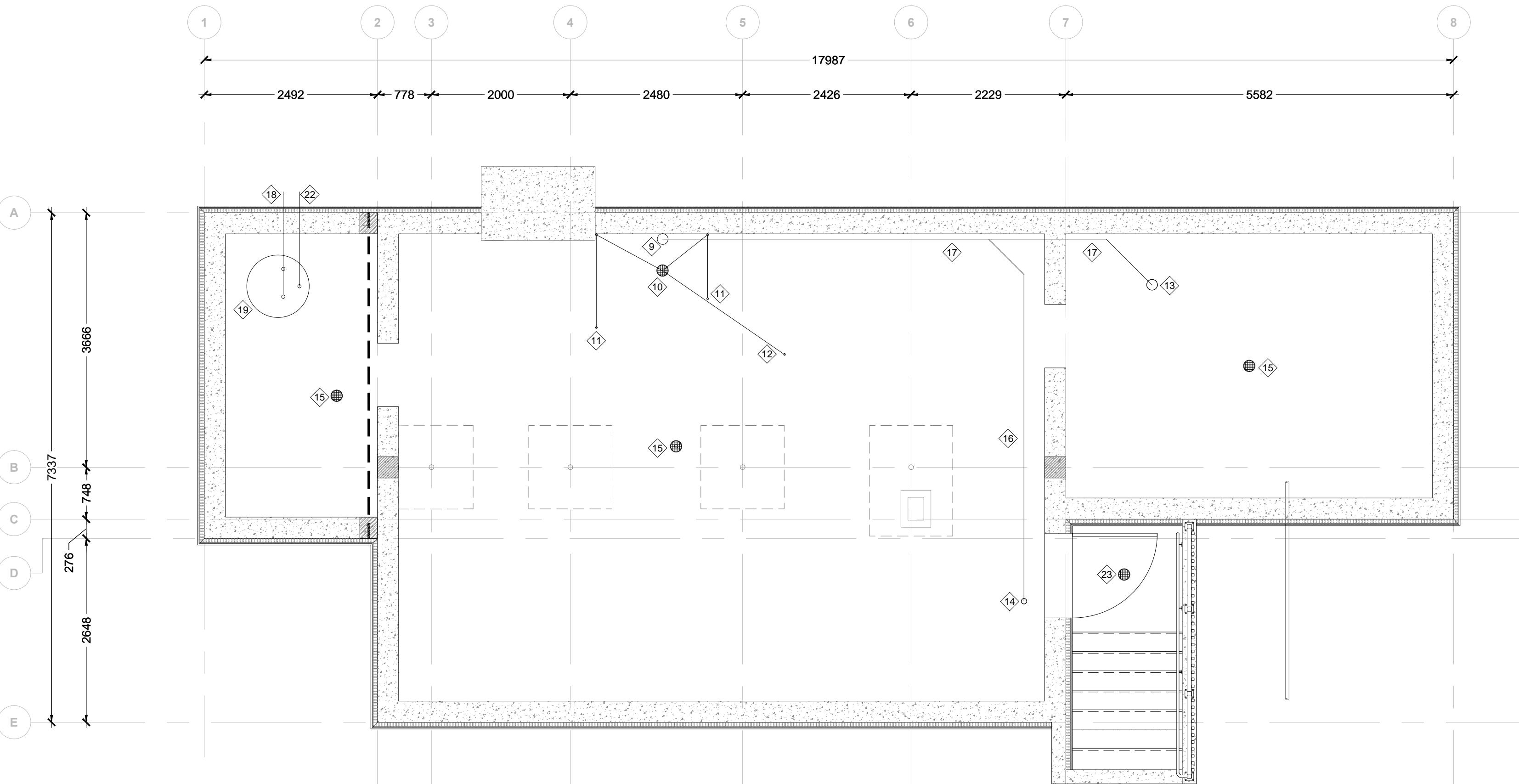


1 PROPOSED BELOW SLAB SANITARY SEWER PLAN
M3 1:50



2 PROPOSED SANITARY SEWER BASEMENT FLOOR PLAN
M3 1:50

GENERAL NOTES:

