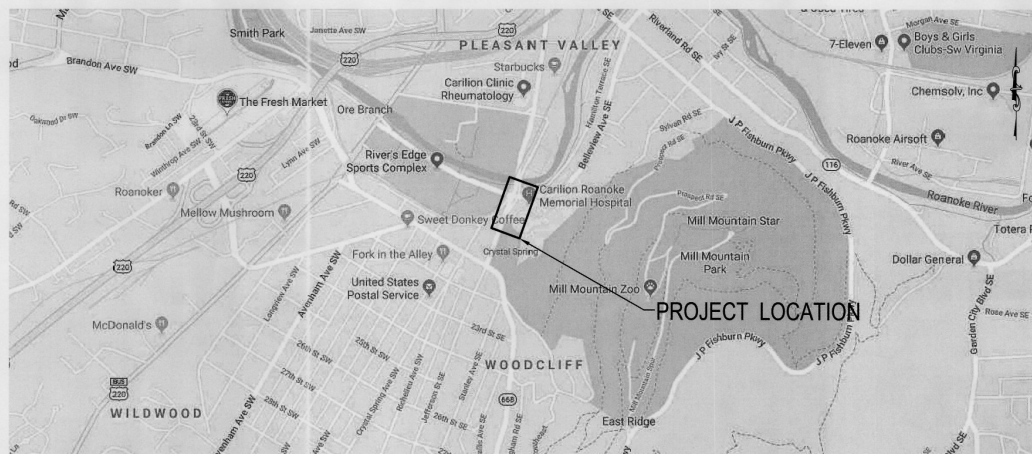


LOCATION MAP  
NO SCALE

# WESTERN VIRGINIA WATER AUTHORITY WCIP-344 - 24" CRYSTAL SPRING WATER MAIN EXTENSION



VICINITY MAP  
NO SCALE

OCTOBER 2020

Material

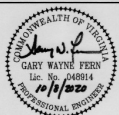
Water: 24" DIP CL350  
16" DIP CL350  
12" DIP CL350  
6" DIP CL350

Valves - AFC 24" Butterfly - 74 turns do left  
16" Butterfly - 50 turns do left  
12" Gate R Seat 36 turns do left

