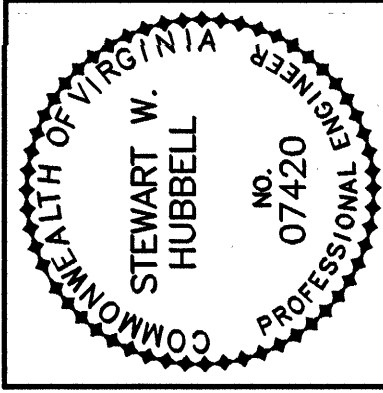




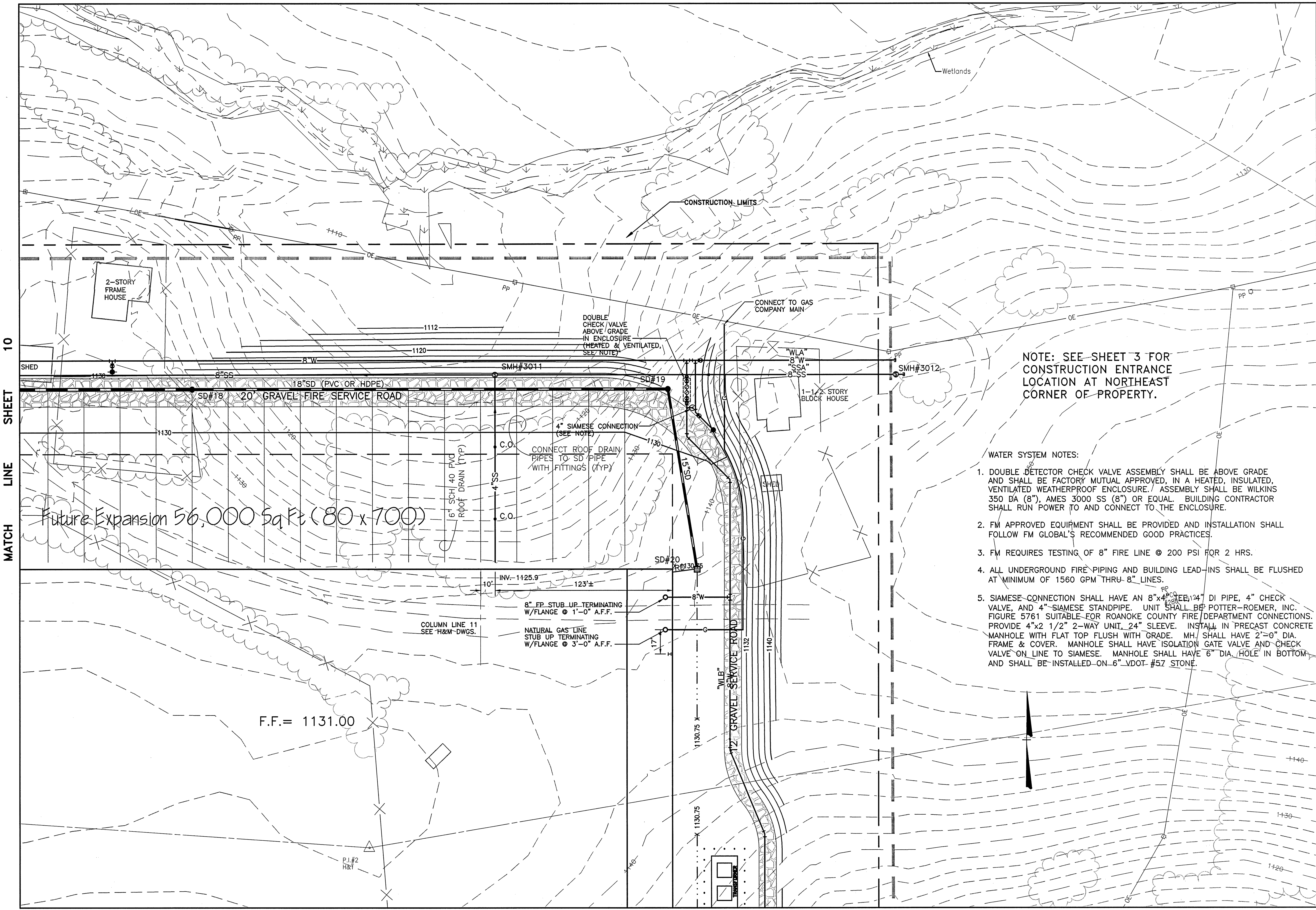
Revisions	Date
1 REVISED UTILITIES FOR BUDG. EXP.	2/24/04

Issue Date:	DEC., 2003
Drawn By:	ARB
Designed By:	HAY
Checked By:	SWH
Date:	12/22/03

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CARDINAL INSULATED GLASS
VINTON BUSINESS CENTER
PLAN - GRADING
TOWN OF VINTON, VIRGINIA

Vertical Scale:	N/A
Horizontal Scale:	1" = 30'
Commission Number:	2207-A
Sheet No.:	13



NOTE: SEE SHEET 3 FOR
CONSTRUCTION ENTRANCE
LOCATION AT NORTHEAST
CORNER OF PROPERTY.

WATER SYSTEM NOTES:

1. DOUBLE DETECTOR CHECK VALVE ASSEMBLY SHALL BE ABOVE GRADE AND SHALL BE FACTORY MUTUAL APPROVED, IN A HEATED, INSULATED, VENTILATED WEATHERPROOF ENCLOSURE. ASSEMBLY SHALL BE WILKINS 350 DA (8"), AMES 3000 SS (8") OR EQUAL. BUILDING CONTRACTOR SHALL RUN POWER TO AND CONNECT TO THE ENCLOSURE.
2. FM APPROVED EQUIPMENT SHALL BE PROVIDED AND INSTALLATION SHALL FOLLOW FM GLOBAL'S RECOMMENDED GOOD PRACTICES.
3. FM REQUIRES TESTING OF 8" FIRE LINE @ 200 PSI FOR 2 HRS.
4. ALL UNDERGROUND FIRE PIPING AND BUILDING LEAD-INS SHALL BE FLUSHED AT MINIMUM OF 1560 GPM THRU 8" LINES.
5. SIAMESE CONNECTION SHALL HAVE AN 8"x4" 1/4" DI PIPE, 4" CHECK VALVE, AND 4" SIAMESE STANDPIPE. UNIT SHALL BE POTTER-ROEMER, INC. FIGURE 5761 SUITABLE FOR ROANOKE COUNTY FIRE DEPARTMENT CONNECTIONS. PROVIDE 4"x2 1/2" 2-WAY UNIT, 24" SLEEVE. INSTALL IN PRECAST CONCRETE MANHOLE WITH FLAT TOP FLUSH WITH GRADE. MH. SHALL HAVE 2'-0" DIA. FRAME & COVER. MANHOLE SHALL HAVE ISOLATION GATE VALVE AND CHECK VALVE ON LINE TO SIAMESE. MANHOLE SHALL HAVE 6" DIA. HOLE IN BOTTOM AND SHALL BE INSTALLED ON 6" VDOT #57 STONE.

