

FIRE ALARM LEGEND

-  CONNECT TO EXISTING
-  EXTENT OF DEMOLITION
-  EXISTING
-  DEMOLITION WORK SHOWN DARK AND HEAVY ON DEMOLITION DRAWINGS
-  NEW WORK SHOWN DARK AND HEAVY ON NEW WORK DRAWINGS
-  CONDUIT RISE
-  CONDUIT CONTINUATION
-  FIRE ALARM CONTROL PANEL
-  REMOTE ANNUNCIATOR PANEL
-  MANUAL PULL STATION
-  SMOKE DETECTOR – CEILING MOUNTED
-  DUCT MOUNTED SMOKE DETECTOR
SUBSCRIPT 'SA' INDICATES DETECTOR MOUNTED IN SUPPLY AIR
SUBSCRIPT 'RA' INDICATES DETECTOR MOUNTED IN RETURN AIR
-  HEAT DETECTOR – CEILING MOUNTED
-  REMOTE INDICATOR LAMP WITH TEST SWITCH
-  COMBINATION FIRE ALARM HORN/STROBE APPLIANCE
SUPERSCRIPIT 'XX' INDICATES CANDELA RATING
SUBSCRIPT 'C' INDICATES CEILING MOUNTED
-  FIRE ALARM STROBE APPLIANCE
SUPERSCRIPIT 'XX' INDICATES CANDELA RATING
SUBSCRIPT 'C' INDICATES CEILING MOUNTED
-  FIRE ALARM HORN APPLIANCE
SUBSCRIPT 'C' INDICATES CEILING MOUNTED

EQUIPMENT / DEVICE DESIGNATIONS:

- (E) EXISTING DEVICE TO REMAIN
- (ER) EXISTING DEVICE / EQUIPMENT TO BE RELOCATED / REINSTALLED
- (R) EXISTING DEVICE / EQUIPMENT IN NEW LOCATION

FIRE ALARM ABBREVIATIONS

- A AMPERAGE
- ABV ABOVE
- AFF ABOVE FINISHED FLOOR
- AHJ AUTHORITY HAVING JURISDICTION
- AHU AIR HANDLING UNIT
- ASSD AIR SAMPLING SMOKE DETECTION

- CFM CUBIC FEET PER MINUTE
- CLG CEILING
- COR CONTRACTING OFFICER'S REPRESENTATIVE

- DEG F DEGREES FAHRENHEIT

- FAA FIRE ALARM ANNUNCIATOR PANEL
- FACP FIRE ALARM CONTROL PANEL
- FARP FIRE SUPPRESSION RELEASE PANEL
- FATC FIRE ALARM TERMINAL CABINET
- FATP FIRE ALARM TRANSPONDER PANEL
- FDC FIRE DEPARTMENT CONNECTION
- FT FEET

- GA GAUGE
- GAP GRAPHIC ANNUNCIATOR PANEL

- HT HEIGHT
- HR HOUR

- IDC INITIATING DEVICE CIRCUIT
- IN INCHES

- MAX MAXIMUM
- MIN MINIMUM
- MISC MISCELLANEOUS
- MNS MASS NOTIFICATION SYSTEM

- NAC NOTIFICATION APPLIANCE CIRCUIT
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- NOM NOMINAL
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- NO NUMBER

- P/PH PHASE

- REF REFERENCE
- REV REVISION
- RM ROOM
- RX REMOVE EXISTING

- SCH SCHEDULE
- SLC SIGNALING LINE CIRCUIT
- SIM SIMILAR
- SQ FT SQUARE FEET

- TYP TYPICAL

- UNO UNLESS NOTED OTHERWISE
- UL UNDERWRITER'S LABORATORIES

- V VOLTS
- VIF VERIFY IN FIELD

- W/ WITH

- ZCA ZONE CONTROL ASSEMBLY

FIRE ALARM GENERAL NOTES

1. SCOPE OF WORK – MODIFY THE EXISTING FIRE ALARM SYSTEM (MANUFACTURER: HONEYWELL, MODEL VISTA SERIES) WITHIN THE AREAS IDENTIFIED WITHIN THE CRYSTAL SPRING PUMP STATION BUILDING. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 70, THE NATIONAL ELECTRICAL CODE, 2014 EDITION, NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2013 EDITION, AND PROJECT SPECIFICATIONS.
2. NEW FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH THE EXISTING HONEYWELL VISTA SERIES FIRE ALARM SYSTEM. EXISTING FACP IS LOCATED ON THE MEZZANINE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE NECESSARY CONNECTIONS OF ALL NEW OR MODIFIED FIRE ALARM DEVICES TO EXISTING CIRCUITS AND SHALL MODIFY SYSTEM PROGRAMMING AS NEEDED.
4. CONTRACTOR SHALL MAINTAIN FIRE ALARM SYSTEM OPERABILITY OUTSIDE CONSTRUCTION BOUNDARIES AND NOTIFY FACILITY MANAGEMENT OF ALL SYSTEM OUTAGES.
5. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS.
6. ALL FIRE ALARM WORK SHALL BE INSPECTED BY REPRESENTATIVES OF THE OFFICE OF THE FIRE MARSHAL FOR COMPLIANCE WITH NFPA 70, NFPA 72, AND THE CONTRACT DOCUMENTS. ALL SUPERVISORY AND TROUBLE ALERTS SHALL BE CLEARED BEFORE SYSTEM IS ACCEPTED.
7. SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 3 FT OF HVAC DIFFUSERS.
8. FIRE ALARM CABLING SHALL BE INSTALLED IN MINIMUM 3/4-IN ELECTRICAL METALLIC TUBING (EMT). FLEXIBLE CONDUIT SHALL BE PERMITTED IN LENGTHS UP TO 6 FEET.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING OF CONDUCTORS AND RACEWAY IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC AND NFPA 72.
10. FIRE-RATED ASSEMBLIES THAT ARE PENETRATED MUST BE SEALED WITH A U.L.-LISTED FIRE-RESISTIVE THROUGH-PENETRATION SYSTEM APPROPRIATE FOR THE ASSEMBLY PENETRATED.
11. INSTALLATION AND TERMINATION OF ALL CABLING AND WIRE SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS.
12. STROBES, HORNS, AND HORN/STROBE APPLIANCES USED WITHIN THE SAME FACILITY SHALL BE FROM THE MANUFACTURER'S SAME EQUIPMENT LINE SO THAT THEY MATCH TO THE MAXIMUM EXTENT POSSIBLE. OBTAIN OWNER'S APPROVAL PRIOR TO ANY DEVIATIONS.
13. THE FOLLOWING WIRING STYLES SHALL BE FOLLOWED:
 - SIGNALING LINE CIRCUITS (SLC): CLASS B
 - INITIATING DEVICE CIRCUITS (IDC): CLASS B
 - NOTIFICATION APPLIANCE CIRCUITS: CLASS B
14. FIRE ALARM JUNCTION BOXES AND CONDUIT SHALL BE IDENTIFIED AS INDICATED IN THE PROJECT SPECIFICATIONS.

PLOT STYLE: WPL_PLOT.ctb PAPER SIZE: ARCH FULL BLEED D (36.00 X 24.00 INCHES)



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

DES: EPH	SCALE: NOT TO SCALE
DRAWN: PBF	HORIZ: N/A
CHECK: EPH	VERT: N/A
DATE: 1/24/20	

CRYSTAL SPRING
PUMP STATION RELOCATION

**FIRE ALARM LEGEND, ABBREVIATIONS,
AND GENERAL NOTES**

REV	DATE	DESCRIPTION

DRAWING	SHEET
FA0.01	35