

Knocknamork -WF - Settlement Pond Designs						
Drainage area	Area (m ²)	Settlement Pond Dimensions*				
		L (m)	Depth (m)	Width (m)	Cross-Section Area (m ²)	Pond Volume (m ³)
X3	200-300	7.50	1.00	2.25	2.25	17
X2	300-400	10.00	1.00	3.25	3.25	33
C8, L3,	400-500	11.50	1.00	3.50	3.50	40
I2	600-700	12.75	1.00	4.25	4.25	54
D1, E3, F1, H3, O1, U1, X1	700-800	13.50	1.00	4.50	4.50	61
C1, E4, E5	800-900	15.00	1.00	4.50	4.50	68
C2, D2, H6, K1, M1, O2, T3,	900-1000	15.75	1.00	4.75	4.75	75
A1, C7, H2, L1, N3,	1000-1100	16.25	1.00	5.00	5.00	81
E2, Q2, Q3,	1100-1200	16.75	1.00	5.25	5.25	88
A2, C3, G1, I3, P1, U3, V3, W2	1200-1300	17.25	1.00	5.50	5.50	95
I4, J4, M2, N2, N4, Q1	1300-1400	18.25	1.00	5.50	5.50	100
E2, L2, V2	1400-1500	18.50	1.00	5.75	5.75	106
B1, H5	1500-1600	19.00	1.00	6.00	6.00	114
C6	1600-1700	20.00	1.00	6.00	6.00	120
E1, G2, T4	1700-1800	20.00	1.00	6.25	6.25	125
D3, H4, J3, U2	1800-1900	20.50	1.00	6.50	6.50	133
F2, H1, J1, N1	1900-2000	21.25	1.00	6.50	6.50	138
C4, C5, I1, J2, O3, O4, W1	2000-2100	21.50	1.00	6.75	6.75	145
T2, V1	2100-2200	21.50	1.00	7.00	7.00	151
G2, T1	2200-2300	21.75	1.00	7.25	7.25	158
SP-S1-1, SP-S1-2 (Proposed Borrow Pit x 2 SPs)	12735	50.00	1.00	16.00	16.00	1633
SP-R1-1, SP-R1-2 (Substation x 2 SPs)	16650	60.00	1.00	17.00	17.00	2075
SP-Z1-1, SP-Z1-2 (Permitted Borrow Pit x 2 SPs)	9919	45.00	1.00	14.50	14.50	1310
* for removal of particles up to 6 microns in size, and 4 microns in size for PS and BP areas, at 10°C.						