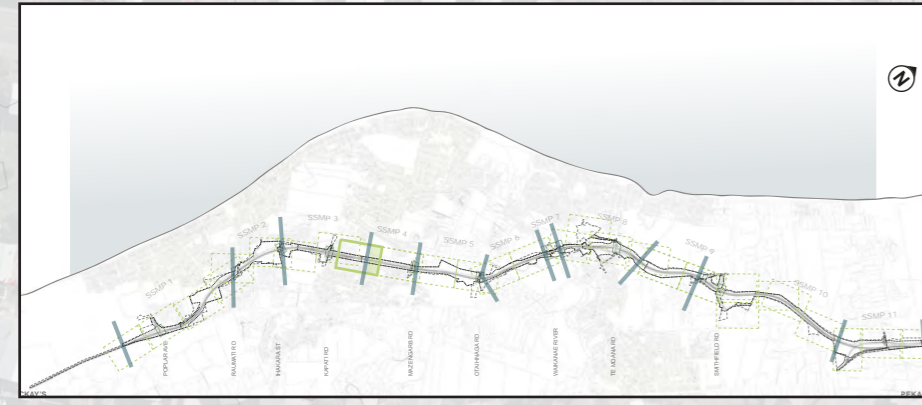


- KEY CPTED CONSIDERATIONS:**
- NO TALL BARRIERS OR ELEMENTS THAT CREATE 'OUTSIDE ROOMS'/PLACES TO HIDE.
 - CLEAR LINES OF SIGHT AT INTERSECTIONS.
 - ENSURE CLEAR VIEWS TO THE EXITS OF CWB.
 - REMOVE TALL VEGETATION FROM CWB INTERSECTIONS.
 - THE 'TAGGABILITY' OF MATERIALS AND SURFACES.
 - LOW PLANTING 5.0M WIDE FROM EDGE OF FOOTPATH ALONG MAZENGARB ROAD TO MAINTAIN LEGIBILITY AND ELIMINATE PLACES FOR HIDING.
 - LOW PLANTING AT BRIDGE ABUTMENTS.

A1 REPRODUCTION SCALE
0mm

A3 REPRODUCTION SCALE
0mm



General	Urban Design	Landscape	Ecology	CWB
— Designation Boundary	Concrete Bridge Barrier	Individual Retained Trees	Retained Valued Terrestrial Vegetation	Loose Chip CWB
- - - Wire Barrier	Concrete Noise Wall	Retained Vegetation	Retained Valued Wetland Vegetation	Chip Seal CWB
- - - W-Barrier	Culvert Headwall	Grass	Planted Indigenous Terrestrial Habitat	Concrete CWB
- - - Barrier Transition	Retaining Wall	Massed Planting with Tree Enrichment	Planted Indigenous Wetland Habitat	Existing Access Track or CWB
- - - Concrete Traffic Barrier	Concrete Traffic Barrier	Wetland / Riparian Planting	Stream Mitigation / Riparian Habitat	
- - - Culvert	Bridge Deck	Massed planting low	Existing Water Body	
- - - Swale	Bridge Abutment	Specimen Tree	Batter Slope	
- - - Planted Swale	Bridge Piers		Tadpole	
- - - Flood Storage Area	2.0M Timber Noise Fence			
● Visualisation Viewpoint				

C	CERTIFIED ISSUE - REV C	VB	DC	21/07/14
No.	Revision	By	Chk	Date

Original Scale (A1)	1:1000	Design	SD	21/07/14	Approved For Construction*
Roadwork Scale (A3)	1:2000	Drawn	VB	21/07/14	Date
		Checked			
		Appd			



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

Title: SSMP 4 [410-420] - SHEET 2 MASTERPLAN

Drawing No: M2PP-121-D-DWG-8101

Rev: C

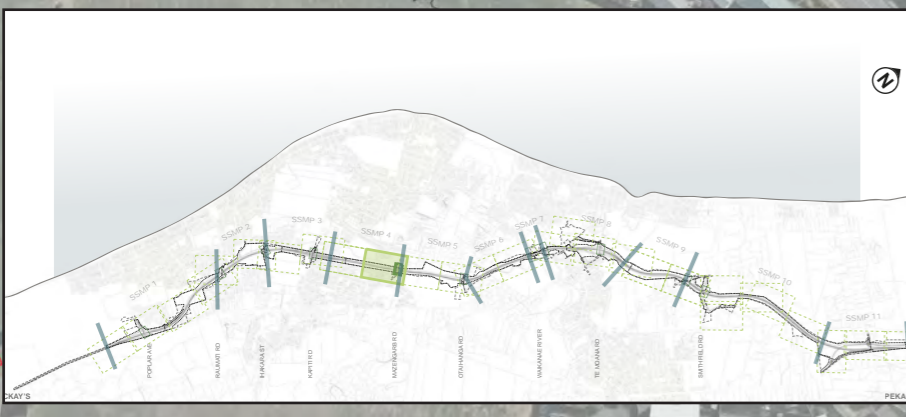
DETAIL DESIGN (DET)



