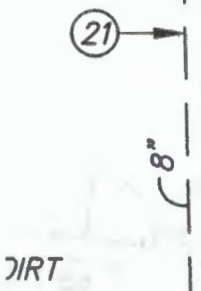
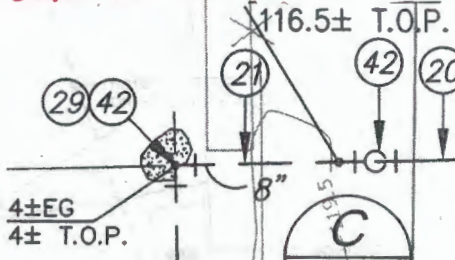
NEW WELL #3 VFD

(E) WELL #3

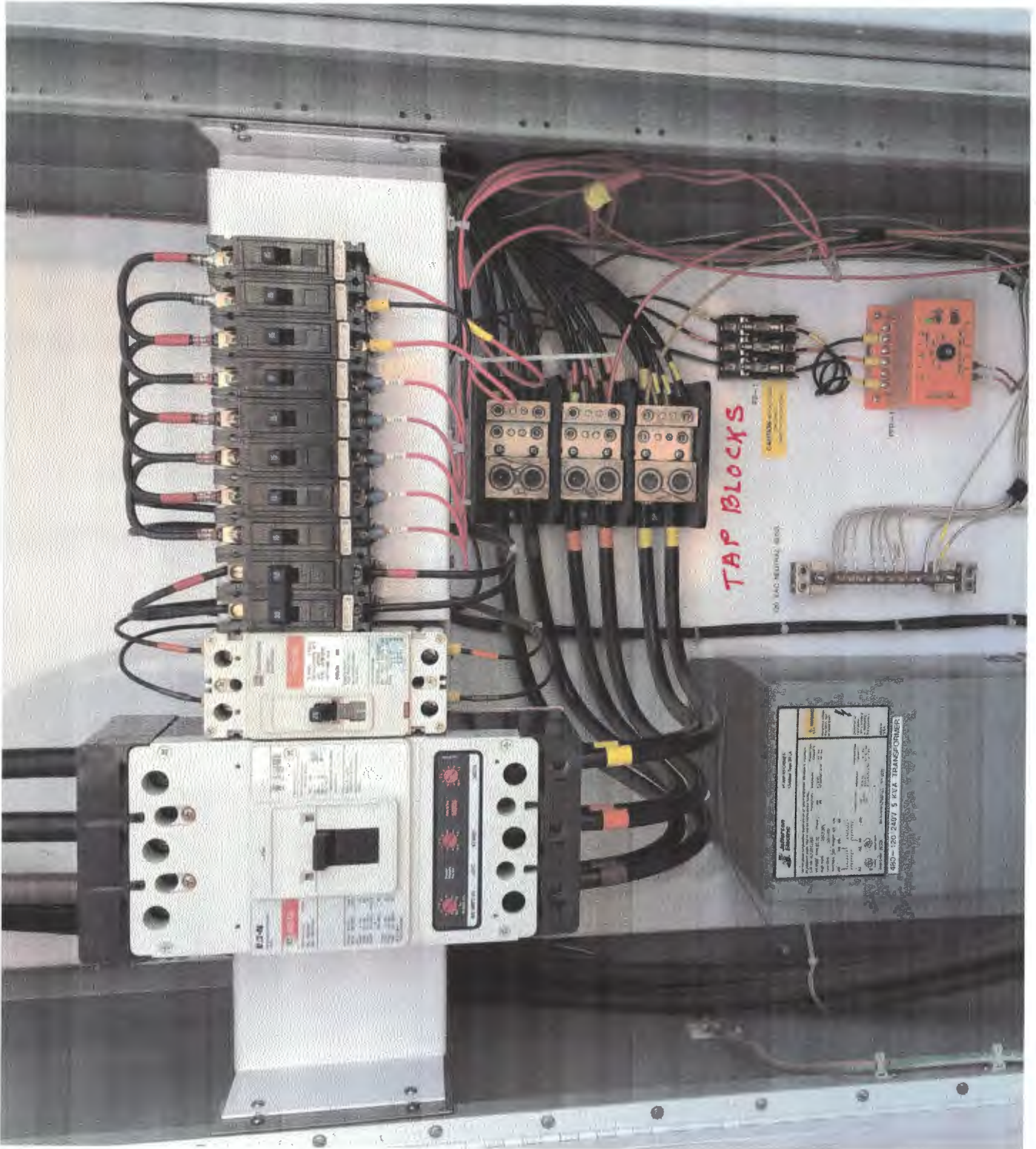
(2) SCHED 40 PVC CONDUITS WITH 12" SEPARATION & 24" COVER

