



1 SANITARY SEWER & PROPANE PLAN
SCALE 1:30 (METRIC)

- MECHANICAL CONSULTANT:**
McGINN ENGINEERING LIMITED
1457 ALBERT STREET, REGINA, SASKATCHEWAN S4R 2R8
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- ASSOCIATION OF PROFESSIONAL ENGINEERS OF SASKATCHEWAN
CERTIFICATE OF AUTHORIZATION
McGINN ENGINEERING LTD.
NUMBER 124
PERMISSION TO CONSULT HELD BY:
DISCIPLINE: MECH. REG. NO. SIGNATURE: [Signature]
- PROFESSIONAL SEALS:
[Professional Engineer Seal]
ISSUED FOR TENDER 17-04-11
ISSUED FOR OWNER REVIEW 17-04-11
- ALL PLUMBING LINES SHOWN SCHEMATICALLY.
 - ALL WATER PIPING TO RUN CONCEALED IN FINISHED AREAS WITHIN CEILING SPACE. PAINT ALL EXPOSED PIPING AS PER ARCHITECTURAL. ALL SANITARY SEWER LINES TO RUN CONCEALED BELOW SLAB.
 - ALL WATER LINES TO BE COVERED WITH 13mm (1/2") INSULATION WITH INTEGRAL CANVAS COVER. ALL EXPOSED PIPE INSULATION IN MECHANICAL ROOM AND PUBLIC AREAS TO COVERED WITH PVC JACKET.
 - ALL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
 - ALL PIPING TO FIXTURES AND EQUIPMENT TO RUN CONCEALED WHERE POSSIBLE.
 - MECHANICAL CONTRACTOR TO RUN A BEAD OF SILICONE AROUND THE BASE OF ALL NEW WATER CLOSETS AND SHOWERS.
 - ALL WATER CONNECTIONS TO FIXTURES TO BE 13mm (1/2") UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR TO SUPPLY AND INSTALL PLUMBING VENTS, TRAP SEAL PRIMERS, CLEANOUTS, AND ISOLATION VALVES AS PER CODE.
 - INSTALL ALL PROPANE FIRED EQUIPMENT AND PIPING IN ACCORDANCE WITH THE CANADIAN NATURAL GAS & PROPANE INSTALLATION CODE.
 - ALL EXPOSED WATER SUPPLY PIPING AT WATER CLOSETS TO BE CHROME.
 - SOLDERS AND FLUXES HAVING A LEAD CONTENT IN EXCESS OF 0.2% SHALL NOT BE USED.
 - ALL WATER SUPPLY PIPING ABOVE GRADE TO BE COPPER IN MECHANICAL ROOM AND NOT CONCEALED IN BLOCK WALLS. AQUAPEX IS ALLOWED IN CONCEALED ATTIC SPACE ONLY AND IF CONTINUOUSLY SUPPORTED VIA METAL CHANNELS OR PVC CONDUIT WITH NO PIPE JOINTS IN CONCEALED SPACE.
 - ALL PLUMBING TO BE INSTALLED IN ACCORDANCE WITH THE CANADIAN PLUMBING CODE, PROVINCIAL PLUMBING CODES, AND MUNICIPALITY BYLAWS.
 - PROVIDE FIRESTOPS AT ALL PIPING THAT PASSES THROUGH FIRE SEPARATIONS.
 - PROVIDE TRUEBRO PRE-FABRICATED INSULATION PACKAGE OVER ALL EXPOSED WATER SUPPLIES AND WASTES AT BARRIER FREE SINKS DESIGNATED AS "HY".
 - CO-ORDINATE LOCATION OF ALL EQUIPMENT WITH ELECTRICAL TO MAINTAIN 1 METER CLEARANCE IN FRONT OF ALL PANELS.
 - ALL WATER SUPPLY LINES TO BE INSTALLED SUCH THAT ENTIRE SYSTEM CAN BE COMPLETELY DRAINED FROM THE MINIMUM AMOUNT OF DRAIN POINTS FOR WINTERIZATION. PROVIDE LOW POINT DRAINS TO FACILITATE WINTERIZATION. MECHANICAL CONTRACTOR TO COORDINATE REQUIRED VALVED LOW POINT DRAINS AND/OR BLOWOUT POINTS WITH PARKS MAINTENANCE STAFF DURING CONSTRUCTION.
 - ENSURE NO WATER LINE CONNECTIONS IN CONCEALED SPACES.
 - DRAIN LINE CLEANOUT LOCATIONS TO BE CONFIRMED ON SITE WITH PARKS STAFF.
 - SEE DRAWING M.2A FOR PLUMBING EQUIPMENT SCHEDULE.

