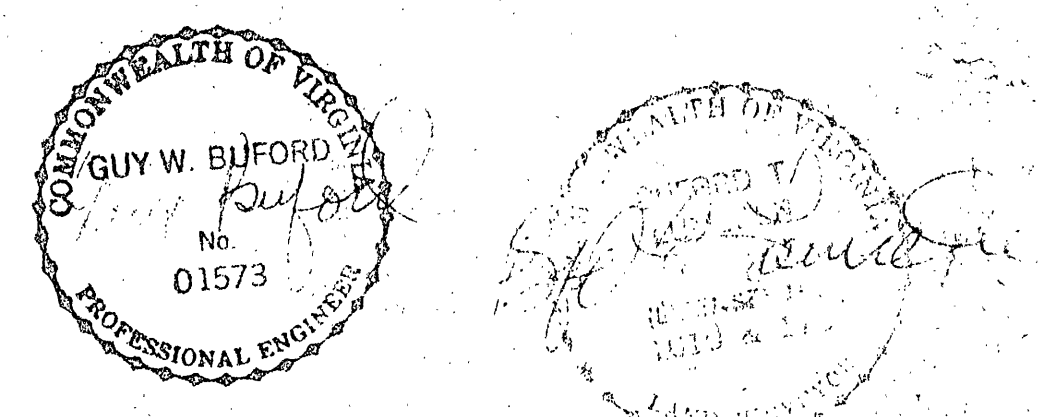
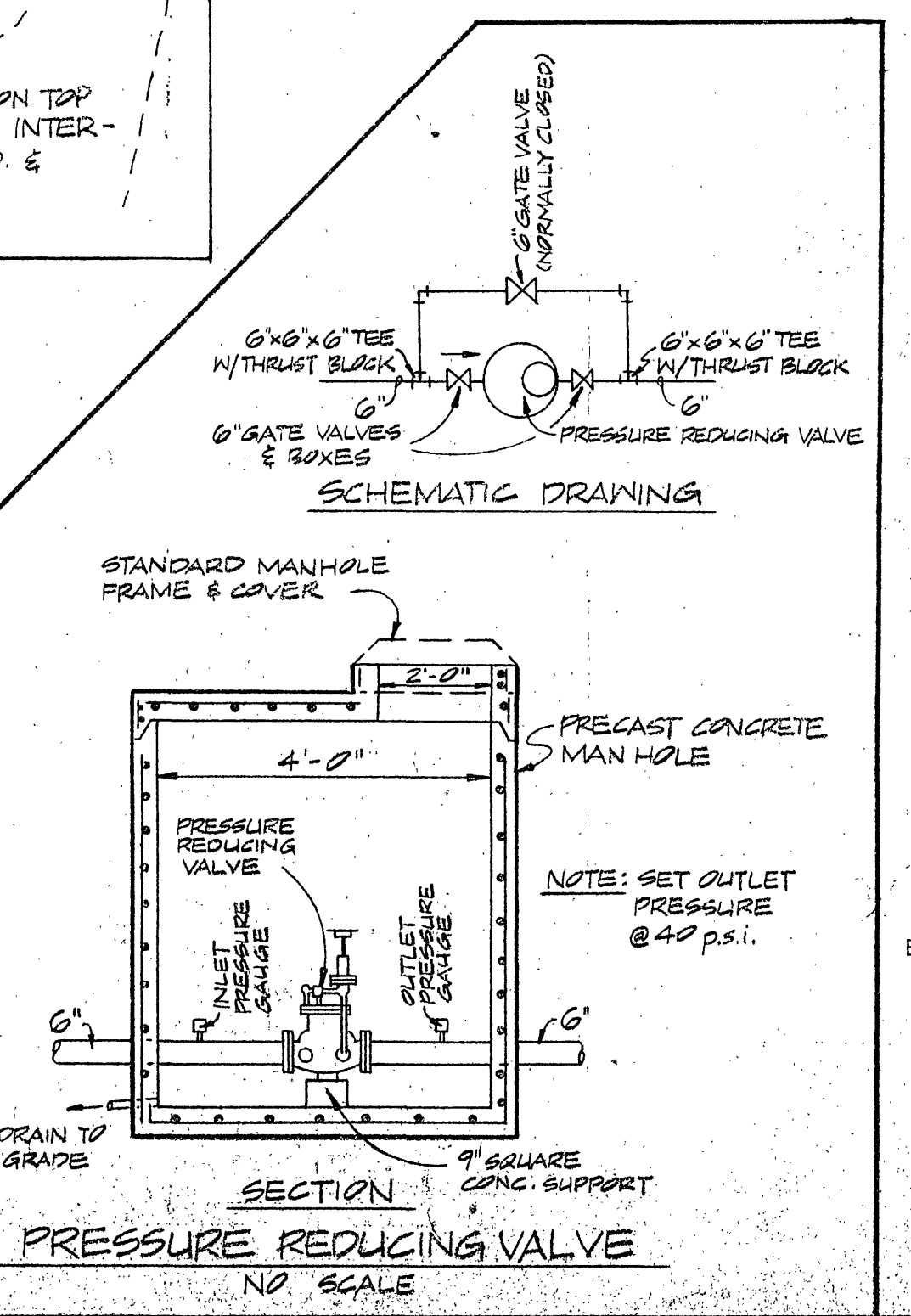
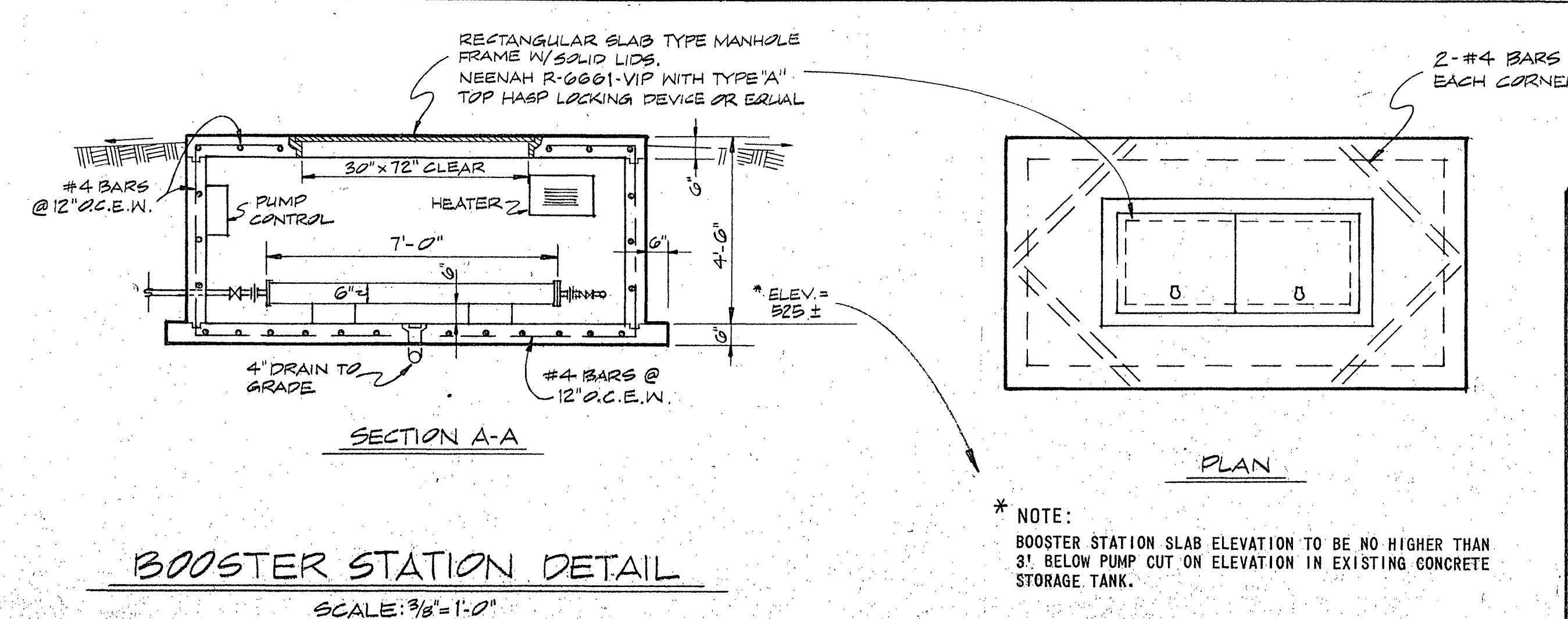
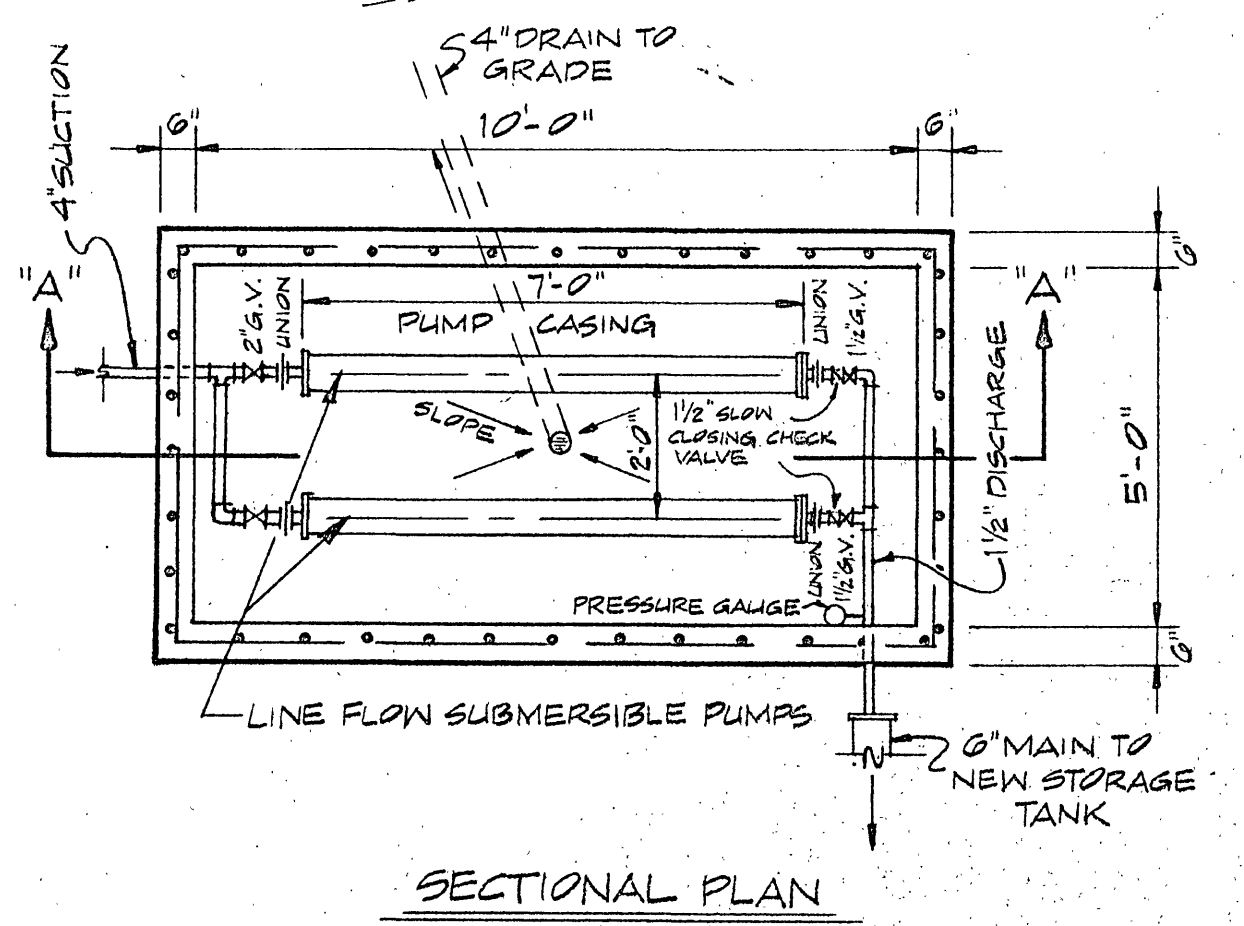


- SPECIFICATIONS:**
- DESIGN DATA  
NO. LOTS SECTION 8 (1-26) - 26  
SECTION 9 (11-27) - 17  
TOTAL - 43
  - STORAGE TANK  
10,000 GALLON (10'-6" DIAM. X 15'-8" HIGH)  
AWWA STANDARDS D100-73 (CONSTRUCTION)  
D102-64 (PAINTING)
  - 4" FILL CONNECTION  
