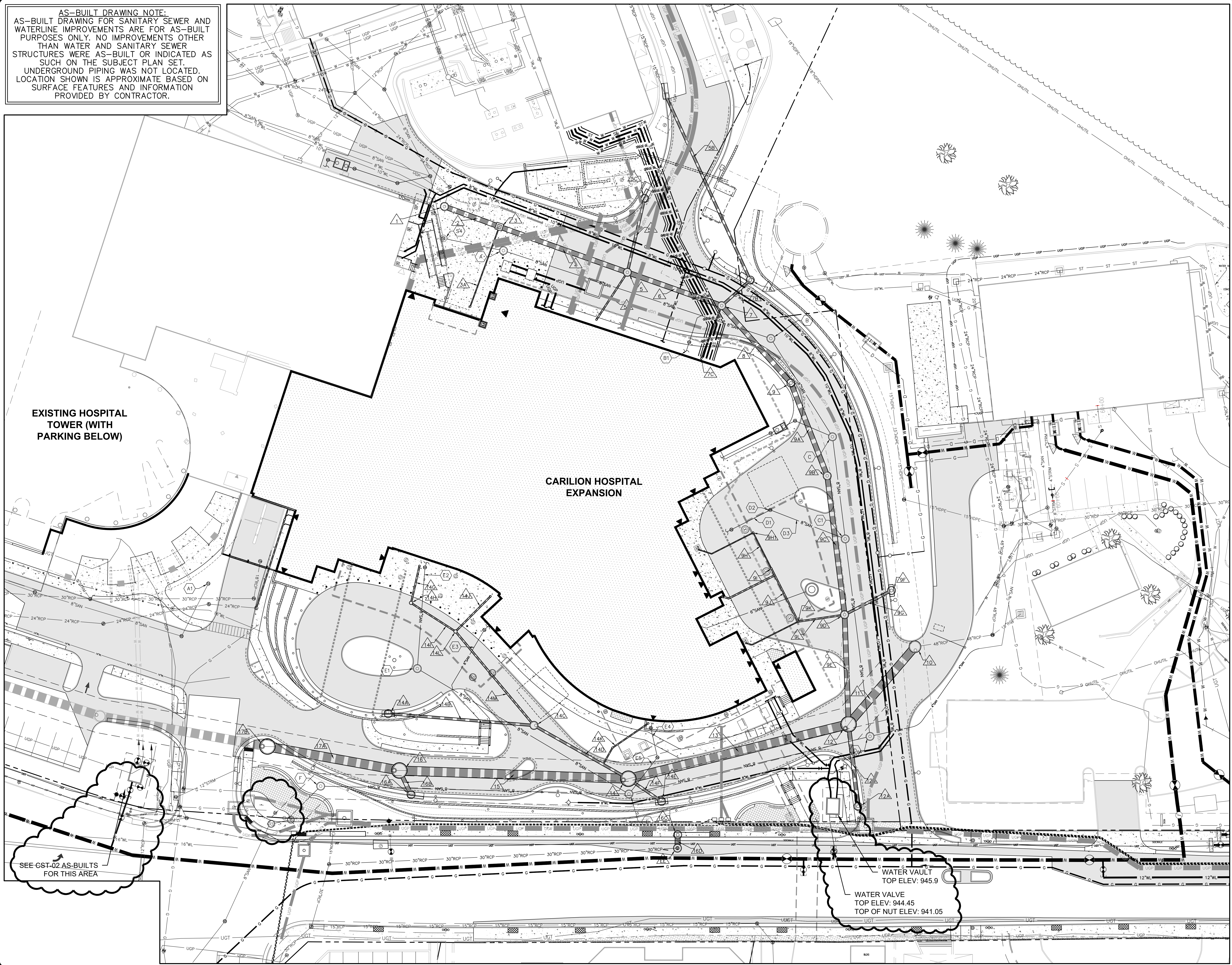


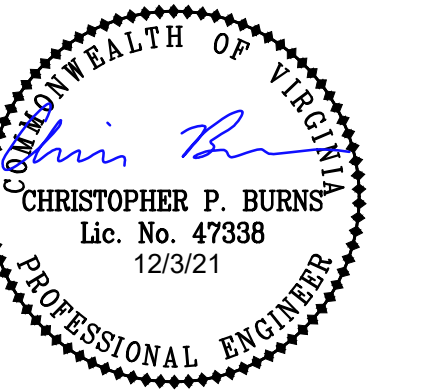
AS-BUILT DRAWING NOTE:  
AS-BUILT DRAWING FOR SANITARY SEWER AND  
WATERLINE IMPROVEMENTS ARE FOR AS-BUILT  
PURPOSES ONLY. NO IMPROVEMENTS OTHER  
THAN WATER AND SANITARY SEWER  
STRUCTURES WERE AS-BUILT OR INDICATED AS  
SUCH ON THE SUBJECT PLAN SET.  
UNDERGROUND PIPING WAS NOT LOCATED.  
LOCATION SHOWN IS APPROXIMATE BASED ON  
SURFACE FEATURES AND INFORMATION  
PROVIDED BY CONTRACTOR.



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# CARILION ROANOKE MEMORIAL HOSPITAL

