



Date: July 11, 2024
To: Anthony P. Esson Architect
Project Name: Johannesburg Lewiston Area Schools (JLAS) 2024 Projects
Bid Package #1 – Johannesburg Water Well Upgrades
JLK Project Number: AEA 2402
Prepared by: Justin Kowatch, PE
Addendum Number: #1 – Electrical Items

ADDENDUM

This Addendum is being issued for the purpose of modifying and/or clarifying the original Bidding Documents and shall take precedence over them.

Each Bidder's proposal shall include the work described herein. All requirements contained in the Contract Documents shall apply to this Addendum. All incidental work necessary to complete the Work shall be included in the Contractor's quotation even though not particularly mentioned.

Parts of the Specifications and Drawings referred to herein supersede previously issued data and form a part of this Addendum.

Supplemental Documents Issued with this Addendum:

Specifications –
None.

Drawings –
JLAS BP#1 Wellhouse Electrical Rebid Plans: E1.1 & E2.1, both dated 7/11/2024.

MECHANICAL ADDENDUM ITEMS

None.

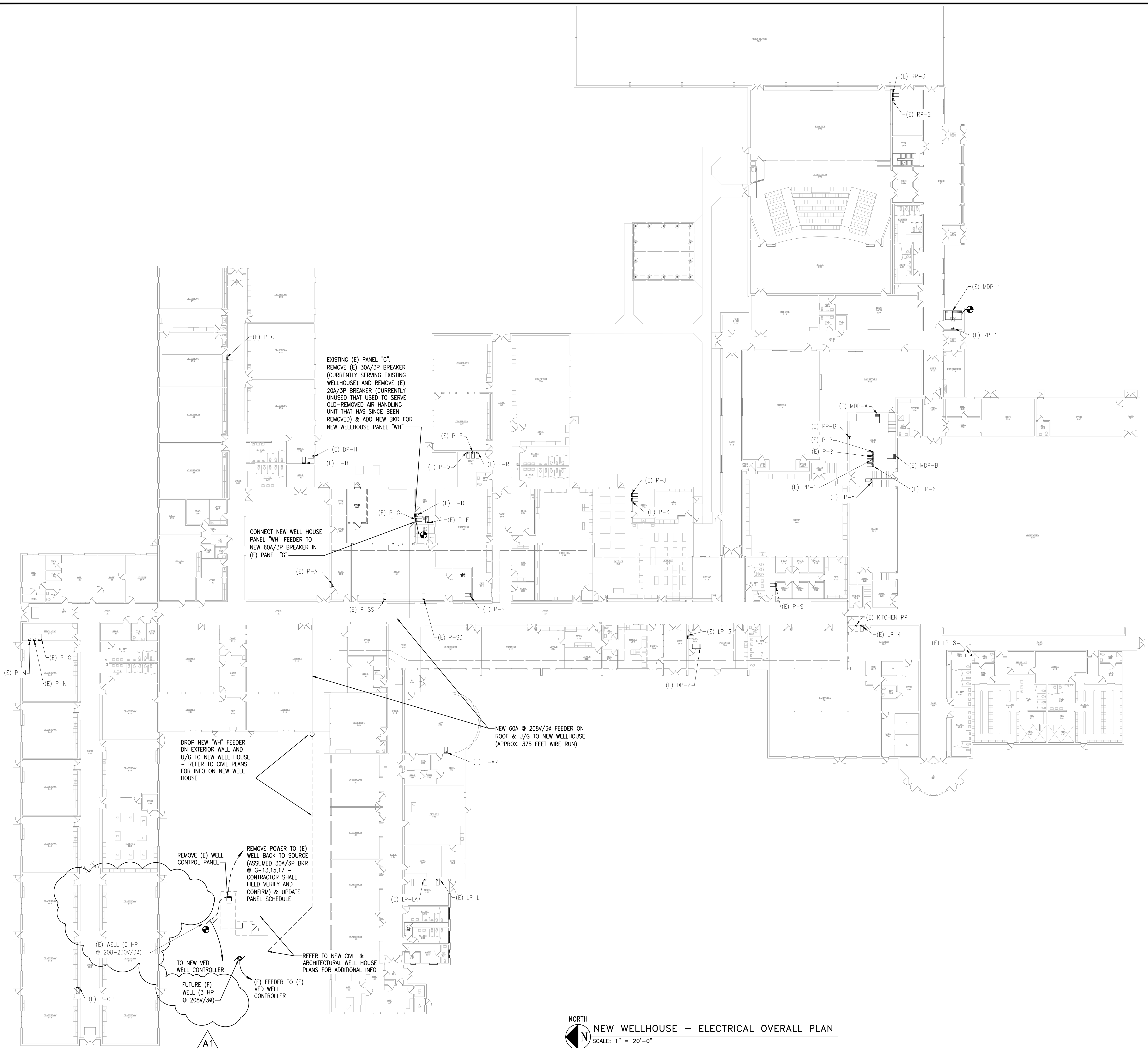
ELECTRICAL ADDENDUM ITEMS

E1. Electrical Modifications: Refer to Bid Pack#1 - Wellhouse Electrical Rebid drawings E1.1 & E2.1, all of which are revised and re-issued as part of this bulletin, and note the following changes:

- A. Clarified that the existing well is 5 hp and changed breaker size from 20A/3P to 35A/3P.

