



CONSTRUCT NEW 3m WIDE PRAM CROSSING WITH WARNING AND DIRECTIONAL TACTILE PAVERS AS PER ATCOP STANDARD DETAIL FP009 (GRADE AT 1 IN 12)

INSTALL NEW TOPSOIL WITH GRASS SEED BATTER BERM. TO TIE INTO FINISHED LEVELS

RESURFACE PAVEMENT SURFACE (PEDESTRIAN CUT-THROUGH) WITH 25mm(MIN) MIX10 (TNZ-M/10) BLACK ASPHALTIC CONCRETE AND INSTALL NEW WARNING TACTILE PAVERS. ENSURE PATH IS SLOPING WEST TOWARDS CARRIAGEWAY

EXCAVATE BERM AND BREAKOUT EXISTING FOOTPATH. CONSTRUCT NEW 100mm THICK 20MPa CONCRETE FOOTPATH WITH BROOM FINISH ON 100mm AP40 BASECOURSE AND AS PER ATCOP FP001; REGRADE GRASS BERM AS REQUIRED

INSTALL NEW 4.0m x 0.9m 100mm THICK 20MPa CONCRETE CYCLE RAMP WITH BROOM FINISH ON 100mm GAP40 BASECOURSE. CYCLE RAMP TO BE 1:20 SLOPE AT A 45° TO THE KERB.

BREAKOUT EXISTING VEHICLE CROSSINGS; CONSTRUCT NEW 150mm THICK 20MPa CONCRETE INDUSTRIAL VEHICLE CROSSING WITH BROOM FINISH ON 100mm GAP40 BASECOURSE AS PER ATCOP STANDARD DETAIL GD019

REMOVE EXISTING TREE. COUNCIL ARBORIST TO BE CONSULTED

INSTALL NEW KERB BUILDOUT AS PER DETAIL C (REF DWG R5-003). REFER TO DRAWING SET R6 FOR LONG SECTIONS AND CROSS SECTIONS

PLANT NEW TREES AS PER ARBORIST'S METHODOLOGY

INSTALL NEW WIRE FENCE AS PER ATCOP RR009

INSTALL NEW 4.0m x 0.9m 100mm THICK 20MPa CONCRETE CYCLE RAMP WITH BROOM FINISH ON 100mm GAP40 BASECOURSE. CYCLE RAMP TO BE 1:20 SLOPE AT A 45° TO THE KERB.

BREAKOUT EXISTING VEHICLE CROSSINGS; CONSTRUCT NEW 150mm THICK 20MPa CONCRETE RESIDENTIAL VEHICLE CROSSING WITH BROOM FINISH ON 100mm GAP40 BASECOURSE AS PER ATCOP STANDARD DETAIL GD017

EXCAVATE BERM AND BREAKOUT EXISTING FOOTPATH. CONSTRUCT NEW 100mm THICK 20MPa CONCRETE FOOTPATH WITH BROOM FINISH ON 100mm AP40 BASECOURSE AND AS PER ATCOP FP001; REGRADE GRASS BERM AS REQUIRED

BREAKOUT AND REMOVE EXISTING KERB AND CHANNEL. INSTALL NEW EXTRUDED TYPE 3 STANDARD KERB AND CHANNEL WITH SUBSOIL DRAIN AS PER ATCOP STANDARD DETAIL GD009

INSTALL NEW TOPSOIL WITH GRASS SEED. BATTER BERM TO TIE INTO FINISHED LEVELS

BREAKOUT AND REMOVE EXISTING PRAM CROSSING. CONSTRUCT NEW 3m WIDE PRAM CROSSING WITH WARNING AND DIRECTIONAL TACTILE PAVERS AS PER ATCOP STANDARD DETAIL FP009 (GRADE AT 1 IN 12)

BREAKOUT AND REMOVE EXISTING PRAM CROSSING. CONSTRUCT NEW 2.5m WIDE PRAM CROSSING WITH WARNING AND DIRECTIONAL TACTILE PAVERS AS PER ATCOP STANDARD DETAIL FP009 (GRADE AT 1 IN 12)

INSTALL NEW 4.0m x 0.9m 100mm THICK 20MPa CONCRETE CYCLE RAMP WITH BROOM FINISH ON 100mm GAP40 BASECOURSE. CYCLE RAMP TO BE 1:20 SLOPE AT A 45° TO THE KERB.

INSTALL NEW 1.0m CYCLE HAND RAIL AS PER ATCOP STANDARD DETAIL CD012

INSTALL NEW CUSTOM SERVICE COVER WITH TACTILE PAVERS CUT INTO PLACE (AS PER RTS14)

