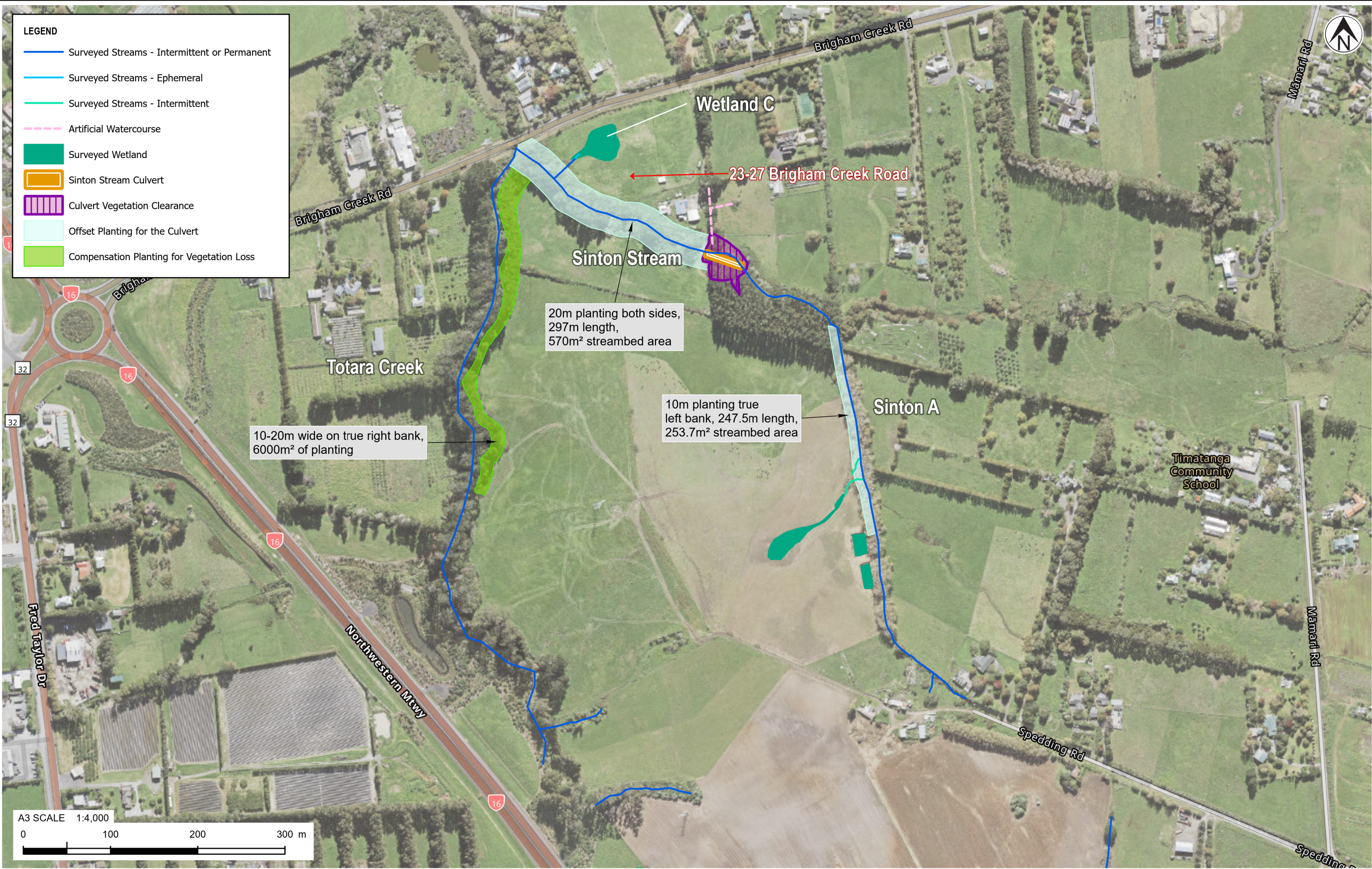


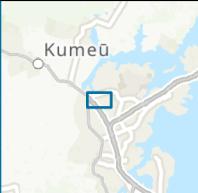




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NOTES:
Basemap NZ Hybrid Reference (Vector): Eagle Technology, LINZ, StatsNZ, NIWA, Natural Earth, © OpenStreetMap contributors.. NZ Topographic - Basemap Only: Eagle, LINZ, StatsNZ, OSM. NZ Imagery: Eagle Technology, Land Information New Zealand, GEBCO, Community maps contributors. NZ Topographic - Reference Labels: Eagle, OSM

0	First version	CHSA	JORB	18/04/23
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PROJECT No. 1012893.2000		
DESIGNED	CHSA	APR.23
DRAWN	CHSA	APR.23
CHECKED	JORB	APR.23

