

CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK;

CONTRACTORS ARE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UNDERGROUND SERVICES ON SITE PRIOR TO COMMENCING WORK;

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

PLANTING PLANS HAVE BEEN REVIEWED AND FOUND TO ADHERE WITH KIWIRAIL STANDARDS, INCLUDING THE INTEGRATED VEGETATION MANAGEMENT PLAN, TREESCAPE 2018.

REFER TO CIVIL DRAWING 80504522-C4-0402_G410 FOR RIPRAP DETAILS.

MIX 01- ENTRANCE MIX 03- HARAKEKE

MIX 04- PATH EDGE

MIX 05- BOUNDARY MIX 06- RETAINING WALL

MIX 07- GULLY

MIX 08- ENRICHMENT OF EXISTING BUSH - LOOKOUT AREA

MIX 08a- ENRICHMENT OF EXISTING BUSH - ST JOHNS STREAM

MIX 09- PATH EDGE LOOKOUT

MIX 10- WILLOW WETLAND RESTORATION MIX 11- LOOKOUT

MIX 12- MEADOW

MIX 12a- MEADOW EDGE MIX 13- WETLAND RESTORATION

MIX 14- RAIL EDGE SOUTH MIX 15- RAIL EDGE NORTH MIX 16- RAIL EDGE SETBACK

MIX 17- ENRICHMENT LOWLAND RIPARIAN MIX 18- MANUKA SHRUBLAND

MIX 19- LOWLAND RIPARIAN FOREST MIX 20- BISHOP SELWYN SITE

MIX 21- COASTAL SHRUB MIX 22- PATH EDGE TAHAPA RESERVE MIX 23- ENRICHMENT

MIX 24- COASTAL ESCARPMENT MIX 24a- COASTAL ESCARPMENT
- MEADOWBANK CLIFF

MIX 25- COASTAL POHUTUKAWA BANK

MIX 26- BOARDWALK HIGH MIX 27- BOARDWALK LOW

GRASS GEXISTING TREE RIPRAP

21.04.20 FOR CONSTRUCTION REV DATE DESCRIPTION

FOR CONSTRUCTION

Design MLe Drawn LCh Check MLe

1:4000 @ A1 21.04.2020 1:8000 @ A3

CONSULTANTS

AUCKLAND TRANSPORT

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TE ARA KI UTA KI TAI Section 2

PLANTING LOCATION PLAN

DRAWING NO.

REVISION

		Tamaki Drive Cycleway MIXES FOR SECTION 2				
Code	Botanical Name	Common Name	Size	%	Cntrs	Quanti
		MIX 01 ENTRANCE				
Ca.sec	Carex secta*	Purei	0.5L	30.0	700	191
Ca.vir	Carex virgata*	Pukio	0.5L	20.0	800	98
Co.poo	Coprosma repens prostrate*	Taupata (Prostrate form)	0.5L	15.0	600	130
Ph.coo	Phormium cookianum subsp. Hookeri^ *Place typically beside path, set back the distance f			35.0	1500	49
	^ Where planting occurs beside the path, set back th	ne distance from the path provided for pl	ant spacings ('C	Cntrs')		
Ap.sim	Apodasmia similis*	MIX 03 HARAKEKE Oioi	0.5L	30.0	700	104
Ph. coo	Phormium cookianum subsp. Hookeri*^	Wharariki	0.5L	50.0	1500	38
Ph.ten	Phormium tenax^	Harakeke	0.5L	20.0	2000	9
rn.ten				20.0	2000	3
	*Place typically beside path, set back the distance f ^ Where planting occurs beside the path, set back the			intrs')		
		MIX 04 PATH EDGE				
Ap.sim	Apodasmia similis	Oioi	0.5L	65.0	700	2088
Co.poo	Coprosma repens prostrate*	Taupata (Prostrate form)	0.5L	35.0	600	1530
co.poo	*Place typically beside path, set back the distance fi			00.0		1000
		MIX 05 BOUNDARY				
Ar.cir	Arthropodium cirratum*	Rengarenga	0.5L	10.0	700	619
Ca.sec	Carex secta*	Purei	0.5L	20.0	700	1237
······································	Coprosma robusta	Karamuramura	0.5L	15.0	1500	202
Co.rob	Hebe stricta	Koromiko	0.5L	5.0		67
He.str		actories to resource and control			1500	
Me.ram	Melicytus ramiflorus	Mahoe	0.5L	10.0	1500	135
Ph. coo	Phormium cookianum subsp. Hookeri* ^	Wharariki	0.5L	10.0	1500	135
Ph.ten	Phormium tenax^	Harakeke	0.5L	5.0	2000	38
Pi.eug	Pittosporum eugenioides	Lemonwood	0.5L	10.0	1500	135
Po.kum	Pomaderris kumeraho	Kumera hou	0.5L	5.0	1500	67
Ps.les	Pseudopanax lessonii	Houpara	0.5L	10.0	1500	135
	* Place typically beside path, set back the distance fi					
	^ Where planting occurs beside the path, set back th	ne distance from the path provided for pl	ant spacings ('C	intrs')		
Ca.vir	Carex virgata	MIX 06 RETAINING WALL Pukio	0.5L	35.0	800	10
127		Taupata (Prostrate form)	0.5L	65.0	600	35
Co.poo	Coprosma repens prostrate	raupata (Prostrate form)	U.SL	05.0	000	35
		MIX 07 GULLY				
Ca.vir	Carex virgata	Pukio	0.5L	20.0	800	62
Dy.spe	Dysoxylum spectabile	Kohekohe	5L	10.0	2000	5
Ku.rob	Kunzea linearis	Kanuka	0.5L	20.0	1500	18
Me.ram	Melicytus ramiflorus	Mahoe	0.5L	30.0	1500	26
Sc.dig	Schefflera digitata	Pate	0.5L	10.0	1500	9
	Tecomanthe speciosa*	Mark Colonia C	2L	5.0	1200	7
Te.spe		Akapukaea	100.00		4.000.500.00	FI
Vi.luc	Vitex lucens *Place at base of MSE wall to train over the vertical	Puriri surface	5L	5.0	3000	3
	MIV OR ENDICHMENT OF EVICTING DUCK	L LOOKOUT AREA (assumes 20%)	unichmant a	f conc and	adaas)	
Co.rob	MIX 08 ENRICHMENT OF EXISTING BUSH Coprosma robusta*	Karamuramura	0.5L	12.0	1500	31
Da.cup	Dacrydium cupressinum	Rimu	5L	5.0	2500	5
Ku.rob	Kunzea linearis*	Kanuka	0.5L	24.0	1500	62
	Geniostoma ligustrifolium var. ligustrifolium	Hangehange	0.5L	5.0	1500	13
Ge.lig					2500	4
1011	Hedycarya arborea	Porokaiwhiri	5L	4.0		1
He.arb	Hedycarya arborea	Porokaiwhiri Rewarewa	5L 5L	10.0	2000	14
He.arb Kn.exc	Hedycarya arborea Knightia excelsa	Rewarewa	5L	10.0	2000	
He.arb Kn.exc Ma.exc	Hedycarya arborea Knightia excelsa Macropiper excelsum	Rewarewa Kawakawa	5L 0.5L	10.0 4.0	2000 1500	10
He.arb Kn.exc Ma.exc My.aus	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis*	Rewarewa Kawakawa Mapou	5L 0.5L 0.5L	10.0 4.0 8.0	2000 1500 1500	10 21
He.arb Kn.exc Ma.exc My.aus Ph.tri	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides	Rewarewa Kawakawa Mapou Tanekaha	5L 0.5L 0.5L 5L	10.0 4.0 8.0 10.0	2000 1500 1500 2000	10 21 14
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara	Rewarewa Kawakawa Mapou Tanekaha Tōtara	5L 0.5L 0.5L 5L	10.0 4.0 8.0 10.0 12.0	2000 1500 1500 2000 2500	10 21 14 11
He.arb Kn.exc Ma.exc My.aus Ph.tri	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides	Rewarewa Kawakawa Mapou Tanekaha	5L 0.5L 0.5L 5L	10.0 4.0 8.0 10.0	2000 1500 1500 2000	10 21 14
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri	5L 0.5L 0.5L 5L 5L	10.0 4.0 8.0 10.0 12.0 6.0	2000 1500 1500 2000 2500 3000	10 21 14 11
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20%	5L 0.5L 5L 5L 5L	10.0 4.0 8.0 10.0 12.0 6.0	2000 1500 1500 2000 2500 3000	10 21 14 11 4
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga	5L 0.5L 0.5L 5L 5L 5L 2L	10.0 4.0 8.0 10.0 12.0 6.0 of gaps and	2000 1500 2000 2500 3000 d edges)	10 21 14 11 4
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono	5L 0.5L 0.5L 5L 5L 5L 2L 2L	10.0 4.0 8.0 10.0 12.0 6.0 of gaps and 4.0 8.0	2000 1500 1500 2000 2500 3000 d edges) 1200 1500	10 21 14 11 4 5 7
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga	5L 0.5L 0.5L 5L 5L 5L 2L 2L 5L	10.0 4.0 8.0 10.0 12.0 6.0 of gaps and 4.0 8.0 6.0	2000 1500 2000 2500 3000 d edges) 1200 1500 2000	10 21 14 11 4 5 7 3
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku	5L 0.5L 5L 5L 5L 5L 2L 2L 5L	10.0 4.0 8.0 10.0 12.0 6.0 of gaps and 4.0 8.0 6.0 4.0	2000 1500 2000 2500 3000 d edges) 1200 1500 2000	10 21 14 11 4 5 7 3
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Da.cup	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu	5L 0.5L 5L 5L 5L 5L 5L 5L 5L 5L 5L	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 6.0 4.0 8.0	2000 1500 2000 2500 3000 d edges) 1200 1500 2000 2000 2500	10 21 14 11 4 5 7 3 3
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Da.cup	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku	5L 0.5L 5L 5L 5L 5L 2L 2L 5L	10.0 4.0 8.0 10.0 12.0 6.0 of gaps and 4.0 8.0 6.0 4.0	2000 1500 2000 2500 3000 d edges) 1200 1500 2000	10 21 14 11 4 5 7 3
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Cy.med Da.cup Dy.spe	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu	5L 0.5L 5L 5L 5L 5L 5L 5L 5L 5L 5L	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 6.0 4.0 8.0	2000 1500 2000 2500 3000 d edges) 1200 1500 2000 2000 2500	10 21 14 11 4 5 7 3 3
Ma.exc My.aus Ph.tri Po.tot	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum Dysoxylum spectabile	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu Kohekohe	5L 0.5L 0.5L 5L	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 4.0 8.0 10.0	2000 1500 2000 2500 3000 d edges) 1200 1500 2000 2000 2500 2000	10 21 14 11 4 5 7 3 3 3 5
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Cy.med Da.cup Dy.spe Fr.ban	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum Dysoxylum spectabile Freycinetia banksii*	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu Kohekohe Kiekie	5L 0.5L 5L 5L 5L 5L 5L 5L 5L 5L 5L	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 4.0 8.0 10.0 4.0	2000 1500 2000 2500 3000 4 edges) 1200 1500 2000 2500 2000 700	10 21 14 11 4 5 7 3 3 3 5 15
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Cy.med Da.cup Dy.spe Fr.ban Ma.exc	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum Dysoxylum spectabile Freycinetia banksii* Macropiper excelsum	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu Kohekohe Kiekie Kawakawa	5L 0.5L 5L 5	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 4.0 8.0 10.0 4.0	2000 1500 2000 2500 3000 d edges) 1200 1500 2000 2000 2000 2000 700 1500	10 21 14 11 4 5 7 3 3 3 5 15 8
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Cy.med Da.cup Dy.spe Fr.ban Ma.exc Me.ram Pr.tax	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum Dysoxylum spectabile Freycinetia banksii* Macropiper excelsum Melicytus ramiflorus Prumnopitys taxifolia	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu Kohekohe Kiekie Kawakawa Mahoe Matai	5L 0.5L 5L 5	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 6.0 4.0 8.0 10.0 4.0 10.0 10.0	2000 1500 2000 2500 3000 2500 1200 1500 2000 2000 2000 700 1500 1500	10 21 14 11 4 5 7 3 3 3 5 15 8 13
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Cy.med Da.cup Dy.spe Fr.ban Ma.exc Me.ram Pr.tax Sc.dig	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum Dysoxylum spectabile Freycinetia banksii* Macropiper excelsum Melicytus ramiflorus Prumnopitys taxifolia Schefflera digitata*	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu Kohekohe Kiekie Kawakawa Mahoe Matai Pate	5L 0.5L 5L 5	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 4.0 4.0 4.0 10.0 4.0 10.0 4.0 8.0 10.0 4.0 8.0	2000 1500 2000 2500 3000 2500 1200 1500 2000 2000 2000 2000 700 1500 1500 2500 1500	10 21 14 11 4 5 7 3 3 3 5 15 8 13 3 7
He.arb Kn.exc Ma.exc My.aus Ph.tri Po.tot Vi.luc Cl.pan Co.gra Cy.dea Cy.dea Cy.med Da.cup Dy.spe Fr.ban Ma.exc Me.ram Pr.tax	Hedycarya arborea Knightia excelsa Macropiper excelsum Myrsine australis* Phyllocladus trichomanoides Podocarpus totara Vitex lucens *Plant in more exposed places MIX 08a ENRICHMENT OF EXISTING BUSH Clematis paniculata~ Coprosma grandiflora Cyathea dealbata Cyathea medullaris Dacrydium cupressinum Dysoxylum spectabile Freycinetia banksii* Macropiper excelsum Melicytus ramiflorus Prumnopitys taxifolia	Rewarewa Kawakawa Mapou Tanekaha Tōtara Puriri - ST JOHNS STREAM (assumes 20% Puawānanga Kanono Ponga Mamaku Rimu Kohekohe Kiekie Kawakawa Mahoe Matai	5L 0.5L 0.5L 5L 5	10.0 4.0 8.0 10.0 12.0 6.0 4.0 8.0 4.0 4.0 4.0 10.0 4.0 10.0 10.0 16.0 8.0	2000 1500 2000 2500 3000 2500 1200 1500 2000 2000 2000 700 1500 1500 2500	10 21 14 11 4 5 7 3 3 3 5 15 8 13 3