A1 REPRODUCTION SCALE
0mm

A3 REPRODUCTION SCALE
0mm

- KEY CPTED CONSIDERATIONS:**
- NO TALL BARRIERS OR ELEMENTS THAT CREATE 'OUTSIDE ROOMS'/PLACES TO HIDE.
 - CLEAR LINES OF SIGHT AT INTERSECTIONS.
 - ENSURE CLEAR VIEWS TO THE EXITS OF CWB.
 - REMOVE TALL VEGETATION FROM CWB INTERSECTIONS.
 - THE 'TAGGABILITY' OF MATERIALS AND SURFACES.
 - LOW LEVEL ORIENTATION LIGHT AT MAZENGARB CROSSING POINT.
 - LOW PLANTING 5.0M WIDE FROM EDGE OF FOOTPATH ALONG MAZENGARB ROAD TO MAINTAIN LEGIBILITY AND ELIMINATE PLACES FOR HIDING.
 - LOW PLANTING AT BRIDGE ABUTMENTS.



General	Urban Design	Landscape	Ecology	CWB
— Designation Boundary	— Concrete Bridge Barrier	● Individual Retained Trees	— Retained Valued Terrestrial Vegetation	— Loose Chip CWB
- - - Wire Barrier	— Concrete Noise Wall	— Retained Vegetation	— Retained Valued Wetland Vegetation	— Chip Seal CWB
- - - W-Barrier	— Culvert Headwall	— Grass	— Planted Indigenous Terrestrial Habitat	— Concrete CWB
- - - Barrier Transition	— Retaining Wall	— Massed Planting	— Planted Indigenous Wetland Habitat	— Existing Access Track or CWB
- - - Concrete Traffic Barrier	— Bridge Deck	— with Tree Enrichment	— Stream Mitigation / Riparian Habitat	
— Culvert	— Bridge Abutment	— Wetland / Riparian Planting	— Existing Water Body	
— Swale	— Bridge Piers	— Massed planting low	— Batter Slope	
— Planted Swale	— 2.0M Timber Noise Fence	— Specimen Tree	— Tadpole	
— Flood Storage Area				
● Visualisation Viewpoint				

C	CERTIFIED ISSUE - REV C	VB	DC	21/07/14
No.	Revision	By	Chk	Date

Original Scale (A1)	Design	SD	21/07/14	Approved For Construction
1:1000	Drawn	VB	21/07/14	Date
Roadwork Scale (A3)	Drawn			
1:2000	Chk			
	Appd			



