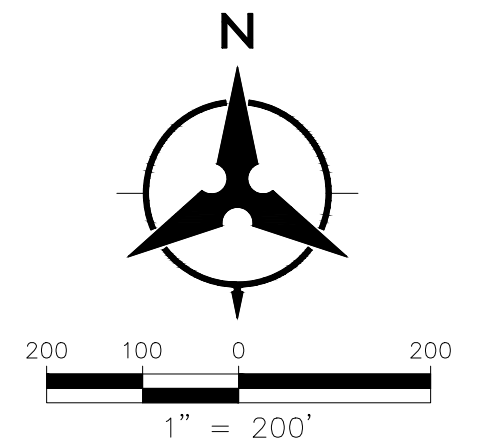


UPDATED BASIN SUMMARY TABLE TO ACCOUNT FOR THE ADDITION OF 5 LOTS TO MONTAGE UNIT 3B

BASIN SUMMARY														
BASIN	AREA	REV	ORIGINAL	% LAND TREATMENT				DISCHARGE (CFS)			STORMWATER VOLUME			
I.D.	(AC)	UNITS	UNITS	A	B	C	REV-D	ORIG-D	10 YR	100YR	ORIG-100YR	100 YR 6HR	100 YR 10-DAY	100Y-10D
Basin A-1	5.8	32	32	0.0%	23.0%	24.0%	53.0%	53.0%	13.29	21.83	21.83	0.76	1.17	1.17
Basin A-2	4.7	21	21	0.0%	27.0%	27.0%	46.0%	46.0%	10.16	17.01	17.01	0.58	0.87	0.87
Basin A-3	4.4	17	17	0.0%	29.5%	29.5%	41.0%	41.0%	9.11	15.49	15.49	0.53	0.77	0.77
Basin A-4	5.2	24	24	0.0%	26.5%	26.5%	47.0%	47.0%	11.33	18.92	18.92	0.65	0.98	0.98
Basin A-5	4.4	16	15	0.0%	30.4%	30.4%	39.2%	38.0%	8.97	15.33	15.22	0.52	0.75	0.74
Basin A-6	3.2	10	9	0.0%	34.1%	34.1%	31.9%	31.9%	7.05	12.35	12.21	0.41	0.57	0.55
Basin B-1	9.3	52	47	0.0%	23.1%	23.1%	53.0%	47.0%	21.43	35.13	33.85	1.23	1.90	1.75
Basin B-2	2.2	0	0	0.0%	22.4%	22.4%	55.2%	57.0%	10.47	17.11	17.27	0.60	0.93	0.95
Basin B-3	4.5	26	27	0.0%	22.4%	22.4%	55.2%	57.0%	10.47	17.11	17.27	0.60	0.93	0.95
Basin B-4	4.6	23	24	0.0%	25.3%	25.3%	49.5%	51.0%	10.23	16.97	17.11	0.59	0.89	0.91
Basin B-5	6.6	28	29	0.0%	28.1%	28.1%	43.8%	45.0%	14.00	23.60	23.76	0.81	1.19	1.21
Basin B-6	3.7	10	9	0.0%	34.1%	34.1%	31.9%	30.0%	7.05	12.35	12.21	0.41	0.57	0.55
Basin B-7	2.9	11	10	0.0%	29.8%	29.8%	40.4%	38.0%	5.97	10.17	10.03	0.34	0.50	0.48
Basin C	0.8	0	0	0.0%	35.0%	35.0%	25.0%	25.0%	3.96	7.09	7.09	0.23	0.30	0.30
Basin M	2.2	4	4	0.0%	35.0%	35.0%	25.0%	25.0%	3.96	7.09	7.09	0.23	0.30	0.30
Future Basin 1	8.8	n/a	n/a	0.0%	24.5%	24.5%	51.0%	51.0%	19.81	32.73	32.73	1.14	1.73	1.73
Future Basin 2	7.7	n/a	n/a	0.0%	24.5%	24.5%	51.0%	51.0%	17.34	28.64	28.64	0.99	1.52	1.52
Future Basin 3	10.3	n/a	n/a	0.0%	24.5%	24.5%	51.0%	51.0%	23.19	38.31	38.31	1.33	2.03	2.03
Future Basin 4	13.1	n/a	n/a	0.0%	24.5%	24.5%	51.0%	51.0%	29.50	48.72	48.72	1.69	2.58	2.58
Future Basin 5	61.1	n/a	n/a	0.0%	24.5%	24.5%	51.0%	51.0%	137.57	227.24	227.24	7.89	12.04	12.04
Future Basin 6	36.6	n/a	n/a	0.0%	12.5%	12.5%	75.0%	75.0%	98.28	153.64	153.64	5.58	9.24	9.24
TOTAL	202.1	286	281	5	<-Lot difference				404.25	764.77	764.57	26.50	43.00	42.85
									Montage 3B Difference	12		6.72	0.14	6.58
									Percentage Difference	0.93%		2.12%		