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		MIX 09 PATH EDGE LOOK						
Ca.sec	Carex secta*	Purei	0.5L	20.0	700	2.04	1.02	312
Ca.vir	Carex virgata*	Pukio	0.5L	12.0	800	1.56		143
Co.rob	Coprosma robusta	Karamuramura	0.5L	20.0	1500	0.44		68
He.str	Hebe stricta	Koromiko	0.5L	8.0	1500	0.44		27
Ph.coo	Phormium cookianum subsp. Hookeri^	Wharariki	0.5L	24.0	1500	0.44		81
Ps.les	Pseudopanax lessonii	Houpara	0.5L	16.0	1500	0.44		54
1 3.103	*Place typically beside path, set back the distance f							
	^Where planting occurs beside the path, set back th			ntro/l				
	where planting occurs beside the path, set back th	e distance from the path provided for	piunt spucings (C	ntrs j				
	MIV 10 WILL OW WITTIN	ND DESTORATION (assumes FOR	/ additional acu	fau	mu tuo ool			
•		ND RESTORATION (assumes 50%	1		'	2.70	1.00	2447
Ca.gem	Carex geminata	Cutty grass	0.5L	20.0	600	2.78	1.02	3417
Ca.sec	Carex secta	Purei	0.5L	10.0	600	2.78		1709
Co.aus	Cordyline australis	Tī Kōuka	0.5L	8.0	1200	0.69		342
Ca.ser	Carpodetus serratus	Putaputa wētā	2L	10.0	2500	0.16		98
Co.rob	Coprosma robusta	Karamuramura	0.5L	8.0	1500	0.44		219
Cy.ust	Cyperus ustulatus	Toetoe upoko-tangata	0.5L	12.0	800	1.56		1153
Da.dac	Dacrycarpus dacrydioides	Kahikatea	5L	20.0	2500	0.16		197
Fr.ban	Freycinetia banksii	Kiekie	2L	5.0	700	2.04		628
Me.ram	Melicytus ramiflorus	Mahoe	0.5L	8.0	1500	0.44		219
La.nov	Laurelia novae-zelandiae	Pukatea	5L	15.0	3000	0.11		103
Ph.ten	Phormium tenax^	Harakeke	0.5L	25.0	2000	0.25		384
Pi.sal	Ptisana salicina	Para	2L	4.0	1000	1.00		246
Rh.sap	Rhopalostylis sapida	Nikau	5L	5.0	2000	0.25		77
	^ Where planting occurs beside the path, set back th	e distance from the path provided for	plant spacings ('C	ntrs')				
		MIX 11 LOOKOUT PLANT	ING	l.				
Ca.sec	Carex secta	Purei	0.5L	30.0	700	2.04	1.06	83
Ca.vir	Carex virgata	Pukio	0.5L	35.0	800	1.56		74
The state of the s								
He.str	Hebe stricta*	Koromiko	0.5L	10.0	1500	0.44		6
Ph. coo	Phormium cookianum subsp. Hookeri*^	Wharariki	0.5L	25.0	1500	0.44		15
	*Place lower down the bank to preserve views							
	^Where planting occurs beside the path, set back th	e distance from the path provided for	plant spacings ('C	ntrs')				
		MIX 12 MEADOW						
Ap.sim	Apodasmia similis	Oioi	0.5L	50.0	700	2.04	1.02	1055
Ca.sec	Carex secta	Purei	0.5L	30.0	700	2.04		633
	Muehlenbeckia astonii*	Tororaro	0.5L	8.0	1000	1.00		83
Mu.ast	Widemenbeckia astoriii	TOTOTATO	U.J.	0.0		1.00		03
	Dh	VA/I 11-1					1	
Ph.coo	Phormium cookianum subsp. Hookeri*^	Wharariki	0.5L	12.0	1500	0.44		55
PII.COO	*Place as a broken transitional edge to the 'Meadow	v Edge' Planting Mix	0.5L	12.0				55
P11.C00		v Edge' Planting Mix	0.5L	12.0				55
P11.C00	*Place as a broken transitional edge to the 'Meadow	v Edge' Planting Mix	0.5L	12.0				55
PII.COO	*Place as a broken transitional edge to the 'Meadow	v Edge' Planting Mix	0.5L plant spacings ('C	12.0				55
	*Place as a broken transitional edge to the 'Meadow	v Edge' Planting Mix ne distance from the path provided for	0.5L plant spacings ('C	12.0			1.02	37
	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the	v Edge' Planting Mix ne distance from the path provided for MIX 12a MEADOW EDG	0.5L plant spacings ('C	12.0 ntrs')	1500	0.44	1.02	
Au.ful Co.rob	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta	MIX 12a MEADOW EDG Toetoe Karamuramura	0.5L plant spacings ('C GE 0.5L 0.5L	12.0 ntrs') 8.0 20.0	1500 1500 1500	0.44 0.44 0.44	1.02	37 92
Au.ful Co.rob Ku.rob	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis	MIX 12a MEADOW EDG Toetoe Karamura mura Kanuka	0.5L plant spacings ('C 6E 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0	1500 1500 1500 1500	0.44 0.44 0.44	1.02	37 92 129
Au.ful Co.rob Ku.rob Le.sco	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium	MIX 12a MEADOW EDG Toetoe Karamuramura Kanuka Manuka	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0	1500 1500 1500 1500	0.44 0.44 0.44 0.44	1.02	37 92 129 65
Au.ful Co.rob Ku.rob Le.sco Ph.coo	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0	1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.44	1.02	37 92 129 65 46
Au.ful Co.rob Ku.rob Le.sco	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium	MIX 12a MEADOW EDG Toetoe Karamuramura Kanuka Manuka	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0	1500 1500 1500 1500	0.44 0.44 0.44 0.44	1.02	37 92 129 65
Au.ful Co.rob Ku.rob Le.sco Ph.coo	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0	1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.44	1.02	37 92 129 65 46
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0	1500 1500 1500 1500 1500 2000	0.44 0.44 0.44 0.44 0.44 0.25		37 92 129 65 46 52
Au.ful Co.rob Ku.rob Le.sco Ph.coo	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0	1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.44	1.02	37 92 129 65 46
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0	1500 1500 1500 1500 1500 2000	0.44 0.44 0.44 0.44 0.44 0.25		37 92 129 65 46 52
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA	0.5L plant spacings (*C 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0	1500 1500 1500 1500 1500 2000	0.44 0.44 0.44 0.44 0.25		37 92 129 65 46 52
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec	*Place as a broken transitional edge to the 'Meadow' ^ Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 35.0 20.0	1500 1500 1500 1500 1500 2000 800 700	0.44 0.44 0.44 0.44 0.25 1.56 2.04		37 92 129 65 46 52 688 513
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata	0.5 L plant spacings (*C 0.5 L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 35.0 20.0 25.0	1500 1500 1500 1500 1500 2000 800 700 800	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56		37 92 129 65 46 52 688 513 491
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush	0.5 L plant spacings (*C 0.5 L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 35.0 20.0 25.0	1500 1500 1500 1500 1500 2000 800 700 800	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56		37 92 129 65 46 52 688 513 491
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa	MIX 12 a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED	0.5 L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 35.0 20.0 25.0 20.0	1500 1500 1500 1500 1500 2000 800 700 800 500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED	0.5 L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 5.0	1500 1500 1500 1500 1500 2000 800 700 800 500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00		37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob	*Place as a broken transitional edge to the 'Meadow' ^ Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 5.0 10.0	1500 1500 1500 1500 1500 2000 800 700 800 500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura	0.5 L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 5.0	1500 1500 1500 1500 1500 2000 800 700 800 500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob	*Place as a broken transitional edge to the 'Meadow' ^ Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 5.0 10.0	1500 1500 1500 1500 1500 2000 800 700 800 500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 5.0 10.0 10.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 5.0 10.0 10.0 40.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra	*Place as a broken transitional edge to the 'Meadon' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Kanuka	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra	*Place as a broken transitional edge to the 'Meadon' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Kanuka	0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les	*Place as a broken transitional edge to the 'Meador' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Kanuka MIX 15 RAIL EDGE NOR	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii*	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma repens	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0 4.0 12.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii*	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma repens	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0 4.0 12.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob	*Place as a broken transitional edge to the 'Meadow' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma robusta Coprosma robusta Coprosma repens Coprosma robusta	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Kanuka Mix 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 5.0 10.0 10.0 40.0 15.0 20.0 4.0 12.0 4.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob	*Place as a broken transitional edge to the 'Meador' AWhere planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma robusta Leptospermum scoparium Kunzea linearis	MIX 12 a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Manuka Kanuka Karamuramura Manuka Karamuramura	### ##################################	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0 4.0 12.0 4.0 5.0 16.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob Me.ram	*Place as a broken transitional edge to the 'Meador' AWhere planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma robusta Leptospermum scoparium Kunzea linearis Melicytus ramiflorus	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Kanuka Karamuramura Kanuka Karamuramura	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 35.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0 4.0 12.0 4.0 5.0 16.0 26.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331 537
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob Me.ram Ph.ten	*Place as a broken transitional edge to the 'Meador' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma robusta Leptospermum scoparium Kunzea linearis Melicytus ramiflorus Phormium tenax*@^	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Manuka Karamuramura Manuka Karamuramura Manuka Karamuramura Manuka Karamuramura Manuka Karamuramura	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 25.0 20.0 4.0 12.0 4.0 12.0 4.0 5.0 16.0 26.0 8.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331 537 165
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob Me.ram Ph.ten Pi.eug	*Place as a broken transitional edge to the 'Meador'	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Manuka Kanuka Karamuramura Manuka Kanuka Karamuramura Manuka Kanuka Karamuramura Manuka Kanuka Mahoe Harakeke Lemonwood	### ##################################	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 25.0 20.0 4.0 15.0 20.0 4.0 15.0 20.0 4.0 15.0 20.0 4.0 4.0 12.0 4.0 5.0 16.0 26.0 8.0 4.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331 537 165 83
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob Me.ram Ph.ten	*Place as a broken transitional edge to the 'Meador' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma robusta Leptospermum scoparium Kunzea linearis Melicytus ramiflorus Phormium tenax*@^	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Manuka Kanuka Karo Houpara	0.5L plant spacings (*C 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 25.0 20.0 4.0 12.0 4.0 12.0 4.0 5.0 16.0 26.0 8.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331 537 165
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob Me.ram Ph.ten Pi.eug Ps.les	*Place as a broken transitional edge to the 'Meador'	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Manuka Kanuka Karamuramura Manuka Kanuka Karamuramura Manuka Kanuka Karamuramura Manuka Kanuka Mahoe Harakeke Lemonwood	### ##################################	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 25.0 20.0 25.0 20.0 4.0 15.0 20.0 4.0 15.0 20.0 4.0 15.0 20.0 4.0 4.0 12.0 4.0 5.0 16.0 26.0 8.0 4.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.25 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331 537 165 83
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob Me.ram Ph.ten Pi.eug	*Place as a broken transitional edge to the 'Meador'	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Manuka Kanuka Karo Houpara	## 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 35.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0 4.0 15.0 20.0 4.0 15.0 20.0 4.0 16.0 8.0 4.0 16.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.44 0.45 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331 537 165 83 331
Au.ful Co.rob Ku.rob Le.sco Ph.coo Ph.ten Ca.les Ca.sec Cy.ust Ma.rub Au.ful Co.rob He.str Ku.rob Pi.cra Ps.les As.ban Co.rep Co.rob Le.sco Ku.rob Me.ram Ph.ten Pi.eug Ps.les	*Place as a broken transitional edge to the 'Meador' ^Where planting occurs beside the path, set back the Austroderia fulvida Coprosma robusta Kunzea linearis Leptospermum scoparium Phormium cookianum subsp. Hookeri Phormium tenax Carex lessoniana Carex secta Cyperus ustulatus Machaerina rubiginosa Austroderia fulvida Coprosma robusta Hebe stricta Kunzea linearis Pittosporum crassifolium Pseudopanax lessonii Astelia banksii* Coprosma repens Coprosma robusta Leptospermum scoparium Kunzea linearis Melicytus ramiflorus Phormium tenax*@^ Pittosporum eugenioides Pseudopanax lessonii Sophora microphylla@	MIX 12a MEADOW EDO Toetoe Karamuramura Kanuka Manuka Wharariki Harakeke MIX 13 WETLAND RESTORA Ruatahi Purei Toetoe upoko-tangata Soft twig rush MIX 14 RAIL ED Toetoe Karamuramura Koromiko Kanuka Karo Houpara MIX 15 RAIL EDGE NOR Wharawhara Taupata Karamuramura Manuka Kanuka Karo Houpara	## 0.5L 0.5L	12.0 ntrs') 8.0 20.0 28.0 14.0 10.0 20.0 35.0 20.0 25.0 20.0 10.0 10.0 40.0 15.0 20.0 4.0 15.0 20.0 4.0 15.0 20.0 4.0 16.0 8.0 4.0 16.0	1500 1500 1500 1500 1500 2000 800 700 800 500 1500 1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.44 0.45 1.56 2.04 1.56 4.00 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.44	1.06	37 92 129 65 46 52 688 513 491 1006 15 31 31 123 46 62 380 248 83 103 331 537 165 83 331

NOTES

CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK;

CONTRACTORS ARE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UNDERGROUND SERVICES ON SITE PRIOR TO COMMENCING WORK;

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

PLANTING PLANS HAVE BEEN REVIEWED AND FOUND TO ADHERE WITH KIWIRAIL STANDARDS, INCLUDING THE INTEGRATED VEGETATION MANAGEMENT PLAN, TREESCAPE 2018.

REFER TO CIVIL DRAWING 80504522-C4-0402_G410 FOR RIPRAP DETAILS.

KEV

- 21.04.20 FOR CONSTRUCTION REV DATE DESCRIPTION

FOR CONSTRUCTION

Design Drawn Check	LCh MLe	Scale 1:250 @ A1 1:500 @ A3	Date 21.04.202
Appv'd	MLe	1	

CONSULTANTS

AUCKLAND TRANSPORT



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TE ARA KI UTA KI TAI Section 2

PLANTING SCHEDULE

DRAWING NO.

