

FOUNDATION FRAMING PLAN
SCALE : 1:100

GALLERY FLOOR DESIGN LOADS

DL = STRUCTURE SELF WEIGHT
LL = 12.0 kPa

FERMENTER TANK BASE SLAB DESIGN LOADS

DL = STRUCTURE SELF WEIGHT
LL = LIQUID IN TANK @ ELEV 243.500

SOIL DESIGN PARAMETERS

SOIL UNIT WEIGHT = 21.0 kN/m³
EARTH PRESSURE COEFFICIENT = 0.5
EXTERIOR GRADE @ ELEV 242.600

FERMENTER TANK & GALLERY WALLS DESIGNED FOR UNDRAINED SOIL CONDITION AT ULTIMATE AND SERVICEABILITY LIMIT STATES

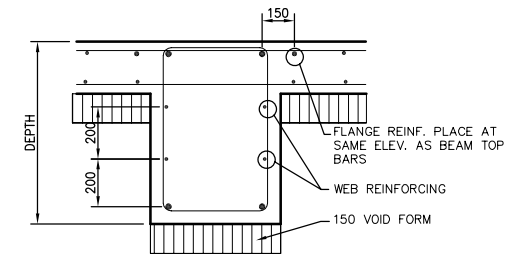
KEYNOTES:

- ① 1025 X 762 X 2500 DEEP SUMP. SEE STANDARD DETAILS.
- ② 762 X 762 HATCH. SEE STANDARD DETAILS.
- ③ DAVIT - SEE STANDARD DETAILS. PROVIDE 300 SLAB THICKENING 200mm ALL AROUND DAVIT EMBED.



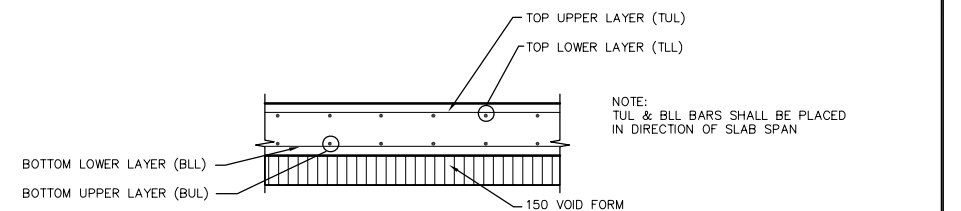
NOTE:
SEE DRAWING FS2.03 FOR WALL SCHEDULE

CONCRETE GRADE BEAM SCHEDULE - FERMENTERS								
MARK	WIDTH	DEPTH	REINFORCING			STIRRUPS	REMARKS	
			TOP	FLANGE	WEB			
GB-101	300	700	2-25M	1-20M E.S.	2-15M E.F.	2-25M	10M @ 300 o/c	EXTEND TOP BARS 1200 INTO SLAB @ NORTH END OF BEAM
GB-102	300	700	3-25M	1-20M E.S.	2-15M E.F.	3-25M	10M @ 300 o/c	
GB-103	500	700	3-25M	1-20M	2-15M E.F.	3-25M	10M @ 300 o/c	
GB-104	500	700	4-25M	1-20M E.S.	2-15M E.F.	4-25M	10M @ 300 o/c	
GB-105	500	700	3-25M	1-20M	2-15M E.F.	3-25M	10M @ 300 o/c	SEE B/FS5.01 FOR INCREASED TOP COVER
GB-106	700	700	5-25M	1-20M	2-15M E.F.	5-25M	10M @ 300 o/c	



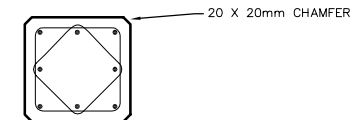
CONCRETE GRADE BEAM REINFORCING DETAIL

CONCRETE SLAB SCHEDULE - FERMENTERS					
MARK	DEPTH	REINFORCING		ADDITIONAL	REMARKS
		TOP	BOTTOM		
SL-101	200	15M @ 300 O.C. E.W.	15M @ 300 O.C. E.W.	SEE PLAN	
SL-102	450	20M @ 200 O.C. E.W.	20M @ 200 O.C. E.W.		

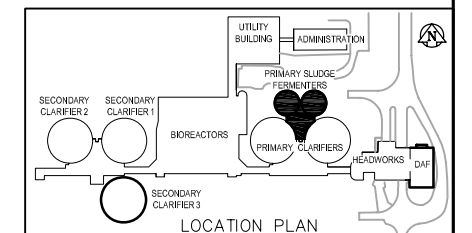


CONCRETE FLOOR SLAB DETAIL

CONCRETE COLUMN SCHEDULE - FERMENTERS				
MARK	SIZE	REINFORCING		REMARKS
		VERT	TIES	
CC-1	400 X 400	8-20M	10M @ 200 O.C.	8-20M HOOKED DOWELS TO GRADE BEAM. PROJECT 1000 INTO COLUMN



CONCRETE COLUMN DETAIL



LOCATION PLAN

B.M. ELEV.	<p>EarthTech A Tyco International Ltd. Company</p>	ENGINEER'S SEAL	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p>
		ORIGINAL SIGNED BY C.J. GENTILE	
DESIGNED BY CJG	CHECKED BY CJG	DATE 2006/04/25	<p>WEWPC BIOLOGICAL NUTRIENT REMOVAL UPGRADE CONTRACT No. 3</p>
DRAWN BY NV	APPROVED BY JEH	CONSULTANT DRAWING NO. FS2.02	
HOR. SCALE: AS NOTED	RELEASED FOR CONSTRUCTION BY: J. VEILLEUX	DATE 2006/04/26	<p>STRUCTURAL AREA F - PRIMARY SLUDGE FERMENTERS FOUNDATION FRAMING PLAN</p>
00 ISSUED FOR TENDER	06/04/26	NV	CITY FILE NUMBER
NO. REVISIONS	DATE	BY	SHEET OF
			CITY DRAWING NUMBER