MESA DEL SOL NEIGHBORHOOD MONTAGE UNITS 3 & 4 DEVELOPED CONDITIONS UPDATED BASIN MAP 10/2018



LEGEND	
	PROPOSED BASIN BOUNDARY
	EXISTING BASIN BOUNDARY
	BASIN FLOW DIRECTION

PREVIOUS BASIN SUMMARY TABLE FROM 2014

BASIN I.D.	AREA (AC)	DISCHARGE (CFS)		STORMWATER VOLUME	
		100YR	ORIG-100YR	100 YR 6HR	100 YR 10-DAY
Basin A-1	5.8	21.83	21.83	0.76	1.17
Basin A-2	4.7	17.01	17.01	0.58	0.87
Basin A-3	4.4	15.49	15.49	0.53	0.77
Basin A-4	5.2	18.92	18.92	0.65	0.98
Basin A-5	4.4	15.22	15.22	0.51	0.74
Basin A-6	3.2	10.75	10.75	0.36	0.50
Basin B-1	9.3	33.85	33.85	1.16	1.75
Basin B-2	2.2	7.96	7.96	0.27	0.41
Basin B-3	4.5	17.27	17.27	0.61	0.95
Basin B-4	4.6	17.11	17.11	0.59	0.91
Basin B-5	6.6	23.76	23.76	0.81	1.21
Basin B-6	3.7	12.21	12.21	0.40	0.55
Basin B-7	2.9	10.03	10.03	0.34	0.48
Basin C	0.8	2.80	2.80	0.09	0.14
Basin M	2.2	7.09	7.09	0.23	0.30
Future Basin 1	8.8	32.73	32.73	1.14	1.73
Future Basin 2	7.7	28.64	28.64	0.99	1.52
Future Basin 3	10.3	38.31	38.31	1.33	2.03
Future Basin 4	13.1	48.72	48.72	1.69	2.58
Future Basin 5	61.1	227.24	227.24	7.89	12.04
Future Basin 6	36.6	153.64	153.64	5.58	9.24

POND SUMMARY - FULLY DEVELOPED CONDITIONS			
POND	MAX WSE	REQ'D STORAGE VOLUME (AC-FT)	MAX DEPTH (FT)
1 (Future)		12.04	
2A	5300.0	3.98	5.5
2B	5300.0	7.82	11.0
3	5300.0	8.54	11.0
4	5297.0*	19.04	14"

* Denotes pond to be designed in future

POND SUMMARY - REQUIRED VOLUMES FOR UNITS 3 AND 4				
POND	MAX WSE	REQ'D STORAGE VOLUME (AC-FT)	MAX DEPTH (FT)	MAX AVAILABLE VOLUME (AC-FT)
1 (Future)	NOT NEEDED	0.00	N/A	N/A
2A	5300.0	3.98	N/A	4.1
2B	5300.0	7.82	11.0	10.1
3	5300.0	8.54	11.0	10.1
4	5297.0	6.26	8.0	10.2

- NOTES:
- EXISTING POND 2A HAS ALREADY BEEN CONSTRUCTED AND CERTIFIED TO THE ABOVE VOLUME.
 - EXISTING POND 4 HAS BEEN CONSTRUCTED, AND CERTIFIED TO THE ABOVE VOLUME.
 - PONDS 2B AND 3 WILL BE UPSIZED BY THIS PROJECT TO ACCOMMODATE FLOWS FROM UNITS 3 AND 4 AS WELL AS EXISTING UNITS 1 AND 2.