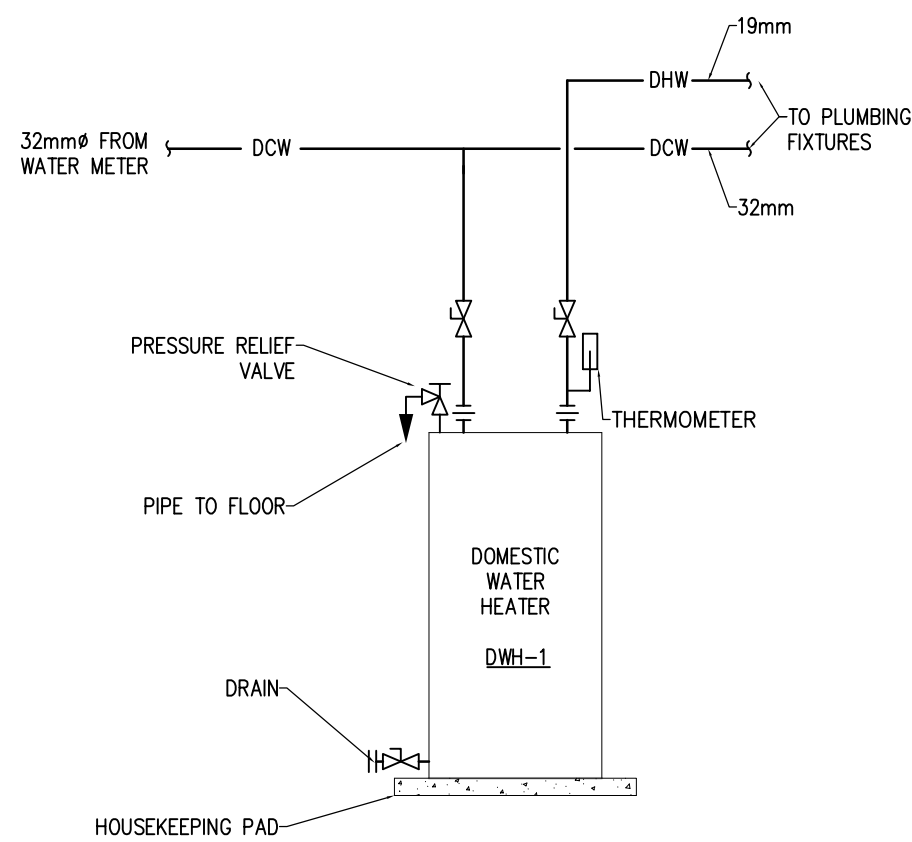
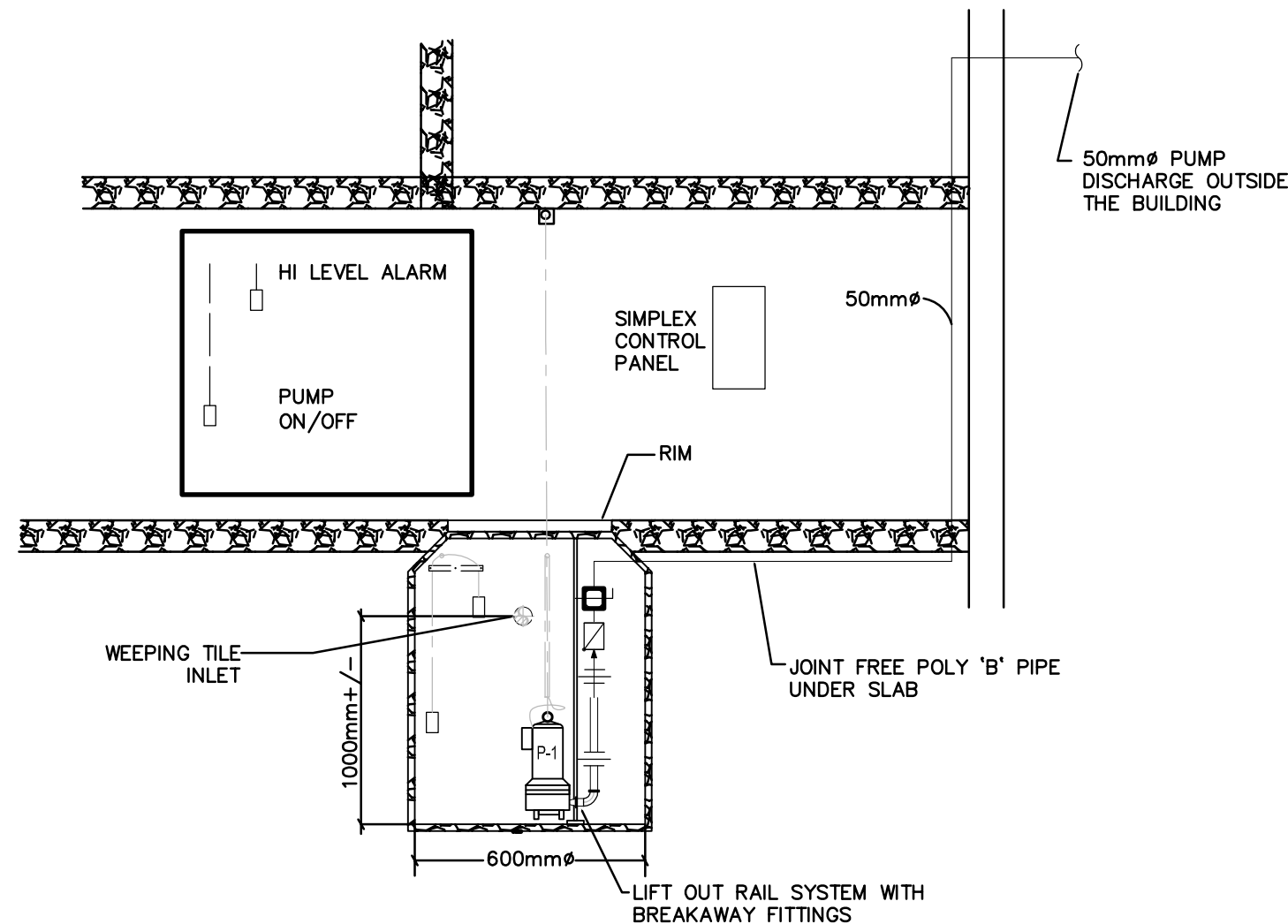


