

AB	ANCHOR BOLT	EW	PLYWOOD	PLYWD	POINT ON LINE	MATERIALS SYMBOLS	EXISTING	NEW	DESCRIPTION
ABAN	ABANDON OR ABANDONED	EXIST	EXISTING	POL	POINT ON LINE				BUILDING WITH PORCH OR STOOP
ABUT	ABUTMENT	EXP	EXPANSION	PP	POWER POLE				FOUNDATION ONLY
ABV	ABOVE	EXT	EXTERIOR	POT	POINT ON TANGENT				CONTOUR, CONTOUR WITH ELEVATION
ACT	ACOUSTICAL	FR	FRAME	PRC	POINT OF REVERSE CURVE				SPOT ELEVATION
ADD	ADDITIONAL	FD	FLOOR DRAIN	PSI	POUNDS PER SQUARE INCH				CONCRETE CURB
ADJ	ADJACENT	FDN	FOUNDATION	PT	POINT OF TANGENT				CONCRETE CURB & GUTTER
AFF	ABOVE FINISH FLOOR	FES	FLARED END SECTION	PVC	POLYVINYL CHLORIDE				CONCRETE WALK OR SLAB
AGGR	AGGREGATE	FF	FINISH FLOOR	PVI	POINT OF VERTICAL INTERSECTION				PAVEMENT
ALUM	ALUMINUM	FFE	FINISHED FLOOR ELEVATION	PVMT	PAVEMENT				UNPAVED OR GRAVEL ROAD
ALT	ALTERNATE	FH	FIRE HYDRANT	PVT	PRIVATE				TREE LINE
ANC	ANCHOR	FIG	FIGURE	R	RADIUS, RISER				TREE OR SHRUB
APPROX	APPROXIMATE	FIN	FINISH	RAS	RETURN ACTIVATED SLUDGE				FENCE
ARCH	ARCHITECTURAL	FIXT	FIXTURE	RR	RAIL ROAD				CENTERLINE CREEK, SWALE OR DITCH
AWWA	AMERICAN WATER WORKS ASSOCIATION	FL	FLOOR	RCP	REINFORCED CONCRETE PIPE				PROPERTY LINE
AVG	AVERAGE	FLEX	FLEXIBLE	RD	ROOF DRAIN, ROAD				CENTERLINE OR BASELINE
BIT	BITUMINOUS	FLG	FLANGE	RDCR	REDUCER				LIMIT OF WORK LINE
BJ	BELL JOINT	FT	FOOT	RECPT	RECEPTACLE				FIELD SURVEY TRAVERSE POINT
BL	BASE LINE	FTG	FOOTING	RECT	RECTANGULAR				P.C. OR P.T.
BEG	BEGIN OR BEGINNING	FUT	FUTURE	REINF	REINFORCE, REINFORCEMENT				GEOLOGIC BORE HOLE
BLDG	BUILDING	GAL	GALLON	REF	REFERENCE				STORM DRAIN AND ENDWALL
BLKG	BLOCKING	GALV	GALVANIZED	REL	RELOCATED				SANITARY SEWER
BM	BENCH MARK, BEAM	GAR	GARAGE	REQD	REQUIRED				FORCE MAIN
BOTT	BOTTOM	GND	GROUND	REV	REVISION				GAS MAIN OR SERVICE LINE
BP	BYPASS	GR	GRAVEL	RTE	ROUTE				WATER MAIN OR SERVICE LINE
BRG	BEARING	GOVT	GOVERNMENT	RT	RIGHT				ELECTRICAL LINE
BSMT	BASEMENT	GPM	GALLONS PER MINUTE	R/W	RIGHT OF WAY				UNDERGROUND ELECTRICAL LINE
BV	BUTTERFLY VALVE	GRTG	GRATING	S	SANITARY SEWER, SOUTH, SWITCH				PIPE FITTINGS
C	CHANNEL, COLD	GV	GATE VALVE	SAN	SANITARY				FIRE HYDRANT
C/C, C TO C	CENTER TO CENTER	GW	GRAY WATER	SCH	SCHEDULE				GATE VALVE
CAB	CABINET	H	HOT	SD	STORM DRAIN				CLEANOUT
CAP	CAPACITY	HB	HOSE BIBB	SECT	SECTION				MANHOLE
CF	CUBIC FEET	HK	HOOK	SER	SERVICE				DROP INLET (CURB AND GRATING TYPES)
CG	CHANGE OF GRADE	HM	HOLLOW METAL	SH	SHEET				G.M. - GAS METER, W.M. - WATER METER
C & G	CURB AND GUTTER	HOR, HORIZ	HORIZONTAL	SHTG	SHEETING				TELEPHONE LINE
CI	CAST IRON	HP	HORSE POWER	SIM	SIMILAR				TELEPHONE POLE, GUY AND ANCHOR
CIRC	CIRCULAR	HPT	HIGH POINT	SPEC	SPECIFICATION				POWER POLE, GUY AND ANCHOR
CKT	CIRCUIT	HYD	HYDRANT	SQ	SQUARE				LIGHT POLE
CL	CENTER LINE	ID	INSIDE DIAMETER	SS	STAINLESS STEEL				TELEPHONE PEDESTAL
CLR	CLEAR	IN	INCH	ST	STREET				BURIED TELEPHONE VAULT
CONST	CONSTRUCTION	INSUL	INSULATION	STA	STATION				ABANDON OR REMOVE
COR	CORNER	INV	INVERT	STD	STANDARD				PAVED DITCH
CMP	CORRUGATED METAL PIPE	IP	IRON PIN	STL	STEEL				DRIVEWAY CULVERT
CMU	CONCRETE MASONRY UNITS	JT	JOINT	STRUCT	STRUCTURAL				CULVERT WITH FLARED END SECTION
CND	CONDUIT	JB	JUNCTION BOX	STY	STORY				WATER VALVE
CO	CLEAN OUT	L	LENGTH, LONG	SUR	SURVEY				HUB AND TACK
COMB	COMBINATION	LF	LINEAL FOOT	SURF	SURFACE				COORDINATE POINT
CONC	CONCRETE	LG	LONG	S/W	SIDEWALK				
CONN	CONNECT, CONNECTION	LP	LIGHT POLE	SYMM	SYMMETRICAL				
CONT	CONTINUOUS, CONTROL	LR	LONG RADIUS	T	TREAD, TOP				
CONTR	CONTRACTOR	LT	LEFT	T & B	TOP AND BOTTOM				
CONV	CONVEYOR	LTG	LIGHTING	TDC	TURNED DOWN CURB				
CP	COORDINATE POINT	MACH	MACHINERY	TELE	TELEPHONE				
CR STONE	CRUSHED STONE	MAS	MASONRY	TEMP	TEMPORARY				
CTR	CENTER	MATL	MATERIAL	THK	THICK				
CULV	CULVERT	MAX	MAXIMUM	TP	TELEPHONE POLE				
CY	CUBIC YARD	MECH	MECHANICAL	TRTD	TREATED				
D	DEPTH OR DEGREE OF CURVE	MFR	MANUFACTURER	TS	TOP OF SLAB				
DEPT	DEPARTMENT	MH	MANHOLE, MOUNTING HEIGHT	TV	TELEVISION				
DF	DRINKING FOUNTAIN	MIN	MINIMUM	TW	TOP OF WALL				
DI	DROP INLET, DUCTILE IRON	MISC	MISCELLANEOUS	TYP	TYPICAL				
DIA	DIAMETER	MJ	MECHANICAL JOINT	UG	UNDERGROUND				
DIM	DIMENSION	MO	MASONRY OPENING	UON	UNLESS OTHERWISE NOTED				
DISC	DISCONNECT	MON	MONUMENT	U.S.C.&G.S.	UNITED STATES COAST AND GEODETIC SURVEY				
DMH	DROP MANHOLE	MTD	MOUNTED	USGS	UNITED STATES GEOLOGICAL SURVEY				
DN	DOWN	MTG	MOUNTING	V, VAL	VALVE				
DR	DRIVE	MTL	METAL	VAP BAR	VAPOR BARRIER				
DS	DOWN SPOUT	MV	MUD VALVE	VC	VERTICAL CURVE				
DTL	DETAIL	N & C	NAIL AND CAP	VERT	VERTICAL				
DW,D/W	DRIVEWAY	NIC	NOT IN CONTRACT	VOL	VOLUME				
DWL	DWELLING	NO	NUMBER	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION				
DWG	DRAWING	NTS	NOT TO SCALE	V.S.D.	VERTICAL SIGHT DISTANCE				
E	EAST	OC	ON CENTERS	W.B.L.	WEST BOUND LANE				
EA	EACH	OD	OUTSIDE DIAMETER	W	WIDE FLANGE, WIDE				
E.B.L.	EASTBOUND LANE	OPER	OPERATOR	W/	WITH				
EF	EACH FACE	OPNG	OPENING	WD	WOOD				
EJ	EXPANSION JOINT	OPP	OPPOSITE	WL	WATER LINE				
EL, ELEV	ELEVATION	PC	POINT OF CURVE	WS	WATER SURFACE				
ELEC	ELECTRICAL	PCC	POINT OF COMPOUND	WT	WATERTIGHT, WEIGHT				
ENGR	ENGINEER	PER	PERIMETER	WVDH	WEST VIRGINIA DEPARTMENT OF HIGHWAYS				
ENTR	ENTRANCE	PERF	PERFORATED	WWF	WELDED WIRE FABRIC				
EOL	END OF LINE	PERP	PERPENDICULAR						
EP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION						
EQ	EQUAL	PIV	POST INDICATOR VALVE						
EQPT	EQUIPMENT	PL	PLATE, PROPERTY LINE						

