

PROJECT: 3941 - WYWA - BERKLEY ROAD SEWER
CLIENT: WESTERN VIRGINIA WATER AUTHORITY
HORIZONTAL DATUM BASED ON CITY CONTROL NETWORK
VERTICAL DATUM BASED ON CITY CONTROL NETWORK
SURVEY BY: T. W. CALDWELL
DRAWN BY: M. L. COX
CHECK BY: T. W. CALDWELL
DATE: 5-29-2019
SCALE: 1" = 20'

BENCHMARK

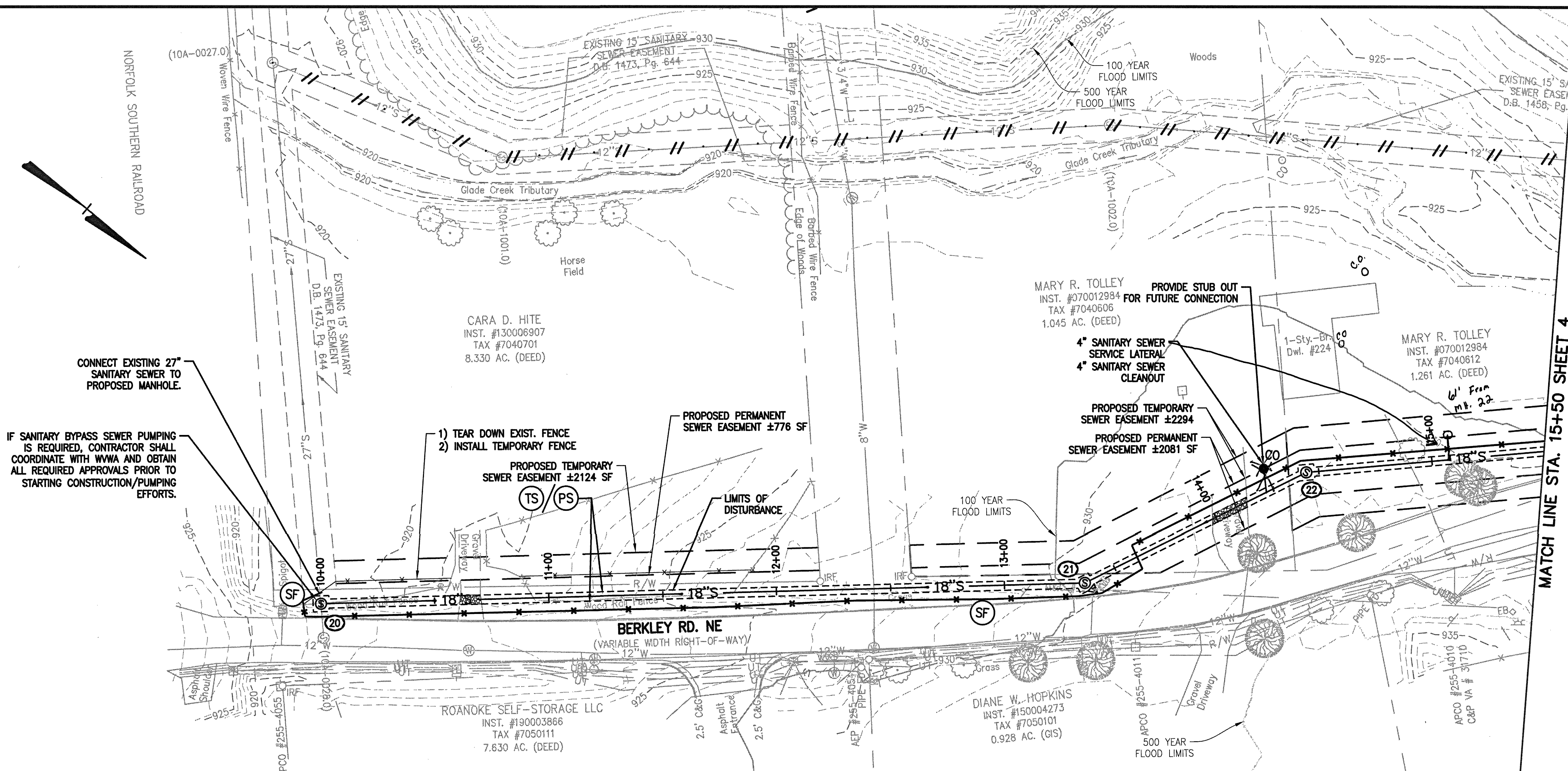
- BM-1: CHISELED X ON NORTHWEST CORNER OF DROP INLET
ELEV. = 945.75'
- BM-2: CITY OF ROANOKE BRASS DISK ON NORTHWEST CORNER OF
HEADWALL ON SOUTH SIDE OF BELLE AVENUE
ELEV. = 953.70'
- BM-3: BENCHTIE IN BASE OF TREE NORTHEAST OF NEW BRIDGE
ELEV. = 935.48'

