

SPRINKLER SYSTEM GENERAL NOTES

1. FIRE PROTECTION WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANITOBA BUILDING CODE, ALL APPLICABLE FM GLOBAL DATA SHEETS AND THE REFERENCED NATIONAL FIRE PROTECTION ASSOCIATION CODES INCLUDING 13, 14, 20, AND 24.
2. ALL FIRE PROTECTION SYSTEMS, EQUIPMENT, PIPING AND VALVES SHALL BE INSTALLED AND TESTED BY A LICENSED SPRINKLER CONTRACTOR AND EXPERIENCED IN THE INSTALLATION OF SPRINKLER SYSTEMS.
3. OBTAIN ALL PERMITS AND PAY ALL FEES ASSOCIATED WITH THIS WORK PRIOR TO COMMENCEMENT.
4. PIPING AND EQUIPMENT IS SHOWN DIAGRAMMATICALLY THE ACTUAL ROUTING OF PIPING AND EXACT LOCATION OF EQUIPMENT SHALL BE DETERMINED IN THE FIELD.
5. THE DRAWINGS SUGGEST ROUTING OF PIPING. THE CONTRACTOR SHALL PRODUCE A COMPLETE SET OF WORKING PLANS IN ACCORDANCE WITH NFPA 13. THE SYSTEM SHALL BE HYDRAULICALLY CALCULATED PER THE DESIGN CRITERIA SPECIFIED. ALL PLANS AND CALCULATIONS SHALL BE STAMPED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER AND SHALL BE SUBMITTED FOR REVIEW OR APPROVAL.
6. IN ADDITION TO REVIEWING AND COORDINATING WITH THE EXISTING CONDITIONS (CIVIL, STRUCTURAL, ARCHITECTURAL, HVAC AND ELECTRICAL) THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH THE DETAILS OF EXISTING CONSTRUCTION.
7. FURNISH AND INSTALL ALL NECESSARY PIPING EQUIPMENT SUPPORTS AND ANY EQUIPMENT NOT SHOWN ON DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS BUT NECESSARY TO PROVIDE A COMPLETE AND WORKABLE SYSTEM.
8. PROVIDE ACCESS TO ALL EQUIPMENT REQUIRING PERIODIC SERVICE AND MAINTENANCE.
9. INSTALL ACCESS PANELS REQUIRED FOR INSTALLATION.
10. PITCH ALL PIPING TO DRAIN, PROVIDE AN AUXILIARY DRAIN AT ALL LOW POINTS.
11. PROVIDE WATER TIGHT SLEEVES ON ALL PIPES PASSING THROUGH EXTERIOR WALLS AND BASEMENT FLOORS.
12. ALL VALVES CONTROLLING FIRE PROTECTION MAINS SHALL BE PROVIDED WITH TAMPER/SUPERVISORY SWITCHES WIRED TO THE FIRE ALARM CONTROL PANEL.
13. CONTRACTOR SHALL PROVIDE FIRE STOPPING FOR ALL PENETRATIONS THRU FIRE WALLS AND FIRE RATED SEPERATIONS, CONTRACTOR SHALL VERIFY RATINGS ON SITE. INSTALLATION OF FIRE STOPPING SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

LEGEND

PIPING LINETYPES

- F — FIRE SERVICE/MAIN/BUILDING WET PIPING
- SPR — WET PIPE SPRINKLER SYSTEM
- FDC — FIRE DEPARTMENT CONNECTION PIPING
- SPD — SPRINKLER DRAIN
- D — DRY PIPE SPRINKLER SYSTEM

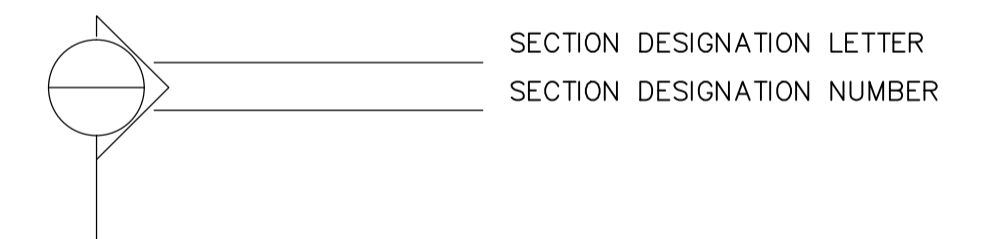
PIPING SYMBOLS

- OED OPEN END DRAIN
- ↗ DIRECTION OF SLOPE
- ELBO UP OR RISE
- ELBOW DOWN OR DROP
- S — TEE LOOKING DOWN
- ○ — TEE LOOKING UP
- ⊥ — VALVE IN VERTICAL
- ▶ FLOW IN DIRECTION OF ARROW
- ┘ CAP OR END OF PIPE
- ┐ REDUCER
- ||— PIPE SLEEVE
- ||— UNION

EQUIPMENT & VALVES

- △ WET SYSTEM MAIN RISER
- ◇ DRY SYSTEM MAIN RISER
- ⊠ ANGLE VALVE
- BALL VALVE
- ⊠^S BUTTERFLY VALVE – SUPERVISED
- ⊠ CHECK VALVE
- ⊠ BACKFLOW PREVENTER
- FS FLOW SWITCH
- ⊠ OS&Y VALVE – SUPERVISED
- ⊠ PRESSURE REDUCING/REGULATING VALVE
- FS PRESSURE SWITCH
- ⊠ PRESSURE GAUGE
- ⊠ FIRE DEPARTMENT CONNECTION

ANNOTATIONS



LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	B.M. ELEV. CONSTRUCTION COMPLETION DATE: YYYY MM DD	DESIGNED BY JDB CHECKED BY JDB	ENGINEER'S SEAL CONSULTANT DRAWING NUMBER	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION 552 PLINGUET AVENUE FIRE PROTECTION UPGRADES LEGEND AND NOTES	SHEET 2 OF 18 CITY DRAWING NUMBER 1-0702A-M0002-001
	NO. REVISIONS DATE BY	DRAWN BY JDB APPROVED BY SCALE: HORIZONTAL VERTICAL RELEASED FOR CONSTRUCTION DATE			Q ISSUED FOR BID OP 1077-2018 2019 01 10 JDB NO. REVISIONS DATE BY