NO. REVISION



As.ban		MIX 16 RAIL EDGE SETBACK (low plan		NA.	₽ ₽₽	27,000		2.00
_	Astelia banksii	Wharawhara	0.5L	6.0	700	2.04	1.02	49
Co.pro	Coprosma propinqua var. propinqua	Mingimingi	0.5L	6.0	1500	0.44		109
Co.rob	Coprosma robusta	Karamuramura	0.5L	16.0	1500	0.44		289
He.str	Hebe stricta	Koromiko	0.5L	8.0	1500	0.44		14
Ph.coo	Phormium cookianum subsp. Hookeri #^	Wharariki	0.5L	24.0	1500	0.44		434
Ph.ten	Phormium tenax^	Harakeke	0.5L	40.0	2000	0.25		40
	# Preferred in place of Ph. ten for Archaeological sites ^ Where planting occurs beside the path, set back the		: spacings ('(Cntrs')				
	MIX 17 ENRICHMENT LOWL	AND RIPARIAN FOREST (assumes 20	% enrichn	nent of gaps	and edge	es)		
Cl.pan	Clematis paniculata~	Puawānanga	2L	2.0	1200	0.69	1.06	3
Co.gra	Coprosma grandiflora	Kanono	2L	4.0	1500	0.44		3
Co.lae	Corynocarpus laevigata	Karaka	5L	10.0	2000	0.25		3
Cy.dea	Cyathea dealbata	Ponga	5L	6.0	2000	0.25		3
Cy.med	Cyathea medullaris	Mamaku	5L	6.0	2000	0.25		3
Dy.spe	Dysoxylum spectabile	Kohekohe	5L	10.0	2000	0.25		3
Fr.ban	Freycinetia banksii*	Kiekie	2L	4.0	600	2.78		15
				24.5-471	B. 105, 175, 175	0.44		0.000
Ge.lig	Geniostoma ligustrifolium var. ligustrifolium	Hangehange	0.5L	4.0	1500			3
He.arb	Hedycarya arborea	Porokaiwhiri	2L	4.0	2500	0.16		3
Ma.exc	Macropiper excelsum	Kawakawa	0.5L	10.0	1500	0.44		6
Pa.koh	Passiflora tetrandra∼	Kohia	2L	2.0	1200	0.69		3
Po.tot	Podocarpus totara	Tōtara	5L	10.0	2500	0.16		3
Pr.tax	Prumnopitys taxifolia	Matai	5L	6.0	2500	0.16		3
Pi.sal	Ptisana salicina*	Para	2L	2.0	1000	1.00		3
Rh.sap	Rhopalostylis sapida*	Nikau	2L	6.0	2000	0.25		3
Sc.dig	Schefflera digitata	Pate	0.5L	4.0	1500	0.44		3
Vi.luc	Vitex lucens	Puriri	5L	10.0	3000	0.11		3
	* Place adjacent to stream							
	~ Climber requiring mature tree							
		MIX 18 MANUKA SHRUBLAND			p=			
Co.rob	Coprosma robusta	Karamuramura	0.5L	10.0	1500	0.44	1.06	27
Da.dac	Dacrycarpus dacrydioides	Kahikatea	5L	10.0	2000	0.25		15
Le.sco	Leptospermum scoparium	Manuka	0.5L	60.0	1500	0.44		163
My.aus	Myrsine australis	Mapou	0.5L	4.0	1500	0.44		11
Ph.ten	Phornium tenax^	Harakeke	0.5L	16.0	2000	0.25		25
	^ Where planting occurs beside the path, set back the	distance from the path provided for plant	spacings ('(Cntrs')				
12V		MIX 19 LOWLAND RIPARIAN FOR						
Co.arb	Coprosma arborea	Mamangi	0.5L	4.0	1400	0.51	1.02	57
Co.rep Co.rob Dy.spe	Coprosma repens	Taupata	0.5L	4.0	1400	0.51		57
	Coprosma robusta	Karamuramura	0.5L	4.0	1400	0.51		57
	Dysoxylum spectabile	Kohekohe	5L	4.0	1400	0.51		57
Ku.rob	Kunzea linearis	Kanuka	0.5L	20.0	1400	0.51		28
Le.sco	Leptospermum scoparium	Manuka	0.5L	4.0	1400	0.51		57
Me.ram	Melicytus ramiflorus	Mahoe	0.5L	30.0	1400	0.51		42.
Ph.ten	Phornium tenax*^	Harakeke	0.5L	10.0	1400	0.51		143
Pi.eug	Pittosporum eugenioides	Lemonwood	0.5L	4.0	1400	0.51		57
Po.tot	Podocarpus totara	Tōtara	5L	8.0	1400	0.51		11:
Ps.arb	Pseudopanax arboreus*	Puahou, Five Finger	0.5L	4.0	1400	0.51		57
So.mic	Sophora microphylla	Kowhai	5L	4.0	1400	0.51		57
30.11110	* Place adjacent to streams	No Wildi	31	4.0	1400	0.51		3,
	^ Where planting occurs beside the path, set back the	distance from the path provided for plant	spacings ('	Cntrs')				
Ca.dis	MIX 20 - BISHOP SELV	VYN SITE (assumes 30% enrichment	of gaps a	nd understo	orey) 500	4.00	1.06	81
		Purei, Forest Seage Pukio	0.5L	16.0	800	1.56	1.06	50
Ca.vir	Clamatic paniculata	W			10-12-10-10-10-10-10-10-10-10-10-10-10-10-10-	1000000		
Cl.pan	Clematis paniculata~	Puawānanga	2L	2.0	1200	0.69		3
Co.gra	Coprosma grandiflora	Kanono	2L	6.0	1500	0.44		5
Fr.ban	Freycinetia banksii*	Kiekie	2L	6.0	600	2.78		34
Ge.lig	Geniostoma ligustrifolium var. ligustrifolium	Hangehange	0.5L	14.0	1500	0.44		13
Ma ava	Macropiper excelsum	Kawakawa	0.5L	24.0	1500	0.44		21
Ma.exc	Microlaena stipoides	Rice Grass		16.0	500	4.00		12
Mi.sti			2L					3
Mi.sti Pa.koh	Passiflora tetrandra~	Kohia	2L	2.0	1200	0.69		8
Mi.sti	Ptisana salicina*				1200 1000	1.00		
Mi.sti Pa.koh	Ptisana salicina* ~ Climber requiring mature tree	Kohia	2L	2.0				
Mi.sti Pa.koh	Ptisana salicina*	Kohia Para	2L	2.0				
Mi.sti Pa.koh	Ptisana salicina* ~ Climber requiring mature tree	Kohia	2L	2.0			1.06	17
Mi.sti Pa.koh Pi.sal	Ptisana salicina* ~Climber requiring mature tree * Place adjacent to stream	Kohia Para MIX 21 COASTAL SHRUB	2L 2L	2.0	1000	1.00	1.06	
Mi.sti Pa.koh Pi.sal Co.rep He.str	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens	MIX 21 COASTAL SHRUB Taupata	2L 2L 0.5L	2.0 4.0	1500	0.44	1.06	85
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium	MIX 21 COASTAL SHRUB Taupata Koromi ko Manuka	2L 2L 0.5L 0.5L	2.0 4.0 8.0 4.0 8.0	1500 1500 1500	0.44 0.44 0.44	1.06	85 17
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco Ku.rob	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium Kunzea linearis*	MIX 21 COASTAL SHRUB Taupata Koromi ko Manuka Kanuka	2L 2L 0.5L 0.5L 0.5L	8.0 4.0 8.0 20.0	1500 1500 1500 1500	0.44 0.44 0.44 0.44	1.06	85 17 42
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco Ku.rob Me.ram	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium Kunzea linearis* Melicytus ramiflorus	MIX 21 COASTAL SHRUB Taupata Koromi ko Manuka Kanuka Mahoe	2L 2L 0.5L 0.5L 0.5L 0.5L	2.0 4.0 8.0 4.0 8.0 20.0 12.0	1500 1500 1500 1500 1500	0.44 0.44 0.44 0.44 0.44	1.06	85 17 42 25
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco Ku.rob Me.ram Me.exc	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium Kunzea linearis* Melicytus ramiflorus Metrosideros excelsa*@	MIX 21 COASTAL SHRUB Taupata Koromi ko Manuka Kanuka Mahoe Pohutukawa	2L 2L 2L 0.5L 0.5L 0.5L 0.5L 5L	8.0 4.0 8.0 20.0 12.0 10.0	1500 1500 1500 1500 1500 3000	0.44 0.44 0.44 0.44 0.44 0.11	1.06	85 17 42 25 53
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco Ku.rob Me.ram Me.exc My.lae	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium Kunzea linearis* Melicytus ramiflorus Metrosideros excelsa*@ Myoporum laetum	MIX 21 COASTAL SHRUB Taupata Koromi ko Manuka Kanuka Mahoe Pohutukawa Ngaio	2L 2L 2L 0.5L 0.5L 0.5L 0.5L 5L 0.5L	8.0 4.0 8.0 20.0 12.0 10.0 8.0	1500 1500 1500 1500 1500 3000 2500	0.44 0.44 0.44 0.44 0.11 0.16	1.06	85 17 42 25 53 61
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco Ku.rob Me.ram Me.exc My.lae Ph.ten	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium Kunzea linearis* Melicytus ramiflorus Metrosideros excelsa*@ Myoporum laetum Phomium tenax@^	MIX 21 COASTAL SHRUB Taupata Koromiko Manuka Kanuka Mahoe Pohutukawa Ngaio Harakeke	2L 2L 2L 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	8.0 4.0 8.0 20.0 12.0 10.0 8.0 8.0	1500 1500 1500 1500 1500 2500 2000	0.44 0.44 0.44 0.44 0.11 0.16 0.25	1.06	17: 85 17: 42: 25: 53 61 96
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco Ku.rob Me.ram Me.exc My.lae Ph.ten Pi.cra	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium Kunzea linearis* Melicytus ramiflorus Metrosideros excelsa*@ Myoporum laetum Phomium tenax@^ Pittosporum crassifolium	MIX 21 COASTAL SHRUB Taupata Koromiko Manuka Kanuka Mahoe Pohutukawa Ngaio Harakeke Karo	2L 2L 2L 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	2.0 4.0 8.0 4.0 8.0 20.0 12.0 10.0 8.0 8.0 4.0	1500 1500 1500 1500 1500 2500 2000 1500	0.44 0.44 0.44 0.44 0.11 0.16 0.25 0.44	1.06	85 17 42 25 53 61 96
Mi.sti Pa.koh Pi.sal Co.rep He.str Le.sco Ku.rob Me.ram Me.exc My.lae Ph.ten	Ptisana salicina* ~ Climber requiring mature tree * Place adjacent to stream Coprosma repens Hebe stricta Leptospermum scoparium Kunzea linearis* Melicytus ramiflorus Metrosideros excelsa*@ Myoporum laetum Phomium tenax@^	MIX 21 COASTAL SHRUB Taupata Koromiko Manuka Kanuka Mahoe Pohutukawa Ngaio Harakeke	2L 2L 2L 0.5L 0.5L 0.5L 0.5L 0.5L 0.5L	8.0 4.0 8.0 20.0 12.0 10.0 8.0 8.0	1500 1500 1500 1500 1500 2500 2000	0.44 0.44 0.44 0.44 0.11 0.16 0.25	1.06	85 17 42 25 53 61

^ Where planting occurs beside the path, set back the distance from the path provided for plant spacings ('Cntrs')



