ABANDON, ABANDONED

ABUTMENT

ADJACENT

ANCHOR

AGGREGATE

APPROXIMATE

BEGIN, BEGINNING

BLACK STEEL PIPE

CURB AND GUTTER

CORRUGATED METAL PIPE

CONNECT, CONNECTION

DRAINAGE EASEMENT...

CONCRETE MASONRY UNITS

CONCRETE (PORTLAND CEMENT)

DEPTH OR DEGREE OF CURVE

DROP INLET, DUCTILE IRON

BEGIN VERTICAL CURVE ELEVATION

BEGIN VERTICAL CURVE STATION

BUTTERFLY VALVE

BITUMINOUS

BELL JOINT

BASE LINE

BUILDING

BENCH MARK

CAST IRON

CONDUIT

CLEANOUT

COMBINATION

CONTRACTOR

CRUSHED STONE

CONVEYOR

CORNER

CENTER

CULVERT

DIAMETER

DOWN

DETAIL

DRIVEWAY

DWELLING

DRAWING

ELEVATION

ELECTRICAL

ENGINEER

ENTRANCE

EQUIPMENT

EXISTING

FIGURE

FLOOR

FLEXIBLE

FLANGE

FOOTING

FUTURE

GALLON

GARAGE

GROUND

GRAVEL.

GRATING

GALVANIZED

GOVERNMENT

GATE VALVE

HORIZONTAL

HIGH POINT

INSULATION

LENGTH, LONG LINEAL FOOT

LIGHT POLE

MAXIMUM

LONG RADIUS

INVERT

LONG

HYDRANT

HUB AND TAC

INSIDE DIAMETER

IRON PIN (FOUND OR SET NOTED)

MAIL BOX

MINIMUM BUILDING LINE

MASONRY OF HIGHWAYS MATL MATERIAL

GALLONS PER MINUTE

FOOT

FINISH FLOOR

EQUAL

END OF LINE

EACH

DIMENSION

DISCONNECT

DROP MANHOLE

EASTBOUND LANE

EDGE OF PAVEMENT

EACH WAY, ENDWALL

FLARED END SECTION

END VERTICAL CURVE ELEVATION

END VERTICAL CURVE STATION

FINISHED FLOOR ELEVATION

CENTER LINE

CONSTRUCTION

ABUT

ADJ

AGGR

BEG

BLDG

BM

BSP

BVCE

BVCS

C & G

CONST

CMU

CND

COMB

CONC

CONN

CONTR

CONV

CR STONI

COR

CULV

DIA

DIM

DISC

DTL

DWG

E.B.L.

ELEC

ENGR

ENTR

EOL

EQPT

EVCE

EVCS

EXIST

FES

FLEX

FLG

FT

FTG

FUT

GAL

GALV

GAR

GND

GOVT

GPM

GRTG

H&T

HPT

HYD

INSUL

INV

___MAS

MAX

MBL

HORIZ

GV

GR

EΡ

DW, D/W

---D

CO

APPROX

MECH

MFR

MH

MIN

MON

NPW

NTS

OD

PVMT

PCC

PER

PERF

PERP

PVC

RDCR

REINF

REF

REQD

REV

SECT

SER

SPEC

SPECS

SUR T & B

TELE

TEMP

THK

ΤP

TV

TW

TYP

UG

UON

V.VAL

VAR

VC

VERT

VOL

VDOT

V.S.D. W.B.L.

WT

WVWA

WVDH

VESCR

U.S.C.&G.S

TRTD

SH

MECHANICAL

MANHOLE

MINIMUM

METAL

NUMBER

MONUMENT

NAIL AND CAP

NOT TO SCALE

ON CENTERS

PAVEMENT

PERIMETER

PERFORATED

PERPENDICULAR

POINT ON LINE

POWER POLE

RADIUS, RISER

RAILROAD

REDUCER

REFERENCE

RELOCATED

RIGHT OF WAY

STORM DRAIN

SPECIFICATION

SPECIFICATIONS

STAINLESS STEEL

TOP AND BOTTOM

TELEPHONE POLE

SANITARY SEWER

SLOPE EASEMENT

REQUIRED

REVISION

SANITARY

SIDEWALK

SECTION

SERVICE

SQUARE

STREET

STATION

STEEL

THICK

TREATED

TYPICAL

TELEVISION

TOP OF WALL

UNDERGROUND

VALVE, VENT

VERTICAL CURVE

WESTBOUND LANE

WATER SURFACE

WATERTIGHT, WEIGHT

WATER LINE

WITHOUT

VARIABLE

VERTICAL

WITH

UNLESS OTHERWISE NOTED

UNITED STATES COAST AND GEODETIC SURVEY

VIRGINIA DEPARTMENT OF TRANSPORTATION VERTICAL SIGHT DISTANCE

WIDE FLANGE, WIDE, WASTE, WATER

WESTERN VIRGINIA WATER AUTHORITY

WEST VIRGINIA DEPARTMENT OF HIGHWAYS

VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS

SURVEY

STANDARD

STRUCTURAL

TELEPHONE

TEMPORARY

SHEET

ROUTE

RIGHT

POINT OF TANGENCY

POINT ON TANGENT

POINT OF TANGENT

POLYVINYL CHLORIDE

NOT APPLICABLE

NOT IN CONTRACT

OUTSIDE DIAMETER

POINT OF CURVE

POINT OF COMPOUND CURVE

POINT OF INTERSECTION

PLATE, PROPERTY LINE

POINT OF REVERSE CURVE

PUBLIC UTILITY EASEMENT

REINFORCED CONCRETE PIPE

REINFORCE, REINFORCEMENT

POUNDS PER SQUARE INCH

POINT OF VERTICAL INTERSECTION

NON POTABLE WATER

MANUFACTURER

MECHANICAL JOINT

LIMITS OF CONSTRUCTION

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. IBC 2003 (VSUBC)
- 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 FEES.

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 OF CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO OWNER.

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 DRAWINGS, 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: 08-069

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.

VIRGINIA

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BREVIATIONS, LEGEN & GENERAL NOTES

Designed By Drawn By Checked By RCW RCW Approved By Submitted By RCW Drawing 1997D 03/03/08 NONE Commission No. 1997D

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