

ABBREVIATIONS

ABT ABOUT
ABUT. ABUTMENT
ABV ABOVE
ADJ ADJACENT
AGGR AGGREGATE
ALT ALTERNATE
APPROX APPROXIMATE
ASPH ASPHALT
BC BOTTOM OF CURB
BET. BETWEEN
BITUM BITUMINOUS
BL BASE LINE
BLDG BUILDING
BLK BLOCK
BLW BELOW
BM BENCH MARK
BOT BOTTOM
BRG BEARING
BRK BRICK
C TO C CENTER TO CENTER
C & G CURB & GUTTER
CB CATCH BASIN
CHIS CHISELED
CI CAST IRON
CIP CAST IN PLACE
CL, C CENTER LINE
CMP CORRUGATED METAL PIPE
CMU CONCRETE MASONRY UNITS
CND CONDUIT
CO CLEANOUT
CONC CONCRETE
CONN CONNECT, CONNECTION
CONST CONSTRUCTION
CONT CONTINUOUS, CONTINUATION
CONTR CONTRACT, CONTRACTOR
COORD COORDINATE
COR CORNER
COV COVER
CTR CENTER
CULV CULVERT
DB DIRECT BURIAL CABLE
DBL DOUBLE
DEG DEGREE
DEPT DEPARTMENT
DET DETAIL
DI DUCTILE IRON
DIA DIAMETER
DIM. DIMENSION
DIP. DUCTILE IRON PIPE
DMH DROP MANHOLE
DN DOWN
DR DOOR, DRIVE
DWEL DWELLING
DWG DRAWING
E EAST
EA EACH
EL ELEVATION
ELEC ELECTRIC, ELECTRICAL
ENTR ENTRANCE

EP EDGE OF PAVEMENT
EW END WALL
EXST EXISTING
FES FLARED END SECTION
FHYD FIRE HYDRANT
FIN. FINISH
FL FLOOR
FLEX. FLEXIBLE
F&C FRAME AND COVER
FT FOOT
G GAS, GAS MAIN OR SERVICE LINE
GM GAS METER
GND GROUND
GR GRADE
GRT GROUT
GTV GATE VALVE
GVL GRAVEL
HDWL HEADWALL
HGT HEIGHT
HORIZ HORIZONTAL
HPT HIGH POINT
HYD HYDRANT
JWH JUNCTION BOX
INV INVERT
IP IRON PIN
JB JUNCTION BOX
L LEFT
LAT LATERAL
LF LINEAR FOOT, LINEAR FEET
LS LUMP SUM
LT LIGHT
M METER
MATL MATERIAL
MAX MAXIMUM
MET. METAL
MFR MANUFACTURER
MH MANHOLE
MIN MINIMUM
MISC MISCELLANEOUS
MON MONUMENT
N NORTH
N & D NAIL AND DISC
NIC NOT IN CONTRACT
NO., NOS NUMBER, NUMBERS
NTS NOT TO SCALE
OC ON CENTER
OVHD OVERHEAD
P POLE
PL PROPERTY LINE
POL POINT ON LINE
PVC POLYVINYLCHLORIDE
PVMT PAVEMENT
R ROUND (DIAMETER)
R RIGHT
R/W RIGHT OF WAY
RAD RADIUS
RCP REINFORCED CONCRETE PIPE
RD ROAD
REQD REQUIRED
REV REVISION

S SOUTH, SANITARY SEWER
SAN SANITARY
SD STORM DRAIN
SEP SEPERATION
SIM SIMILAR
SMH SANITARY MANHOLE
SPEC SPECIFICATION
SQ SQUARE
SS SANITARY SEWER
ST STREET
STA STATION
STD STANDARD
STL STEEL
STOR STORAGE
STR STRAIGHT
STRUC STRUCTURAL
STRUC STRUCTURE
SUBSTA SUBSTATION
SW SIDEWALK
SY SQUARE YARD
T TELEPHONE
TBM TEMPORARY BENCH MARK
TC TOP OF CURB
TEL TELEPHONE
TMP TAX MAP PARCEL
TN TON
TOC TOP OF CONCRETE
TOT. TOTAL
TW TOP OF WALL
TYP TYPICAL
UG UNDERGROUND
UNO UNLESS NOTED OTHERWISE
V VALVE
VF VERTICAL FOOT
W WEST, WATER MAIN OR SERVICE LINE
W/ WITH
W/O WITHOUT
WM WATER METER
WS WATER SURFACE
WT WATERTIGHT
WTR WATER
XFMR TRANSFORMER
YD YARD
YHYD YARD HYDRANT

LEGEND

EXISTING	NEW	DESCRIPTION
		ABANDON EXST UTILITY
		BUILDING AND PORCH OR STOOP
		CONCRETE CURB
		CONCRETE CURB AND GUTTER
		PAVEMENT
		UNPAVED OR GRAVEL ROADWAY
		GUARDRAIL
		TREE LINE
		INDIVIDUAL TREE OR SHRUB
		FENCE AND GATE
		C OF SWALE OR DITCH
		PROPERTY LINE OR RIGHT OF WAY
		PROPERTY CORNER (IRON PIN FOUND)
		SEWER EASEMENT
		CENTER OR BASE LINE
		TEMPORARY CONSTRUCTION EASEMENT
		CLEANOUT
		STORM DRAIN AND HEAD WALL
		SANITARY SEWER
		WATER MAIN OR SERVICE LINE
		GAS MAIN OR SERVICE LINE
		VALVE IN BOX, MANHOLE OR VAULT
		HYDRANT ASSEMBLY, NOTED YHYD OR FHYD
		MANHOLE
		STORM DRAIN INLET STRUCTURE
		WATER METER
		POLE WITH LIGHT
		UTILITY POLE, GUY AND ANCHOR
		PLUG
		BENCH MARK
		TRAVERSE STATION

RECORD DRAWING

SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY	
			ACTUAL	PROPOSAL
1.	MOBILIZATION	LS	1	1
2.	8" SANITARY SEWER PIPE	LF	3986	3980
3.	4" SANITARY SEWER LATERAL PIPE	LF	309	235
4.	4" X 8" FITTING	EA	24	35
5.	MANHOLE	VF	231	255
6.	STANDARD MANHOLE FRAME & COVER	EA	6	9
7.	WATERTIGHT MANHOLE FRAME & COVER	EA	21	21
8.	CLEANOUT	EA.	3	3
9.	RIP RAP	SY	66	38
10.	AUTHORIZED OVEREXCAVATION	CY	0	40
11.	AGGREGATE BACKFILL	CY	1193	1150
12.	AGGREGATE BASE MATERIAL	SY	0	535
13.	ASPHALT CONCRETE SURFACE MATERIAL	SY	629	645
14.	FENCE REPLACEMENT @ 1009 RAY STREET	LS	1	1
15.	RECORD DRAWINGS	LS	1	1

HAYES, SEAY, MATTERN AND MATTERN
ARCHITECTS/ENGINEERS/PLANNERS

DESIGNED: DMC
DRAWN: DMC
CHECKED: DMH
APPROVED: DMH

REVISIONS	
DATE	DESCRIPTION
7/3/97	DMC RECORD DRAWINGS PREPARED FROM DRAWINGS AND INFORMATION PROVIDED BY PRILLAMAN AND PACE, INC.

SEWER REPLACEMENT PROJECT GC-1
GARDEN CITY SEWERSHED
ROANOKE, VIRGINIA

ABBREVIATIONS, LEGEND & SUMMARY OF QUANTITIES

COMM. NO.: 7122B SCALE: NONE DATE: JUNE 19 1996

SHEET NO.
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