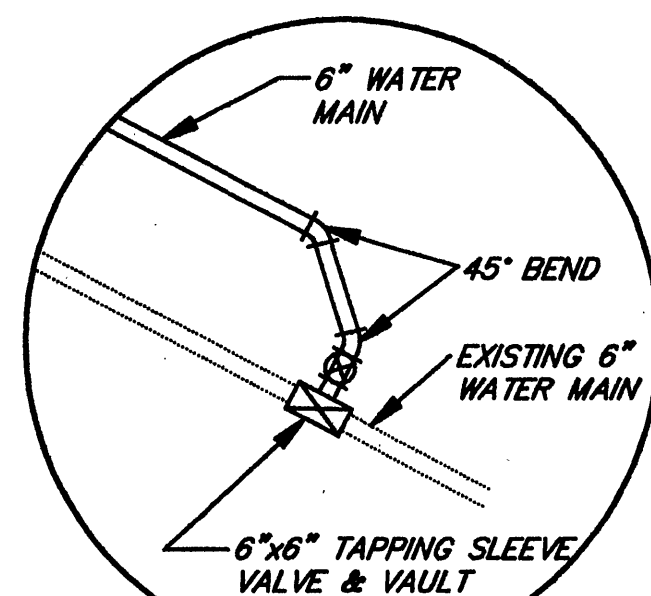


Power Poles Property of Appalachian Power Co., Roanoke, Va.
Telephone Poles and Underground Cables Property of
C&P Telephone Co., Roanoke, Va.
Television Cable Property of Cox Cable Inc.,
Roanoke, Va.
Sanitary Sewer Property of City of Roanoke,
Roanoke, Va.
Water Lines Property of City of Roanoke,
Roanoke, Va.
Gas Lines Property of Roanoke Gas Co.,
Roanoke, Va.

TYPICAL WATER MAIN CONNECTION
NO SCALE

NOTE: CONTRACTOR IS ADVISED 4" AND 6" WATER LINES
ARE LEAD JOINT PIPE WITH MINIMAL COVER. CONTRACTOR
SHALL USE EXTREME CAUTION WHEN OPERATING HEAVY
EQUIPMENT IN THE VICINITY OF THESE LINES.

NOTE: SANITARY SEWER SERVICE LATERALS ARE SHOWN
THUS ; THESE LOCATIONS
ARE COMPILED FROM EXISTING RECORDS AND DO NOT
REPRESENT AN ACTUAL FIELD LOCATION. THE CONTRACTOR
SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES
PRIOR TO EXCAVATION. THE CONTRACTOR SHALL ADJUST
ALL SANITARY SEWER SERVICE LATERALS FOUND TO BE
IN CONFLICT WITH PROPOSED CONSTRUCTION. CLEANOUTS
SHALL BE INSTALLED ON ALL ADJUSTED SERVICE
LATERALS PER STANDARD SCO-1.

Construction @
A=28'04"22" Lt.
D=18'00'00"
L=89,526'
R=175,455'
PC=23+30.65
PI=24+20.17
PT=25+06.10 Const. @ Bk.
POT=25+17.27 Const. & Surv. @ Ah'd.
Ls=See Profile
E=0208
V=31 MPH

BEGIN CONN.
STA 18+45.00

SYMBOL LEGEND:

5-1

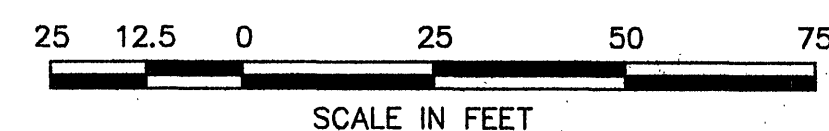
5-1 DENOTES WATER FACILITY ADJUSTMENT

5-A

5-A DENOTES SANITARY FACILITY ADJUSTMENT

Construction @
A=27'20'45" Lt.
D=12'00'00"
L=116,154'
R=227,882'
PC=28+14.65
PI=29+30.80
PT=30+42.53 Const. @ Bk.
POT=30+56.44 Const. & Surv. @ Ah'd.
Ls=200'
E=0208
V=35 MPH

NOTE:
SEE SHEETS 7(5) - 7(8)
FOR PROFILES.



SCALE IN FEET

2-1 274 L.F. 6" D.I. WATER MAIN

2-2 1 - 6"x6" TAPPING SLEEVE, VALVE & VAULT
3 L.F. 6" D.I. WATER MAIN

2-3 2 - ADJUST EXISTING METER BOXES

2-4 10 L.F. 4" D.I. WATER MAIN (VDOT STD VO-1)

2-5 1 - 6"x6" TAPPING SLEEVE, VALVE & VAULT
30 L.F. 6" D.I. WATER MAIN
1 - FIRE HYDRANT FH-1

2-6 1 - REMOVE EXISTING FIRE HYDRANT

2-7 2 - CONCRETE PIERS (SEE DETAIL P-1, SHEET 7(9))

2-8 1 - ADJUST EXISTING VALVE MANHOLE

2-9 2 - CONCRETE PIERS (SEE DETAIL P-1, SHEET 7(9))

2-10 1 - 2" BLOW-OFF VALVE & VAULT

2-11 1 - 24"x6" TAPPING SLEEVE, VALVE & VAULT
38 L.F. 6" D.I. WATER MAIN
1 - FIRE HYDRANT FH-1

2-12 1 - REMOVE EXISTING FIRE HYDRANT

2-13 1 - RELOCATE EXISTING METER ASSEMBLY & BOX
27 L.F. 3/4" WATER SERVICE LINE

2-14 20 L.F. 4" D.I. WATER MAIN (VDOT STD VO-1)
(OFFSET HORZ. & VERT., SEE PROFILE SHEET 7(6))

