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NoR D2 LOCATION PLAN
SCALE 1:5000

- GENERAL**
- 1.1 NoR D2 INCLUDES THE FOLLOWING SECTIONS:
- JESMOND ROAD FTN UPGRADE
 - BREMNER ROAD FTN UPGRADE
 - WAIHOEHOE ROAD (WEST) FTN UPGRADE



NOT FOR CONSTRUCTION

ORIGINAL SIZE A1

A1 1:5000
A3 1:10000

REV	DESCRIPTION	DATE	APPROVED
C	ISSUED FOR NoR LODGEMENT	18.12.2020	GB
B	REISSUED FOR APPROVAL	24.07.2020	JDT
A	ISSUED FOR APPROVAL	21.07.2020	JDT

ACTIVITY	DATE	BY
SURVEYED	N/A	
DRAWN	21.11.2019	G. BROWN
DRAWING CHECK	21.12.2020	J. DELA TORRE
DESIGN	18.12.2020	R. BELTRAN
DESIGN REVIEW	18.12.2019	A. REVELL
APPROVED	27.01.2021	R. MASON



SUPPORTING GROWTH PROGRAMME

Drawing Title: **SUMMARY SHEET**

AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD

Drawing Status:		Revision:	
FOR LODGEMENT		27.01.2021	
A1 Scale Discipline	1:5000 CIVIL	A3 Scale Discipline	1:10000
SGA-DRG-STH-004-GE-0950		C	

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LEGEND GENERAL

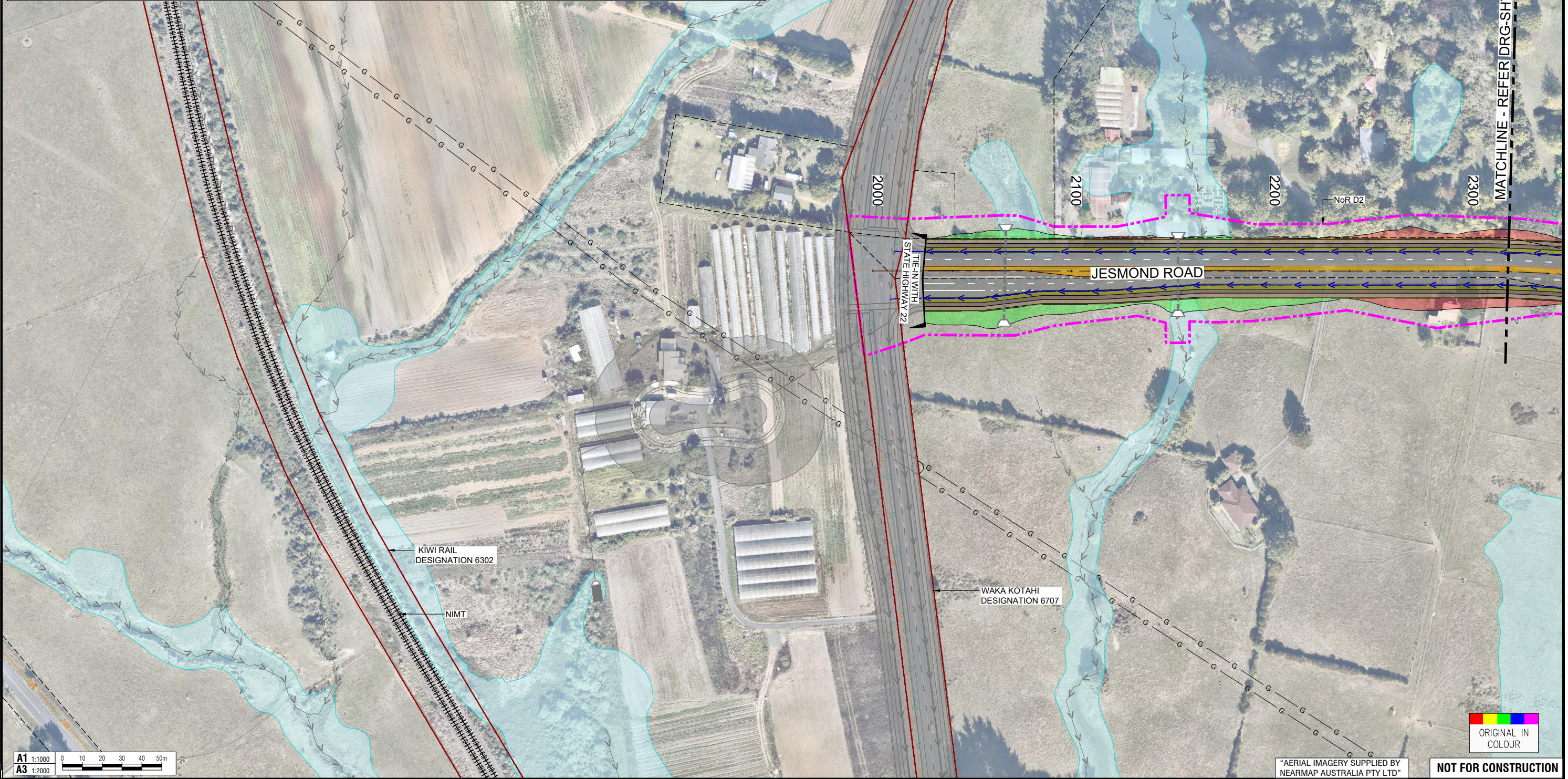
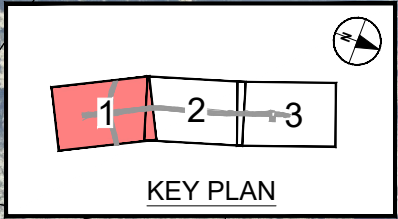
- +— CONTROL LINE AND CHAINAGE
- - - EXISTING PROPERTY BOUNDARY
- - - EXISTING DESIGNATION BOUNDARY
- - - PROPOSED DESIGNATION BOUNDARY
- ▬ PROPOSED ROAD CORRIDOR
- ▬ PROPOSED FOOTPATH
- ▬ PROPOSED CYCLEWAY
- ▬ PROPOSED BERM
- ▬ PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND
- ▬ PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)
- ▬ FILL BATTER
- ▬ CUT BATTER
- ▬ RAIL TRACK
- ▬ PROPOSED RETAINING WALL
- ▬ ACTIVE MODE CROSSING
- ▬ HISTORIC HERITAGE
- ▬ TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA
- ▬ MARINE SIGNIFICANT ECOLOGICAL AREA
- ▬ 100 YR FLOOD PLAIN
- ▬ PRECINCT

LEGEND STORMWATER

- ▬ PROPOSED WETLAND
- ▬ PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- ▬ PROPOSED HEADWALL
- ▬ PROPOSED RIP RAP
- ▬ PROPOSED SW PIPE
- ▬ INDICATIVE FLOW DIRECTION
- ▬ PROPOSED SWALE
- ▬ PROPOSED DIVERSION DRAIN
- ▬ PROPOSED OVERLAND FLOW PATH
- ▬ PROPOSED DRAIN CHANNEL
- ▬ EXISTING CULVERT
- ▬ EXISTING SW PIPE
- ▬ EXISTING OVERLAND FLOW PATH

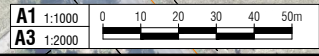
LEGEND EXISTING UTILITIES

- ▬ FIRST GAS TRANSMISSION LINES
- ▬ WATERCARE (MAIN)
- ▬ TRANSPOWER OVERHEAD LINES
- ▬ COUNTIES POWER LOW VOLTAGE CABLE
- ▬ COUNTIES POWER MEDIUM VOLTAGE CABLE
- ▬ COUNTIES POWER HIGH VOLTAGE CABLE
- ▬ WASTEWATER (MAIN)
- ▬ SPARK FIBRE OPTIC



MATCHLINE - REFER DRG-SHT-004-CI-1102

ORIGINAL SIZE A1



"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD"

NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	BY	CHKD	DATE
F	18.12.2020	ISSUED FOR NoR LODGEMENT	GB	J. DELA TORRE	14.11.2019
E	24.07.2020	REISSUED FOR APPROVAL	JDT	J. DELA TORRE	15.05.2020
D	21.07.2020	ISSUED FOR APPROVAL	JDT	R. BELTRAN	14.11.2019
C	15.05.2020	ISSUED FOR ENGAGEMENT	JDT	N. GUO	15.05.2020
B	28.02.2020	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	JDT	R. MASON	21.07.2020
A	14.02.2020	DRAFT ISSUE FOR REVIEW	JDT		



SUPPORTING GROWTH PROGRAMME
DRURY - JESMOND ROAD FTN UPGRADE (A SECTION OF NoR D2)
 Project Title:
GENERAL ARRANGEMENT LAYOUT PLAN
 SHEET 1 OF 2

FOR LODGEMENT			
Drawing Date:		21.11.2019	
A1 Scales	1:1000	A3 Scales	1:2000
Discipline: CIVIL			
Drawing No: SGA-DRG-STH-004-CI-1101			Revision: F

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LEGEND GENERAL

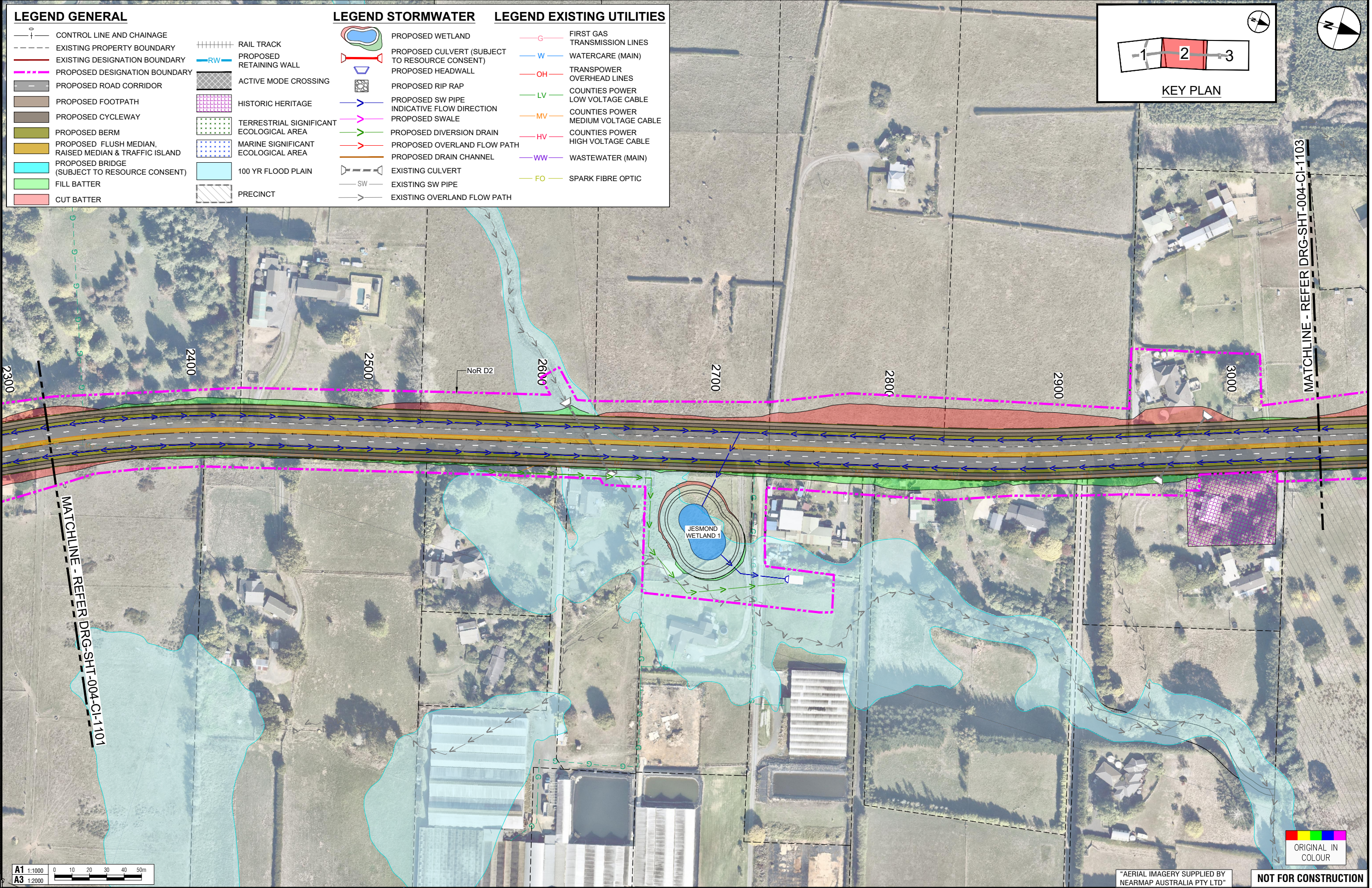
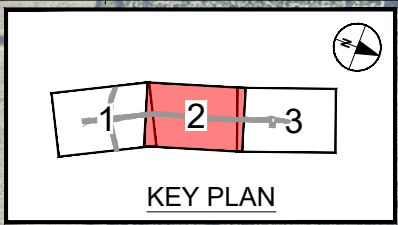
- CONTROL LINE AND CHAINAGE
- EXISTING PROPERTY BOUNDARY
- EXISTING DESIGNATION BOUNDARY
- PROPOSED DESIGNATION BOUNDARY
- PROPOSED ROAD CORRIDOR
- PROPOSED FOOTPATH
- PROPOSED CYCLEWAY
- PROPOSED BERM
- PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND
- PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)
- FILL BATTER
- CUT BATTER
- RAIL TRACK
- PROPOSED RETAINING WALL
- ACTIVE MODE CROSSING
- HISTORIC HERITAGE
- TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA
- MARINE SIGNIFICANT ECOLOGICAL AREA
- 100 YR FLOOD PLAIN
- PRECINCT

LEGEND STORMWATER

- PROPOSED WETLAND
- PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- PROPOSED HEADWALL
- PROPOSED RIP RAP
- PROPOSED SW PIPE
- PROPOSED DIVERSION DRAIN
- PROPOSED OVERLAND FLOW PATH
- PROPOSED DRAIN CHANNEL
- EXISTING CULVERT
- EXISTING SW PIPE
- EXISTING OVERLAND FLOW PATH

LEGEND EXISTING UTILITIES

- FIRST GAS TRANSMISSION LINES
- WATERCARE (MAIN)
- TRANSPower OVERHEAD LINES
- COUNTIES POWER LOW VOLTAGE CABLE
- COUNTIES POWER MEDIUM VOLTAGE CABLE
- COUNTIES POWER HIGH VOLTAGE CABLE
- WASTEWATER (MAIN)
- SPARK FIBRE OPTIC



ORIGINAL SIZE A1

A1 1:1000
A3 1:2000

ORIGINAL IN COLOUR

*AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD

NOT FOR CONSTRUCTION

REV	DATE	APPROVED	DESIGN REVIEW	DESIGN	DRAWING CHECK	DRAWN	SURVEYED
F	18.12.2020	J. DELA TORRE	N/A				
E	24.07.2020	J. DELA TORRE					
D	21.07.2020	R. BELTRAN					
C	15.05.2020						
B	28.02.2020	N. GUO					
A	14.02.2020	R. MASON					



SUPPORTING GROWTH PROGRAMME
DRURY - JESMOND ROAD FTN UPGRADE (A SECTION OF NoR D2)
 Drawing Title:
GENERAL ARRANGEMENT LAYOUT PLAN
 SHEET 2 OF 2

Drawing Status:		FOR LODGEMENT	
Drawing Date:	21.11.2019		
A1 Scale:	1:1000	A3 Scale:	1:2000
Discipline:	CIVIL		
Drawing No:	SGA-DRG-STH-004-CI-1102	Revision:	F

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LEGEND GENERAL

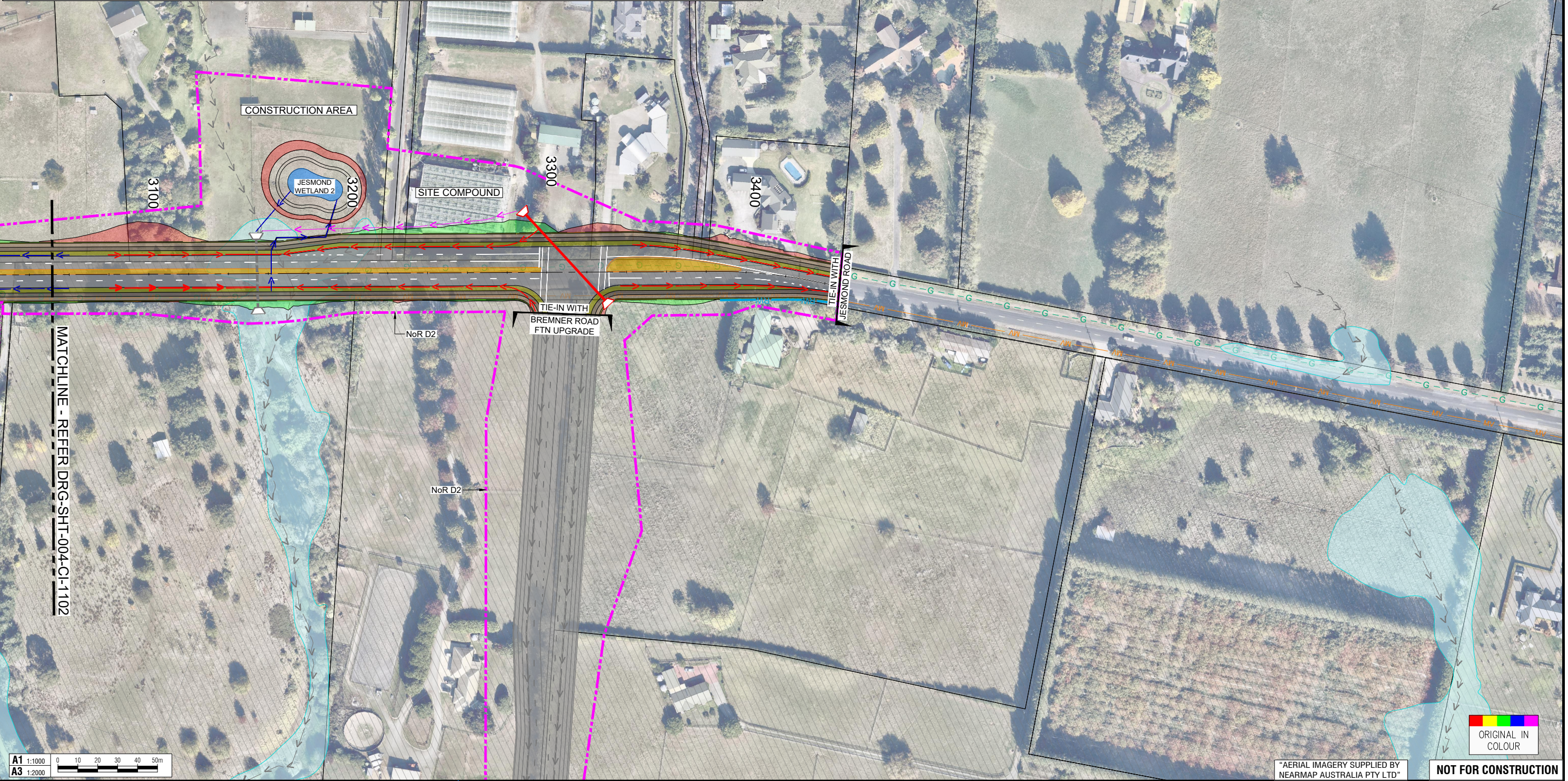
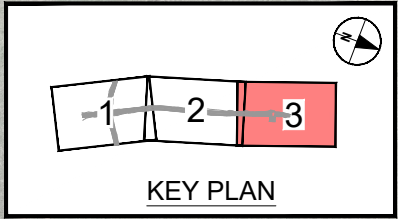
- CONTROL LINE AND CHAINAGE
- EXISTING PROPERTY BOUNDARY
- EXISTING DESIGNATION BOUNDARY
- PROPOSED DESIGNATION BOUNDARY
- PROPOSED ROAD CORRIDOR
- PROPOSED FOOTPATH
- PROPOSED CYCLEWAY
- PROPOSED BERM
- PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND
- PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)
- FILL BATTER
- CUT BATTER
- RAIL TRACK
- PROPOSED RETAINING WALL
- ACTIVE MODE CROSSING
- HISTORIC HERITAGE
- TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA
- MARINE SIGNIFICANT ECOLOGICAL AREA
- 100 YR FLOOD PLAIN
- PRECINCT

LEGEND STORMWATER

- PROPOSED WETLAND
- PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- PROPOSED HEADWALL
- PROPOSED RIP RAP
- PROPOSED SW PIPE
- PROPOSED SWALE
- PROPOSED DIVERSION DRAIN
- PROPOSED OVERLAND FLOW PATH
- PROPOSED DRAIN CHANNEL
- EXISTING CULVERT
- EXISTING SW PIPE
- EXISTING OVERLAND FLOW PATH

LEGEND EXISTING UTILITIES

- FIRST GAS TRANSMISSION LINES
- WATERCARE (MAIN)
- TRANSPOWER OVERHEAD LINES
- COUNTIES POWER LOW VOLTAGE CABLE
- COUNTIES POWER MEDIUM VOLTAGE CABLE
- COUNTIES POWER HIGH VOLTAGE CABLE
- WASTEWATER (MAIN)
- SPARK FIBRE OPTIC



ORIGINAL SIZE A1

REV	DATE	BY	CHKD	APPV	REVISIONS
F	18.12.2020	GB			ISSUED FOR NoR LODGEMENT
E	24.07.2020	JDY			REISSUED FOR APPROVAL
D	21.07.2020	JDY			ISSUED FOR APPROVAL
C	15.05.2020	JDY			ISSUED FOR ENGAGEMENT
B	28.02.2020	JDY			ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT
A	14.02.2020	JDY			DRAFT ISSUE FOR REVIEW

SURVEYED	N/A
DRAWN	J. DELA TORRE 14.11.2019
DRAWING CHECK	J. DELA TORRE 15.05.2020
DESIGN	R. BELTRAN 14.11.2019
DESIGN REVIEW	N. GUO 15.05.2020
APPROVED	R. MASON 21.07.2020