		MIX 16 RAIL EDGE SETBACK (low plant	ting)						MIX 22 PATH EDGE TAHAPA RESE	RVF				
As.ban	Astelia banksii	Wharawhara	0.5L	6.0	700 2.04 1.02	498	Ca.sec	Carex secta~	Purei	0.5L	15.0	600	2.78 1.06	1177
Co.pro	Coprosma propinqua var. propinqua	Mingimingi	0.5L	6.0	1500 0.44	109	Ca.vir	Carex virgata	Pukio	0.5L	10.0	600		784
Co.rob	Coprosma robusta	Karamuramura	0.5L	16.0	1500 0.44	289	Co.rep	Coprosma repens	Taupata	0.5L	5.0	1500	0.44	63
He.str	Hebe stricta	Koromiko	0.5L	8.0	1500 0.44	145	Co.rob	Coprosma robusta	Karamuramura	0.5L	5.0	1500	0.44	63
Ph.coo	Phormium cookianum subsp. Hookeri #^	Wharariki	0.5L	24.0	1500 0.44	434	He.str	Hebe stricta	Koromiko	0.5L	5.0	1500	0.44	63
Ph.ten	Phormium tenax^	Harakeke	0.5L	40.0	2000 0.25	407	Ph.coo	Phormium cookianum subsp. Hookeri^	Wharariki	0.5L	25.0	1000	1.00	706
	#Preferred in place of Ph. ten for Archaeological sit	es					Ph.ten	Phormium tenax^	Harakeke	0.5L	15.0	2000	0.25	106
	^ Where planting occurs beside the path, set back t	he distance from the path provided for plant s	pacings ('Cnt	trs')			Ps.les	Pseudopanax lessonii	Houpara	0.5L	15.0	1500		188
	1	(1 AND DID ADIAN FOREST / 200	,				So.mic	Sophora microphylla*	Kowhai	5L	5.0	2000	0.25	35
Cl non		LAND RIPARIAN FOREST (assumes 20%	enrichme			2		~Nearest to grass edge						
Cl.pan	Clematis paniculata~ Coprosma grandiflora	Puawānanga Kanono	2L	4.0	1200 0.69 1.06 1500 0.44	3		*Place min 10m from the B6 rail bridge			//C + //			
Co.gra Co.lae	Corynocarpus laevigata	Karaka	51	10.0	2000 0.25	3		^Where planting occurs beside the path, set back the	e aistance from the path provided for plan	it spacings (Cntrs			
Cy.dea	Cyathea dealbata	Ponga	51	6.0	2000 0.25	3		MIX 23 FNRICHMENT	TAHAPA RESERVE (assumes 20% en	richment	of gans and	l edges)		
Cy.med	Cyathea medullaris	Mamaku	51	6.0	2000 0.25	3	Be.taw	Beilschmiedia tawa	Tawa	5L	8.0	2000	0.25 1.02	38
Dy.spe	Dysoxylum spectabile	Kohekohe	5L	10.0	2000 0.25	3	Cl.pan	Clematis paniculata~	Puawānanga	2L	2.0	_	0.69	26
Fr.ban	Freycinetia banksii*	Kiekie	2L	4.0	600 2.78	15	Co.gra	Coprosma grandiflora	Kanono	2L	6.0	1500		50
Ge.lig	Geniostoma ligustrifolium var. ligustrifolium		0.5L	4.0	1500 0.44	3	Dy.spe	Dysoxylum spectabile	Kohekohe	2L	10.0	2000		47
He.arb	Hedycarya arborea	Porokaiwhiri	2L	4.0	2500 0.16	3	Ge.lig	Geniostoma ligustrifolium var. ligustrifolium	Hangehange	0.5L	12.0	1500	0.44	101
Ma.exc	Macropiper excelsum	Kawakawa	0.5L	10.0	1500 0.44	6	He.arb	Hedycarya arborea	Porokaiwhiri	2L	8.0	2500	0.16	24
Pa.koh	Passiflora tetrandra~	Kohia	2L	2.0	1200 0.69	3	Ma.exc	Macropiper excelsum	Kawakawa	0.5L	12.0	1500	0.44	101
Po.tot	Podocarpus totara	Tōtara	5L	10.0	2500 0.16	3	Pa.tet	Passiflora tetrandra~	Kohia	2L	2.0	1200	0.69	26
Pr.tax	Prumnopitys taxifolia	Matai	5L	6.0	2500 0.16	3	Po.Tot	Podocarpus totara	Tōtara	5L	16.0	2500		48
Pi.sal	Ptisana salicina*	Para	2L	2.0	1000 1.00	3	Pr.fer	Prumnopitys ferruginea	Miro	5L	14.0	2500		42
Rh.sap	Rhopalostylis sapida*	Nikau	2L	6.0	2000 0.25	3	Sc.dig	Schefflera digitata	Pate	0.5L	4.0	1500		34
Sc.dig	Schefflera digitata	Pate	0.5L	4.0	1500 0.44	3	Vi.luc	Vitex lucens	Puriri	5L	6.0	3000	0.11	13
Vi.luc	Vitex lucens	Puriri	5L	10.0	3000 0.11	3		~Climber requiring mature tree						
	* Place adjacent to stream						a		NAIV 24 COACTAL ECCADDRAFAL		· ·		· · · · ·	· · ·
	~ Climber requiring mature tree						As.ban	Astelia banksii^	MIX 24 COASTAL ESCARPMEN Shore Kowharawhara	0.5L	5.0	700	2.04 1.06	121
		MIN 10 MANUUKA CURURI AND					Ca.sec	Carex secta*	Purei	0.5L	15.0	700	2.04	362
Corob	Coprosma robusta	MIX 18 MANUKA SHRUBLAND Karamuramura	0.5L	10.0	1500 0.44 1.06	27	Co.rep	Coprosma repens	Taupata	0.5L	8.0	1500		42
Co.rob Da.dac	Dacrycarpus dacrydioides	Kahikatea	5L	10.0	2000 0.25	15	He.str	Hebe stricta	Koromiko	0.5L	8.0	_	0.44	42
Le.sco	Leptospermum scoparium	Manuka	0.5L	60.0	1500 0.44	163	My.lae	Myoporum laetum	Ngaio	0.5L	4.0	2500		8
My.aus	Myrsine australis	Mapou	0.5L	4.0	1500 0.44	11	Mu.ast	Muehlenbeckia astonii	Tororaro	0.5L	8.0	1000		94
Ph.ten	Phormium tenax^	Harakeke	0.5L	16.0	2000 0.25	25	My.aus	Myrsine australis	Mapou	0.5L	2.0	1500	0.44	10
	^ Where planting occurs beside the path, set back t	he distance from the path provided for plant s					Ph.coo	Phormium cookianum subsp. Hookeri^#	Wharariki	0.5L	26.0	1500	0.44	136
							Pi.cra	Pittosporum crassifolium	Karo	0.5L	8.0	1500	0.44	42
		MIX 19 LOWLAND RIPARIAN FORES	ST				Ps.les	Pseudopanax lessonii	Houpara	0.5L	16.0	1500	0.44	84
Co.arb	Coprosma arborea	Mamangi	0.5L	4.0	1400 0.51 1.02	57		*Nearest to path edge, set back the distance from the	e path provided for by plant spacings ('Cn	trs')				
Co.rep	Coprosma repens	Taupata	0.5L	4.0	1400 0.51	57		^Planting to occur behind one row minimum of C. se	ecta,					
Co.rob	Coprosma robusta	Karamuramura	0.5L	4.0	1400 0.51	57		#Locate P. Cookianum along the entire Kiwirail bour	ndary, set back 1500mm from boundary					
Dy.spe	Dysoxylum spectabile	Kohekohe	5L	4.0	1400 0.51	57	a				1			
Ku.rob	Kunzea linearis		0.5L	20.0	1400 0.51	283	As han		a COASTAL ESCARPMENT (MEADOV			7.00	204	4.5
Le.sco	Leptospermum scoparium	Manuka	0.5L	4.0	1400 0.51	57	As.ban	Astelia banksii*	Shore Kowharawhara	0.5L	4.0	700		45
Me.ram	Melicytus ramiflorus	Mahoe	0.5L	30.0	1400 0.51	425	Mu.com	Muehlenbeckia complexa #	Pohuehue Sand conrosma	0.5L	36.0	1000		199
Ph.ten	Phormium tenax*^	Harakeke	0.5L	10.0	1400 0.51	142	Co.ace He.str	Coprosma acerosa # Hebe stricta*	Sand coprosma Koromiko	0.5L 0.5L	6.0	1000	1.56	33
Pi.eug	Pittosporum eugenioides	Lemonwood	0.5L	4.0	1400 0.51	57	Ph.coo	Phormium cookianum subsp. Hookeri*	Wharariki	0.5L	14.0	1000		77
Po.tot	Podocarpus totara	Tōtara	5L	8.0	1400 0.51	113	Ph.ten	Phormium tenax^	Harakeke	0.5L	6.0	1400	+ + + + + + + + + + + + + + + + + + + +	17
Ps.arb	Pseudopanax arboreus*	Puahou, Five Finger Kowhai	0.5L	4.0	1400 0.51	57 57	Pi.cra	Pittosporum crassifolium^	Karo	0.5L	4.0	1400	+	11
So.mic	Sophora microphylla * Place adjacent to streams	NUWIIdI	5L	4.0	1400 0.51	5/	Ps.les	Pseudopanax lessonii^	Houpara	0.5L	6.0		0.51	17
	^ Where planting occurs beside the path, set back t	he distance from the nath provided for plant o	nacinas l'Cni	rs'l			1 31163	*Plant at property boundaries above the cliff where			2.0			
	The e planting occursoes ac the path, set back t	Sistance from the path provided for plant s	- worings Cill					Also plant in pockets of soil at the base of the cliff whe			ut machinery			
	MIX 20 - BISHOP SE	LWYN SITE (assumes 30% enrichment of	of gaps and	underst	orey)			^Plant at eastern and western ends of the cliffface wi	here accesible by foot for maintenance					
Ca.dis	Carex dissita	Purei, Forest Sedge	0.5L	10.0	500 4.00 1.06	81		#Plant at the top of the cliff or in the place of weeds g	growing on the cliff face, to cascade and sp	pread				
Ca.vir	Carex virgata	Pukio	0.5L	16.0	800 1.56	50								
Cl.pan	Clematis paniculata~	Puawānanga	2L	2.0	1200 0.69	3			MIX 25 COASTAL PHOHUTUKAWA			1		
Co.gra	Coprosma grandiflora	Kanono	2L	6.0	1500 0.44	5	Ar.cir	Arthropodium cirratum	Rengarenga	0.5L	15.0	700		
	Freycinetia banksii*	Kiekie	2L	6.0	600 2.78	34	As.ban	Astelia banksii	Wharawhara	0.5L	10.0	700		183
Fr.ban				14.0	1500 0.44	13	Ca.sec	Carex secta	Purei	0.5L	15.0	700	2.04	275
Fr.ban Ge.lig	Geniostoma ligustrifolium var. ligustrifolium	Hangehange	0.5L	14.0			Ma.exc		T.C	The street of	1000			
	Geniostoma ligustrifolium var. ligustrifolium Macropiper excelsum	Hangehange Kawakawa	0.5L 0.5L	24.0	1500 0.44	21		Macropiper excelsum	Kawakawa	0.5L	10.0		0.44	40
Ge.lig						21 129	Ph.coo	Phormium cookianum subsp. Hookeri^	Wharariki	0.5L	25.0	1500	0.44	100
Ge.lig Ma.exc	Macropiper excelsum	Kawakawa	0.5L	24.0	1500 0.44				1 1 2 2			1500 2000	0.44	_

rseudopuliax lessollii	поирага	U.SL	10.0	1300	0.44		40	
^ Where planting occurs beside the path, set back the distance from the path provided for plant spacings ('Cntrs')								
						\wedge		
MIX 2	6 BOARDWALK HIGH (>3m Boardw	alk to GL)						
Carex virgata	Pukio	0.5L	20.0	800	1.56	1.02	101	
Coprosma grandiflora	Kanono	2L	6.0	1200	0.69		13	
Dicksonia squarrosa	Wheki	5L	8.0	2000	0.25		6	
Freycinetia banksii*	Kiekie	2L	8.0	600	2.78		72	
Geniostoma ligustrifolium var. ligustrifolium	Hangehange	0.5L	20.0	1500	0.44		29	
Macropiper excelsum	Kawakawa	0.5L	32.0	1500	0.44		46	
Schefflera digitata	Pate	0.5	6.0	1200	0.69		9	
	Carex virgata Coprosma grandiflora Dicksonia squarrosa Freycinetia banksii* Geniostoma ligustrifolium var. ligustrifolium Macropiper excelsum	^Where planting occurs beside the path, set back the distance from the path provided for plant MIX 26 BOARDWALK HIGH (>3m Boardw Carex virgata Puki o Coprosma grandiflora Kanono Dicksonia squarrosa Wheki Freycinetia banksii* Kieki e Geniostoma ligustrifolium var. ligustrifolium Hangehange Macropiper excelsum Kawakawa	**More planting occurs beside the path, set back the distance from the path provided for plant spacings (**Carex virgata Pukio 0.5L **Coprosma grandiflora Kanono 2L **Dicksonia squarrosa Wheki 5L **Freycinetia banksii* Kiekie 2L **Geniostoma ligustrifolium var. ligustrifolium Hangehange 0.5L **Macropiper excelsum Kawakawa 0.5L	**Mere planting occurs beside the path, set back the distance from the path provided for plant spacings ('Cntrs') **MIX 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Carex virgata** **Pukio** **Coprosma grandiflora** **Coprosma grandiflora** **Kanono** **Dicksonia squarrosa** **Wheki** **SL** **SL** **Sunono** **Wheki** **SL** **Sunono** **Wheki** **Sunono** **Sunono** **Chtrs') **Dicksonia squarrosa* **Wheki** **Sunono** **Dicksonia squarrosa* **Wheki** **Sunono** **Sunono** **Sunono** **Dicksonia squarrosa* **Wheki** **Sunono** **Sunono** **Dicksonia squarrosa* **Wheki** **Sunono** **Sunono** **Dicksonia squarrosa* **Wheki** **Sunono** **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Wheki** **Sunono** **Dicksonia squarrosa* **Wheki** **Sunono** **Dicksonia squarrosa* **Wheki** **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Wheki** **Sunono** **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Dicksonia squarrosa* **Dicksonia squarrosa* **Dicksonia squarrosa* **Dicksonia squarrosa* **Dicks	^Where planting occurs beside the path, set back the distance from the path provided for plant spacings ('Cntrs') MIX 26 BOARDWALK HIGH (>3m Boardwalk to GL) Carex virgata Pukio 0.5L 20.0 800 Coprosma grandiflora Kanono 2L 6.0 1200 Dicksonia squarrosa Wheki 5L 8.0 2000 Freycinetia banksii* Kiekie 2L 8.0 600 Geniostoma ligustrifolium var. ligustrifolium Hangehange 0.5L 20.0 1500 Macropiper excelsum Kawakawa 0.5L 32.0 1500	**Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Carex virgata** **Pukio** **Coprosma grandiflora** **Coprosma grandiflora** **Coprosma squarrosa** **Wheeki** **Everinetia banksii*** **Kiekie** **Geniostoma ligustrifolium var. ligustrifolium** **Macropiper excelsum** **Macropiper excelsum** **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Pukio** **O.5L** **20.0** **800** **1.56** **Coprosma grandiflora** **Kanono** **2L** **6.0** **1200** **0.69** **Dicksonia squarrosa** **Wheeki** **St. & 8.0 & 2000 & 0.25** **Freycinetia banksii** **Kiekie** **2L** **8.0 & 600 & 2.78** **Geniostoma ligustrifolium var. ligustrifolium** **Hangehange** **O.5L** **O.5L** **32.0 & 1500 & 0.44** **Macropiper excelsum** **Kawakawa** **O.5L** **O.5L**	**Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL) **Carex virgata** **Pukio** **Dicksonia squarrosa** **Wheeli banksii*** **Kiekie** **Geniostoma ligustrifolium var. ligustrifolium** **Mix 26 BOARDWALK HIGH (>3m Boardwalk to GL)* **Pukio** **O.5L** **O.5L** **D.0.0** **O.5L** **D.0.0** **O.5L** **D.0.0** **O.5L** **D.0.0** **O.5L** **D.0.0** **O.5L** **D.0.0** **D.	

CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK;

CONTRACTORS ARE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UNDERGROUND SERVICES ON SITE PRIOR TO COMMENCING WORK;

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

PLANTING PLANS HAVE BEEN REVIEWED AND FOUND TO ADHERE WITH KIWIRAIL STANDARDS, INCLUDING THE INTEGRATED VEGETATION MANAGEMENT PLAN, TREESCAPE 2018.

REFER TO CIVIL DRAWING 80504522-C4-0402_G410 FOR RIPRAP DETAILS.

21.04.20 FOR CONSTRUCTION REV DATE DESCRIPTION

FOR CONSTRUCTION

Scale 1:250 @ A1 1:500 @ A3 Design MLe 21.04.2020 Drawn LCh Check MLe Appv'd MLe

CONSULTANTS

AUCKLAND TRANSPORT

Boffa Miskell Limited Level 3 IBM Centre 82 Wyndham Street 1010 PO Box 91250, Auckland 1142, New Zealand Tel: +64 9 358 2526 www.boffamiskell.co.nz

TE ARA KI UTA KI TAI Section 2

PLANTING SCHEDULE

DRAWING NO.

A15155_S2_402



Printed 24/04/2020 5:28:41 PM U:\2015\A15155_SBo_Glenn_Innes_Tamaki_Drive_Cycleway\CAD\A15155_Sheets_S2_Planting_Plans.dwg

*in wetter areas





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	SPECIMEN TREES										
Al.exc	Alectryon excelsus	Titoki	25L	as spec		27					
Co.aus	Cordyline australis	Tī Kōuka	10L	as spec		46					
Co.lae	Corynocarpus laevigata	Karaka	25L	as spec		28					
Cy.dea	Cyathea dealbata	Ponga	10L	as spec		12					
Cy.med	Cyathea medullaris	Mamaku	10L	as spec		15					
Da.cup	Dacrydium cupressinum	Rimu	50L	as spec		2					
Da.dac	Dacrycarpus dacrydioides	Kahikatea	80L	as spec		23					
Dy.spe	Dysoxylum spectabile	Kohekohe	25L	as spec		30					
Kn.exc	Knightia excelsa	Rewarewa	25L	as spec		12					
Me.exc	Metrosideros excelsa	Pohutukawa	50L	as spec		8					
Me.exc	Metrosideros excelsa	Pohutukawa	80L	as spec		5					
Pi.cra	Pittosporum crassifolium	Karo	10L	as spec		11					
Pi.eug	Pittosporum eugenioides	Lemonwood	10L	as spec		26					
Pi.ten	Pittosporum tenuifolium	Kohuhu	10L	as spec		5					
Po.tot	Podocarpus totara	Tōtara	50L	as spec		18					
Rh.sap	Rhopalostylis sapida	Nikau	25L	as spec		68					
So.tet	Sophora tetraptera	Kowhai	25L	as spec		13					
Vi.luc	Vitex lucens	Puriri	50L	as spec		11					
GRASS		GRASS									
	Seeded grass mix as specified				1.00	1.00					

1. Myrtaceae Family plants such as Pohutukawa, Kanuka and Manuka trees: if available use Myrtle Rust disease resistant

varieties. Substitution to be considered in the event the disease has severe effects on planting.

CONTRACTORS TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCING WORK;

CONTRACTORS ARE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UNDERGROUND SERVICES ON SITE PRIOR TO COMMENCING WORK;

FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.

PLANTING PLANS HAVE BEEN REVIEWED AND FOUND TO ADHERE WITH KIWIRAIL STANDARDS, INCLUDING THE INTEGRATED VEGETATION MANAGEMENT PLAN, TREESCAPE 2018.

REFER TO CIVIL DRAWING 80504522-C4-0402_G410 FOR RIPRAP DETAILS.

