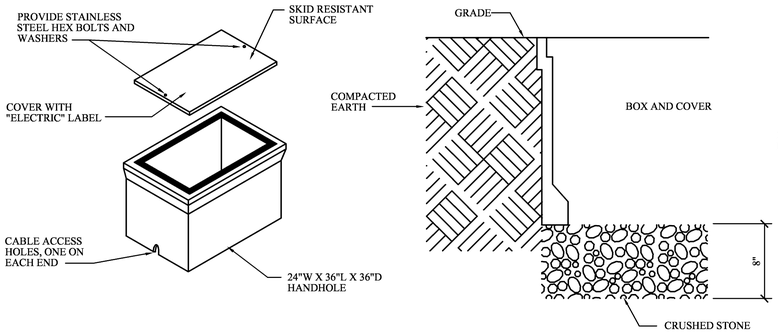


HANDHOLE REQUIREMENTS:

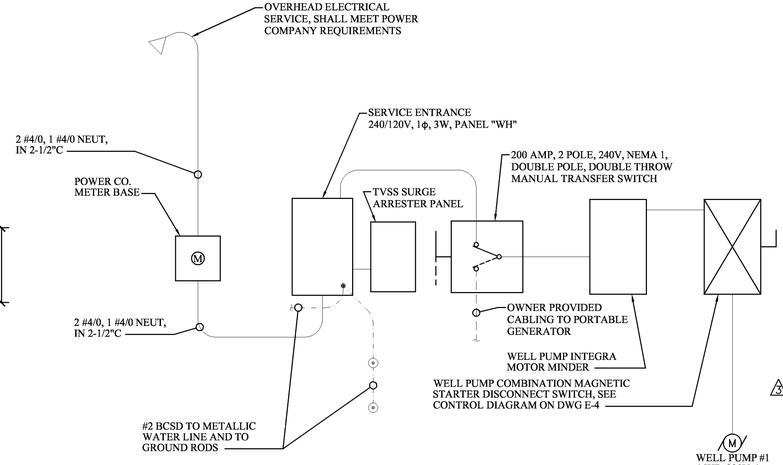
1. HOUSING SHALL BE POLYMER CONCRETE REINFORCED WITH A HEAVY FIBERGLASS REINFORCING WITH COMPRESSIVE STRENGTH OF NO LESS THAN 10,000 PSI

