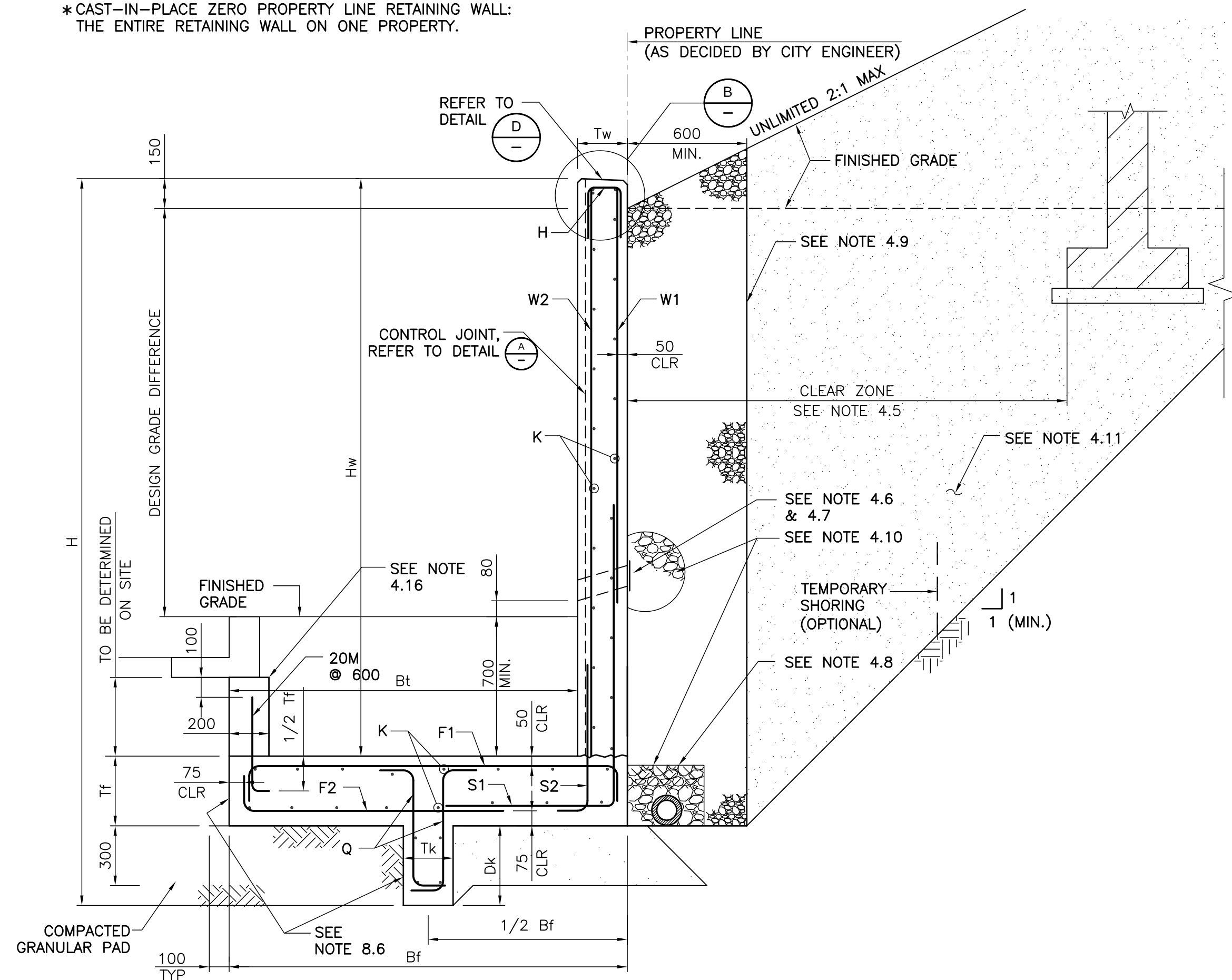
