

Appendix J

Design Culvert Table



Structure ID	Configuration	US Invert (mAHD)	DS Invert (mAHD)	Slope (%)	Barrel Length (m)	1% AEP US Flood Level (mAHD)	1% AEP DS Flood Level (mAHD)	1% AEP Velocity (m/s)	Outlet Scour - D ₅₀ (mm)	Outlet Scour - Apron Length (m)
449.35	5 x 0.6H x 1.8W RCBC	325.026	325.002	0.5	4.8	325.90	325.68	1.62	100	3.6
449.765	18 x 0.45H x 1.2W RCBC	321.869	321.845	0.5	4.8	322.30	322.21	1.02		
449.852	2 x 0.6H x 1.5W RCBC	320.730	320.706	0.5	4.8	321.01	320.98	1.00		
450.204	2 x 0.6H x 1.8W RCBC	317.205	317.181	0.5	4.8	317.87	317.74	1.26		
451.332	9 x 1.2H x 2.4W RCBC	307.243	307.200	0.9	4.8	308.65	307.95	2.75	300	9.6
452.721	3 x 2.4H x 3W RCBC	299.557	299.533	0.5	4.8	301.70	301.32	2.22	300	19.2
453.403BR	6 x 1.5H x 2.4W RCBC	299.826	299.755	1.5	4.8	301.47	300.37	3.28	300	6
453.642	1 x 0.9H x 1.8W RCBC	300.488	300.402	1.8	4.8	301.48	300.44	2.54	200	2.7
454.353	4 x 0.9H x 1.8W RCBC	299.525	299.501	0.5	4.8	300.37	300.29	1.10		
454.844BR	18 x 1.8H x 2.4W RCBC	297.013	296.989	0.5	4.8	298.60	298.10	2.53	300	14.4
455.228	4 x 1.8H x 3W RCBC	297.153	297.129	0.5	4.8	299.25	298.22	3.35	400	14.4
456.184	2 x 1.2H x 3W RCBC	301.833	301.683	3.1	4.8	302.55	302.16	2.18	200	3.6
456.992	25 x 0.6H x 1.8W RCBC	304.361	304.297	1.3	4.8	304.97	304.71	2.00	100	3.6
457.25	1 x 0.6H x 1.8W RCBC	305.008	304.982	0.6	4.8	306.01	305.03	2.26	200	1.8
457.486	1 x 1.2H x 2.4W RCBC	304.919	304.802	2.4	4.8	306.09	305.17	2.77	300	3.6
457.9	4 x 0.45H x 1.2W RCBC	308.995	308.947	1.0	4.8	309.53	309.15	1.77	100	1.35
458.07	8 x 0.45H x 1.2W RCBC	309.424	309.376	1.0	4.8	309.96	309.54	1.87	100	1.35
458.285	1 x 0.6H x 1.8W RCBC	309.661	309.613	0.5	9.6	310.41	309.77	2.00	100	1.8
458.323	2 x 0.9H x 1.8W RCBC	309.593	309.381	1.1	19.3	310.80	309.84	2.35	200	5.4
458.648	3 x 0.8H x 2.4W RCBC	310.312	310.012	1.6	19.3	311.20	310.49	2.41	200	4.8
459.676BR	1 x 0.6H x 1.8W RCBC	310.327	310.177	1.0	14.4	311.21	310.46	3.20	300	1.8
460.127	2 x 1.5H x 2.4W RCBC	308.730	308.658	0.5	14.4	310.19	309.10	2.82	300	6
460.698BR	3 x 1.1H x 2.6W RCBC	306.192	306.192	0.0	5.5	308.41	307.10	3.74	400	8.8
460.698BRa	6 x 1.5H x 3W RCBC	306.483	306.458	0.5	4.8	308.40	307.17	3.06	300	6
461.157BR	12 x 1.8H x 2.4W RCBC	306.710	306.686	0.5	4.8	308.70	308.08	3.00	300	14.4
461.244	3 x 0.6H x 1.8W RCBC	308.163	308.097	1.4	4.8	309.08	308.67	3.30	300	3.6
461.252	3 x 0.6H x 1.8W RCBC	308.229	308.186	0.9	4.8	309.09	308.58	3.15	300	3.6
