

SUPERVISED BY P.C. SCHIRMER
DESIGNED BY G.L. HALE
SCADD OPERATOR M.E. CRAWFORD
REVISED BY _____
PLAN DATE 04 MAY 90

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	RIGHT OF WAY CHECKED		
NOTE BOOK			
NO.			

PLAN
NOTE BOOK
NO. _____

SMH (Pumped)
Top Rim 1124.8
Bottom Box 1108.2

2 Water Meters
2 Water Valves

Water Meter

R/W Mon.
P.O.T. 163+64.09 Surv. @
P.O.T. 41+00.00 Reloc. Rte. 601

Fire Hydrant
Water Valve

P.O.T. 165+60.10 Surv. @
P.I. 18+99.20 Conn. Rte. 1895
4=78°38'45" Rt.
Sanitary Manhole
Inv. Flow Elev. 1099.5
Outlet 1102.10
Top Rim 1112.0
8" Sewer Line Stub

P.O.T. 167+00.00 Surv. @
P.I. 10+00.00 Conn. Pvt. Entr.
Δ=92°00'00" Lt.

50 25 0 50 100 150

SCALE IN FEET

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
A	0115-080-103,C-501		6(3)

Power Poles Property of APCO, Roanoke, Va.
Telephone Poles & Underground Cable Property of C&P Telephone Co., Roanoke, Va.
Water Lines Property of City of Roanoke, Roanoke, Va.
Sewer Lines Property of Roanoke County, Salem, Va.
Gas Lines Property of Roanoke Gas Co., Roanoke, Va.

UTILITY ADJUSTMENT QUANTITIES

3-1 1 - 1½" WATER METER ASSEMBLY & VAULT
127 L.F. 1½" TYPE 'K' WATER SERVICE TUBING

3-A 1 - ADJUST EXISTING FRAME & COVER
EXISTING TOP = 1112.0
PROPOSED TOP = 1112.4

3-2 1 - ADJUST EXISTING VALVE & BOX
EXISTING TOP = 1115.4
PROPOSED TOP = 1115.9

3-3 1 - RELOCATE EXISTING WATER METER ASSEMBLY & BOX
10 L.F. 3/4" TYPE 'K' COPPER WATER SERVICE TUBBING

3-4

1 - RELOCATE EXISTING FIRE HYDRANT
15 L.F. 6" D.I. WATER MAIN
1 - ADJUST EXISTING VALVE & BOX
EXISTING TOP=1113.8
PROPOSED TOP=1115.7

3-5 1 - ADJUST EXISTING VALVE & BOX
EXISTING TOP = 1115.5
PROPOSED TOP = 1116.0

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET N°
	3	VA.		115	0115-080-103, PE-102 RI-202 C-501	0(3)

Water Meter
Pump Station
Sanitary Manhole
Sanitary Manhole
Top 1121.64
Inv. 1113.53
R/W Mon.
Water Meter

Sanitary Manhole
Top 1130.49
Box 1125.20

Conn Rte. 1804
P.O.T. Sta. 157+05.00 Lt.
P.I. Sta. 10+00
A=115.26' Lt.

Conn Rte. 1804
P.O.T. Sta. 157+05
P.I. Sta. 10+00
A=115'26' Lt.

P.O.T. 162+64.09 Sur. @
P.O.T. 42+00.00 Reloc. Rte 601

P.O.T. 162+64.09 Sur. @
P.O.T. 42+00.00 Reloc. Rte 601

R/W Mon.
Sanitary Manhole
Inv. Flow Line 1107.03
Top Rim 1116.53

R/W Mon.
Sanitary Manhole
Inv. Flow Line 1107.03
Top Rim 1116.53

P.I. Sta. 10+47.54 Pvt. Entr.
Δ=70°41' Rt.

P.I. Sta. 10+47.54 Pvt. Entr.
Δ=70°41' Rt.

P.L. Sta. 19+17.56 Conn. Rte. 189S
P.O.T. Sta. 185+63.71 Off. Rev. C
A=78°38'45" Rt.

P.L. Sta. 19+17.56 Conn. Rte. 189S
P.O.T. Sta. 185+63.71 Off. Rev. C
A=78°38'45" Rt.

P.I. Sta. 11+80.10
 $\Delta=16^{\circ}47'$ Lt.

P.I. Sta. 11+80.10
 $\Delta=16^{\circ}47'$ Lt.

STA. 165+35.00
INSTALL 85 L.F. 18" STEEL CASING PIPE
ASTM A139 GRADE B - $\frac{5}{16}$ " WALL THICKNESS
TOP OF PIPE 42" MIN. BELOW FINISH GRADE
BETTERMENT ROANOKE COUNTY
ENDS OF CASING SHALL BE CLOSED PER VDOT
STD. FP-1

STA. 157+37.00
INSTALL 69 L.F. 18" STEEL CASING PIPE
ASTM A139 GRADE B - $\frac{5}{16}$ " WALL THICKNESS
TOP OF PIPE 42" MIN. BELOW FINISH GRADE
BETTERMENT ROANOKE COUNTY
ENDS OF CASING SHALL BE CLOSED PER VDOT
STD. FP-1

SYMBOL LEGEND:

3-1 DENOTES WATER FACILITY ADJUSTMENT

 3-A DENOTES SANITARY FACILITY ADJUSTMENT

MATCH LINE STA 172+00 SHEET 6(4)