


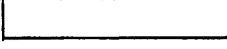
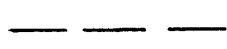
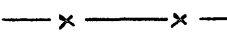



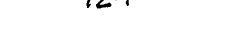


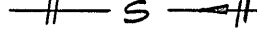





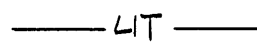
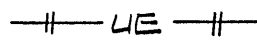











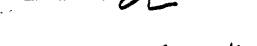



ABBREVIATIONS















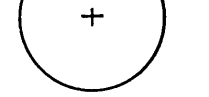
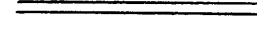
D.I.	DROP INLET
D.E.	DRAINAGE EASEMENT
ELEV.	ELEVATION
EXIST.	EXISTING
INV.	INVERT
L	LENGTH
M.H.	MANHOLE
PVMT.	PAVEMENT
S.S.E.	SANITARY SEWER EASEMENT
STA.	STATION
STD.	STANDARD
P.V.C.	POINT OF VERTICAL CURVATURE
V.C.	VERTICAL CURVE
P.V.T.	POINT OF VERTICAL TANGENCY
S.D.	SIDE DISTANCE
P.V.I.	POINT OF VERTICAL INTERSECTION
SAN.	SANITARY

LEGEND

EXISTING

	MANHOLE
	STORM DRAIN INLET
	STORM DRAIN LINE & SIZE
	BUILDING
	EDGE OF STREET
	FENCE
	FIRE HYDRANT
	GATE VALVE
	PROPERTY LINE
	CONTOUR LINE

	SANITARY SEWER TO BE ABANDONED
	SANITARY SEWER TO REMAIN
	WATER LINE TO BE ABANDONED
	WATER LINE TO REMAIN
	GAS LINE TO BE ABANDONED
	GAS LINE TO REMAIN
	UNDERGROUND TELEPHONE TO BE ABANDONED
	UNDERGROUND TELEPHONE TO REMAIN
	UNDERGROUND ELECTRIC TO BE ABANDONED
	UNDERGROUND ELECTRIC TO REMAIN
	SANITARY SEWER MANHOLE TO BE ABANDONED
	SANITARY SEWER MANHOLE TO REMAIN
	WATER VALVE TO BE ABANDONED
	WATER VALVE TO REMAIN
	FIRE HYDRANT TO BE ABANDONED
	FIRE HYDRANT TO REMAIN
	UTILITY POLE TO BE REMOVED
	UTILITY POLE TO REMAIN
	TELEPHONE POLE TO REMAIN
	BUILDING TO BE REMOVED
	PAVING TO BE REMOVED
	OVERHEAD ELECTRIC TO REMAIN
	OVERHEAD ELECTRIC TO BE REMOVED

	NEW STORM DRAIN LINE & SIZE
	SEWER LINE
	WATER LINE
	STORM DRAIN INLET
	MANHOLE
	DRAINAGE STRUCTURE REFERENCE NUMBER
	NEW CURB & GUTTER
	CONTOUR LINE
	BITUMINOUS PAVING
	CITY OF ROANOKE STANDARD ENTRANCE
	PROJECT BOUNDARY
	WATER VALVE
	THRUST BLOCK
	FIRE HYDRANT
	PROPOSED TREES
	SWALE GUTTER

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITIES	
		PROJECT	OFF-SITE
SEEDING - MIXTURE A	AC	1.5	0.2
SEEDING - MIXTURE B	AC	14.5	
15" STORM DRAIN PIPE	LF	143	70
18" STORM DRAIN PIPE	LF	75	
24" STORM DRAIN PIPE	LF	840	
DI-3B DROP INLET L= 6 FT	EA	1	
DI-3B DROP INLET L= 8 FT	EA	1	
DI-3B DROP INLET L= 14 FT	EA	1	
DI-3B DROP INLET L= 16 FT	EA	0	1
DI-3B DROP INLET L= 18 FT	EA	2	
DI-3B DROP INLET L= 20 FT	EA	2	
DI-3C DROP INLET L= 6 FT	EA	1	
DI-3C DROP INLET L= 8 FT	EA	1	
DR-3C DROP INLET L= 20 FT	EA	1	
6" SANITARY SEWER	LF	318	
8" SANITARY SEWER	LF	1034	
10" SANITARY SEWER	LF	646	132
12" SANITARY SEWER	LF	982	
CONN. TO EXIST. STORM DRAIN	EA	5	
CONN. TO EXIST. SANITARY SEWER	EA	6	1
MANHOLE BARREL	VF	120	
MANHOLE FRAME AND COVER	EA	11	
DROP MANHOLE CONNECTION	EA	1	
SERVICE CONNECTIONS SAN SEWER	EA	6	
6" WATER MAIN	LF	1000	
8" WATER MAIN	LF	1760	40
6" GATE VALVE AND VAULT	EA	15	
8" GATE VALVE AND VAULT	EA	5	
CONN. TO EXIST. WATER SYSTEM	EA	2	1
FIRE HYDRANTS	EA	6	
TRENCH STABILIZATION MATERIAL	CY	90	
UTILITY ROCK EXCAVATION	CY	1160	
PAVEMENT REPLACEMENT	SY	10	
AGGREGATE BASE	TON	3350	1540
BITUMINOUS CONCRETE BASE TYPE B-3	TON	2840	1540
BITUMINOUS CONCRETE SURFACE TYPE S-5	TON	1120	515
CONCRETE CURB AND GUTTER	LF	4000	1460
CONCRETE SIDEWALK	SY	40	
CONCRETE ENTRANCE	SY	75	75
STREET NAME SIGN ASSEMBLY IN PLACE	EA	4	
CONCRETE MEDIAN VDOT STD MS-1	LF	145	
STREET TREES	EA	61	
SWALE GUTTER	LF		270

REVISION	DATE	DESCRIPTION
DESIGNED	BLH.	
DRAWN	T.S.B.	
CHECKED		
DEANWOOD COMMUNITY DEVELOPMENT PROGRAM (CD-2) ABBREVIATIONS, LEGEND, AND SUMMARY OF QUANTITIES		
BUFORD T. LUMSDEN & ASSOCIATES, P.C. ENGINEERS-SURVEYORS ROANOKE, VIRGINIA		SCALE DATE 23 MAR 1984 SHEET # 2 OF 14