CRYSTAL SPRING TOWER ADDITIONS & RENOVATIONS

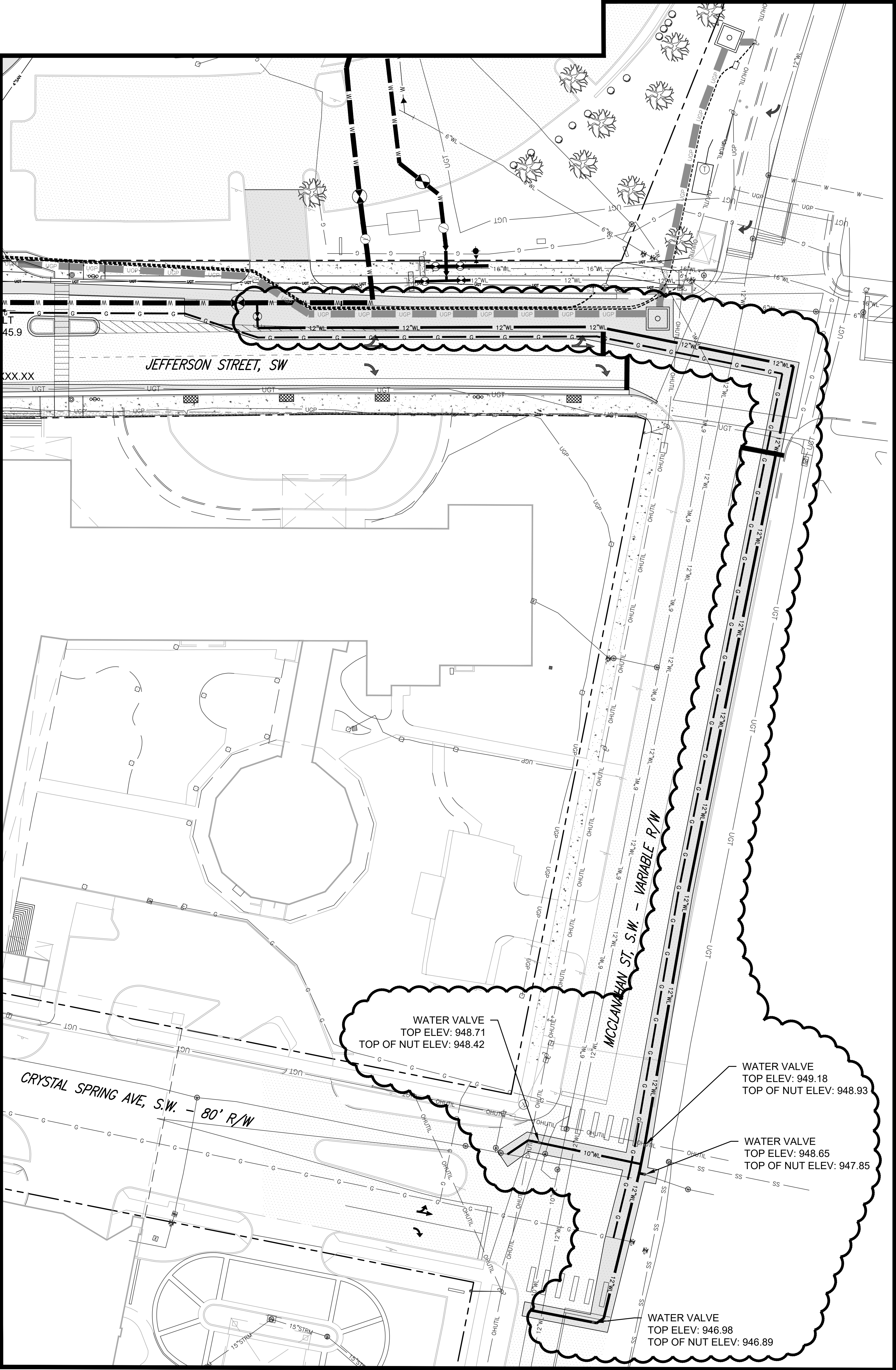
