

WELCOME TO ST HELIERS  
NAME PLATE  
*Want to have in put in design*

RELOCATE REFUGE ISLANDS AND SIDE ISLANDS NEARER INTERSECTION TO INCREASE CAR PARKING SPACES

*Consider left in/out at post ramp*

*move bus to bank*

*Do design for bus stops*

RELOCATE BUS STOP

*keep not*

POSSIBLE SMALL ROUNDABOUT

NEW ZEBRA CROSSING (NOT RAISED)

NEW ZEBRA CROSSING (NOT RAISED)

NEW ZEBRA CROSSING (NOT RAISED)

EXISTING ZEBRA CROSSING

EXISTING RAISED ZEBRA CROSSING

MODIFY PARKING BARS

EXISTING ZEBRA CROSSING

RAISED ZEBRA CROSSING

*not to be 20.3m central island*

*Giveaway Signs*

ROUNDABOUT IMPROVEMENTS TO PREVENT CARS OVER RUNNING CENTRAL ISLAND

*Do not support loss of parking. Consider Broad walk design*

*move crossing away from trees*

POSSIBLE FOOTPATH IMPROVEMENTS

*Options for Zebra crossing*

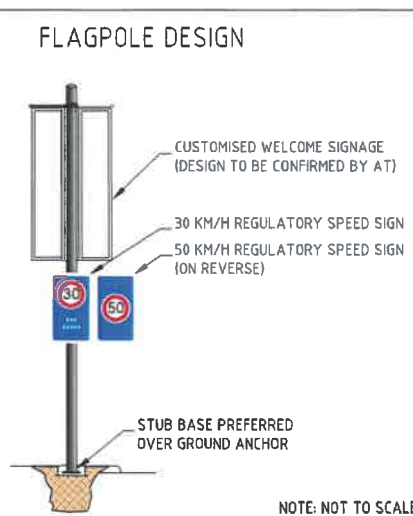
TIDY UP AREA

*remove map*

RAISED TABLE

*Active working sign*

*30km/h ahead sign on all main approaches.*  
*Surface treatment with slow markings*



- LEGEND**
- 1 PRIMARY GATEWAY DESIGN - FLAGPOLE DESIGN (30km/h SIGNS, BANNER AND COLOURED SURFACING)
  - 2 SECONDARY GATEWAY DESIGN (30km/h SIGNS ONLY AND COLOURED SURFACING)

**NOTE:**  
FOR WORKING GROUP PURPOSE ONLY.  
NOT TO BE FORWARDED

REV No.	DESCRIPTION	DATE
A	EXIST. ZEBRA CROSSING NOTES ADDED TO ST HELIERS BAY ROAD	28/02/2020

**AUCKLAND TRANSPORT**  
ST HELIERS VILLAGE  
PROPOSED SAFETY IMPROVEMENT  
DRAFT CONCEPT ONLY

Scale: WORKING GROUP DRAFT  
Date Stamp: 04/03/2020

Scale: A1	N.T.S	Scale: A3	N.T.S
Drawn By:	2019-RFI-141_G033	Rev:	A

*Andrew Allen agreed that ramp gradients will be 1 in 15 at 100mm high*

*Discussed at working Group on 4-5-20*

ORIGINAL SIZE A1 DO NOT SCALE - IF IN DOUBT, ASK



CONCEPT DESIGN  
INCORPORATING WORKING  
GROUP COMMENTS

REMOVE FLUSH MEDIAN  
WIDER TRAFFIC LANES  
FOR CONFIDENT  
CYCLISTS OR  
PARKING PROTECTED  
CYCLING PROVISION

MOVE WESTBOUND  
BUS STOP TO HERE

NON RAISED  
ZEBRA CROSSING  
(BUILD OUT WEST SIDE  
FOR VISIBILITY)

POTENTIAL  
ROUNDOUT  
ON EXISTING  
RAISED INTERSECTION  
OR IMPROVED RAISED  
INTERSECTION WITH  
EFFECTIVE RAMP GRADIENT

MAJOR  
GATEWAY  
(REQUEST  
TO REMOVE  
PED REFUGE)

3D ZEBRA  
CROSSING  
(OR MONG  
ROAD HUMP  
TO THIS LOCATION  
AND PLACE ZEBRA  
ON IT)

