

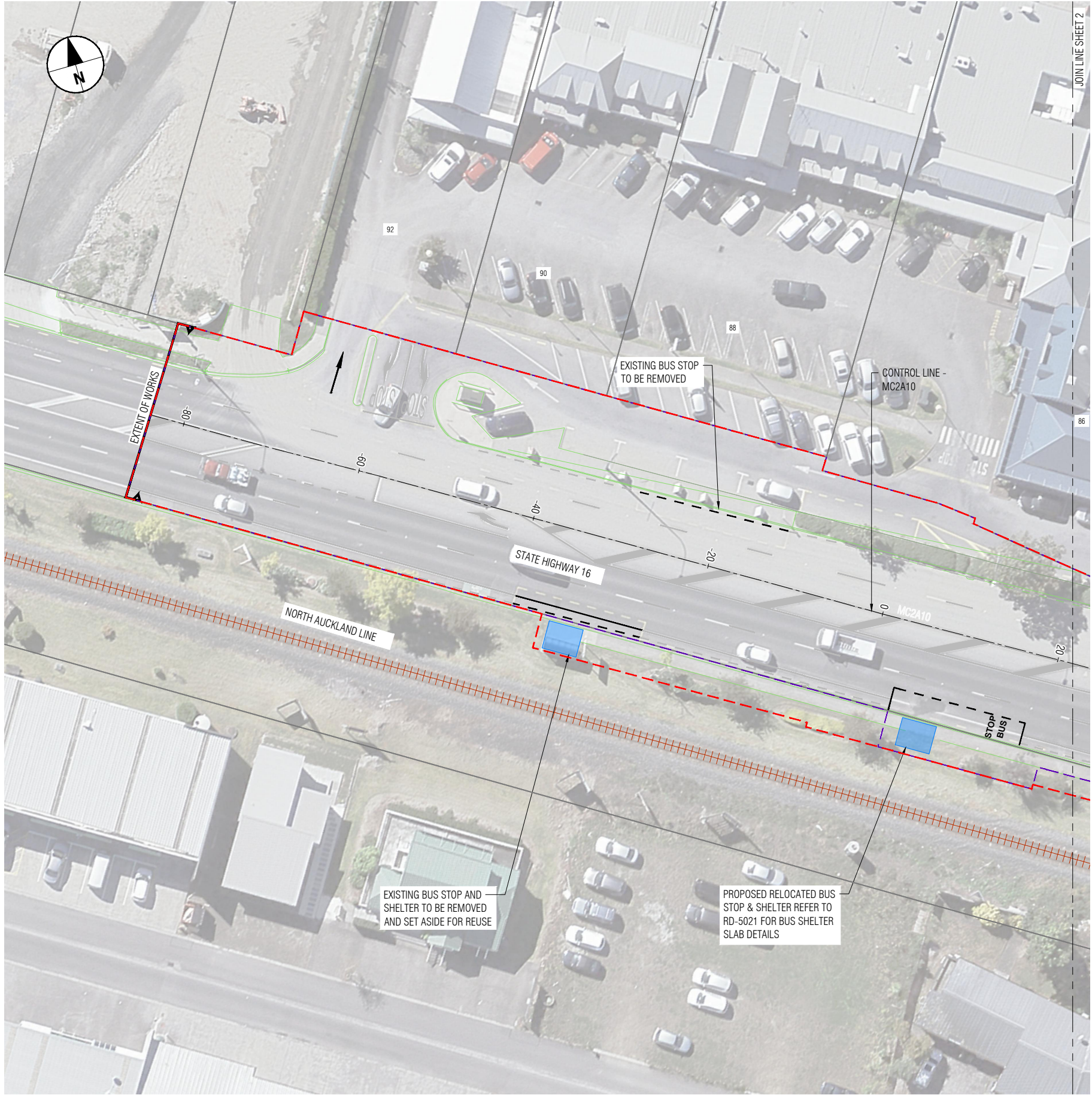
C:\Projects\605X\6056945\5. CAD\20-SHEETS\6056945A-SHT-2000-RD-0001.dwg

ORIGINAL SIZE  
A1



P:\Projects\60569454-SHT-2000-RD-1001.dwg

ORIGINAL SIZE  
A1  
A3



**LEGEND:**

- NEW ROAD MARKING
- EXISTING ROAD MARKING
- EXISTING PROPERTY BOUNDARY
- CONSTRUCTION BOUNDARY
- DESIGNATION BOUNDARY
- SURVEY INFORMATION
- CONTROL LINE
- NEW FOOTPATH
- CYCLE RAMP
- TACTILE PAVING
- PRAM CROSSING
- EXISTING RAILWAY LINE
- NEW KIWIRAIL PEDESTRIAN MAZE (DESIGNED AND CONSTRUCTED BY OTHERS)
- RAISED CONCRETE ISLAND
- GREEN CYCLE SURFACING
- REGRADED ACCESS
- RAISED TABLE
- BUS SHELTER
- BERM PLANTING
- RAINGARDEN PLANTING
- CHORUS CHAMBER EXTENSION
- FENCE (TYPE E)
- RETAINING WALL
- SPEED HUMP
- SLOTTED KERB

- NOTES:**
- FOR GENERAL NOTES AND SPECIFICATIONS REFER TO 60569454-SHT-2000-RD-0011.
  - REFER TO THE STORMWATER DRAWING SERIES FOR ACO DRAIN TYPE.

