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STORM DRAIN AND ENDWALL SANITARY SEWER FORCE MAIN GAS MAIN OR SERVICE LINE

PERMANENT EASEMENT

FENCE (EXISTING OR PROPOSED NOTED)

BENCH MARK (EXISTING OR SET NOTED)

CENTERLINE CREEK, SWALE, DITCH

CENTERLINE OR BASELINE

GEOLOGIC BORE HOLE

FIELD SURVEY TRAVERSE POINT

TREE LINE

TREE OR SHRUB

PROPERTY LINE

P.C. OR P.T.

WATER MAIN OR SERVICE LINE OVERHEAD ELECTRICAL LINE OVERHEAD TELEPHONE LINE

UNDERGROUND ELECTRICAL LINE UNDERGROUND TELEPHONE LINE

PIPE FITTINGS FIRE HYDRANT

GATE VALVE CLEANOUT

> STORM DRAIN SEWER MANHOLE SANITARY SEWER MANHOLE

DROP INLET (CURB AND GRATING TYPES)

DWM - DOUBLE WATER METER TELEPHONE POLE, GUY AND ANCHOR

POWER POLE, GUY AND ANCHOR LIGHT POLE

TELEPHONE PEDESTAL BURIED TELEPHONE VAULT

PAVED DITCH

WM - WATER METER

CULVERT WITH FLARED END SECTION

AIR RELEASE VALVE / VAULT ASSEMBLY

BLOW OFF VALVE / VAULT ASSEMBLY

STEEL ENCASEMENT

CONCRETE ENCASEMENT

ABANDON OR REMOVE

LIMITS OF CONSTRUCTION

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. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.

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

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

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.

BE INSTALLED UNDERGROUND.

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

HANDBOOK, OSUA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

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

OBTAIN EACH REQUIRED PERMIT PRIOR TO COMMENCING THAT PART OF

NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF CONDITIONS

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

GENERAL NOTES
THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST ON 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

FXISTING WATER LINE LOCATIONS BOTH HORIZONTAL AND VERTICAL ARE APPROXIMATE. THE LOCATION IS NOT THE RESULT OF A FIELD SURVEY.

ENGINEER IS TO BE NOTIFIED IMMEDIATELY.

DAYS IN ADVANCE OF CONSTRUCTION.

THE CONTRACTOR IS TO COORDINATE THE CONNECTION OF WATER AND

WESTERN VIRGINIA WATER AUTHORITY AVAILABILITY NO: _____

ALL UTILITY SERVICE LINES AND LATERALS, INCLUDING ELECTRIC, ARE TO

MIRCINIA EROSION AND SEDIMENT CONTROL REGULATIONS AND

AMERICAN SOCIETY FOR TESTING AND MATERIALS WESTERN VIRGINIA WATER AUTHORITY

THE WORK. PAY REQUIRED FEES.

WHICH DIFFER FROM THOSE SHOWN ON THE PLANS.