INVESTIGATE  
MOVING  
BUS LANE

BETTER RAISED INTERSECTION

EXISTING BUS STOPS

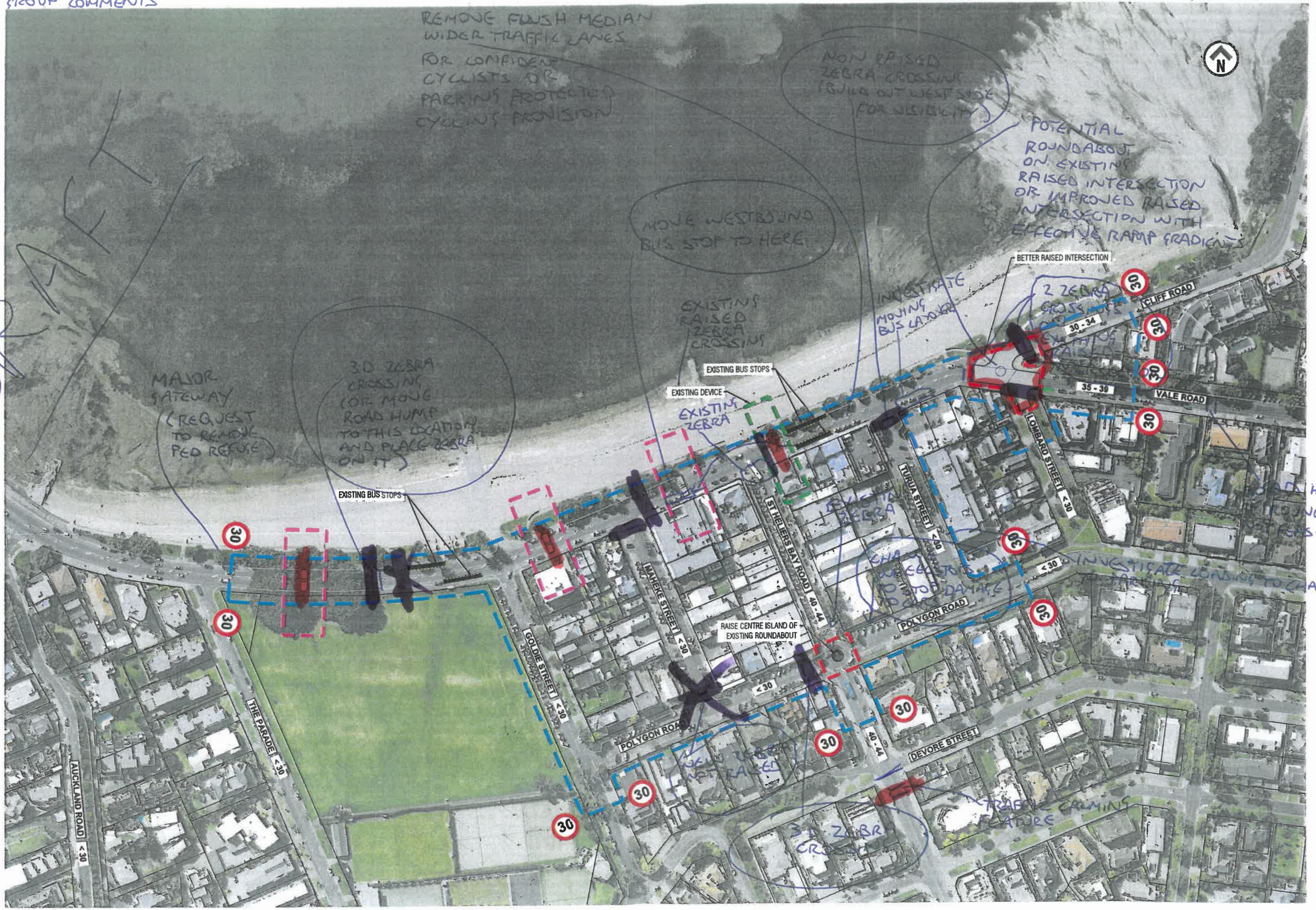
EXISTING DEVICE

EXISTING  
ZEBRA

RAISE CENTRE ISLAND OF  
EXISTING ROUNDOUT

INVESTIGATE  
LOADING TO CHANGE

HUM  
ROUNDA  
SIBL



CONCEPT DESIGN  
INCORPORATING WORKING  
GROUP COMMENTS



REMOVE FLUSH MEDIAN  
WIDER TRAFFIC LANES  
FOR CONFIDENT  
CYCLISTS OR  
PARKING PROTECTED  
CYCLING PROVISION

Foot Path  
Priority

MOVE WESTBOUND  
BUS STOP TO HERE

NON RAISED  
ZEBRA CROSSING  
(BUILD OUT WEST SIDE  
FOR VISIBILITY)

POTENTIAL  
ROUNDOUT  
ON EXISTING  
RAISED INTERSECTION  
OR IMPROVED RAISED  
INTERSECTION WITH  
EFFECTIVE RAMP GRADIENTS

MAJOR  
GATEWAY  
(REQUEST  
TO REMOVE  
PED REFUGE)

3D ZEBRA  
CROSSING  
(OR MOVE  
ROAD HUMP  
TO THIS LOCATION  
AND PLACE ZEBRA  
ON IT)

EXISTING  
RAISED  
ZEBRA  
CROSSING

EXISTING BUS STOPS

EXISTING DEVICE

EXISTING  
ZEBRA  
CROSSING

Pedestrian  
Crossing

INVESTIGATE  
MOVING  
BUS LANE

BETTER RAISED INTERSECTION

2 ZEBRA  
CROSSINGS

EXISTING BUS STOPS

30

30

does  
hump  
remain

wider or  
bridge  
tree roots

RAISE CENTRE ISLAND OF  
EXISTING ROUNDOUT

EXISTING  
ZEBRA  
CROSSING

INVESTIGATE  
LEADING TO CHANGING

30

30

TRAFFIC CALMING  
FEATURE

30

30

30

30

30

3D ZEBRA  
CROSSING

30

30

30

30

30

30

30

30



DO HUMP  
REMAINS  
VISIBLE

INVESTIGATE LEADING TO CHANGING

AUCKLAND ROAD < 30

THE PARADE < 30

GOLDE STREET < 30

POLYGON ROAD < 30

WAIKEKE STREET < 30

ST HELENS BAY ROAD < 30

POLYGON ROAD < 30

DEVORE STREET < 30

TURIA STREET < 30

LOHARD STREET < 30

VALE ROAD < 30

CLIFF ROAD < 30

30-34

35-38

< 30

< 30

< 30

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< 30

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< 30

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< 30

30

30

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30

30

DO HUMP  
REMAINS  
VISIBLE

INVESTIGATE LEADING TO CHANGING



LEGEND

- NEW CALMING FEATURE
- NEW PEDESTRIAN CROSSING
- EXISTING RAISED PEDESTRIAN CROSSING

- EXISTING CALMING FEATURE TO BE IMPROVED
- SPEED LIMIT

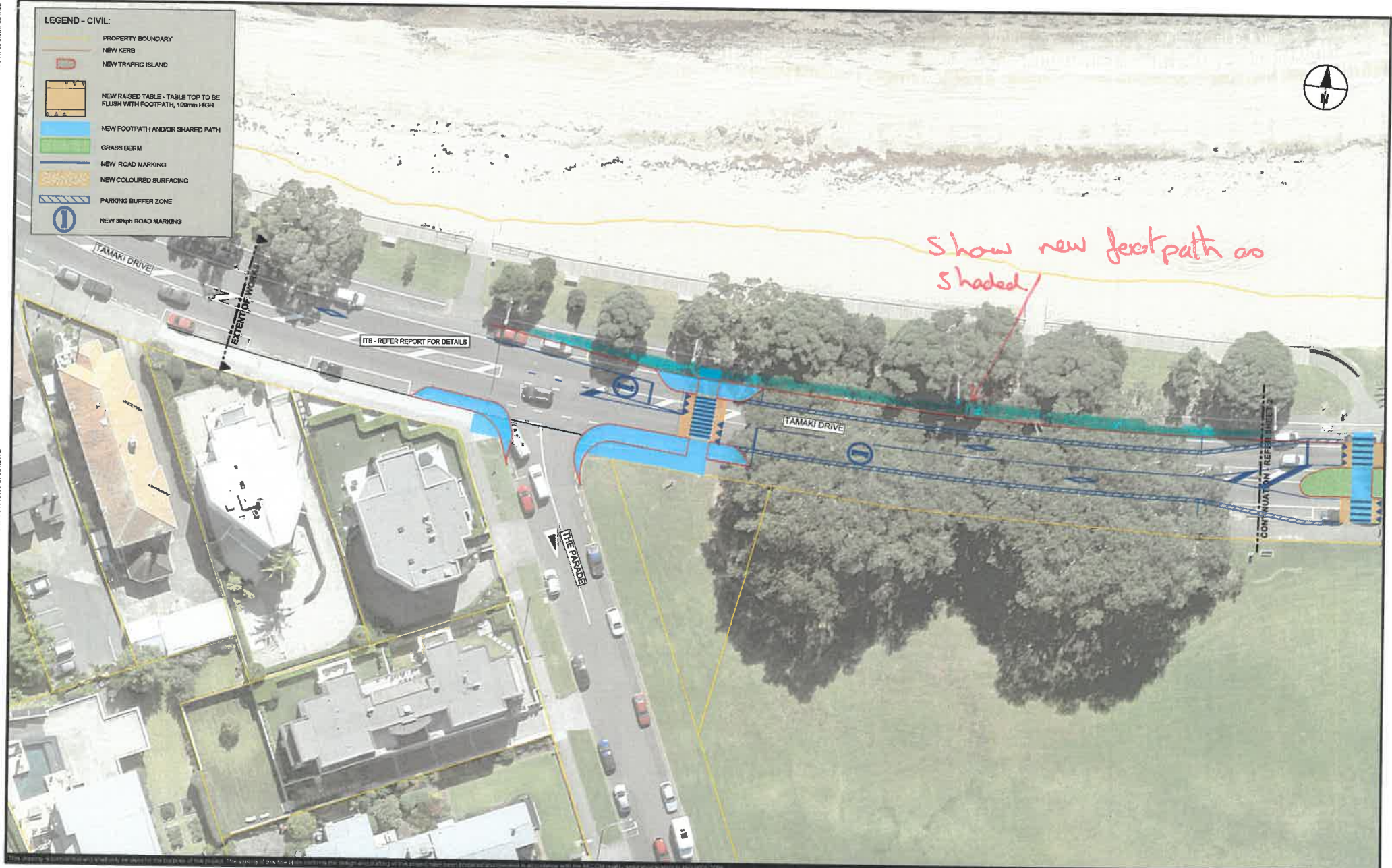
ISO A1 (84mm x 61mm)