A1	1:250	0	10m
A3	1:500		

REV	DESCRIPTION	APPD	DATE	SURVEYED	N/A	N/A
H	ISSUED FOR CONSENT	KN	07.04.2021	DRAWN	J. ZHOU	18.12.2020
G	FOR CLIENT REVIEW	KN	18.12.2020	DRAWING CHECK	R. KRUTHIVENTY	18.12.2020
F	REVISED FOR TENDER	RK	20.05.2020	DESIGN	A. RAJAN	18.12.2020
E	REVISED FOR TENDER	RK	05.02.2020	DESIGN CHECK	S. OUYANG	18.12.2020
D	ISSUED FOR TENDER	SK	08.03.2019	APPROVED	K. NGUYEN	18.12.2020
C	FOR RESOURCE CONSENT	SK	15.02.2019			
B	RE-ISSUED FOR CONSENT	SK	14.11.2018			
A	ISSUED FOR CONSENT	SK	31.10.2018			

**AECOM**

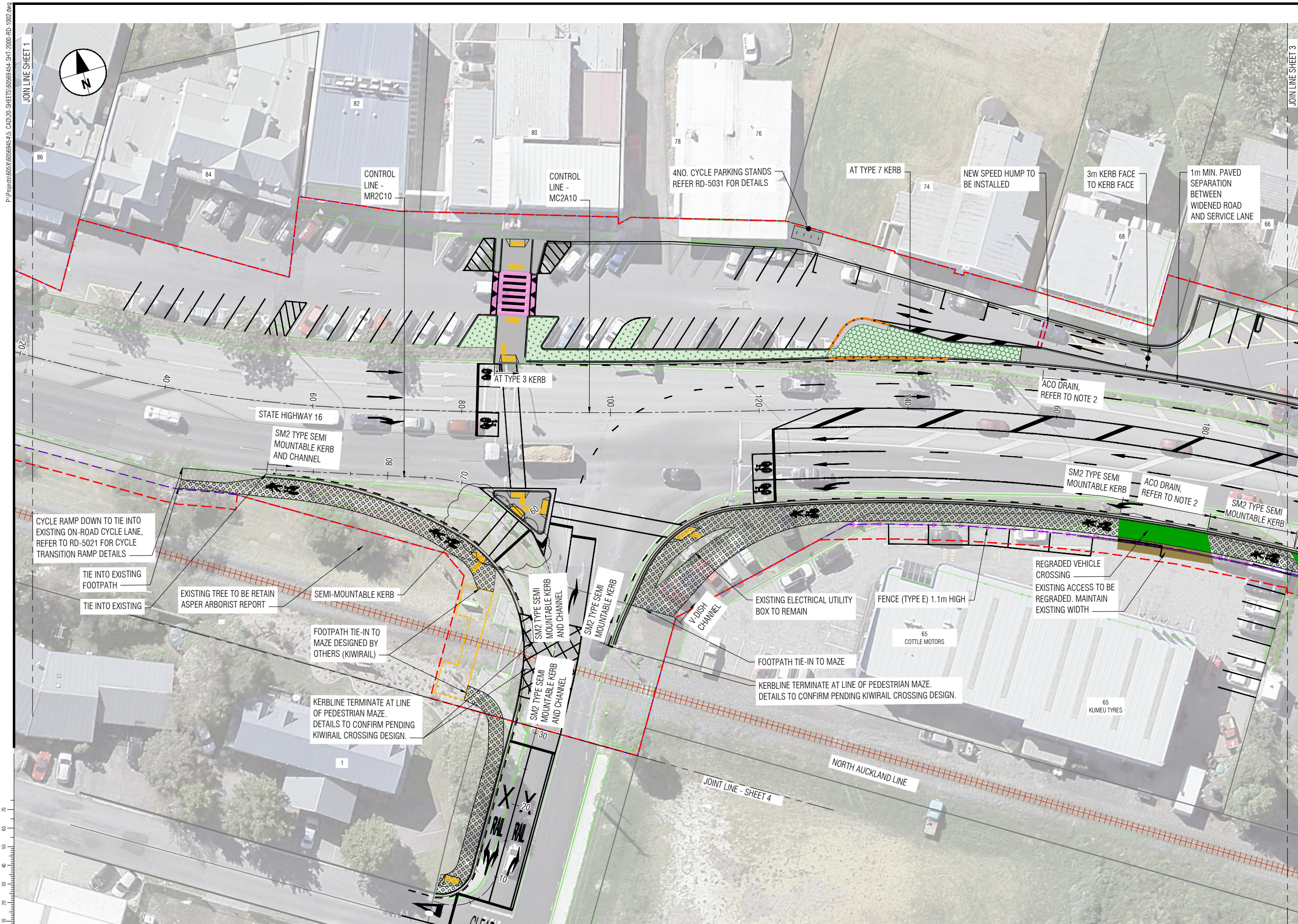
**Auckland Transport**  
An Auckland Council Organisation



