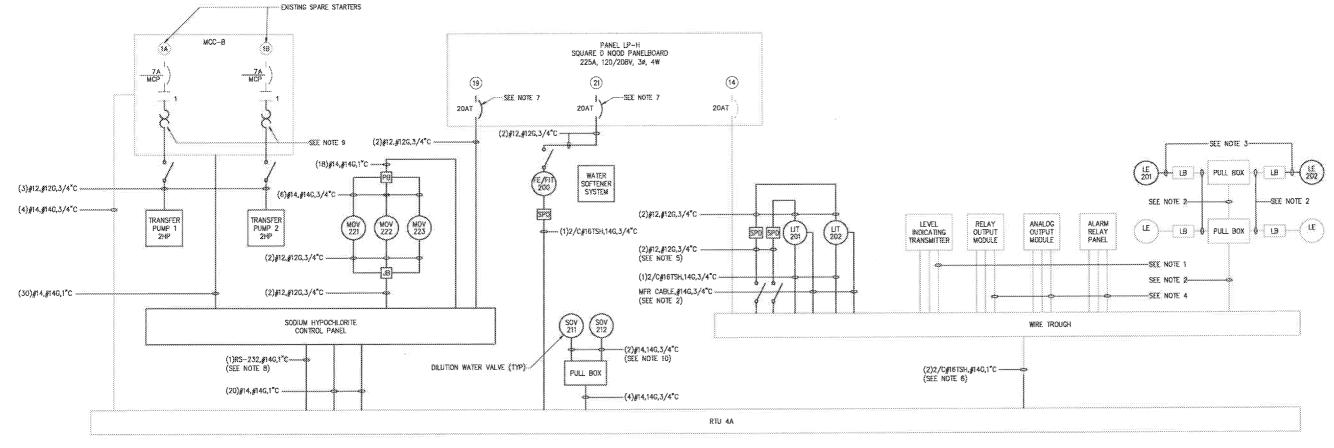
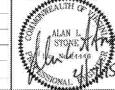
- DISCONNECT AND REMOVE THE TWO EXISTING CABLES CURRENTLY ROUTED FROM THE EXISTING ULTRASONIC LEVEL MEASUREMENT SYSTEM TO THE FURTHEST STORAGE TANK
- FURNISH AND INSTALL NEW CABLES FROM THE NEW LEVEL INDICATING TRANSMITTERS TO THE ASSOCIATED LEVEL TRANSDUCERS USING EXISTING CONDUIT.
- 3. REPLACE THE EXISTING FLEXIBLE NONMETALLIC CONDUIT ROUTED FROM THE NEAREST EXISTING LET-TYPE CONDUIT BODY TO THE NEW LEVEL
- 4. DISCONNECT AND LABEL AS SPARE THE EXISTING WHE/CABLES ASSOCIATED WITH THE TWO FURTHEST STORAGE TANK LEVEL TRANSDUCERS.
- 5. EXTEND EXISTING ULTRASONIC LEVEL MEASUREMENT SYSTEM POWER CIRCUIT TO SUPPLY POWER TO THE NEW LEVEL INDICATING TRANSPORTED
- FURNISH AND INSTALL NEW WIRE IN EXISTING SPARE CONDUIT, EXTEND EXISTING CONDUIT TO RTU 4A ENCLOSURE.
- FURNISH AND INSTALL NEW MOLDED CASE CIRCUIT BREAKER AS INDICATED. CIRCUIT BREAKER SHALL BE 120VAC, 1-POLE, 1-PHASE, BOLT-ON TYPE WITH TOKA SHORT CIRCUIT RATING MATCHING THE EXISTING PANEL.
- CABLE SHALL BE BELDEN 9934 OR EQUAL. MAXIMUM CABLE CAPACITANCE SHALL NOT EXCEED 2,500 pF.
- 9. REPLACE EXISTING OVERLOAD UNIT WITH ONE APPROPRIATELY SIZED FOR THE NEW MOTOR. NEW OVERLOAD UNIT SHALL HAVE A NORMALLY OPEN CONTACT FOR REMOTE INDICATION AS SHOWN ON DRAWING E202.
- Furnish and install a 120vac interposing relay in the existing rtu 4a enclosure to control the solenoid valve.



JAD DESIGNED CHECKED ALS 04/2015 09/2014 DATE ALS ALS BY RECORD DRAWINGS FINAL DESIGN ISSUED FOR



RECORD DRAWING

THIS DOCUMENT ORIGINALLY ISSUED FOR CONSTRUCTION THIS DRAWING HAS BEEN MODIFIED TO REFLECT FIELD CHANGES REPORTED BY AND SEALED BY JASON A. DAVIS, LIC NUMBER 052009 THE CONTRACTOR OR ANOTHER PARTY, BUT NOT VERIFIED BY THE CERTIFYING ENGINEER

HAZENAND SAWYER Environmental Engineers & Scientists

4011 WestChase Boulevard, Suite 500 Roleigh, North Carolina 27607 License No.: C-0381

WESTERN VIRGINIA WATER AUTHORITY ROANOKE, VIRGINIA

CARVINS COVE WATER TREATMENT FACILITY DISINFECTION IMPROVEMENTS

ELECTRICAL **CHEMICAL BUILDING 2 BLOCK DIAGRAM**

		RECORD DRAWINGS
THE SCALE BAR	DATE OCTO	BER 2014
SHOWN BELOW MEASURES ONE	H&S JOB 31197-000	
inch long on The original	CONTRACT NUMBER	ORAWING NUMBER
DRAWING.	1	E201