KEY

REV DATE DESCRIPTION

21.04.20 FOR CONSTRUCTION

FOR CONSTRUCTION

Design	MLe	l Scale	Date
Drawn	LCh	1:250 @ A1 1:500 @ A3	21.04.202
Check	MLe	1:500 @ A3	
Appv'd	MLe		

CONSULTANTS

AUCKLAND TRANSPORT



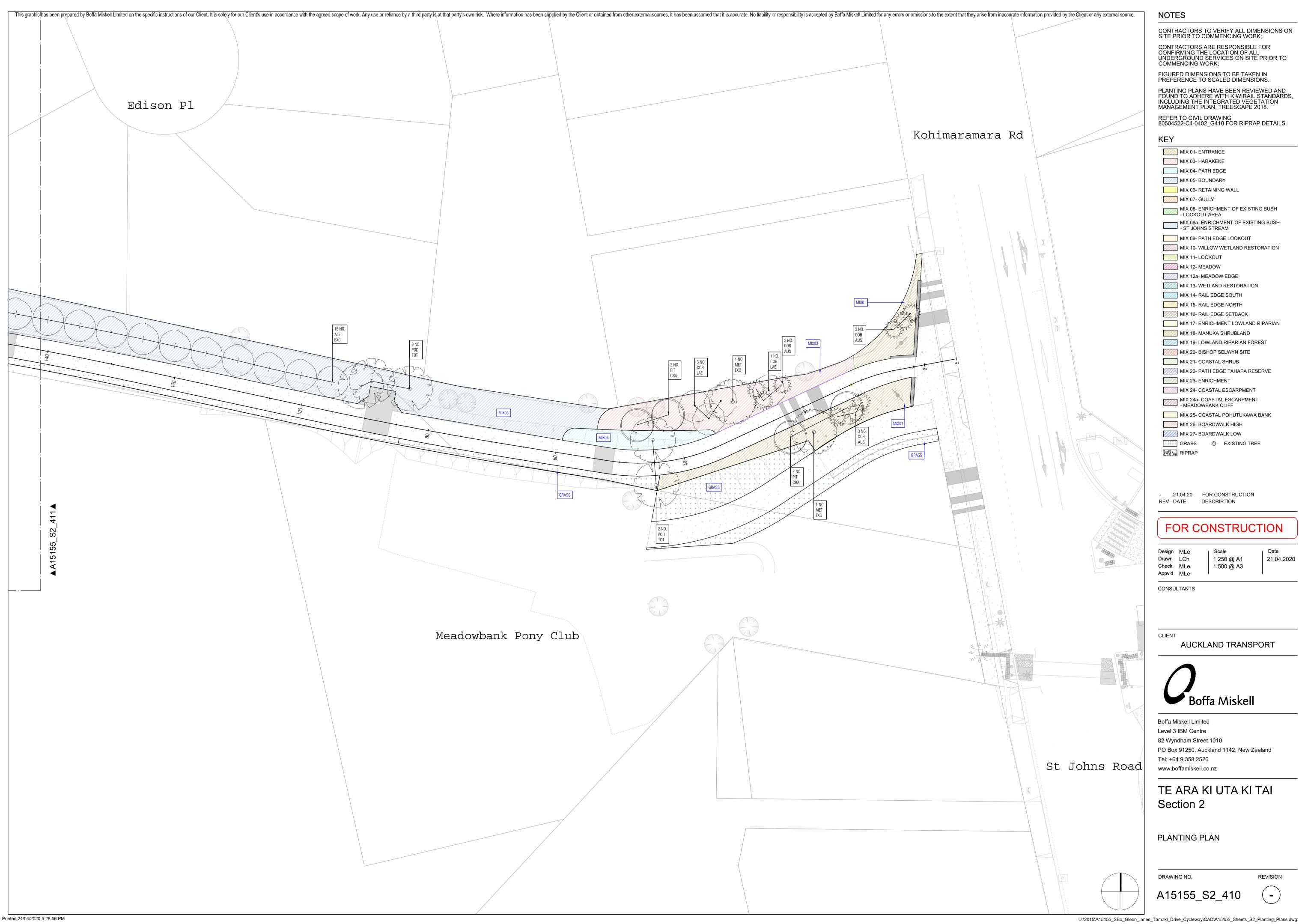
Boffa Miskell Limited Level 3 IBM Centre 82 Wyndham Street 1010 PO Box 91250, Auckland 1142, New Zealand Tel: +64 9 358 2526 www.boffamiskell.co.nz

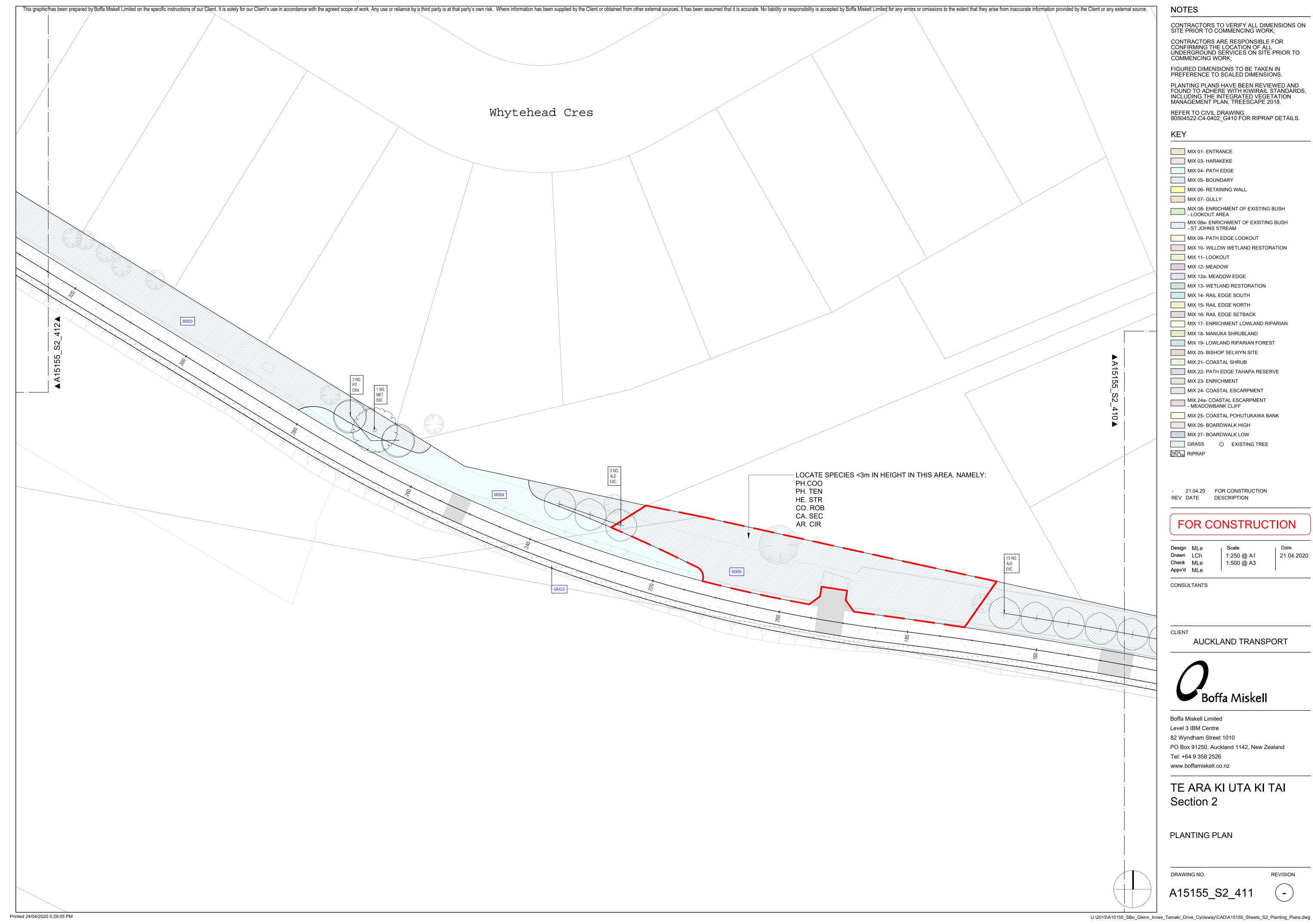
TE ARA KI UTA KI TAI Section 2

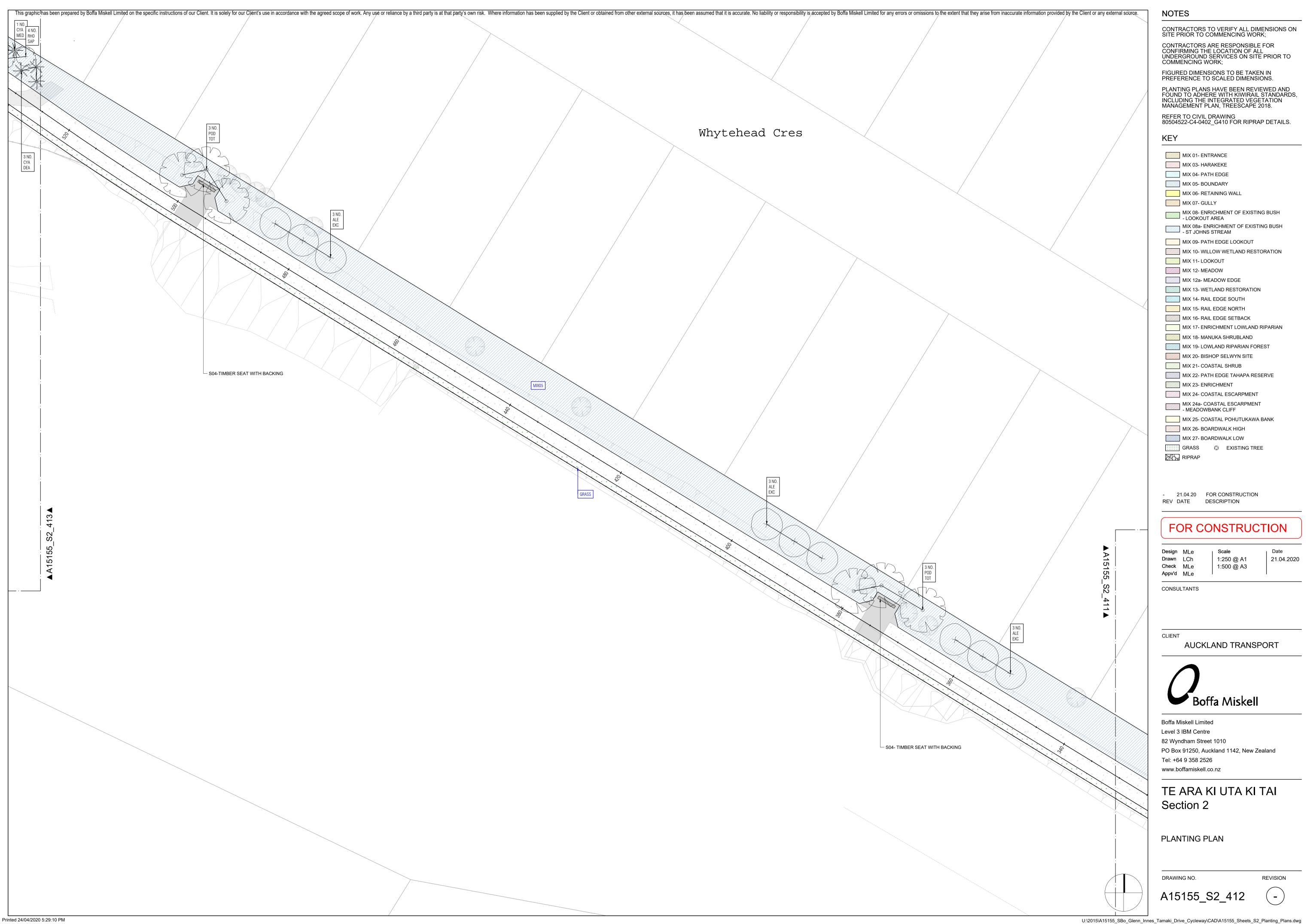
PLANTING SCHEDULE

DRAWING NO.