SURVEY CONTROL

PT #3	N: 3632119.9620 BEARING: N 37° 02' 52" W DIST: 272.976'	E: 11078574.5827 DIST: 272.976'	ELEV: 930.106
PT #2	N: 3632337.8338 BEARING: N 65° 32' 18" W DIST: 486.264'	E: 11078410.1203 DIST: 486.264'	ELEV: 938.620
PT #6	N: 3632539.1884 BEARING: N 32° 07' 07" E DIST: 652.129'	E: 11077967.5042 DIST: 652.129'	ELEV: 943.421
PT #7	N: 3633091.5084 BEARING: N 25° 56' 16" E DIST: 557.919'	E: 11078314.2247 DIST: 557.919'	ELEV: 945.753
PT #8	N: 3633593.2272 BEARING: N 33° 45' 31" E DIST: 473.591'	E: 11078558.2565 DIST: 473.591'	ELEV: 955.552
PT #9	N: 3633987.2887 BEARING: N 33° 45' 31" E DIST: 473.591'	E: 11078821.6450 DIST: 473.591'	ELEV: 964.214

NOTES:

- THIS LOCATION SURVEY FOR WESTERN VIRGINIA WATER AUTHORITY OF BERKLEY ROAD SEWER WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF TIMOTHY W. CALDWELL, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY DIRECT SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED FROM APRIL 1, 2019 THRU MAY 31, 2019; THAT THIS PLAT, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
- PROPERTY INFORMATION IS BASED ON PLATS OF RECORD AND PHYSICAL EVIDENCE FOUND.
- HORIZONTAL (NAD 83/93) AND VERTICAL (NAVD88) CONTROL WAS ESTABLISHED BY STATIC GPS SURVEY BY TIMOTHY L. CALDWELL, L.S. USING ROANOKE CITY CONTROL NETWORK MONUMENT "VINYARD (ROANOKE 2000)".
- CONTOURS AS SHOWN HEREON ARE AT 1-FOOT INTERVALS.
- UNDERGROUND UTILITIES LOCATION BASED ON DESIGNATION BY MISS UTILITY TICKET NO'S. A908401165, B910000156, B910000164, A913300351, AND A91330377.