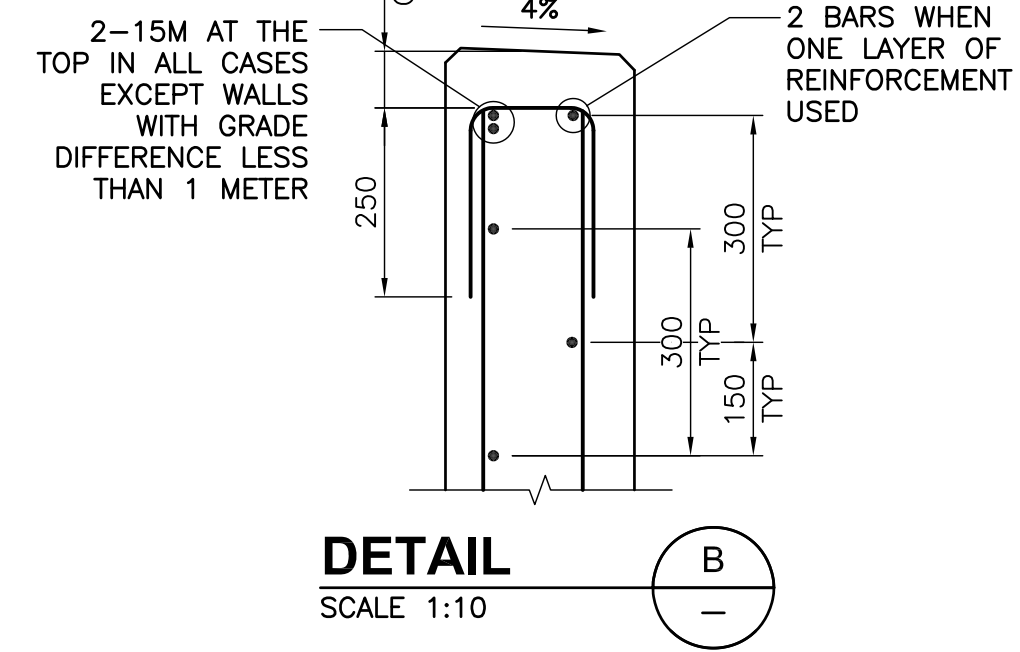


