

TABLE 7

NORTH VINEYARD STATION SPECIFIC PLAN

DRAINAGE MASTER PLAN  
UPDATE AND PHASING

DETENTION BASIN PARAMETERS  
ULTIMATE 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	30	25	34.6	33.57	104.93
10-year Pool Elevation	40.82	43.82	45.91	47.4	59.62
100-year Flood Control Volume	43.2	30.37	48.32	34.87	105.39
100-year Pool Elevation	42.18	44.76	47.17	47.62	59.66
Total Weir Length (ft)	50	100	N/A	150	100
Segment 1 Weir Length and Elevation	50' @ 41.0'	100' @ 43.5'		150' @ 48.0'	100' @ 56.2'
Segment 2 Weir Length and Elevation					
Segment 3 Weir Length and Elevation					
Diameter of Outfall Pipe (in)	24	24	60	24	24