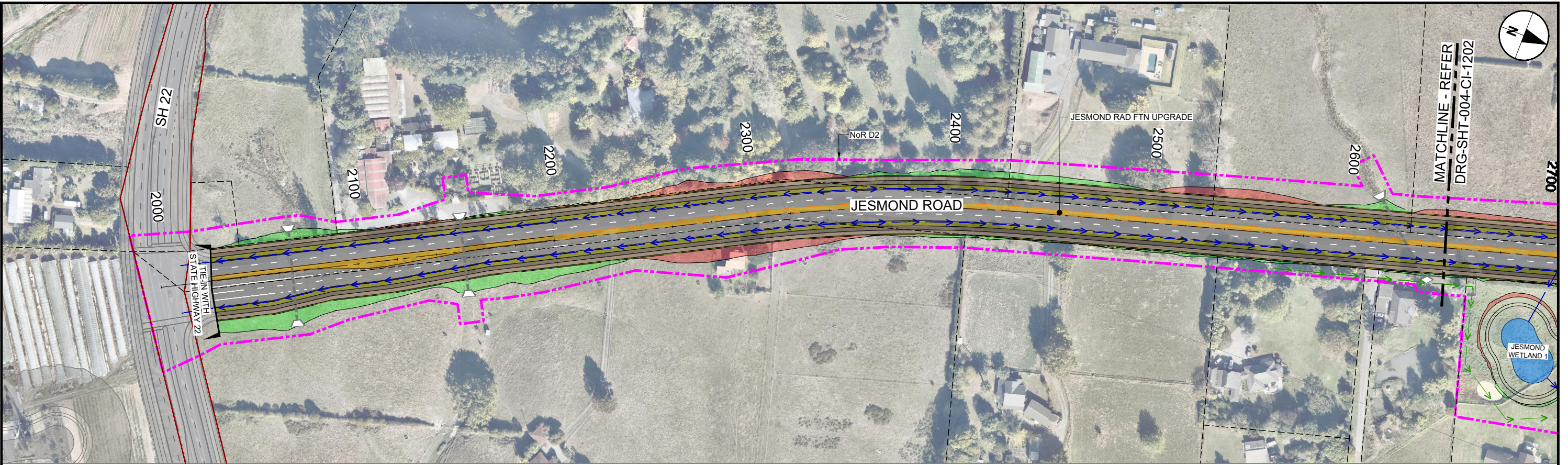


SUPPORTING GROWTH PROGRAMME
DRURY - JESMOND ROAD FTN UPGRADE (A SECTION OF NoR D2)
 Drawing Title:
GENERAL ARRANGEMENT LAYOUT PLAN
SHEET 3 OF 3

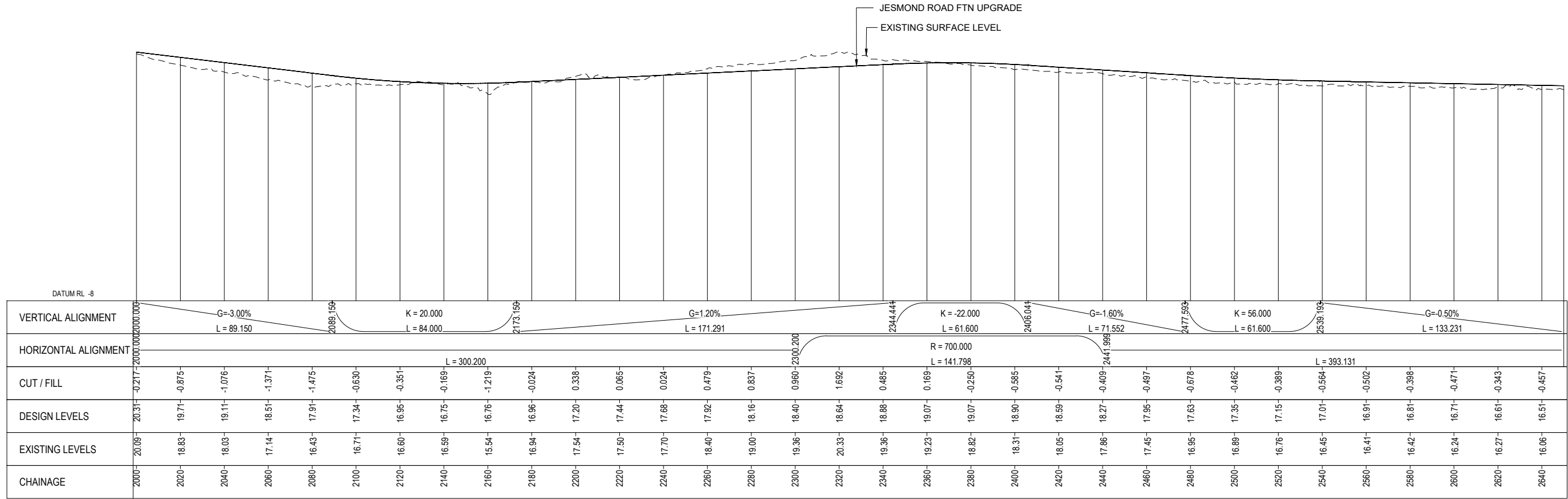
Drawing Status:		FOR LODGEMENT	
Drawing Date:	21.11.2019		
A1 Scale:	1:1000	A3 Scale:	1:2000
Discipline: CIVIL			
Drawing No:	SGA-DRG-STH-004-CI-1103	Revision:	F

NOT FOR CONSTRUCTION

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PLAN VIEW - JESMOND ROAD FTN UPGRADE
Scale 1:1000



LONGITUDINAL SECTION - JESMOND ROAD FTN UPGRADE
SCALE HORIZ=1:1000 VERT=1:250

ORIGINAL IN COLOUR

ORIGINAL SIZE A1

REV	REVISIONS	DATE	APPROVED	DATE
F	ISSUED FOR NoR LODGEMENT	12.18.2020	JDT	12.18.2020
E	REISSUED FOR APPROVAL	24.07.2020	DD	24.07.2020
D	ISSUED FOR APPROVAL	21.07.2020	DD	21.07.2020
C	ISSUED FOR ENGAGEMENT	15.05.2020	DD	15.05.2020
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.02.2020	RB	28.02.2020
A	DRAFT ISSUE FOR REVIEW	14.02.2020	RB	14.02.2020



SUPPORTING GROWTH PROGRAMME
DRURY - JESMOND ROAD FTN UPGRADE (A SECTION OF NoR D2)

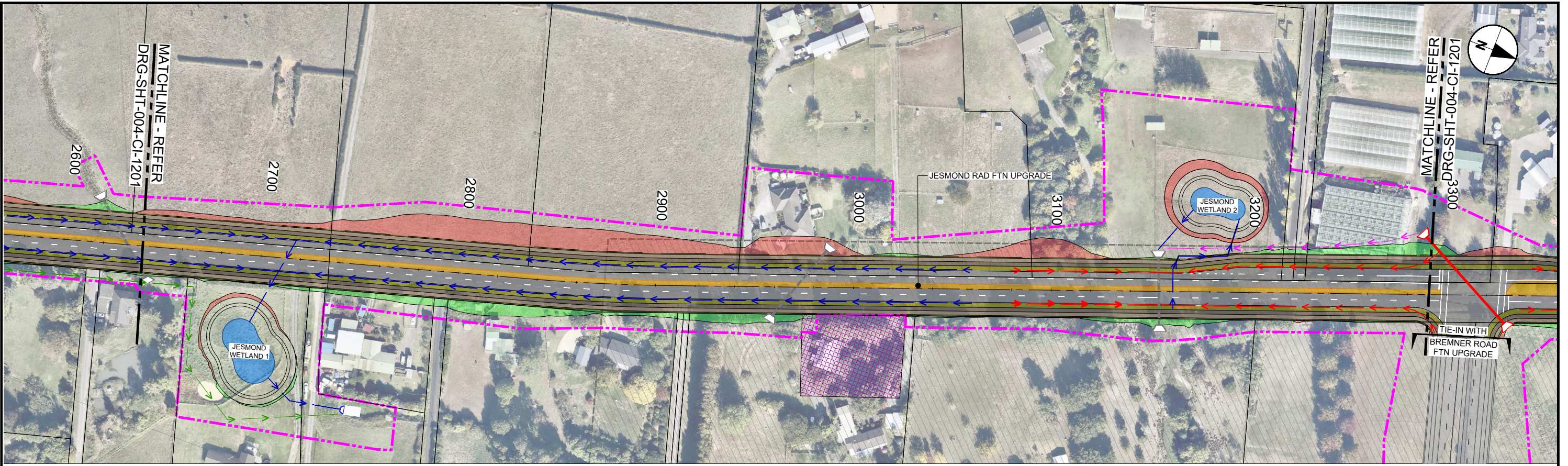
Drawing Title: **PLAN AND LONGITUDINAL SECTION**
SHEET 1 OF 3

AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD

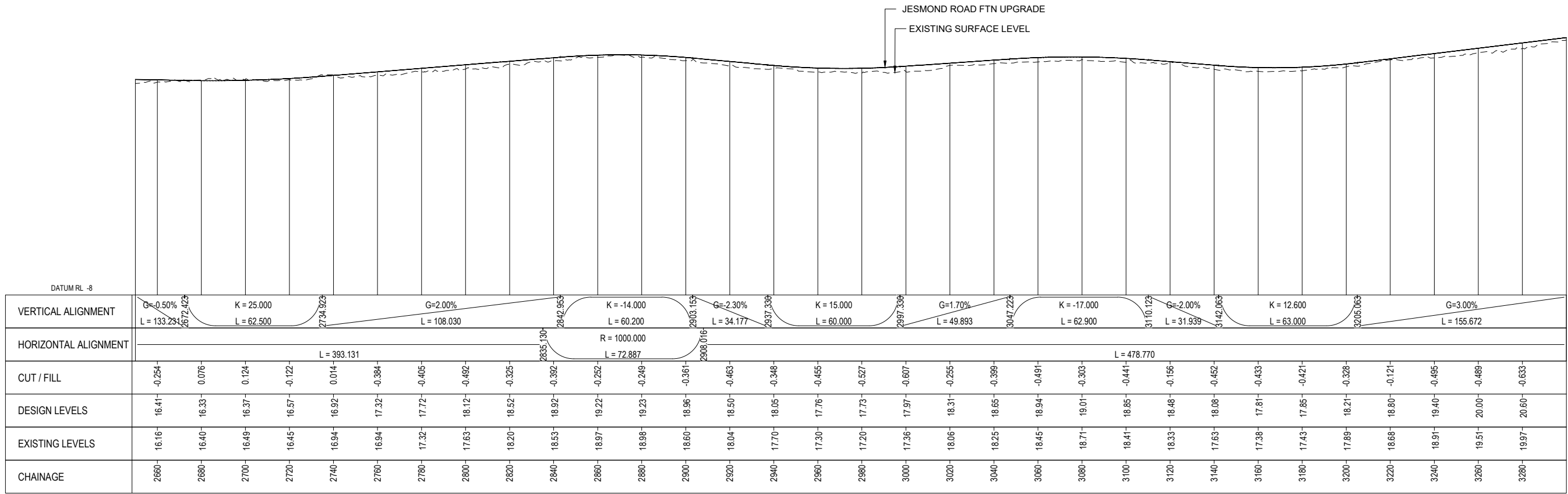
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Drawing Status:		FOR LODGEMENT	
Drawing Date:	14.02.2020		
A1 Scale:	1:1000H 1:250V	A3 Scale:	1:2000H 1:500V
Discipline: CIVIL			
Drawing No:	SGA-DRG-STH-004-CI-1201	Revision:	F

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PLAN VIEW - JESMOND ROAD FTN UPGRADE
Scale 1:1000



LONGITUDINAL SECTION - JESMOND ROAD FTN UPGRADE
SCALE HORIZ=1:1000 VERT=1:250



ORIGINAL SIZE A1

REV	REVISIONS	DATE	APPROVED	DATE
F	ISSUED FOR NoR LODGEMENT	12.18.2020	JDT	12.18.2020
E	REISSUED FOR APPROVAL	24.07.2020	DD	24.07.2020
D	ISSUED FOR APPROVAL	21.07.2020	DD	21.07.2020
C	ISSUED FOR ENGAGEMENT	15.05.2020	DD	15.05.2020
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.02.2020	RB	28.02.2020
A	DRAFT ISSUE FOR REVIEW	14.02.2020	RB	14.02.2020



SUPPORTING GROWTH PROGRAMME
DRURY - JESMOND ROAD FTN UPGRADE (A SECTION OF NoR D2)