Hydrant - American Dantins  
2020  
hyd # 13485  
PSI-90

Valves - CT Jensen  
Frame & Lids - Capital Foundry MP2001  
With Two holes

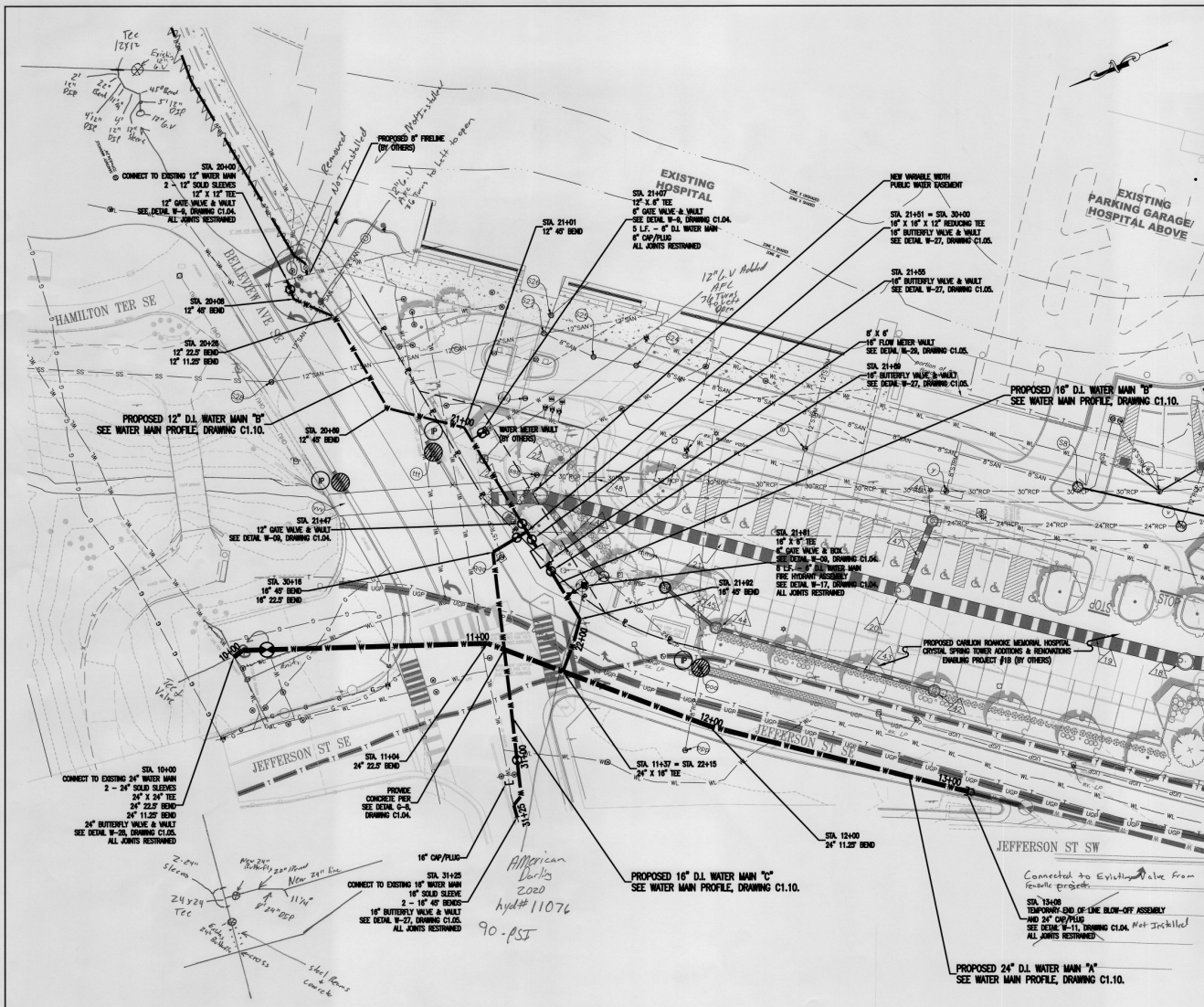
DRAWING TITLE	SHEET NUMBER
COVER	1
GENERAL NOTES & PROPOSED LEGEND	2
SURVEY SCHEDULES, NOTES, & EXISTING LEGEND	3
STANDARD DETAILS	4
STANDARD DETAILS	5
EROSION & SEDIMENT CONTROL NOTES	6
EROSION & SEDIMENT CONTROL DETAILS	7
SHEET LAYOUT & FIRE HYDRANT COVERAGE MAP	8
WATER MAIN PLAN	9
WATER MAIN PROFILE	10
TEMPORARY TRAFFIC CONTROL PLAN NOTES	11
TEMPORARY TRAFFIC CONTROL PLAN FIGURE 1	12
TEMPORARY TRAFFIC CONTROL PLAN FIGURE 2	13
TEMPORARY TRAFFIC CONTROL PLAN FIGURE 3	14



APPROVED FOR CONSTRUCTION, WVWA

					APPROVED FOR CONSTRUCTION, WVWA									
<div>WESTERN VIRGINIA WATER AUTHORITY</div> <div>601 South Jefferson Street, Suite 300</div> <div>Roanoke, Virginia 24011</div>					DES: PJM	SCALE: N/A	WCIP-344 - 24" CRYSTAL SPRING WATER MAIN EXTENSION	COVER	REV	DATE	DESCRIPTION			
												DRAWING		SHEET
												C1.01		1
					DATE: 10/08/20									

AS-BUILTS 24" Crystal Spring WCIP-344 WATER MAIN EXT.  
Contributor: Valley Contracting Inspector: Brian Whitman 8/19/21