- 1) INSTALLATION TO BE IN ACCORDANCE WITH NPCC 2015, NBCC 2015 AND ALL OTHER APPLICABLE CODES AND STANDARDS. WHERE CONFLICT ARISES BETWEEN THE CODES AND STANDARDS THE MOST STRINGENT REQUIREMENTS SHALL APPLY.
- 2) ALL ITEMS SHOWN ARE BASED UPON INFORMATION GATHERED DURING SITE VISITS AND ARE SHOWN THE BEST OF OUR KNOWLEDGE.
- 3) DIMENSIONS ARE IN MM AND ARE TAKEN FROM GRID LINES AND FACE OF CONCRETE FOUNDATION.
- 4) GRID LINES ARE COINCIDENT WITH EXTERIOR FACE OF NEW CONCRETE FOUNDATION AND CENTERLINE OF EXISTING TELEPOST COLUMNS.
- 5) REFER TO STRUCTURAL, ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS.

KEYNOTES:

- 1 NEW SECTION OF BUILDING DRAIN TO CONNECT AT LOCATION OF CUT SHOWN IN DEMOLITION PLAN. REFER DRAWING D7.
- 2 NEW LOCATION OF MAIN BUILDING DRAIN. TIE NEW Ø75MM DRAIN PIPE TO EXTEND TO THE NEW FLOOR HEIGHT. INSTALL NEW BACKFLOW PREVENTER AND BUILDING CLEAN OUT. SEE ARCHITECTURAL DRAWINGS FOR NEW FLOOR HEIGHT DIMENSIONS.
- 3 NEW Ø75 MM DRAIN PIPE WITH 1% SLOPE. TIE TO MAIN BUILDING DRAIN.
- 4 NEW Ø50 MM DRAIN PIPE WITH 1% SLOPE FROM FLOOR DRAIN. TIE TO MAIN BUILDING DRAIN.
- 5 NEW Ø50 MM DRAIN WITH 1% SLOPE FROM FLOOR DRAIN. TIE TO SUMP PIT.
- 6 NEW FIELD INSTALLED SUMP PIT. TO BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.
- 7 SLOPE Ø150 MM NEW WEEPING TILE TO NEW SUMP PIT.
- 8 NEW Ø150 MM PERFORATED WEEPING TILE C/W PARTICULATE FILTER SOCK.
- 9 NEW Ø75 MM SANITARY SEWER DRAIN WITH 1% SLOPE PIPE TO RUN FROM CEILING TO TIE TO MAIN BUILDING SEWER. RUN PIPE CLOSE TO WALL.
- 10 NEW FLOOR DRAIN TO COLLECT CONDENSATE DRAIN FROM HVAC EQUIPMENT & EXISTING GEO THERMAL FURNACE..
- 11 NEW CONDENSATE LINE FROM EXISTING AND NEW HRV TO DRAIN TO THE FLOOR DRAIN.
- 12 NEW CONDENSATE LINE FROM EXISTING GEOTHERMAL FURNACE TO DRAIN TO FLOOR DRAIN.
- 13 NEW Ø75 MM DRAIN PIPE TO TIE TO THE EXISTING CUT DRAIN PIPE BELOW UNDERSIDE SHEATHING SERVING FIXTURES IN MAIN FLOOR.
- 14 NEW Ø38 MM DRAIN PIPE TO TIE TO THE EXISTING CUT DRAIN PIPE BELOW UNDERSIDE SHEATHING SERVING STAINLESS STEEL SINK IN MAIN FLOOR.
- 15 NEW FLOOR DRAIN.
- 16 NEW Ø38 MM SANITARY SEWER PIPE TO RUN IN CEILING SPACE TO TIE TO MAIN Ø75MM DRAIN PIPE.
- 17 NEW Ø75MM SANITARY SEWER PIPE TO RUN IN CEILING SPACE .
- 18 NEW Ø50 MM DRAIN PIPE FROM SUMP PIT TO DRAIN OUT. INSULATE TO EXTERIOR WALL, PENETRATE BELOW FLOOR JOISTS. SEE ARCHITECTURAL DRAWINGS FOR SPLASH PAD DETAILS.
- 19 NEW SUMP PUMP IN SUMP PIT.
- 20 NEW 100MM PERFORATED SOIL GAS COLLECTION PIPE UNDER SLAB. CAP PIPE 150MM FROM EDGE OF FOUNDATION WALL AT SLAB LEVEL AND LABEL "RADON, NOT A DRAIN". ENSURE 100MM AREA OF GRANULAR MATERIAL AROUND PIPE.
- 21 NEW Ø100 MM DRAIN PIPE FROM EXTERIOR FLOOR DRAIN WITH 1% SLOPE. TIE TO FIELD INSTALLED SUMP PIT INLET WHICH IS AT A MINIMUM OF 355MM BELOW FINISHED FLOOR. INSULATE 1500MM LENGTH OF DRAIN PIPE WITH 25MM INSULATION FOR HEAT TRACE. .
- 22 NEW Ø50 MM VENT PIPE FROM SUMP PIT.
- 23 NEW EXTERIOR FLOOR DRAIN.