**LEGEND - CIVIL:**

-  PROPERTY BOUNDARY
-  NEW KERB
-  NEW TRAFFIC ISLAND
-  NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
-  NEW FOOTPATH AND/OR SHARED PATH
-  GRASS BERM
-  NEW ROAD MARKING
-  NEW COLOURED SURFACING
-  PARKING BUFFER ZONE
-  NEW 30kph ROAD MARKING



Show new footpath as shaded.



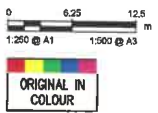
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PROJECT MANAGEMENT INITIALS		
NG / JJ	MJT	JG
DESIGNER	CHECKED	APPROVED

ISSUE/REVISION	

PROJECT DATA			
DATUM	MTEDEN	SURVEY	GEOREFIC 2000

IR	DATE	DESCRIPTION
A	15.03.2016	For Consultation Only

**PROJECT NUMBER**  
 60582275

**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 1 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CL-001

**LEGEND - CIVIL**

- PROPERTY BOUNDARY
- NEW KERB
- NEW TRAFFIC ISLAND
- NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
- NEW FOOTPATH AND/OR SHARED PATH
- GRASS BERM
- NEW ROAD MARKING
- NEW COLOURED SURFACING
- PARKING BUFFER ZONE
- NEW 30kph ROAD MARKING

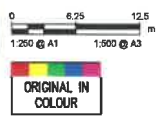


*Show new foot path as shaded*

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PROJECT DATA		
DATUM	MT EDEN	SURVEY
		ORIGINATOR

ISSUE/REVISION		
A	15.08.2018	For Consultation Only
IR	DATE	DESCRIPTION

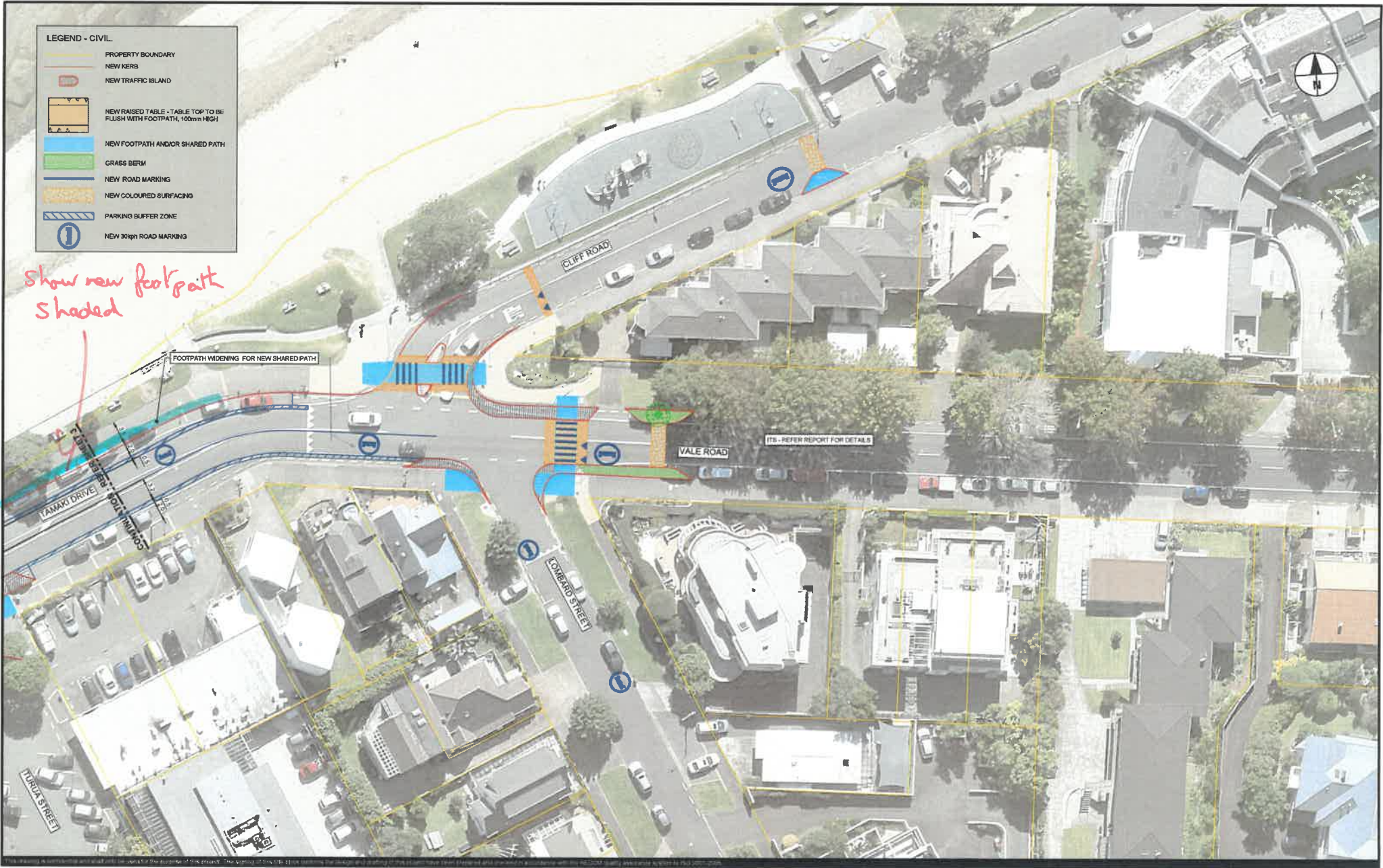
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 SHEET 2 OF 6

