



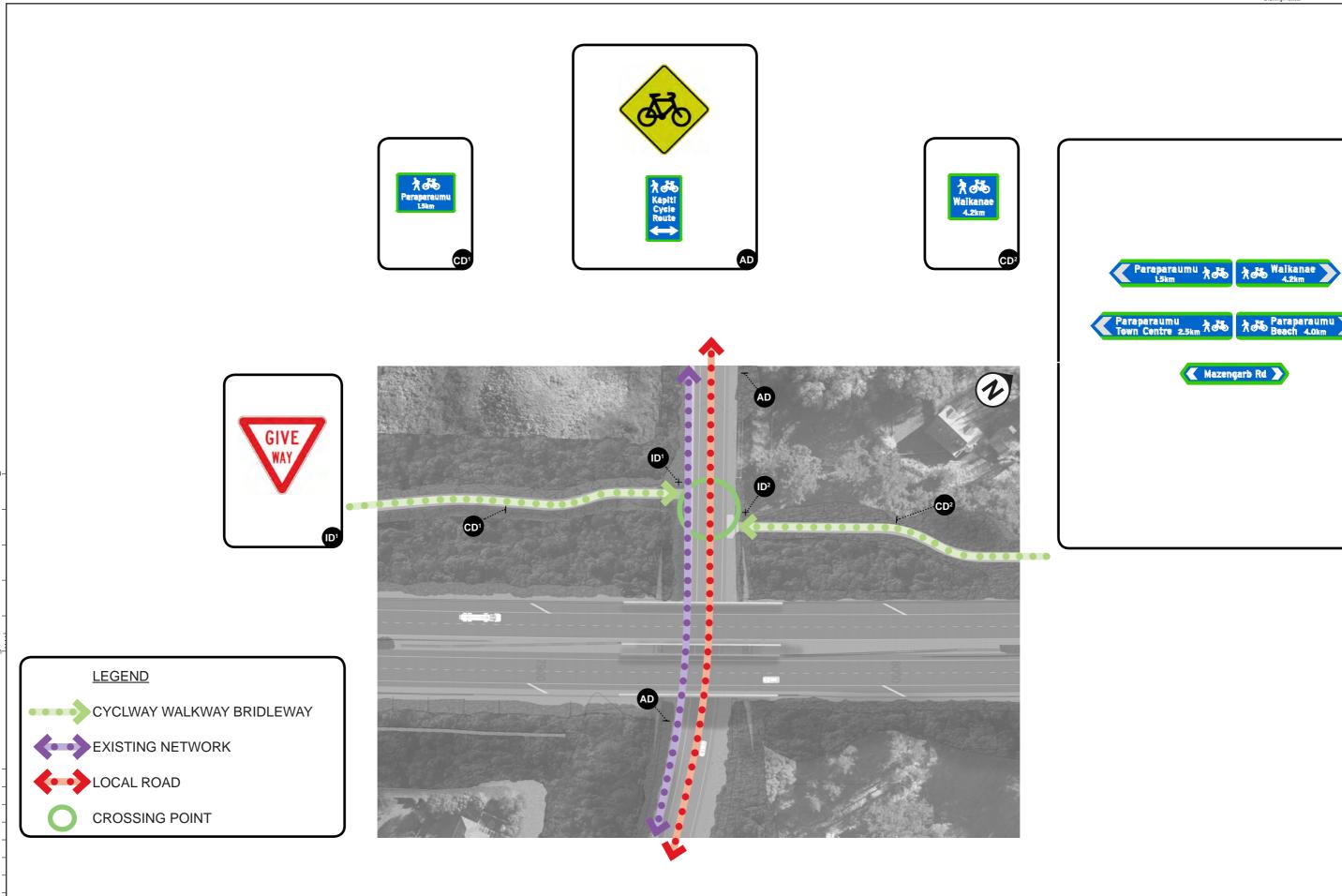
SH1 MACKAYS TO PEKA PEKA EXPRESSWAY RP 1012/0.00 TO 1023/5.00

SHEET 20 INDICATIVE MAZENGARB BRIDGE LIGHTING

M2PP-121-D-DWG-8703

С

LIGHTING VISUALISATION - MAZENBARG ROAD BRIDGE CROSSING (WEST SIDE OF EXPRESSWAY LOOKING EAST)



							11	Original	Design	SD	21/07/14	Approved For Construction*
							11	Scale (A1)	Drawn	VB	21/07/14	Cuisiuciuii
							11	AS SHOWN Reduced	Dsg Verifier			
С	CERTIFIED ISSUE - REV C	VB			DC	21.07/14	11	Scale (A3)	Dwg Check			Date
No	Rovision	By	Chk	Chk V	Annd	Date	1	AS SHOWN	* Refer to Revision 1 for Original Signature			