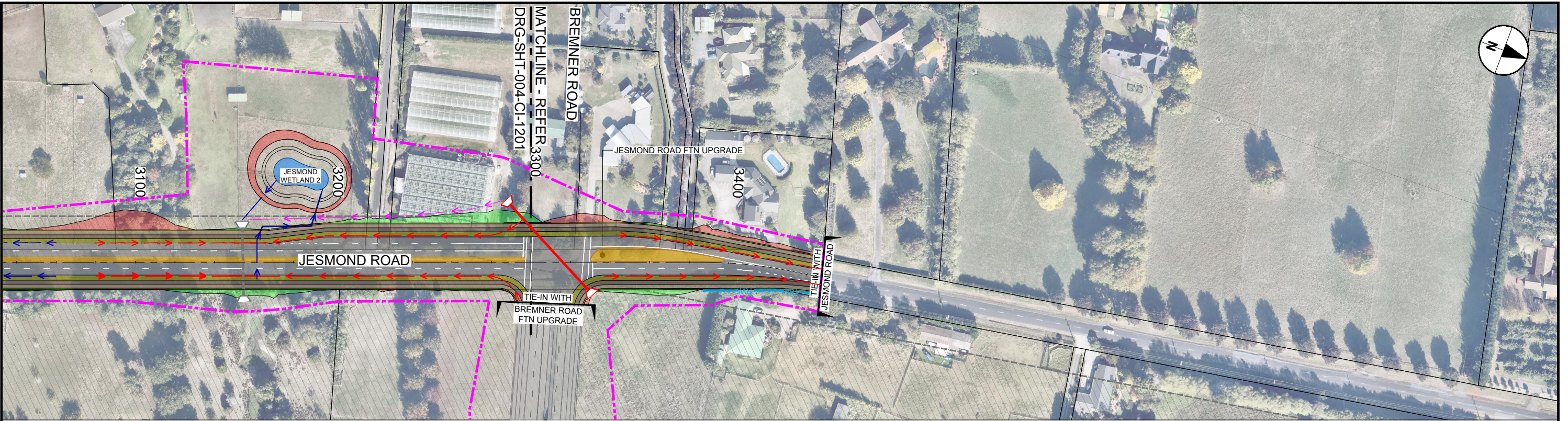
Drawing Title:
PLAN AND LONGITUDINAL SECTION
SHEET 2 OF 3

AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD

NOT FOR CONSTRUCTION

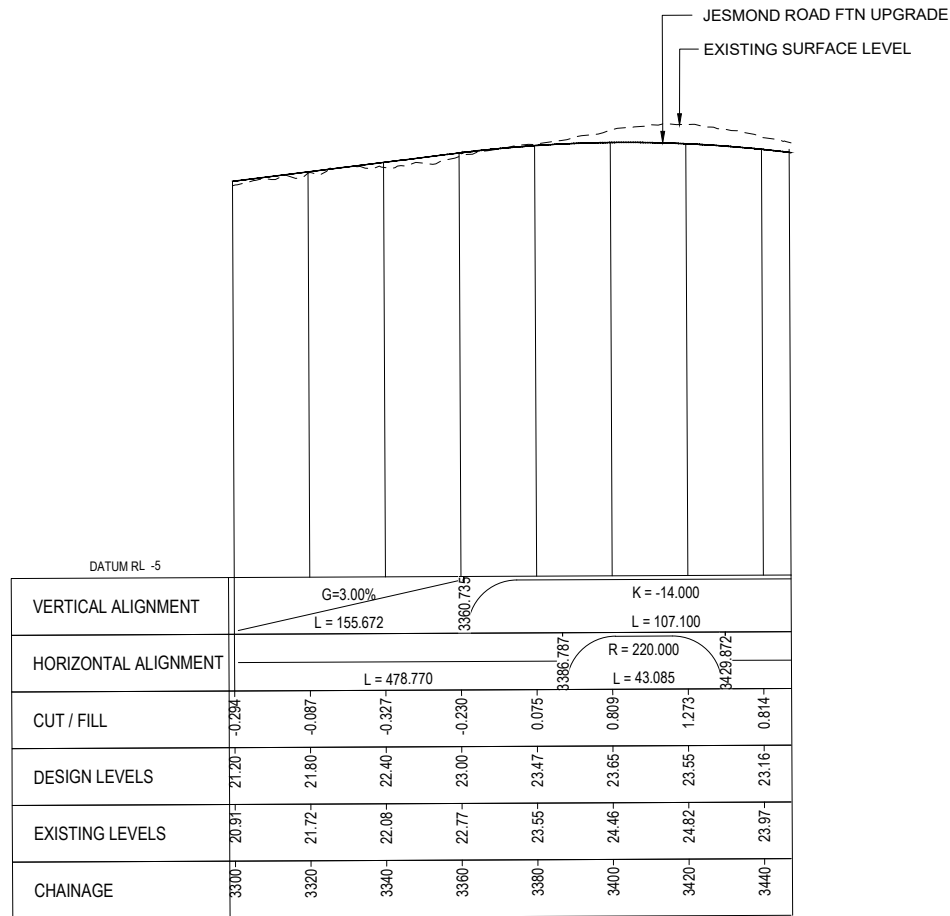
Drawing Status:		FOR LODGEMENT	
Drawing Date:	14.02.2020		
A1 Scale:	1:1000H 1:250V	A3 Scale:	1:2000H 1:500V
Discipline: CIVIL			
Drawing No: SGA-DRG-STH-004-CI-1202			Revision: F

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PLAN VIEW - JESMOND ROAD FTN UPGRADE

Scale 1:1000



LONGITUDINAL SECTION - JESMOND ROAD FTN UPGRADE

SCALE HORIZ=1:1000 VERT=1:250

ORIGINAL SIZE A1
0 10 20 30 40 50 60 70 80 90 100mm



"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD"

NOT FOR CONSTRUCTION

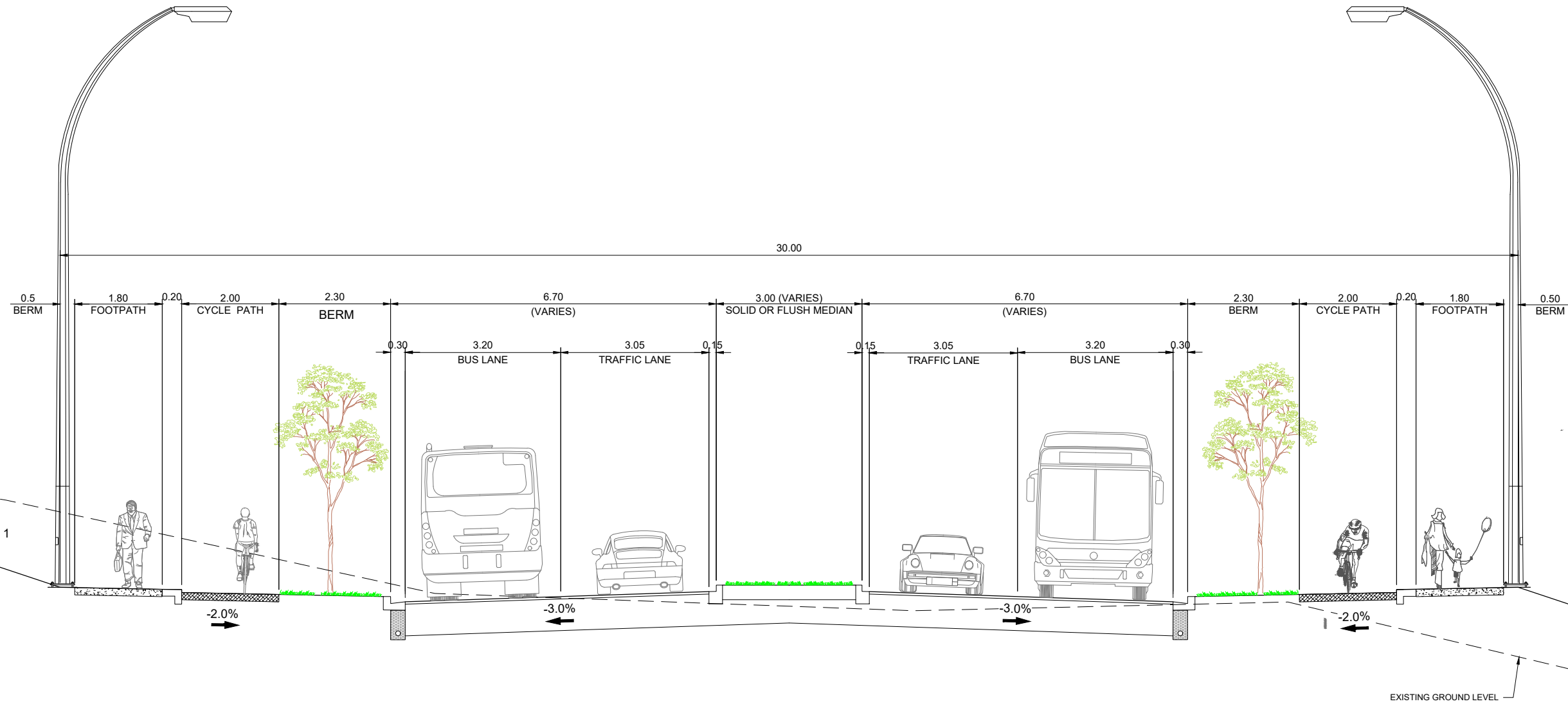
REV	REVISIONS	DRAWN	DATE	APPROVED	DATE
F	ISSUED FOR NoR LODGEMENT	JDT	12.18.2020		
E	REISSUED FOR APPROVAL	DD	24.07.2020		
D	ISSUED FOR APPROVAL	DD	21.07.2020		
C	ISSUED FOR ENGAGEMENT	DD	15.05.2020		
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	RB	28.02.2020		
A	DRAFT ISSUE FOR REVIEW	RB	14.02.2020		



Project: **SUPPORTING GROWTH PROGRAMME**
DRURY - JESMOND ROAD FTN UPGRADE (A SECTION OF NoR D2)
 Drawing Title: **PLAN AND LONGITUDINAL SECTION**
SHEET 3 OF 3

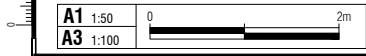
Drawing Status: FOR LODGEMENT	
Drawing Date: 14.02.2020	Revision: F
A1 Scales: 1:1000H 1:250V	A3 Scales: 1:2000H 1:500V
Discipline: CIVIL	
Drawing No: SGA-DRG-STH-004-CI-1203	

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A | TYPICAL CROSS SECTION
Scale 1:50

ORIGINAL SIZE A1



NOT FOR CONSTRUCTION

REV	REVISIONS	DATE	APPROVED	DATE
A	DRAFT ISSUE FOR REVIEW	14.02.2020	JDT	14.02.2020
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.02.2020	JDT	28.02.2020
C	ISSUED FOR ENGAGEMENT	15.05.2020	JDT	15.05.2020
D	ISSUED FOR APPROVAL	21.07.2020	JDT	21.07.2020
E	REISSUED FOR APPROVAL	24.07.2020	JDT	24.07.2020

