## **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 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.

## **ABBREVIATIONS**

ABAN	ABANDON, ABANDONED	мЕСН	MECHANICAL	EXISTING	NEW	DESCRIPTION
ABUT ADJ	ABUTMENT ADJACENT	MFR MH	MANUFACTURER MANHOLE			
AGGR ANC	AGGREGATE ANCHOR	MIN MJ	MINIMUM MECHANICAL JOINT			CONCRETE CURB
APCO APPROX	APPALACHIAN POWER COMPANY APPROXIMATE	MON MTL	MONUMENT METAL			CONCRETE CURB & GUTTER
BIT	BITUMINOUS	N & C	NAIL AND CAP	CONC	17741175011750	CONCRETE PAVEMENT
BJ BL BEG	BELL JOINT BASE LINE	NIC NO	NOT IN CONTRACT NUMBER			BARRIER
BEG BLDG	BEGIN, BEGINNING BUILDING	NPW NTS	NON POTABLE WATER NOT TO SCALE	X X	X	FENCE (EXISTING OR PROPOSED NOTED)
BM BSP	BENCH MARK BLACK STEEL PIPE	O.H.E. O.H.E.&T.	OVERHEAD ELECTRICAL OVERHEAD ELECTRICAL AND TELEPHONE	treasurates to a passage of the definitions		EDGE OF RIVER
BV BVCE	BUTTERFLY VALVE BEGIN VERTICAL CURVE ELEVATION	OC OD	ON CENTERS OUTSIDE DIAMETER	18" SD	18"	
BVCS C & G	BEGIN VERTICAL CURVE STATION CURB AND GUTTER	PVMT PC	PAVEMENT POINT OF CURVE		Specified Islandining Superiorist Extends	STORM DRAIN
CI	CAST IRON	PCC PER	POINT OF COMPOUND CURVE	$\bigcirc$	0	DRAINAGE MANHOLE
CL CMP	CENTER LINE CORRUGATED METAL PIPE	PERF	PERIMETER PERFORATED		-	
CMU · CND	CONCRETE MASONRY UNITS CONDUIT	PERP PI	PERPENDICULAR POINT OF INTERSECTION			DRAINAGE MANHOLE
CO COMB	CLEANOUT COMBINATION	PL PLST	PLATE, PROPERTY LINE PLASTER			
CONC CONN	CONCRETE (PORTLAND CEMENT) CONNECT, CONNECTION	POL PT	POINT ON LINE POINT OF TANGENCY			
CONT	CONTINUATION CONSTRUCTION	POT PP	POINT ON TANGENT POWER POLE			•
CONTR	CONTRACTOR	PRC PSI	POINT OF REVERSE CURVE POUNDS PER SQUARE INCH	48" SS	8" SS	
CONV COR	CONVEYOR CORNER	PT	POINT OF TANGENT			SEWER LINE SEWER
CPP CR STONE	PRESTRESSED CONCRETE PIPE CRUSHED STONE	PVC PVI	POLYVINYL CHLORIDE POINT OF VERTICAL INTERSECTION	———— ss —	SS	SANITARY SEWER
CTR CULV	CENTER CULVERT	PUE R	PUBLIC UTILITY EASEMENT RADIUS, RISER			
D DE	DEPTH OR DEGREE OF CURVE DRAINAGE EASEMENT	R/R RCP	RAILROAD REINFORCED CONCRETE PIPE			SANITARY SEWER
DI DIA	DROP INLET, DUCTILE IRON DIAMETER	RD RDCR	ROAD REDUCER	, al		
DIM	DIMENSION	REINF	REINFORCE, REINFORCEMENT	6"	svc	SANITARY SEWER SERVICE CONNECT
DISC DMH	DISCONNECT DROP MANHOLE	REF REL	REFERENCE RELOCATED	4	41	
DN DTL	DOWN DETAIL	REQD, RQD REV	REQUIRED REVISION	(;		GAS LINE
DW, D/W DWL	DRIVEWAY DWELLING	RTE RT	ROUTE RIGHT		езициализання W вполучистийнями	WATER LINE
DWG EA	DRAWING EACH	R/W	RIGHT OF WAY SEWER	OHE		OVERHEAD ELECTRICAL LINE
E.B.L. EL. ELEV	EASTBOUND LANE	SS SAN	SANITARY SEWER SANITARY	UE		UNDERGROUND ELECTRICAL LINE
ELEC	ELEVATION ELECTRICAL	S/W	SIDEWALK	UT		UNDERGROUND TELEPHONE LINE
ENCAS ENGR	ENCASEMENT ENGINEER	SD SE	STORM DRAIN SLOPE EASEMENT	UCATV		UNDERGROUND TV CABLE
ENTR EOL	ENTRANCE END OF LINE	SECT SER	SECTION SERVICE	UAEP DUCT LINE-		UNDERGROUND69 KILOVOLT ELECTRIC LINE
EP EQ	EDGE OF PAVEMENT EQUAL	SH SPEC	SHEET SPECIFICATION	interpretation and an interpretation and the interpretation and an interpretation		R/W PROPERTY LINE
EQPT · EVCE	EQUIPMENT END VERTICAL CURVE ELEVATION	SPECS SQ	SPECIFICATIONS SQUARE	-6-		FIRE HYDRANT
EVCS EW	END VERTICAL CURVE STATION EACH WAY, ENDWALL	SSTL STR	STAINLESS STEEL STREET	$\prec$		
EXST. EXIST FES	EXISTING FLARED END SECTION	STA STD	STATION STANDARD	,		UTILTIY POLE
FF FFE	FINISH FLOOR FINISHED FLOOR ELEVATION	STL STRUCT	STEEL STRUCTURAL	*		CITY LIGHT POLE
FIG	FIGURE	SUR	SURVEY	•		WATER MANHOLE WITH GATE VALVE
FL FLEX	FLOOR FLEXIBLE	T & B TBM	TOP AND BOTTOM TEMPORARY BENCH MARK	○		AEP LIGHT POLE
FLG FT	FLANGE FOOT	TELE TEMP	TELEPHONE TEMPORARY		•	MANHOLE
FTG FUT	FOOTING FUTURE	THK TP	THICK TELEPHONE POLE			
G GAL	GAS GALLON	TRTD TV	TREATED TELEVISION	EMH-1		MANHOLE TO BE ADJUSTED
GALV GAR	GALVANIZED GARAGE	TW TYP	TOP OF WALL TYPICAL	<del>-//-////</del>		MANHOLE TO BE REMOVED
GND	GROUND	U	UTILITY			
GR GOVT	GRAVEL GOVERNMENT	UG UON	UNDERGROUND UNLESS OTHERWISE NOTED	<b>(W)</b>		WATER MANHOLE
GPM GRTG	GALLONS PER MINUTE GRATING GATE VALVE	USACOE U.S.C.&G.S	U.S. ARMY CORPS OF ENGINEERS UNITED STATES COAST AND GEODETIC SURVEY UNDERGROUND TELEPHONE			RAILROAD TRACK
GV H&T	GATE VALVE HUB AND TAC	UT V.VAL	VALVE, VENT			STEEL ENCASEMENT
HORIZ HPT	HORIZONTAL HIGH POINT	VAR VC	VARIABLE VERTICAL CURVE			
HYD ID	HYDRANT INSIDE DIAMETER	VERT VESCR	VERTICAL VIRGINIA EROSION AND SEDIMENT CONTROL REGULATIONS		-	CONCRETE ENCASEMENT/CAP AS NOTED
IN INSUL	INCH INSULATION	VOL VDOT	VOLUME VIRGINIA DEPARTMENT OF TRANSPORTATION			CONCRETE ENCASEMENT
INV IP	INVERT IRON PIN (FOUND OR SET NOTED)	V.S.D. W.B.L.	VERTICAL SIGHT DISTANCE WESTBOUND LANE			ABANDON OR REMOVE
					<u> </u>	