461.98	2 x 0.6H x 1.8W RCBC	315.053	314.931	2.6	4.8	315.66	315.60	0.84		
462.814	1 x 0.9H x 2.4W RCBC	319.440	319.416	0.5	4.8	319.86	319.44	1.53		
463.019	1 x 0.6H x 1.8W RCBC	320.085	320.032	1.1	4.8	320.33	320.03	1.26		
463.224	3 x 0.45H x 1.2W RCBC	319.221	319.197	0.5	4.8	319.55	319.49	0.88		
464.694	4 x 1.8H x 3W RCBC	307.733	307.709	0.5	4.8	309.72	308.75	3.28	400	14.4
464.746	1 x 1.5H x 2.4W RCBC	307.932	307.908	0.5	4.8	309.81	308.85	3.06	300	12
465.265	3 x 0.45H x 0.6W RCBC	313.400	313.219	1.9	9.6	313.86	313.34	1.73	100	1.35
465.310	3 x 0.45H x 0.6W RCBC	313.457	313.385	0.5	14.4	313.84	313.84	0.34		
465.366	3 x 0.45H x 0.6W RCBC	313.520	313.446	0.5	14.4	313.90	313.84	1.50		
465.443	1 x 0.45H x 0.6W RCBC	314.160	314.112	1.0	4.8	314.73	314.12	1.88	100	1.35
466.824	2 x 1.2H x 2.4W RCBC	311.717	311.693	0.5	4.8	312.98	312.27	2.56	300	4.8
468.176	4 x 0.9H x 1.8W RCBC	313.557	313.533	0.5	4.8	314.82	314.27	2.47	200	5.4
468.366	3 x 0.6H x 1.8W RCBC	313.875	313.800	1.6	4.8	314.89	314.16	3.57	400	3.6
468.565	7 x 1.1H x 2.6W RCBC	313.302	313.302	0.0	8.2	314.73	314.03	2.54	200	6.6
469.524	1 x 1.5H x 3W RCBC	316.484	316.460	0.5	4.8	318.14	317.04	2.94	300	6

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470.467	1 x 1.2H x 2.4W RCBC	320.647	320.623	0.5	4.8	321.49	320.79	2.11	200	3.6
472.03	7 x 2.1H x 3W RCBC	311.913	311.889	0.5	4.8	314.11	313.44	2.95	400	16.8
473.905	3 x 0.45H x 1.2W RCBC	313.613	313.489	2.6	4.8	314.34	313.93	2.90	300	2.7
473.938	3 x 0.45H x 0.6W RCBC	313.347	313.323	0.5	4.8	313.71	313.40	1.40		
476.771	2 x 0.45H x 1.2W RCBC	296.624	296.600	0.5	4.8	297.09	297.18	0.51		
476.796	1 x 0.6H x 1.8W RCBC	296.456	296.397	1.2	4.8	296.80	296.80	1.49		
477.703	3 x 0.9H x 2.4W RCBC	293.314	293.290	0.5	4.8	294.47	293.85	2.38	200	5.4
478.174	12 x 1.5H x 2.4W RCBC	290.985	290.961	0.5	4.8	292.65	292.52	1.28		
478.235	15 x 1.8H x 3W RCBC	290.602	290.578	0.5	4.8	292.65	292.49	1.01	100	7
478.262	10 x 2.1H x 3W RCBC	290.282	290.258	0.5	4.8	292.65	292.54	1.38	100	7
478.411	12 x 1.5H x 2.4W RCBC	291.050	291.026	0.5	4.8	292.66	292.43	1.73	200	9
478.537	12 x 1.2H x 2.4W RCBC	291.323	291.299	0.5	4.8	292.72	292.37	2.10	200	7.2
478.663	12 x 1.2H x 3W RCBC	291.283	291.249	0.7	4.8	292.72	292.41	2.00	200	7.2
478.796	12 x 1.2H x 2.4W RCBC	291.391	291.365	0.6	4.8	292.77	292.45	2.02	200	7.2
479.004	10 x 0.8H x 2.4W RCBC	291.821	291.797	0.5	4.8	292.94	292.56	2.08	200	4.8
479.300a	3 x 3H x 3.6W RCBC	289.450	289.382	1.4	4.8	293.40	292.90	1.41	200	9