	CULVERT INLET PROTECTION		STORM DRAIN INLET PROTECTION
	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE		RIPRAP
	SILT FENCE		

EROSION AND SEDIMENT CONTROL SYMBOLS

ROANOKE CENTRE FOR INDUSTRY & TECHNOLOGY

WATER STORAGE TANK – CONTRACT I

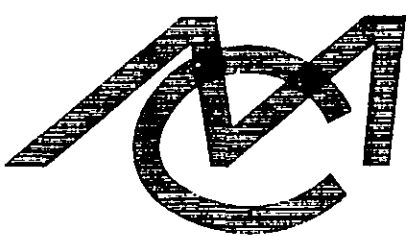
CITY OF ROANOKE,

VIRGINIA

GENERAL ABBREVIATIONS AND LEGEND

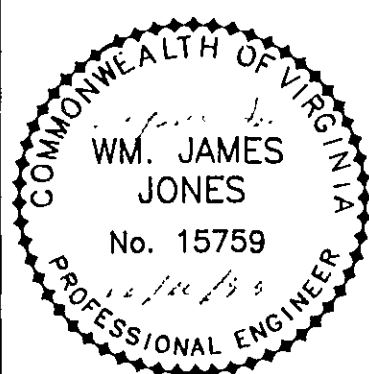
SHEET

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Mattern & Craig
CONSULTING ENGINEERS – SURVEYORS

DESIGNED: BCC
DRAWN: SMM
CHECKED:



REV.	DATE	DESCRIPTION	BY	APP.