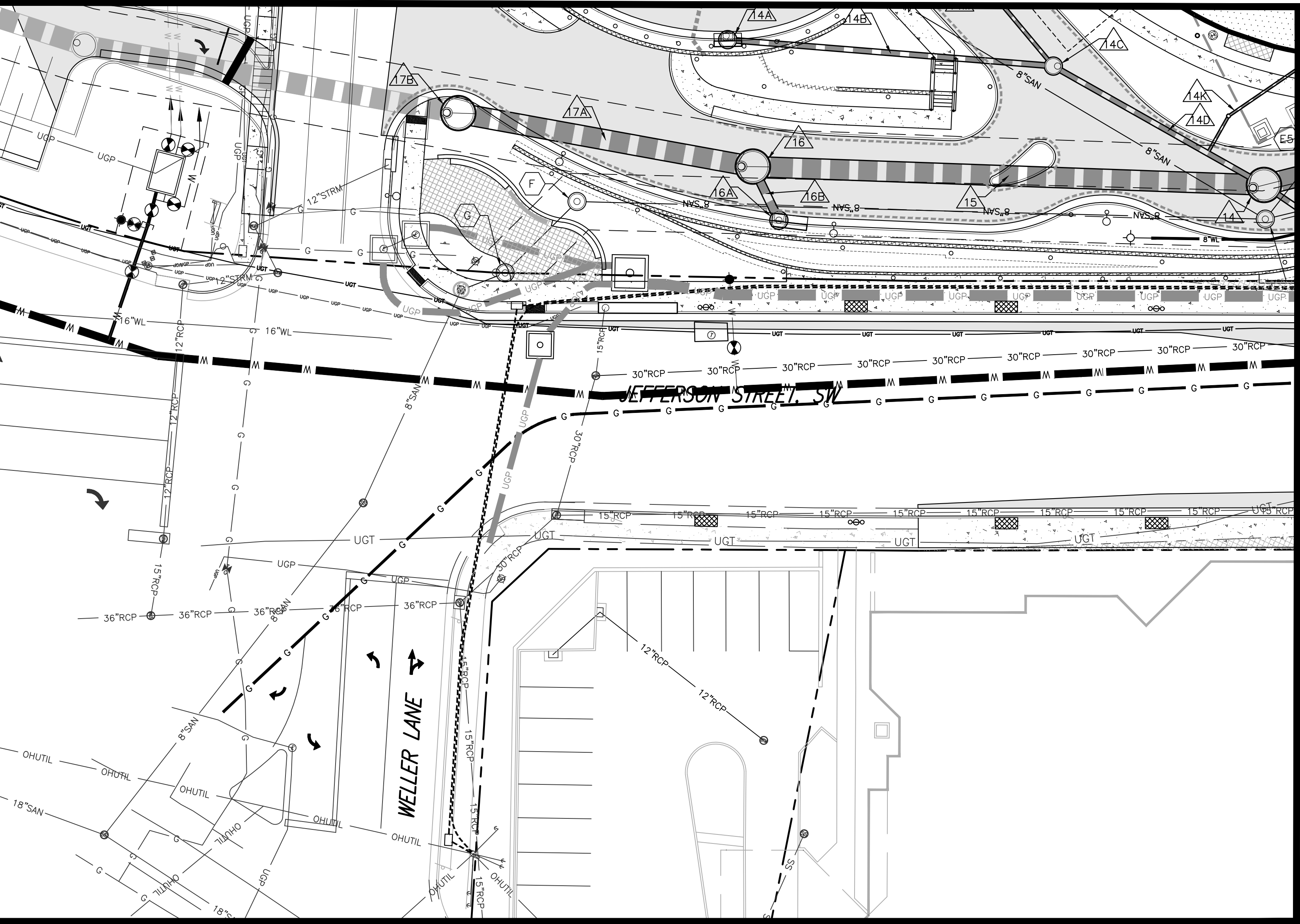
UTILITY PLAN (WWA AS-BUILT)