**SHEET NUMBER**  
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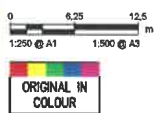




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**SHEET TITLE**  
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 SHEET 4 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CI-004

ISO A1 (594mm x 841mm)

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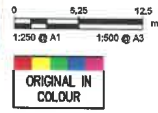
**LEGEND - CIVIL:**

- PROPERTY BOUNDARY
- NEW KERB
- NEW TRAFFIC ISLAND
- NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
- NEW FOOTPATH AND/OR SHARED PATH
- GRASS BERM
- NEW ROAD MARKING
- NEW COLOURED SURFACING
- PARKING BUFFER ZONE
- NEW 30kph ROAD MARKING

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**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 5 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CI-005



**LEGEND - CIVIL**

- PROPERTY BOUNDARY
- NEW KERB
- NEW TRAFFIC ISLAND
- NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 120mm HIGH
- NEW FOOTPATH AND/OR SHARED PATH
- GRASS BERM
- NEW ROAD MARKING
- NEW COLOURED SURFACING
- PARKING BUFFER ZONE
- NEW 30%PH ROAD MARKING

CONTINUATION - REFER SHEET 1

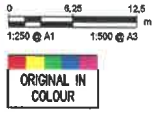
CONTINUATION - REFER SHEET 2

ITS - REFER REPORT FOR DETAILS

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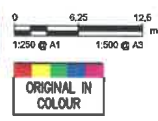
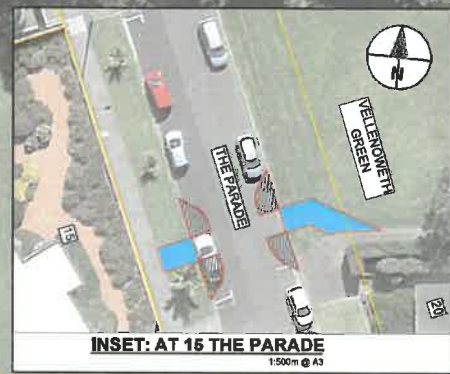
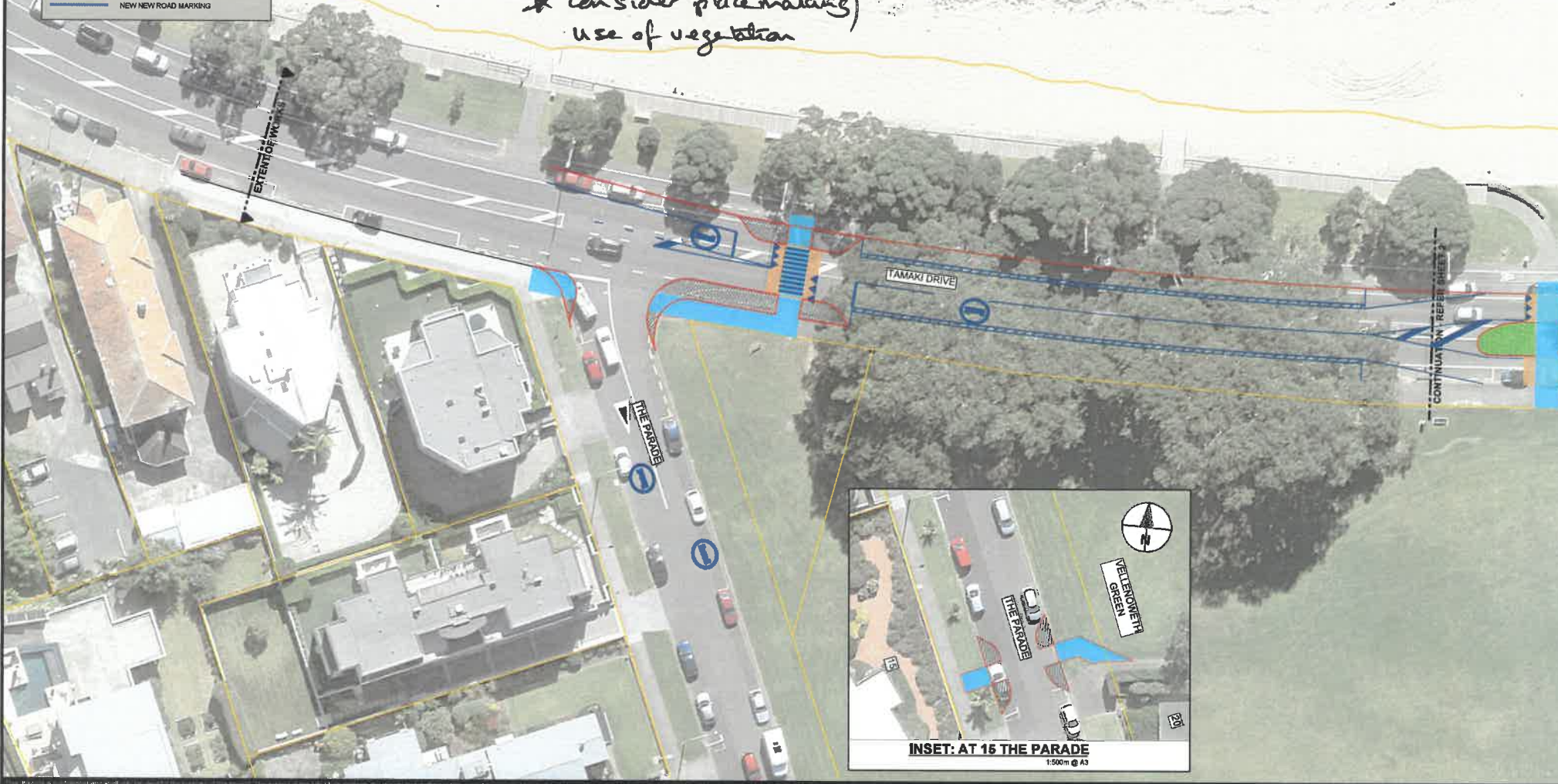
**SHEET TITLE**  
CONCEPT DESIGN LAYOUT  
SHEET 6 OF 6

**SHEET NUMBER**  
SHT-SO1819005-CI-006

**LEGEND - CIVIL**

-  PROPERTY BOUNDARY
-  NEW KERB
-  NEW TRAFFIC ISLAND
-  NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
-  NEW FOOTPATH AND/OR SHARED PATH
-  GRASS BERM
-  NEW NEW ROAD MARKING

*\* Speed limits do not tie up.*  
*\* Consider placement use of vegetation*



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DATUM	MT EDEN	SURVEY	GEODETIC 2000
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A	23.07.2016	Issued for Information

