POINT OF TANGENCY

POINT ON LINE

PVI

POL

POINT OF VERTICAL INTERSECTION

FTRD

FLG

FIRE TREATED

FLANGE

WET BULB

WINDOW

WITHOUT

WOOD

WITH

WIDE FLANGE, WIDE, WASTE, WATER

LEGEND / SYMBOLS

NEW DESCRIPTION BUILDING WITH PORCH OR STOOP FOUNDATION ONLY _____35____ CONTOUR, CONTOUR WITH ELEVATION 20.0 OR X 1025 SPOT ELEVATION CONCRETE CURB CONCRETE CURB & GUTTER CONCRETE WALK OR SLAB "" "" "" PAVEMENT UNPAVED OR GRAVEL ROAD _____ CONSTRUCTION EASEMENT PERMANENT EASEMENT TREE LINE TREE OR SHRUB ___ x ____ x _ FENCE (EXISTING OR PROPOSED NOTED) ----CENTERLINE CREEK, SWALE, DITCH PROPERTY LINE — ¥—— ¥—— CENTERLINE OR BASELINE FIELD SURVEY TRAVERSE POINT 0 P.C. OR P.T. GEOLOGIC BORE HOLE

BENCH MARK (EXISTING OR SET NOTED) STORM DRAIN AND ENDWALL SANITARY SEWER FORCE MAIN GAS MAIN OR SERVICE LINE WATER MAIN OR SERVICE LINE

OVERHEAD ELECTRICAL LINE OVERHEAD TELEPHONE LINE UNDERGROUND ELECTRICAL LINE

UNDERGROUND TELEPHONE LINE

FIRE HYDRANT GATE VALVE CLEANOUT

PIPE FITTINGS

STORM DRAIN SEWER MANHOLE

SANITARY SEWER MANHOLE DROP INLET (CURB AND GRATING TYPES)

WM - WATER METER DWM - DOUBLE WATER METER

TELEPHONE POLE, GUY AND ANCHOR POWER POLE, GUY AND ANCHOR

LIGHT POLE TELEPHONE PEDESTAL

)—**X**

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— *9/11/11/11/11*

-EEEEA-

BURIED TELEPHONE VAULT PAVED DITCH

CULVERT WITH FLARED END SECTION

BLOW OFF VALVE / VAULT ASSEMBLY

STEEL ENCASEMENT

ABANDON OR REMOVE

CONCRETE ENCASEMENT

LIMITS OF CONSTRUCTION

LEGEND / SYMBOLS

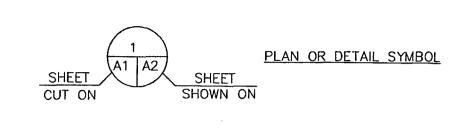
ROUGH WOOD GYPSUM DRYWALL FINISH WOOD CONCRETE **PLYWOOD** CONCRETE MASONRY UNIT BATT INSULATION RIGID INSULATION

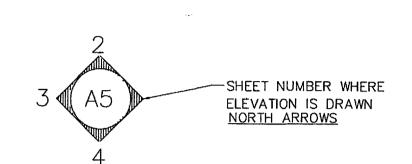
BUILDING SECTION

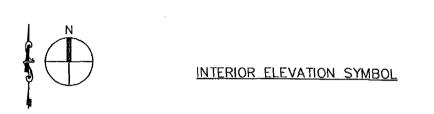
WALL SECTION OR

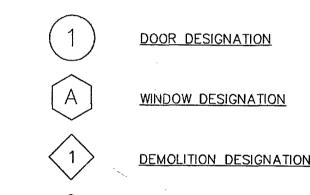
OR ELEVATION SYMBOL

TYPICAL SYMBOLS









ACM DESIGNATION

GENERAL NOTES THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS INDICATED ON THE DRAWINGS IN SO FAR AS THEIR EXISTENCE AND LOCATION WERE KNOWN AT THE TIME OF PREPARATION OF THESE DEAWINGS, HOWEVER, NOTHING IN THESE CONTRACT DOCUMENTS SHALL BE CONSTRUED AS A GUARANTEE THAT SUCH UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST OR THAT OTHER UTILITIES ARE NOT WITHIN THE AREA OF OPERATIONS. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXISTENCE AND LOCATIONS OF SUCH UTILITIES. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR

MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES. EXISTING WATER LINE LOCATIONS BOTH HORIZONTAL AND VERTICAL ARE APPROXIMATE. THE LOCATION IS NOT THE RESULT OF A FIELD SURVEY.

THE CONTRACTOR IS DIRECTED TO DIG AND LOCATE ALL UTILITIES IN ADVANCE OF PIPELAYING TO ALLOW FOR ADJUSTMENTS DUE TO CONFLICTS WITH EXISTING UTILITIES. SHOULD A CONFLICT ARISE THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.

THE CONTRACTOR IS REQUIRED TO NOTIFY "MISS UTILITY" AT 1-800-552-7001 AT LEAST TWO. BUT NOT MORE THAN TEN. WORKING DAYS IN ADVANCE OF CONSTRUCTION.

THE CONTRACTOR IS TO COORDINATE THE CONNECTION OF WATER AND SEWER SERVICE WITH THE WESTERN VIRGINIA WATER AUTHORITY.

PAVEMENT, CURBING, AND EXISTING STORM SEWERS THAT MUST BE REMOVED TO INSTALL WATER OR SEWER. SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

★ WESTERN VIRGINIA WATER AUTHORITY AVAILABILITY NO: 15-205. ALL UTILITY SERVICE LINES AND LATERALS, INCLUDING ELECTRIC, ARE TO BE INSTALLED

UNDERGROUND. ALL PROPOSED GROUND LEVEL EQUIPMENT IS TO BE SCREENED IN ACCORDANCE WITH SECTION 36.2-649 OF THE CITY OF ROANOKE'S ZONING ORDINANCE. NO GROUND-LEVEL OR ROOF-MOUNTED EQUIPMENT PLANNED FOR THIS PROJECT OR SITE.

MO DUMPSTER OR SIMILAR REFUSE CONTAINER IS PLANNED FOR THIS PROJECT OR SITE.

AIR RELEASE VALVE / VAULT ASSEMBLY A NO FIRE SUPPRESSION OR FIRE ALARM ARE REQUIRED OR PLANNED FOR THIS PROJECT.

PROVIDE NEW MATERIALS AND WORKMANSHIP IN CONFORMANCE WITH ALL APPLICABLE CODES, STATE AND FEDERAL LAWS, LOCAL ORDINANCES, INDUSTRY STANDARDS, AND OTHER CRITERIA WHICH WOULD NORMALLY APPLY TO WORK OF THIS NATURE. NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A CONFLICT IN CODES, ORDINANCES, STANDARDS, OR OTHER CRITERIA. APPLICABLE CODES AND STANDARDS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO. THE FOLLOWING:

a. UBC 2012 (USE GROUP S-1)

b. ROANOKE CITY c. VDOT - VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS AND

SPECIFICATIONS d. VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS AND HANDBOOK,

e. OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

f. ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS

g. WVWA - WESTERN VIRGINIA WATER AUTHORITY

MAINTAIN A SET OF APPROVED PLANS ON SITE AT ALL TIMES DURING CONSTRUCTION.

OBTAIN EACH REQUIRED PERMIT PRIOR TO COMMENCING THAT PART OF THE WORK. PAY REQUIRED

NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON THE PLANS.

CONTRACTOR TO REPAIR ALL DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, CAUSED AS A RESULT OVED OF CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO OWNER.

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70 RICHARD C. WHITE Lic. No.20021

142/15 SIONAL Drawn By Checked By DRM **Project Date** 05/30/14

4198 CIVIL Drawing Commission No. 4198

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