BREAKOUT AND REMOVE EXISTING TRAFFIC ISLAND

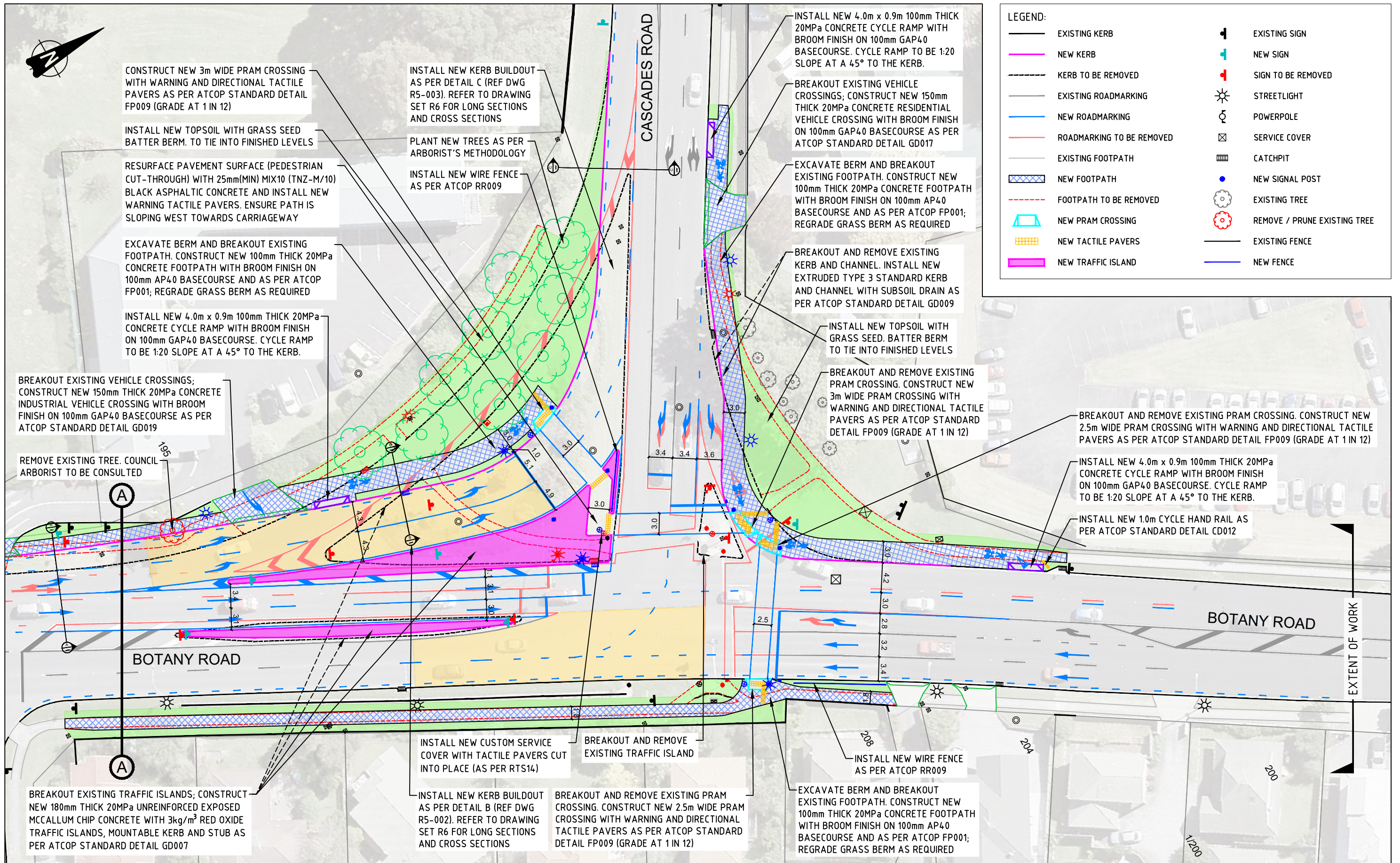
INSTALL NEW KERB BUILDOUT AS PER DETAIL B (REF DWG R5-002). REFER TO DRAWING SET R6 FOR LONG SECTIONS AND CROSS SECTIONS

BREAKOUT AND REMOVE EXISTING PRAM CROSSING. CONSTRUCT NEW 2.5m WIDE PRAM CROSSING WITH WARNING AND DIRECTIONAL TACTILE PAVERS AS PER ATCOP STANDARD DETAIL FP009 (GRADE AT 1 IN 12)

EXCAVATE BERM AND BREAKOUT EXISTING FOOTPATH. CONSTRUCT NEW 100mm THICK 20MPa CONCRETE FOOTPATH WITH BROOM FINISH ON 100mm AP40 BASECOURSE AND AS PER ATCOP FP001; REGRADE GRASS BERM AS REQUIRED

LEGEND:

- EXISTING KERB
- NEW KERB
- - - KERB TO BE REMOVED
- EXISTING ROADMARKING
- NEW ROADMARKING
- ROADMARKING TO BE REMOVED
- EXISTING FOOTPATH
- NEW FOOTPATH
- - - FOOTPATH TO BE REMOVED
- NEW PRAM CROSSING
- NEW TACTILE PAVERS
- NEW TRAFFIC ISLAND
- EXISTING SIGN
- NEW SIGN
- SIGN TO BE REMOVED
- STREETLIGHT
- POWERPOLE
- SERVICE COVER
- CATCHPIT
- NEW SIGNAL POST
- EXISTING TREE
- REMOVE / PRUNE EXISTING TREE
- EXISTING FENCE
- NEW FENCE



DETAILED DESIGN

No	Revision	Note	Drawn	Checked	Approved	Date
A	FIRST ISSUE		SS	DY	IJ	01/19



BY: **TRAFFIC ENGINEERING SOLUTIONS LIMITED**

Traffic Engineering Solutions Limited
 PO Box 7237, Wellesley Street, Auckland 1036
 P: 0800 837 583, E: info@tes.net.nz



Drawn	S.SUM	Designed	D.YU
Drafting Check	J.DALY	Design Check	I.JURISICH
Approved			
Date	12/03/2019		
Scale	1:500 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**
 Project **BOTANY, CASCADES ROAD INTERSECTION IMPROVEMENTS LAYOUT PLAN WITH CRITICAL DIMENSIONS**

Original Size **A3** Project No: **T18092** Drawing No: **R1-002** Rev: **A**