2-15 2 - ADJUST EXISTING VALVE MANHOLE

2-16 1 - RELOCATE EXISTING METER ASSEMBLY & BOX
29 L.F. 3/4" WATER SERVICE LINE

2-17 1 - ADJUST EXISTING VALVE MANHOLE

2-18 2 - ADJUST EXISTING VALVE BOXES

2-19 1 - ADJUST EXISTING VALVE MANHOLE

2-20 2 - ADJUST EXISTING VALVE MANHOLES

2-21 2 - ADJUST EXISTING VALVE MANHOLES

2-22 1 - ADJUST EXISTING VALVE MANHOLE

2-23 2 - CONCRETE PIERS (SEE DETAIL P-1, SHEET 7(9))

2-24 1 - RELOCATE EXISTING METER ASSEMBLY & BOX
16 L.F. 3/4" WATER SERVICE LINE

2-25 1 - ADJUST EXISTING VALVE MANHOLE

2-26 1 - ADJUST EXISTING VALVE MANHOLE

2-A 103 L.F. 10" SANITARY SEWER PIPE

003

2-B 10.2 L.F. SANITARY SEWER MANHOLE SMH-1

1 - MANHOLE FRAME & COVER F&C-1
TOP=939.3
INV. IN=929.58
INV. OUT=929.08

2-C 242 L.F. 10" D.I. SANITARY SEWER PIPE

2-D 11.6 L.F. SANITARY SEWER MANHOLE SMH-1

1 - MANHOLE FRAME & COVER F&C-1
TOP=942.4
INV. IN=931.29
INV. OUT=930.79

2-E 220 L.F. 10" SANITARY SEWER PIPE

2-F 1 - ADJUST EXISTING FRAME & COVER

EXISTING TOP=942.0
PROPOSED TOP=942.7

2-G 5.8 L.F. SANITARY SEWER MANHOLE SMH-1

1 - MANHOLE FRAME & COVER F&C-1
TOP=940.8
INV. OUT=935.0

2-H 16 L.F. CONCRETE ENCASUREMENT UB-1

UTILITY ADJUSTMENT QUANTITIES

2-I 47 L.F. 8" SANITARY SEWER PIPE

2-J 27 L.F. CONCRETE ENCASUREMENT UB-1

2-K 1 - ADJUST EXISTING FRAME & COVER

EXISTING TOP=942.5
PROPOSED TOP=942.8

2-L 13.1 L.F. SANITARY SEWER MANHOLE

1 - MANHOLE FRAME & COVER
TOP=945.1
INV. IN=932.91
INV. OUT=932.41

2-M 1 - ADJUST EXISTING FRAME & COVER

EXISTING TOP=947.6
PROPOSED TOP=948.1

2-N 1 - ADJUST EXISTING FRAME & COVER

EXISTING TOP=941.3
PROPOSED TOP=941.9

2-O 9.3 L.F. SANITARY SEWER MANHOLE SMH-1

3.0 L.F. 8" DROP CONNECTION SMH-1
1 - MANHOLE FRAME & COVER F&C-1
TOP=952.3
INV. IN=946.04
INV. OUT=943.00

2-P 1 - ADJUST EXISTING FRAME & COVER

EXISTING TOP=940.4
PROPOSED TOP=940.5

2-Q 32 L.F. 8" SANITARY SEWER PIPE

2-R 12.2 L.F. SANITARY SEWER MANHOLE SMH-1

1 - MANHOLE FRAME & COVER F&C-1
TOP=948.7
INV. IN=937.00
INV. OUT=936.50

2-S 111 L.F. 8" SANITARY SEWER PIPE

2-T 5.9 L.F. SANITARY SEWER MANHOLE SMH-1

1 - MANHOLE FRAME & COVER F&C-1
TOP=941.2
INV. IN=935.80
INV. OUT=935.30

2-U 16 L.F. 8" SANITARY SEWER PIPE

2-V 15.1 L.F. SANITARY SEWER MANHOLE SMH-1

1 - MANHOLE FRAME & COVER F&C-1
TOP=948.8
INV. IN=934.18
INV. OUT=933.68

2-CC 3.8 L.F. SANITARY SEWER MANHOLE SMH-1

4.0 L.F. 8" DROP CONNECTION SMH-1
1 - MANHOLE FRAME & COVER F&C-1
TOP=944.8
INV. IN=941.40 Exist.
INV. OUT=937.05

2-W 155 L.F. 8" SANITARY SEWER PIPE

2-X 7.5 L.F. SANITARY SEWER MANHOLE SMH-1

1 - MANHOLE FRAME & COVER F&C-1
TOP=949.5
INV. IN=942.45
INV. OUT=941.95

2-Y 50 L.F. 8" SANITARY SEWER PIPE

2-Z 1 - ADJUST EXISTING FRAME & COVER

EXISTING TOP=940.4
PROPOSED TOP=940.6

2-AA 68 L.F. 8" SANITARY SEWER PIPE

2-BB 50 L.F. 8" SANITARY SEWER PIPE

SUPERVISED BY: P.C. SCHIRMER
DESIGNED BY: G.L. HALE
CADD OPERATOR: M.E. CRAWFORD
REVISED BY: 11 MAY 90
PLAN DATE: 11 MAY 90

PLAN NO. 7457
SHEET NO. 7(2)