**LEGEND - CIVIL**

- PROPERTY BOUNDARY
- NEW KERB
- NEW TRAFFIC ISLAND
- NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH 100mm HIGH
- NEW FOOTPATH AND/OR SHARED PATH
- GRASS BERM
- NEW NEW ROAD MARKING



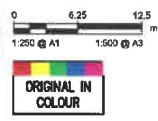
*Raised zebra.*

*Consider turning vehicles stopping the face zebra and not obstructing through lane.*

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A	23.07.2018	Issued for Information

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**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 2 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CJ-002

**PROJECT DATA**

DATUM	MT EDEN	SURVEY	GEODETIC 2000
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**LEGEND - CIVIL**

-  PROPERTY BOUNDARY
-  NEW KERB
-  NEW TRAFFIC ISLAND
-  NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
-  NEW FOOTPATH AND/OR SHARED PATH
-  GRASS BERM
-  NEW NEW ROAD MARKING



*See comment on sheet 2*

*Zebra crossing*



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0 6.25 12.5  
1:250 @ A1 1:500 @ A3

**ORIGINAL IN COLOUR**

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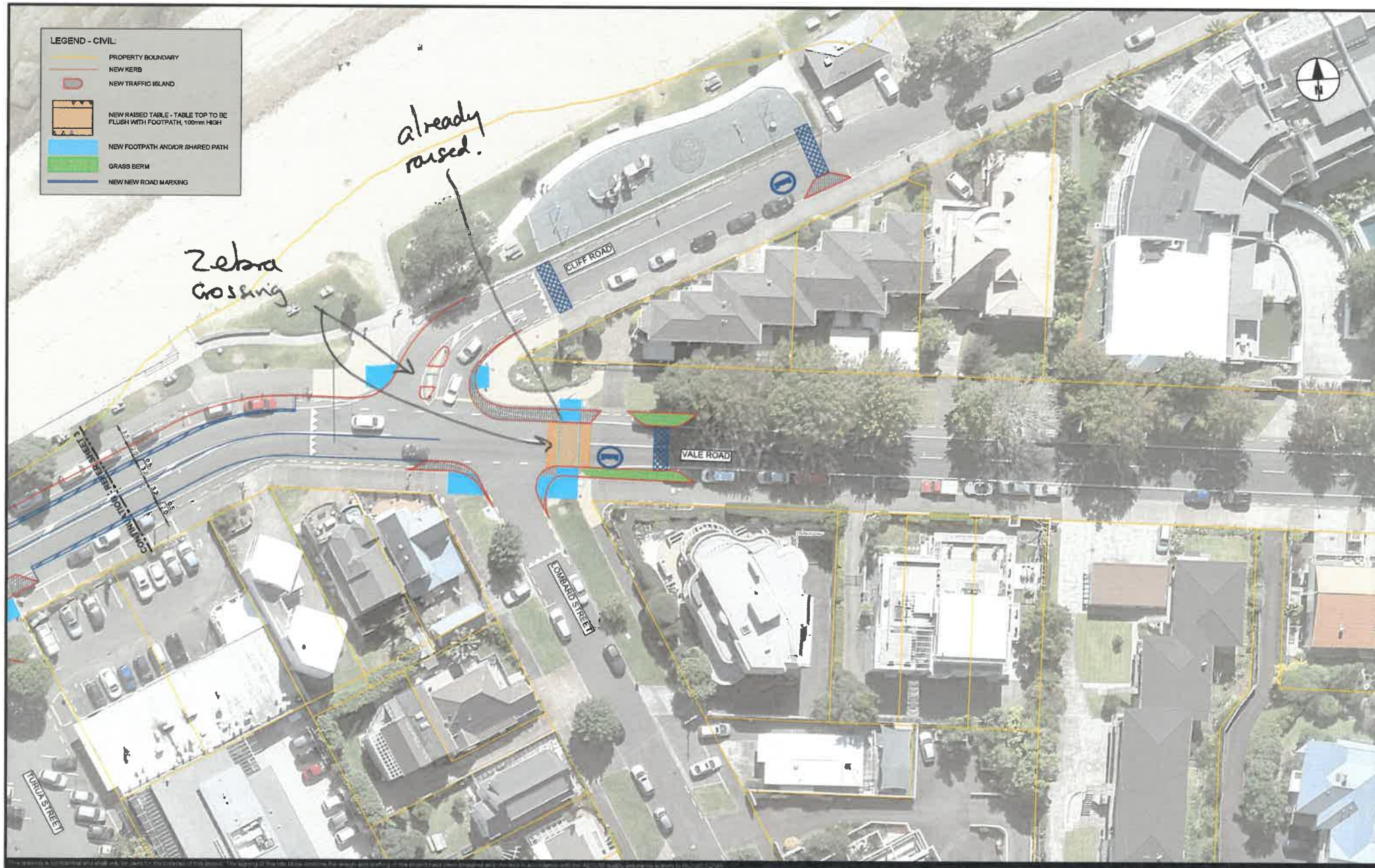
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**SHEET TITLE**  
CONCEPT DESIGN LAYOUT  
SHEET 3 OF 6

**SHEET NUMBER**  
SHT-SO1819005-CI-003

**LEGEND - CIVIL:**

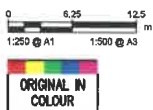
- PROPERTY BOUNDARY
- NEW KERB
- NEW TRAFFIC ISLAND
- NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
- NEW FOOTPATH AND/OR SHARED PATH
- GRASS BERM
- NEW NEW ROAD MARKING



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DATUM	MT EDEN	SURVEY	GRADIENTS 2006
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**PROJECT NUMBER**  
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**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 4 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CI-004

**LEGEND - CIVIL:**

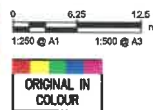
-  PROPERTY BOUNDARY
-  NEW KERB
-  NEW TRAFFIC ISLAND
-  NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
-  NEW FOOTPATH AND/OR SHARED PATH
-  GRASS BERM
-  NEW NEW ROAD MARKING



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DESIGNER	CHECKED	APPROVED

PROJECT DATA			
DATUM	MT EBN	SURVEY	GEODETIC 2000

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VR	DATE	DESCRIPTION

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 60582275

**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 5 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CI-005





**LEGEND - CIVIL:**

- PROPERTY BOUNDARY
- NEW KERB
- NEW TRAFFIC ISLAND
- NEW RAISED TABLE - TABLE TOP TO BE FLUSH WITH FOOTPATH, 100mm HIGH
- NEW FOOTPATH AND/OR SHARED PATH
- GRASS BERM
- NEW ROAD MARKING

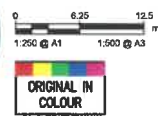
CONTINUATION - REFER SHEET 3

CONTINUATION - REFER SHEET 2

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DESIGNER	CHECKED	APPROVED

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A	23.07.2016	Issued for Information

