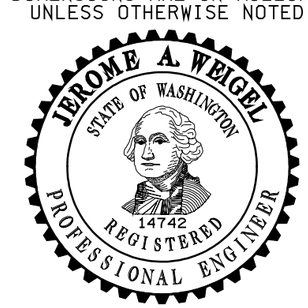
DIMENSIONS					FOOTING REINFORCEMENT															STEM REINFORCEMENT				MATERIAL QUANTITY		
					BAR E (size #4)		BAR F			BAR K					BAR M					BAR J			BAR G (size #4)			
H (m)	B	C_V	D	h_k	LENGTH	h	SIZE	SPACING	LENGTH	SIZE	SPACING	LENGTH	h	b	SIZE	SPACING	LENGTH	h	b	SIZE	SPACING	LENGTH	LENGTH	CONCRETE (m^3/m)	STEEL (Kg/m)	H (m)
1.5	800	610	300	0	1040	840	#4	300	500	#5	300	1800	1400	510	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1200	0.584	28.648	1.5
1.8	800	610	300	0	1040	840	#4	300	600	#5	300	2100	1700	510	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1500	0.720	33.099	1.8
2.1	900	690	300	0	1040	840	#4	300	600	#5	300	2500	2000	560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1800	0.875	35.572	2.1
2.4	900	690	300	0	1040	840	#4	300	600	#5	300	2800	2300	560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2100	0.993	39.776	2.4
2.7	1100	690	300	0	1040	840	#4	300	800	#5	300	3100	2600	560	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2400	1.179	44.475	2.7
3.0	1100	840	300	0	1040	840	#4	300	700	#5	300	3500	2900	710	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2700	1.352	47.143	3.0
3.4	1300	910	300	0	1040	840	#4	300	800	#5	300	3900	3200	810	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3000	1.555	52.241	3.4
3.7	1500	990	300	0	1040	840	#4	300	900	#5	300	4300	3500	890	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3300	1.794	58.193	3.7
4.0	1800	1070	300	0	1040	840	#4	230	1100	#5	230	4700	3800	940	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3600	2.039	70.384	4.0
4.3	1900	1070	300	0	1040	840	#5	230	1300	#5	230	5000	4100	940	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3900	2.273	79.432	4.3
4.6	2100	1140	300	0	1040	840	#6	200	1600	#6	230	5300	4400	1020	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4200	2.536	110.341	4.6
4.9	2300	1140	300	0	1040	840	#6	150	1800	#6	200	5600	4700	1020	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4500	2.787	129.072	4.9
5.2	2400	1220	380	0	1120	910	#6	150	1900	#6	180	6000	5100	1120	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4800	3.178	147.800	5.2
5.5	2700	1300	380	0	1120	910	#6	130	2000	#6	150	6400	5400	1170	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5100	3.487	174.464	5.5
5.8	2700	1370	460	0	1190	990	#7	180	2300	#6	150	6800	5700	1240	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5300	3.896	186.058	5.8
6.1	2800	1450	460	0	1190	990	#7	180	2300	#7	180	7100	6000	1320	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5600	4.169	211.347	6.1
6.4	3000	1520	460	0	1190	990	#7	150	2400	#7	300	3900	2600	1420	#7	300	2600	1400	1400	#7	300	5900	5900	4.485	222.054	6.4
6.7	3100	1600	530	0	1270	1070	#7	150	2500	#7	280	4100	2800	1470	#7	280	2700	1400	1500	#7	280	6100	6100	4.982	238.230	6.7
7.0	3300	1680	530	0	1270	1070	#7	150	2600	#7	300	4300	2900	1550	#7	560	2800	1400	1500	#7	250	6400	6500	5.325	255.896	7.0
7.3	3400	1750	610	0	1350	1140	#7	150	2500	#7	280	4300	3000	1630	#7	560	2900	1500	1600	#7	250	6700	6700	5.872	270.620	7.3
7.6	3500	1910	610	610	1350	1140	#7	150	2600	#7	250	4800	3100	1780	#7	230	3100	1500	1800	#7	230	7000	7000	6.755	286.599	7.6
7.9	3700	1980	690	610	1420	1220	#7	150	2600	#7	250	5000	3300	1850	#7	230	3300	1500	1900	#7	230	7200	7200	7.342	301.476	7.9
8.2	3800	2130	690	610	1420	1220	#7	150	2600	#7	230	5300	3400	2030	#7	200	3400	1500	2000	#7	200	7500	7500	7.741	317.438	8.2
8.5	4000	2210	760	610	1500	1300	#7	150	3000	#8	230	5500	3600	2080	#8	230	3800	1900	2100	#8	230	7700	7800	8.373	379.720	8.5
8.8	4100	2290	760	610	1500	1300	#8	150	3000	#8	200	5700	3700	2160	#8	200	3900	1900	2200	#8	200	8000	8100	8.802	445.878	8.8
9.1	4300	2440	840	610	1570	1370	#8	150	3100	#8	200	6000	3900	2340	#8	200	4200	2000	2300	#8	200	8300	8300	9.482	472.720	9.1
9.4	4400	2510	840	610	1570	1370	#8	150	3100	#8	200	6200	4000	2390	#8	200	4200	2000	2400	#8	200	8600	8600	9.938	486.153	9.4
9.8	4600	2590	910	610	1650	1450	#8	150	3200	#9	230	6400	4100	2460	#9	230	4700	2400	2500	#9	230	8800	8800	10.666	585.598	9.8
10.1	4700	2670	910	610	1650	1450	#8	150	3300	#9	200	6600	4300	2540	#9	200	4700	2400	2500	#9	200	9100	9100	11.147	631.910	10.1
10.4	5000	2820	990	610	1730	1520	#8	150	3300	#9	200	6900	4400	2690	#9	200	5000	2500	2700	#9	200	9300	9400	11.998	655.044	10.4
10.7	5100	2900	1070	610	1800	1600	#8	130	3400	#10	200	7100	4600	2770	#10	200	5600	3000	2800	#10	200	9600	9600	12.808	809.780	10.7

WALL DESIGN WITH SLOPING
FRONT FACE AND 1:2 BACKSLOPE
ALL DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE NOTED



EXPIRES JUNE 29, 2000

REINFORCED CONCRETE RETAINING WALL TYPE 6 AND 6 SW STANDARD PLAN D-1f

SHEET 2 OF 2 SHEETS

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

DATE	REVISION	BY
10/99	New approval date.	TWS

APPROVED FOR PUBLICATION

Clifford E. Mansfield — DEPUTY STATE DESIGN ENGINEER

10/06/99 — DATE

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON