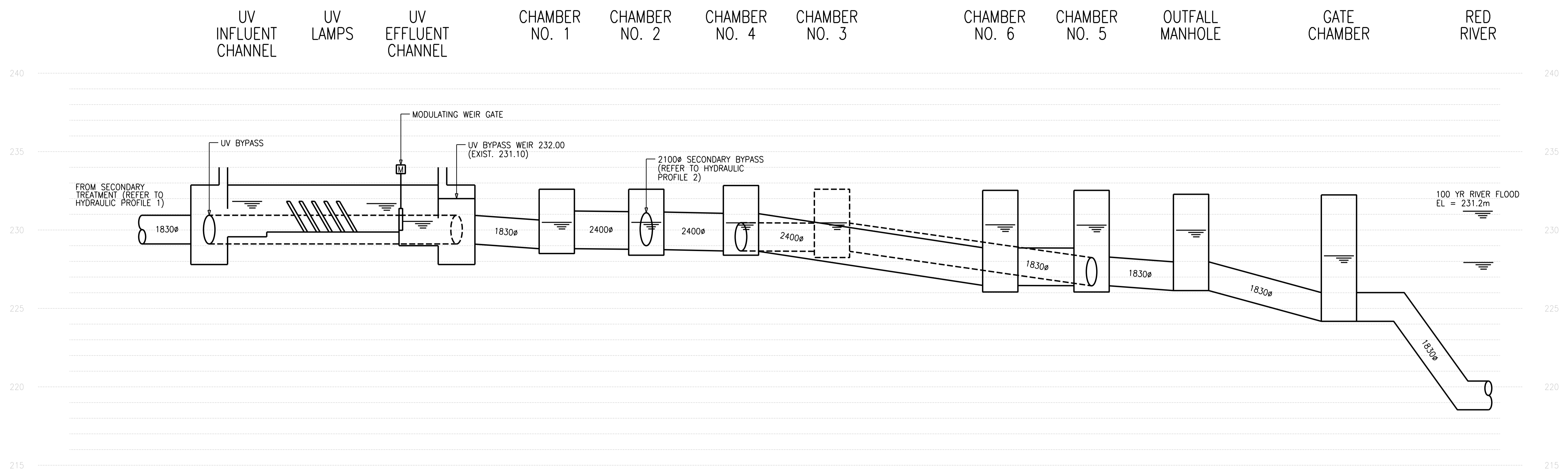


DISINFECTION

OUTFALL



Flow Condition	UV Influent Channel			UV Lamps		UV Effluent Channel		Chamber No. 1	Chamber No. 2	Chamber No. 4	Chamber No. 3	Chamber No. 6	Chamber No. 5	Outfall Manhole	Gate Chamber	Red River
	Flow (ML/D)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)	Water Level (M)
5-YR AVERAGE RIVER LEVEL & DESIGN PEAK FLOW	225	231.82	231.82	230.54	230.49	230.49	230.45	230.45	230.32	230.30	229.98	228.36	227.93			
5-YR AVERAGE RIVER LEVEL & SCREENS CAPACITY	225	231.82	231.68	229.92	229.83	229.83	229.77	229.77	229.65	229.64	229.39	228.24	227.93			
5-YR AVERAGE RIVER LEVEL & SECONDARY TREATMENT CAPACITY	225	231.82	231.68	229.74	229.53	229.50	229.18	229.16	228.64	228.64	228.55	228.07	227.93			
5-YR AVERAGE RIVER LEVEL & PRIMARY TREATMENT CAPACITY	150	231.74	231.68	229.62	229.40	229.36	229.08	229.05	228.24	228.24	228.21	228.00	227.93			
5-YR AVERAGE RIVER LEVEL & AVERAGE DRY WEATHER FLOW	75	231.70	231.68	229.47	229.23	229.19	228.96	228.93	228.01	228.01	228.00	227.95	227.93			

- NOTES:
 1. PROFILE ASSUMES ALL PROCESS TREATMENT UNITS ARE IN SERVICE.
 2. ≡ DEPICTS SCREENS CAPACITY WATER LEVEL UNLESS OTHERWISE NOTED.



				ENGINEER'S SEAL 29/01/2016 			
DESIGNED BY: G. GERMAN CHECKED BY: J. CHENG DRAWN BY: G. GERMAN APPROVED BY: H.T. FREIHAMMER SCALE: NTS ISSUED FOR CONSTRUCTION BY: T. TURZAK DATE: 2014/01/17 DATE: 2016/01/29		CONSULTANT NO.: 474248		SOUTH END WATER POLLUTION CONTROL CENTRE SEWPCC UPGRADING/EXPANSION PROJECT PROCESS HYDRAULIC PROFILE (3) DISINFECTION AND OUTFALL		CITY DRAWING NUMBER: 1-0102-PHYD-A005 SHEET: 001 REV: 00 SIZE: A1	