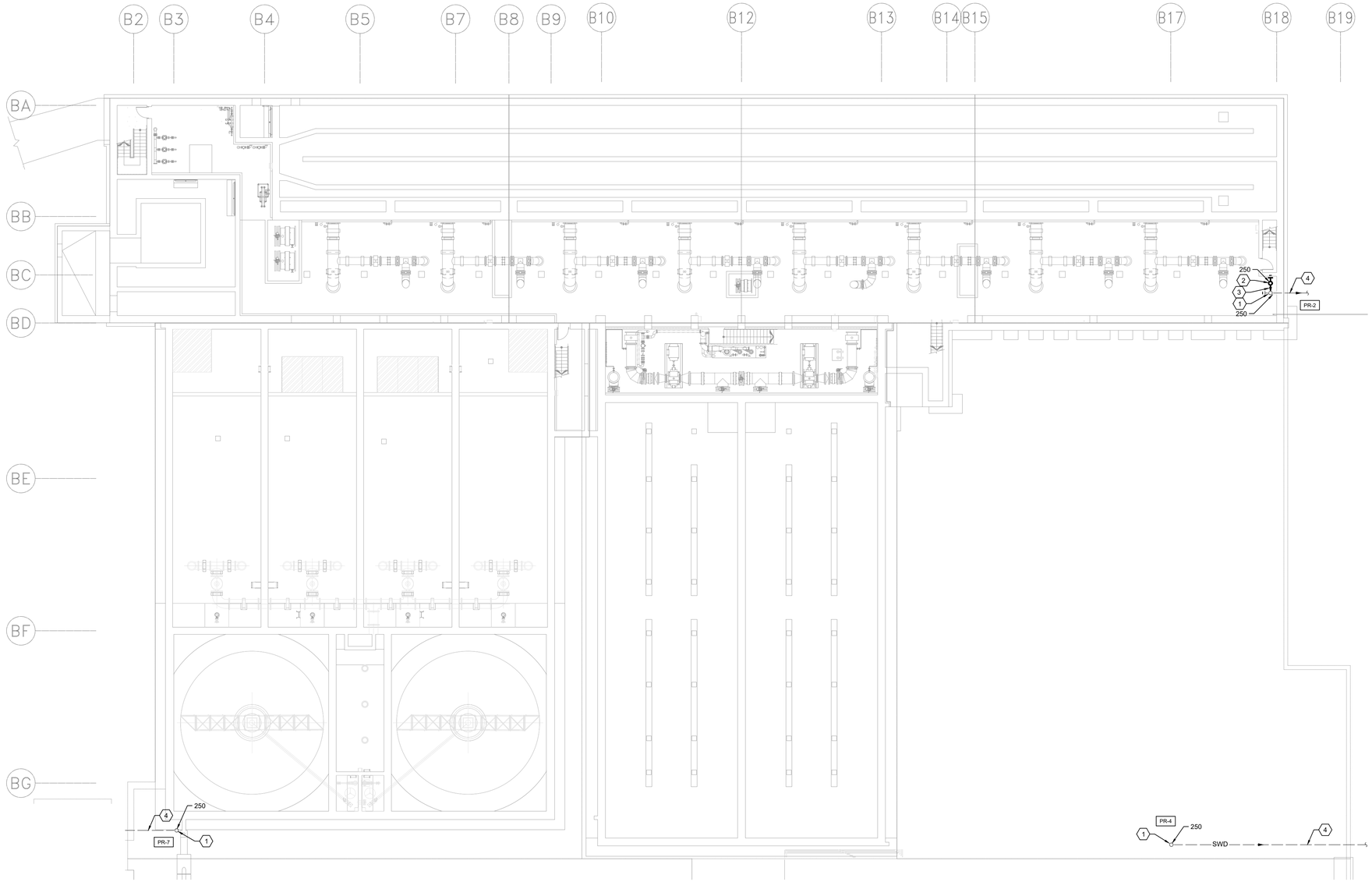
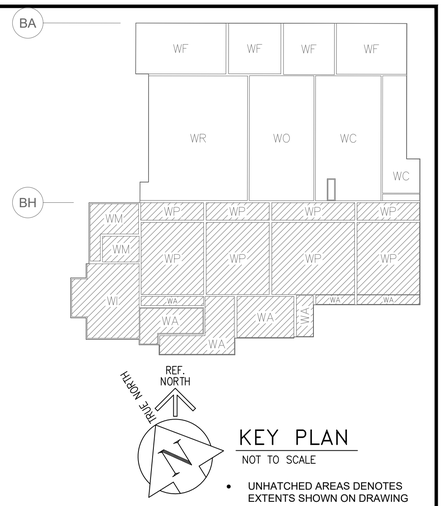
SHEET: COW-A1 (05/2005)

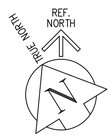




KEY PLAN

NOT TO SCALE

- UNHATCHED AREAS DENOTES EXTENTS SHOWN ON DRAWING



PLUMBING – LOWER LEVEL PLAN – NEW CONSTRUCTION

1 : 200 (WF, WR, WO & WC)

