

SURVEY TOP OF SOLDIER PILE ELEVATIONS AND LATERAL POSITION OF SHORING IMMEDIATELY AFTER INSTALLATION. RE-SURVEY WEEKLY DURING EXCAVATION AND

1. ALL CONCRETE IS TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH METHODS OF CONCRETE CONSTRUCTION" AND CAN/CSA-A23.2-09 "METHOD OF

CONTRACTOR SPECIFIED SLUMP MUST BE SHOWN ON THE CERTIFICATION LETTER

AIR ENTRAINING ADMIXTURES SHALL CONFORM TO THE REQUIREMENTS OF ASTM C260/C260M-10A "STANDARD SPECIFICATION FOR AIR ENTRAINING ADMIXTURES CONCRETE" OR ASTM C1017/C1017M "STANDARD SPECIFICATION FOR CHEMICAL CONCRETE IS APPLICABLE. AIR ENTRAINED ADMIXTURES TO HAVE A DURABILITY FACTOR GREATER THAN 75, WHEN TESTED TO ASTM STANDARDS C666/C666M PROCEDURE A. SPACING FACTOR FOR ANY AIR ENTRAINING ADMIXTURE MUST BE 0.17MM OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM C457 "STANDARD

No. 235 Date: <u>June 25, 2015</u>

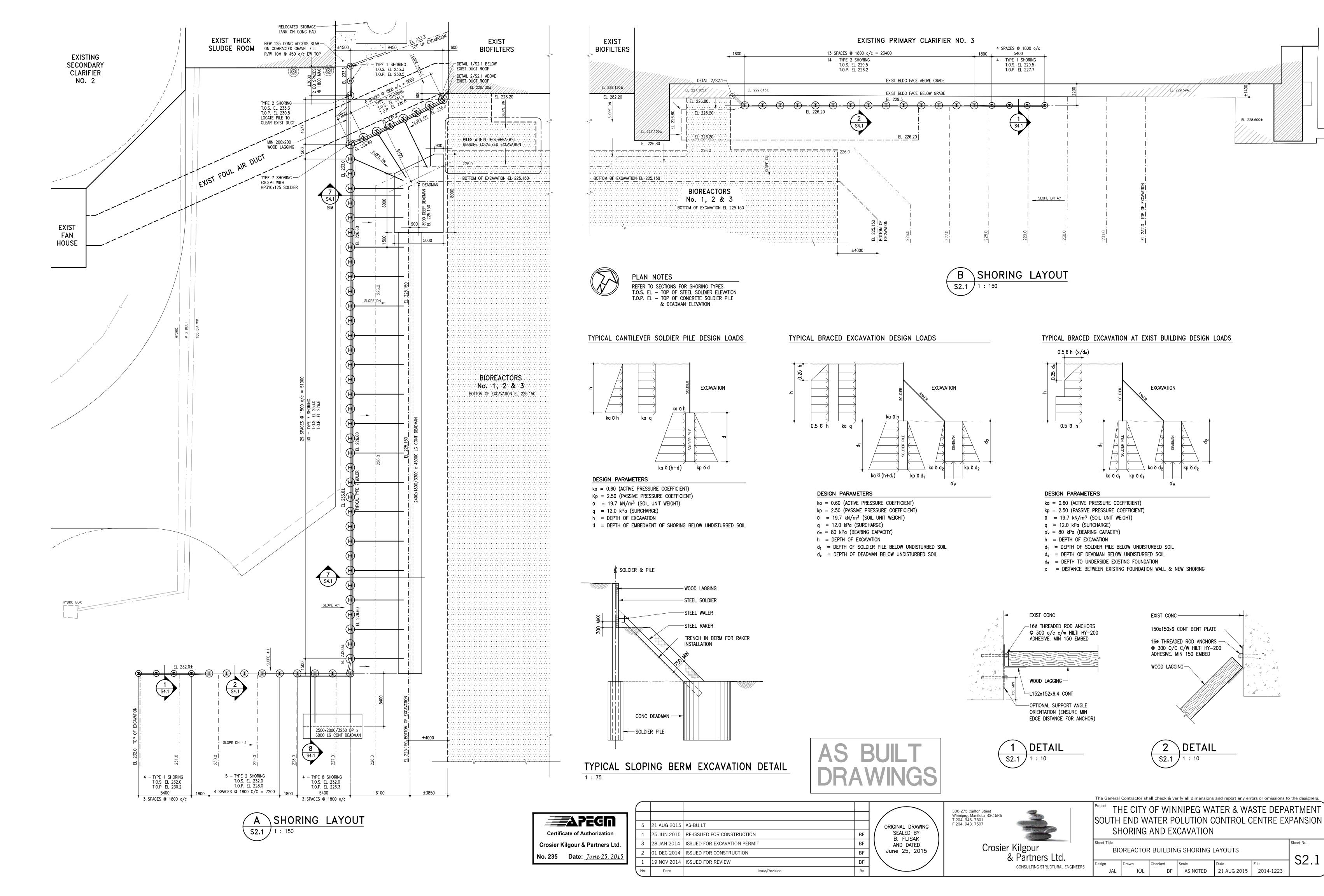
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5	21 AUG 2015	AS-BUILT	BF	ORIGIN
4	25 JUN 2015	RE-ISSUED FOR CONSTRUCTION	BF	SE B.
3	28 JAN 2014	ISSUED FOR EXCAVATION PERMIT	BF] \ AN
2	16 DEC 2014	ISSUED FOR CONSTRUCTION	BF	June
1	19 NOV 2014	ISSUED FOR REVIEW	BF	
No.	Date	Issue/Revision	Ву	