479.300b	3 x 3H x 3.6W RCBC	289.582	289.485	2.0	4.8	293.42	292.89	1.41	200	9
479.300c	5 x 1.5H x 3.6W RCBC	290.996	290.933	1.3	4.8	293.42	292.89	1.47	200	9
480.350	6 x 1.5H x 3W RCBC	292.058	292.034	0.5	4.8	293.73	293.27	2.43	200	9
481.921	2 x 0.9H x 1.8W RCBC	298.456	298.432	0.5	4.8	299.29	298.96	1.78	200	5.4
482.500	3 x 0.45H x 1.2W RCBC	303.116	303.066	1.0	4.8	303.94	303.79	1.32		
482.824	6 x 0.6H x 1.8W RCBC	304.607	304.583	0.5	4.8	305.36	304.93	1.96	100	3.6
482.947	4 x 0.9H x 1.8W RCBC	305.225	305.201	0.5	4.8	305.60	305.28	1.43		
483.363	3 x 0.6H x 1.8W RCBC	309.909	309.885	0.5	4.8	310.75	310.42	1.92	100	3.6
483.549	1 x 0.9H x 2.4W RCBC	310.887	310.863	0.5	4.8	311.18	310.93	1.28		
483.940	2 x 0.9H x 2.4W RCBC	314.713	314.628	1.8	4.8	315.41	315.05	2.13	200	2.7
484.581	2 x 0.9H x 1.8W RCBC	317.167	317.090	1.6	4.8	318.18	317.17	2.57	200	2.7
484.829	2 x 1.1H x 2.6W RCBC	316.512	316.512	0.0	8.2	317.42	316.80	2.07	As existing	
487.96	1 x 0.9H x 1.8W RCBC	295.487	295.440	1.0	4.8	296.36	296.11	2.35	200	5.4
488.0	1 x 0.9H x 2.4W RCBC	295.245	295.216	0.6	4.8	296.23	295.54	2.29	200	2.7
488.694	1 x 0.9H x 1.8W RCBC	291.187	291.099	1.8	4.8	292.01	291.26	2.32	200	2.7
488.908	1 x 0.6H x 1.8W RCBC	289.840	289.783	1.2	4.8	290.65	290.02	2.20	200	1.8
489.7	6 x 1.2H x 2.4W RCBC	285.597	285.567	0.6	4.8	287.07	286.64	2.29	200	7.2
489.844	10 x 2.1H x 3W RCBC	284.650	284.570	1.7	4.8	287.00	286.42	2.38	400	16.8
489.92	3 x 1.5H x 2.4W RCBC	285.060	284.986	0.8	9.6	287.11	286.28	2.99	300	12
490.189	2 x 1.2H x 2.4W RCBC	285.633	285.605	0.6	4.8	287.30	286.25	2.83	300	9.6
490.553	6 x 1.8H x 3W RCBC	285.000	284.920	1.7	4.8	287.15	286.50	2.87	300	14.4
491.834	6 x 1.5H x 2.4W RCBC	280.165	280.140	0.5	4.8	281.45	281.18	1.84	200	9
492.079	3 x 1.5H x 2.4W RCBC	279.786	279.761	0.5	4.8	281.38	280.73	2.82	300	12
492.947	4 x 0.9H x 1.8W RCBC	276.932	276.900	0.7	4.8	278.20	277.91	2.39	200	5.4
493.293	1 x 1.2H x 1.8W RCBC	276.564	276.498	1.4	4.8	277.04	277.04	1.43		
493.749	1 x 0.9H x 2.4W RCBC	276.064	276.023	0.9	4.8	276.88	276.17	2.30	200	2.7

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494.815	1 x 1.2H x 3W RCBC	271.039	270.948	0.6	14.4	272.23	271.51	2.62	300	3.6
495.535	3 x 0.6H x 1.8W RCBC	268.710	268.619	0.6	14.4	269.36	269.22	1.25		
496.067	1 x 0.6H x 1.8W RCBC	267.575	267.488	0.6	14.4	268.34	267.85	2.09	200	3.6
496.7	2 x 1.2H x 1.8W RCBC	265.858	265.833	0.3	7.2	267.20	266.60	2.60	300	9.6