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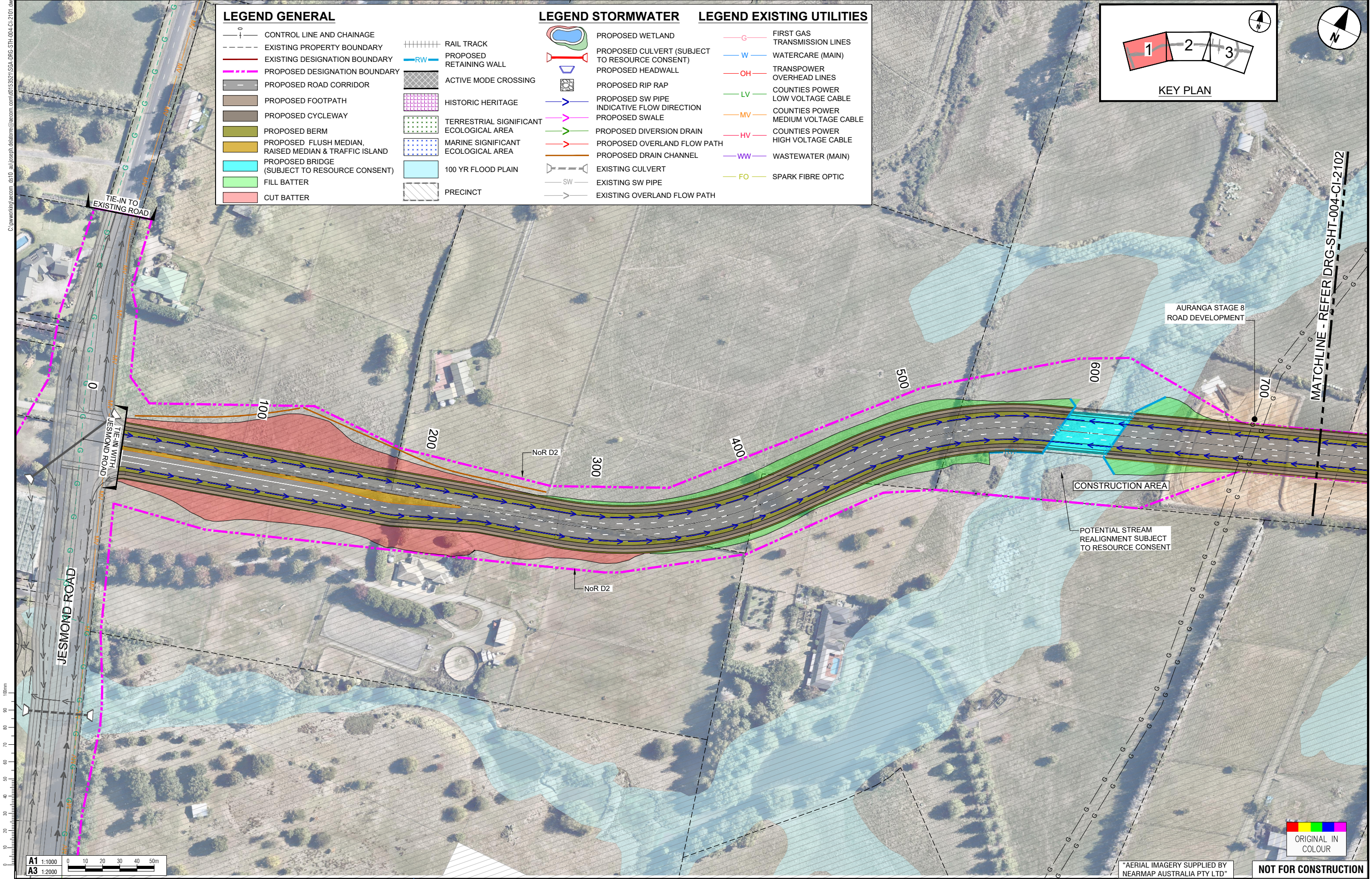
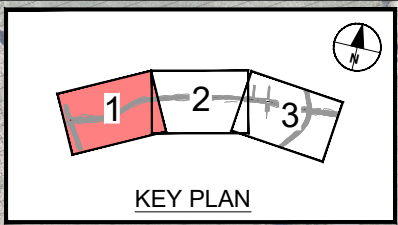
Project: **SUPPORTING GROWTH PROGRAMME**
DRURY - JESMOND ROAD FTN UPGRADE (A SECTION OF NoR D2)

Drawing Title: **TYPICAL CROSS SECTION**

Drawing Status: FOR LODGEMENT	
Drawing Date: 21.11.2019	Revision: E
A1 Scales: 1:50	A3 Scales: 1:100
Discipline: CIVIL	
Drawing No: SGA-DRG-STH-004-CI-1301	

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LEGEND GENERAL		LEGEND STORMWATER		LEGEND EXISTING UTILITIES	
	CONTROL LINE AND CHAINAGE		PROPOSED WETLAND		FIRST GAS TRANSMISSION LINES
	EXISTING PROPERTY BOUNDARY		PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)		WATERCARE (MAIN)
	EXISTING DESIGNATION BOUNDARY		PROPOSED HEADWALL		TRANSPOWER OVERHEAD LINES
	PROPOSED ROAD CORRIDOR		PROPOSED RIP RAP		COUNTIES POWER LOW VOLTAGE CABLE
	PROPOSED FOOTPATH		PROPOSED SW PIPE		COUNTIES POWER MEDIUM VOLTAGE CABLE
	PROPOSED CYCLEWAY		INDICATIVE FLOW DIRECTION		COUNTIES POWER HIGH VOLTAGE CABLE
	PROPOSED BERM		PROPOSED SWALE		WASTEWATER (MAIN)
	PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND		PROPOSED DIVERSION DRAIN		SPARK FIBRE OPTIC
	PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)		PROPOSED OVERLAND FLOW PATH		
	FILL BATTER		PROPOSED DRAIN CHANNEL		
	CUT BATTER		EXISTING CULVERT		
			EXISTING SW PIPE		
			EXISTING OVERLAND FLOW PATH		
	RAIL TRACK				
	PROPOSED RETAINING WALL				
	ACTIVE MODE CROSSING				
	HISTORIC HERITAGE				
	TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA				
	MARINE SIGNIFICANT ECOLOGICAL AREA				
	100 YR FLOOD PLAIN				
	PRECINCT				



ORIGINAL SIZE A1

A1	1:1000
A3	1:2000

REV	DESCRIPTION	DATE	BY	CHKD	DATE
F	ISSUED FOR NoR LODGEMENT	18.12.2020	GB		
E	REISSUED FOR APPROVAL	24.07.2020	JDT		
D	ISSUED FOR APPROVAL	21.07.2020	JDT		
C	ISSUED FOR ENGAGEMENT	15.05.2020	JDT		
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.20.2020	JDT		
A	DRAFT ISSUE FOR REVIEW	14.02.2020	JDT		

SURVEYED	N/A
DRAWN	J. DELA TORRE 14.11.2019
DRAWING CHECK	J. DELA TORRE 15.05.2020
DESIGN	R. BELTRAN 14.11.2019
DESIGN REVIEW	N. GUO 15.05.2020
APPROVED	R. MASON 21.07.2020



SUPPORTING GROWTH PROGRAMME
DRURY - BREMNER ROAD FTN UPGRADE (A SECTION OF NoR D2)
 Project:
 Drawing Title:
GENERAL ARRANGEMENT LAYOUT PLAN
SHEET 1 OF 3

Drawing Status:		FOR LODGEMENT	
Drawing Date:		16.12.2019	
A1 Scales	1:1000	A3 Scales	1:2000
Discipline: CIVIL			
Drawing No: SGA-DRG-STH-004-CI-2101			Revision: F



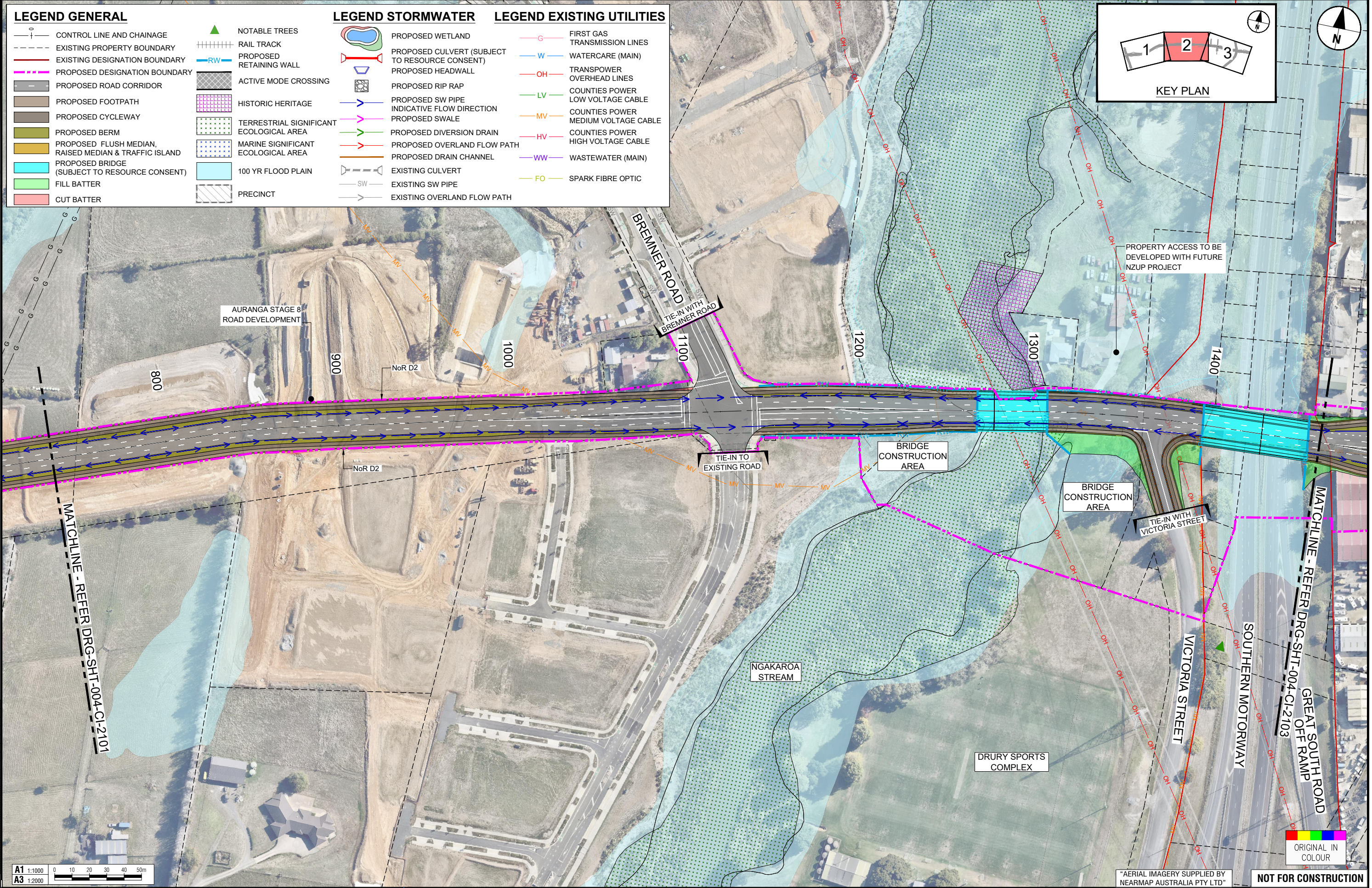
NOT FOR CONSTRUCTION

"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD"

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LEGEND GENERAL		LEGEND STORMWATER		LEGEND EXISTING UTILITIES	
	CONTROL LINE AND CHAINAGE		PROPOSED WETLAND		FIRST GAS TRANSMISSION LINES
	EXISTING PROPERTY BOUNDARY		PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)		WATERCARE (MAIN)
	EXISTING DESIGNATION BOUNDARY		PROPOSED HEADWALL		TRANSPOWER OVERHEAD LINES
	PROPOSED DESIGNATION BOUNDARY		PROPOSED RIP RAP		COUNTIES POWER LOW VOLTAGE CABLE
	PROPOSED ROAD CORRIDOR		PROPOSED SW PIPE		COUNTIES POWER MEDIUM VOLTAGE CABLE
	PROPOSED FOOTPATH		PROPOSED SWALE		COUNTIES POWER HIGH VOLTAGE CABLE
	PROPOSED CYCLEWAY		PROPOSED DIVERSION DRAIN		WASTEWATER (MAIN)
	PROPOSED BERM		PROPOSED OVERLAND FLOW PATH		SPARK FIBRE OPTIC
	PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND		PROPOSED DRAIN CHANNEL		
	PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)		EXISTING CULVERT		
	FILL BATTER		EXISTING SW PIPE		
	CUT BATTER		EXISTING OVERLAND FLOW PATH		
	NOTABLE TREES				
	RAIL TRACK				
	PROPOSED RETAINING WALL				
	ACTIVE MODE CROSSING				
	HISTORIC HERITAGE				
	TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA				
	MARINE SIGNIFICANT ECOLOGICAL AREA				
	100 YR FLOOD PLAIN				
	PRECINCT				

