

TABLE 6

NORTH VINEYARD STATION SPECIFIC PLAN

DRAINAGE MASTER PLAN
UPDATE AND PHASING

DETENTION BASIN PARAMETERS
PHASE E (STAND-ALONE) CONDITIONS

Basin Parameters	Basin Name				
	E24A	E24B	E26	G41	G46
Basin Site (ac)	14	7.1	22	11	17
Basin Description	Online W.Q./ Combined F.C.	Online W.Q./ Combined F.C.	Online W.Q./F.C.	Online W.Q./ Combined F.C.	Online W.Q./ Combined F.C.
UNET Storage Area Number	11	6	5	10	8
Bottom Elevation	33.5	36	39.5	38.5	47.5
Maximum Side Slopes	4:1	4:1	4:1 and 3:1	4:1	4:1
Basin Equation	$4.84y + 0.487y^2$	$4.74y + 0.0925y^2$	$9.6y + 0.16y^2$	$5.46y + 0.0389y^2$	$11.48y + 0.0028y^2$
Water Quality Volume (ac-ft)	7.2	2.3	17	8.7	17.1
Water Quality Pool Elevation	36.5	39	42.5	41.5	50.5
10-year Flood Control Volume	20.87	11.7	34.92	23.62	68.98
10-year Pool Elevation	39.75	41.36	45.94	45.7	56.5
100-year Flood Control Volume	62.12	33.71	53.68	54.95	89.83
100-year Pool Elevation	43.87	45.33	47.65	50.93	58.31
Total Weir Length (ft)	100	100	N/A	150	100
Segment 1 Weir Length and Elevation	100' @ 43.3'	100' @ 45.0'		150' @ 50.0'	100' @ 56.2'
Segment 2 Weir Length and Elevation	100' @ 43.5'				
Segment 3 Weir Length and Elevation					
Diameter of Outfall Pipe (in)	24	24	60	24	24