Project: HUAPAI SHA TRANSPORTATION IMPROVEMENTS  
Drawing Title: SH16 / ACCESS ROAD WIDENING  
GENERAL ARRANGEMENT PLAN  
SHEET 1

Drawing Status:	<b>ISSUED FOR CONSENT</b>		
Drawing Date:	07.04.2021		
A1 Scales:	1:250	A3 Scales:	1:500
Contract Number:			
Drawing No:	60569454-SHT-2000-RD-1001		Revision: <b>H</b>





- LEGEND:**
- NEW ROAD MARKING
  - EXISTING ROAD MARKING
  - EXISTING PROPERTY BOUNDARY
  - CONSTRUCTION BOUNDARY
  - DESIGNATION BOUNDARY
  - SURVEY INFORMATION
  - CONTROL LINE
  - NEW FOOTPATH
  - CYCLE RAMP
  - TACTILE PAVING
  - PRAM CROSSING
  - EXISTING RAILWAY LINE
  - NEW KIWRAIL PEDESTRIAN MAZE (DESIGNED AND CONSTRUCTED BY OTHERS)
  - RAISED CONCRETE ISLAND
  - GREEN CYCLE SURFACING
  - REGRADED ACCESS
  - RAISED TABLE
  - BUS SHELTER
  - BERM PLANTING
  - RAINGARDEN PLANTING
  - CHORUS CHAMBER EXTENSION
  - FENCE (TYPE E)
  - RETAINING WALL
  - SPEED HUMP
  - SLOTTED KERB

- NOTES:**
- FOR GENERAL NOTES AND SPECIFICATIONS REFER TO 60569454-SHT-2000-RD-0011.
  - REFER TO THE STORMWATER DRAWING SERIES FOR ACO DRAIN TYPE.

A1 1:250  
A3 1:500

REV	DESCRIPTION	APPD	DATE	APPROVED	DATE
K	ISSUED FOR CONSENT	KN	07.04.2021	SURVEYED	N/A
J	FOR CLIENT REVIEW	KN	18.12.2020	DRAWN	J. ZHOU
I	REVISED FOR TENDER	RK	20.05.2020	DRAWING CHECK	R. KRUTHIVENTY
H	REVISED FOR TENDER	RK	05.02.2020	DESIGN	A. RAJAN
G	ISSUED FOR TENDER	SK	08.03.2019	DESIGN CHECK	S. OUYANG
F	FOR RESOURCE CONSENT	SK	15.02.2019	APPROVED	K. NGUYEN
E	RE-ISSUED FOR CONSENT	SK	14.11.2018		
D	ISSUED FOR CONSENT	SK	31.10.2018		