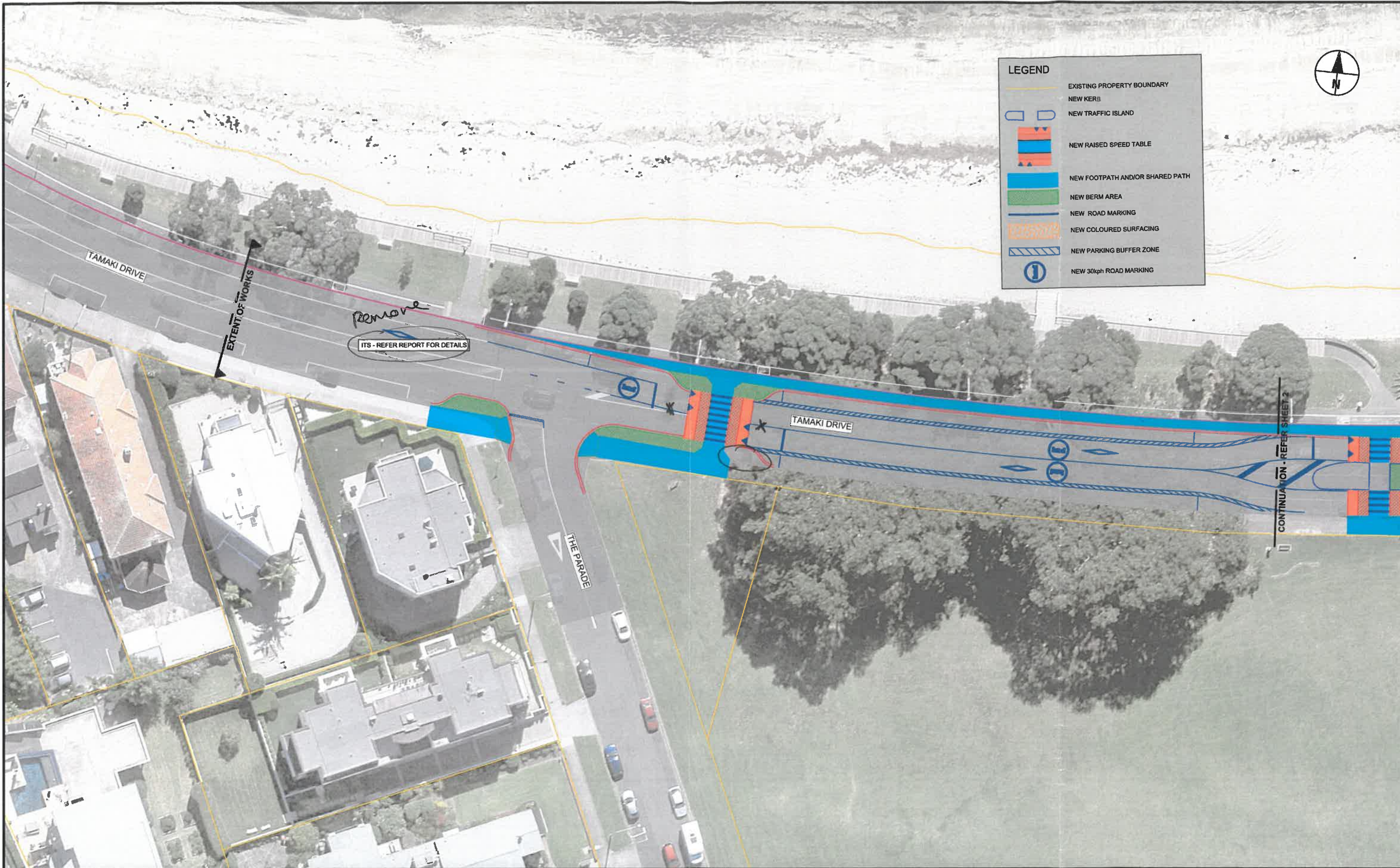
**PROJECT DATA**

DATUM	MT EDEN	SURVEY	GEODETIC 2000
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**SHEET TITLE**  
CONCEPT DESIGN LAYOUT  
SHEET 6 OF 6

**SHEET NUMBER**  
SHT-SO1819005-CI-006



**LEGEND**

- EXISTING PROPERTY BOUNDARY
- NEW KERBS
- NEW TRAFFIC ISLAND
- NEW RAISED SPEED TABLE
- NEW FOOTPATH AND/OR SHARED PATH
- NEW BERM AREA
- NEW ROAD MARKING
- NEW COLOURED SURFACING
- NEW PARKING BUFFER ZONE
- NEW 30kph ROAD MARKING



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 AECOM New Zealand Ltd  
 NZBN 94 290 320 913 35  
 www.aecom.com

