

NOTE:  
ALTERNATE CONSTRUCTION JOINT LAYOUTS AIMED AT MINIMIZING RISK OF EARLY AGE SHRINKAGE CRACKING MAY BE ACCEPTABLE. CONTRACTOR SHALL SUBMIT PROPOSED ALTERNATE CONSTRUCTION JOINT LAYOUTS TO ENGINEER FOR REVIEW. DO NOT LOCATE WALL CONSTRUCTION JOINTS AT WALKWAY OUTRIGGER LOCATIONS (SEE SS8.04).

**FOUNDATION FRAMING PLAN**  
SCALE : 1:100

**DESIGN LOADS**  
DL = STRUCTURE SELF WEIGHT  
LL = LIQUID IN TANK @ ELEV. 240.320

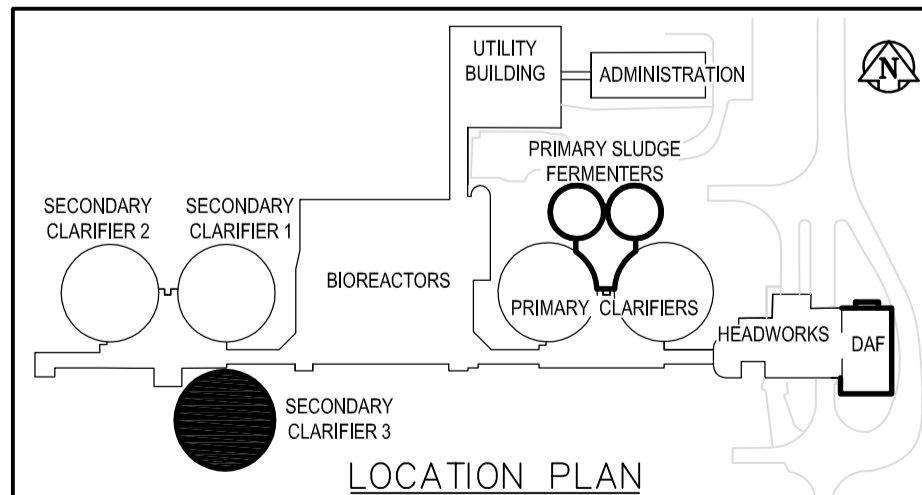
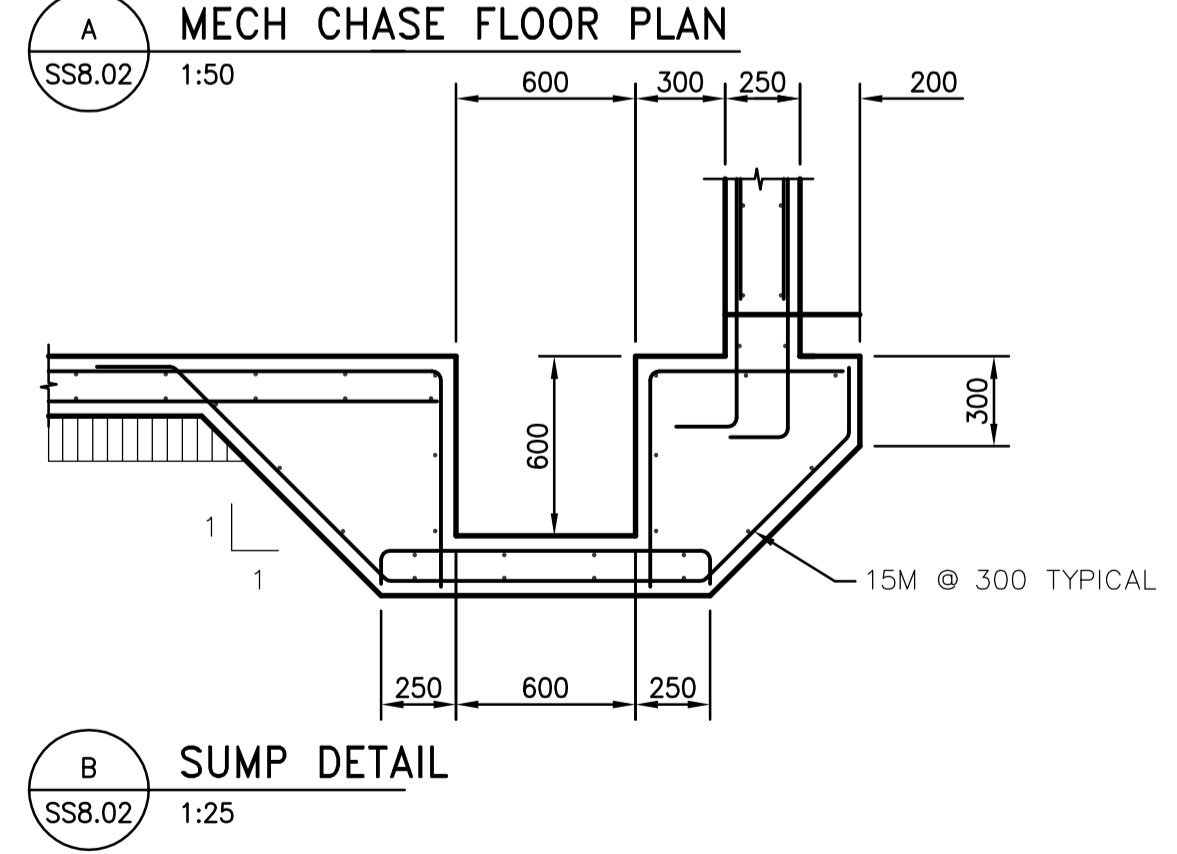
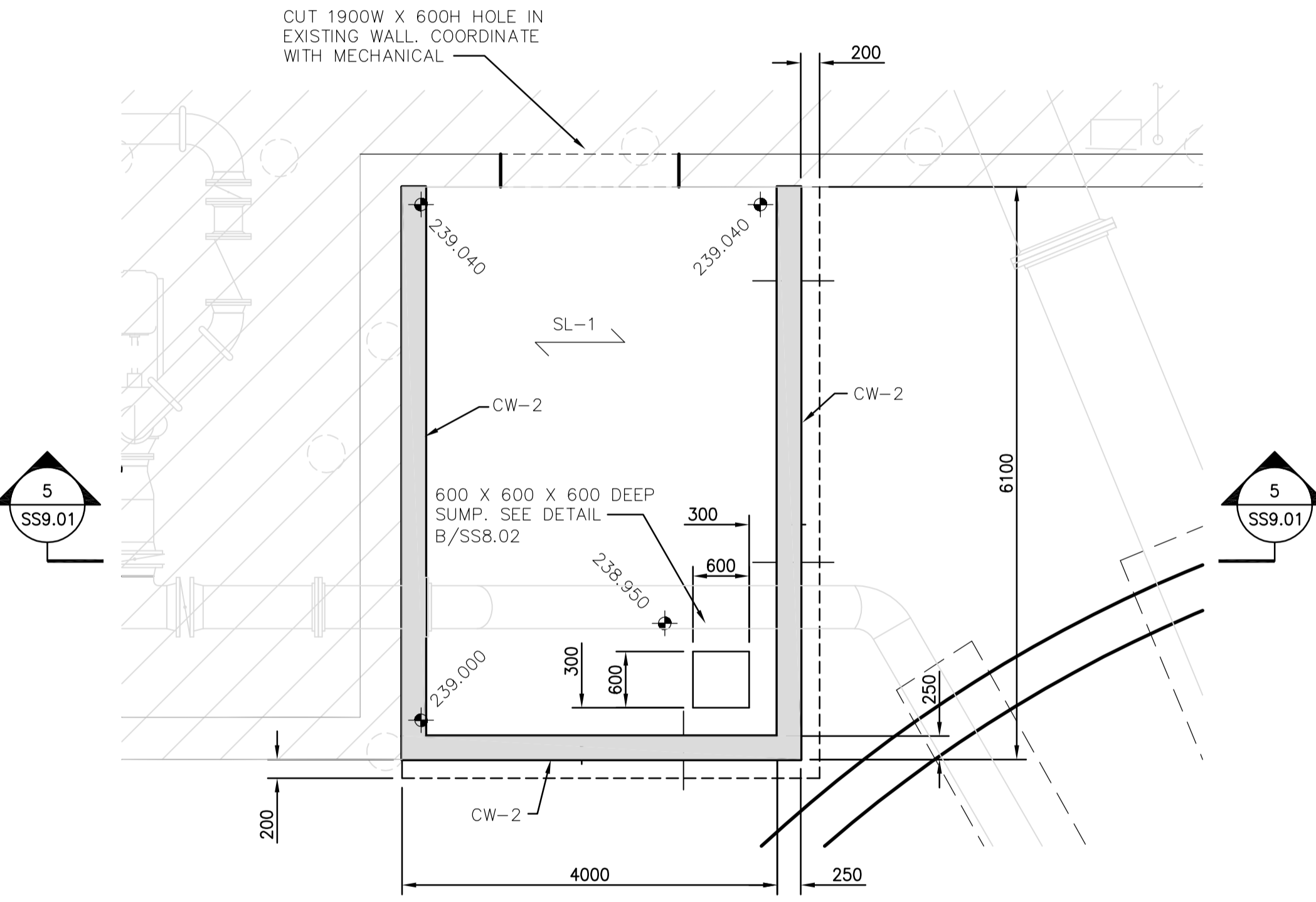
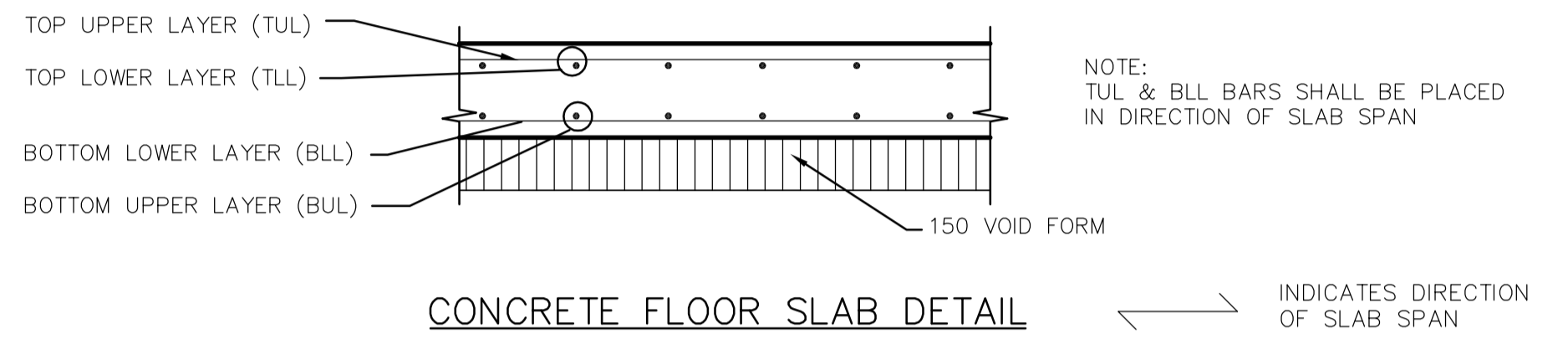
**SOIL DESIGN PARAMETERS**  
SOIL UNIT WEIGHT = 21.0 kN/m<sup>3</sup>  
EARTH PRESSURE COEFFICIENT = 0.5  
EXTERIOR GRADE @ 241.400