2. COVER SHALL WITHSTAND A SERVICE LOAD OF NO LESS THAN 15,000 LBS OVER A 10" X 10" AREA FOR HEAVY DUTY LOADING.

3. PROVIDE STAINLESS STEEL BOLTS AND INSERTS.

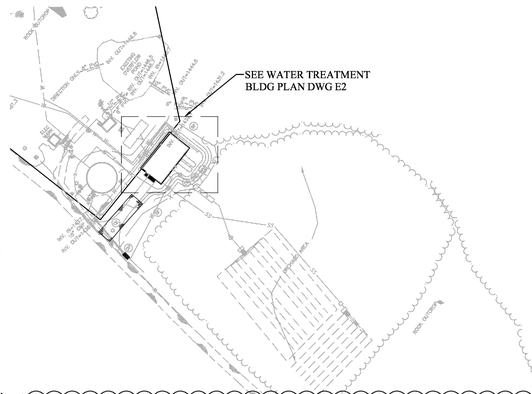
COMPOSITE FIBERGLASS HANDHOLE/PULLBOX

NOT TO SCALE



WELL HOUSE #1 ELECTRIC SERVICE RISER DIAGRAM

NOT TO SCALE

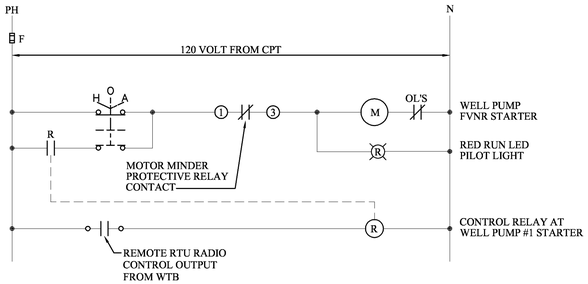


PANEL "WTA" SCHEDULE

PANELBOARD CHARACTERISTICS:
VOLTS: 120/240
PHASES: 1
WIRES: 3
SOLID NEUTRAL, GROUND BAR

PHASE TO PHASE VOLTS: 240
PHASE TO NEUT. VOLTS: 120
100 AMP MAIN LUGS ONLY
MINIMUM SHORT CIRCUIT RATING: 10,000 RMS SYM AMPS
WATER TREATMENT

CKT. NO.	POLE NO.	DESCRIPTION	LOAD TYPE	CONN. KVA	CONN. AMPS A	CONN. AMPS B	BREAKER P	BREAKER AT	NO. & WIRE SIZE PHASE	NEUT.	GND	COND. SIZE
1	1	SPARE					1	20				
3	3	SPARE					1	20				
5	5	SPARE					1	20				
7	7	SPARE					1	20				
9	9	SPARE					1	20				
11	11	SPARE					1	20				
13	13	SPARE					1	20				
15	15	SPARE					1	20				
17	17	SPARE					1	20				
2	2	SPARE					2	20				
	4											
6	6	SPARE					2	30				
	8											
10	10	SPARE					1	20				
12	12	SPARE					1	20				
14	14	SPARE					1	20				
16	16	SPARE					1	20				
18	18	SPARE					1	20				
		TOTALS										



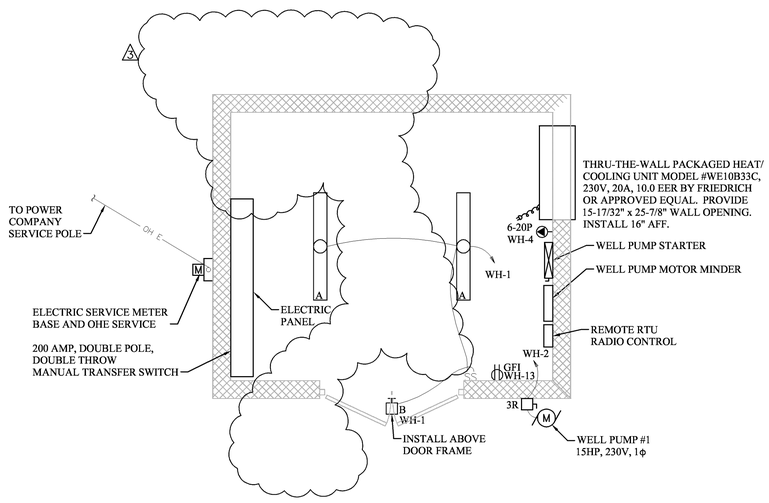
WELL PUMP #1 CONTROL DIAGRAM

PANEL "WH" SCHEDULE

PANELBOARD CHARACTERISTICS:
VOLTS: 120/240
PHASES: 1
WIRES: 3
SOLID NEUTRAL, GROUND BAR

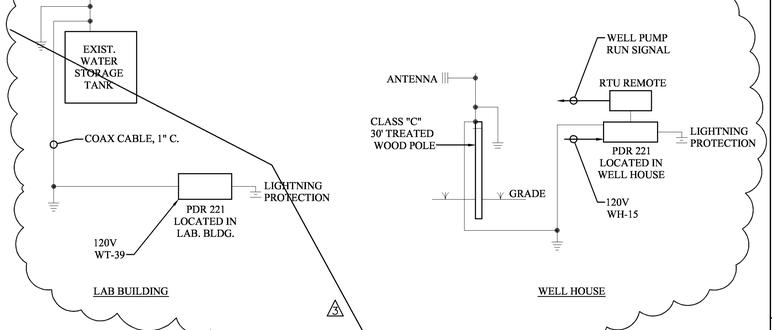
PHASE TO PHASE VOLTS: 240
PHASE TO NEUT. VOLTS: 120
200 AMP MAIN CIRCUIT BREAKER
MINIMUM SHORT CIRCUIT RATING: 14,000 RMS SYM AMPS
"WELL HOUSE"