*CAST-IN-PLACE ZERO PROPERTY LINE RETAINING WALL:
THE ENTIRE RETAINING WALL ON ONE PROPERTY.

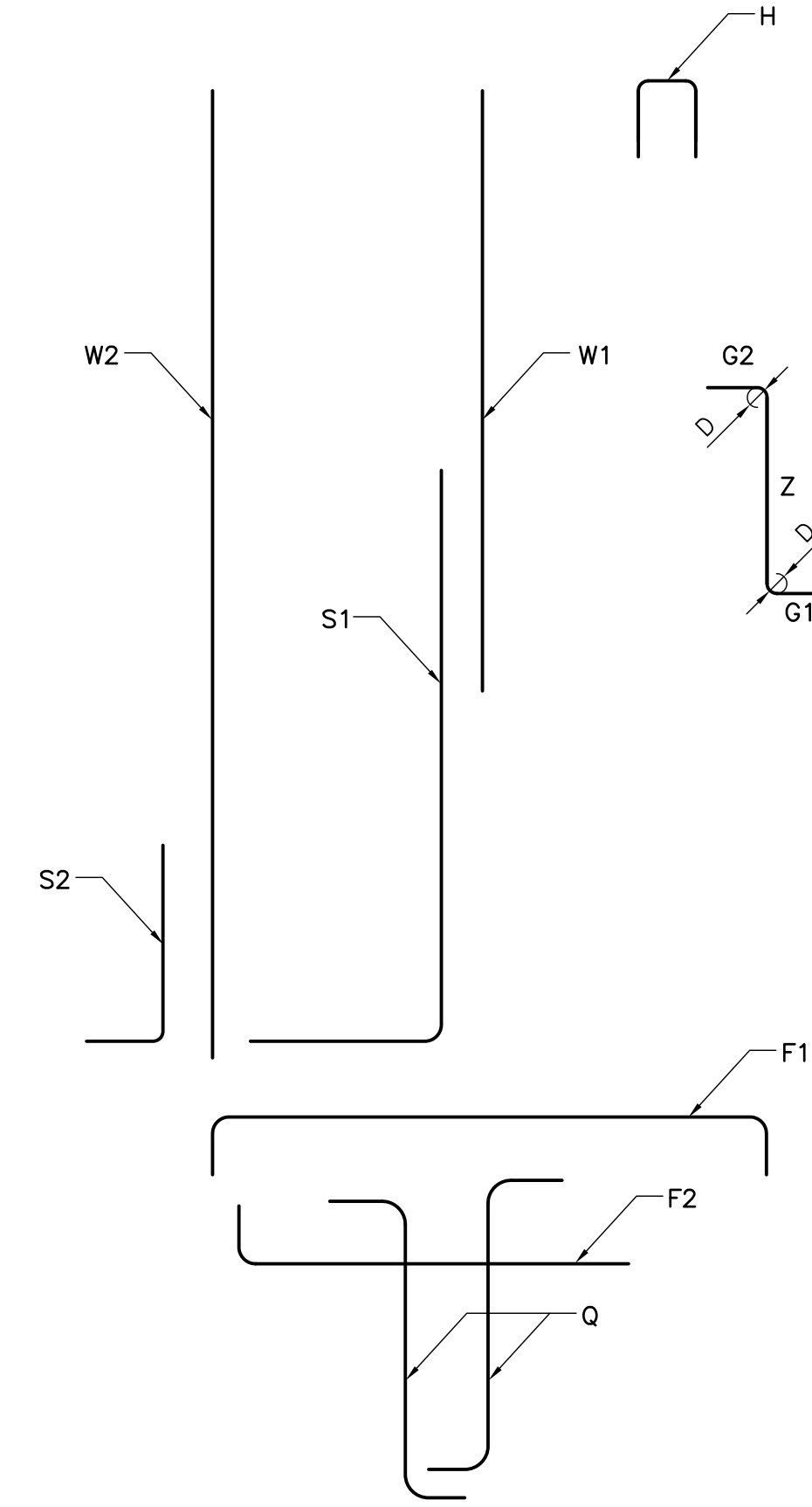


TYPICAL ZERO PL RETAINING WALL SECTION - CASE 1 & 2
SCALE 1:20

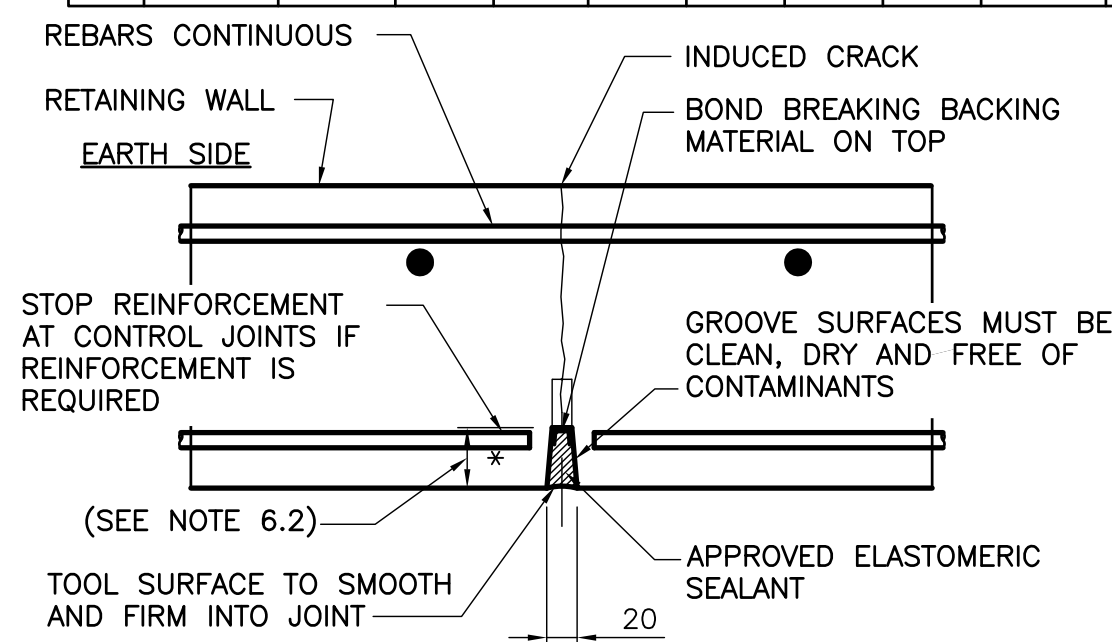


DETAIL B
SCALE 1:10

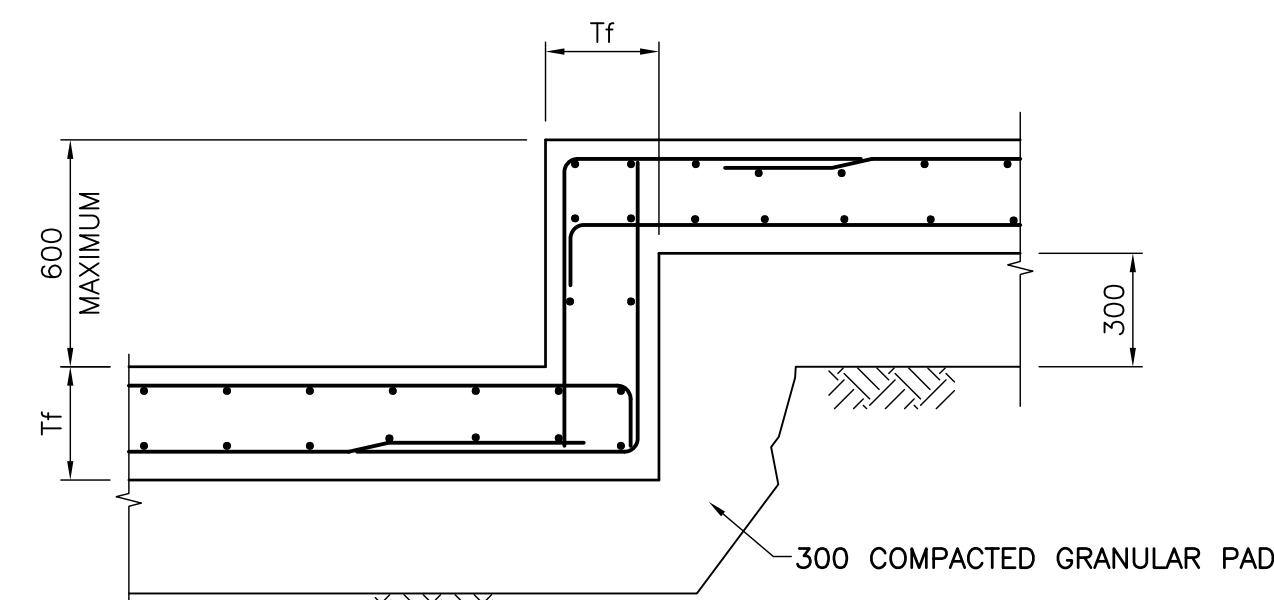
DIMENSIONS (mm)								
DESIGN GRADE DIFFERENCE	H	Bf	Tf	Tw	Hw	Bt	Tk	Dk
0.6 m	CASE 1	2150	1500	300	200	1450	1300	400
	CASE 2	1750	1300	300	200	1450	1100	-
	CASE 3	1850	1100	200	150	1450	950	250
1.2 m	CASE 1	2900	2150	300	250	2050	1900	550
	CASE 2	2350	1900	300	250	2050	1650	-
	CASE 3	2750	1850	300	250	2050	1600	400
1.8 m	CASE 1	2750	2350	350	450	2650	1900	750
	CASE 2	3400	2000	350	300	2650	1700	400
	CASE 3	3450	2200	350	300	2650	1900	450
2.4 m	CASE 1	4550	2550	400	650	3250	1900	900
	CASE 2	4250	2300	400	400	3250	1900	600
	CASE 3	4350	2350	450	450	3250	1900	650



