

CRASHWALL EXTENSION (TWO CIRCULAR COLUMN PIERS)

CONCRETE STRUCTURES																															
STRUCTURE STATION	DIMENSION					(CU YD)	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	LENGTH	LBS	BAR	QTY	SIZE	LENGTH	SHAPE	LBS	BAR	QTY	SIZE	A	I	LENGTH	SHAPE	LBS
	B (FT)	C (FT)	D (FT)	E (FT)	F (FT)																										
* 010-0182 832+31.50	1'-4"	2'-8"	0'-3"	3'-0"	16'-0"	8.67	h(E)	36	#5	2'-9"		103.3	h1(E)	21	#5	15'-8"	343.2	s(E)	66	#5	2'-0"		137.7	s1(E)	33	#5	1'-0"	3'-2"	9'-3"		318.4
* 010-0183 901+29.00	1'-10"	2'-2"	0'-3"	3'-0"	16'-0"	11.91	h(E)	36	#5	2'-9"		103.3	h1(E)	21	#5	15'-8"	343.2	s(E)	66	#5	2'-0"		137.7	s2(E)	33	#5	1'-6"	3'-2"	10'-3"		352.8
* 092-0146 1107+32.00	1'-9"	2'-3"	0'-3"	3'-0"	16'-8"	11.82	h(E)	36	#5	2'-9"		103.3	h2(E)	21	#5	16'-4"	357.8	s(E)	72	#5	2'-0"		150.2	s3(E)	36	#5	1'-5"	3'-2"	10'-1"		378.6
* 092-0152 1241+21.59	1'-7"	2'-5"	0'-3"	3'-0"	18'-2"	11.64	h(E)	36	#5	2'-9"		103.3	h3(E)	21	#5	17'-10"	390.6	s(E)	78	#5	2'-0"		162.7	s4(E)	39	#5	1'-3"	3'-2"	9'-9"		396.6
* 092-0115 1320+69.30	1'-10"	2'-2"	0'-3"	3'-0"	18'-2"	13.47	h(E)	36	#5	2'-9"		103.3	h3(E)	21	#5	17'-10"	390.6	s(E)	78	#5	2'-0"		162.7	s2(E)	39	#5	1'-6"	3'-2"	10'-3"		416.9
* 092-0148 1413+64.00	1'-6"	2'-6"	0'-3"	3'-0"	16'-0"	9.75	h(E)	36	#5	2'-9"		103.3	h1(E)	21	#5	15'-8"	343.2	s(E)	66	#5	2'-0"		137.7	s5(E)	33	#5	1'-2"	3'-2"	9'-7"		329.8
* 092-0075 1507+04.00	1'-0"	3'-9"	0'-3"	3'-0"	18'-2"	7.35	h(E)	36	#5	2'-9"		103.3	h3(E)	21	#5	17'-10"	390.6	s(E)	78	#5	2'-0"		162.7	s6(E)	39	#5	8"	3'-2"	8'-7"		349.1
* 092-0125 1575+78.68	0'-9"	3'-3"	0'-3"	3'-0"	16'-0"	4.89	h(E)	36	#5	2'-9"		103.3	h1(E)	21	#5	15'-8"	343.2	s(E)	66	#5	2'-0"		137.7	s7(E)	33	#5	5"	3'-2"	8'-1"		278.2
** 092-0127 1647+79.00	1'-5"	2'-7"	0'-6"	3'-0"	18'-0"	10.32	h(E)	36	#5	2'-9"		103.3	h4(E)	21	#5	17'-8"	387.0	s(E)	72	#5	2'-0"		150.2	s8(E)	36	#5	1'-1"	3'-8"	10'-5"		391.1
* 092-0128 1826+70.03	1'-8"	2'-4"	0'-3"	2'-6"	15'-8"	10.83	h(E)	36	#5	2'-9"		103.3	h1(E)	21	#5	15'-4"	335.8	s(E)	66	#5	2'-0"		137.7	s9(E)	33	#5	1'-4"	2'-8"	8'-11"		306.9
* 092-0151 2140+25.83	1'-11"	2'-1"	0'-3"	2'-6"	17'-8"	13.71	h(E)	36	#5	2'-9"		103.3	h5(E)	21	#5	17'-4"	379.7	s(E)	72	#5	2'-0"		150.2	s10(E)	36	#5	1'-7"	2'-8"	9'-5"		353.6
CONCRETE STRUCTURES =						114.3	LBS =					1136.3	LBS =					4004.9	LBS =					1627.2	LBS =					3872.0	

STRUCTURE	BAR	QTY	SIZE	LENGTH	SHAPE	LBS
** 092-0127	u(E)	6	#5	11'-3"		70.4
LBS =						70.4
REINFORCEMENT BARS (EPOXY COATED) =						10711.1

NOTE:
WORK TO BE DONE TO ALL PIERS AT
EACH STRUCTURE.

* WORK WITH SHEET 81
** WORK WITH SHEET 81A

** CHAMPAIGN & VERMILION