PRESSURE SWITCH WATER LEVEL CONTROLS
  - PUMPS  
2 - JACUZZI LINE FLOW SUBMERSIBLE  
No. 554035-S2 (35 STAGE) 230V SINGLE PHASE 5 HP  
WIRED FOR ALTERNATING OPERATION  
31.5 GPM AT 350' T.D.H.  
ALARM LIGHT (LOW WATER/PUMP MALFUNCTION) TO BE MOUNTED AT BOOSTER STATION.
  - INDIVIDUAL PRESSURE REDUCING VALVES REQUIRED FOR FOLLOWING LOTS:  
SECTION 8 - 1 THRU 6 AND 23 THRU 26  
SECTION 9 - 11 THRU 15 AND 27

- NOTES FOR DISTRIBUTION LINES:**
- NEW DISTRIBUTION SYSTEM SHALL BE VALVED OFF FROM THE EXISTING SYSTEM AT ALL TIMES UNTIL AFTER STERILIZATION OF NEW LINES. WATER FOR STERILIZATION OF NEW DISTRIBUTION LINE SHALL BE PROVIDED FROM SEPARATE SOURCE, OR, IF EXISTING SYSTEM IS USED, A VACUUM BREAK SHALL BE PROVIDED BETWEEN CONNECTING POINTS.
  - NEW LINES SHALL BE DUCTILE IRON (EXCEPT 2" OR SMALLER SHALL BE GALVANIZED IRON).