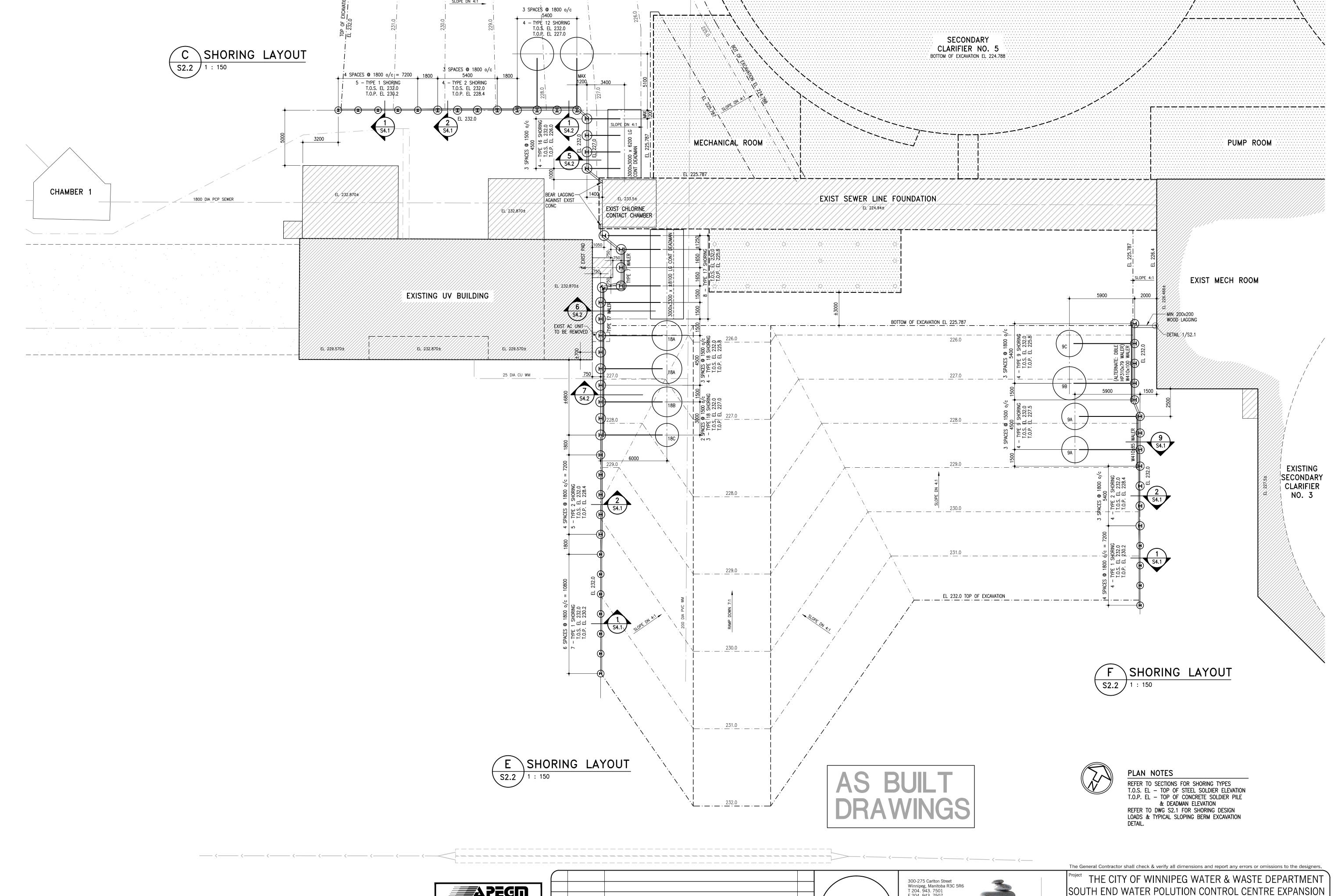


CONSULTING STRUCTURAL ENGINEERS

THE CITY OF WINNIPEG WATER & WASTE DEPARTMENT SOUTH END WATER POLUTION CONTROL CENTRE EXPANSION

AS NOTED 21 AUG 2015 2014-1223





300-275 Carlton Street Winnipeg, Manitoba R3C 5R6 T 204. 943. 7501 F 204. 943. 7507 **APEGM** SOUTH END WATER POLUTION CONTROL CENTRE EXPANSION ORIGINAL DRAWING SEALED BY SHORING AND EXCAVATION **Certificate of Authorization** B. FLISAK 3 21 AUG 2015 AS-BUILT Crosier Kilgour & Partners Ltd. Crosier Kilgour & Partners Ltd. AND DATED UV EXPANSION & SECONDARY CLARIFIER NO. 5 SHORING LAYOUTS June 25, 2015 25 JUN 2015 | RE-ISSUED FOR CONSTRUCTION No. 235 Date: <u>June 25, 2015</u> 28 JAN 2014 | ISSUED FOR EXCAVATION PERMIT CONSULTING STRUCTURAL ENGINEERS AS NOTED 21 AUG 2015 2014-1223