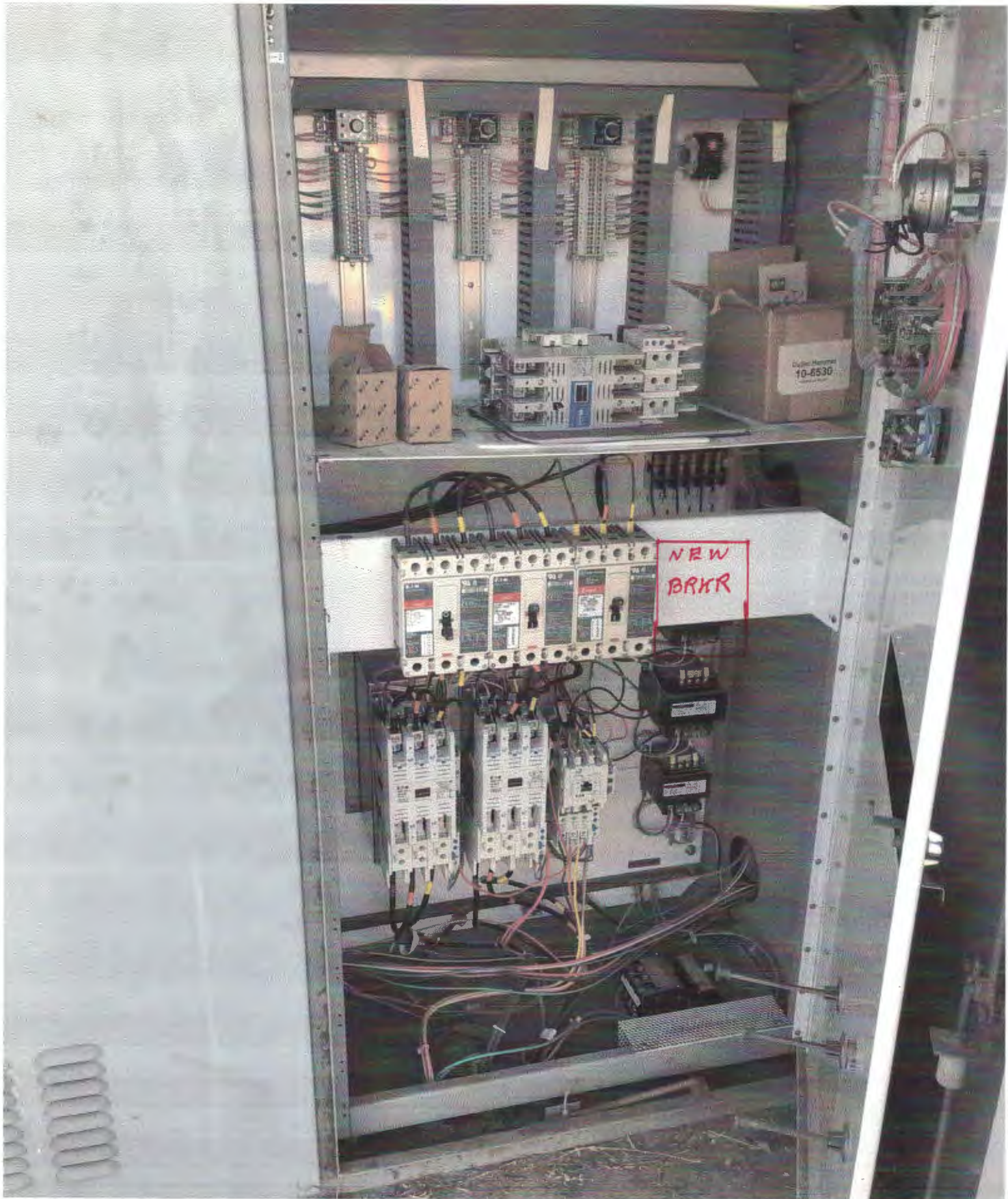
(1) 1/4" W (3) #2 THWN CU
(1) #8 CU BOND
(1) 1" W (2) 18/2 SHIELDED TWISTE PAIR
(4) #14 THWN CU
(1) #14 CU BOND

PROPERTY LINE - 119.5



BID 626 Rio Mesa HS Well #3 Piping Retrofit
ADDENDUM #1
Attachment 4 - Photo - Existing Main Breaker Panel





BID 626 Rio Mesa HS Well #3 Piping Retrofit
ADDENDUM #1
Attachment 5 - Photo - Existing Panel for New Circuit Breaker