CLARIFIER TANK WALLS DESIGNED FOR UNDRAINED SOIL CONDITION AT ULTIMATE & SERVICEABILITY LIMIT STATES



WALL SCHEDULE - SECONDARY CLARIFIER 3				
MARK	WIDTH	REINFORCING		REMARKS
		VERTICAL	HORIZONTAL	
CW-1	450	15M @ 150 I.F. 20M @ 300 O.F.	15M @ 150 I.F. 15M @ 150 O.F.	I.F. IS EXPOSED TO WATER O.F. IS EXPOSED TO SOIL PROVIDE 60mm COVER ON I.F. SEE SECTION FOR DOWELS AT BASE
CW-2	250	15M @ 300 E.F.	15M @ 300 E.F.	

CONCRETE SLAB SCHEDULE - SECONDARY CLARIFIER 3					
MARK	DEPTH	REINFORCING			REMARKS
		TOP	BOTTOM	ADDITIONAL	
SL-1	200	15M @ 300 O.C. E.W.	15M @ 300 O.C. E.W.		SLAB ON 150 VOID FORM



B.M. ELEV.					
<b>EarthTech</b> A Tyco International Ltd. Company					
DESIGNED BY	CJG	CHECKED BY	CJG	ENGINEER'S SEAL	
DRAWN BY	NV	APPROVED BY	JEH	ORIGINAL SIGNATURE BY C.J. GENTILE 2006/04/25	
HOR. SCALE: AS NOTED			RELEASED FOR CONSTRUCTION BY: J. VEILLEUX		
VERTICAL SCALE:			DATE: 2006/03/10		
NO. REVISIONS	DATE	BY	DATE	2006/04/26	CONSULTANT DRAWING NO. SS8.02

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

**WEWPCC**  
BIOLOGICAL NUTRIENT REMOVAL UPGRADE  
CONTRACT No. 3

STRUCTURAL  
AREA S - SECONDARY CLARIFIER 3  
FOUNDATION FRAMING PLAN

CITY FILE NUMBER  
SHEET OF  
CITY DRAWING NUMBER