496.885	3 x 1.2H x 2.4W RCBC	265.607	265.560	0.6	7.2	267.13	266.42	3.07	300	9.6
497.2	3 x 0.8H x 2.4W RCBC	265.068	265.018	0.7	7.2	265.91	265.43	2.18	200	4.8
497.613.B	7 x 0.9H x 2.4W RCBC	263.760	263.735	0.5	4.8	264.48	264.31	1.38		
497.78	4 x 0.6H x 1.8W RCBC	263.994	263.910	1.7	4.8	264.71	264.49	2.16	200	2.7
497.78B	5 x 0.45H x 1.2W RCBC	264.080	263.993	0.9	9.6	265.13	264.67	2.14	0	0
498.061	3 x 0.45H x 0.6W RCBC	264.782	264.756	0.2	13.2	265.78	264.91	3.78	400	1.35
498.625	2 x 0.6H x 1.8W RCBC	264.482	264.398	0.7	10.8	265.66	265.17	2.33	200	3.6
498.7	6 x 0.45H x 0.6W RCBC	264.446	264.398	0.7	7.2	265.09	264.76	1.71	100	2.7
498.87	5 x 0.45H x 1.2W RCBC	264.212	264.174	0.8	4.8	264.79	264.66	1.57		
499.545	2 x 0.45H x 0.6W RCBC	260.661	260.605	1.2	4.8	261.48	260.80	2.00	200	1.35
499.577	2 x 0.45H x 0.6W RCBC	260.726	260.663	1.3	4.8	261.30	260.71	1.88	100	1.35
500.138	3 x 0.45H x 0.6W RCBC	258.352	258.340	0.3	4.8	258.97	258.64	1.88	100	2.7
500.482	1 x 0.9H x 1.8W RCBC	257.585	257.560	0.5	4.8	258.67	257.87	2.38	200	2.7
500.558	3 x 0.9H x 1.8W RCBC	257.572	257.527	0.9	4.8	258.65	257.94	2.50	200	2.7
500.663	1 x 0.9H x 2.4W RCBC	257.425	257.400	0.2	12.0	258.67	257.82	2.34	200	2.7
501.167	1 x 0.9H x 2.4W RCBC	257.655	257.630	0.5	4.8	258.72	258.12	2.36	200	5.4
502.456	5 x 1.1H x 3W RCBC	255.069	255.045	0.5	4.8	256.39	255.86	2.56	200	6.6
502.7	10 x 1.1H x 3W RCBC	255.024	254.979	0.9	4.8	256.32	255.99	2.06	200	6.6
502.974	20 x 0.9H x 2.4W RCBC	255.204	255.179	0.5	4.8	256.35	255.95	2.16	200	5.4
503.338	4 x 0.9H x 2.4W RCBC	255.104	255.089	0.3	4.8	256.23	255.72	2.65	200	5.4
503.599	6 x 1.8H x 3W RCBC	253.905	253.880	0.5	4.8	256.21	255.46	2.85	300	14.4
503.72	2 x 0.9H x 2.4W RCBC	254.900	254.875	0.5	4.8	256.28	255.50	2.50	200	5.4
504.707	7 x 0.9H x 2.4W RCBC	254.225	254.200	0.5	4.8	255.59	255.18	2.26	200	5.4
504.798	8 x 1.2H x 2.4W RCBC	253.980	253.925	1.1	4.8	255.67	255.21	2.42	200	7.2
505.502	18 x 1.5H x 2.4W RCBC	253.500	253.475	0.5	4.8	255.24	254.95	1.91	200	5.4
506.676	3 x 0.6H x 1.8W RCBC	253.400	253.375	0.5	4.8	254.22	253.68	1.96	100	3.6
506.799	1 x 0.6H x 1.8W RCBC	253.420	253.395	0.5	4.8	254.22	253.51	1.96	100	1.8
507.025	1 x 0.9H x 1.8W RCBC	253.253	253.228	0.5	4.8	254.21	253.46	2.25	200	2.7
508.164	2 x 0.6H x 1.2W RCBC	251.400	251.375	0.5	4.8	252.37	251.53	2.10	200	1.8
509.365	12 x 0.9H x 2.4W RCBC	249.766	249.741	0.5	4.8	250.82	250.51	1.98	200	5.4