**AECOM**

**Auckland Transport**  
An Auckland Council Organisation



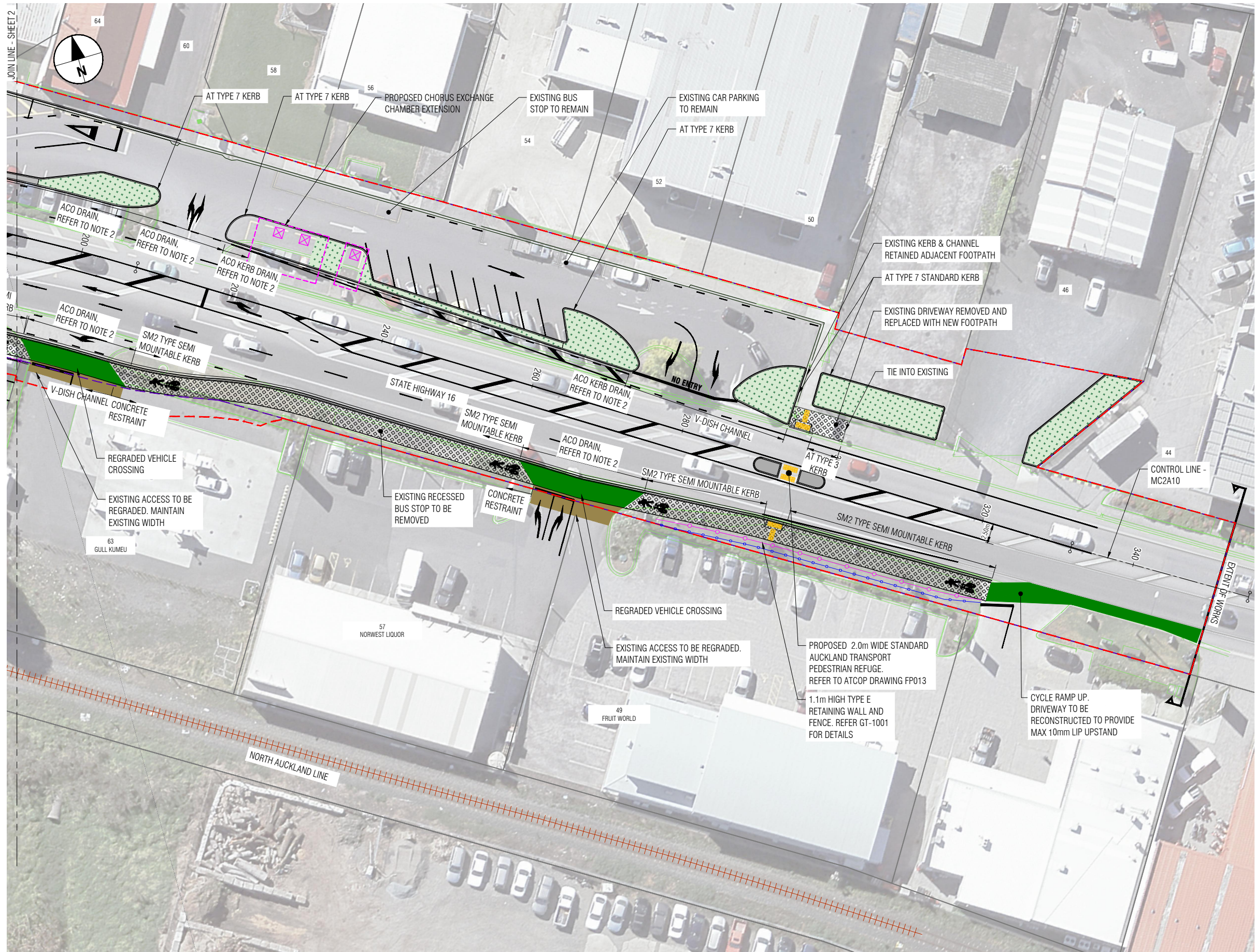
Project: HUAPAI SHA TRANSPORTATION IMPROVEMENTS  
Drawing Title: SH16 / ACCESS ROAD WIDENING  
GENERAL ARRANGEMENT PLAN  
SHEET 2

Drawing Status: **ISSUED FOR CONSENT**  
Drawing Date: 07.04.2021  
Contract Number: 60569454-SHT-2000-RD-1002  
Revision: K



P:\Projects\60569454-SHT-2000-RD-1003.dwg

ORIGINAL SIZE  
A1  
A3



LEGEND:

- NEW ROAD MARKING
- EXISTING ROAD MARKING
- EXISTING PROPERTY BOUNDARY
- CONSTRUCTION BOUNDARY
- DESIGNATION BOUNDARY
- SURVEY INFORMATION
- CONTROL LINE
- NEW FOOTPATH
- CYCLE RAMP
- TACTILE PAVING
- PRAM CROSSING
- EXISTING RAILWAY LINE
- NEW KIWI RAIL PEDESTRIAN MAZE (DESIGNED AND CONSTRUCTED BY OTHERS)
- RAISED CONCRETE ISLAND
- GREEN CYCLE SURFACING
- REGRADED ACCESS
- RAISED TABLE
- BUS SHELTER
- BERM PLANTING
- RAINGARDEN PLANTING
- CHORUS CHAMBER EXTENSION
- FENCE (TYPE E)
- RETAINING WALL
- SPEED HUMPS
- SLOTTED KERB

NOTES:

- FOR GENERAL NOTES AND SPECIFICATIONS REFER TO 60569454-SHT-2000-RD-0011.
- REFER TO THE STORMWATER DRAWING SERIES FOR ACO DRAIN TYPE.

A1 1:250  
A3 1:500

REV	DESCRIPTION	APPD	DATE	APPROVED	DATE
K	ISSUED FOR CONSENT	KN	07.04.2021	SURVEYED	N/A
J	FOR CLIENT REVIEW	KN	18.12.2020	DRAWN	J. ZHOU
I	REVISED FOR TENDER	RK	20.05.2020	DRAWING CHECK	R. KRUTHIVENTY
H	REVISED FOR TENDER	RK	05.02.2020	DESIGN	A. RAJAN
G	ISSUED FOR TENDER	SK	08.03.2019	DESIGN CHECK	S. OUYANG
F	FOR RESOURCE CONSENT	SK	15.02.2019	APPROVED	K. NGUYEN
E	RE-ISSUED FOR CONSENT	SK	14.11.2018		
D	ISSUED FOR CONSENT	SK	31.10.2018		

