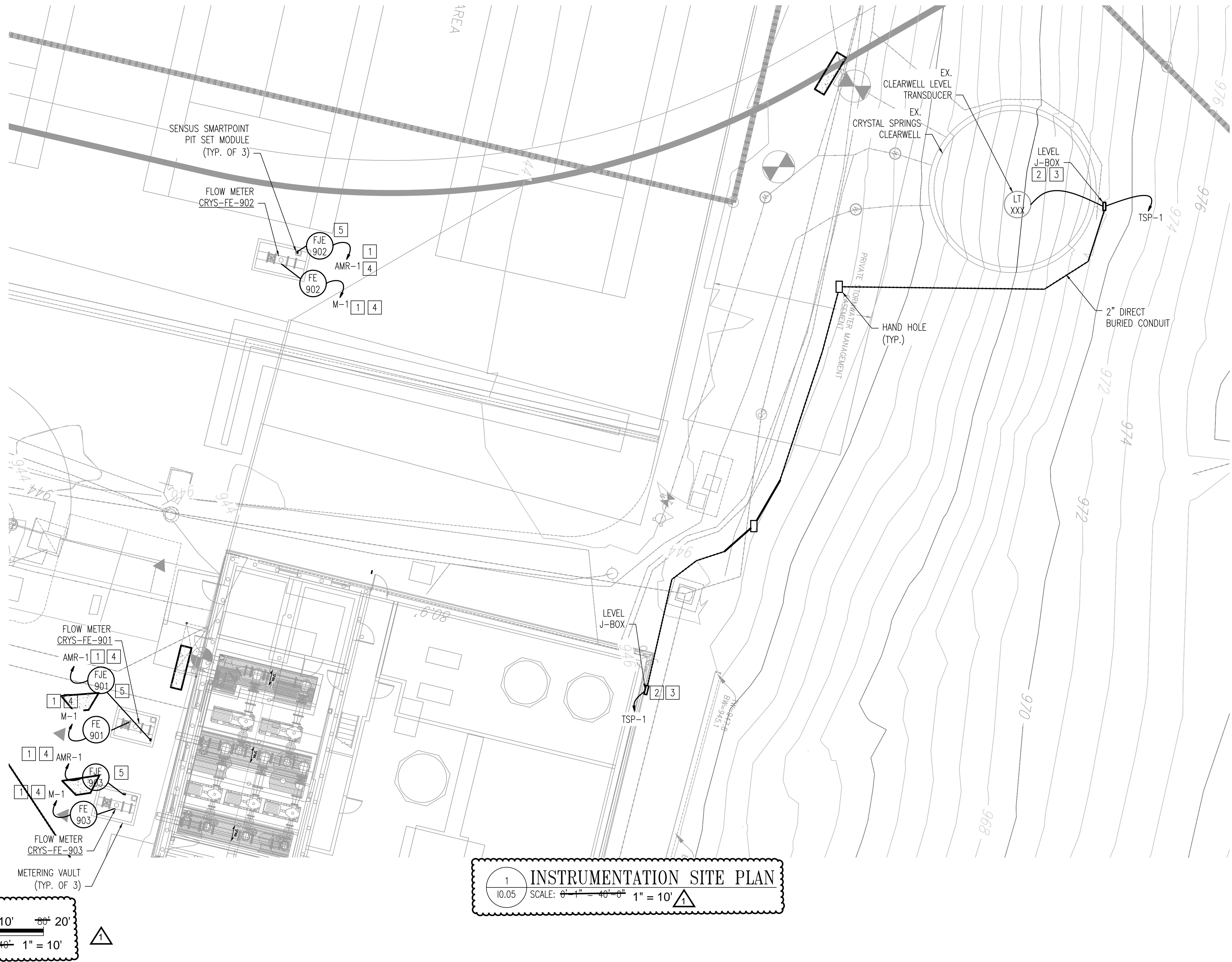


GENERAL SHEET NOTES

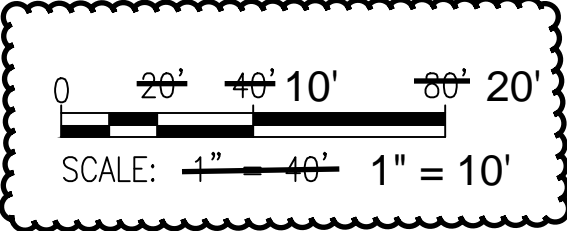
- 1. SEE I&C SYMBOLS, LEGENDS AND ABBREVIATIONS SHEETS FOR DETAILS.
- 2. REFER TO ELECTRICAL & MECHANICAL DRAWINGS FOR ADDITIONAL INSTALLATION, LOCATIONS, AND EQUIPMENT REQUIREMENTS.
- 3. PROVIDE QUANTITY OF CONDUITS AS REQUIRED FOR THE CABLES SHOWN THE THE INSTRUMENTATION PLAN DRAWINGS PLUS ADDITIONAL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

SHEET KEYNOTES [X]

- 1. 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.
- 2. PROVIDE NEW NEMA 4X LEVEL J-BOX WITH TERMINAL STRIP AND DIN-RAIL MOUNTED SURGE PROTECTIVE DEVICES.
- 3. PROVIDE DIRECT BURIED PVC CONDUIT FROM CLEARWELL TANK TO PUMP STATION.
- 4. PROVIDE 2" DIRECT BURIED PVC CONDUIT FROM VALVE VAULTS TO PUMP STATION. PROVIDE NEMA 4X CONTROLS PULLBOX AT ENTRY POINT TO PUMP STATION.
- 5. 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

DRAWING  
10.05

SHEET  
71

REV	DATE	DESCRIPTION
1	3/17/20	ADDENDUM #2