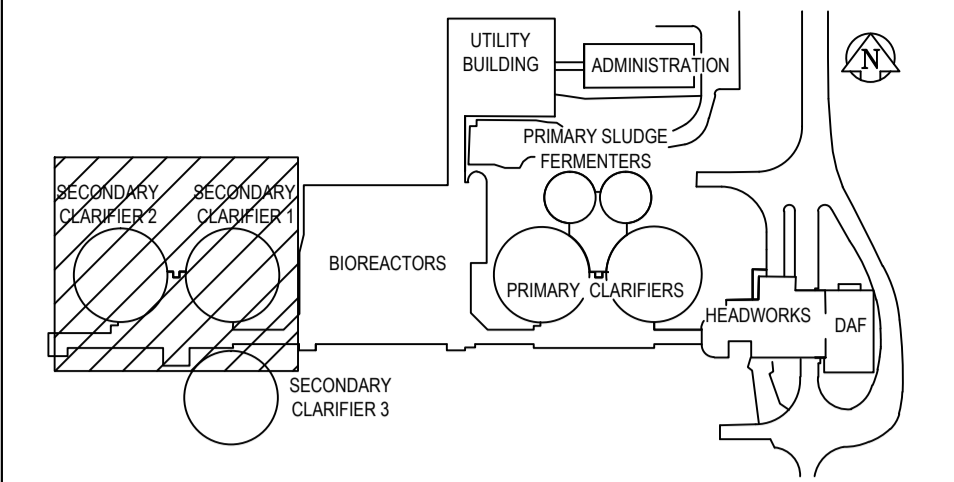


SECONDARY CLARIFIER NO. 2

SECONDARY CLARIFIER NO. 1

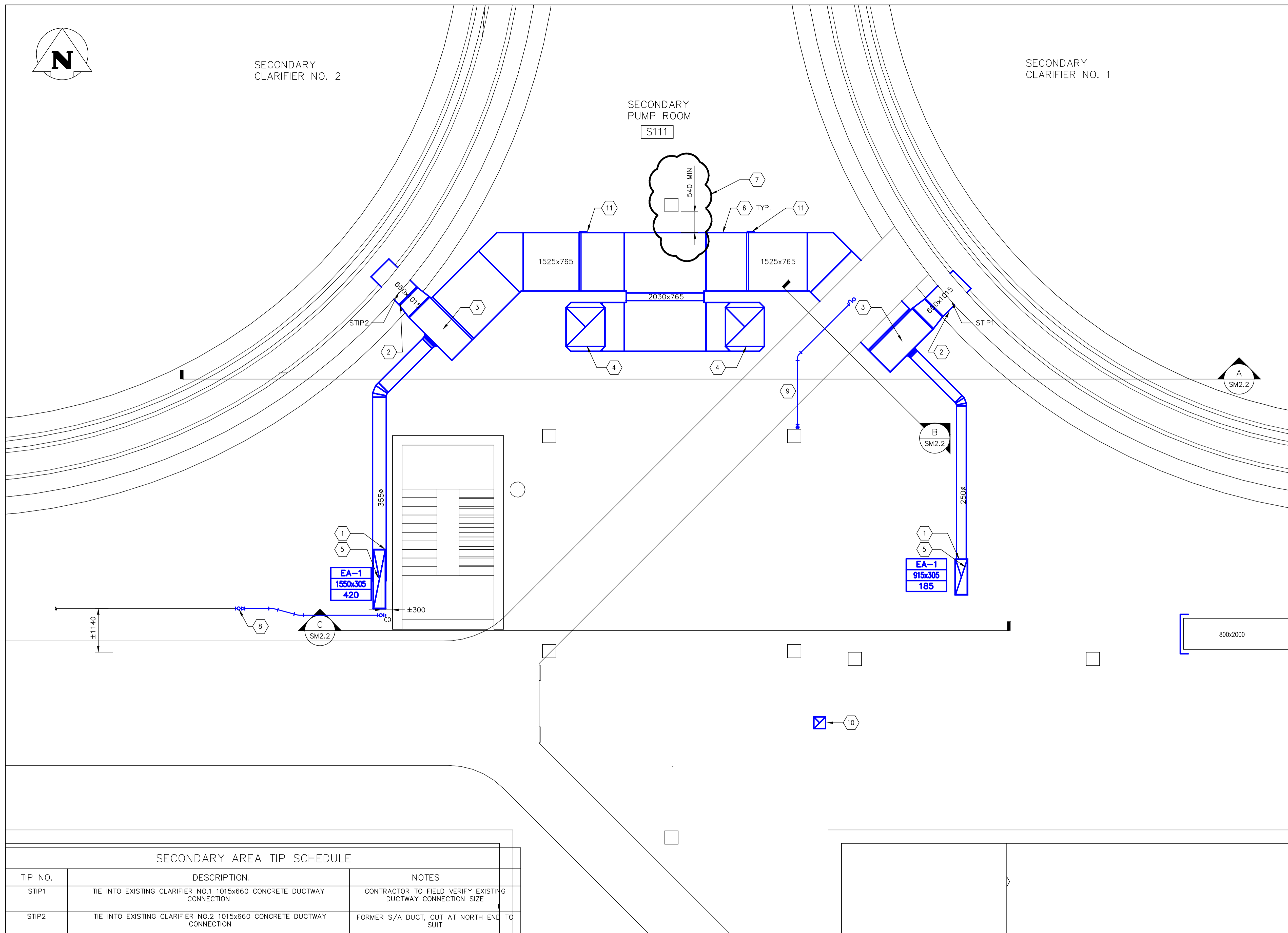
SECONDARY PUMP ROOM
S111



KEY PLAN

KEY NOTES

- 1 DISTRIBUTION ROOM EXHAUST DUCTWORK TO RUN WITHIN PUMP ROOM TO EXHAUST FLOOR GRILLE. PROVIDE FLOOR OPENING & TRANSITION TO SUIT NEW FLOOR GRILLE. SEE DETAIL 9020 ON DWG LM2.4 FOR CURBED FLOOR OPENING DETAIL. SUPPORT DUCTWORK AS SPECIFIED.
- 2 PROVIDE NEW EXHAUST DUCTWORK CONNECTION TO EXISTING SECONDARY CLARIFIER CONCRETE DUCTWAY, MATCH EXISTING CONNECTION DUCT SIZE, FIELD CONFIRM SIZE.
- 3 PROVIDE NEW EXHAUST DUCTWORK VERTICAL DROP TO ENSURE HORIZONTAL DUCT RUN DOES NOT INTERFERE WITH EXISTING EFFLUENT CHANNEL.
- 4 PROVIDE NEW ROOF PENETRATION TO ACCOMMODATE NEW 1015x1015 EXHAUST DUCT RUN THROUGH ROOF, PROVIDE FLASHING AND SEAL OPENING WATERTIGHT. SEE STR. DWG. LS2.2 DETAIL 4 FOR ROOF OPENING DETAILS.
- 5 PROVIDE NEW BALANCING DAMPER FOR EA-1. SEE SPECIFICATIONS FOR DETAILS.
