ABBREVIATIONS

ABUT	ABUTMENT
ADD	ADDITIONAL
ADJ	ADJACENT
AGGR	AGGREGATE
AHR	ANCHOR
AL	ALUMINUM
ALT	ALTERNATE
APPROX	APPROXIMATE
AWWA	AMERICAN WATER WORKS ASSOCIATION
BIT	BITUMINOUS
BL	BASE LINE
BLDG	BUILDING
BM	BENCH MARK
BOT	BOTTOM
B	BRICK
BSMT	BASEMENT
C TO C C/C	CENTER TO CENTER
C & G	CURB & GUTTER
CAP	CAPACITY
CF	CUBIC FEET
CY	CUBIC YARD
CI	CAST IRON
CIRC	CIRCULAR
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CND	CONDUIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT, CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
CULV	CULVERT
D	DEPTH DEGREE OF CURVE
DEPT	DEPARTMENT
DET	DETAIL
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DMH	DROP MANHOLE
DN	DOWN
DP	DRIVE
DWL	DWELLING
DWG	DRAWING
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
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
MH	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
PSI	POUNDS PER SQ INCH
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
RT	RIGHT
R/W	RIGHT OF WAY
RD	ROOF DRAIN, ROAD
RDCR	REDUCER
REINF	REINFORCE, REINFORCEMENT
REQD	REQUIRED
REV	REVISION
S	SANITARY SEWER, SOUTH, STORY
SAN	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SH	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SURF	SURFACE
SER	SERVICE
SUR	SURVEY
TDC	TURNED DOWN CURB
TELE	TELEPHONE
TEMP	TEMPORARY
THK	THICK
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
UC	UNDERGROUND
V	VALVE
VC	VERTICAL CURVE
VERT	VERTICAL
VOL	VOLUME
VDHT	VIRGINIA DEPT OF HIGHWAYS AND TRANSPORTATION
W/	WITH
W/O	WITHOUT
WD	WOOD
WL	WATER LINE
WS	WATER SURFACE
WT	WATERTIGHT
WWF	WELDED WIRE FABRIC
WVDH	WEST VIRGINIA DEPT OF HIGHWAYS

N.I.C. NOT IN CONTRACT

LEGEND

EXISTING	NEW	DESCRIPTION
		BUILDING WITH PORCH OR STOOP
		FOUNDATION ONLY
35	35	CONTOUR, CONTOUR WITH ELEVATION
+ 20.0	+ 20.0	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
SD	SD	STORM DRAIN AND ENDWALL
S	S	SANITARY SEWER
G	G	GAS MAIN OR SERVICE LINE
W	W	WATER MAIN OR SERVICE LINE
E	E	ELECTRICAL LINE
		PIPE FITTINGS AND REACTION BLOCKING
		FIRE HYDRANT
		GATE VALVE
CO CO	CO CO	CLEANOUT
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
GM WM	GM WM	G.M. - GAS METER, W.M. - WATER METER
T		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
EC-1		EROSION CONTROL STONE
		STRAW BALES AND SILT TRAP
IP		STORM DRAIN INLET PROTECTION
DD		TEMPORARY DIVERSION DIKE
ST		TEMPORARY SEDIMENT TRAP
CE		TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
STB		STRAW BALE BARRIER
RR		RIPRAP
FM	FM	FORCE MAIN

GENERAL NOTES

1. FIELD SURVEY PERFORMED BY GUFFEY, HUBBELL, McGHEE, P.C. IN APRIL 1984.
2. BENCHMARK DATUM IS NOTED ON DRAWINGS.
3. THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS INDICATED ON THE DRAWINGS 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 LOCATIONS OF SUCH UTILITIES. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.
4. THE CONTRACTOR IS DIRECTED TO DIG AND LOCATE ALL UTILITIES IN ADVANCE OF THE PIPELAYING, 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.

SEE SHEET 1 FOR
VICINITY MAP

Mattern & Craig
CONSULTING ENGINEERS
SUITE 401, 707 S. JEFFERSON STREET, ROANOKE, VIRGINIA 24011, (703) 345-9342

COMMONWEALTH OF VIRGINIA
STEWART W. HUBBELL
No. 07420
PROFESSIONAL ENGINEER

REVISION	DATE	DESCRIPTION	BY	APP.

DATE
MAY 1984

COMM.
468 & 470

ABBREVIATIONS, LEGEND, GENERAL NOTES AND VICINITY MAP

SHEET
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