End of Addendum -

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EXISTING (E) PANEL "G":
 REMOVE (E) 30A/3P BREAKER
 (CURRENTLY SERVING EXISTING
 WELLHOUSE) AND REMOVE (E)
 20A/3P BREAKER (CURRENTLY
 UNUSED THAT USED TO SERVE
 OLD-REMOVED AIR HANDLING
 UNIT THAT HAS SINCE BEEN
 REMOVED) & ADD NEW BKR FOR
 NEW WELLHOUSE PANEL "WH"

CONNECT NEW WELL HOUSE
 PANEL "WH" FEEDER TO
 NEW 60A/3P BREAKER IN
 (E) PANEL "G"

DROP NEW "WH" FEEDER
 DN EXTERIOR WALL AND
 U/G TO NEW WELL HOUSE
 - REFER TO CIVIL PLANS
 FOR INFO ON NEW WELL
 HOUSE

NEW 60A @ 208V/3Ø FEEDER ON
 ROOF & U/G TO NEW WELLHOUSE
 (APPROX. 375 FEET WIRE RUN)

REMOVE (E) WELL
 CONTROL PANEL

REMOVE POWER TO (E)
 WELL BACK TO SOURCE
 (ASSUMED 30A/3P BKR
 @ G-1,3,15,17 -
 CONTRACTOR SHALL
 FIELD VERIFY AND
 CONFIRM) & UPDATE
 PANEL SCHEDULE

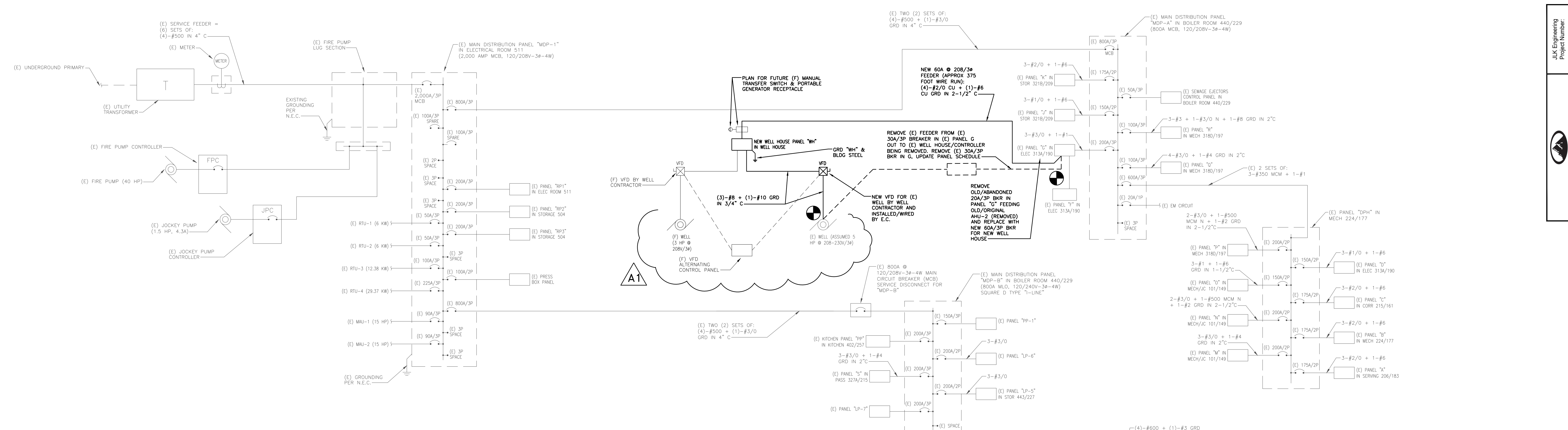
TO NEW VFD
 WELL CONTROLLER

FUTURE (F)
 WELL (3 HP
 @ 208V/3Ø)

(F) FEEDER TO (F)
 VFD WELL
 CONTROLLER

REFER TO NEW CIVIL &
 ARCHITECTURAL WELL HOUSE
 PLANS FOR ADDITIONAL INFO

NORTH
 NEW WELLHOUSE - ELECTRICAL OVERALL PLAN
 SCALE: 1" = 20'-0"