- PLUMBING KEYNOTES** (XX) DENOTES KEYNOTE ON DRAWING
- 100mm (4") PLUMBING VENT UP THRU ROOF. SUPPLY AND INSTALL AS PER PLUMBING CODE.
 - NEW 100mm (4") SANITARY SERVICE TO CONNECT TO EXISTING SANITARY SEWER SERVICE. SEE MECHANICAL SITE SERVICING PLAN 1/M.1 FOR CONTINUATION.
 - RUN NEW 1/2" PROPANE LINE UP ALONG EXTERIOR WALL.
 - NEW 1/2" PROPANE LINE THRU EXTERIOR WALL HIGH INTO CEILING SPACE. SEAL AT PIPE PENETRATION THRU EXTERIOR WALL WEATHER TIGHT COMPLETE WITH PIPE SLEEVE, CAULKING, AND ESCUTCHEON.
 - NEW BUILDING PROPANE SERVICE CONTINUES TO PROPANE SUPPLY TANK. SEE MECHANICAL SITE SERVICING PLAN 1/M.1 FOR CONTINUATION.
 - 38mm (1 1/2") PLUMBING VENT UP CONCEALED WITHIN PIPE SHAFT AND UP THRU ROOF. FLASH AND SEAL AT PIPE PENETRATION THRU ROOF WEATHER TIGHT. ALSO REFER TO ARCHITECTURAL.
 - NEW PROPANE REGULATOR SIZED FOR A TOTAL LOAD OF 17.00m³/hr (600ft³/hr) @ 11" W.C. PRESSURE.
 - SANITARY SEWER LINE TO RISE UP FROM BELOW SLAB WITHIN EXTERIOR BLOCK WALL IN ONE LOCATION. RUN SEPARATE DRAIN LINES TO LAVATORY SINKS FROM SINGLE DRAIN LINE WITHIN BLOCK WALL. PROVIDE CLEANOUT IN FLOOR NOT IN WALL.

PLUMBING LEGEND

PROPOSED	
---	COLD WATER
- - -	HOT WATER
---	SANITARY SEWER
---	PROPANE LINE
.....	VENT LINE
---	HOT WATER RECIRC
↓	HOSE BIBB
⊕	CLEANOUT
⊙	WATER METER
⊙	FLOOR DRAIN
⊙	PIPE DOWN
⊙	PIPE UP
⊙	PROPANE REGULATOR
⊙	ISOLATION VALVE
⊙	PROPANE ISOLATION VALVE
⊙	PLUMBING VENT
⊙	BACKFLOW PREVENTOR

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NOTES:

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- THE LOCATION OF THE UNDERGROUND SERVICES AS SHOWN IS APPROXIMATE ONLY. OTHER UNKNOWN SERVICES MAY EXIST IN THE VICINITY. PLEASE CHECK WITH THE APPROPRIATE UTILITY COMPANY AND THE PARK/SITE MAINTENANCE SUPERVISOR OR REPRESENTATIVE.
- IT IS THE RESPONSIBILITY OF ANYONE USING THIS PLAN FOR DESIGN PURPOSES TO VERIFY ALL INFORMATION SHOWN ON THIS PLAN. IT IS THE USER'S RESPONSIBILITY TO IDENTIFY ANY UTILITY INFRASTRUCTURE.

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DRAWING
SEWER AND GAS PLAN

SCALE: AS NOTED A1 SHEET
PLOTTED: 20-04-17
FILE: 3556C
DATE: APRIL 2017
DESIGN: GAS
DRAWN: CGW

PROJECT #: 4886
DRAWING NO. **M.2B**

By: Allan Webb of RNF Ventures Ltd. Date: May, 03/2017 Source: canetisk