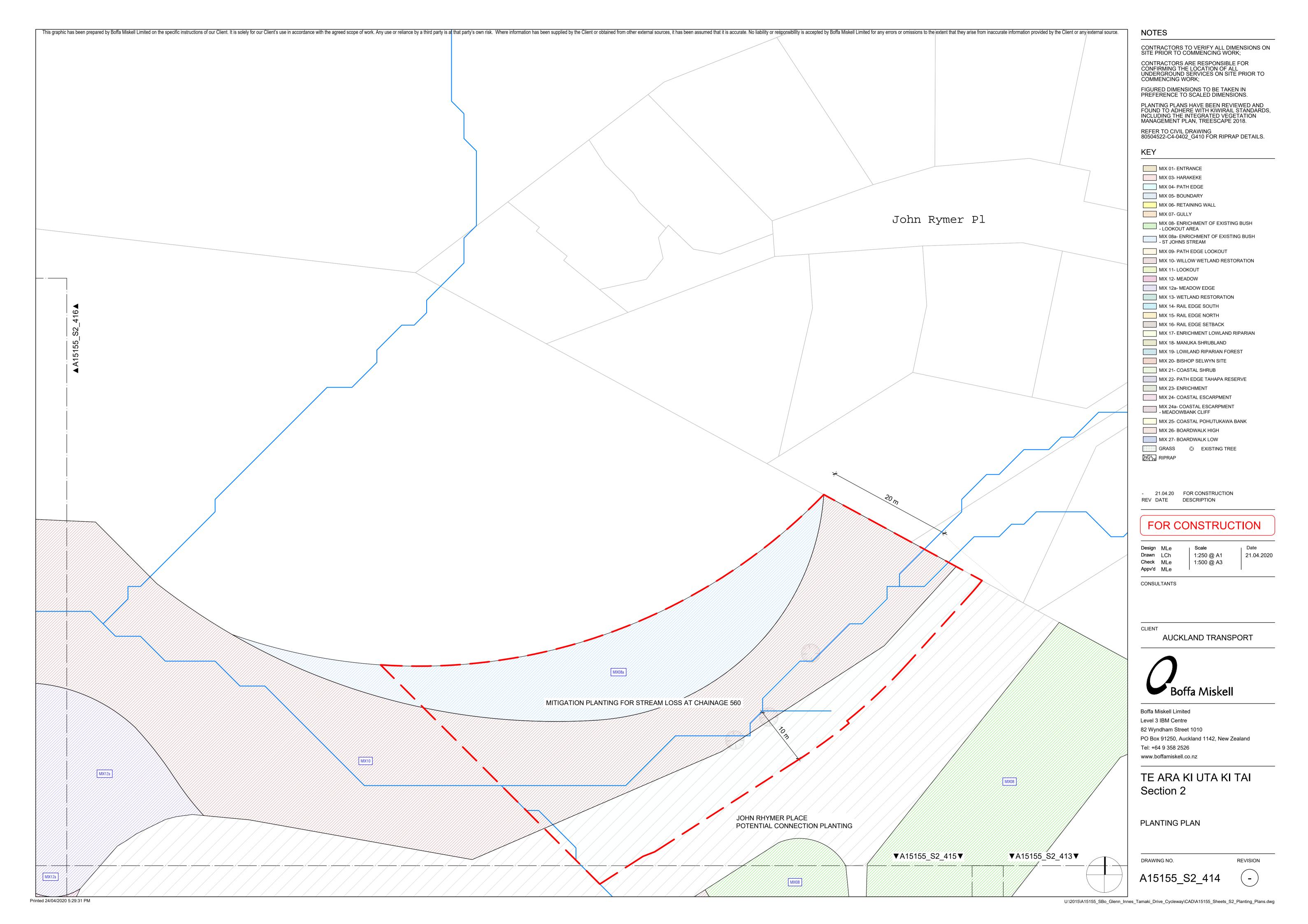
REVISION

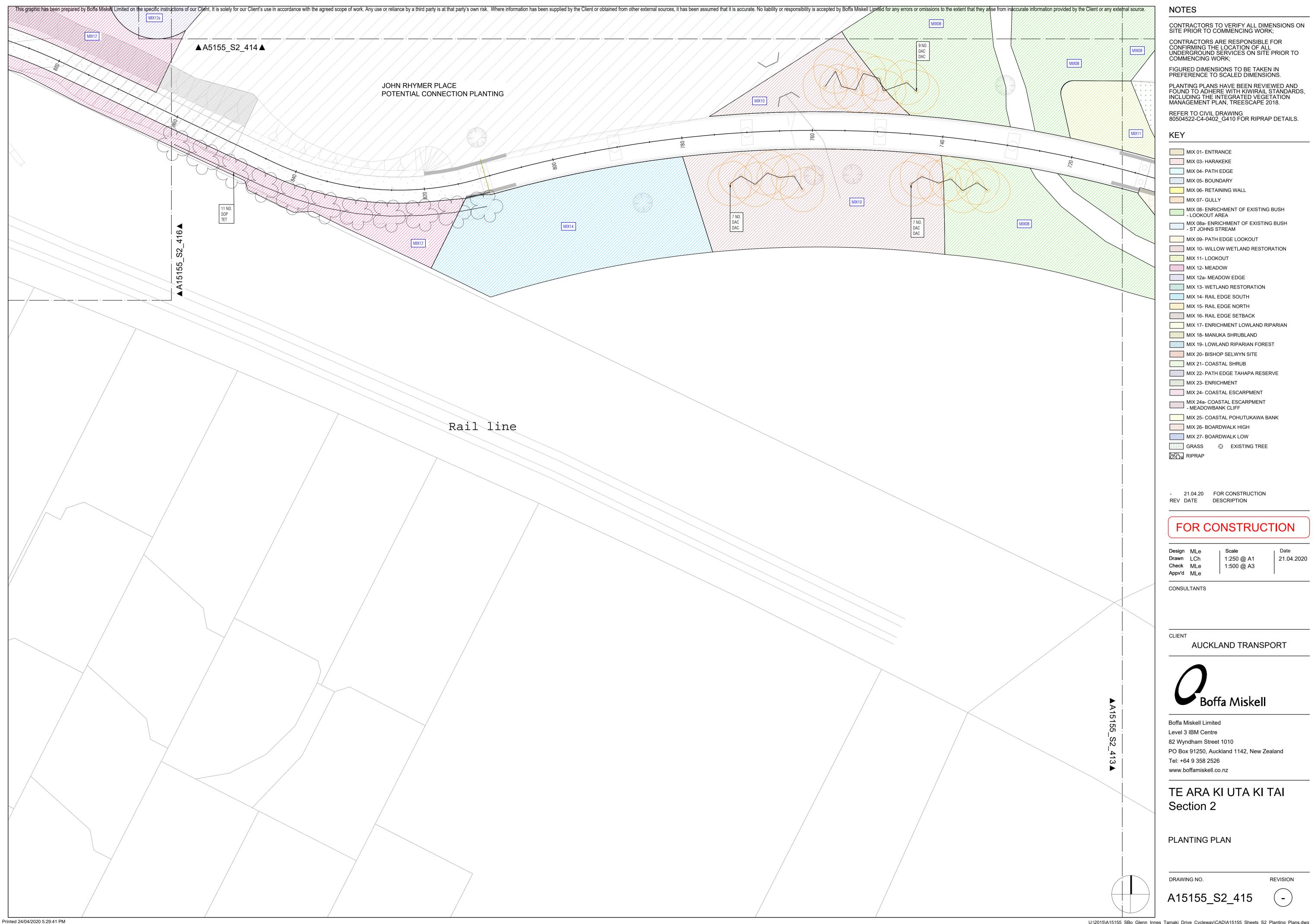


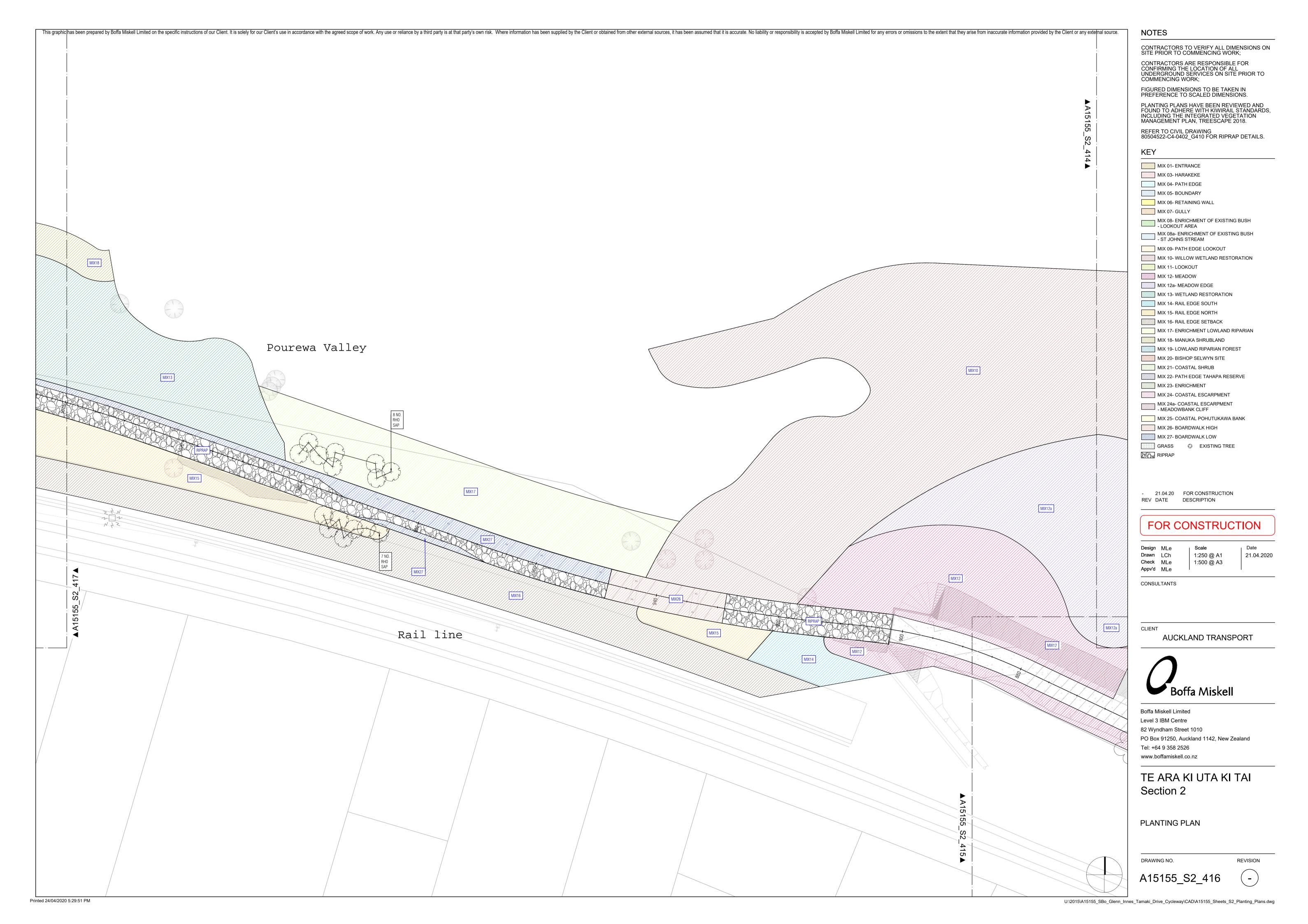


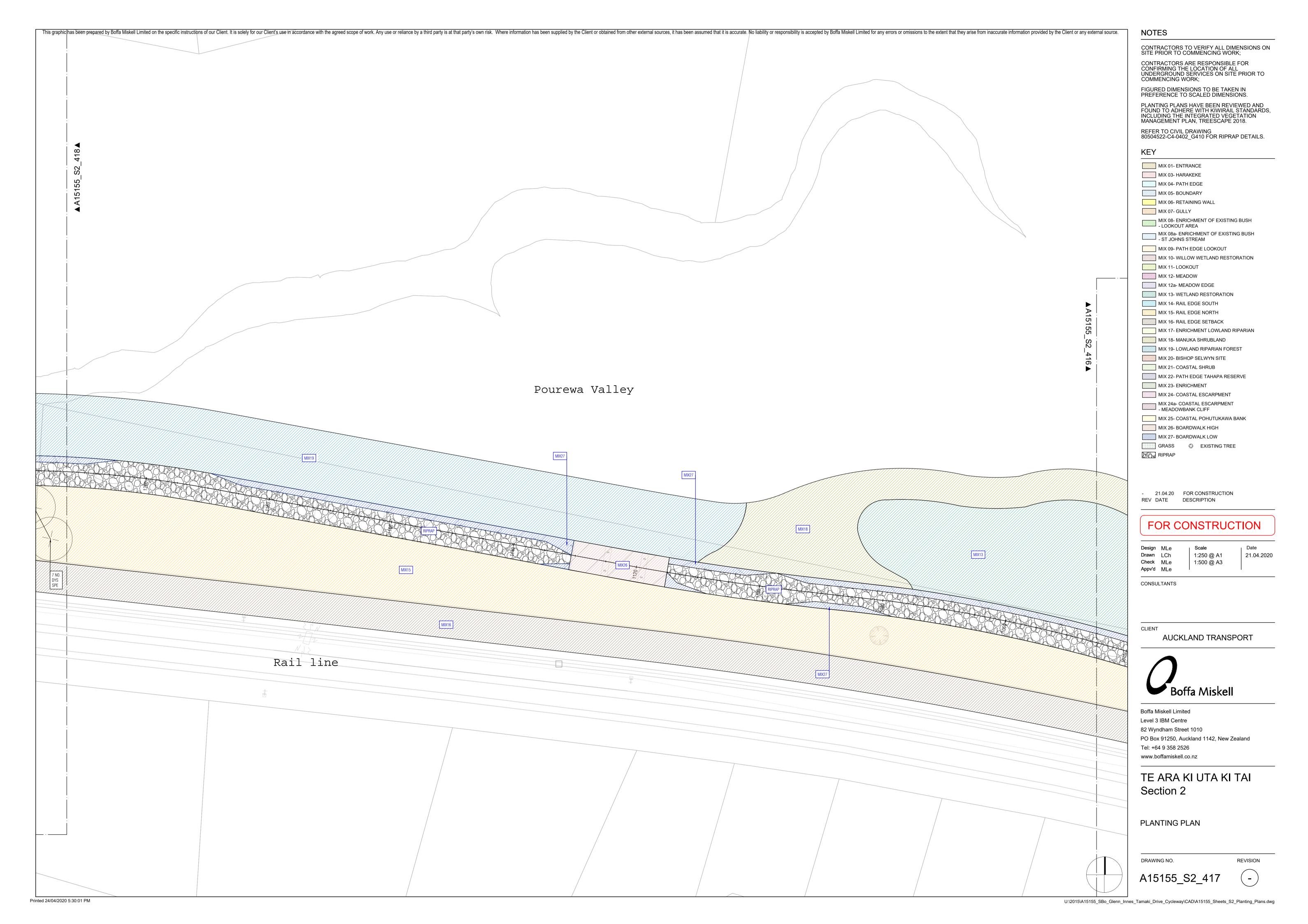


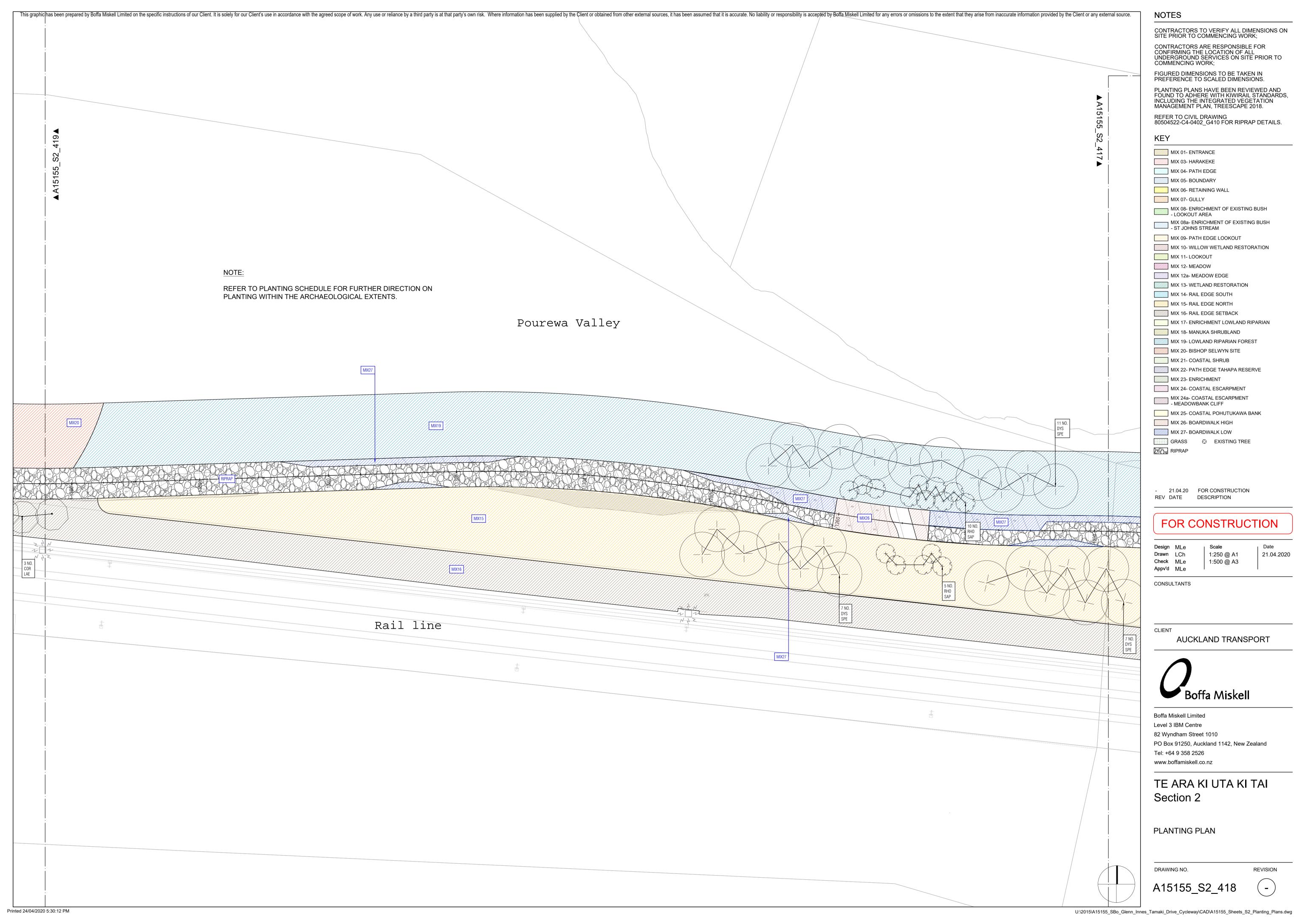


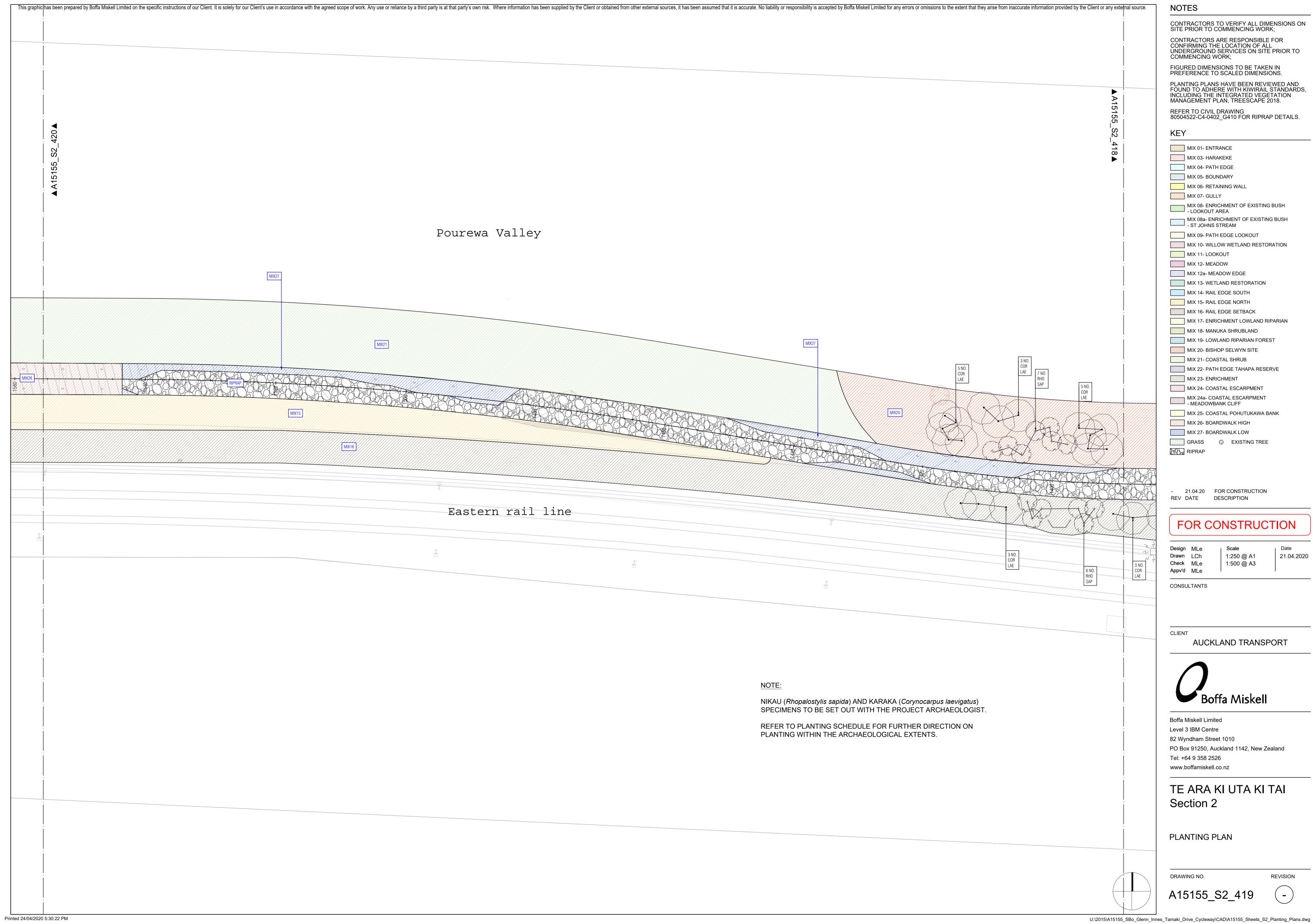