SH1 MACKAYS TO PEKA PEKA **EXPRESSWAY** RP 1012/0.00 TO 1023/5.00

SHEET 21 SIGNAGE LOCATION PLAN M2PP-121-D-DWG-8902

100-

TYPICAL SIGN TYPES:

AI - ADVANCED INFO SIGNS

AT START OF ROUTE. INCLUDES:

- MAP & INFO
- LENGTH & DURATION OF RIDE / WALK

Al - Advance Information Signs are not an essential requirement for public access tracks or cycle routes, nor are they standardised in terms of their design and layout. These signs may, if desired and appropriate, be installed at or near the start point of the route to provide detailed information, such as a map and information about the length and duration to ride etc. These signs should be clearly visible from the road, allowing cyclists and pedestrians a safe place to stop clear of the roadway or cycleway to read the information.

BE - BEGINNING AND ENDING SIGNS



BEGINS



BE - Begins/Ends Signs are used to indicate the start and/or end point of a cycle route. They will include route specific information. Route Begins Signs should be installed on the left hand side of the CWB immediately beyond or adjacent to any advance information sign or at a logical starting point for the cycle route.

ID - INTERSECTION DIRECTION



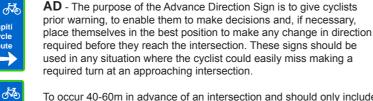
ID - The Intersection Direction Sign is located at or as near as possible to the actual intersection. Should include both Information about the destination and the distance.

Multiple sighs and destinations to be on one post

AD01 - ADVANCED DIRECTION SIGN - ON LOCAL ROAD APPROACHING CWB







To occur 40-60m in advance of an intersection and should only include Information about the destination, not the distance.

CD - CONFIRMATION DIRECTION



CD - The Confirmation Direction Sign is used to confirm the direction/ destination of travel after an intersection it is intended to provide assurance to cyclists. The CD sign features a straight ahead arrow and should include both Information about the destination and the distance.

As a general rule of thumb, these signs should be installed; between 20-50m beyond an intersection where an Advance Direction Sign has been used and should generally be visible from that intersection;

Cyclists should see a CD sign at least every 15-30 minutes of typical cyclist travel, or every 5-10 km.

AD - ADVANCED DIRECTION - ON CWB





AD - The purpose of the Advance Direction Sign is to give cyclists prior warning, to enable them to make decisions and, if necessary, place themselves in the best position to make any change in direction required before they reach the intersection. These signs should be used in any situation where the cyclist could easily miss making a required turn at an approaching intersection.

To occur 40-60m in advance of an intersection and should only include Information about the destination, not the distance.

NZTRANSPORT

J AGENCY

LOCAL ROAD INTERSECTION SIGNS



LR + GW - Local road (LR) and Giveway (GW) signs should to be used where the CWB crosses a local road. These are to be located at or as near as possible to the actual intersection. Where possible the LR should be kept to one per intersection and be able to be read by people on either side of the intersection. Both the LR and GW should share the same post and or be incorporateted onto an existing post.

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Ī	No.	Revision	Ву	Chk	Chk.V	Appd	Date	1

7/14	Approved For Construction*	
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	Date	