CITY OF ROANOKE, VIRGINIA

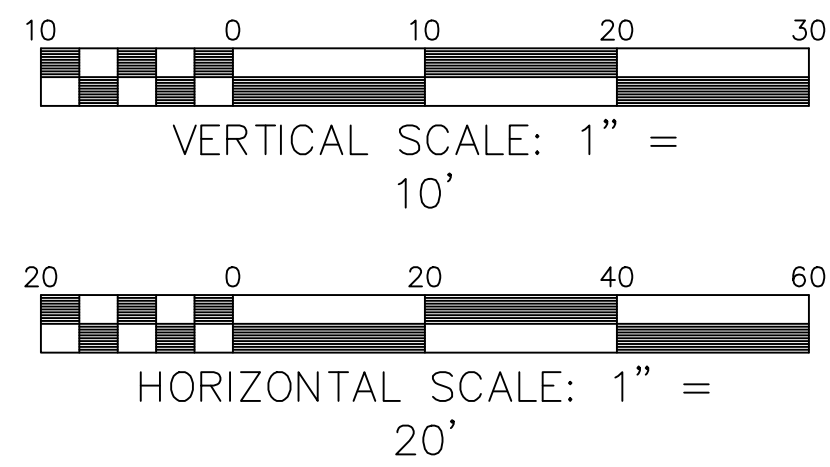
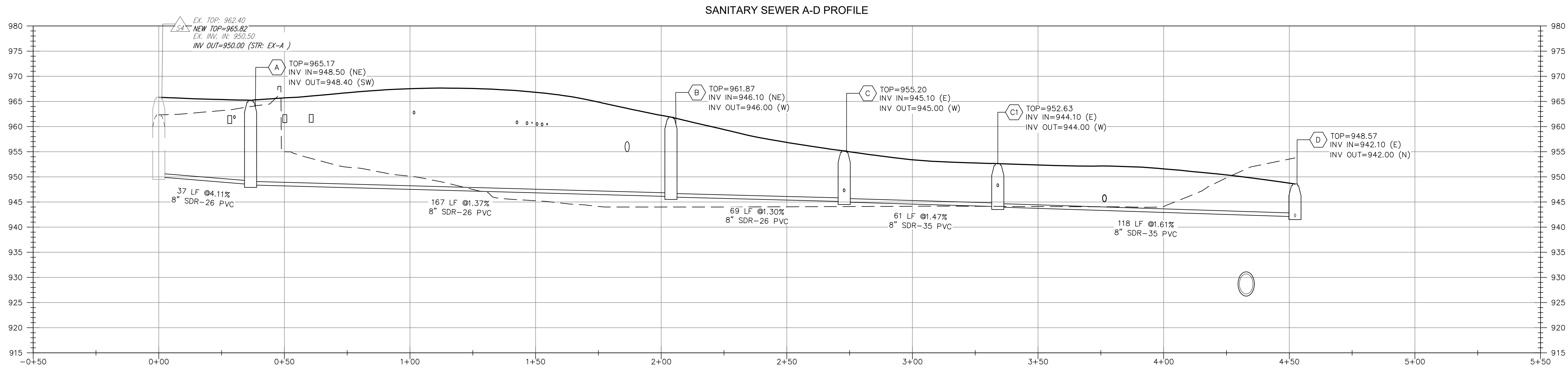
|             |           |
|-------------|-----------|
| DRAWN BY    | SMD       |
| DESIGNED BY | CPB       |
| CHECKED BY  | CPB       |
| DATE        | 12/3/2021 |
| SCALE       | 1"=20'    |
| REVISIONS   |           |