KEY PLAN



REV	DATE	DESCRIPTION	DESIGNED	CHECKED	DATE
A	14.02.2020	DRAFT ISSUE FOR REVIEW	JDT		
B	28.20.2020	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	JDT		
C	15.05.2020	ISSUED FOR ENGAGEMENT	JDT		
D	21.07.2020	ISSUED FOR APPROVAL	JDT		
E	24.07.2020	REISSUED FOR APPROVAL	JDT		
F	30.07.2020	UPDATED CADASTRAL BOUNDARIES	JDT		
G	18.12.2020	ISSUED FOR NoR LODGEMENT	GB		

REV	DATE	DESCRIPTION	DESIGNED	CHECKED	DATE
		APPROVED	R. MASON		21.07.2020
		DESIGN REVIEW	N. GUO		15.05.2020
		DESIGN	R. BELTRAN		14.11.2019
		DRAWING CHECK	J. DELA TORRE		15.05.2020
		DRAWN	J. DELA TORRE		14.11.2019
		SURVEYED	N/A		

Project: **SUPPORTING GROWTH PROGRAMME**
DRURY - BREMNER ROAD FTN UPGRADE (A SECTION OF NoR D2)

Drawing Title: **GENERAL ARRANGEMENT LAYOUT PLAN**
SHEET 2 OF 3

Drawing Status: **FOR LODGEMENT**

Drawing Date: 16.12.2019

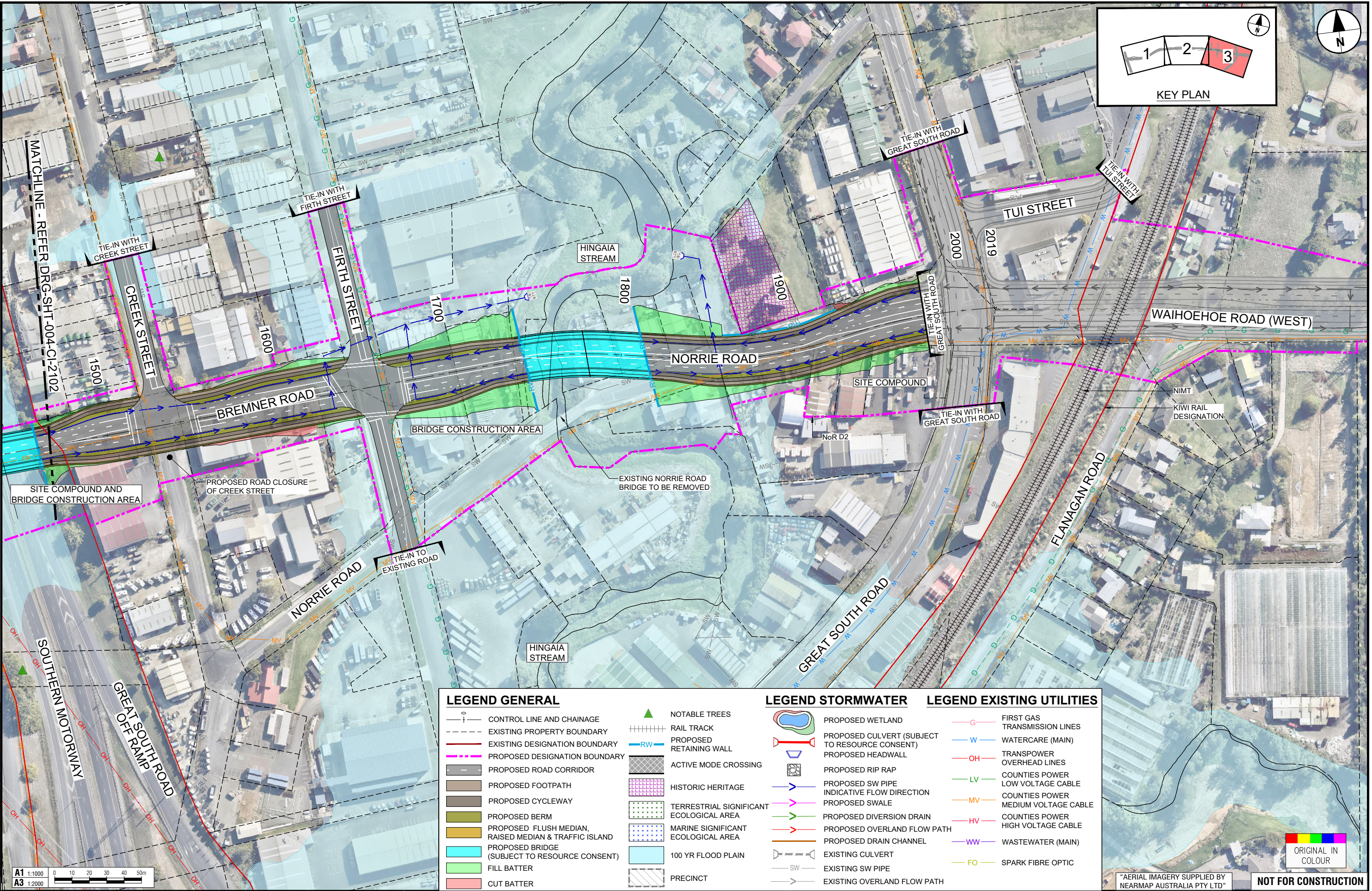
A1	1:1000	A3	1:2000
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Discipline: CIVIL

Drawing No: SGA-DRG-STH-004-CI-2102

Revision: **G**

ORIGINAL SIZE A1 1:1000 A3 1:2000



LEGEND GENERAL

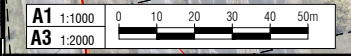
- CONTROL LINE AND CHAINAGE
- EXISTING PROPERTY BOUNDARY
- EXISTING DESIGNATION BOUNDARY
- PROPOSED DESIGNATION BOUNDARY
- PROPOSED ROAD CORRIDOR
- PROPOSED FOOTPATH
- PROPOSED CYCLEWAY
- PROPOSED BERM
- PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND
- PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)
- FILL BATTER
- CUT BATTER
- NOTABLE TREES
- RAIL TRACK
- PROPOSED RETAINING WALL
- ACTIVE MODE CROSSING
- HISTORIC HERITAGE
- TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA
- MARINE SIGNIFICANT ECOLOGICAL AREA
- 100 YR FLOOD PLAIN
- PRECINCT

LEGEND STORMWATER

- PROPOSED WETLAND
- PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- PROPOSED HEADWALL
- PROPOSED RIP RAP
- PROPOSED SW PIPE INDICATIVE FLOW DIRECTION
- PROPOSED SWALE
- PROPOSED DIVERSION DRAIN
- PROPOSED OVERLAND FLOW PATH
- PROPOSED DRAIN CHANNEL
- EXISTING CULVERT
- EXISTING SW PIPE
- EXISTING OVERLAND FLOW PATH

LEGEND EXISTING UTILITIES

- FIRST GAS TRANSMISSION LINES
- WATERCARE (MAIN)
- TRANSPower OVERHEAD LINES
- COUNTIES POWER LOW VOLTAGE CABLE
- COUNTIES POWER MEDIUM VOLTAGE CABLE
- COUNTIES POWER HIGH VOLTAGE CABLE
- WASTEWATER (MAIN)
- SPARK FIBRE OPTIC



REV	DATE	DESCRIPTION	BY	CHECKED	DATE
G	18.12.2020	ISSUED FOR NoR LODGEMENT	GB	J. DELA TORRE	14.11.2019
F	30.07.2020	UPDATED CADASTRAL BOUNDARIES	JDT	J. DELA TORRE	15.05.2020
E	24.07.2020	REISSUED FOR APPROVAL	JDT	R. BELTRAN	14.11.2019
D	21.07.2020	ISSUED FOR APPROVAL	JDT	N. GUO	15.05.2020
C	15.05.2020	ISSUED FOR ENGAGEMENT	JDT	J. DELA TORRE	14.11.2019
B	28.20.2020	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	JDT	R. MASON	21.07.2020
A	14.02.2020	DRAFT ISSUE FOR REVIEW	JDT		



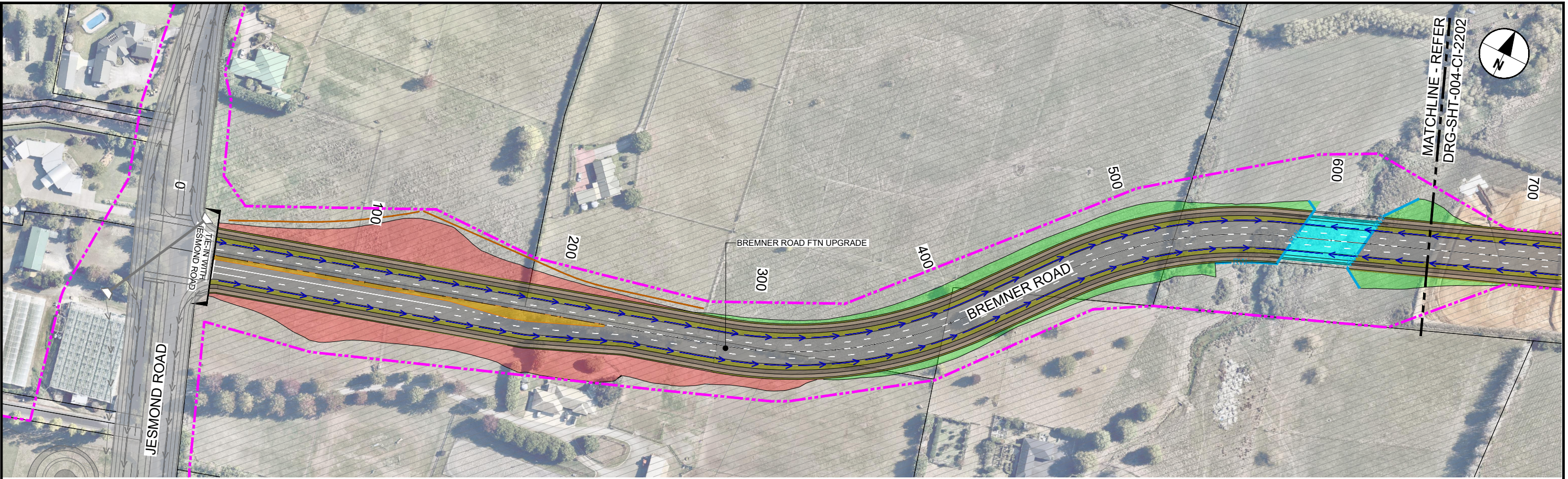
SUPPORTING GROWTH PROGRAMME
DRURY - BREMNER ROAD FTN UPGRADE (A SECTION OF NoR D2)
 Drawing Title:
GENERAL ARRANGEMENT LAYOUT PLAN
 SHEET 3 OF 3

Drawing Status:		FOR LODGEMENT	
Drawing Date:		16.12.2019	
A1 Scale:	1:1000	A3 Scale:	1:2000
Discipline:		CIVIL	
Drawing No.:		SGA-DRG-STH-004-CI-2103	
Revision:		G	