BREVIATIONS, LEGEI & GENERAL NOTES

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Lic. No.20021 \$5.28 [

Designed By Drawn By Date Drawing

APPROVED AUG 2 0 2013

ABANDON, ABANDONED

MECHANICAL JOINT MONUMENT NAIL AND CAP NOT APPLICABLE NOT IN CONTRACT NUMBER NPW NON POTABLE WATER NOT TO SCALE

MECHANICAL

MANHOLE

MINIMUM

MANUFACTURER

PUBLIC UTILITY EASEMENT

REINFORCED CONCRETE PIPE

REINFORCE, REINFORCEMENT

RADIUS, RISER

RAILROAD

ROAD

REDUCER

REFERENCE

RELOCATED

RIGHT OF WAY

STORM DRAIN

SPECIFICATION

SPECIFICATIONS

STAINLESS STEEL

TOP AND BOTTOM

TELEPHONE POLE

SLOPE EASEMENT

SANITARY

SIDEWALK

SECTION

SERVICE

SQUARE

STREET

STEEL

STATION

STANDARD

SURVEY

STRUCTURAL

TELEPHONE

TEMPORARY

TREATED

TYPICAL

TELEVISION

TOP OF WALL

UNDERGROUND

VALVE, VENT

VERTICAL CURVE

WESTBOUND LANE

WATER SURFACE

WATERTIGHT, WEIGHT

VARIABLE

VERTICAL

VOLUME

WITH

WATER LINE

MTHOUT

UNLESS OTHERWISE NOTED

VERTICAL SIGHT DISTANCE

WIDE FLANGE, WIDE, WASTE, WATER

WESTERN VIRGINIA WATER AUTHORITY

WEST VIRGINIA DEPARTMENT OF HIGHWAYS

UNITED STATES COAST AND GEODETIC SURVEY

VIRGINIA DEPARTMENT OF TRANSPORTATION

VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS

SHEET

SANITARY SEWER

REQUIRED

REVISION

ROUTE

RIGHT

ON CENTERS BEGIN VERTICAL CURVE ELEVATION OD OUTSIDE DIAMETER BEGIN VERTICAL CURVE STATION PVMT PAVEMENT PC POINT OF CURVE PCC POINT OF COMPOUND CURVE PER PERIMETER PERF PERFORATED

CENTER LINE CONSTRUCTION CORRUGATED METAL PIPE PERP PERPENDICULAR POINT OF INTERSECTION CONCRETE MASONRY UNITS PLATE, PROPERTY LINE POINT ON LINE POL POINT OF TANGENCY POT POINT ON TANGENT POWER POLE

REF

REL REQD

REV

RTE

SAN

S/W

SER

SPEC

SPECS

SQ SSTL

STR

STA

STD

STL

STRUCT

T & B

TELE

TEMP

TRTD

TV

TW TYP

UG

UON

V.VAL

VAR

VC

VERT

VOL

VDOT

V.S.D.

W.B.L.

WVWA

HQVW

VESCR

U.S.C.&G.S

CND CONDUIT CO CLEANOUT COMB COMBINATION CONCRETE (PORTLAND CEMENT) CONC CONN CONNECT, CONNECTION PRC POINT OF REVERSE CURVE CONTR CONTRACTOR PSI POUNDS PER SQUARE INCH CONV CONVEYOR POINT OF TANGENT COR CORNER PVC POLYVINYL CHLORIDE CR STON CRUSHED STONE POINT OF VERTICAL INTERSECTION

PVI CTR CENTER PUE CULV CULVERT DEPTH OR DEGREE OF CURVE DRAINAGE EASEMENT RCP DROP INLET, DUCTILE IRON RD DIAMETER RDCR REINF

DIA DIMENSION DIM DISC DISCONNECT DROP MANHOLE DMH ÐΝ DOWN DTL DETAIL DW, D/W DRIVEWAY **DWELLING**

DWG DRAWING EACH E.B.L. EASTBOUND LANE EL. ELEV ELEVATION ELEC ELECTRICAL ENGR ENGINEER **ENTR ENTRANCE** EOL END OF LINE EDGE OF PAVEMENT EQUAL

EP EQ EQPT EQUIPMENT END VERTICAL CURVE ELEVATION EVCE END VERTICAL CURVE STATION **EVCS** EACH WAY, ENDWALL EW EXISTING **EXIST** FLARED END SECTION FES FINISH FLOOR FINISHED FLOOR ELEVATION FFE FIG **FIGURE** FLOOR **FLEX FLEXIBLE**

FLANGE FLG FOOT FT FOOTING **FUTURE** FUT GAL GALLON **GALVANIZED** GALV GAR GARAGE GND GROUND GR GRAVEL GOVERNMENT GOVT GALLONS PER MINUTE **GPM**

ABAN

ADJ

AGGR

APPROX

ANC

BLDG

ВМ

BSP

BV

CL

BVCE

BVCS

C & G

CONST

CMP

CMU

ABUTMENT

ADJACENT

ANCHOR

AGGREGATE

APPROXIMATE

BEGIN, BEGINNING

BLACK STEEL PIPE

BUTTERFLY VALVE

CURB AND GUTTER

BITUMINOUS

BELL JOINT

BUILDING

CAST IRON

BENCH MARK

GRTG GRATING G۷ GATE VALVE H&T HUB AND TAC HORIZ HORIZONTAL **HPT** HIGH POINT HYD HYDRANT INSIDE DIAMETER

INSULATION INSUL INV INVERT IRON PIN (FOUND OR SET NOTED) LENGTH, LONG LINEAL FOOT LG LONG

LIGHT POLE LONG RADIUS MASONRY OF HIGHWAYS MATL MATERIAL MAXIMUM MAIL BOX

MAX MINIMUM BUILDING LINE MBL

Commission No.

Sheet