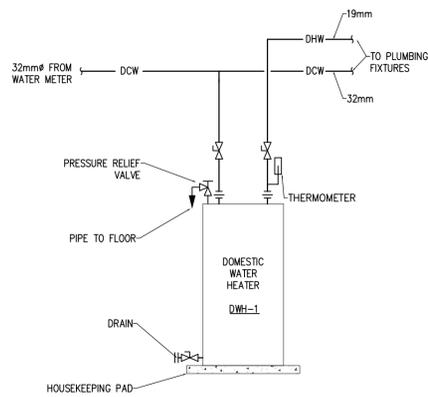
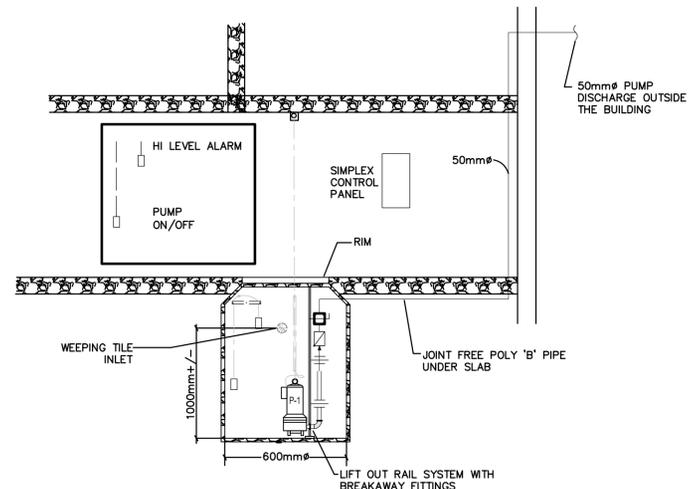


1 NEW PARTIAL BASEMENT PLUMBING LAYOUT
M3 1:50



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:

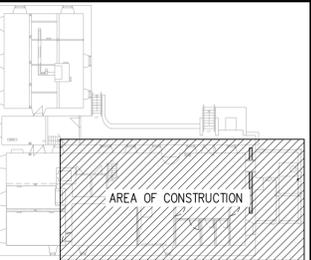
- NEW 200mm COMBINED SPRINKLER AND WATER MAIN. REFER TO DETAIL. REFER TO DRAWING 1/M1 FOR CONTINUATION. CONNECT TO THE APPROPRIATE SERVICE.
- NEW 100mm SANITARY LINE. REFER TO DRAWING 1/M1 FOR CONTINUATION. CONNECT TO THE APPROPRIATE SERVICE.
- NEW LOCATION OF RELOCATED SUMP PIT C/W SUMP PIT. PROVIDE 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



KEYPLAN



APEGM
Certificate of Authorization
HDK Consulting Incorporated
No. 5539 Date: 04/30/2017

Revision/Revisions	Description/Description	Date/Date
0	ISSUED FOR TENDER	Sep. 12, 16

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 TPSCG
CK
PWGSC, Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie, TPSCG
Client/client
PARKS CANADA
Drawing title/Titre du dessin

BIG HOUSE - PARTIAL BASEMENT NEW PLUMBING LAYOUT

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