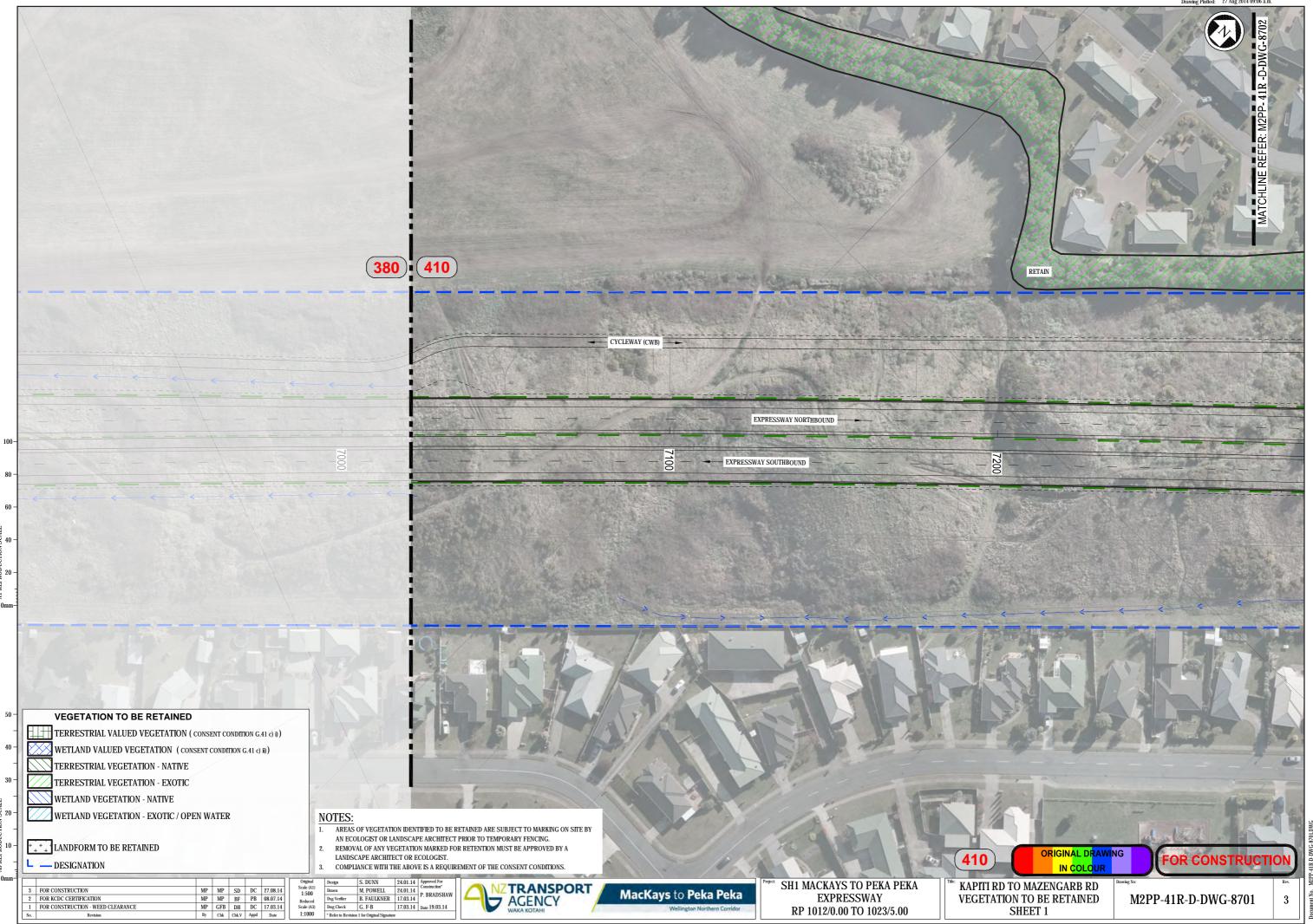
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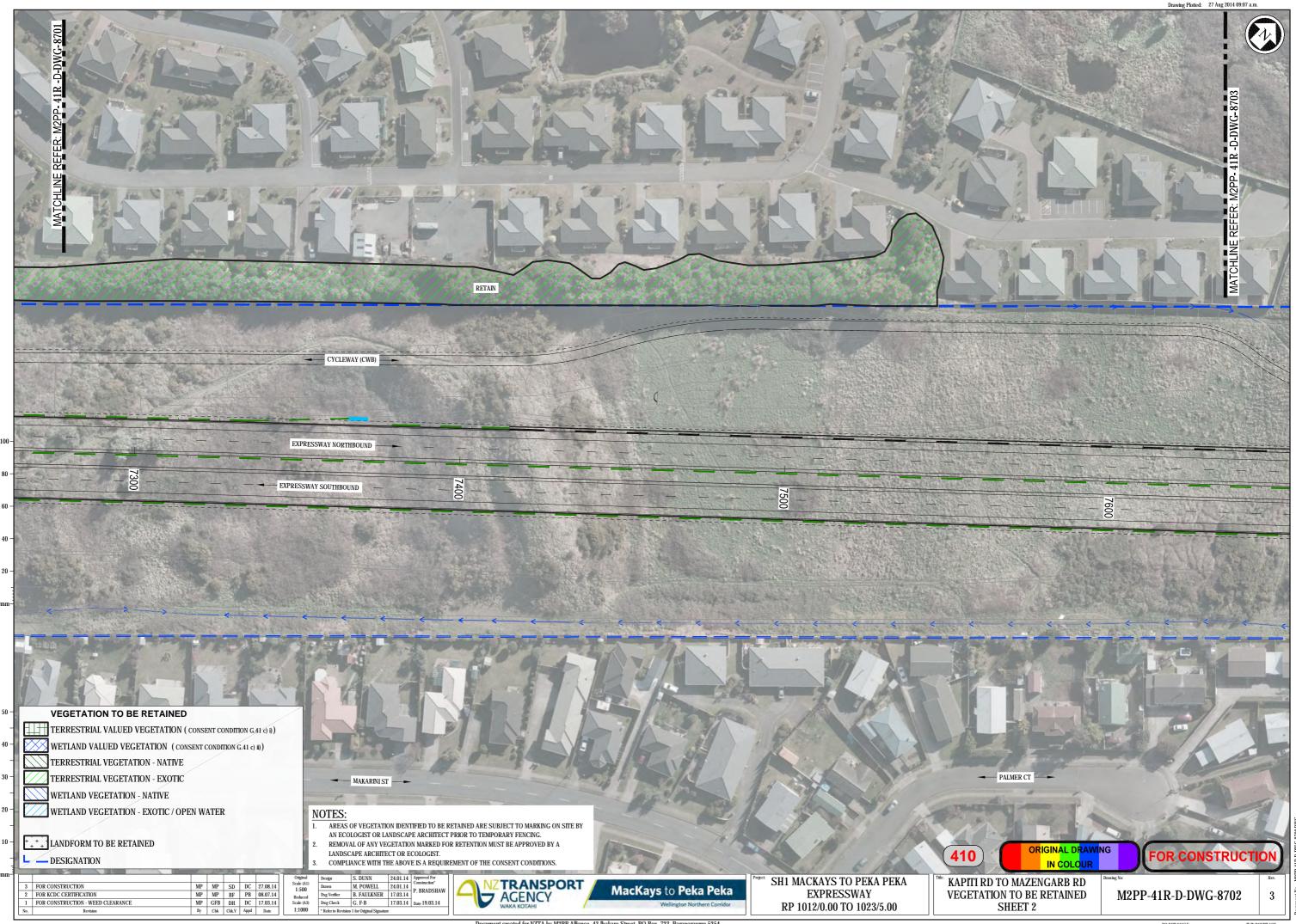
SH1 MACKAYS TO PEKA PEKA **EXPRESSWAY** RP 1012/0.00 TO 1023/5.00

