



DRAWING NOTES

- 1 EXHAUST AIR INTAKE RUNNING ALONG UNDERSIDE OF ROOF STRUCTURE. SIZE AS SHOWN.
- 2 ALL SUPPLY AIR GRILLES TO BE DIRECTED UPWARDS.
- 3 PROVIDE SUPPORT FOR DUCTWORK ON WALKWAY BRACES.
- 4 SERVICE CLEARANCE FOR BOILERS.
- 5 TRANSITION DUCTWORK FROM STAINLESS STEEL TO FIBERGLASS WHEN ENTERING CLARIFIER. TYPICAL FOR SUPPLY AND RETURN DUCTWORK.
- 6 200 ϕ FLUE UP ABOVE ROOF LEVEL AND TERMINATE WITH RAIN CAP AND METAL FLASHING. CONFIRM ON-SITE EXACT HEIGHT OF CHIMNEY. TYPICAL FOR EACH BOILER.
- 7 TRANSITION 1200x900 EXHAUST AIR DUCT TO 1600x700. RUN AT LOW LEVEL.
- 8 1200x900 SUPPLY AIR DUCT RUNNING BELOW EXHAUST AIR MAIN.
- 9 1200x900 EXHAUST AIR DUCT RUNNING AT HIGH LEVEL. BROKEN FOR CLARITY.
- 10 1200x900 OUTSIDE AIR INTAKE RUNNING BELOW EXHAUST AIR PLENUM.
- 11 200 ϕ COMBUSTION AIR INTAKE DOWN FROM ROOF LEVEL. TERMINATE WITH RAIN CAP AND METAL FLASHING. TYPICAL FOR EACH BOILER.
- 12 ALL DUCTWORK IN MECHANICAL ROOM TO BE 304L STAINLESS STEEL CONSTRUCTION.
- 13 ALL DUCTWORK IN THIS DIRECTION TO BE 304L STAINLESS STEEL CONSTRUCTION.
- 14 ALL DUCTWORK IN THIS DIRECTION TO BE FRP CONSTRUCTION.
- 15 ALL DUCTWORK INSIDE CLARIFIER TO BE FRP CONSTRUCTION.
- 16 1200x900 BYPASS DUCT c/w MOTORIZED DAMPER TO GOOSENECK. TERMINATE GOOSENECK DISCHARGE SO AS TO AVOID CONTACT WITH CLARIFIER DOME.
- 17 OPEN-ENDED EXHAUST DUCT AT TOP OF DOME.
- 18 300x300 INLET DUCT c/w WEATHER HOOD INTAKE COWL, MOTORIZED DAMPER, AIR FLOW PROVING SWITCH, FAN HOUSING AND GUARD. LOCATE UNIT AT HIGH LEVEL IN MECHANICAL ROOM.
- 19 300x300 RELIEF AIR DUCT c/w BACK DRAFT DAMPER, 75mm STAINLESS STEEL METAL MESH ON INTAKE, AND COWL WITH BIRD SCREEN. LOCATE UNIT AT HIGH LEVEL IN MECHANICAL ROOM.
- 20 EXTEND GAS PRV VENT UP THROUGH PITCH POCKET ON ROOF.

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)

SECONDARY CLARIFIER 3 – VENTILATION PLAN
SCALE: 1:100



B.M. ELEV.					
DESIGNED BY	AB	CHECKED BY	PVL		
DRAWN BY	DL	APPROVED BY	JEH		
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	J. VEILLEUX		
VERTICAL SCALE:		DATE	2005/12/19	DATE	2006/04/26
NO. REVISIONS		DATE		DATE	

ENGINEER'S SEAL
ORIGINAL SIGNED BY
A. BURACHYNSKY
2006/04/26
CONSULTANT DRAWING NO.
SM3.02

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WEWPC
BIOLOGICAL NUTRIENT REMOVAL UPGRADE
CONTRACT 3

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER

MECHANICAL
AREA S – SECONDARY CLARIFIER 3
VENTILATION PLAN