**C6.1-CST**  
PROJECT NO. 04190036.00



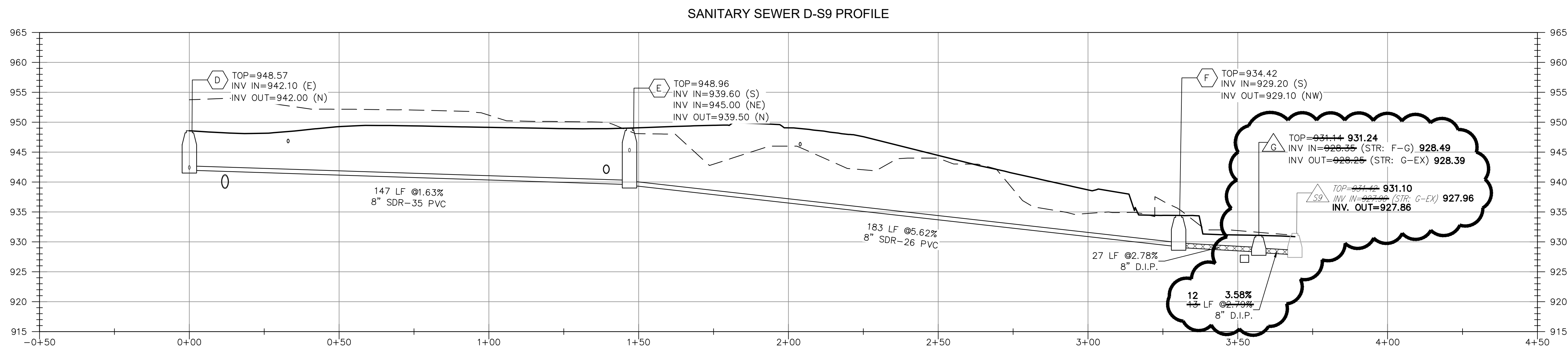




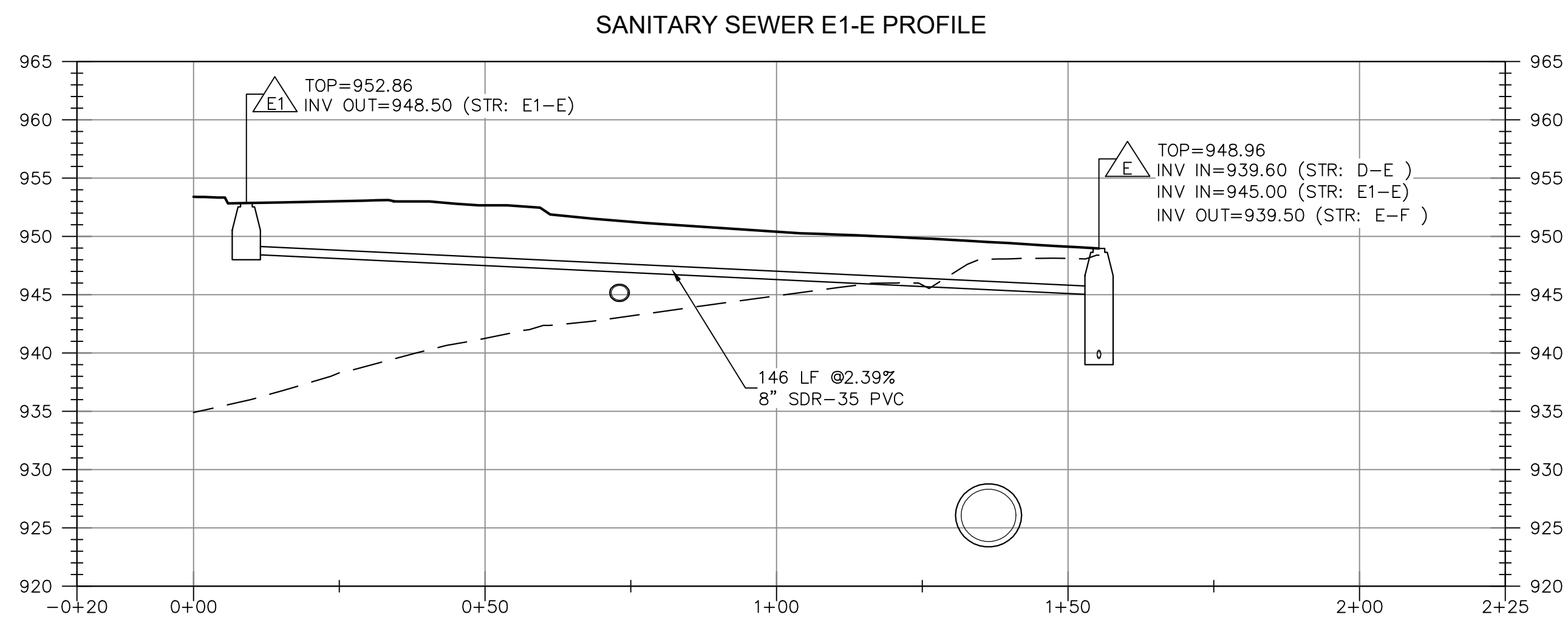


SANITARY SEWER NOTES

1. SIZE AND DEPTH OF SANITARY SEWER MAIN SUBJECT TO CHANGE BASED UPON THE REQUIRED SIZE AND INVERT ELEVATION OF BUILDING CONNECTION.
2. ADDITIONAL SANITARY SEWER MAIN REPLACEMENT ACROSS JEFFERSON STREET, SW MAY BE REQUIRED DEPENDENT UPON SIZE OF REQUIRED BUILDING CONNECTION. SEE OFF-SITE AREA #2 ON SHEET C6.2-CST.



AS-BUILT DRAWING NOTE:  
AS-BUILT DRAWING FOR SANITARY SEWER AND WATERLINE IMPROVEMENTS ARE FOR AS-BUILT PURPOSES ONLY. NO IMPROVEMENTS OTHER THAN WATER AND SANITARY SEWER STRUCTURES WERE AS-BUILT OR INDICATED AS SUCH ON THE SUBJECT PLAN SET. UNDERGROUND PIPING WAS NOT LOCATED. LOCATION SHOWN IS APPROXIMATE BASED ON SURFACE FEATURES AND INFORMATION PROVIDED BY CONTRACTOR.



SANITARY SEWER SCHEDULE:

