

TABLE 4

NORTH VINEYARD STATION SPECIFIC PLAN

DRAINAGE MASTER PLAN
UPDATE AND PHASING

DETENTION BASIN PARAMETERS
PHASE C CONDITIONS

Basin Parameters	Basin Name				
	E24A	E24B	E26	G41	G46
Basin Site (ac)	N/A	7.1	22	11	17
Basin Description	N/A	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	N/A	6	5	10	8
Bottom Elevation	N/A	36	39.5	38.5	47.5
Maximum Side Slopes	N/A	4:1	4:1 and 3:1	4:1	4:1
Basin Equation	N/A	$4.74y + 0.0925y^2$	$9.6y + 0.16y^2$	$5.46y + 0.0389y^2$	$11.48y + 0.0028y^2$
Water Quality Volume (ac-ft)	N/A	2.3	17	8.7	17.1
Water Quality Pool Elevation	N/A	39	42.5	41.5	50.5
10-year Flood Control Volume	N/A	15.32	47.55	23.79	59.77
10-year Pool Elevation	N/A	42.05	47.1	45.73	55.7
100-year Flood Control Volume	N/A	48.94	72.09	62.88	80.5
100-year Pool Elevation	N/A	47.81	49.25	52.2	57.5
Total Weir Length (ft)	N/A	100	N/A	150	N/A
Segment 1 Weir Length and Elevation	N/A	100' @ 47.3'		150' @ 51.9'	
Segment 2 Weir Length and Elevation	N/A				
Segment 3 Weir Length and Elevation	N/A				
Diameter of Outfall Pipe (in)	N/A	24	60	24	24