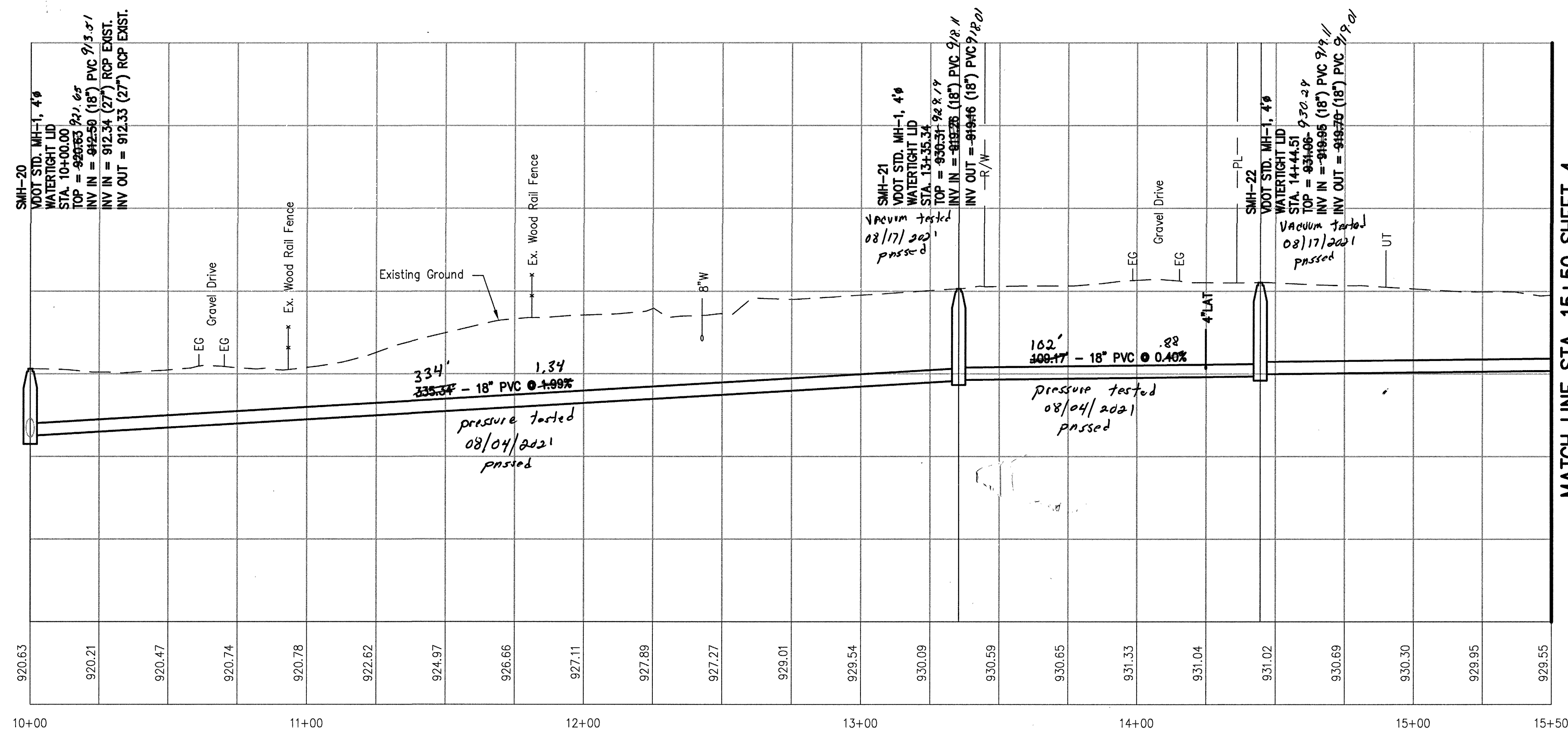
MATCH LINE STA. 15+50 SHEET 4

Existing Sanitary Sewer Data Schedule:

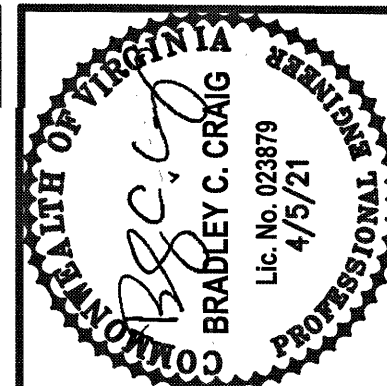
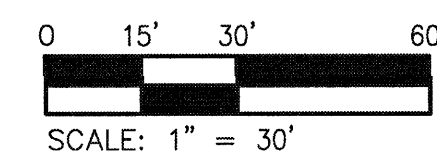
(10A-1013.0) Sanitary Sewer Manhole Top of Rim = 955.64' 12" PVC Flow = 949.28'	(10A-1005.0) Sanitary Sewer Manhole Top of Rim = 935.03' 12" RCP Inv. In = 927.51' 12" RCP Inv. Out = 927.27'
(10A-1012.5) Sanitary Sewer Manhole Top of Rim = 956.05' 8" PVC Inv. In = 949.14' 12" PVC Inv. In = 948.39' 12" PVC Inv. Out = 948.48'	(10A-1004.0) Sanitary Sewer Manhole Top of Rim = 932.46' 12" RCP Inv. In = 924.89' 12" RCP Inv. Out = 924.44'
(10A-1012.0) Sanitary Sewer Manhole Top of Rim = 956.06' 12" PVC Inv. In = 948.26' 12" RCP Inv. Out = 948.15'	(10A-1003.0) Sanitary Sewer Manhole Top of Rim = 927.55' 12" RCP Inv. In = 919.84' 12" RCP Inv. Out = 919.70'
(10A-1011.0) Sanitary Sewer Manhole Top of Rim = 954.05' 12" RCP Inv. In = 946.43' 12" RCP Inv. Out = 946.19'	(10A-1002.0) Sanitary Sewer Manhole Top of Rim = 922.66' 12" RCP Inv. In = 916.67' 12" RCP Inv. Out = 916.73'
(10A-1010.0) Sanitary Sewer Manhole Top of Rim = 948.28' 4" PVC Inv. In = 944.87' 12" RCP Inv. In = 940.25' 12" DI Inv. Out = 940.09'	(10A-1001.0) Sanitary Sewer Manhole Top of Rim = 922.47' 12" RCP Inv. In = 914.19' 12" RCP Inv. Out = 914.17'
(10A-1009.0) Sanitary Sewer Manhole Top of Rim = 946.68' 12" DI Inv. In = 939.83' 12" RCP Inv. Out = 939.40'	(10A-0027.0) Sanitary Sewer Manhole Top of Rim = 919.95' 12" RCP Inv. In = 912.57' 27" RCP Inv. In = 911.89' 27" RCP Inv. Out = 911.81'
(10A-1008.0) Sanitary Sewer Manhole Top of Rim = 945.87' 8" DI Inv. In = 935.02' 12" RCP Inv. In = 934.60' 12" RCP Inv. Out = 934.74'	(10A-0026.0) Sanitary Sewer Manhole Top of Rim = 919.17' 27" RCP Inv. In = 911.05' 27" RCP Inv. Out = 910.72'
(10A-1007.0) Sanitary Sewer Manhole Top of Rim = 942.63' 12" RCP Inv. In = 933.28' 12" RCP Inv. Out = 933.08'	(10A-0028.0) Sanitary Sewer Manhole Top of Rim = 922.51' 27" RCP Inv. In = 912.74' 27" RCP Inv. Out = 912.36'
(10A-1006.0) Sanitary Sewer Manhole Top of Rim = 938.02' 12" RCP Inv. In = 930.19' 12" RCP Inv. Out = 930.00'	(10A-3111.0) Sanitary Sewer Manhole Top of Rim = 946.88' 8" PVC Inv. In = 936.44' 8" DI Inv. Out = 936.31'

