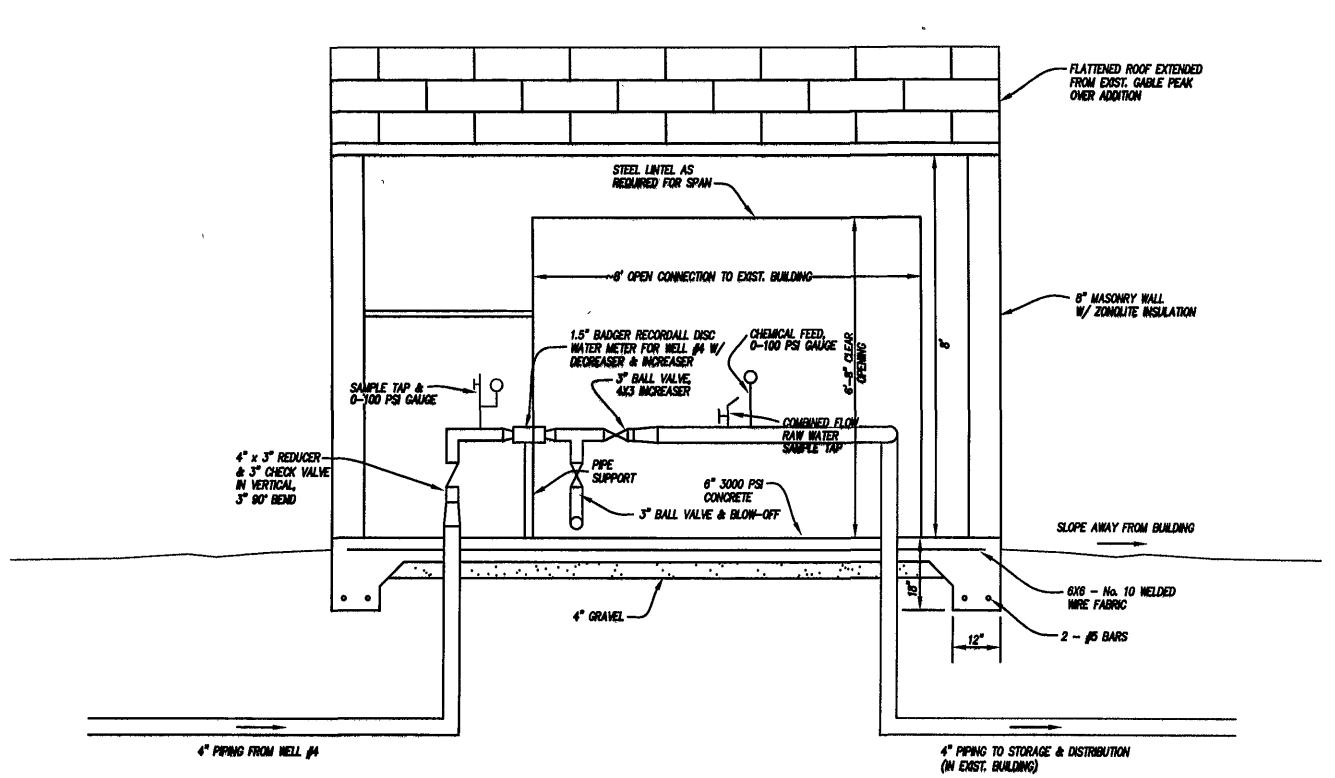
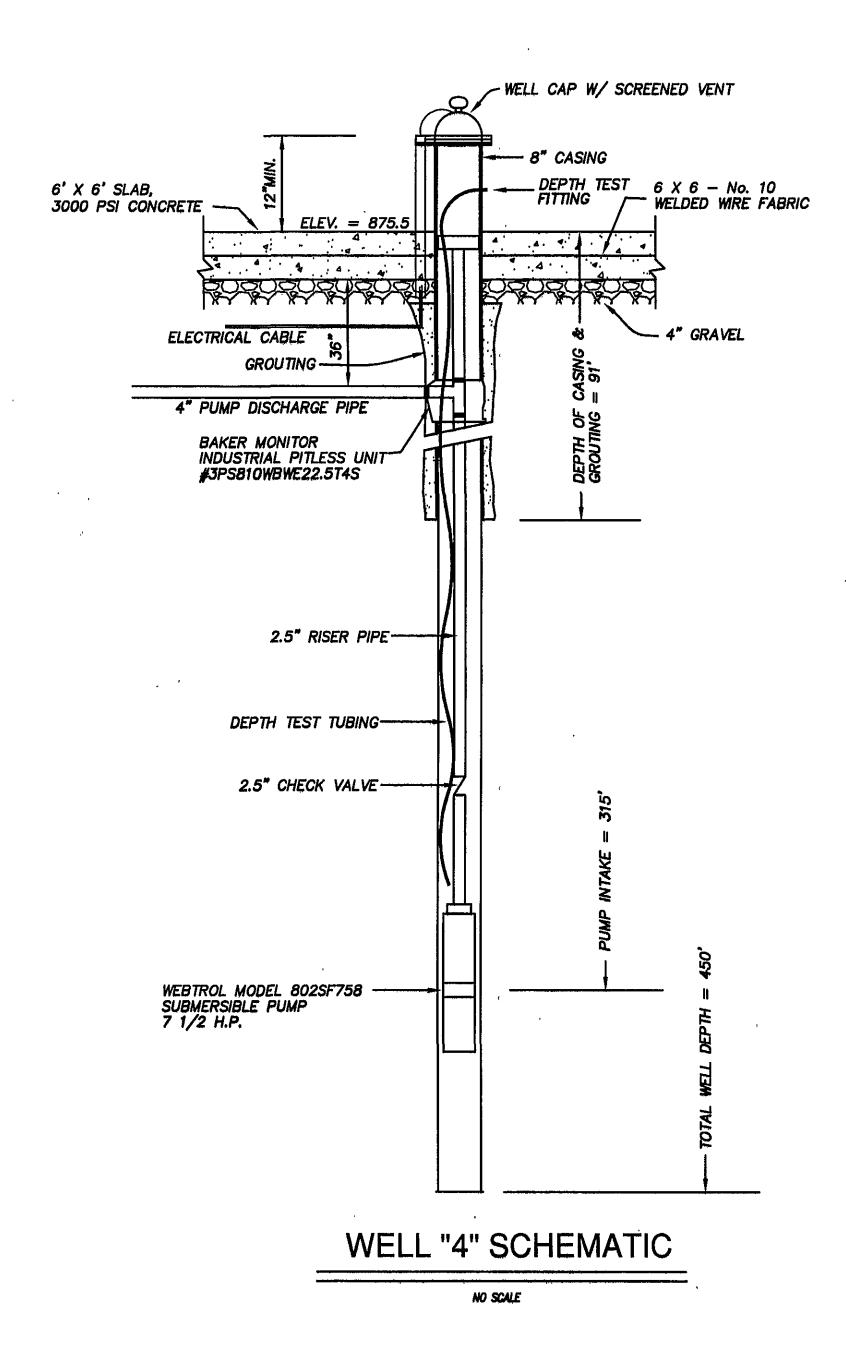
SCALE: 1" = 2"