509.64	15 x 1.8H x 3W RCBC	248.625	248.600	0.5	4.8	250.70	250.34	2.17	300	14.4
510.25	11 x 0.9H x 2.4W RCBC	249.247	249.222	0.5	4.8	250.56	250.06	2.33	200	5.4
510.55	6 x 1.1H x 3W RCBC	249.060	249.035	0.5	4.8	250.58	249.78	2.63	200	6.6
510.815	9 x 1.2H x 2.4W RCBC	249.030	249.010	0.4	4.8	250.60	249.82	2.80	300	9.6
511.625	5 x 0.9H x 2.4W RCBC	250.525	250.500	0.5	4.8	251.85	251.26	2.40	200	5.4
512.108	14 x 1.8H x 3W RCBC	249.438	249.413	0.5	4.8	251.67	251.28	2.23	300	14.4
513.671	2 x 0.6H x 1.8W RCBC	253.472	253.440	0.7	4.8	253.94	253.84	1.14		
514.218	2 x 0.45H x 0.6W RCBC	253.834	253.824	0.2	4.8	254.54	254.06	1.71	100	2.7

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515.011	7 x 0.75H x 2.1W RCBC	253.705	253.700	0.1	4.8	254.38	254.21	1.46	100	3.6
515.084	6 x 0.9H x 1.8W RCBC	253.853	253.818	0.7	4.8	254.39	254.09	1.75	200	2.7
515.576	16 x 0.6H x 1.5W RCBC	253.071	253.046	0.5	4.8	253.77	253.65	1.24		
515.601	4 x 0.45H x 2.4W RCBC	252.784	252.698	1.8	4.8	253.83	253.53	1.86	100	3.6
516.313	1 x 1.2H x 2.4W RCBC	252.901	252.800	2.1	4.8	254.17	254.05	1.96	200	7.2
516.484	1 x 0.9H x 2.4W RCBC	253.165	253.140	0.5	4.8	254.18	253.62	2.32	200	5.4
516.98	1 x 0.9H x 2.4W RCBC	252.906	252.881	0.5	4.8	254.36	253.68	2.80	300	5.4
517.38	1 x 1.2H x 2.4W RCBC	252.713	252.688	0.5	4.8	254.36	253.24	2.74	300	3.6
517.428	2 x 1.5H x 2.4W RCBC	252.595	252.574	0.4	4.8	254.34	253.29	3.00	300	6
517.76	1 x 0.9H x 1.8W RCBC	252.910	252.880	0.6	4.8	254.37	253.19	2.80	300	2.7
518.556	1 x 1.8H x 3W RCBC	252.301	252.251	1.0	4.8	254.36	253.33	3.44	300	8.4
519.224	5 x 1.1H x 2.6W RCBC	252.420	252.370	1.0	4.8	254.29	253.65	2.86	As existing	
519.25	2 x 1.5H x 3W RCBC	252.604	252.579	0.5	4.8	254.28	253.71	2.68	300	12
520.339	5 x 1.2H x 2.4W RCBC	252.368	252.343	0.5	4.8	253.85	253.10	2.82	300	9.6
520.555	7 x 0.9H x 2.4W RCBC	252.349	252.324	0.5	4.8	253.68	253.36	2.00	200	5.4
520.8	6 x 0.8H x 2.4W RCBC	252.618	252.593	0.5	4.8	253.74	253.30	2.07	200	4.8
521.6	5 x 0.6H x 1.5W RCBC	252.702	252.678	0.5	4.8	253.62	253.04	2.10	200	3.6
521.918	2 x 0.9H x 2.4W RCBC	252.405	252.380	0.5	4.8	253.62	252.97	2.39	200	5.4
523.223	1 x 0.9H x 1.8W RCBC	251.673	251.648	0.5	4.8	252.84	252.18	2.42	200	5.4
524.18	1 x 0.8H x 1.8W RCBC	250.287	250.270	0.4	4.8	251.22	250.71	2.24	200	2.7
524.984	1 x 0.6H x 1.8W RCBC	249.545	249.515	0.6	4.8	250.50	250.11	2.20	300	3.6
525.984	2 x 0.6H x 1.8W RCBC	247.313	247.288	0.5	4.8	248.01	247.61	1.93	100	3.6
