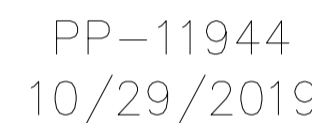


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|                                   |         |
|-----------------------------------|---------|
| Project title                     | Project |
| JASPER STAFF HOUSING CONSTRUCTION |         |

5 PLEX

902 PATRICIA STREET  
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|             |       |
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| Designed by | Conqu |
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| Drawing Title | Titre du dessin |
|---------------|-----------------|
|---------------|-----------------|

## FOUNDATION PLAN AND LOWER LEVEL PLUMBING PLAN

|                           |                           |              |
|---------------------------|---------------------------|--------------|
| Project no./No. du projet | Drawing no./No. du dessin | Revision no. |
| R.100429.001              | M2.1                      | 4            |



1. WEEPING TILE LAYOUT IS FOR REFERENCE ONLY. WEEPING TILE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. WEEPING TILE FINAL DESIGN, LAYOUT, SIZING, AND FLOW RATE MUST BE CONFIRMED BY GEOTECH. ENGINEER AND WILL HAVE TO BE COORDINATED AT THAT TIME.

MECHANICAL FOUNDATION PLAN  
SCALE: 1 : 50

- KEYNOTES:

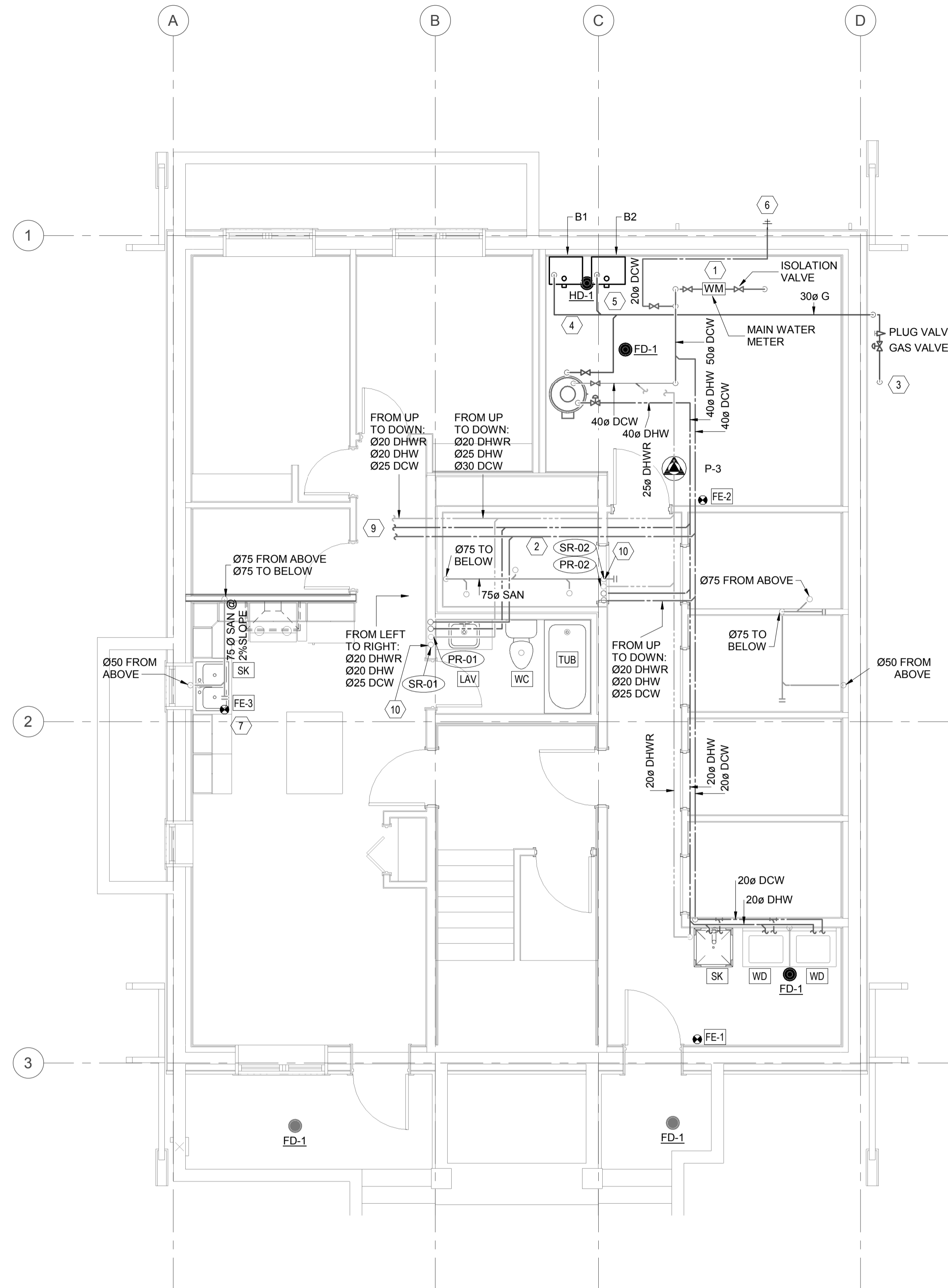
1. BACK WATER VALVE C/W ACCESS LID REFER TO M1.2 DETAIL 13.
2. PROVIDE 100mm PVC VENT PIPE FOR RADON EXTRACTION SYSTEM.  
REFER TO DETAIL DRAWING M1.2. CONTRACTOR TO ALLOW FOR RADON VENT PIPE TO DISCHARGE THROUGH EXTERIOR WALL, INCLUDING ROUGH-IN PIPING FOR RADON EXHAUST FAN TO BE INSTALLED IN NEUTRAL ROOM, INCLUDING ALLOWANCE FOR PIPING INSULATION TO PREVENT FREEZING.
3. (600X600)X2000 DEEP RESIDENTIAL PLASTIC STORM SUMP WITH REMOVABLE COVER WITH GASKET C/W SUMP PUMP 4.
4. PROVIDE P-TRAP
5. 500G PEPPING WEEPING TILE UP AND DISCHARGE TO LANDSCAPE.