1 NEW PARTIAL BASEMENT PLUMBING LAYOUT
M3 1:50



2 DOMESTIC HOT WATER HEATER DETAIL
M3 NTS



3 WEEPING TILE SUMP PIT DETAIL
M3 NTS

- GENERAL NOTES:**
- DO NOT SCALE THIS DRAWING, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
 - THE DRAWING ONLY SHOWS A GENERAL SCHEMATIC OF NEW SYSTEMS. ROUTING OF DUCTWORK AND UNITS LOCATIONS SHALL SUIT SITE CONDITIONS AND MAY HAVE TO BE CHANGED TO AVOID CONFLICTS WITH STRUCTURE, DUCTS AND PIPES. WHEN CONFLICT CANNOT BE AVOIDED, THE DUCTWORK SHALL BE MODIFIED AS REQUIRED.
 - CONTRACTOR SHALL INCLUDE FOR AND PROVIDE ALL COORDINATION BETWEEN TRADES AND CONSULTANT ON AND OFF SITE AS REQUIRED FOR INSTALLATION OF MECHANICAL AND ELECTRICAL SYSTEMS, WHERE MINOR REROUTING OF DUCTWORK OR SERVICES IS REQUIRED DUE TO ONSITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
 - CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.
 - ANY EXCAVATION WORKS SHALL COMPLY IN STRICT ACCORDANCE WITH PARKS CANADA GUIDELINES AND SUPERVISION.
 - NEW OPENINGS IN STONE MUST BE DONE W/ HAND TOOLS ONLY. REFER TO SECTION 04 03 43 - HISTORIC STONE REMOVAL. ALTERNATIVE METHODS MUST BE APPROVED BY DEPARTMENTAL REPRESENTATIVE.