WATER SURFACE

WATERTIGHT, WEIGHT

WATER LINE

WITHOUT

WIDE FLANGE, WIDE, WASTE, WATER

WESTERN VIRGINIA WATER AUTHORITY

WEST VIRGINIA DEPARTMENT OF HIGHWAYS

KILOVOLT

LENGTH, LONG LINEAL FOOT

LIGHT POLE

MAXIMUM

MAIL BOX

MAX

MB MBL LONG RADIUS

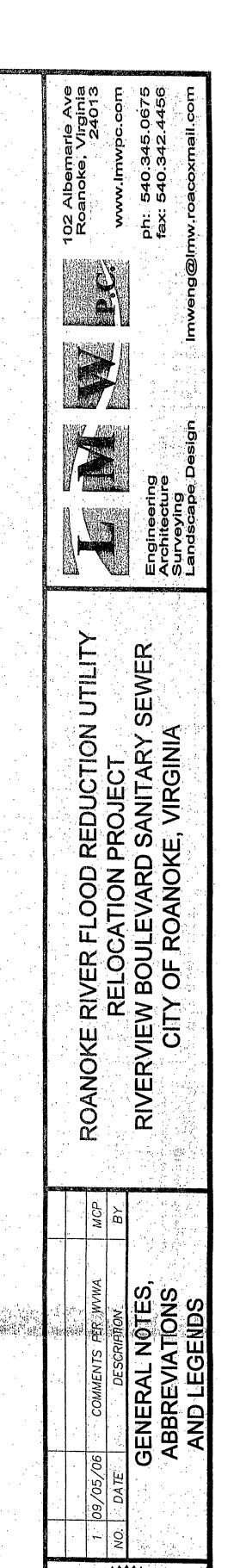
MINIMUM BUILDING LINE

MASONRY OF HIGHWAYS MATL MATERIAL WVWA

ENGINEERING LEGEND / SYMBOLS

BENCH CUT LIMITS BY USACOE

TRAIL BY USACOE



Drawing 3161 U3 SS.dwg

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