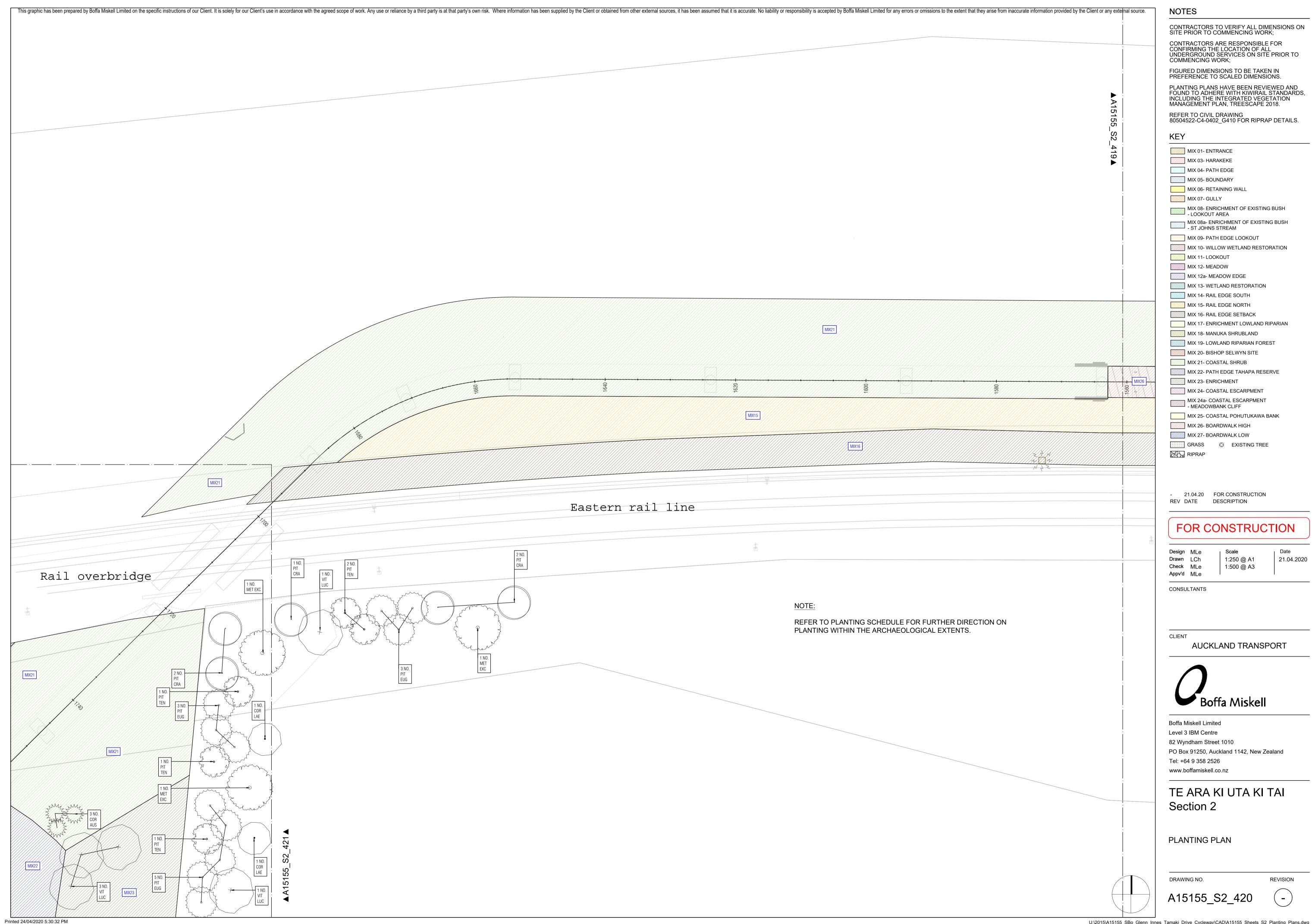


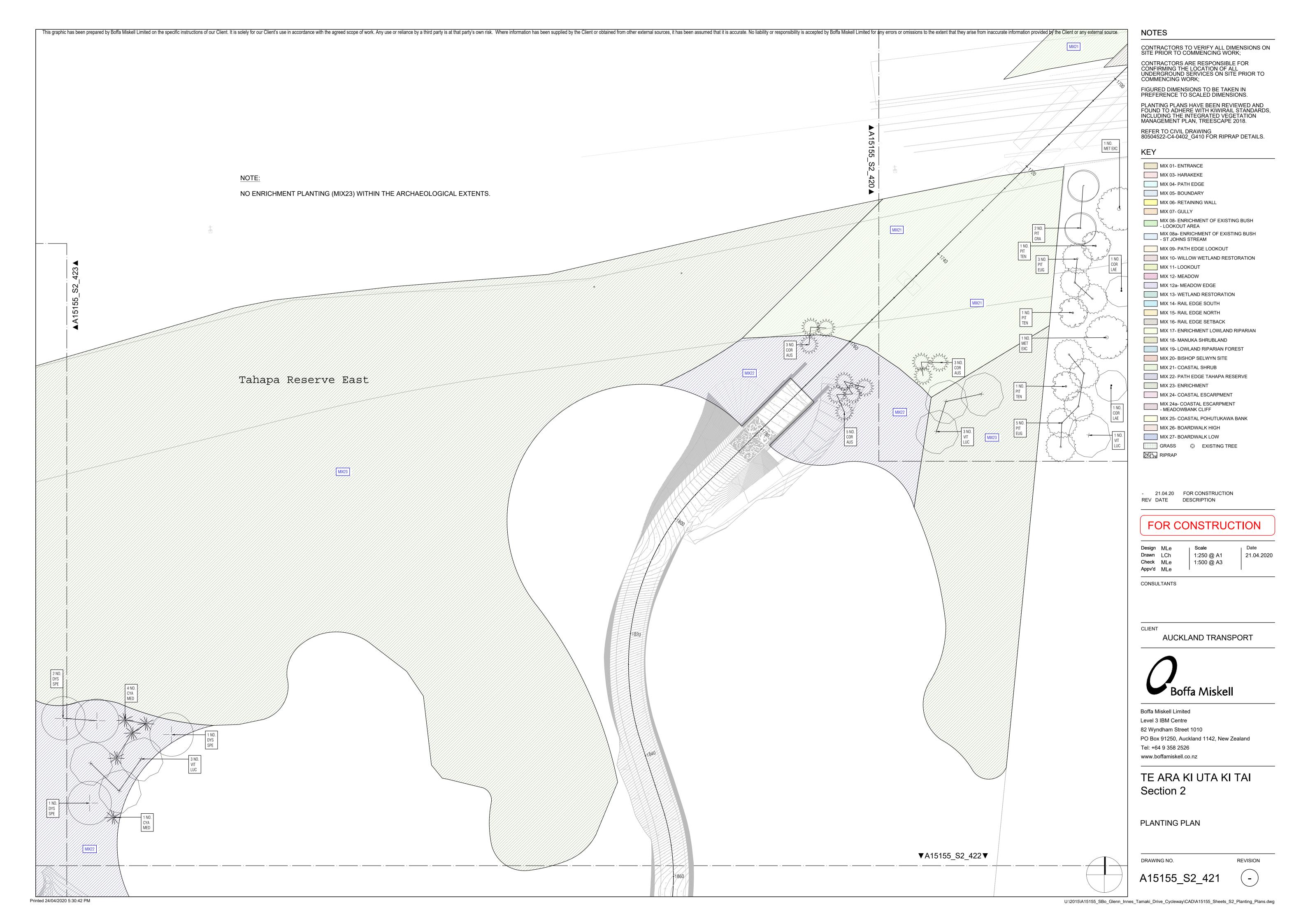


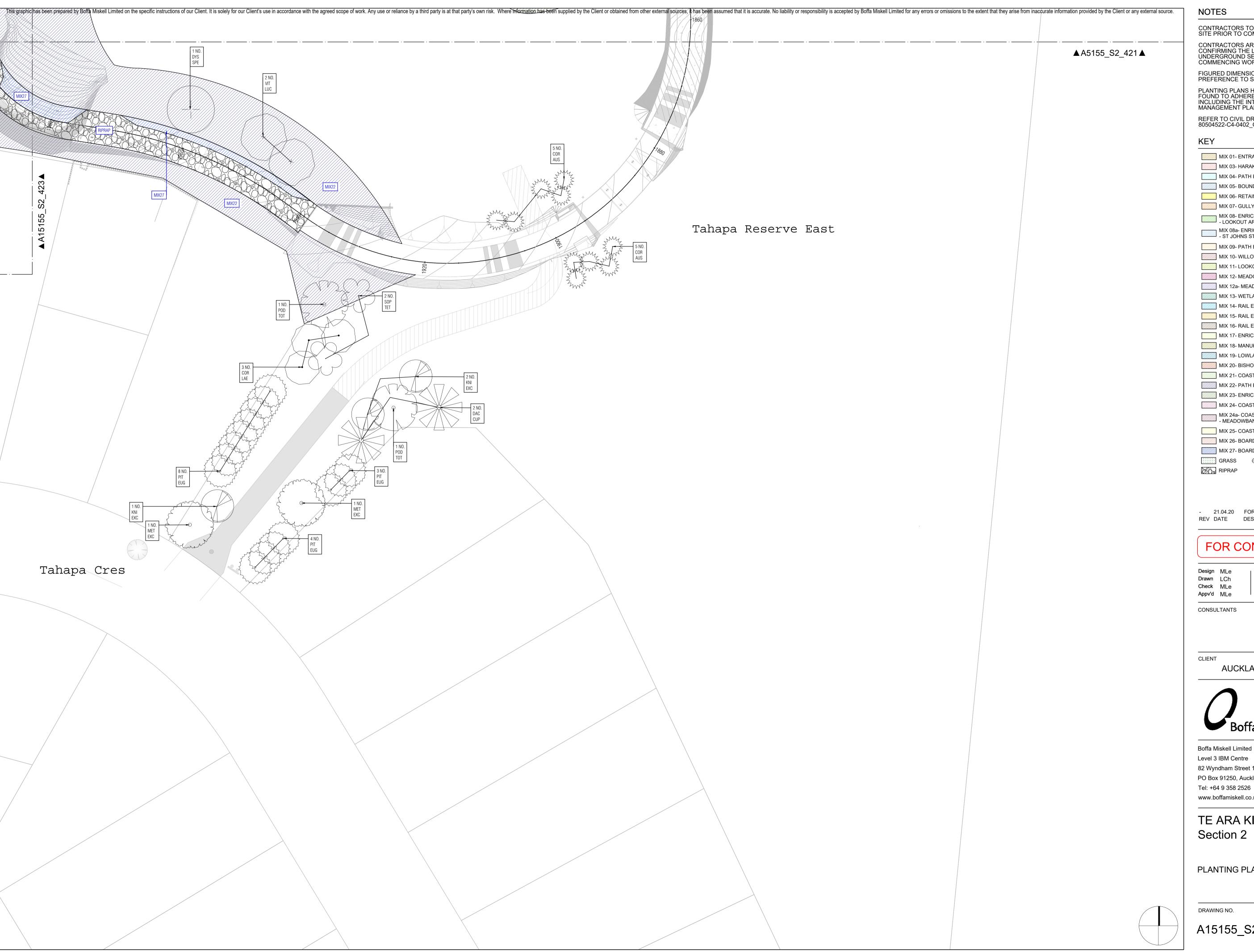












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REFER TO CIVIL DRAWING 80504522-C4-0402_G410 FOR RIPRAP DETAILS.