GENERAL NOTES

1. ALL EQUIPMENT SHUT DOWN AND NOISY WORK TO BE PERFORMED IN ACCORDANCE WITH WORK HOURS AND NOISE RESTRICTIONS SET FORTH IN THE SPECIFICATION AND COORDINATED WITH CONTRACT ADMINISTRATOR.
2. REVIEW ALL CONSTRUCTION DOCUMENTS, VERIFY ROUTING AND EQUIPMENT REMOVAL AND RE-INSTALLATION ETC. PRIOR TO PROCEEDING WITH WORK. REPORT ANY DISCREPANCIES TO CONTRACT ADMINISTRATOR.
3. PERFORM COORDINATION BETWEEN ALL TRADES AS REQUIRED FOR REMOVAL AND RE-INSTALLATION OF EQUIPMENT. WHERE ADDITIONAL WORK REASONABLY INCIDENTAL TO THE ORIGINAL DESIGN INTENT IS REQUIRED DUE TO SITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
4. WHERE REMOVAL OF EQUIPMENT REQUIRES RE-INSULATING OR ADDITIONAL PATCHING, PERFORM WORK AT NO ADDITIONAL COST. ALL PATCHING AND RE-INSULATING TO MATCH EXISTING OR MEET THE MINIMUM REQUIREMENTS OF THE SPECIFICATION WHERE THE EXISTING CONDITION IS OF LESS QUALITY THAN THE SPECIFICATION.
5. WHEN EQUIPMENT, DUCTING OR OTHER MECHANICAL ITEMS ARE REMOVED FROM ROOF AND REQUIRED TO BE RE-INSTALLED, STORE IN SAFE LOCATION TO PREVENT WEATHER OR PHYSICAL DAMAGE TO EQUIPMENT, DUCTING OR ANY OTHER MECHANICAL ITEMS.

KEY NOTES

1. EXISTING STORM WATER LEADER DOWN FROM FLOOR ABOVE.
2. NEW SECONDARY STORM WATER LEADER DOWN FROM FLOOR ABOVE.
3. CONNECT NEW SECONDARY STORM WATER PIPING TO EXISTING PRIMARY STORM PIPING AT LOW LEVEL.
4. EXISTING STORM WATER PIPING TO REMAIN.

MECHANICAL LEGEND

SWD	NEW PRIMARY STORM WATER DRAINAGE ABOVE FLOOR OR GRADE
SWD2	NEW SECONDARY STORM WATER DRAINAGE ABOVE FLOOR OR GRADE
SWD	EXISTING PRIMARY STORM WATER DRAINAGE ABOVE FLOOR OR GRADE TO REMAIN
SWD	EXISTING PRIMARY STORM WATER DRAINAGE BELOW FLOOR OR GRADE TO REMAIN
	PIPE CAP
	DIRECTION OF FLOW
	CLEANOUT
	ROOF DRAIN
V	VENT
S	SANITARY VENT
P	VENT PIPE WITH METAL FLASHING
EF	EXHAUST FAN UNIT, CURBED
FV	FLUE VENT, CURBED
GN	GOOSE NECK VENTING, CURBED
	LOUVERED VENT HOOD, CURBED
	SCUPPER
**	PLUMBING FIXTURE DESIGNATION
	FIRE STANDPIPE
	ROOF LADDER
PR-#	PLUMBING RISER REFERENCE - REFER TO DRAWINGS 1-0601B-H0038-001 AND 1-0601B-H0039-001 FOR SCHEMATICS

SCALE 1:200 METRES 0 4 8 12 16 20

SCALE 1:1 MILLIMETRES 0 20 40 60 80 100

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5		
4	1-0601B-H0039-001	PLUMBING SOUTH STORM DRAIN SCHEMATIC ELEVATION
3	1-0601B-H0038-001	PLUMBING NORTH STORM DRAIN SCHEMATIC ELEVATION
2	1-0601B-H0026-001	PLUMBING WF, WR, WO & WC STORM DRAIN UPGRADES FIRST FLOOR PLAN
1	1-0601B-H0025-001	PLUMBING WM & WI STORM DRAIN UPGRADES LOWER LEVEL PLAN

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
SMS Engineering Ltd.
No. 166

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	23/03/21	GS

SMS Engineering
770 Bradford Street Winnipeg, Canada (204) 775-0291 smseng.com
22-284-01

DESIGNED BY	GR	CHECKED BY	GS
DRAWN BY	GR	APPROVED BY	GS
SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	
DATE	2023/03/21	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
2023-03-21
STEWART
Member
31816
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
M2.1

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

DRINKING WATER TREATMENT PLANT
MAIN BUILDING
ROOF REPLACEMENT

PLUMBING
WF, WR, WO & WC STORM DRAIN UPGRADES
LOWER LEVEL PLAN

CITY FILE NUMBER W-1049
SHEET 1 OF 1
CITY DRAWING NUMBER 1-0601B-H0022-001

Last Save: 2023-03-21 4:39 PM

G:\PROJECTS\2022\22 284 DEACON'S CORNER WATER TREATMENT PLANT – RE-ROOF\3.0 CADD_REVIT\3.5 MECH\22284_M2.1-M2.4_PL-0_M.DWG