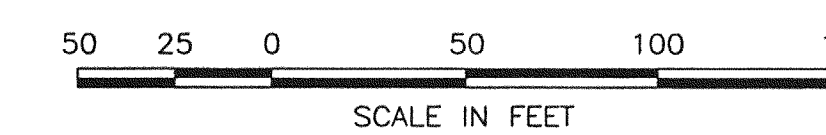


- NOTES:
1. REFER TO SHEET 1 FOR GENERAL NOTES, ABBREVIATIONS, AND LEGEND.
 2. WATER AND SEWER SERVICE TO GLENVAR ELEMENTARY, MIDDLE, AND HIGH SCHOOLS SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION. SERVICE SHALL NOT BE INTERRUPTED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER.
 3. ALL BACKFLOW PREVENTERS SHALL BE LOCATED INSIDE THE BUILDING.
 4. INSTALL ANCHORS AT ALL HORIZONTAL & VERTICAL BENDS AND AT ALL TEES AND DEAD ENDS IN THE WATER LINE. HORIZONTAL ANCHORS SHALL BE DIMENSIONED WITH $t=1.5$ AS INDICATED ON A&A STD. DETAIL CA-1 ON SHEET 7. VERTICAL ANCHORS SHALL BE DIMENSIONED WITH $b=2.13$ AS INDICATED ON A&A STD. DETAIL CA-2 ON SHEET 7. MECHANICAL JOINT RESTRAINTS ARE AN ACCEPTABLE ALTERNATIVE.
 5. ALL CLEANOUT COVERS INSTALLED IN NON-GRASS AREAS SHALL HAVE A&A STD. CO-1 TRAFFIC-BEARING CLEANOUT BOXES.
 6. REFER TO SHEET 6 FOR ALL UTILITY PROFILES.
 7. ROOF DRAINS ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY. REFER TO THE PLUMBING PLANS FOR EXACT ROOF DRAIN LOCATIONS AND INVERTS.

PRELIMINARY
NOT FOR CONSTRUCTION



16366SP2 | 990521.1035 | BONADEO

ANDERSON AND ASSOCIATES, Inc.
Engineers
Surveyors
Planners

Blacksburg, VA
Greensboro, NC
Middletown, VA
Richmond, VA
Tri-Cities, TN

DATE : 21 MAY 99
SCALE : AS SHOWN
DESIGNED: MAB
DRAWN : MAB
CHECKED: TIR

REVISIONS:

GLENVAR MIDDLE SCHOOL
ROANOKE COUNTY, VIRGINIA

UTILITY PLAN

DOCUMENT NO.
16366-002
SHEET
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