KEY

MIX 01- ENTRANCE MIX 03- HARAKEKE MIX 04- PATH EDGE

MIX 05- BOUNDARY MIX 06- RETAINING WALL

MIX 07- GULLY MIX 08- ENRICHMENT OF EXISTING BUSH - LOOKOUT AREA

MIX 08a- ENRICHMENT OF EXISTING BUSH - ST JOHNS STREAM MIX 09- PATH EDGE LOOKOUT MIX 10- WILLOW WETLAND RESTORATION

MIX 11- LOOKOUT MIX 12- MEADOW

MIX 12a- MEADOW EDGE MIX 13- WETLAND RESTORATION MIX 14- RAIL EDGE SOUTH

MIX 15- RAIL EDGE NORTH MIX 16- RAIL EDGE SETBACK MIX 17- ENRICHMENT LOWLAND RIPARIAN

MIX 18- MANUKA SHRUBLAND MIX 19- LOWLAND RIPARIAN FOREST MIX 20- BISHOP SELWYN SITE

MIX 21- COASTAL SHRUB MIX 22- PATH EDGE TAHAPA RESERVE MIX 23- ENRICHMENT

MIX 24- COASTAL ESCARPMENT MIX 24a- COASTAL ESCARPMENT
- MEADOWBANK CLIFF

MIX 25- COASTAL POHUTUKAWA BANK MIX 26- BOARDWALK HIGH MIX 27- BOARDWALK LOW

GRASS G EXISTING TREE RIPRAP

21.04.20 FOR CONSTRUCTION REV DATE DESCRIPTION

FOR CONSTRUCTION

Scale 1:250 @ A1 21.04.2020 Drawn LCh

1:500 @ A3 Check MLe Appv'd MLe

CONSULTANTS

AUCKLAND TRANSPORT



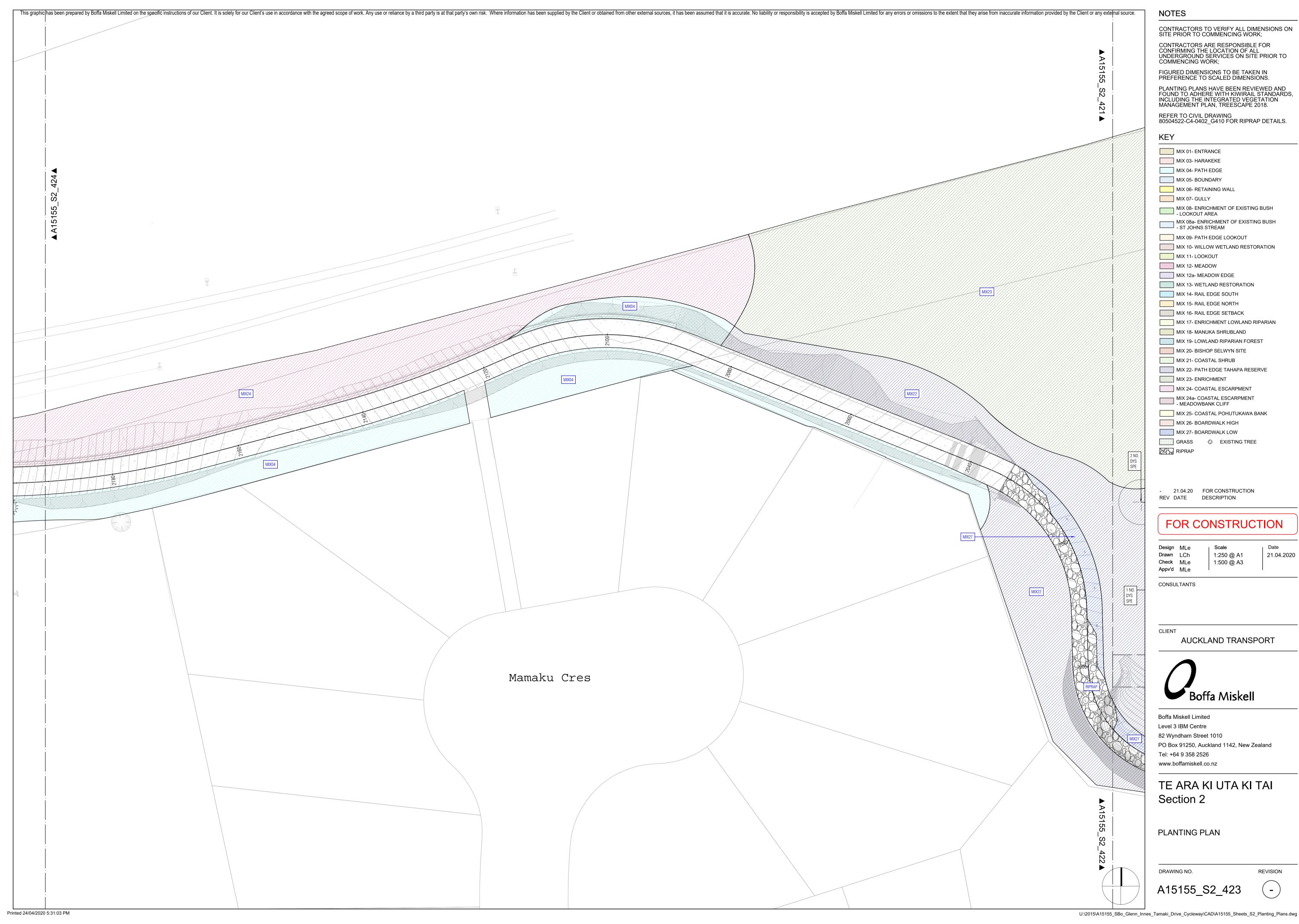
Level 3 IBM Centre 82 Wyndham Street 1010 PO Box 91250, Auckland 1142, New Zealand

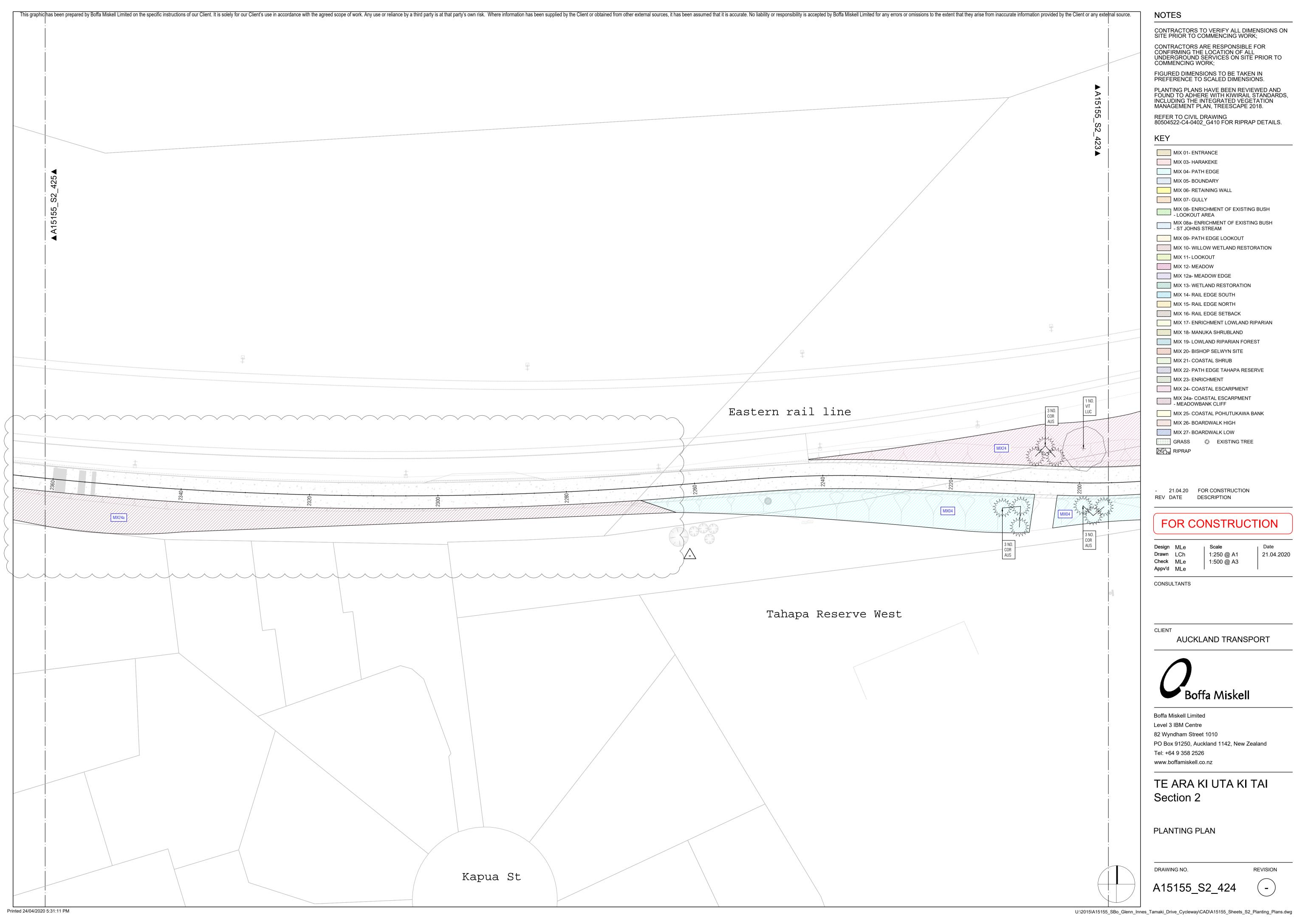
Tel: +64 9 358 2526 www.boffamiskell.co.nz

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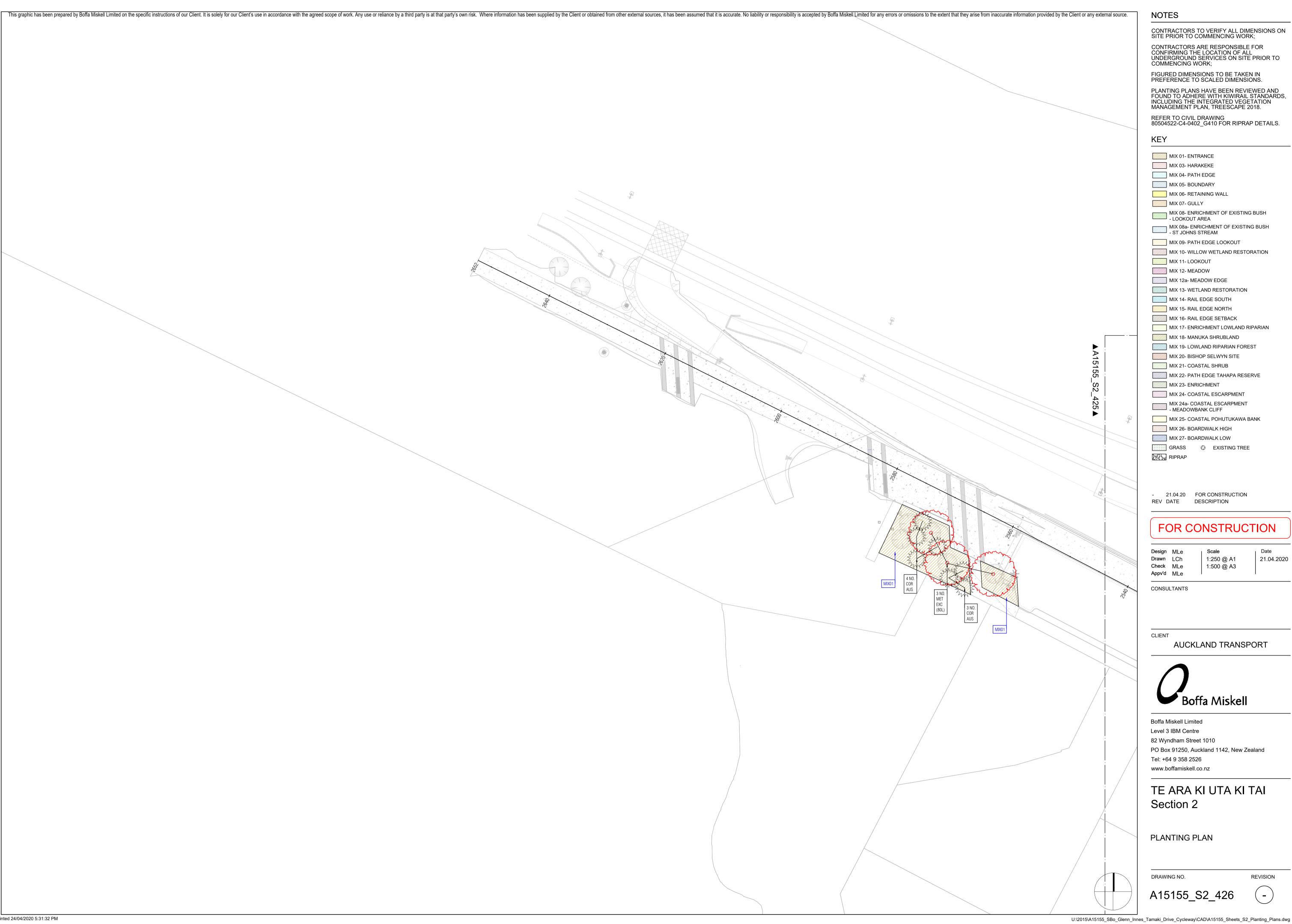
PLANTING PLAN

DRAWING NO.









CONTRACTORS ARE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UNDERGROUND SERVICES ON SITE PRIOR TO

PLANTING PLANS HAVE BEEN REVIEWED AND FOUND TO ADHERE WITH KIWIRAIL STANDARDS, INCLUDING THE INTEGRATED VEGETATION MANAGEMENT PLAN, TREESCAPE 2018.

MIX 08- ENRICHMENT OF EXISTING BUSH - LOOKOUT AREA

MIX 08a- ENRICHMENT OF EXISTING BUSH - ST JOHNS STREAM

MIX 10- WILLOW WETLAND RESTORATION

MIX 17- ENRICHMENT LOWLAND RIPARIAN

MIX 19- LOWLAND RIPARIAN FOREST

MIX 24- COASTAL ESCARPMENT

MIX 25- COASTAL POHUTUKAWA BANK

GRASS & EXISTING TREE

FOR CONSTRUCTION

1:500 @ A3

21.04.2020

PO Box 91250, Auckland 1142, New Zealand

TE ARA KI UTA KI TAI

REVISION