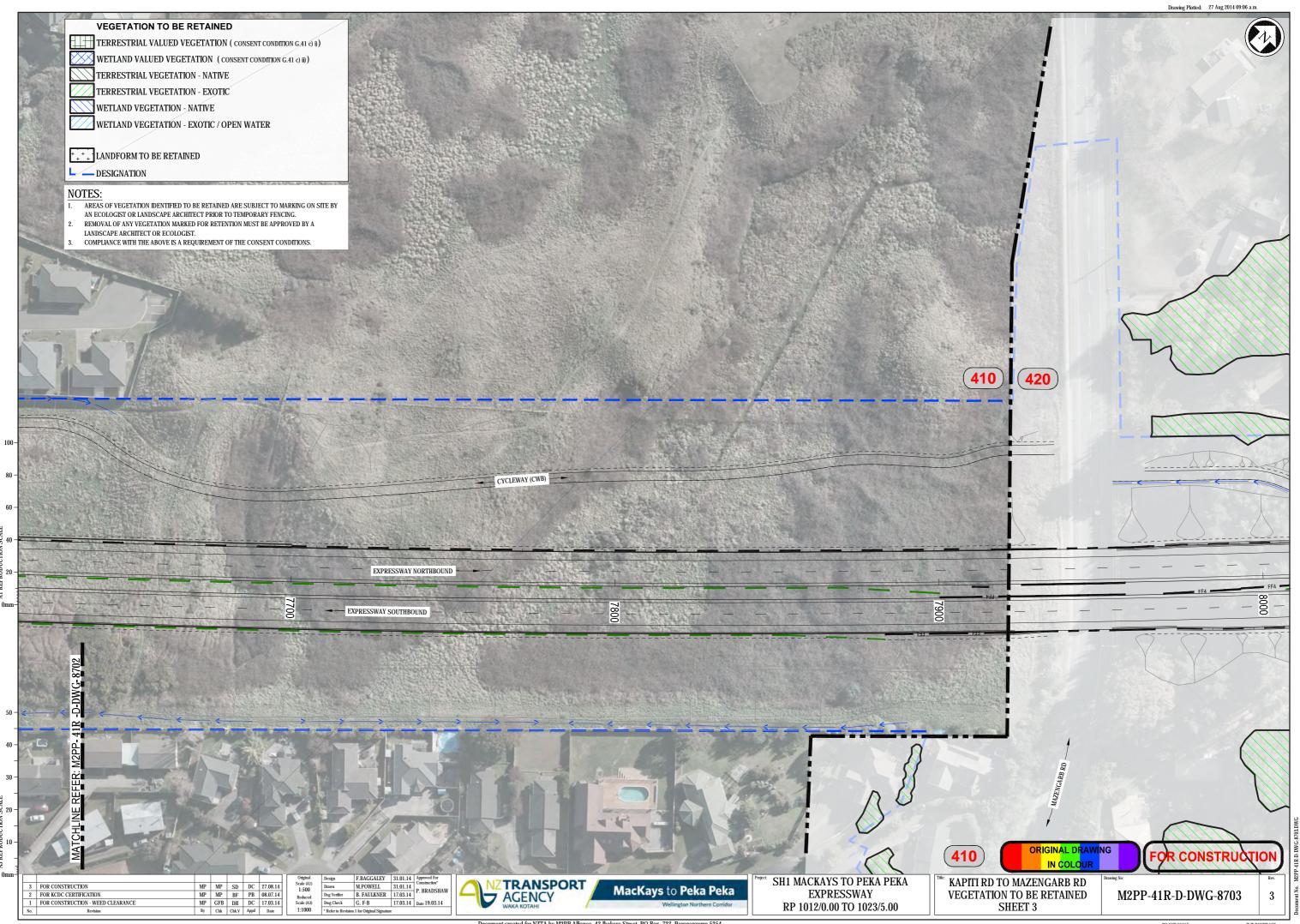
SHEET 22 CWB SIGN TYPE SUMMARY

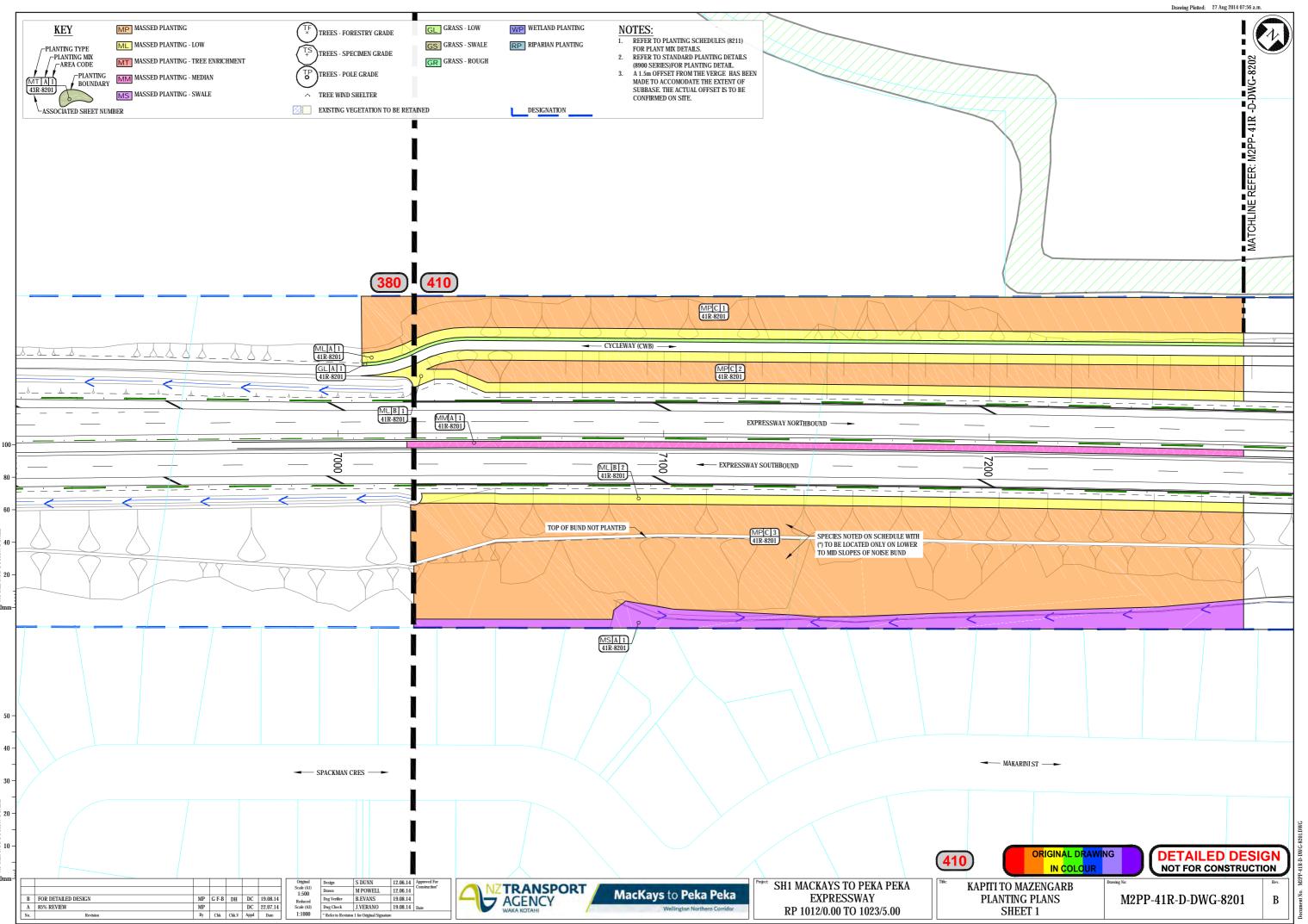
