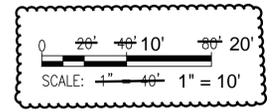
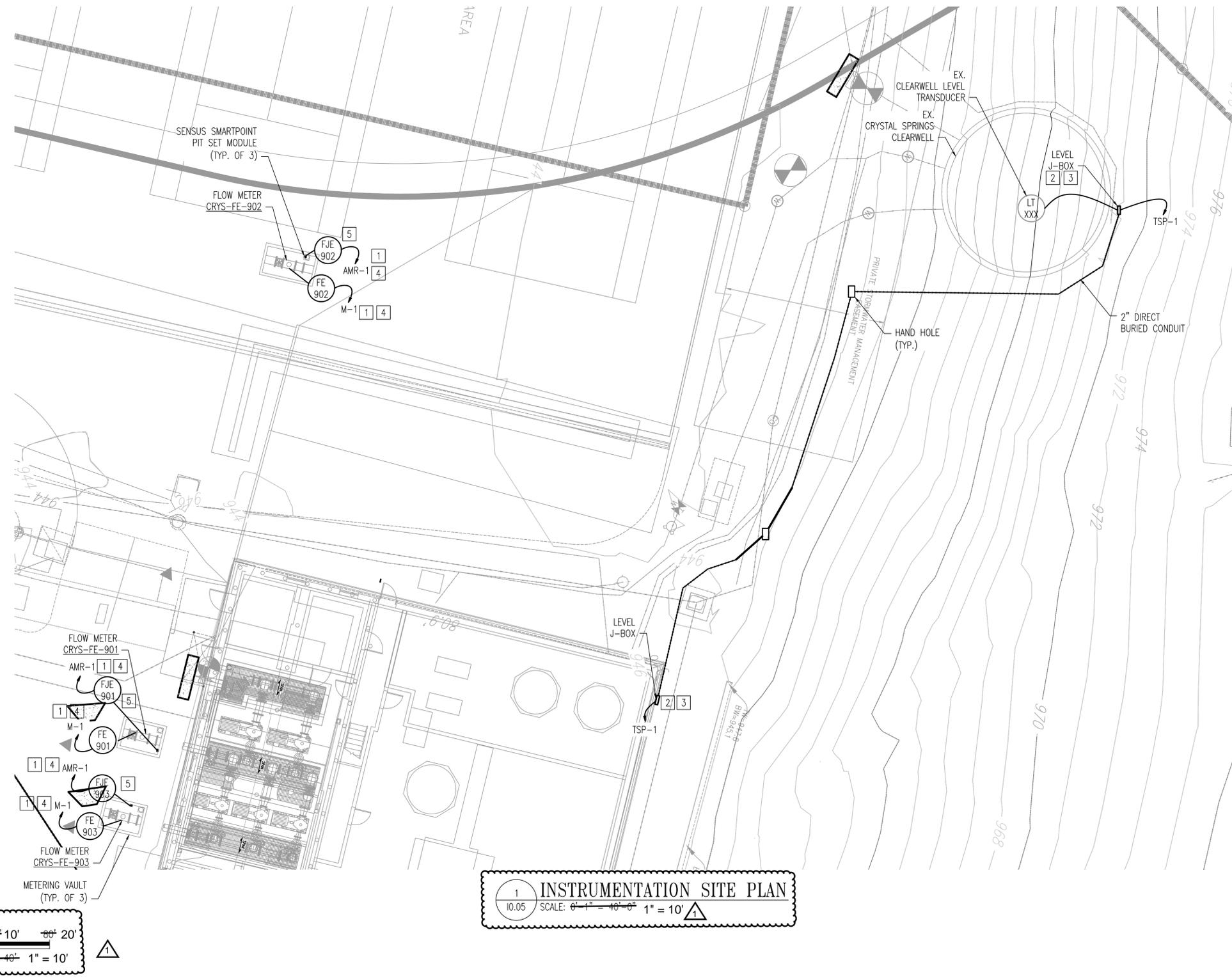


### GENERAL SHEET NOTES

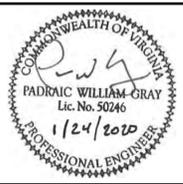
- SEE I&C SYMBOLS, LEGENDS AND ABBREVIATIONS SHEETS FOR DETAILS.
- REFER TO ELECTRICAL & MECHANICAL DRAWINGS FOR ADDITIONAL INSTALLATION, LOCATIONS, AND EQUIPMENT REQUIREMENTS.
- PROVIDE QUANTITY OF CONDUITS AS REQUIRED FOR THE CABLES SHOWN THE INSTRUMENTATION PLAN DRAWINGS PLUS ADDITIONAL 20% SPARE CAPACITY.
- UNLESS OTHERWISE NOTED, ALL CONDUIT AND CONDUCTORS SHALL BE TERMINATED AT THE PLC CONTROL PANEL, PLC-CS16.
- REFER TO INSTRUMENTATION DETAILS SHEET FOR ADDITIONAL DIRECT BURIED CONDUIT REQUIREMENTS.

### SHEET KEYNOTES [X]

- TERMINATE CONDUIT AND CONDUCTORS AT ASSOCIATED FLOW TRANSMITTER IN PUMP ROOM. SEE SHEET 10.06 FOR DETAILS. CORE-DRILL VAULT WALL AND SEAL PENETRATION AROUND CONDUIT WATER TIGHT WITH NON-SHRINK GROUT. PROVIDE DIRECT BURIED CONDUIT +/-24" BELOW FINISHED GRADE BETWEEN THE NEW VAULTS & THE PUMP STATION. PROVIDE SURGE PROTECTIVE DEVICES AND NEMA-4X J-BOX WHERE CONDUCTORS EXIT THE VAULT AND UPON ENTRY TO THE PUMP STATION.
- PROVIDE NEW NEMA 4X LEVEL J-BOX WITH TERMINAL STRIP AND DIN-RAIL MOUNTED SURGE PROTECTIVE DEVICES.
- PROVIDE DIRECT BURIED PVC CONDUIT FROM CLEARWELL TANK TO PUMP STATION.
- PROVIDE 2" DIRECT BURIED PVC CONDUIT FROM VALVE VAULTS TO PUMP STATION. PROVIDE NEMA 4X CONTROLS PULLBOX AT ENTRY POINT TO PUMP STATION.
- MOUNT SENSUS PIT SET MODULE AND ANTENNA ON VAULT HATCH IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. PROVIDE SUFFICIENT CABLE TO ALLOW HATCH OPENING AND MAINTENANCE.



1 INSTRUMENTATION SITE PLAN  
 10.05 SCALE: 1" = 10'



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

DES: JJN  
 DRAWN: JJN  
 CHECK: PWG  
 DATE: 1/24/20

SCALE: AS SHOWN  
 HORIZ: 1" = 40'  
 VERT: N/A

CRYSTAL SPRING  
 PUMP STATION RELOCATION

INSTRUMENTATION SITE PLAN

REV	DATE	DESCRIPTION	DRAWING	SHEET
1	3/17/20	ADDENDUM #2	10.05	71

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