  - DISINFECTANT - THE LINE SHALL BE FLUSHED BEFORE & AFTER CHLORINE APPLICATION. THE WATER SHALL RECEIVE A DOSE OF CHLORINE EQUAL TO OR GREATER THAN 50 MG/L. CHLORINE APPLICATION SHALL NOT CEASE UNTIL THE ENTIRE MAIN IS FILLED WITH THE CHLORINE SOLUTION. THE CHLORINATED WATER SHALL BE RETAINED IN THE MAIN FOR AT LEAST 24 HR. DURING WHICH TIME ALL VALVES AND HYDRANTS IN THE SECTION TREATED SHALL BE OPERATED IN ORDER TO DISINFECT THE APPURTENANCES AT THE END OF THIS 24 HR. PERIOD, THE TREATED WATER SHALL CONTAIN NO LESS THAN 25 MG/L CHLORINE THROUGHOUT THE LENGTH OF THE MAIN. TWO OR MORE SUCCESSIVE SAMPLES TAKEN AT 24 HR. INTERVALS, AND ANALYZED BY A CERTIFIED LABORATORY SHALL INDICATE BACTERIOLOGICALLY SATISFACTORY WATER BEFORE THE FACILITY IS RELEASED FOR USE.

- NOTES FOR STORAGE TANK:**
- DISINFECTION  
A. STORAGE TANK-WATER CONTAINING 50 PPM CHLORINE SHALL BE PLACED IN THE TANK TO SUCH A DEPTH THAT WHEN THE TANK IS FILLED THE RESULTANT CHLORINE CONCENTRATION SHALL BE NO LESS THAN 2 PPM. THE WATER CONTAINING 50 PPM CHLORINE SHALL BE HELD IN THE TANK FOR 24 HR. BEFORE THE TANK IS FILLED. THE FULL TANK, IN TURN, SHALL BE ALLOWED TO STAND FOR 24 HR. AFTER WHICH THE TANK MAY BE PUT INTO SERVICE WITHOUT DRAINING THE WATER USED TO DISINFECT IT. TWO OR MORE SUCCESSIVE SAMPLES, TAKEN AT 24 HOUR INTERVALS, AND ANALYZED BY A CERTIFIED LABORATORY, SHALL INDICATE BACTERIOLOGICALLY SATISFACTORY WATER BEFORE THE FACILITY IS RELEASED FOR USE.
  - INTERIOR PAINTING - MANUFACTURER "RUST-OLEUM"; APPLICATION 2 COATS, PRIMER COAT ZINC SELE #9334, INTERMEDIATE #9391, FINISH COAT "LIGHT GREEN #9331", THINNERS 150 & 160.

- ROANOKE COUNTY UTILITY DEPARTMENT WATER NOTES:**
- ALL MATERIAL SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE ROANOKE COUNTY UTILITY DEPARTMENT RULES AND REGULATIONS AND CONSTRUCTION STANDARDS AND SPECIFICATIONS.
  - A MINIMUM COVER OF THREE (3) FEET OVER THE PROPOSED LINES IS REQUIRED.
  - NO WORK SHALL BEGIN WITHOUT NOTIFYING THE COUNTY UTILITY DEPARTMENT 24 HOURS IN ADVANCE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL NECESSARY PERMITS.
  - NO WORK SHALL BEGIN WITHOUT WRITTEN APPROVAL OF CONSTRUCTION PLANS FROM THE COUNTY UTILITY DEPARTMENT.
  - WORK SHALL BE SUBJECT TO INSPECTION BY UTILITY DEPARTMENT INSPECTORS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND UNCOVERING ALL VALVE BOXES AFTER SURFACE TREATMENT OF ROADS AND ADJUSTING BOXES TO FINAL ROAD GRADES, IF NECESSARY.
  - ALL EXISTING UTILITIES MAY OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH THE STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.
  - THE CONTRACTOR SHALL NOTIFY THE COUNTY UTILITY DEPARTMENT OF ANY FIELD CORRECTIONS TO THE APPROVED PLANS PRIOR TO SUCH CONSTRUCTION.
  - ALL TRENCHES WITHIN THE EXISTING OR FUTURE VIRGINIA STATE DEPARTMENT OF HIGHWAYS & TRANSPORTATION RIGHTS-OF-WAY MUST BE COMPACTED IN SIX INCH LAYERS.
  - ALL LINES TO BE STAKED PRIOR TO CONSTRUCTION.
  - WATER LINE SHALL BE DUCTILE IRON, CLASS 50 PIPE.



PLAN SHOWING  
**EXPANSION OF WATER SYSTEM**  
SECTION 8 & 9. LA BELLEVUE  
ROANOKE COUNTY, VIRGINIA  
SCALE: AS SHOWN DATE: 22 DEC. 1981

BUFORD T. LUMSDEN & ASSOCIATES, P. C.  
CERTIFIED LAND SURVEYORS  
ROANOKE, VIRGINIA