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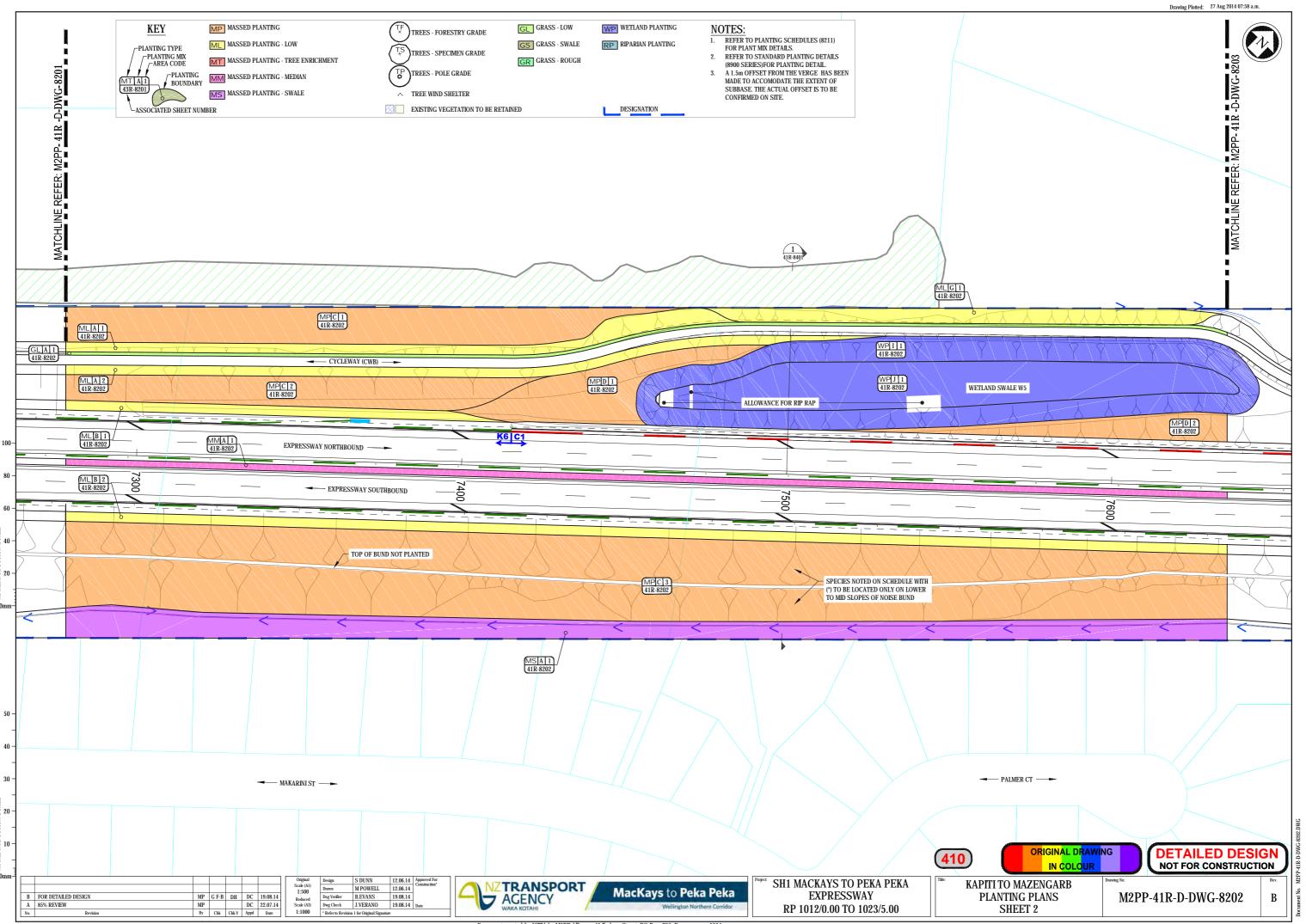
