

ABBREVIATIONS

ABUT	ABUTMENT	PSI	POUNDS PER SQ INCH
ADD	ADDITIONAL	PT	POINT OF TANGENT
ADJ	ADJACENT	PVC	POINT OF VERTICAL CURVE
AGGR	AGGREGATE	R	POLYVINYL CHLORIDE
AHR	ANCHOR	PVI	POINT OF VERTICAL INTERSECTION
AL	ALUMINUM	PVMT	PAVEMENT
ALT	ALTERNATE	PVT	POINT OF VERTICAL TANGENT
APPROX	APPROXIMATE	R	RADIUS
AHWA	AMERICAN WATER WORKS ASSOCIATION	RT	RIGHT
BIT	BITUMINOUS	R/W	RIGHT OF WAY
BL	BASE LINE	RD	ROOF DRAIN, ROAD
BLDG	BUILDING	RDCR	REDUCER
BM	BENCH MARK	REINF	REINFORCE, REINFORCEMENT
BOT	BOTTOM	REQD	REQUIRED
B	BRICK	REV	REVISION
BSMT	BASEMENT	S	SANITARY SEWER, SOUTH, STORY
C TO C / C	CENTER TO CENTER	SAN	SANITARY
C & G	CURB & GUTTER	SCH	SCHEDULE
CAP	CAPACITY	SD	STORM DRAIN
CF	CUBIC FEET	SECT	SECTION
CY	CUBIC YARD	SH	SHEET
CI	CAST IRON	SIM	SIMILAR
CIRC	CIRCULAR	SPEC	SPECIFICATION
CL	CENTER LINE	SQ	SQUARE
CLR	CLEAR	SST	STAINLESS STEEL
CMP	CORRUGATED METAL PIPE	ST	STREET
CND	CONDUIT	STA	STATION
CO	CLEAN OUT	STD	STANDARD
COL	COLUMN	STL	STEEL
CONC	CONCRETE	SURF	SURFACE
CONN	CONNECT, CONNECTION	SER	SERVICE
CONT	CONTINUOUS	SUR	SURVEY
CONTR	CONTRACTOR	TDC	TURNED DOWN CURB
CTR	CENTER	TELE	TELEPHONE
CULV	CULVERT	TEMP	TEMPORARY
D	DEPTH DEGREE OF CURVE	THK	THICK
DEPT	DEPARTMENT	TV	TELEVISION
DET	DETAIL	TW	TOP OF WALL
DI	DROP INLET, DUCTILE IRON	TYP	TYPICAL
DIA	DIAMETER	UG	UNDERGROUND
DIM	DIMENSION	V	VALVE
DISC	DISCONNECT	VC	VERTICAL CURVE
DMH	DROP MANHOLE	VERT	VERTICAL
DN	DOWN	VOL	VOLUME
DR	DRIVE	VDHT	VIRGINIA DEPT OF HIGHWAYS AND TRANSPORTATION
DWL	DWELLING	W/	WITH
DWG	DRAWING	W/O	WITHOUT
E	EAST	WD	WOOD
EA	EACH	WL	WATER LINE
EF	EACH FACE	WS	WATER SURFACE
EJ	EXPANSION JOINT	WT	WATERTIGHT
ELEV	ELEVATION	WWF	WELDED WIRE FABRIC
ELEC	ELECTRIC, ELECTRICAL	WVDH	WEST VIRGINIA DEPT OF HIGHWAYS
ENGR	ENGINEER		
ENTR	ENTRANCE		
EOL	END OF LINE		
EP	EDGE OF PAVEMENT		
EQ	EQUAL		
EQPT	EQUIPMENT		
EW	EACH WAY, ENDWALL		
EXST	EXISTING		
EXT	EXTERIOR		
F	FRAME		
FD	FLOOR DRAIN		
FDN	FOUNDATION		
FES	FLARED END SECTION		
FIG	FIGURE		
FIN	FINISH		
FL	FLOOR		
FLEX	FLEXIBLE		
FLG	FLANGE		
FT	FOOT		
FTG	FOOTING		
GAL	GALLON		
GALV	GALVANIZED		
GND	GROUND		
GOVT	GOVERNMENT		
GPM	GALLONS PER MINUTE		
GV	GATE VALVE		
HB	HOSE BIBB		
HORZ	HORIZONTAL		
HP	HORSEPOWER		
HPT	HIGH POINT		
HYD	HYDRANT		
ID	INSIDE DIAMETER		
IN	INCH		
INVT	INVERT		
JB	JUNCTION BOX		
L	LENGTH		
LF	LINEAL FOOT		
LP	LOW POINT		
LT	LEFT		
MATL	MATERIAL		
MAX	MAXIMUM		
MFR	MANUFACTURER		
MN	MANHOLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MON	MONUMENT		
N & C	NAIL & CAP		
NIC	NOT IN CONTRACT		
NO	NUMBER		
NTS	NOT TO SCALE		
OC	ON CENTER		
OD	OUTSIDE DIAMETER		
OPNG	OPENING		
OPP	OPPOSITE		
PC	POINT OF CURVE		
PCC	POINT OF COMPOUND CURVE		
PI	POINT OF INTERSECTION		
PIV	POST INDICATOR VALVE		
PL	PLATE, PROPERTY LINE		
POT	POINT ON TANGENT		
PERF	PERFORATED		
POL	POINT ON LINE		
PRC	POINT OF REVERSE CURVE		