528.371	8 x 0.9H x 2.4W RCBC	242.050	242.025	0.5	4.8	243.05	242.84	1.64	200	5.4
528.54	22 x 0.9H x 2.4W RCBC	241.895	241.870	0.5	4.8	242.93	242.80	1.28		
528.668	7 x 0.9H x 2.4W RCBC	241.687	241.662	0.5	4.8	242.99	242.61	2.16	200	5.4
528.741	4 x 0.9H x 2.4W RCBC	241.725	241.700	0.5	4.8	242.93	242.48	2.15	200	5.4
529.107	1 x 0.45H x 0.6W RCBC	241.780	241.750	0.6	4.8	242.00	241.99	1.03		
529.274	3 x 0.6H x 1.2W RCBC	241.375	241.310	0.5	12.0	242.31	241.63	2.20	200	3.6
529.768	10 x 1.2H x 3W RCBC	240.425	240.400	0.5	4.8	241.88	241.58	1.95	200	7.2
530.33	11 x 0.9H x 2.4W RCBC	240.418	240.393	0.5	4.8	241.76	241.33	2.33	200	5.4
530.705	23 x 0.9H x 2.4W RCBC	240.450	240.425	0.5	4.8	241.77	241.44	2.03	200	5.4
531.132	12 x 1.2H x 2.4W RCBC	240.125	240.100	0.5	4.8	241.76	241.32	2.38	200	7.2
531.543	12 x 0.9H x 2.4W RCBC	240.435	240.410	0.5	4.8	241.71	241.39	1.99	200	5.4
531.757	10 x 0.9H x 1.8W RCBC	240.525	240.495	0.6	4.8	241.77	241.27	2.24	200	5.4
531.906	6 x 0.9H x 2.4W RCBC	240.725	240.700	0.5	4.8	241.83	241.49	2.07	200	5.4
532.351	2 x 0.9H x 2.4W RCBC	241.200	241.101	0.6	16.9	242.19	241.57	2.41	200	5.4
533.149	1 x 1.2H x 2.4W RCBC	241.740	241.675	0.4	16.9	243.29	242.40	2.91	300	9.6
533.611	5 x 0.9H x 2.4W RCBC	241.985	241.938	0.3	16.9	243.34	242.86	2.31	200	5.4
534.776	2 x 1.1H x 3W RCBC	242.218	242.193	0.5	4.8	243.64	242.90	2.70	200	6.6
535.106	1 x 0.9H x 1.8W RCBC	242.225	242.200	0.5	4.8	243.67	242.82	2.70	300	3.6
536.243	6 x 0.9H x 1.8W RCBC	242.090	242.065	0.5	4.8	243.30	242.79	2.48	200	5.4
536.539	6 x 1.2H x 2.4W RCBC	241.850	241.825	0.5	4.8	243.21	242.87	2.09	200	7.2

Structure ID	Configuration	US Invert (mAHD)	DS Invert (mAHD)	Slope (%)	Barrel Length (m)	1% AEP US Flood Level (mAHD)	1% AEP DS Flood Level (mAHD)	1% AEP Velocity (m/s)	Outlet Scour - D ₅₀ (mm)	Outlet Scour - Apron Length (m)
536.891	2 x 0.9H x 2.4W RCBC	242.475	242.450	0.5	4.8	243.39	243.10	1.93	200	5.4
537.571	2 x 0.9H x 1.8W RCBC	243.975	243.950	0.5	4.8	244.98	244.61	2.16	200	5.4
537.993	1 x 0.6H x 1.8W RCBC	245.639	245.614	0.5	4.8	246.07	245.99	1.26		
538.563	3 x 0.45H x 0.6W RCBC	249.525	249.500	0.5	4.8	249.52	249.66	0.62		
539.013	3 x 1.2H x 2.4W RCBC	251.165	251.105	1.2	4.8	252.24	252.00	1.76	200	7.2
539.707	1 x 0.6H x 1.8W RCBC	255.903	255.870	0.7	4.8	255.90	255.87	1.65	100	1.8
540.226	1 x 0.6H x 1.8W RCBC	258.373	258.348	0.5	4.8	258.37	258.35	2.57	200	1.8
542.605	2 x 0.6H x 1.8W RCBC	253.259	253.235	0.5	4.8	253.93	253.66	1.79	100	3.6