AECOM

Auckland Transport  
An Auckland Council Organisation



Project: HUAPAI SHA TRANSPORTATION IMPROVEMENTS  
Drawing Title: SH16 / ACCESS ROAD WIDENING  
GENERAL ARRANGEMENT PLAN  
SHEET 3

Drawing Status: ISSUED FOR CONSENT			
Drawing Date: 07.04.2021			
A1	1:250	A3	1:500
Contract Number: 60569454-SHT-2000-RD-1003			
Drawing No. 60569454-SHT-2000-RD-1003			Revision: K





1. FOR GENERAL NOTES AND SPECIFICATIONS  
REFER TO 60569454-SHT-2000-RD-0011.
2. REFER TO THE STORMWATER DRAWING SERIES  
FOR ACO DRAIN TYPE.

ORIGINAL SIZE A1								SURVEYED	N/A	N/A
								DRAWN	J. ZHOU	18.12.2020
								DRAWING CHECK	R. KRUTHIVENTY	18.12.2020
								DESIGN	A. RAJAN	18.12.2020
	C	ISSUED FOR CONSENT			KN	07.04.2021				
	B	FOR CLIENT REVIEW			KN	18.12.2020	DESIGN CHECK	S. OUYANG	18.12.2020	
	A	FOR KIWIIRAIL REVIEW			KN	18.11.2020				
	REV		DESCRIPTION	APPD	DATE		APPROVED	K. NGUYEN	18.12.2020	



Project: **HUAPAI SHA TRANSPORTATION IMPROVEMENTS**

Drawing Title: **SH16 / ACCESS ROAD WIDENING  
GENERAL ARRANGEMENT PLAN  
SHEET 4**

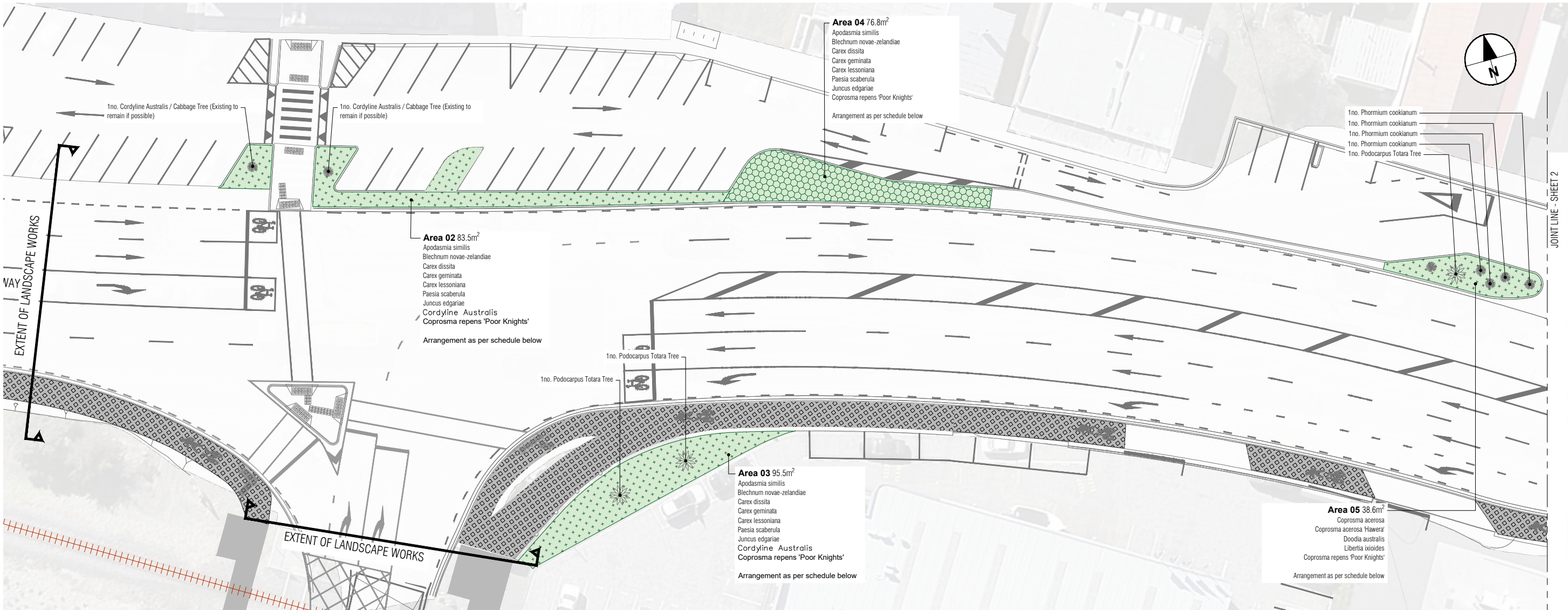
Drawing Status:	<b>ISSUED FOR CONSENT</b>			
Drawing Date:	07.04.2021			
A1 Scales	1:250	A3 Scales	1:500	
Contract Number:	..			
Drawing No.	60569454-SHT-2000-RD-1004			Revision <b>C</b>



