



**NOTES:**

1. Underground service by contractor from meter base & transformer. (Transformer and meter base provided by power provider)
2. Service to be 3 phase, 4 wire, 277/480V. (Phase & voltage availability to be verified)
3. Use copper wire conductors with 600 volt "THWN-THHN" insulation.
4. Electrical service to meet N.E.C. & N.C. Electrical Code.



**TOWN of CLAYTON**

USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

**RISER and  
ELECTRICAL DIAGRAM**

SCALE: Not To Scale	DETAIL # 2 534.04
REVISION DATE: July, 2010	SHEET #: 1 of 2

#	PART
1	CONDUIT FOR TELEPHONE
2	PVC (TO WETWELL) FOR LIQUID LEVEL CONDUITS
3	(3) "SEAL-OFFS" USING NON-HARDENING SEALING MATERIAL
4	PUMP CONTROL PANEL WITH RAIN HOOD (DETAIL 534.03 & 534.04)
5	RED ALARM LIGHT W/ HORN
6	UNDER HOOD PANEL LIGHT (FLORESCENT COLD START)
7	AUTOMATIC TRANSFER SWITCH FOR GENERATOR PUMP (NOT REQUIRED WHEN BACKUP PUMP IS USED)
8	POWER FROM CONTROL PANEL TO AREA LIGHT
9	#8 GROUND TO DRIVEN GROUND ROD (OBTAIN 25 OHM RESISTANCE OR LESS)
10	GROUND (VERIFY WITH NEC)
11	PVC CONDUITS FOR PUMP LEADS (EACH PUMP)
12	3 FUSE SERVICE RATED DISCONNECT NEMA 3R FUSE
13	COPPER (THWN) IN CONDUIT TO DISCONNECT
14	25' CLASS 5 TREATED POLE FOR AREA LIGHT (BY CONTRACTOR)
15	AUTODIALER EITHER IN PANEL OR IN NEMA 4 ENCLOSURE
16	SS JUNCTION BOX FOR PUMP POWER CABLES & LIQUID LEVEL CABLES (JUNCTION BOX TO BE NO MORE THAN 5 FEET FROM HATCH).
17	AREA LIGHT WITH SWITCH CONTROL AND PHOTO CELL
18	CONCRETE FOOTING FOR SUPPORT POSTS
19	3" GALV PIPE (TYPICAL). FILL SOLID WITH CONCRETE.
20	ELECTRICAL CONDUIT BY ELECTRICAL CONTRACTOR



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