543.766	3 x 0.45H x 0.6W RCBC	247.367	247.342	0.5	4.8	247.87	247.57	1.61	100	2.7
544.452	1 x 0.6H x 1.8W RCBC	244.616	244.592	0.5	4.8	245.12	245.17	0.90		
545.968	10 x 0.6H x 1.8W RCBC	239.637	239.613	0.5	4.8	240.51	240.13	1.88	100	3.6
546.542	8 x 1.2H x 3.3W RCBC	238.434	238.410	0.5	4.8	239.86	239.52	2.09	200	7.2
546.812	3 x 0.6H x 1.8W RCBC	238.859	238.834	0.5	4.8	239.71	239.51	1.57		
547.282	1 x 0.6H x 1.8W RCBC	238.267	238.243	0.5	4.8	239.41	238.61	3.92	400	4.8
NWL.210.000	6 x 0.45H x 1.2W RCBC	281.350	281.190	3.0	4.8	282.31	281.99	2.26	200	2.7
NWL.250a	17 x 0.45H x 1.2W RCBC	282.124	282.100	0.5	4.8	283.05	282.75	1.85	100	3.6
NWL.250b	16 x 0.45H x 1.2W RCBC	282.233	282.208	0.5	4.8	283.05	282.86	1.85	100	3.6
NWL.2975.000	20 x 0.45H x 1.2W RCBC	298.902	298.878	0.5	4.8	299.25	299.24	0.64	100	2.7
NWL.3300.000	14 x 0.45H x 1.2W RCBC	300.590	300.566	0.5	4.8	300.99	300.56	1.32		
NWL.400a	9 x 0.6H x 1.5W RCBC	282.233	282.208	0.5	4.8	283.10	282.94	1.85	100	3.6
NWL.4633.000	1 x 0.6H x 1.2W RCBC	305.375	305.267	0.8	14.4	305.65	305.29	1.46		
NWL.700.000a	10 x 0.8H x 2.4W RCBC	283.500	283.476	0.5	4.8	284.06	283.98	1.26		
NWL.700.000b	8 x 0.8H x 2.4W RCBC	283.370	283.366	0.1	4.8	284.00	283.87	1.26		
NWL.700.000c	7 x 0.8H x 2.4W RCBC	283.600	283.576	0.5	4.8	284.15	284.05	1.26		
NWL.800.000	13 x 0.8H x 2.4W RCBC	283.928	283.904	0.5	4.8	284.65	284.51	1.20		
NWL1.380a	5 x 1.5H x 3W RCBC	286.030	286.006	0.5	4.8	286.48	286.43	0.98		
NWL1.380b	4 x 1.5H x 3W RCBC	286.130	286.106	0.5	4.8	286.50	286.49	0.98		
NWL1.640a	7 x 0.9H x 2.4W RCBC	284.725	284.701	0.5	4.8	285.39	285.37	1.13		
NWL1.640b	7 x 0.9H x 2.4W RCBC	284.725	284.701	0.5	4.8	285.36	285.34	1.13		
NWL1.640c	6 x 0.9H x 2.4W RCBC	284.725	284.701	0.5	4.8	285.29	285.28	1.13		
NWL1.820c	5 x 1.2H x 3W RCBC	284.375	284.351	0.5	4.8	285.41	285.39	1.77	200	7.2
NWL1.820d	5 x 1.1H x 3W RCBC	284.475	284.451	0.5	4.8	285.37	285.12	1.77	200	7.2
NWL1.820e	5 x 1.1H x 3W RCBC	284.475	284.451	0.5	4.8	285.34	285.19	1.77	200	7.2
NWL1.820f	5 x 1.1H x 3W RCBC	284.475	284.451	0.5	4.8	285.35	285.21	1.77	200	7.2
NWL1.820g	5 x 1.1H x 3W RCBC	284.475	284.451	0.5	4.8	285.35	285.23	1.77	200	7.2
NWL1.820h	5 x 1.2H x 3W RCBC	284.375	284.351	0.5	4.8	285.40	285.35	1.77	200	7.2
NWL1.820i	3 x 1.2H x 3W RCBC	284.375	284.351	0.5	4.8	285.42	285.39	1.77	200	7.2
NWL1375.000	11 x 0.45H x 1.2W RCBC	289.107	288.963	1.0	14.4	289.91	289.26	1.32	100	2.7