- 6 NEW EXHAUST AIR DUCTWORK, SIZE AS SHOWN, SUPPORT DUCTWORK AS SPECIFIED, AVOID OR MOVE EXISTING PIPE HANGERS IN AREA TO ACCOMMODATE NEW DUCTWORK.
- 7 MINIMUM CLEARANCE FOR NEW DUCTWORK FROM COLUMN TO AVOID INTERFERENCE WITH EXISTING PIPING ADJACENT TO COLUMN.
- 8 NEW 75# SCH. 40 PVC SANITARY DRAIN PIPING FROM PENTHOUSE FLOOR DRAIN TO TIE-IN TO EXISTING 100# SANITARY DRAIN, SLOPE NEW PIPING TOWARD EXISTING DRAIN AT MINIMUM 1:50 SLOPE. REPLACE EXISTING ELBOW WITH A NEW SANITARY TEE TO ACCOMMODATE TIE-IN, PROVIDE TRANSITION AT TEE.
- 9 PROVIDE 20# SCH. 40 PVC DRAIN FROM LOW POINT IN DUCT UNDER CHANNEL, TRAP AND DRAIN NEAR COLUMN.
- 10 NEW 305x305 ELECTRICAL ROOM PRESSURIZATION FAN SUCTION DUCTWORK, PROVIDE 355x355 ROUGH OPENING THROUGH CONC. ROOF SLAB. SEE STR. DWG. LS2.2 DETAIL 4 FOR DETAILS.
- 11 PROVIDE BALANCING DAMPER ON EACH EXHAUST FAN INLET DUCTWORK AS SHOWN, SEE SPECIFICATIONS FOR DETAILS.