CROSS SECTION OF WELL HOUSE ADDITION

SCALE: 1" = 2"

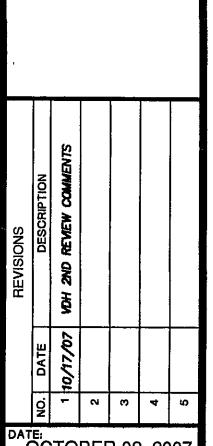


WELL PUMP TEST DATA

WATER DEPTH • START OF PUMP TEST = 73 FT. WATER DEPTH • END OF PUMP TEST = 254 FT. PUMP TEST WELL YIELD

GENERAL NOTES:

- WELL PUMPS SHALL BE ACTIVATED BY A CONTROLLER THAT FIRST STARTS UP THE WELL 3 PUMP IMMEDIATELY FOLLOWED BY THE WELL 4 PUMP. THEN WELL 4 PUMP SHALL BE STOPPED FOLLOWED BY THE WELL 3 PUMP.
 PITLESS UNIT AND WELL CAP SHALL CONFORM TO THE STATE WATERWORKS REGULATIONS AND PAS-97 STANDARDS. PITLESS ADAPTER AND WELL CAP SHALL BE AS MANUFACTURED BY BAKER, OR APPROVED EQUAL. NECESSARY TUBING SHALL BE INSTALLED FOR WELL DEPTH TESTING. PRESSURE GAUGE MUST ACCOMPANY PORTABLE AIR SUPPLY FOR DEPTH TESTING.
 EXISTING CHEMICAL FEED PUMP SHALL BE CONNECTED TO NEW INJECTION POINT, FLOW RATE RESET, AND TREATED WATER TESTED FOR DESIRED QUALITY.
 SEQUESTERING AGENT SHALL BE AQUA MAG, PRODUCED BY CARUS CHEMICAL COMPANY, OR APPROVED EQUAL. SEQUESTERING AGENT SHALL MEET STANDARD NSF 60. SET INJECTION RATE INITIALLY AT 0.74 GPH. CONTRACTOR SHALL CONTACT CARUS PHOSPHATES, ROBERT BLACKWELDER, AT 1-800-929-6789 EXT 209 FOR INSTRUCTIONS ON SENDING FINISH WATER SAMPLES IN FOR FREE TESTING TO ADJUST FINAL DOSAGE SETTINGS.
 DRAINAGE TO BE DIRECTED AWAY FROM WELL HOUSE.
 PROVIDE OUTSIDE CONNECTION AT WELL HOUSE FOR MOBILE GENERATOR.



LUMSDEN ASSOCIATES, P.C. ENGINEERS-SURVEYORS-PLANNERS ROANOKE, VIRGINIA

OCTOBER 02, 2007 **AS SHOWN**

2005-213 SHEET 20 OF 22