

PUMPING STATION - LOWER LEVEL (ELEVATION 228.295)
SCALE: 1 : 75

GENERAL NOTES:

- ALL DEVICES SHOWN ARE NEW AND NEED TO BE PROVIDED BY THE CONTRACTOR. EXISTING FIRE ALARM SYSTEM TO BE DEMOLISHED. SEE DRAWING 1-0640M-E0052 FOR DEMOLITION WORK.
- ALL WIRING ASSOCIATED WITH FIRE ALARM EQUIPMENT SHALL BE RUN IN CONDUIT AND PROVIDED BY THE CONTRACTOR.
- PROVIDE EXPANSION COUPLINGS AND FITTINGS FOR ALL CONDUIT CROSSING EXPANSION JOINTS (IF APPLICABLE).
- UTILIZE A MINIMUM OF #12 AWG WIRE SIZE FOR NOTIFICATION APPLIANCE CIRCUITS (NAC).
- ALL WIRE CONNECTION SHALL BE MADE VIA TERMINAL BLOCKS (MARRETTES NOT ALLOWED).
- CONTRACTOR IS RESPONSIBLE TO PROVIDE ANY ADDITIONAL EQUIPMENT IN ORDER TO COMPLETE FIRE ALARM DESIGN.
- CONTRACTOR TO PROVIDE 1PR, 16 AWG, TWISTED CABLE RUN IN CONDUIT FOR DATA WIRING BETWEEN FACP-M922 AND REMOTE ANNUNCIATOR. ELECTRICAL CONTRACTOR TO PROVIDE 2C, 14 AWG RW90 CABLE RUN IN CONDUIT FOR 24 VDC POWER FROM FACP-M922 TO REMOTE ANNUNCIATOR.
- REFER TO SPECIFICATION FOR FIRE ALARM EQUIPMENT MODEL NUMBERS.
- UTILIZE A MINIMUM OF #18 AWG FOR DETECTION CIRCUITS.
- REFER TO DETECTION AND NOTIFICATION RISER DIAGRAMS 1-0640M-E0055 AND 1-0640M-E0056 RESPECTIVELY FOR WIRING OF FIRE ALARM SYSTEM.
- REFER TO ASBESTOS REPORTS IN APPENDIX B. ASBESTOS IS PRESENT IN AND/OR PRESUMED TO BE PRESENT IN (BUT NOT LIMITED TO) THE FOLLOWING:
 PIPING : RAIN WATER LEADER (SWEAT WRAP PIPE INSULATION & PARING OVER FIBREGLASS)
 HEATING WATER SUPPLY/RETURN (PARING OVER FIBREGLASS)
 FLOOR : PLASTER (CERAMIC TILES)
 ADHESIVE/MASTIC (CERAMIC TILES)
 WALL : VERMICULITE INSULATION (MASONRY)
 PLASTER (PREFORMED BLOCK & CERAMIC TILES)
 ADHESIVE/MASTIC (CERAMIC TILES)

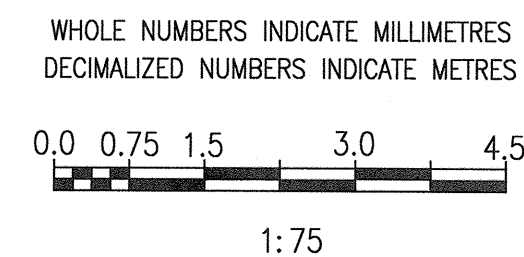
DESIGN INTENT NOTES

1/ FAS-M-D24 (DUCT DETECTOR LOCATED DIRECTLY BELOW ON DRAWING 1-0640M-E0053) IS INTENDED TO SHUT OFF SUPPLY FANS FN1, FN2 AND FN3. IN THE EVENT OF AN ALARM, CONTROL RELAY FAS-M-C01, C02, C03 WILL GENERATE A SIGNAL TO SHUT OFF FANS FN1, FN2 AND FN3 RESPECTIVELY.

CONSTRUCTION NOTES:

- FIXED TEMPERATURE HEATER DETECTOR TO BE RATED FOR 90 DEGREES CELSIUS IN THE FAN ROOM AND ELECTRIC COIL ROOM..

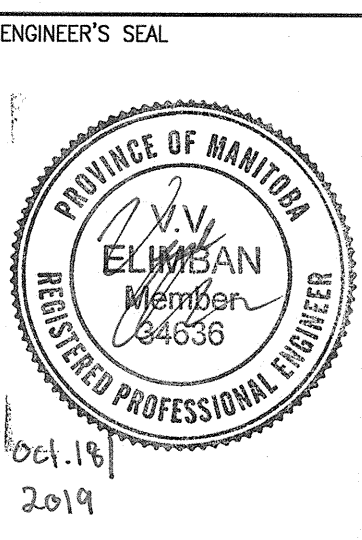
METRIC



DRAWING NUMBER	REFERENCE DRAWINGS
1-0640M-A0053	ELECTRICAL FIRE ALARM PLAN, PUMPHOUSE, LOWER LEVEL
1-0640M-A0052	ELECTRICAL FIRE ALARM PLAN, PUMPHOUSE MEZZANINE LEVEL, DEMO
1-0640M-A0082	LOOP DIAGRAM, FACP-M922 ALARM
1-0640M-E0057	ELECTRICAL FIRE ALARM, LEGEND AND DETAILS
1-0640M-E0056	RISER DIAGRAM, NOTIFICATION SYSTEM
1-0640M-E0055	RISER DIAGRAM, DETECTION SYSTEM

00	ISSUED FOR TENDER AND CONSTRUCTION	2019/10/18	VE	KS
NO.	REVISIONS	DATE	DESIGN	CHECK

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DESIGNED BY: V. ELIMBAN	CHECKED BY: K. SAPIAK
DRAWN BY: C. DUBON	APPROVED BY: D. BECKER
SCALE: 1:75	ISSUED FOR CONSTRUCTION
DATE: 2019/07/04	BY: A. WEISS
	DATE: 2019/10/18
CONSULTANT NO.:	



THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
MCPHILLIPS PUMPING STATION ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT ELECTRICAL FIRE ALARM PLAN PUMPHOUSE MEZZANINE LEVEL			
CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0640M-E0054	001	00	A1