P:\Projects\60569454-SHT-2000-LD-1001.dwg

0 10 20 30 40 50 60 70

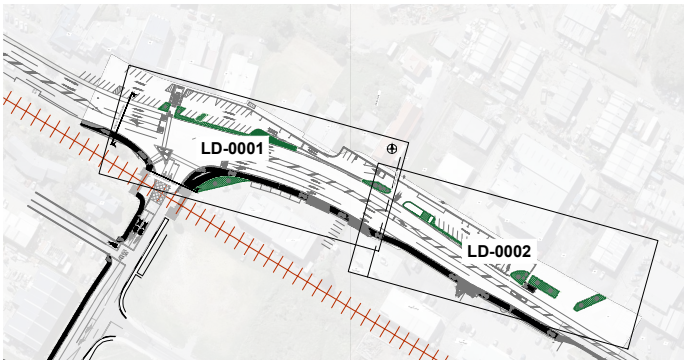
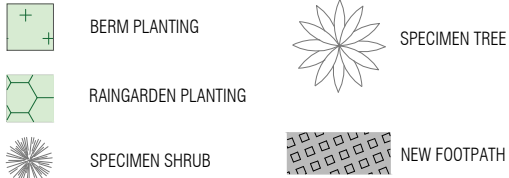
ORIGINAL SIZE  
A1



## LANDSCAPE PLANTNG PLAN

Scale 1:200

### LEGEND:



## LOCATION PLAN

Scale 1:2000

## NOTES:

- REFER TO DRAWING 60569454-SHT-2000-RD-0011 FOR GENERAL NOTES.
- REFER TO DRAWING 60569454-SHT-2000-DR-4001 FOR RAIN GARDEN TYPICAL DETAIL.
- REFER TO DRAWING SERIES 60569454-SHT-2000-RD-1001 TO 60569454-SHT-2000-RD-1004 FOR GENERAL ARRANGEMENT.
- REFER TO DRAWINGS SERIES 60599454-SHT-2000-UT-1001 TO 60569454-SHT-2000-UT-1004 FOR INDICATIVE LOCATIONS OF EXISTING AND PROPOSED UTILITIES.
- REFER TO DRAWING SERIES 60569454-SHT-2000-DR-1001 TO 60569454-SHT-2000-DR-1004 FOR STORMWATER INFORMATION.
- FOR PLANTING SCHEDULE REFER TO 60569454-SHT-2000-LD-1001.
- FOR PLANTING DETAIL REFER TO 60569454-SHT-2000-LD-1002.
- TOTARA TREES TO BE PLANTED IN TREE CELLS.
- FOR FURTHER PLANTING REQUIREMENTS REFER TO PROJECT SPECIFICATION (TBC).

### Berm planting

Botanical name	Common name	Height (mm)	Size (L)	Spacing (mm)	Total	Arrangement
<i>Coprosma acerosa</i>	Tarakupenga	300	3L	600	108	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb
<i>Coprosma acerosa</i> 'Hawera'	Green coprosma	300	3L	500	156	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb
<i>Coprosma repens</i> 'Poor Knights'	Taupata	600	3L	600	108	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb
<i>Doodia australis</i>	Pukupuku	300	3L	600	108	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb
<i>Libertia ixioides</i>	Mikoikoi	600	3L	400	203	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb

### Rain Gardens

Botanical name	Common name	Height (mm)	Size (L)	Spacing (mm)	Total	Arrangement
<i>Apodasmia similis</i>	Oioi	1000	3L	600	24	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb
<i>Blechnum novae-zelandiae</i>	Kiokio	1000	3L	1500	4	Plant in groups of 3(min)-7(max), plant at least 1500mm from edge of kerb
<i>Carex dissita</i>	Purei	800	3L	500	35	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb
<i>Carex geminata</i>	Cutty grass	500	3L	1000	9	Plant in groups of 3(min)-21(max), plant at least 500mm from edge of kerb
<i>Carex lessoniana</i>	Spreading swamp sedge	1000	3L	1500	4	Plant in groups of 3(min)-7(max), plant at least 1500mm from edge of kerb
<i>Paesia scaberula</i>	Scented fern	400	3L	1500	4	Plant in groups of 3(min)-7(max), plant at least 1500mm from edge of kerb
<i>Cordyline australis</i>	Cabbage tree	10000	3L	n/a	11	Plant as shown
<i>Juncus edgariae</i>	Wiwī	1500	3L	1000	9	Plant in groups of 3(min)-7(max), plant at least 1500mm from edge of kerb
<i>Phormium cookianum</i>	Wharariki, NZ Mountain Flax	1500	3L	1000	17	Plant as shown