**PROJECT**  
 AT TTEPS SO1819005  
 Central-East Speed  
 Management Measures  
 St Heliers

**CLIENT**  
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0 6.25 12.5  
 1:250 @ A1 1:500 @ A3  
 m

ORIGINAL IN COLOUR

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CONFIRMED		

**PROJECT MANAGEMENT INITIALS**

AR	MJT	JG
DESIGNER	CHECKED	APPROVED

**PROJECT DATA**

DATUM	MT EDEN	SURVEY	GEODETTIC 2000
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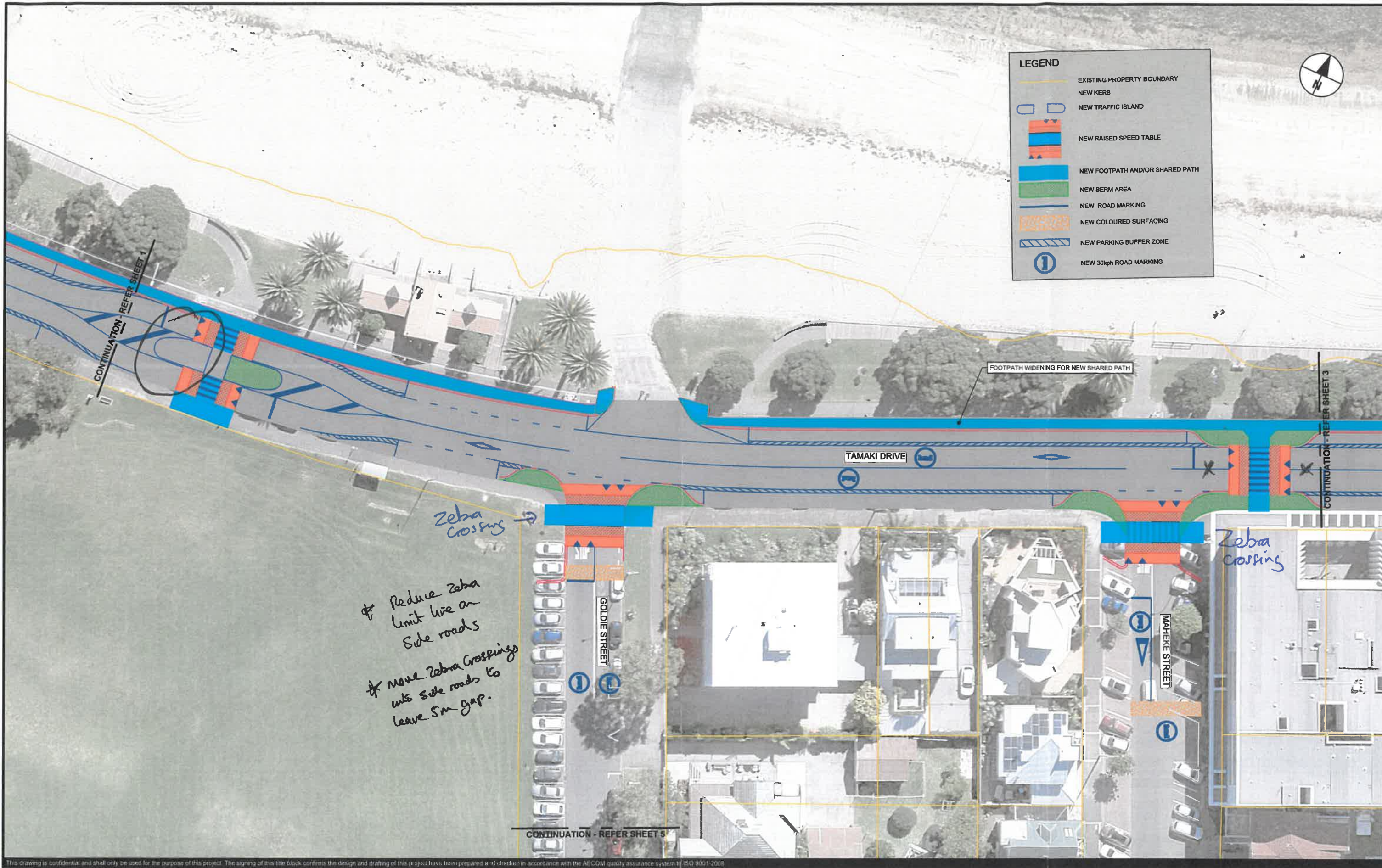
**ISSUE/REVISION**

NO	DATE	DESCRIPTION
C	19.11.2018	Revised Issue For Consultation
B	08.11.2018	Revised Issue For Consultation
A	15.08.2018	For Consultation Only

**PROJECT NUMBER**  
 60582275

**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 1 OF 6

**SHEET NUMBER**  
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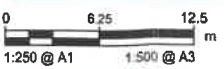
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**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 2 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CI-002

**LEGEND**

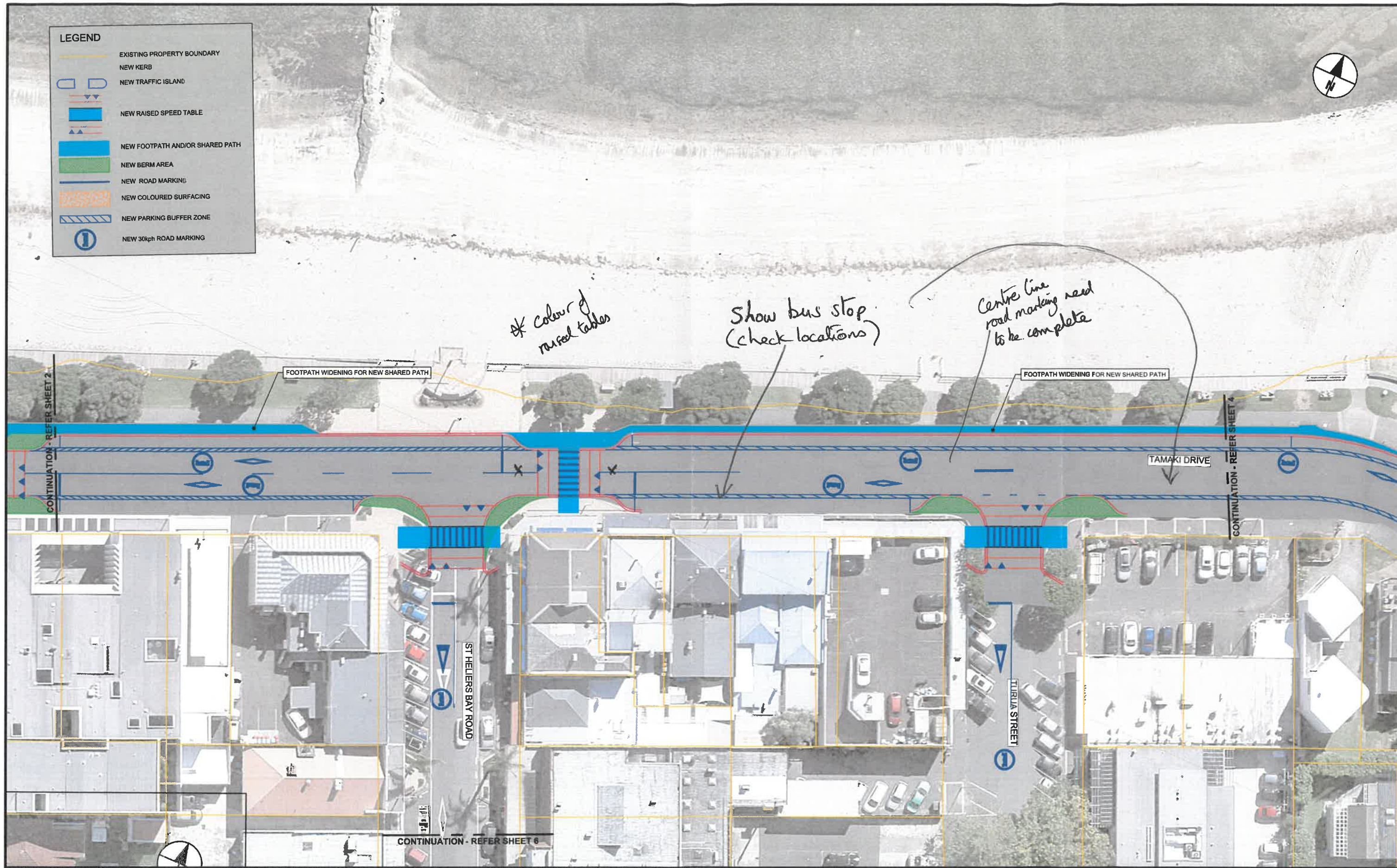
- EXISTING PROPERTY BOUNDARY
- NEW KERB
- NEW TRAFFIC ISLAND
- NEW RAISED SPEED TABLE
- NEW FOOTPATH AND/OR SHARED PATH
- NEW BERM AREA
- NEW ROAD MARKING
- NEW COLOURED SURFACING
- NEW PARKING BUFFER ZONE
- NEW 30kph ROAD MARKING