LEGEND

EXISTING	NEW	DESCRIPTION
		BUILDING WITH PORCH OR STOOP
		FOUNDATION ONLY
		CONTOUR, CONTOUR WITH ELEVATION
		SPOT ELEVATION
		CONCRETE CURB
		CONCRETE CURB & GUTTER
		CONCRETE WALK OR SLAB
		PAVEMENT
		UNPAVED OR GRAVEL ROAD
		TREE LINE
		TREE OR SHRUB
		FENCE AND GATE
		CENTERLINE OF DITCH OR SWALE
		PROPERTY LINE
		CENTERLINE OR BASELINE
		LIMIT OF WORK LINE
		FIELD SURVEY TRAVERSE POINT
		P.C. OR P.T.
		GEOLOGIC BORE HOLE
		STORM DRAIN AND ENDWALL
		SANITARY SEWER
		GAS MAIN OR SERVICE LINE
		WATER MAIN OR SERVICE LINE
		ELECTRICAL LINE
		PIPE FITTINGS AND REACTION BLOCKING
		FIRE HYDRANT
		GATE VALVE
		CLEANOUT
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
		G.M. - GAS METER, W.M. - WATER METER
		TELEPHONE LINE
		TELEPHONE POLE, GUY AND ANCHOR
		POWER POLE, GUY AND ANCHOR
		TELEPHONE PEDESTAL
		BURIED TELEPHONE VAULT
		ABANDON OR REMOVE
		PAVED DITCH
		DRIVEWAY CULVERT
		CULVERT WITH FLARED END SECTION
		IRON PIN OR PINCH PIPE
		EROSION CONTROL STONE
		STRAW BALES AND SILT TRAP
		STORM DRAIN INLET PROTECTION
		TEMPORARY DIVERSION DIKE
		TEMPORARY SEDIMENT TRAP
		TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
		STRAW BALE BARRIER
		RIPRAP
		FORCE MAIN

GENERAL NOTES

1. THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS INDICATED ON THE DRAWING INsofar AS THEIR EXISTENCE AND LOCATION WERE KNOWN AT THE TIME OF PREPARATION OF THE 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 LOCATION OF SUCH UTILITIES. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.
2. THE CONTRACTOR IS DIRECTED TO DIG AND LOCATE ALL UTILITIES IN ADVANCE OF THE PIPE LAYING, TO ALLOW FOR ADJUSTMENTS IN THE WATER LINE DUE TO CONFLICTS WITH THE UTILITIES. THE HORIZONTAL AND VERTICAL LOCATION OF THE WATER LINE ON THE FOLLOWING SHEETS SHALL BE ADJUSTED TO SUIT CONDITIONS CAUSED BY THE EXISTING UTILITIES.
3. ALL WATER LINE WORK SHALL BE ACCOMPLISHED SO THAT DOMESTIC WATER SERVICE AND FIRE PROTECTION ARE MAINTAINED EXCEPT WHEN SEGMENTS BETWEEN VALVES CAN BE SHUT OFF TO CONNECT HYDRANTS AND/OR SERVICES.
4. ONE LANE TRAFFIC SHALL BE MAINTAINED ON STREETS DURING WORKING HOURS; TWO LANES SHALL BE MAINTAINED DURING NON-WORKING HOURS. RESIDENTS SHALL HAVE ACCESS TO THEIR DRIVEWAYS DURING NON-WORKING HOURS.
5. WATER VALVE COVERS SHALL BE ADJUSTED TO NEW FINISHED GRADE PRIOR TO PAVING.
6. TOPOGRAPHIC SURVEY TAKEN FROM A SURVEY BY GUFFEY, HUBBELL, MCGHEE DATED APRIL 1984.
7. ALL BENDS, TEES, PLUGS OR CHANGES IN DIRECTION OF THE WATER PIPE SHALL HAVE ANCHORAGE (THRUST BLOCKS) OR HARNESSING AS SPECIFIED.

VICINITY MAP



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REVISION	DATE	DESCRIPTION	BY	APP.

DATE
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COMM.
469

ABBREVIATIONS, LEGEND, GENERAL NOTES AND
VICINITY MAP