CLIENT	OYSTER CAPITAL LTD
PROJECT	WATERCARE PUMP STATION
TITLE	SINTON STREAM CULVERT COMPENSATION

SCALE (A3)	1:4,000	FIG No.	1	REV	0
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Planting Schedule													
Riparian planting zone	Botanical name	Common name	Spacing (m)	Grade	Composition (%)	Area A 445m2 2615m2	Area B 4547m2 17086m2	Area C 1052m2 10180m2	Area D 663m2 2885m2	Area E 812m2 5600m2	Area F 1042m2 4968m2	Area G 110m2 1290m2	Total Plants PROVISIONAL
Stream Edge	<i>Carex dissita</i>	Flat leaved sedge	0.7	2lt	20	187	1914	443	279	342	438	42	3645
	<i>Carex geminata</i>	Rautahi	0.7	2lt	20	187	1914	443	279	342	438	42	3645
	<i>Carex lesssoniana</i>	Spreading swamp sedge	0.7	2lt	25	234	2393	332	350	427	548	53	4337
	<i>Carex virgata</i>	Small swamp sedge	0.7	2lt	20	187	1914	443	279	342	438	42	3645
	<i>Cyperus ustulatus</i>	Giant umbrella sedge	0.7	2lt	15	140	1436	553	210	256	329	31	2955
Stream Bank (primary colonisers - year 1)	<i>Austroderia fulvida</i>	Toetoe	1	1.5lt	10	262	1081	1018	289	560	497	130	3837
	<i>Coprosma robusta</i>	Karamu	1	1.5lt	10	262	1081	1018	289	560	497	130	3837
	<i>Cordyline australis</i>	Cabbage tree (ti)	1	1.5lt	5	131	540	509	144	255	248	75	1902
	<i>Hebe stricta</i>	Koromiko	1	1.5lt	5	131	540	509	144	255	248	75	1902
	<i>Kunzea robusta</i>	Kanuka	1	1.5lt	30	786	2703	2545	721	1530	1488	390	10163
	<i>Leptospermum scoparium</i>	Manuka	1	1.5lt	15	393	1622	1527	433	765	744	195	5679
	<i>Meliclytus ramiflorus</i>	Mahoe	1	1.5lt	5	131	540	509	144	255	248	75	1902
	<i>Myrsine australis</i>	Mapou	1	1.5lt	5	131	540	509	144	255	248	75	1902
	<i>Phormium tenax</i>	Harakeke	1	1.5lt	15	393	1622	1527	433	765	744	195	5679
Stream Bank (Enrichment planting - year 3) #	shrub/small tree species												
	<i>Carpodetus serratus</i>	Putaputaweta	4	1.5lt	10	19	32	72	20	40	35	9	227
	<i>Coprosma rhamnoides</i>	Twiggy coprosma	4	1.5lt	5	9	16	36	10	20	18	5	114
	<i>Cyathea dealbata</i>	Ponga	4	1.5lt	10	19	32	72	20	40	35	9	227
	<i>Cyathea medullaris</i>	Mamaku	4	1.5lt	20	37	64	144	40	80	70	18	453
	<i>Dicksonia squarrosa</i>	Wheki	4	1.5lt	10	19	32	72	20	40	35	9	227
	<i>Geniostoma rupestre</i>	Hangehange	4	1.5lt	10	19	32	72	20	40	35	9	227
	<i>Hedycarya arborea</i>	Pigeonwood	4	1.5lt	10	19	32	72	20	40	35	9	227
	<i>Rhopalostylis sapida</i>	Nikau	4	1.5lt	10	19	32	72	20	40	35	9	227
	<i>Schefflera digitata</i>	Pate	4	1.5lt	15	28	48	109	30	60	53	14	342
	canopy layer species												
	<i>Alectryon excersum</i>	Titoki	8	2lt	10	5	20	18	5	10	9	2	69
	<i>Corynocarpus laevigatus</i>	Karaka	8	2lt	10	5	20	18	5	10	9	2	69
	<i>Dacrycarpus dacrydioides</i>	Kahikatea	8	2lt	25	12	49	46	13	26	22	5	173
	<i>Dysoxylum spectabile</i>	Kohekohe	8	2lt	15	7	30	27	8	15	14	3	104
	<i>Podocarpus totara</i>	Totara	8	2lt	20	10	40	36	10	21	18	4	139
	<i>Sophora microphylla</i>	Kowhai	8	2lt	10	5	20	18	5	10	9	2	69
	<i>Vitex lucens</i>	Puriri	8	2lt	10	5	20	18	5	10	9	2	69
Low Edge RWP01													
	<i>Arthropodium cirratum</i>	Rengarenga	0.7	2lt	20			155					155
	<i>Carex virgata</i>	Small swamp sedge	0.7	2lt	20			155					155
	<i>Carex testacea</i>		0.7	2lt	10			77					77
	<i>Coprosma prostrata</i>		0.7	2lt	15			116					116
	<i>Dianella nigra</i>	Turutu	0.7	2lt	10			77					77
	<i>Phormium 'Green Dwarf'</i>		0.7	2lt	25			194					194
Notes: Enrichment planting shall be treated as 2 separate layers of planting with the shrub/small tree layer plated at 4m crs throughout and the tree canopy layer as a separate layer at 8m crs													Provisional plant numbers