- DRAWING KEYNOTES:**
- NEW 200mm COMBINED SPRINKLER AND WATER MAIN. REFER TO DETAIL. REFER TO DRAWING 1/M1 FOR CONTINUATION. CONNECT TO THE APPROPRIATE SERVICE.
 - NEW 100mm SANITARY LINE. REFER TO DRAWING 1/M1 FOR CONTINUATION. CONNECT TO THE APPROPRIATE SERVICE.
 - NEW LOCATION OF RELOCATED SUMP PIT C/W SUMP PIT. PROVIDE NEW PIPING AND COORDINATE ROUTING ON SITE.
 - REFER TO FIRE PROTECTION DRAWING M6.1 FOR CONTINUATION.
 - NEW DUAL CHECK VALVE BACKFLOW PREVENTER. PIPE DRAIN INDIRECTLY TO NEW HUB DRAIN.
 - WATER METER C/W SHUT-OFF VALVE.
 - PROVIDE LOW TEMPERATURE ALARM CONNECTED TO INTRUSION ALARM SYSTEM.
 - PIPE NEW DISCHARGE LINE FROM EXISTING RELOCATED SUMP PUMP TO OUTSIDE OF THE BUILDING AND SPILL ON GRADE. PROVIDE SPLASH PAD. COORDINATE PIPE ROUTING ON SITE.
 - WEEPING TILE INLET BY OTHERS.
 - NEW 50mm# WEEPING TILE SUMP PUMP DISCHARGE UNDERSLAB TO BE JOINT FREE. PROVIDE TRENCHING.
 - 50mm# SUMP PUMP DISCHARGE PIPE FROM BELOW SLAB.
 - 50mm# SUMP PUMP DISCHARGE TO OUTSIDE OF THE BUILDING AND SPILL ON GRADE. PROVIDE SPLASH PAD.
 - NEW WEEPING TILE SUMP PIT C/W SIMPLEX PUMP REFER TO SCHEDULE ON THIS SHEET FOR CAPACITY. COVER AND FRAME BY ARCHITECTURAL.
 - VENT PIPE TO RUN IN MECHANICAL CHASE UP TO ATTIC AND THROUGH ROOF. OFFSET AS REQUIRED TO AVOID ANY DUCTWORK AND/OR SPRINKLER PIPE. COORDINATE WITH ARCHITECTURAL.

SUMP PIT & PUMP SCHEDULE (Based Bell & Gossett)									
TAG	LOCATION	MODEL	MOTOR DATA		FLOW RATE AND PRESSURE DATA				NOTES
			HP	V	FLOW L/S	GPM	PRESSURE (kPa)	(ft. WC)	
P-1	RM B4	2DES	0.75	115	2.84	45	90	30.0	1, 2, 3, 4

NOTES:

- Pit shall be corrosion resistant
- Pit shall accept 100mmØ (4") PVC pipe
- c/w sump cover
- c/w inlet/outlet PVC hub connectors
- Approved manufacturers: Myers, Grundfos

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KEYPLAN

0	ISSUED FOR TENDER	Sep. 12, 18
Revision/	Description/Description	Date/Date

Client/client

Public Works and Government Services Canada

100 - 167 Lombard Avenue
Winnipeg, Manitoba

Project title/Titre du projet

**Lower Fort Garry (LFG)
National Historic Site, Manitoba**

**HERITAGE BUILDING
RECAPITALIZATION**

Approved by/Approuvé par
DH

Designed by/Concept par
PA

Drawn by/Dessiné par
JT

PWGSC Project Manager/Administrateur de Projets TFSGC
CK

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TFSGC
•

Client/client
PARKS CANADA

Drawing title/Titre du dessin

**BIG HOUSE -
PARTIAL BASEMENT
NEW PLUMBING LAYOUT**

Project No./No. du projet R.075212.001	Sheet/ Feuille M3 OF 14	Revision no./ La Révision no. 0
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