PLUMBING GENERAL NOTES:

- A. SUPPLY AND INSTALL ALL FIRE STOPPING MATERIAL AND ENSURE THAT ALL FIRE PENETRATIONS ARE PROTECTED AS REQUIRED BY THE NATIONAL BUILDING CODE AND THE LOCAL AUTHORITIES.
- B. PROVIDE PLUMBING VENTING AS REQUIRED AND AS PER CODE.
- C. PROVIDE P-TRAP C/W TRAP PRIMER FOR ALL FLOOR DRAINS AS REQUIRED AND AS PER CODE.
- D. COORDINATE SANITARY RISERS AND VENT LINES WITH STRUCTURAL DRAWINGS AND MORE INSTALLED.
- E. PROVIDE SLEEVES AS REQUIRED THRU FOOTINGS, PADS AND STRUCTURAL SLABS FOR MECHANICAL.
- F. COORDINATE AND SLEEVE FOR ALL PLUMBING FIXTURES.
- G. PROVIDE SHUT-OFF VALVES C/W ACCESS PANELS IN ALL SUITES FOR COLD WATER, HOT WATER LINES.
- H. PROVIDE CLEANOUTS ON EVERY LEADER, SOIL OR WASTE STACK AS REQUIRED AND AS PER CODE.
- I. SLOPE ALL 100g SANITARY PIPING @ 1% AND SLOPE ALL SANITARY PIPING LESS THAN 100g @ 2%.
- J. ENSURE ALL MECHANICAL EQUIPMENT ARE INSTALLED AT A MINIMUM HEAD HEIGHT OF 2.1M.
- K. OFFSET SOIL OR WASTE RISERS FROM EACH OTHER AS REQUIRED AND AS PER THE PLUMBING CODE.
- L. ALL PIPING TO BE IN BULKHEAD OR PENETRATING ACROSS THE BEAM, COORDINATE ACCESS LOCATION WITH STRUCTURAL PRIOR TO DRILLING.
- M. PROVIDE LOCAL ISOLATION VALVES AT EACH FIXTURE FOR DCW AND DHW.

KEYNOTES:

1. 100Ø PVC UP THROUGH GROUND TO MECHANICAL ROOM. INSTALL BACKFLOW PREVENTER AT 50Ø DCW IN WATER METER ROOM TO SUPPLY TO THE SUITES.
2. RUN DCW DHW SAN PIPING IN JOIST SPACE TO/FROM PLUMBING FIXTURE.
3. GAS METERS WITH PRESSURE REDUCING VALVE TO REDUCE GAS PRESSURE TO 3.5 KPA. INSTALL 30Ø GAS LINE UP AND INTO BASEMENT FLOOR CEILING SPACE. CLEAR, UNOBSTRUCTED AREA NEAR GAS METERS REQUIRE 2.2M X0.9M CLEARANCE. GAS PIPING INSTALLED SHALL BE STEEL, SCHEDULE 40-ASTM A53/A53M, GRADE B. INSTALLATIONS SHALL COMPLY WITH CSA 149.1.
4. 15Ø GAS LINE @ 3.5KPA TO CONNECT TO BOILER IN MECHANICAL ROOM AS PER MANUFACTURER'S RECOMMENDATIONS.
5. 20Ø GAS LINE @ 3.5KPA TO CONNECT TO DOMESTIC WATER HEATER IN MECHANICAL ROOM AS PER MANUFACTURER'S RECOMMENDATIONS.
6. 20Ø DCW FROM MECHANICAL ROOM TO NON FREEZE HOSE BIBB.
7. DISHWASHER DRAIN LINE. CONNECTED TO THE CLOSED KITCHEN SINK DRAIN LINE. DISHWASHER DOMESTIC HOT WATER LINE CONNECTED TO THE CLOSED KITCHEN SINK DOMESTIC HOT WATER LINE. REFER TO M1.2 DETAIL 05.
8. 20Ø DCW FROM MECHANICAL ROOM TO NON FREEZE HOSE BIBB.
9. RUN DCW DHW DHWR PIPING IN JOIST SPACE TO/FROM SUITE TO PLUMBING FIXTURE.
10. 5Ø SANITARY PIPE FROM ABOVE



2  
M2.1

LOWER LEVEL PLUMBING PLAN  
SCALE: 1 : 50

