**CIBC5022 Site Preparation and Analysis** - **Levelling Activity Outside Bldg’ 183-1104 16th May 2022**

**Group Number …………………………………………………**

**Persons Name ……………………………………………………Persons ID Number …………………………………………..**

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**A Activity – Groups are composed of A Group (starting first), and B Group starting second.**

1. **Each group member carries out the following**
2. **Set up the tripod at S1 using the Building 183-1104 Forecourt (1 metre inside peg to class)**
3. **Do this by pushing in the first 2 left and right legs into ground and secure**
4. **Push the third leg, facing towards the class into the ground (always the upper slope leg)**
5. **Fit level over plate of the tripod and secure**
6. **Align bubble with ring centre line by rotating the back two levelling screws in opposite directions**
7. **Now centre the bubble vertically by rotating the third levelling screw to sit inside the ring**
8. **Rotate the level gently 180 degrees and check that bubble is still in the middle of the ring**
9. **Collapse and take back for next member.**

**B Activity – All members of the group contribute. Each member of the group carries out the following;**

1. **Set up Level as above. Then the back site is taken over your group peg (if inside the peg is horizonal on the floor and rest the staff on it and recorded only in the special class hand out issued today 9th May 2022. Write Legibly as it will be photographed as your group submission.**
2. **Foresight is taken to any one of the (if outside) stair treads adjacent 183-1104 and recorded. (Take the foresight to opposite side of the room 183-1104 if inside)**
3. **Keeping the staff over that 1 of 5 stair treads (each member chooses a different stair tread), or opposite side of room (or another part of the room), record the reading of the top stadia line; Then record the level of the bottom line and record both of these.**
4. **Each group member subtracts their upper stadia reading from their lower stadia reading and call the difference millimetres. Then multiply that difference by 100 and call the product Metres.**
5. **Write this as the members group’s distance to the stair tread of opposite room side.**
6. **Complete all the groups names, photograph it and hand it in to your my-portfolio Group file.**
7. **If you file is too big, email me in pdf format or tiff or giff. Do not send it in mac.**

**All group members must us the following booking sheets to record their readings.**

**Complete this chart with every reading occupying a new line on the chart – 16th May 2021**

**Group Number …………………………………………………**

**Persons Name ……………………………………………………Persons ID Number …………………………………………..**

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| Back Sight to Datum | Intermediate Sight NA | Foresight  | Reduced Level  | Stadia Readings | Distance | Remarks |
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| Back Sight  | Intermediate Sight | Foresight  | Reduced Level  | Stadia | Distance | Remarks |

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