PANEL: (E) G		225A MLO	BUSING SIZE: 225A	FED FROM: (E) MDP-A		
# OF POLES: 30	VOLTS: 208/3P/3W	NEUTRAL BUS: 225A	MOUNTING: SURFACE			
PHASE: 3	GROUND BUS: YES	TVSS: NO	AIC RMS AMPS: 14,000			
HERTZ: 60	ISOLATED GROUND: NO	REMARKS: THIS IS AN EXISTING (E) PANEL LOCATED IN EXISTING ELEC CLOSET 190 NEAR WOOD SHOP				
LOCATION: (E) ELEC ROOM 313A/190						
CIRCUIT	BREAKER	DESCRIPTION	A	B	C	
1	(E) 15	(E) SHAKER IN WOOD SHOP	1450	1450	1450	
3	-	-	-	-	-	
5	-	-	-	-	-	
7	-	NEW SPACE - REMOVE OLD 20A/3P BKR (OLD AHU-2)	0	0	0	
9	-	NEW SPACE - REMOVE OLD 20A/3P BKR (OLD AHU-2)	0	0	0	
11	-	NEW SPACE - REMOVE OLD 20A/3P BKR (OLD AHU-2)	0	0	0	
13	(E) 45	(E) SPARE	0	0	0	
15	-	-	-	-	-	
17	-	-	-	-	-	
19	(E) 100	TO (E) SUB PANEL F	9600	9600	9600	
21	-	-	-	-	-	
23	-	-	-	-	-	
25	(E) 20	(E) DUST COLLECTOR SHAKER	1560	1560	1560	
27	-	-	-	-	-	
29	-	(E) SPACE	0	0	0	
2	(E) 20	(E) SPARE	0	0	0	
4	-	-	-	-	-	
6	-	-	-	-	-	
8	(E) 20	(E) SPARE	0	0	0	
10	-	-	-	-	-	
12	-	-	-	-	-	
14	NEW 60	NEW 60A/3P BKR TO FEED NEW WELL HOUSE PANEL "WH"	5282	5282	5282	
16	-	-	-	-	-	
18	-	-	-	-	-	
20	-	NEW SPACE-REMOVE 30A/3P BKR (OLD WELLHOUSE)	0	0	0	
22	-	NEW SPACE-REMOVE 30A/3P BKR (OLD WELLHOUSE)	0	0	0	
24	-	NEW SPACE-REMOVE 30A/3P BKR (OLD WELLHOUSE)	0	0	0	
26	(E) 60	(E) DUST COLLECTOR	5400	5400	5400	
28	-	-	-	-	-	
30	-	-	-	-	-	
KVA: 68			CONNECTED AMPS: 164.3	PHASE WATTS: 23,292	23,292	21,732
DEMAND KVA: 65			DEMAND AMPS: 156.1			

PANEL: WH		60A MCB	BUSING SIZE: 100A	FED FROM: (E) PANEL G		
# OF POLES: 30	VOLTS: 120-208/3P/4W	NEUTRAL BUS: 100A	MOUNTING: SURFACE			
PHASE: 3	GROUND BUS: YES	TVSS: NO	AIC RMS AMPS: 14,000			
HERTZ: 60	ISOLATED GROUND: NO	REMARKS: ELECTRICAL ROOM 190 NEAR SHOP				
LOCATION: NEW WELLHOUSE						
CIRCUIT	BREAKER	DESCRIPTION	A	B	C	
1	20	LIGHTING FOR WELL HOUSE	116.2			
3	20	RECEPT FOR VFD ALTERNATING CONTROL PANEL		180		
5	20	RECEPTS - NEW WELL HOUSE			1080	
7	30	ELEC UNIT HEATER (3.75 KW @ 208/1P)	1875	1875		
9	-	-	-	-	-	
11	20	EXHAUST FAN (1/6 HP & 4A @ 115V) & INTAKE DAMPER	0	0	480	
13	-	-	-	-	-	
15	-	-	-	-	-	
17	-	-	-	-	-	
19	-	-	-	-	-	
21	-	-	-	-	-	
23	-	-	-	-	-	
25	-	-	-	-	-	
27	-	-	-	-	-	
29	-	-	-	-	-	
2	(F) BKR	FUTURE (F) WELL PUMP WP-N (3 HP & 11 FLA @ 208V/3P)	1380			
4	-	-	-	1380		
6	-	-	-		1380	
8	35	(E) WELL PUMP WP-E (ASSUMED 5 HP & 17 FLA @ 208V/3P)	2040			
10	-	-	-	2040		
12	-	-	-		2040	
14	-	-	-	0	0	
16	-	-	-	0	0	
18	-	-	-	0	0	
20	-	-	-	0	0	
22	-	-	-	0	0	
24	-	-	-	0	0	
26	-	-	-	0	0	
28	-	-	-	0	0	
30	-	-	-	0	0	
KVA: 16			CONNECTED AMPS: 44.0	PHASE WATTS: 5,411	5,475	4,960
DEMAND KVA: 16			DEMAND AMPS: 44.0			

NEW WELLHOUSE - ELECTRICAL 1-LINE DIAGRAM
 NO SCALE