## PLANT SCHEDULE

REV	DESCRIPTION	APPD	DATE	SURVEYED	N/A	N/A
G	ISSUED FOR CONSENT	KN	07.04.2021	DRAWN	J. ZHOU	18.12.2020
F	FOR CLIENT REVIEW	KN	18.12.2020	DRAWING CHECK	R. KENDAL	18.12.2020
E	REVISED FOR TENDER	SK	20.05.2020	DESIGN	WALKER LANDSCAPE	18.12.2020
D	ISSUED FOR TENDER	SK	08.03.2019	DESIGN CHECK	R. KENDAL	18.12.2020
C	ISSUED FOR CONSENT	SK	14.12.2018	DESIGN CHECK	R. KENDAL	18.12.2020
B	ISSUED FOR CONSENT	SK	26.11.2018	APPROVED	K. NGUYEN	18.12.2020
A	ISSUED FOR SAFETY AUDIT	SK	20.08.2018			

AECOM

Auckland Transport  
An Auckland Council Organisation

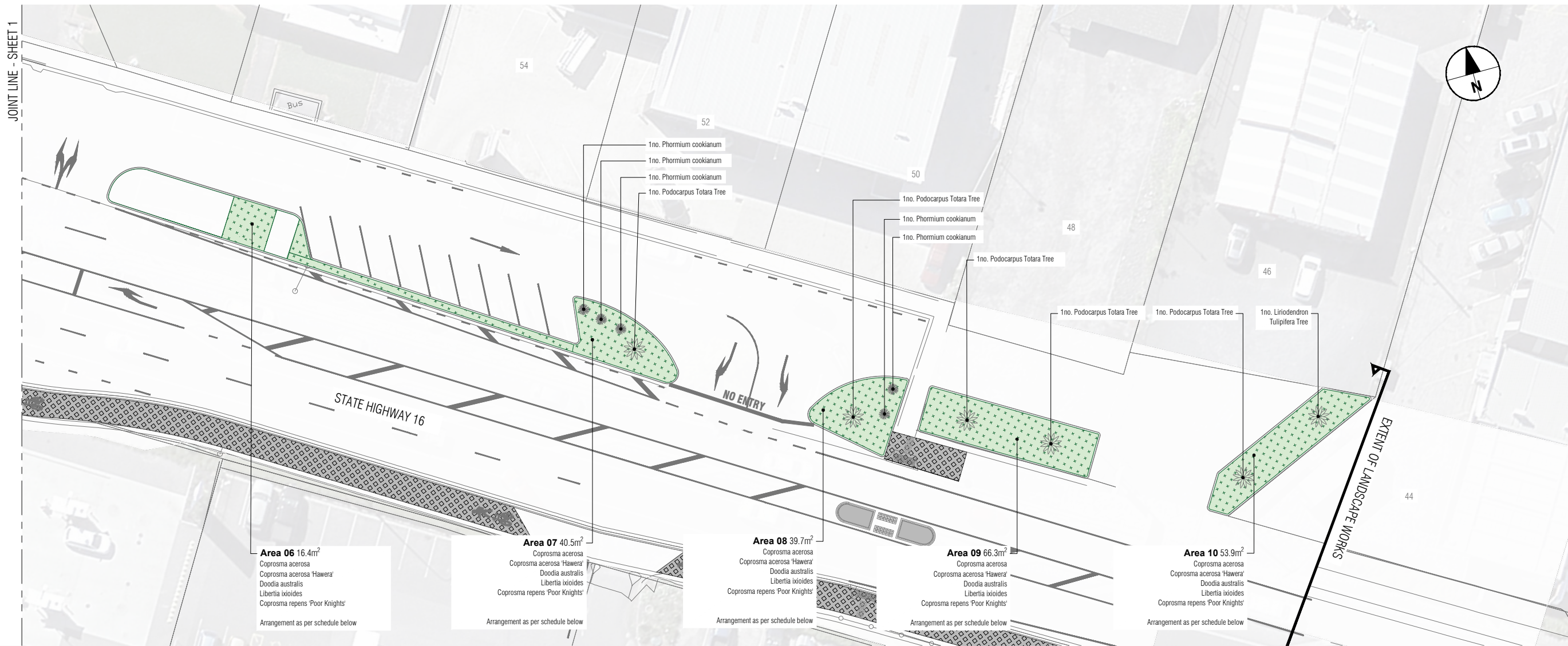


Project: HUAPAI SHA TRANSPORTATION IMPROVEMENTS  
Drawing Title: SH16 / ACCESS ROAD WIDENING LANDSCAPE LAYOUT PLAN SHEET 1

Drawing Status: ISSUED FOR CONSENT  
Drawing Date: 07.04.2021  
Contract Number: 60569454-SHT-2000-LD-1001  
Revision: G