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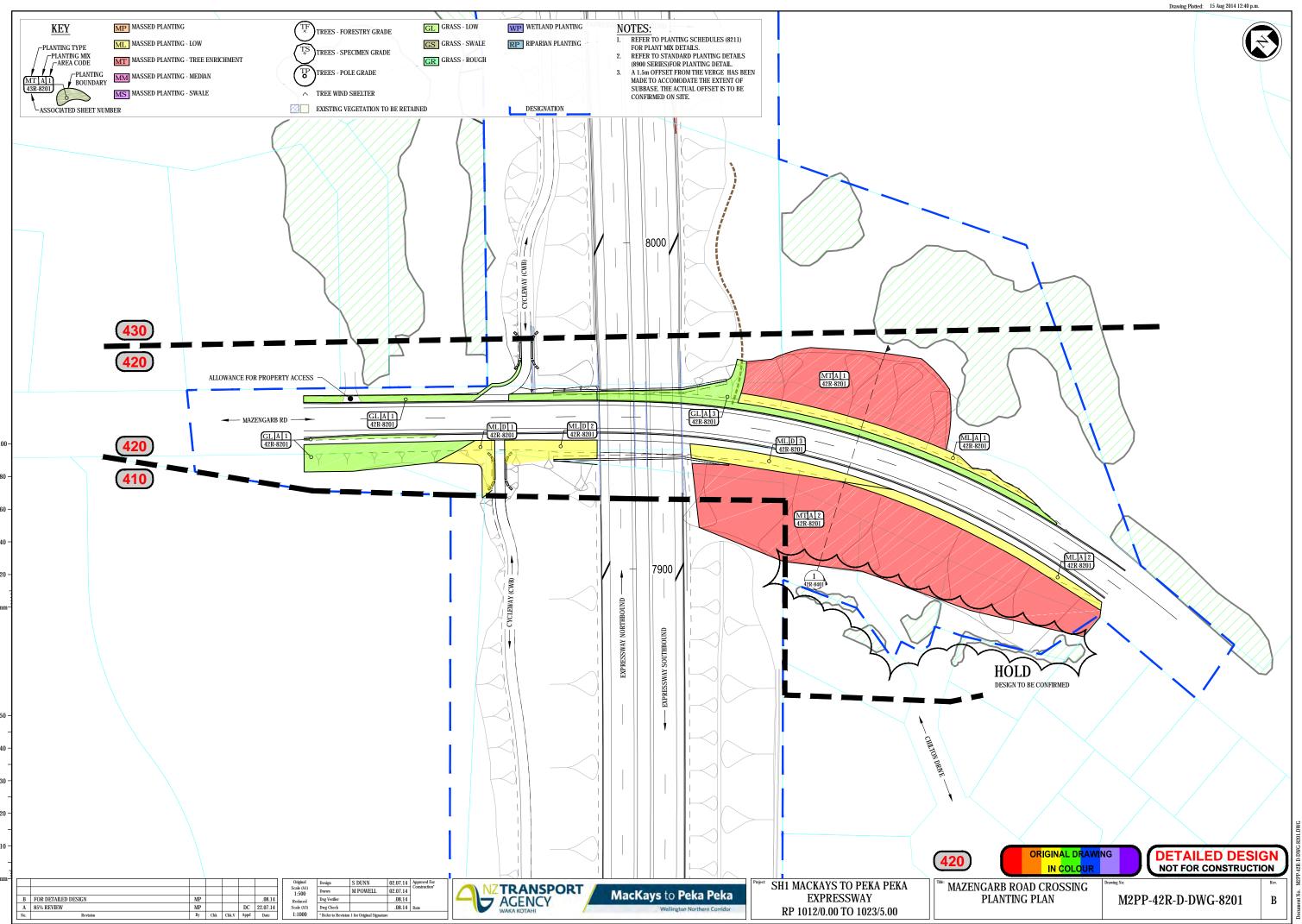