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

Title: SSMP 4 [410-420] - SHEET 3
MASTERPLAN

Drawing No: M2PP-121-D-DWG-8102

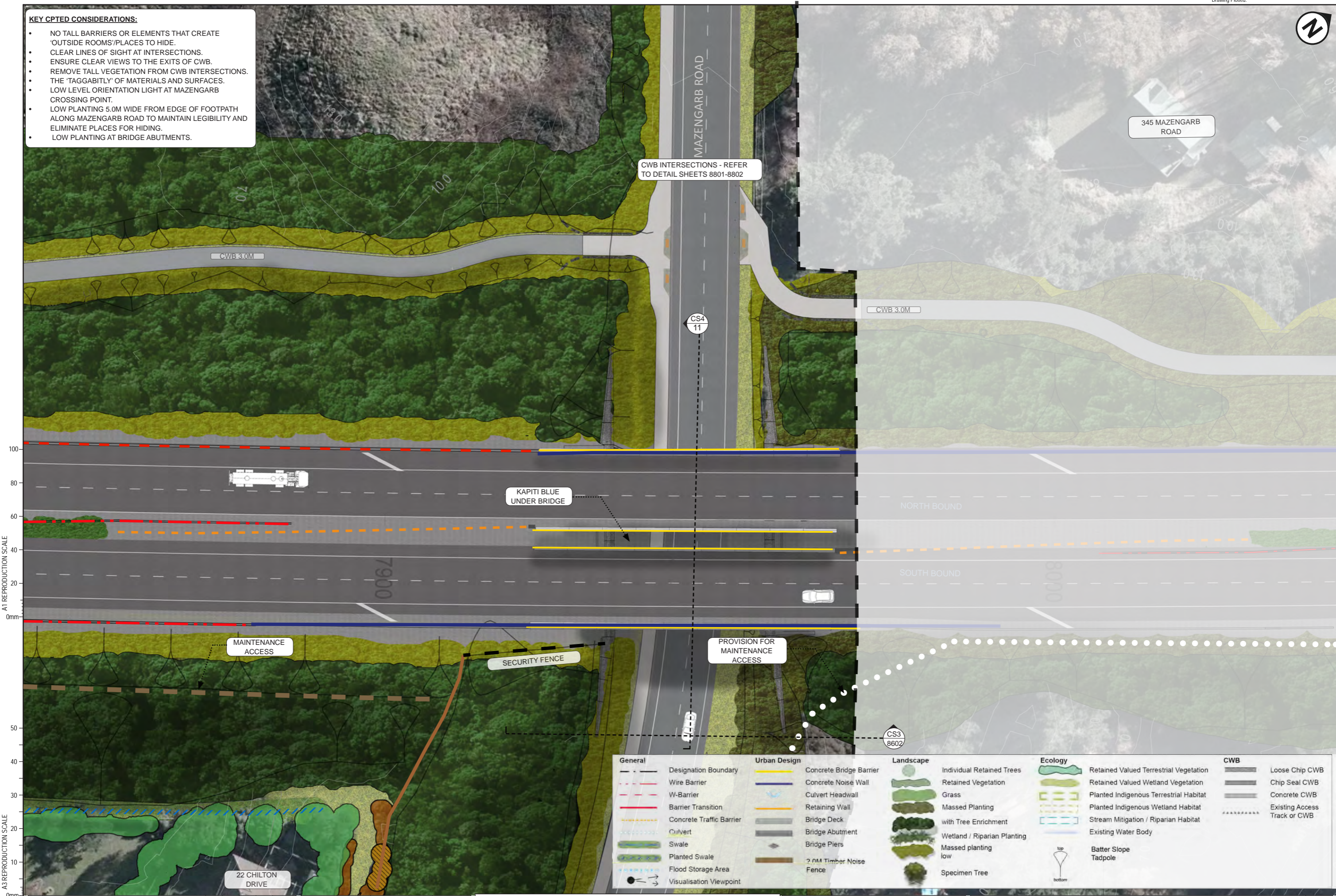
Rev: C

DETAIL DESIGN (DET)



KEY CPTED CONSIDERATIONS:

- NO TALL BARRIERS OR ELEMENTS THAT CREATE 'OUTSIDE ROOMS'/PLACES TO HIDE.
- CLEAR LINES OF SIGHT AT INTERSECTIONS.
- ENSURE CLEAR VIEWS TO THE EXITS OF CWB.
- REMOVE TALL VEGETATION FROM CWB INTERSECTIONS.
- THE 'TAGGABITLY' OF MATERIALS AND SURFACES.
- LOW LEVEL ORIENTATION LIGHT AT MAZENGARB CROSSING POINT.
- LOW PLANTING 5.0M WIDE FROM EDGE OF FOOTPATH ALONG MAZENGARB ROAD TO MAINTAIN LEGIBILITY AND ELIMINATE PLACES FOR HIDING.
- LOW PLANTING AT BRIDGE ABUTMENTS.



A1 REPRODUCTION SCALE

A3 REPRODUCTION SCALE

DETAIL DESIGN (DET)

General	Urban Design	Landscape	Ecology	CWB
--- Designation Boundary	Concrete Bridge Barrier	Individual Retained Trees	Retained Valued Terrestrial Vegetation	Loose Chip CWB
--- Wire Barrier	Concrete Noise Wall	Retained Vegetation	Retained Valued Wetland Vegetation	Chip Seal CWB
--- W-Barrier	Culvert Headwall	Grass	Planted Indigenous Terrestrial Habitat	Concrete CWB
--- Barrier Transition	Retaining Wall	Massed Planting	Planted Indigenous Wetland Habitat	Existing Access Track or CWB
--- Concrete Traffic Barrier	Bridge Deck	with Tree Enrichment	Stream Mitigation / Riparian Habitat	
--- Culvert	Bridge Abutment	Wetland / Riparian Planting	Existing Water Body	
--- Swale	Bridge Piers	Massed planting low		
--- Planted Swale	2.0M Timber Noise Fence	Specimen Tree		
--- Flood Storage Area				
--- Visualisation Viewpoint				

C	CERTIFIED ISSUE - REV C	VB	DC	21/07/14
No.	Revision	By	Chk	Date

Original Scale (A1)	Design	SD	21/07/14	Approved For Construction*
1:250	Drawn	VB	21/07/14	Date
Reduced Scale (A3)	Design Verifier			
1:500	Design Check			



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

Title: SSMP 4 [410-420] - SHEET 4
 BRIDGE MASTERPLAN

Drawing No:	M2PP-121-D-DWG-8301	Rev:	C
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