CKT NO.	POLE NO.	DESCRIPTION	LOAD TYPE	CONN. KVA	CONN. AMPS A	CONN. AMPS B	BREAKER P	BREAKER AT	NO. & WIRE SIZE PHASE	NEUT.	GND	COND. SIZE
1	1	LIGHTS	E	1.0	8.3		1	20	12	12	12	3/4"
3	3	SPARE					1	20				
5	5	HEAT PUMP - PACKAGED	M	3.0	12.5		2	20	12		12	3/4"
	7					12.5						
9	9	TVSS PANEL	E				2	60	6	6	6	1"
	11								6			
13	13	RECEPTACLE	R	0.6	5.0		1	20	12	12	12	3/4"
15	15	RADIO PDR & RTU	E	0.2		1.7	1	20	12	12	12	3/4"
17	17	SPARE					1	20				
19	19	SPARE					1	20				
21	21	SPARE					1	20				
23	23	SPARE					1	20				
25	25	SPARE					1	20				
27	27	SPARE					1	20				
29	29	SPARE					1	20				
31	31	SPARE					1	20				
33	33	SPARE					1	20				
35	35	SPARE					1	20				
37	37	SPARE					1	20				
39	39	SPARE					1	20				
2	2	WELL PUMP #1 - 15.0HP	E	18.4	76.7		2	150	1	-	6	1 1/2"
	4					76.7			1			
6	6	TIMER					2	20	12	-	12	3/4"
	8								12			
10	10	SHOP	E				2	30	10	10	10	1"
	12								10			
14	14	SPACE & BUS					1					
16	16	SPACE & BUS					1					
18	18	SPACE & BUS					1					
20	20	SPACE & BUS					1					
22	22	SPACE & BUS					1					
24	24	SPACE & BUS					1					
26	26	SPACE & BUS					1					
28	28	SPACE & BUS					1					
30	30	SPACE & BUS					1					
32	32	SPACE & BUS					1					
34	34	SPACE & BUS					1					
36	36	SPACE & BUS					1					
38	38	SPACE & BUS					1					
40	40	SPACE & BUS					1					
		TOTALS		23.2	102.5	90.8						



WELL HOUSE #1 BUILDING PLAN - POWER & LIGHTING

SCALE: 3/8" = 1'-0"



RADIO CONTROL RISER DIAGRAM

NOT TO SCALE

PARTIAL SITE PLAN

SCALE: 1" = 100'-0"

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

100' 0 100'

1	8/28/09	VDH/OWNER COMMENTS
2	9/3/09	OWNER COMMENTS
3	10/7/09	ADDENDUM #2
4	11/17/09	FRANKLIN COUNTY COMMENTS
5	3/14/12	ASBUILTS

HURT & PROFFITT
INCORPORATED
* ENGINEERING >> SURVEYING >> PLANNING
2524 LANGHORNE ROAD
LYNCHBURG VA 24501
800.242.4906 TOLL FREE
434.847.7796 MAIN
434.847.0047 FAX

WELL HOUSE PLAN & DETAILS-ASBUILT

FOR

TOWN OF BOONES MILL WATER SYSTEM REPLACEMENT

TOWN OF BOONES MILL, BOONE DISTRICT, FRANKLIN COUNTY, VA

PROJECT NO.	20080815
G.L. NO.	297-03-A3
FILE NO.	G-12675
DATE:	09/24/09
DRAWN BY:	WKH/RNM
CHECKED BY:	WKH/BLC

HURT & PROFFITT

SHEET NO.
E4