PLUMBING SPECIALTIES & ACCESSORIES SCHEDULE

ITEM	QTY.	DESCRIPTION
SUMP PIT AND PUMP	1	NEW FIELD INSTALLED , FIBRE GLASS, NON PERFORTATED TANK SUMP PUMP PACKAGE. SUMP PIT: Ø762 X 914MM DEEP. POLYETHYLENE CONSTRUCTION. MULTIPLE INLET CONNECTIONS FOR Ø100MM FLOOR DRAIN & Ø150MM WEEPING TILE CONNECTION. TORQUE- STOPS TO RETAIN PUMP IN POSITION. HEAVY DUTY STEEL PLATE COVER , Ø863MM WITH 2 , 406 MM PUMP OPENING. Ø254 MM INSPECTION COVER. Ø50MM DISCHARGE. PUMP: 0.4 HORSEPOWER MOTOR. 115 VOLT CORDED SUPPLY. 75 LITERS PER MINUTE AT 5.7 METERS HEAD. INTEGRATED HIGH LEVEL WATER SENSOR AND CONTROL. ORDER WITH SPLASH PADS..
BACK FLOW PREVENTER	1	SEWER BACKFLOW VALVE, ABS CONSTRUCTION. INTEGRAL CLEANOUT, CLEAR COVER, NORMALLY OPEN DESIGN, INTEGRAL 2% SLOPE.
FLOOR DRAIN	4	Ø50 MM FLOOR DRAIN WITH ADJUSTABLE STRAINER HEAD, CAST IRON BODY, ROUND AND VANDAL PROOF SCREWS.
EXTERIOR FLOOR DRAIN	1	Ø100 MM DUCO CAST IRON BODY AND FLASHING COLLAR WITH ADJUSTABLE TOP AND BAR GRATE & Ø200 MM STRAINER HEAD FLOOR DRAIN WITH SLOTTED CAST IRON SEDIMENT BUCKET, ROUND AND VANDAL PROOF SCREWS.
CLEAN OUT	1	WALL CLEAN OUT, ROUND, NICKEL BRONZE ACCESS COVER, PVC BODY

SANITARY SEWER - FIXTURE UNIT LOAD

ITEM #	SIZE	QTY.	FIX UNIT (FU)	TOTAL FIX UNIT (FU)
STAINLESS STEEL SINK	Ø38 MM	1	1.5	1.5
LAVATORY	Ø38 MM	1	1.5	1.5
WATER CLOSET	Ø75 MM	1	4	4
UTILITY SINK	Ø38 MM	1	1.5	1.5
FLOOR DRAIN	Ø50 MM	1	2	2
TOTAL			10.5	10.5

PLUMBING LEGEND

ITEM	DESCRIPTION
—	SANITARY SEWER
---	WEEPING TILE
●	FLOOR DRAIN
↗	CLEAN OUT

LINE LEGEND

SYMBOL	DESCRIPTION
—	NEW PLUMBING CONSTRUCTION
---	EXISTING PLUMBING TO REMAIN

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Certificate of Authorization
Samson Engineering Inc.
No. 3050 Expiry: April 30, 2018



5		
4		
3		
2		2018/04/10
1	ISSUED FOR CONSTRUCTION	
0	ISSUED FOR REVIEW	2018/01/31
Revision	Description	Date
Client		client

PARKS CANADA AGENCY
135 WASAGAMING DR.

Project title
WASAGAMING, MB
154 COLUMBINE ST.

FOUNDATION REPLACEMENT

Designed by DH	Conçu par
Drawn by DH	Dessiné par
Approved by SJ	Approuvé par
PWGSC Project Manager	Administrateur de Projets TPSGC
Drawing title	Titre du dessin

SANITARY SEWER
BASEMENT
FLOOR PLAN

Project no./No. du projet PRO1272	Drawing no./No. du dessin M3	Revision no. 0
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