P:\Projects\60569454-SHT-2000-LD-1002.dwg

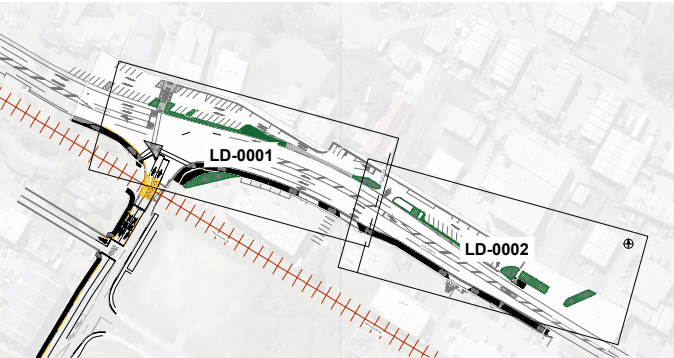


**LANDSCAPE PLANTING PLAN**  
Scale 1:200

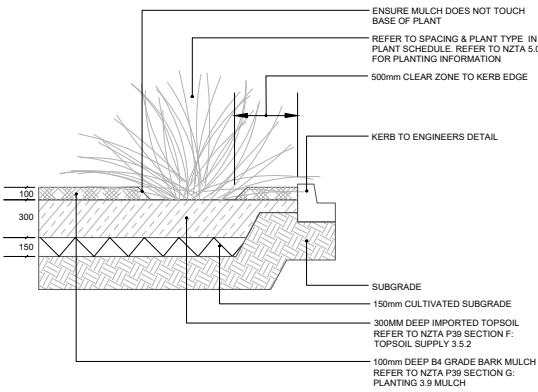
- LEGEND:**
- BERM PLANTING
  - RAINGARDEN PLANTING
  - SPECIMEN SHRUB
  - SPECIMEN TREE
  - NEW FOOTPATH

- NOTES:**
- REFER TO DRAWING 60569454-SHT-2000-RD-0011 FOR GENERAL NOTES.
  - REFER TO DRAWING 60569454-SHT-2000-DR-4001 FOR RAIN GARDEN TYPICAL DETAIL.
  - REFER TO DRAWING SERIES 60569454-SHT-2000-RD-1001 TO 60569454-SHT-2000-RD-1004 FOR GENERAL ARRANGEMENT.
  - REFER TO DRAWINGS SERIES 60599454-SHT-2000-UT-1001 TO 60569454-SHT-2000-UT-1004 FOR INDICATIVE LOCATIONS OF EXISTING AND PROPOSED UTILITIES.

- REFER TO DRAWING SERIES 60569454-SHT-2000-DR-1001 TO 60569454-SHT-2000-DR-1004 FOR STORMWATER INFORMATION.
- FOR PLANTING SCHEDULE REFER TO 60569454-SHT-2000-LD-1001.
- FOR PLANTING DETAIL REFER TO 60569454-SHT-2000-LD-1002.
- TOTARA TREES TO BE PLANTED IN TREE CELLS.
- FOR FURTHER PLANTING REQUIREMENTS REFER TO PROJECT SPECIFICATION (TBC).



**LOCATION PLAN**  
Scale 1:2000



**TYPICAL BERM PLANTING ADJACENT KERB DETAIL**

Scale 1:30

A1 1:200  
A3 1:400

ORIGINAL SIZE  
A1

REV	DESCRIPTION	APPD	DATE	SURVEYED	N/A	N/A
G	ISSUED FOR CONSENT	KN	07.04.2021	DRAWN	J. ZHOU	18.12.2020
F	FOR CLIENT REVIEW	KN	18.12.2020	DRAWING CHECK	R. KENDAL	18.12.2020
E	REVISED FOR TENDER	SK	20.05.2020	DESIGN	WALKER LANDSCAPE	18.12.2020
D	ISSUED FOR TENDER	SK	08.03.2019	DESIGN CHECK	R. KENDAL	18.12.2020
C	ISSUED FOR CONSENT	SK	14.12.2018	APPROVED	K. NGUYEN	18.12.2020
B	ISSUED FOR CONSENT	SK	26.11.2018			
A	ISSUED FOR SAFETY AUDIT	SK	20.08.2018			

**AECOM**

**Auckland Transport**  
An Auckland Council Organisation



Project: HUAPAI SHA TRANSPORTATION IMPROVEMENTS  
Drawing Title: SH16 / ACCESS ROAD WIDENING  
LANDSCAPE LAYOUT PLAN  
SHEET 2

Drawing Status:	<b>ISSUED FOR CONSENT</b>		
Drawing Date:	07.04.2021		
A1 Scales:	1:200	A3 Scales:	1:400
Contract Number:			
Drawing No:	60569454-SHT-2000-LD-1002		
Revision:	<b>G</b>		