

## **Appendix B – Hydraulic Calculations**

- WSPG Model
  - PStorage Lateral 2 (LAT2.WSW)

T1 PUBLIC STORAGE - SUMMERLIN PHASE II

0

T2 PSTORAGE LATERAL 2

T3 KHA JOB# 192016000 BY: KH (REFERENCED HGL FROM CROSSINGS PHASE VII STUDY = 2807.48)

S0	1000.0002802.320	24								2807.48			
R	1009.3932802.414	24			.013				.000		.000	0	
R	1014.3932802.544	18			.013				.000		.000	1	
R	1042.4472803.737	18			.013				.000		.000	0	
R	1047.4472803.949	18			.013				.000		-45.000	1	
R	1061.0652804.528	18			.013				.000		.000	0	
SH	1061.0652804.528	18											
CD	18	4	0	.000	1.500	.000	.000	.000	.000	.000	.00		
CD	24	4	0	.000	2.000	.000	.000	.000	.000	.000	.00		
CD	30	4	0	.000	2.500	.000	.000	.000	.000	.000	.00		
CD	36	4	0	.000	3.000	.000	.000	.000	.000	.000	.00		
CD	42	4	0	.000	3.500	.000	.000	.000	.000	.000	.00		
CD	48	4	0	.000	4.000	.000	.000	.000	.000	.000	.00		
CD	54	4	0	.000	4.500	.000	.000	.000	.000	.000	.00		
CD	60	4	0	.000	5.000	.000	.000	.000	.000	.000	.00		
CD	66	4	0	.000	5.500	.000	.000	.000	.000	.000	.00		
CD	72	4	0	.000	6.000	.000	.000	.000	.000	.000	.00		
Q				7.000	.0								

Station	Invert Elev	Depth (FT)	Water Elev	Q (CFS)	Vel (FPS)	Vel Head	Energy Grd. El.	Super Elev	Critical Depth	Flow Top Width	Height/Dia. -FT	Base Wt or I.D.	ZL	No Wth Prs/Pip
L/Elem	Ch Slope					SF Ave	HF	SE Dpth	Froude N	Norm Dp	"N"	X-Fall	ZR	Type Ch
1000.000	2802.320	5.160	2807.480	7.00	2.23	.08	2807.56	.00	.94	.00	2.000	.000	.00	0 .0
9.393	.0100					.0010	.01	5.16	.00	.76	.013	.00	.00	PIPE
1009.393	2802.414	5.075	2807.489	7.00	3.96	.24	2807.73	.00	1.02	.00	1.500	.000	.00	0 .0
5.000	.0260					.0044	.02	5.07	.00	.67	.013	.00	.00	PIPE
1014.393	2802.544	4.979	2807.523	7.00	3.96	.24	2807.77	.00	1.02	.00	1.500	.000	.00	0 .0
28.054	.0425					.0044	.12	4.98	.00	.59	.013	.00	.00	PIPE
1042.447	2803.737	3.911	2807.648	7.00	3.96	.24	2807.89	.00	1.02	.00	1.500	.000	.00	0 .0
5.000	.0424					.0044	.02	3.91	.00	.59	.013	.00	.00	PIPE
1047.447	2803.949	3.770	2807.719	7.00	3.96	.24	2807.96	.00	1.02	.00	1.500	.000	.00	0 .0
13.618	.0425					.0044	.06	3.77	.00	.59	.013	.00	.00	PIPE
1061.065	2804.528	3.251	2807.779	7.00	3.96	.24	2808.02	.00	1.02	.00	1.500	.000	.00	0 .0