RP 1012/0.00 TO 1023/5.00

SHEET 3



AREA 63822 m² AREA ADJUSTED FOR SLOPE 65208 m²

MT MIX = 1.0M CRS MASSED PLANTING, ENRICHMENT 10.0M CRS, PLANT CENTRES (METRES)

MULCH TYPE OM = ORGANIC MULCH, GM = GRADED GRAVEL MULCH, BC = BIOCOIR

PLANT EANN BOTANICAL NAME					MULCH TYPE OM = ORGANIC MU JULCH (IN RIPARIAN / WETLAND ZONES)	N = NO M		
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Minelabenbecha compless	475 r	front edge	10%	1.0 litre	Wiwi, Knobby club rush	Ficinia nodosa	Α	ML
MASSED LOW EDGE PLANTING. ADJACENT TO EXPRESSWAY	475 n		10%	1.0 litre	Koramika		A	ML
Mile	950 r	front edge	20%	1.0 litre	Pohuehue, wire vine			
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MP C *Sophora microphylla Kowhai 1.0 litre 3% MASSED PLANTING - SCREEN NOISEWALL, ADIOINS A WETLAND MP D Austroderia fulvida syn Cortaderia, toetoe 1.0 litre 5% MP D Phormium tenax Harakeke, Flax 1.0 litre 10% MP D Coprosma propinqua Mingimmg 1.0 litre 10% MP D Coprosma tenuicaulis Hukihuki, swamp Coprosma 1.0 litre 5% MP D Cordyline australis Ti kouka 1.0 litre 10% large groups	2639 n	 				-		
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MP D Coprosma tenuicaulis Hukihuki, swamp Coprosma 1.0 litre 5% MP D Cordyline australis Ti kouka 1.0 litre 10% large groups	150 r					-		
MP D Cordyline australis Ti kouka 1.0 litre 10% large groups	/5 n						•	
MP D leptospermum scoparium Manuka 1.0 litre 21%	150 r	large groups						
	316 r		21%	1.0 litre	Manuka	leptos permum scoparium	D	MP
MP D Pseudopanax crassifolius Horoeka, Lancewood 1.0 litre 7%	105 m	1	,	•	,	•		
MP D Carex secta Pukio, Purei 1.0 litre 10%	150 r	<u> </u>			-	-		
MP D Cyperus ustulatus Toetoe upokotangata, Giant umbrel 1.0 litre 20%	301 r						•	
MP D Dacrycarpus dacrydioides Kahikatea Pb18 2% mid 20ne group	30 r	mid zone groups	2%	Pb18	Kahikatea	Dacrycarpus dacrydioides	D	MP