\* Colour of raised tables

Show bus stop (check locations)

Centre line road marking need to be complete



Last saved by: RAMA(2018-11-18) Last Pictured: 2018-11-18  
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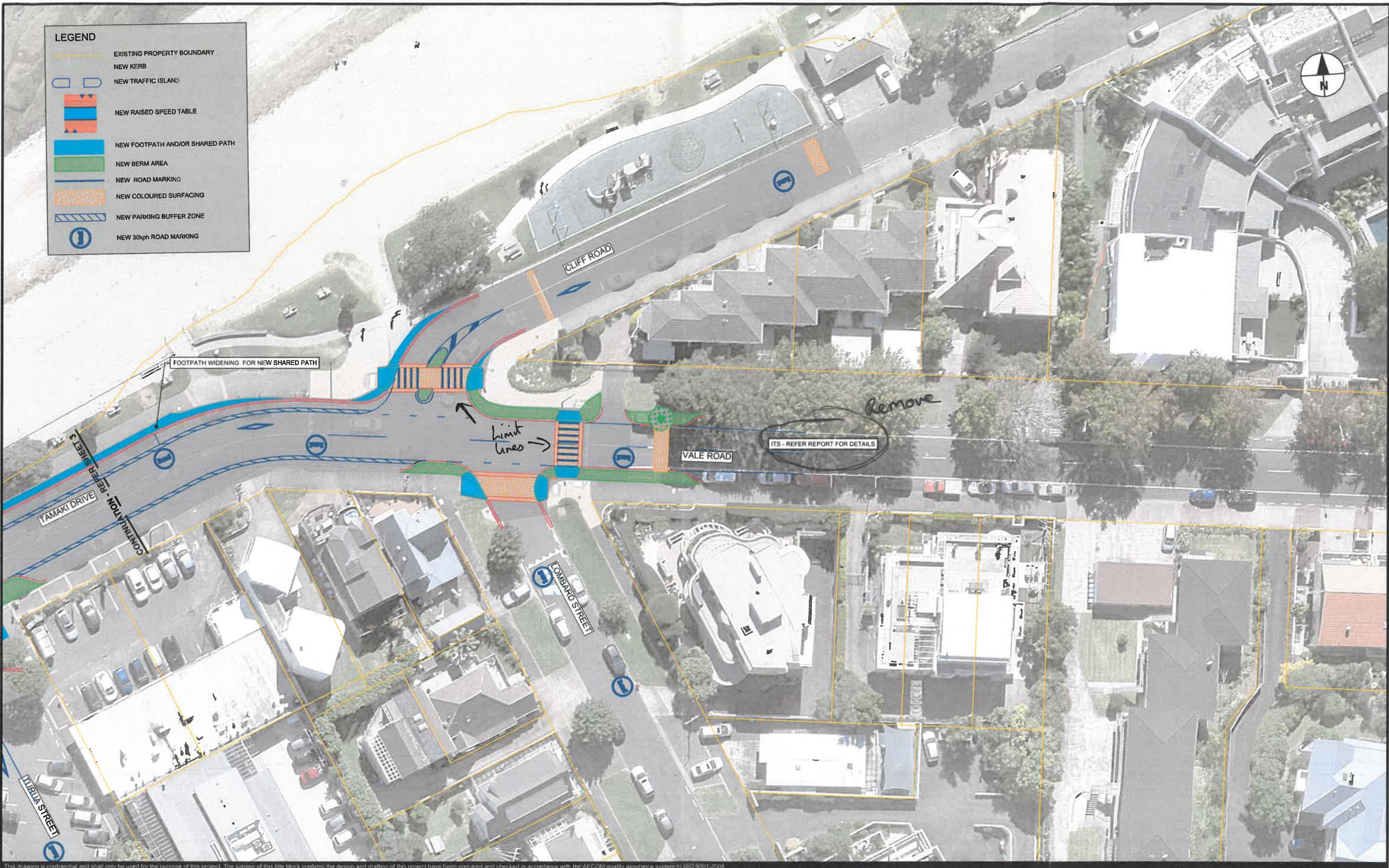
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**SHEET TITLE**  
CONCEPT DESIGN LAYOUT  
SHEET 3 OF 6

**SHEET NUMBER**  
SHT-SO1819005-CI-003



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**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 4 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CI-004

**LEGEND**

-  EXISTING PROPERTY BOUNDARY
-  NEW KERB
-  NEW TRAFFIC ISLAND
-  NEW RAISED SPEED TABLE
-  NEW FOOTPATH AND/OR SHARED PATH
-  NEW BERM AREA
-  NEW ROAD MARKING
-  NEW COLOURED SURFACING
-  NEW PARKING BUFFER ZONE
-  NEW 30kph ROAD MARKING



CONTINUATION - REFER SHEET 2

CONTINUATION - REFER SHEET 3

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**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 5 OF 6

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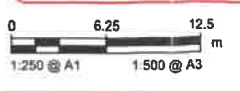


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**SHEET TITLE**  
 CONCEPT DESIGN LAYOUT  
 SHEET 6 OF 6

**SHEET NUMBER**  
 SHT-SO1819005-CI-006

CONCEPT DESIGN  
INCORPORATING WORKING  
GROUP COMMENTS



REMOVE FLUSH MEDIAN  
WIDER TRAFFIC LANES  
FOR CONFIDENT  
CYCLISTS OR  
PARKING PROTECTED  
CYCLING PROVISION

NON RAISED  
ZEBRA CROSSING  
(BUILD OUT WEST SIDE  
FOR VISIBILITY)

POTENTIAL  
ROUNDBOUT  
ON EXISTING  
RAISED INTERSECTION  
OR IMPROVED RAISED  
INTERSECTION WITH  
EFFECTIVE RAMP GRADIENTS

MOVE WESTBOUND  
BUS STOP TO HERE

MAJOR  
GATEWAY  
(REQUEST  
TO REMOVE  
PED REFUGE)

3D ZEBRA  
CROSSING  
(OR MOVE  
ROAD HUMP  
TO THIS LOCATION  
AND PLACE ZEBRA  
ON IT)

EXISTING  
RAISED  
ZEBRA  
CROSSING

INVESTIGATE  
MOVING  
BUS LAYOUT

BETTER RAISED INTERSECTION

2 ZEBRA  
CROSSINGS

EXISTING BUS STOPS  
EXISTING DEVICE  
EXISTING ZEBRA

ROAD HUMP  
ROUNDBOUT  
NOT FEASIBLE

INVESTIGATE LOADING TO CHANGE  
TO PARKING

CHANGE  
WHEELS  
TO STOP DAMAGE  
TO CAR

RAISE CENTRE ISLAND OF  
EXISTING ROUNDBOUT

NEW ZEBRA  
NOT RAISED

TRAFFIC CALMING  
FEATURE

3D ZEBRA  
CROSSING

DRAFT