Existing Storm Data Schedule:

D1 Curb Inlet Top of Rim = 955.49' 18" RCP Inv. Out = 950.92'
D2 Outlet 18" RCP Inv. = 949.15'
D3 Grate Inlet Top of Grate = 951.89' 18" RCP Inv. Out = 947.93'
D4 Outlet 18" RCP Inv. = 948.70'
D5 Outlet - In Wing Wall 24" RCP Inv. = 939.99'
D6 Curb Inlet Top of Rim = 945.68' 15" RCP Inv. In = 940.90' 24" RCP Inv. In = 940.28' 24" RCP Inv. Out = 940.22'
D7 Curb Inlet Top of Rim = 945.71' 15" RCP Inv. Out = 941.41'
D8 Curb Inlet Top of Rim = 950.22' 15" RCP Inv. In = 944.71' 24" RCP Inv. In = 943.97' 24" RCP Inv. Out = 944.00'
D9 Grate Inlet Top of Grate = 938.91 21" RCP Inv. In = 934.10' 21" RCP Inv. Out = 934.01'
D10 Outlet - In Abutment Wall 21" RCP Inv. Out = 930.89'
D11 Curb Inlet Top of Rim = 933.96' 15" RCP Inv. Out = 930.25'
D12 In. 15" RCP = 929.86'
D13 In. Pl. 30" Oval RCP Inv. In = 928.67' Inv. Out = 927.96'
D14 In. Pl. 24" RCP Inv. In = 932.43' Inv. Out = 931.62'
D15 In. Pl. 15" CMP Inv. In = 931.14' Inv. Out = 930.75'



MATCH LINE STA. 15+50 SHEET 4



Date	
Revisions	

Issue Date:	APR. 5, 2021
Drawn By:	RPK/MJC
Designed By:	RPK
Checked By:	BCC
Date:	4/5/21

Mattern & Craig
ENGINEERS/SURVEYORS
701 FIRST STREET, S.W.
ROANOKE, VIRGINIA 24016
(540) 345-9342
FAX (540) 345-7691

BERKLEY ROAD SANITARY SEWER REPLACEMENT
PLAN AND PROFILE -
18" SANITARY SEWER
ROANOKE, VIRGINIA

Vertical Scale:	1"=10'
Horizontal Scale:	1"=30'
Commission Number:	3941
Sheet No.:	3