	D PLANTIN	G + TREE ENRICHMENT - GENERAL HARDY M	IIX (LINK TO 430)					
MT	A	Ar stotelia serrata	Makomako	1.0 l tre	5%		581	no
MIT	A	Carpodetus serratus	Putaputaweta	1.0 Ftre	5%		581	no .
MT	Α.	Coprosma areolata	Thin leaved Coprosma	1.0 litre	5%		581	no
MT	A	Coprosma repens	Taupata	1.0 litre	5%		581	na
MT	A	Coprosma robusta	Karamu	1.0 litre	5%	east toe of bund	581	no
MT	.Α	Griselinia lucida	Puka, Broadleaf	1.0 litre	5%		581	no
MT	A	Hepe strictà	Koromiko	1.0 tre	5%	east toe of bund	581	no
MT	.Α	Kunzea ericoides	Kanuka	1.0 Ftre	15%		1742	no
MT	,A	Leotos permum scoparium	Manuka	1.0 Ftre	10%		1161	no
MT	A	Me "cope ternata	Wharangi	1.0 l'tre	5%	east toe of bund	581	no
MT	A	Me l'cytus ramiflorus	Mahoe	1.0 litre	5%		581	no
MT	A	Myoporum laetum	Ngaio	1.0 litre	5%		581	no
MIT	A	Myrsine austral's	Mapou, Matipo	1.0 Ftre	5%		581	no .
MT	Α.	O earia solandri	Coastal tree daisy	1.0 litre	5%		581	no
MT	A	Phormium tenax	Harakeke, Flax	1.0 Ftre	5%	east toe of bund	581	no
MT	A	Pittos parum eugeniaides	Tarata, Iemonwood	1.0 litre	5%		581	no
MT	Α	Pittosparum tenuifalium	Kohuhu	1.0 litre	5%		581	ng
MIT	A	*Knightia exce sa	Rewarewa	Pb18	30%	enrich	348	nė
MT	.Α	*Podocaropus totara	Totara	Pb18	10%	enrich en	116	no
MIT	A	Alectryon exce sus	T: toki	P618	20%	enrich	232	no
MT	A	*Dysoxylum spectabile	Kohekohe	Pb18	40%	enrich	465	no
WETLA	ND PLANT	NG - EDGE BARRIER AND NOISEWALL SCREE	NING					
WP	J	Canexis ecta	Pukio, Pure'	0.5 lître	40%		1879	no
WP	i	Condyline australis	Ti kouka	1.0 litre	5%		235	no
₩P		Cyperus ustulatus	Toetoe upokotangata, Giant umbrella sedge	0.5 litre	30%	cwb edge	1410	no .
WP		Leptoš permu m scoparium	Manuka	1.0 □ tre	15%	noise wall edge and groups to CWB	705	_
WP	1	Phormium tenax	Harakeke, Flax	0.5 ITtre	10%	noise wall edge	470	no .
	ND PLANT	NG - WETLAND SWALE WS LOWER SLOPES A	AND BASE					<u> </u>
WP	J	Carex secta	Pukio, Pure'	0.5 l*tre	30%		1113	ሳዕ
WP	J	Carex geminata	Cutty grass,		50%		1855	no .
WP	J	Cyperus ustulatus	Toetoe upokotangata, Giant umbrella sedge	0.5 l*tre	20%		742	no
	D MEDIAN							<u> </u>
MM	A	Ficinia nodosa	Wiwi, Knobby club rush	1.0 litre	100%		3083	no .
MASSED SWALE PLANTING								
M5	Α	Apodasmia simi is	Oioi	0.5 l*tre	100%	no maich	8579	no
GRASS								l
GL	А	Grass low grow mix	sown, close mow to 100mm	sow			1933	m²

PLANTING SCHEDULE

| S DUNN | 23.06.14 | Approved For Construction* | .08.14 | .08.14 | Date A FOR DETAILED DESIGN





SH1 MACKAYS TO PEKA PEKA **EXPRESSWAY** RP 1012/0.00 TO 1023/5.00

KAPITI TO MAZENGARB PLANTING SCHEDULE

M2PP-41R-D-DWG-8211