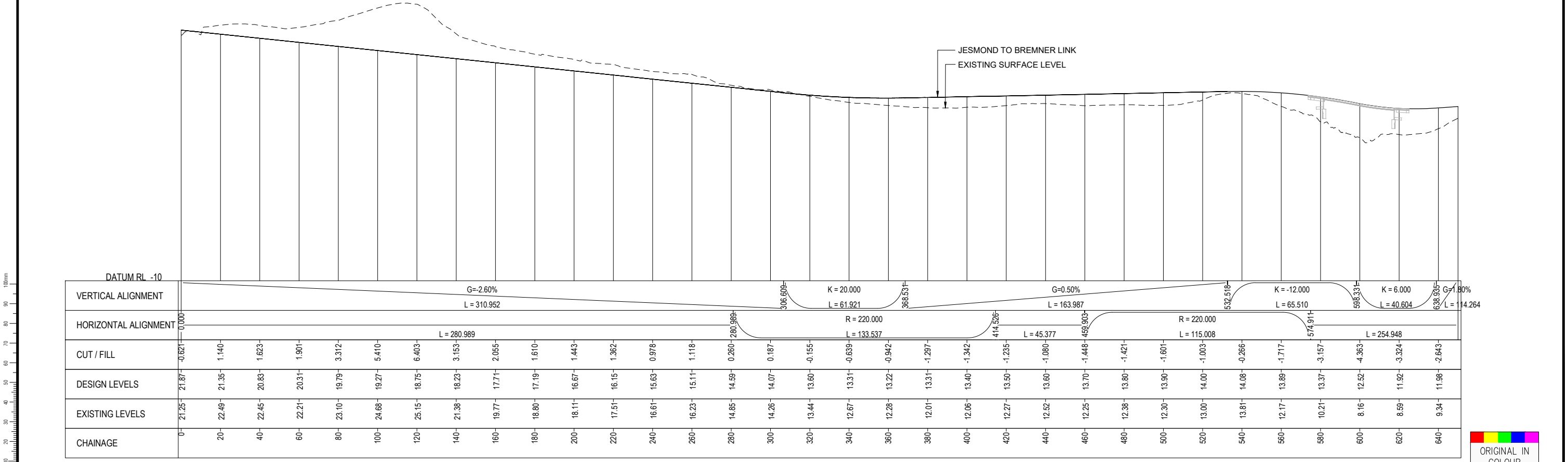
ORIGINAL IN COLOUR

"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD" **NOT FOR CONSTRUCTION**

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PLAN VIEW - BREMNER ROAD FTN UPGRADE
Scale 1:1000



LONGITUDINAL SECTION - BREMNER ROAD FTN UPGRADE
SCALE HORIZ=1:1000 VERT=1:250

ORIGINAL SIZE A1

REV	REVISIONS	DATE	APPROVED
A	DRAFT ISSUE FOR REVIEW	14.02.2020	RB
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.02.2020	RB
C	ISSUED FOR ENGAGEMENT	15.05.2020	DD
D	ISSUED FOR APPROVAL	21.07.2020	DD
E	REISSUED FOR APPROVAL	24.07.2020	DD
F	ISSUED FOR NoR LODGEMENT	12.18.2020	JDT

DRAWN	DESIGN	DESIGN REVIEW	APPROVED
RB	RB	RJB	RM
01.11.2019	13.02.2020	10.02.2020	14.02.2020



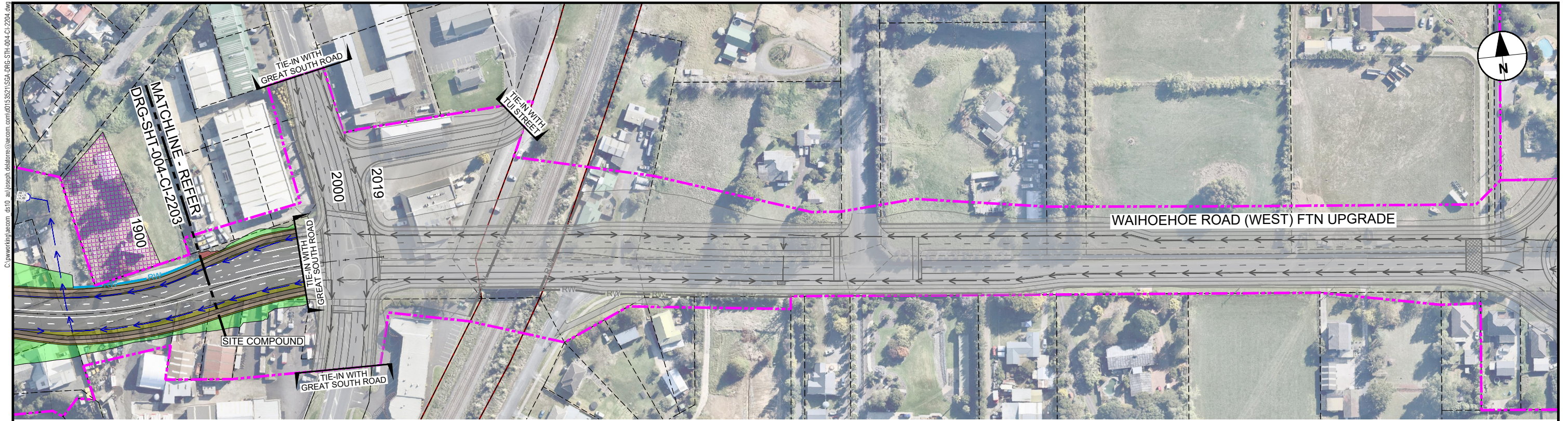
SUPPORTING GROWTH PROGRAMME
DRURY - BREMNER ROAD FTN UPGRADE (A SECTION OF NoR D2)

Project: **SUPPORTING GROWTH PROGRAMME**
Drawing Title: **PLAN AND LONGITUDINAL SECTION**
SHEET 1 OF 4

"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD"

NOT FOR CONSTRUCTION

FOR LODGEMENT	
Drawing Date:	14.02.2020
A1 Scale:	1:1000H 1:250V
A3 Scale:	1:2000H 1:500V
Discipline:	CIVIL
Drawing No:	SGA-DRG-STH-004-CI-2201
Revision:	F



PLAN VIEW - BREMNER ROAD FTN UPGRADE

Scale 1:1000

BREMNER ROAD FTN UPGRADE
EXISTING SURFACE LEVEL

DATUM RL -13

VERTICAL ALIGNMENT	K = -12.000 L = 63.675	1993.963 2007.229 2019.450	G=3.00% = 10.943
HORIZONTAL ALIGNMENT	R = 320.000 L = 76.147	2007.229 2019.450	L = 12.221
CUT / FILL	-1.306 -0.653	-0.471	
DESIGN LEVELS	13.12 14.12	14.80	
EXISTING LEVELS	11.82 13.47	14.33	
CHAINAGE	1980 1980	2000	

LONGITUDINAL SECTION - BREMNER ROAD FTN UPGRADE

SCALE HORIZ=1:1000 VERT=1:250

ORIGINAL SIZE A1



"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD"

NOT FOR CONSTRUCTION

REV	REVISIONS	DATE	APPROVED	DATE
F	ISSUED FOR NOB LODGEMENT	JDT 12.18.2020		
E	REISSUED FOR APPROVAL	DD 24.07.2020		
D	ISSUED FOR APPROVAL	DD 21.07.2020		
C	ISSUED FOR ENGAGEMENT	DD 15.05.2020		
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	RB 28.02.2020		
A	DRAFT ISSUE FOR REVIEW	RB 14.02.2020		
		RB 14.02.2020		

Project: **SUPPORTING GROWTH PROGRAMME**
DRURY - BREMNER ROAD FTN UPGRADE (A SECTION OF NoR D2)

Drawing Title:
PLAN AND LONGITUDINAL SECTION
 SHEET 4 OF 4

Drawing Status: **FOR LODGEMENT**

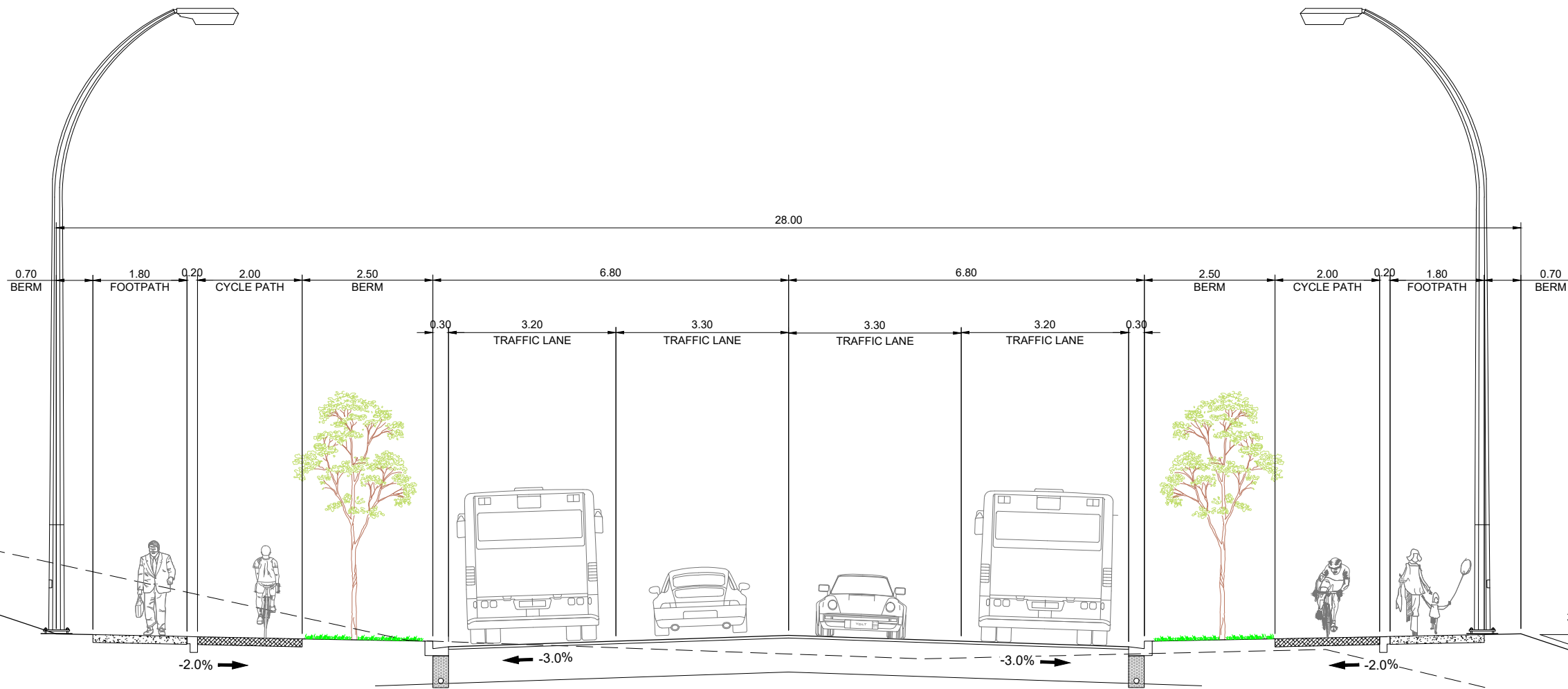
Drawing Date: 14.02.2020

A1 Scale: 1:1000H 1:250V	A3 Scale: 1:2000H 1:500V
-----------------------------	-----------------------------

Discipline: CIVIL

Drawing No: SGA-DRG-STH-004-CI-2204

Revision: **F**



A | TYPICAL CROSS SECTION
Scale 1:50

A1	1:50	0	2m
A3	1:100		



NOT FOR CONSTRUCTION

REV	REVISIONS	DATE	APPROVED	DATE
F	ISSUED FOR NoR LODGEMENT	18.12.2020	J. DELA TORRE	16.12.2019
E	REISSUED FOR APPROVAL	24.07.2020	J. DELA TORRE	15.05.2020
D	ISSUED FOR APPROVAL	21.07.2020	R. BELTRAN	16.12.2019
C	ISSUED FOR ENGAGEMENT	15.05.2020	N. GUO	15.05.2020
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.02.2020	R. MASON	21.07.2020
A	DRAFT ISSUE FOR REVIEW	14.02.2020		

