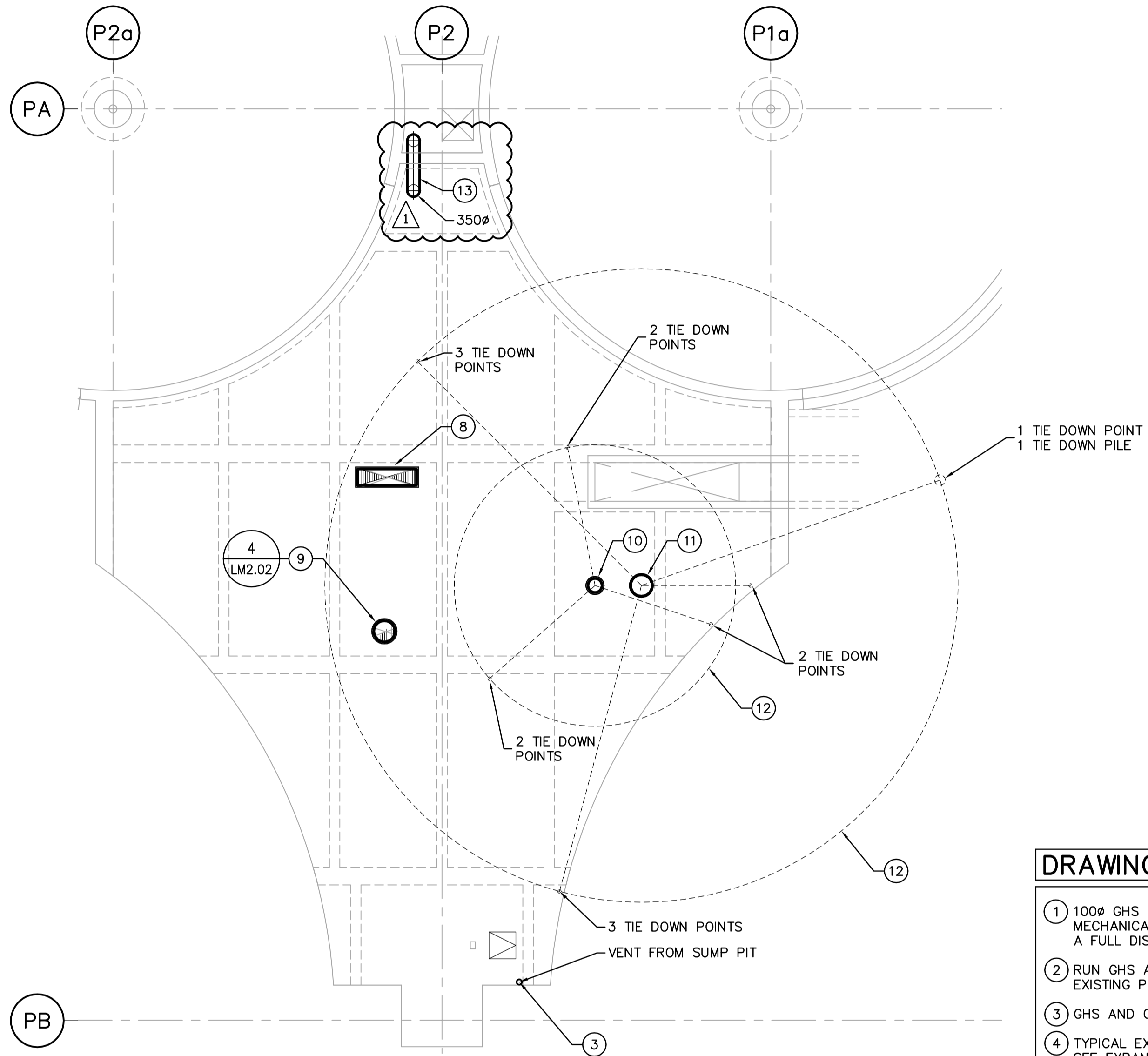


**LOWER LEVEL - HYDRONIC PART PLAN**  
SCALE: 1:100



**ROOF PLAN**  
SCALE: 1:100

**DRAWING NOTES**

- 1 100mm GHS AND GHR DOWN FROM BOILERS IN SECONDARY CLARIFIER 3 MECHANICAL ROOM. INSULATE PIPING BELOW MECHANICAL ROOM FLOOR FOR A FULL DISTANCE. CONTINUED FROM DRAWING PM3.01.
- 2 RUN GHS AND GHR PIPING AT HIGH LEVEL. COORDINATE ROUTING WITH EXISTING PIPING IN THIS AREA. MOUNT ON PIPE HANGERS.
- 3 GHS AND GHR PIPING DOWN TO HEATING COIL.
- 4 TYPICAL EXPANSION LOOP. WIDTH AND LENGTH SHOWN FOR SMALLEST LOOP. SEE EXPANSION COMPENSATION DETAIL.
- 5 TYPICAL ANCHOR. DISTANCE BETWEEN ANCHORS AS SHOWN.
- 6 TYPICAL PIPE GUIDE LOCATION. DISTANCE BETWEEN GUIDES AS SHOWN.
- 7 REFER TO SECTION ON DRAWING FM1.01 FOR EXACT PIPE PENETRATION LOCATION.
- 8 GREENHECK FABRA-HOOD, GRAVITY INTAKE. 450x1650 THROAT SIZE, c/w INSECT SCREEN AND 300mm HIGH ROOF CURB.
- 9 600mm EXHAUST STACK. SEE DETAIL ON LM3.02.
- 10 BY-PASS STACK FOR THERMAL OXIDIZER.
- 11 EXHAUST STACK FOR THERMAL OXIDIZER (c/w THERMAL OXIDIZER).
- 12 GUYWIRE ATTACHMENT PATTERN FOR THERMAL OXIDIZER STACK AND BYPASS STACK. SEE TIE POINT LOCATIONS ON PLAN.
- 13 WETWELL EXHAUST DUCT TO F650-EF.

**GENERAL NOTES**

1. COORDINATE WITH OTHER TRADES SO AS TO PREVENT CONFLICTS.



B.M. ELEV.				 A Tyco International Ltd. Company		ENGINEER'S SEAL	
						DESIGNED BY: AB	CHECKED BY: PVL
				DRAWN BY: DL	APPROVED BY: JEH	2006/04/26	
				HOR. SCALE: AS NOTED	RELEASED FOR CONSTRUCTION BY: J. VEILLEUX	CONSULTANT DRAWING NO. FM3.01	
				VERTICAL SCALE:			
				NO. REVISIONS	DATE	BY	DATE
					2006/03/13		2006/04/26

<b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT ENGINEERING DIVISION		CITY FILE NUMBER
<b>WEWPC</b> BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT 3		SHEET OF
MECHANICAL AREA F - PRIMARY SLUDGE FERMENTERS LOWER LEVEL HYDRONIC PART PLAN		CITY DRAWING NUMBER