



**LOWER LEVEL - VENTILATION PLAN**  
SCALE: 1:100

**DRAWING NOTES**

- ① EXHAUST AIR DUCT DOWN FROM MAKE-UP UNIT. DUCT SHALL BE EITHER STAINLESS STEEL OR FIBERGLASS CONSTRUCTION. SIZE AS SHOWN.
- ② TRANSITION TO 1900x600. DUCT SHALL BE EITHER STAINLESS STEEL OR FIBERGLASS CONSTRUCTION.
- ③ EXHAUST AIR DUCT RUNNING AT HIGH LEVEL ABOVE EXISTING PIPING AND CABLE TRAYS IN THIS AREA. DUCT SHALL BE STAINLESS STEEL BEYOND THIS POINT. SIZE AS SHOWN.
- ④ DUCTWORK TO HAVE A DUCT PRESSURE CLASS OF -1500Pa.
- ⑤ ROUTE DUCTWORK BENEATH EXISTING PIPE AND ELECTRICAL CONDUIT RACKING.
- ⑥ RUN DUCTWORK BETWEEN CONCRETE BEAMS AND EXISTING LIGHT FIXTURES. COORDINATE WITH DIV. 16 FOR REMOVAL AND REINSTALLING LIGHT FIXTURES AS REQUIRED.
- ⑦ CONNECT DUCTWORK INTO EXISTING ODOUR REMOVAL SYSTEM.
- ⑧ EXISTING ODOUR REMOVAL SYSTEM DUCTWORK.
- ⑨ CAP FOR FUTURE CONNECTION TO SECONDARY CLARIFIER 4 SYSTEM.
- ⑩ INSULATE DUCTWORK FOR A FULL DISTANCE IN LOWER AREA WITH 25mm EXTERNAL THERMAL INSULATION AND ALUMINUM JACKETING.

**GENERAL NOTES**

1. COORDINATE WITH OTHER TRADES SO AS TO PREVENT CONFLICTS.
2. ALL DUCTWORK SHALL BE SUPPORTED AND SUSPENDED AS PER SPECIFICATIONS AND LOCAL CODES. (SEE DETAILS)



B.M. ELEV.				ENGINEER'S SEAL
				ORIGINAL SIGNED BY A. BURACHYNSKY 2006/04/26
	DESIGNED BY AB	CHECKED BY PVL		CONSULTANT DRAWING NO. SM3.01
	DRAWN BY DL	APPROVED BY JEH		
	HOR. SCALE: AS NOTED		RELEASED FOR CONSTRUCTION BY: J. VEILLEUX	
	VERTICAL SCALE:			
00 ISSUED FOR TENDER	06/04/26	DC	DATE 2005/12/19	DATE 2006/04/26
NO. REVISIONS	DATE	BY	DATE	DATE

<b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT ENGINEERING DIVISION		CITY FILE NUMBER
<b>WEWPCC</b> BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT 3		SHEET OF
MECHANICAL AREA S - SECONDARY CLARIFIER 3 LOWER LEVEL VENTILATION PLAN		CITY DRAWING NUMBER