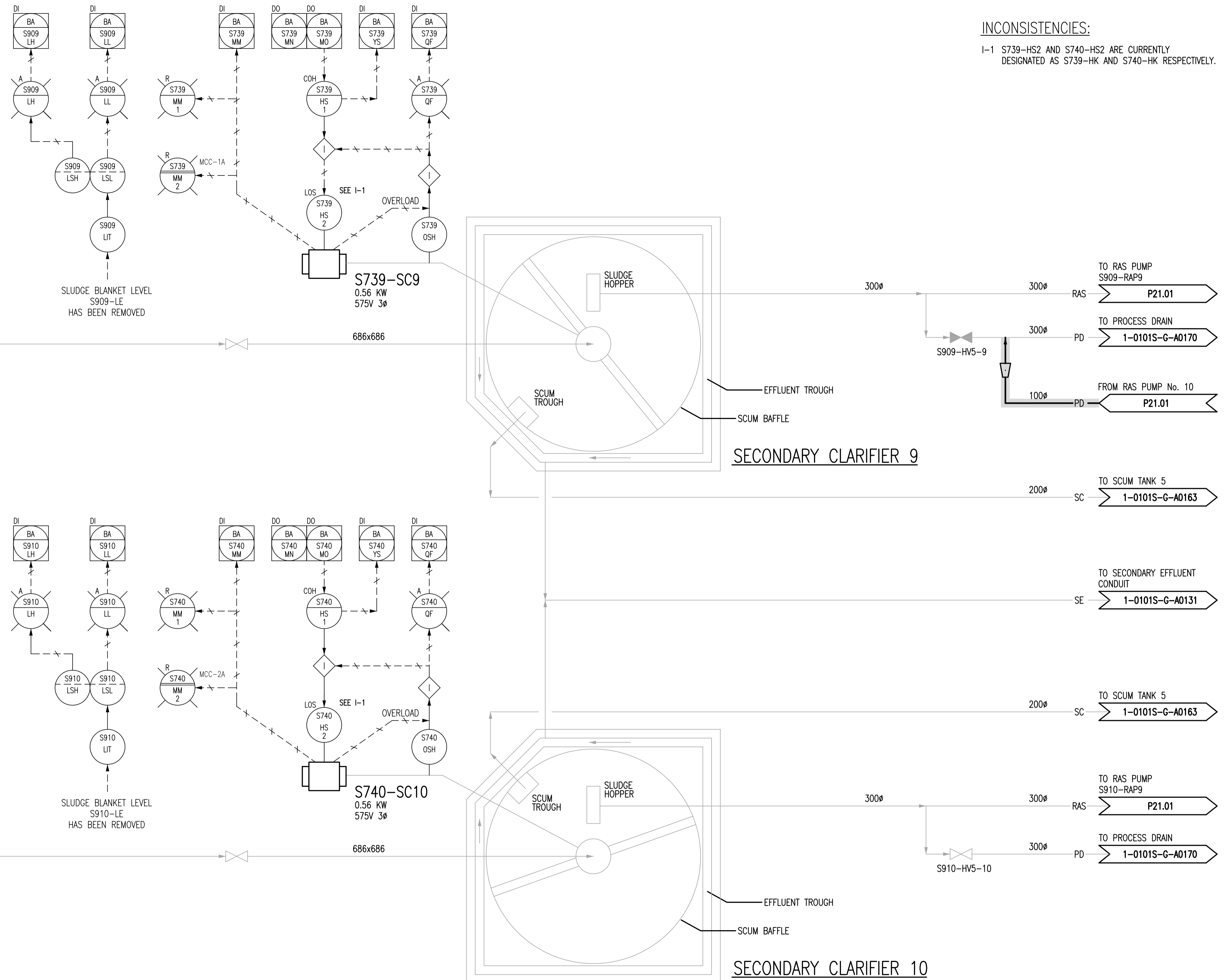


DESIGN DATA				
OXYGEN REACTOR FLOW SPLIT	EQUALLY		PROPORTION TO SECONDARY CLARIFIER AREA	
	AVG.	PEAK	AVG.	PEAK
CLARIFIERS 9 & 10, EACH	22,000	39,600	24,000	43,200
OVERFLOW RATE (L/m ² /d)	4.0	2.2	3.7	2.1
RETENTION TIME (h)	68,500	123,300	76,000	136,800
WEIR RATE (L/d/m)	148	249	160	269
SOLIDS LOADING (kg/d/m ²)	18.5	36.6	20	39.5
MIXED LIQUOR FLOW (ML/d)	67%	83%	67%	83%

INCONSISTENCIES:
 I-1 S739-HS2 AND S740-HS2 ARE CURRENTLY DESIGNATED AS S739-HK AND S740-HK RESPECTIVELY.



FROM MIXED LIQUOR CONDUIT
 1-0101S-G-A0121 ML

SLUDGE BLANKET LEVEL
 S909-LE
 HAS BEEN REMOVED

SLUDGE BLANKET LEVEL
 S910-LE
 HAS BEEN REMOVED

THIS DRAWING IS BASED ON CITY OF WINNIPEG DRAWING NUMBER 1-0101S-G-A0126-001-02D

■ = DENOTES NEW EQUIPMENT TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.

 Certificate of Authorization Earth Tech Canada Inc. No. 730 Expiry: April 30, 2007	B.M. ELEV.	 A Tyco International Ltd. Company	ENGINEER'S SEAL	 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION		
			DESIGNED BY: LW		CHECKED BY: SB	ORIGINAL SIGNED BY: J.E. HUTCHISON
			DRAWN BY: GLG		APPROVED BY: JEH	2006/05/15
			SCALE: NONE		RELEASED FOR CONSTRUCTION BY: K. MARTENS	CONSULTANT DRAWING NO. P23.01
	00 ISSUED FOR TENDER 06/05/15 GLG			NEWPCC CENTRATE NUTRIENT TREATMENT NITROGEN REMOVAL FACILITY		
	NO. REVISIONS	DATE BY	DATE	2006/03/08 DATE 2006/05/15		
				PROCESS CLARIFIERS (CLARIFIERS 9 AND 10) PROCESS & INSTRUMENTATION DIAGRAM		