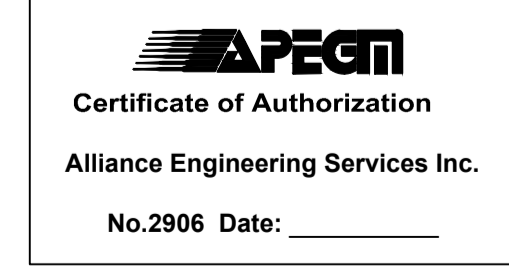
SECONDARY AREA TIP SCHEDULE

TIP NO.	DESCRIPTION.	NOTES
STIP1	TIE INTO EXISTING CLARIFIER NO.1 1015x660 CONCRETE DUCTWAY CONNECTION	CONTRACTOR TO FIELD VERIFY EXISTING DUCTWAY CONNECTION SIZE
STIP2	TIE INTO EXISTING CLARIFIER NO.2 1015x660 CONCRETE DUCTWAY CONNECTION	FORMER S/A DUCT, CUT AT NORTH END TO SUIT

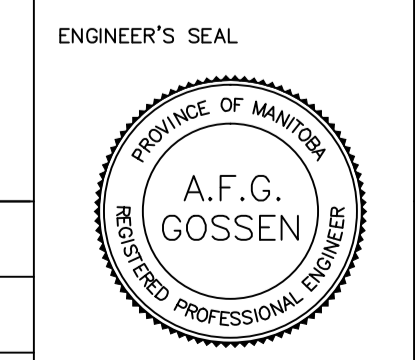
A AREA S - PUMP ROOM - PLAN
SCALE 1:50

GENERAL NOTES

- 1. PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND PROVINCIAL MECHANICAL ENGINEERING & INSPECTIONS BRANCH REQUIREMENTS.
- 2. COORDINATE WORKS WITH OTHER SUB-TRADES. REFER TO SPECIFIC DETAILS FOR CUTTING AND SEALING PENETRATIONS THROUGH OPENINGS & FIRE SEPARATIONS.
- 3. REFER TO TECHNICAL SPECIFICATIONS FOR EQUIPMENT AND MATERIAL SPECIFICATIONS AND INSTALLATION CONSTRUCTION AND PHASING REQUIREMENTS.
- 4. INSULATE DUCTWORK WHERE INDICATED AND SPECIFIED.
- 5. SUPPORT ALL DUCTWORK TO MEET CODE REQUIREMENTS & ESTABLISHED INDUSTRY TRADE PRACTICES, (SMACNA, ASHRAE).
- 6. INVESTIGATE SITE PRIOR TO CONSTRUCTION TO CONFIRM ALL DIMENSIONS AND INSTALLATION REQ'S.
- 7. PERFORM ALL CUTTING & PATCHING NECESSARY FOR ANY REQUIRED OPENINGS.
- 8. PROVIDE TAB TO ENSURE AIR DISTRIBUTION TO VOLUMES INDICATED.
- 9. NOT ALL EQUIPMENT/PIPING, ETC. IS SHOWN.



B.M. ELEV.	FIELD BOOK #:
POSTED TO LBIS	
DESIGNED BY IU	CHECKED BY AG
DRAWN BY IU	APPROVED BY
HOR. SCALE 1:50	RELEASED FOR CONSTRUCTION
VERTICAL 1:50	
00 ISSUED FOR TENDER 2010-12-21 AFG	
NO. REVISIONS	DATE BY
	DATE 2010-02-23



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2010 HVAC REPLACEMENT AND ASSOCIATED WORKS
WEWPCC

AREA S - SECONDARY CLARIFIERS 1 & 2
PUMP ROOM - NEW PLAN

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0103S-M0014-001

CONSULTANT DRAWING NO. SM2.1