NOTE:

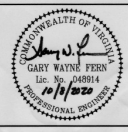
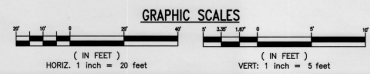
1. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE CONNECTIONS TO EXISTING WATER MAINS WITH THE OWNER A MINIMUM OF 10 BUSINESS DAYS PRIOR TO THE PROPOSED SHUTDOWN.
2. THE CONTRACTOR SHALL PROVIDE FINAL CONFIRMATION OF THE SHUTDOWN TO THE OWNER A MINIMUM OF 72 HOURS PRIOR TO THE PROPOSED SHUTDOWN.
3. AT LEAST 48 HOURS PRIOR TO THE SHUTDOWN, THE CONTRACTOR SHALL PERFORM AN EXPLORATORY EXCAVATION AT THE CONNECTION LOCATION TO CONFIRM ALL NECESSARY INFORMATION (I.E. EXISTING PIPE DIAMETER, ETC.) AND REQUIRED FITTINGS.
4. AT LEAST 24 HOURS PRIOR TO THE SHUTDOWN, THE CONTRACTOR, IN THE PRESENCE OF THE OWNER, SHALL REVIEW THAT ALL EQUIPMENT AND MATERIALS REQUIRED FOR THE SHUTDOWN ARE ON-SITE AND AVAILABLE.
5. THE FOLLOWING TABLE SPECIFIES ADDITIONAL REQUIREMENTS FOR THE EXISTING WATER MAIN CONNECTIONS:

PROPOSED WATER MAIN	EXISTING WATER MAIN DIAMETER (IN.)	MAXIMUM OUTAGE DURATION (HRS.)	ALLOWABLE WORKING HOURS
WATER MAIN "A"	24	8	11:00 PM TO 6:00 AM
WATER MAIN "B"	12	8	11:00 PM TO 6:00 AM
WATER MAIN "C"	16	8	11:00 PM TO 6:00 AM

6. THE CONTRACTOR SHALL FURNISH A FLUSHING AND DISINFECTION PLAN FOR EACH OF THE PROPOSED WATER MAINS. THE PLAN SHALL DETAIL, BUT NOT BE LIMITED TO, THE FOLLOWING:
  - A. DISINFECTION METHOD.
  - B. DISINFECTION AGENT AND FEED RATE, IF APPLICABLE.
  - C. FLUSHING DISCHARGE LOCATIONS AND FLOW RATES.
  - D. HIGHLY-CHLORINATED WATER DISCHARGE LOCATIONS.
  - E. FLOW METERING EQUIPMENT.
7. THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR THE DISCHARGE OF FLUSHING AND DISINFECTION WATER. THE CONTRACTOR MAY BE REQUIRED TO DECHLORINATE THE WATER PRIOR TO DISCHARGE.
8. THE 16-INCH AND 24-INCH DIAMETER DUCTILE IRON WATER MAINS SHALL BE THICKNESS CLASS 52.
9. WORK FROM STATION 10+50 TO STATION 11+37, AND STATION 30+16 TO STATION 31+25 SHALL BE COMPLETED AT NIGHT. SEE DRAWING H12.01, H12.02, AND H12.03.

EXISTING CONDITIONS

PROPOSED CARILION ENABLING PROJECT #18 (BY OTHERS)



WESTERN VIRGINIA WATER AUTHORITY  
601 South Jefferson Street, Suite 300  
Roanoke, Virginia 24011

DES: PJM  
DRAWN: JBS  
CHECK: GWP  
DATE: 10/08/20

SCALE: AS SHOWN  
HORIZ: 1" = 20'  
VERT: 1" = 5'

WCIP-344 - 24" CRYSTAL SPRING WATER MAIN EXTENSION

WATER MAIN PLAN

REV	DATE	DESCRIPTION	DRAWING	SHEET
			C1.09	9