DESIGN GRADE DIFFERENCE	q _{max} (KPa)	REINFORCEMENT BARS																												QUANTITIES PER METER LONG																	
		SPA.	No.	F1				F2				S1				S2				Q				W1		W2		H				K (SEE NOTE 6.7)		STEEL (Kg)					CONCRETE VOLUME (m ³)								
				SIZE	G1	G2	Z	LENGTH (mm)	SIZE	G1	Z	LENGTH (mm)	SIZE	G1	Z	LENGTH (mm)	SIZE	G1	Z	LENGTH (mm)	SIZE	G1	G2	Z	No.	LENGTH (mm)	SIZE	Z	LENGTH (mm)	SIZE	Z	LENGTH (mm)	SIZE	No.	LENGTH (mm)	10M	15M	20M		25M	TOTAL						
0.6 m	CASE 1	60	250	4	15	175	175	1350	1700	15	175	1350	1525	15	550	1600	2150	10	250	650	900	15	150	200	575	2	925	-	-	-	10	1375	1375	10	250	250	100	600	10	23	1000	27	45	-	-	72	0.95
	CASE 2	80	250	4	15	175	175	1150	1500	15	175	1150	1325	15	550	1600	2150	10	250	650	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	0.70	
	CASE 3	45	-	-	-	-	-	-	-	10	100	950	1050	10	500	1600	2100	10	100	650	750	10	100	100	300	1	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51
1.2 m	CASE 1	55	250	4	15	175	175	2000	2350	20	175	2000	2175	20	700	2200	2900	15	250	900	1150	15	200	200	725	2	1125	-	-	-	15	1975	1975	15	250	250	150	650	10	31	1000	24	53	48	-	125	1.10
	CASE 2	50	250	4	15	175	175	1750	2100	15	175	1750	1925	15	550	2200	2750	10	250	650	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	1.50	
	CASE 3	100	300	5	15	175	175	1700	2050	20	175	1700	1875	20	700	2200	2900	15	250	900	1150	15	200	200	575	2	975	-	-	-	15	1975	1975	15	250	250	150	650	10	29	1000	23	61	56	-	140	1.30
1.8 m	CASE 1	65	250	4	15	225	225	2200	2650	20	225	2200	2425	20	700	1000	2700	15	250	900	1150	15	250	250	975	2	1475	15	2575	2575	15	2575	2575	15	250	250	400	900	15	37	1000	-	138	48	-	186	2.60
	CASE 2	80	250	4	15	225	225	1850	2300	20	225	1850	2075	20	700	1000	2700	15	250	900	1150	15	175	175	675	2	1025	15	2575	2575	15	2575	2575	15	250	250	200	700	15	33	1000	-	123	45	-	168	1.75
	CASE 3	125	200	4	15	225	225	2050	2500	25	225	2050	2275	20	700	1000	2700	15	250	900	1150	15	175	175	675	2	1025	15	2575	2575	15	2575	2575	15	250	250	200	700	15	34	1000	-	126	32	45	203	1.85
2.4 m	CASE 1	80	250	4	15	275	275	2400	2950	20	275	2400	2675	20	700	1500	2200	15	250	900	1150	15	250	250	1175	2	1675	15	2800	2800	15	3175	3175	15	250	250	550	1050	15	43	1000	-	158	46	-	204	4.10
	CASE 2	80	250	4	15	275	275	2150	2700	20	275	2150	2425	20	700	1050	1750	15	250	900	1150	15	250	250	850	2	1350	15	2800	2800	15	3175	3175	15	250	250	300	800	15	39	1000	-	146	39	-	185	2.70
	CASE 3	170	200	5	15	325	325	2200	2850	25	325	2200	2525	20	700	1500	2200	15	250	900	1150	15	250	250	825	2	1325	15	2800	2800	15	3175	3175	15	250	250	550	1050	15	40	1000	-	160	26	50	236	3.01



TYPICAL CONTROL JOINT DETAIL (A)
SCALE 1:5



TYPICAL STEPPED FOOTING DETAIL (C)
SCALE 1:20

DRN BY:	CN	DES BY:	KA	CHK BY:	AM	APP BY:	REV	DESCRIPTION

VERIFY SCALE IF PLAN SHEET IS REDUCED

30 mm

STANDARDIZED C.I.P. ZERO PL RETAINING WALL

SECTIONS & DETAILS

ENGINEERING SERVICES - STRUCTURES		PROJECT START DATE (M/Y)
		PROJECT NO.
		FILENAME
		SHEET NO.
		DRAWING NO.

Plotted By: NiuC
Plot File Date Created: Sep/28/2012 11:27 AM
Layout-Sheet Name: TASK 2
Filename: P:\60215835\000-CADD-BIM\WORKING DWG\TASK 2\60215835_CIP_ZERO_PL_RETAINING_WALL.DWG