

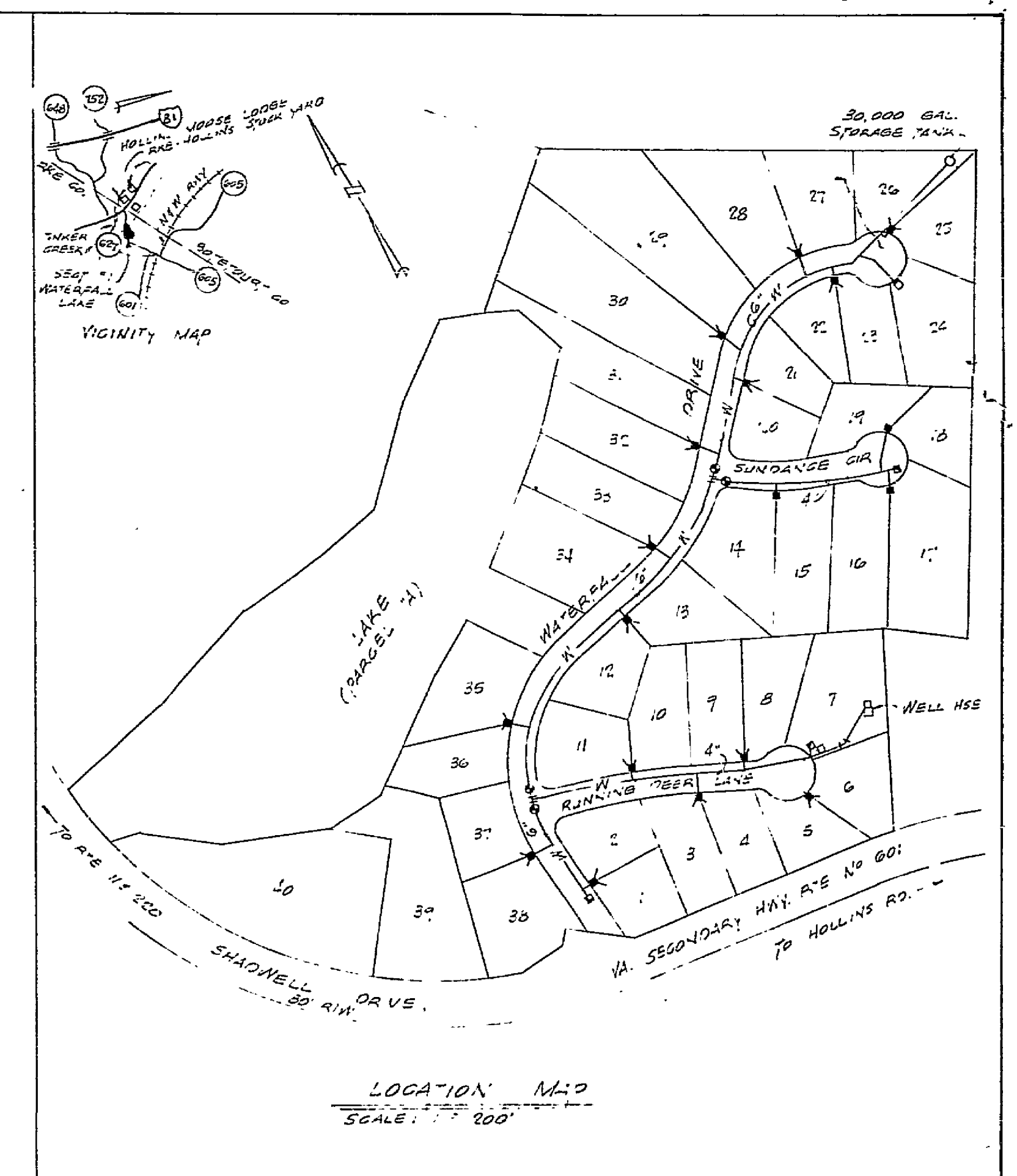
# PLANS FOR WATER DISTRIBUTION SYSTEM WATERFALL LAKE

ROANOKE COUNTY, VIRGINIA  
PREPARED FOR

NORRIS & JONES CONSTRUCTION CO., INC.

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

28 MARCH 1978  
21 APRIL 1978



## SPECIFICATIONS:

### A. STORAGE TANK

- (1.) PAINTING: INTERIOR - MANUFACTURER "RUST-OLEUM"; 1 COAT SHOP PRIMER "ZINC-SELE" #9334, 1 INTERMEDIATE COAT "ZINC-SELE" #9391, FIELD APPLIED, AND 1 FINISH COAT "LIGHT GREEN" #9331, THINNER #150 & #160. EXTERIOR - PITTSBURG PAINT; 1ST COAT #101 "KEYSTONE PRIMER" 1-1/2 TO 2 MILS THICK, 1ST FINISH COAT "PENNSBURY 5 SERIES" 1-1/2 TO 2 MILS DRY FINISH THICKNESS, 2ND FINISH COAT "PENNSBURY 5 SERIES" 1-1/2 TO 2 MILS DRY FINISH THICKNESS (DESIRED COLOR).

### (2.) DISINFECTANT

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.

### B. DISTRIBUTION LINES

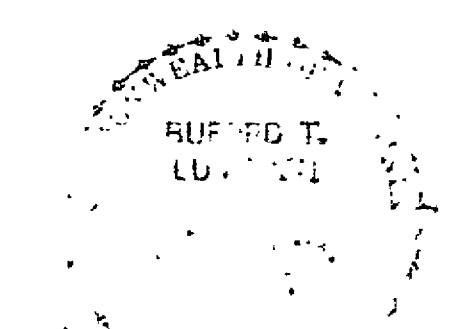
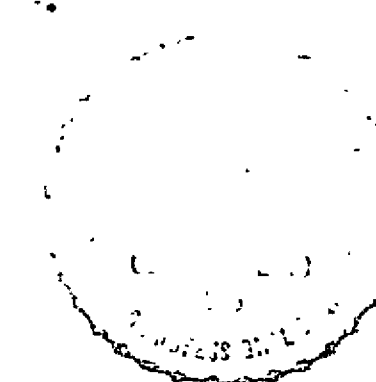
#### (a.) TYPE - DUCTILE IRON

- (b.) 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 HOUR INTERVALS, AND ANALYZED BY A CERTIFIED LABORATORY, SHALL INDICATE BACTERIOLOGICALLY SATISFACTORY WATER BEFORE THE FACILITY IS RELEASED FOR USE.

- (c.) WELL - SHALL BE DISINFECTED BY A METHOD APPROVED BY THE ROANOKE COUNTY PUBLIC SERVICE AUTHORITY.

## NOTE:

1. UPPER FINISH FLOOR OF HOMES ON LOTS 6, 7, 8, 25, 26, & 27 SHALL NOT BE CONSTRUCTED ABOVE ELEVATION 1166.
2. IF 20 P.S.I. PRESSURE IS NOT OBTAINED AT ANY CONNECTION, A PRESSURE SYSTEM WITH BOOSTER PUMP AND PRESSURE TANK WILL BE PROVIDED TO SERVE ALL SUCH DWELLINGS.



SHEET 1 OF 4

RC-21172