|          |   |
|----------|---|
| (S4) (A) | 37 LF OF 8" PVC SDR-26 AT 4.11%   |
| (A)      | S.S. MANHOLE (PRIVATE)<br>TOP=965.17<br>INV. IN=948.50 (S4-A)<br>INV. OUT=946.00 (A-B)  |
| (A) (B)  | 167 LF OF 8" PVC SDR-26 AT 1.37%  |
| (B)      | S.S. MANHOLE (PRIVATE)<br>TOP=961.87<br>INV. IN=946.10 (STR. A-B)<br>INV. OUT=946.00 (STR. B-C)   |
| (B) (C)  | 69 LF OF 8" PVC SDR-26 AT 1.30%   |
| (C)      | S.S. MANHOLE (PRIVATE)<br>TOP=955.20<br>INV. IN=947.0 (GREASE TRAP)<br>INV. IN=945.1 (STR. B-C)<br>INV. OUT=945.0 (STR. C-D)  |
| (C) (C1) | 61 LF OF 8" PVC SDR-35 AT 1.47%   |
| (C1)     | S.S. MANHOLE (PRIVATE)<br>TOP=952.63<br>INV. IN=948.0 (FROM BLDG.)<br>INV. IN=944.1 (STR. C-C1)<br>INV. OUT=944.0 (STR. C1-D)   |
| (C1) (D) | 118 LF OF 8" PVC SDR-35 AT 1.61%  |
| (D)      | S.S. MANHOLE (PRIVATE)<br>TOP=948.54<br>INV. IN=942.1 (STR. C-D)<br>INV. OUT=942.0 (STR. D-E)   |
| (D) (E)  | 147 LF OF 8" PVC SDR-35 AT 1.63%  |
| (E)      | INSIDE DROP S.S. MANHOLE (5' DIA.) (PRIVATE)<br>TOP=948.96<br>INV. IN=945.0 (STR. E1-E)<br>INV. IN=944.5 (STR. E5)<br>INV. IN=939.6 (STR. D-E)<br>INV. OUT=939.5 (STR. E-F) |
| (E1)     | S.S. MANHOLE (PRIVATE)<br>TOP=952.86<br>INV. IN=948.60<br>INV. OUT=948.50   |
| (E1) (E) | 146 LF OF 8" PVC SDR-35 AT 2.39%  |
| (E) (F)  | 183 LF OF 8" PVC SDR-26 AT 5.62%  |
| (F)      | S.S. MANHOLE (PRIVATE)<br>TOP=934.42<br>INV. IN=929.2 (STR. E-F)<br>INV. OUT=929.1 (STR. F-G)   |
| (F) (G)  | 27 LF OF 8" D.I. PIPE AT 2.78%  |

S.S. MANHOLE (PUBLIC)  
TOP=931.14 931.24  
INV. IN=928.35 (STR. F-G) 928.49  
INV. OUT=928.25 (STR. G-S9) 928.39  
12 LF OF 8" D.I. PIPE AT 3.58%  
INV. OUT=927.96  
(MANHOLE S9 TO BE REMOVED AND REPLACED)

LATERALS:

|      |   |
|------|---|
| (A1) | OMITTED   |
| (A2) | OMITTED   |
| (A3) | OMITTED   |
| (B1) | 17 LF OF 8" PVC SDR-35 AT 12.9%<br>INV. IN AT BLDG.=949.0<br>INV. OUT AT (A-B)=946.80 |
| (D1) | 25 LF OF 8" PVC SDR-35 AT 4%<br>INV. IN AT BLDG.=950.5                                |
| (D2) | CLEANOUT (STANDARD LID)<br>TOP=953.27<br>INV.=949.5                                   |
| (D3) | 47 LF OF 8" PVC SDR-35 AT 3.19%<br>INV. OUT AT C1=948.0                               |
| (E2) | 60 LF OF 8" PVC SDR-35 AT 3.17%<br>INV. IN AT BLDG.=950.5<br>INV. OUT AT E1=948.6     |
| (E3) | 39 LF OF 8" PVC SDR-35 AT 6.67%<br>INV. IN AT BLDG.=950.5<br>INV. IN AT (E1-E)=947.9  |
| (E4) | 17 LF OF 8" PVC SDR-35<br>INV. IN AT BLDG.=950.5<br>INV. OUT AT (E5)=945.5            |
| (E5) | 23 LF OF 8" PVC SDR-35<br>INV. IN=945.5<br>INV. OUT AT (E)=944.5                      |

(G.C. TO CONFIRM & COORDINATE ALL TIE IN LOCATIONS W/M.E.P. & ARCH. DRAWINGS PRIOR TO ANY INTERIOR OR EXTERIOR S.S. PIPE BEING INSTALLED. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED PRIOR TO ANY CONSTRUCTION)



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CARILION ROANOKE MEMORIAL HOSPITAL

CRYSTAL SPRING TOWER ADDITIONS & RENOVATIONS

UTILITY PROFILES 2 (WVA AS-BUILT)

CITY OF ROANOKE, VIRGINIA

DRAWN BY SMD  
DESIGNED BY CPB  
CHECKED BY CPB  
DATE 12/3/2021  
SCALE AS SHOWN  
REVISIONS

C9.2-CST  
PROJECT NO. 04190036.00