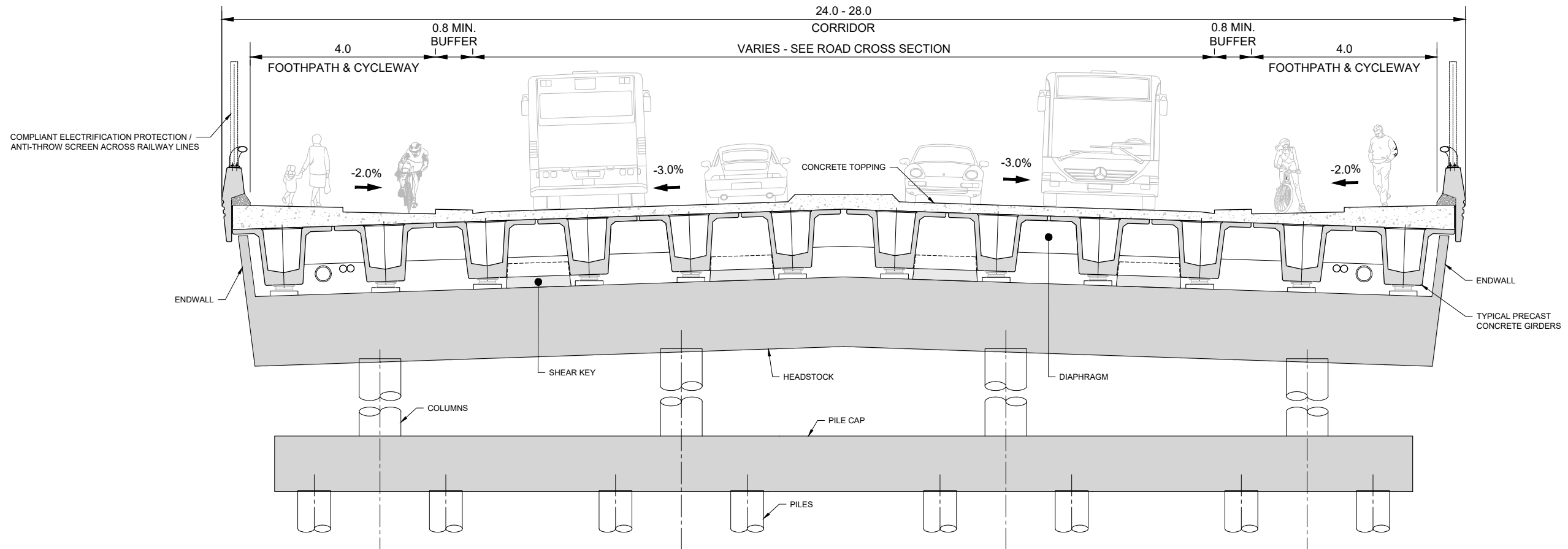


Project: **SUPPORTING GROWTH PROGRAMME**
DRURY - BREMNER ROAD FTN UPGRADE (A SECTION OF NoR D2)
Drawing Title: **TYPICAL CROSS SECTION**

Drawing Status: FOR LODGEMENT	
Drawing Date: 21.11.2019	Revision: F
A1 Scales: 1:50	A3 Scales: 1:100
Discipline: CIVIL	
Drawing No: SGA-DRG-STH-004-CI-2301	

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NOTES:
 1. BRIDGE DESIGN IS INDICATIVE ONLY.
 2. UNLESS NOTED OTHERWISE, UTILITIES SHOWN ARE INDICATIVE ONLY



TYPICAL CROSS SECTION - FOUR LANE BRIDGE
 Scale : NTS

ORIGINAL SIZE A1
 100mm
 90
 80
 70
 60
 50
 40
 30
 20
 10
 0

ORIGINAL IN COLOUR

REV	REVISIONS	DATE	APPROVED	DATE
E	ISSUED FOR NoR LODGEMENT	18.12.2020	A. GARCIA	14.01.2020
D	ISSUED FOR APPROVAL	21.07.2020	J. DELA TORRE	21.12.2020
C	ISSUED FOR ENGAGEMENT	15.05.2020	A. REVELL	18.12.2020
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.02.2020	K. CRAWFORD	18.12.2020
A	DRAFT ISSUE FOR REVIEW	14.02.2020	R. MASON	27.01.2021

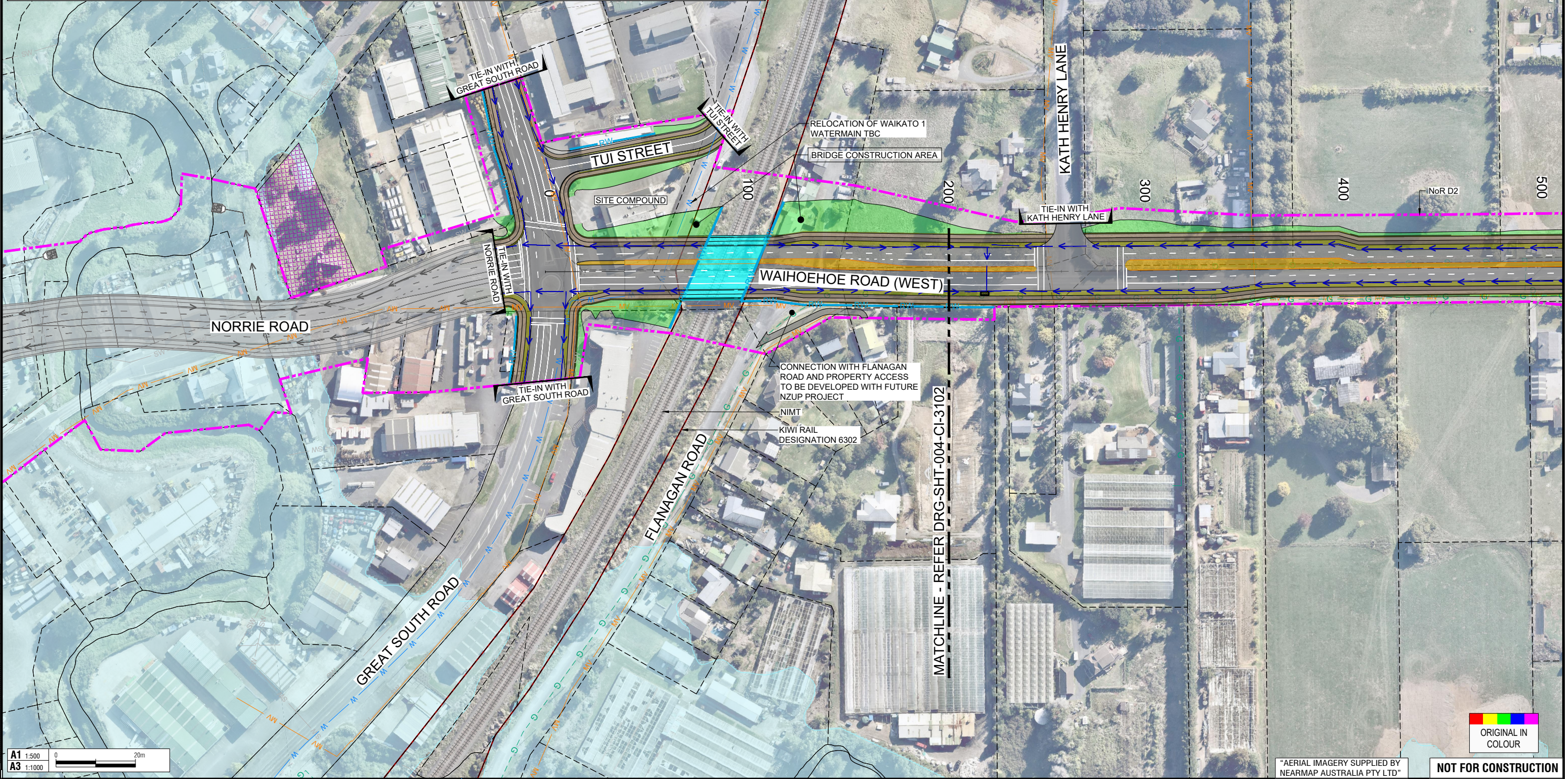
SUPPORTING GROWTH PROGRAMME
DRURY - BREMNER ROAD FTN UPGRADE (A SECTION OF NoR D2)
 Drawing Title:
FOUR LANE BRIDGE
TYPICAL CROSS SECTION

Drawing Status: FOR APPROVAL			
Drawing Date: 27.01.2021		Revision: E	
A1 Scale: NTS	A3 Scale: NTS	Discipline: STRUCTURE	
Drawing No: SGA-DRG-STH-004-ST-2720		Revision: E	

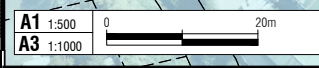
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LEGEND GENERAL		LEGEND STORMWATER		LEGEND EXISTING UTILITIES	
	CONTROL LINE AND CHAINAGE		PROPOSED WETLAND		FIRST GAS TRANSMISSION LINES
	EXISTING PROPERTY BOUNDARY		PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)		WATERCARE (MAIN)
	EXISTING DESIGNATION BOUNDARY		PROPOSED HEADWALL		TRANSPOWER OVERHEAD LINES
	PROPOSED ROAD CORRIDOR		PROPOSED RIP RAP		COUNTIES POWER LOW VOLTAGE CABLE
	PROPOSED FOOTPATH		PROPOSED SW PIPE		COUNTIES POWER MEDIUM VOLTAGE CABLE
	PROPOSED CYCLEWAY		INDICATIVE FLOW DIRECTION		COUNTIES POWER HIGH VOLTAGE CABLE
	PROPOSED BERM		PROPOSED SWALE		WASTEWATER (MAIN)
	PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND		PROPOSED DIVERSION DRAIN		SPARK FIBRE OPTIC
	PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)		PROPOSED OVERLAND FLOW PATH		
	FILL BATTER		PROPOSED DRAIN CHANNEL		
	CUT BATTER		EXISTING CULVERT		
			EXISTING SW PIPE		
			EXISTING OVERLAND FLOW PATH		
	RAIL TRACK				
	PROPOSED RETAINING WALL				
	ACTIVE MODE CROSSING				
	HISTORIC HERITAGE				
	TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA				
	MARINE SIGNIFICANT ECOLOGICAL AREA				
	100 YR FLOOD PLAIN				
	PRECINCT				

KEY PLAN



ORIGINAL SIZE A1 1:500 A3 1:1000



ORIGINAL IN COLOUR

*AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD

NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	DRAWN	CHECKED	DATE
G	28.01.2021	ISSUED FOR NoR LODGEMENT	JDT	G. BROWN	14.11.2019
F	30.07.2020	UPDATED CADASTRAL BOUNDARIES	JDT	J. DELA TORRE	21.12.2020
E	24.07.2020	REISSUED FOR APPROVAL	JDT	R. BELTRAN	14.11.2019
D	21.07.2020	ISSUED FOR APPROVAL	JDT	A. REVELL	18.12.2020
C	15.05.2020	ISSUED FOR ENGAGEMENT	JDT	R. MASON	27.01.2021
B	28.02.2020	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	JDT		
A	14.02.2020	DRAFT ISSUE FOR REVIEW	JDT		



Project: **SUPPORTING GROWTH PROGRAMME**
DRURY-WAIHOEHOE ROAD (WEST) FTN UPGRADE (A SECTION OF NoR D2)
 Drawing Title: **GENERAL ARRANGEMENT LAYOUT PLAN**
 SHEET 1 OF 2

Drawing Status:		FOR LODGEMENT	
Drawing Date:	27.01.2021		
A1 Scales:	1:1000	A3 Scales:	1:2000
Discipline:	CIVIL		
Drawing No:	SGA-DRG-SHT-004-CI-3101	Revision:	G

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LEGEND GENERAL

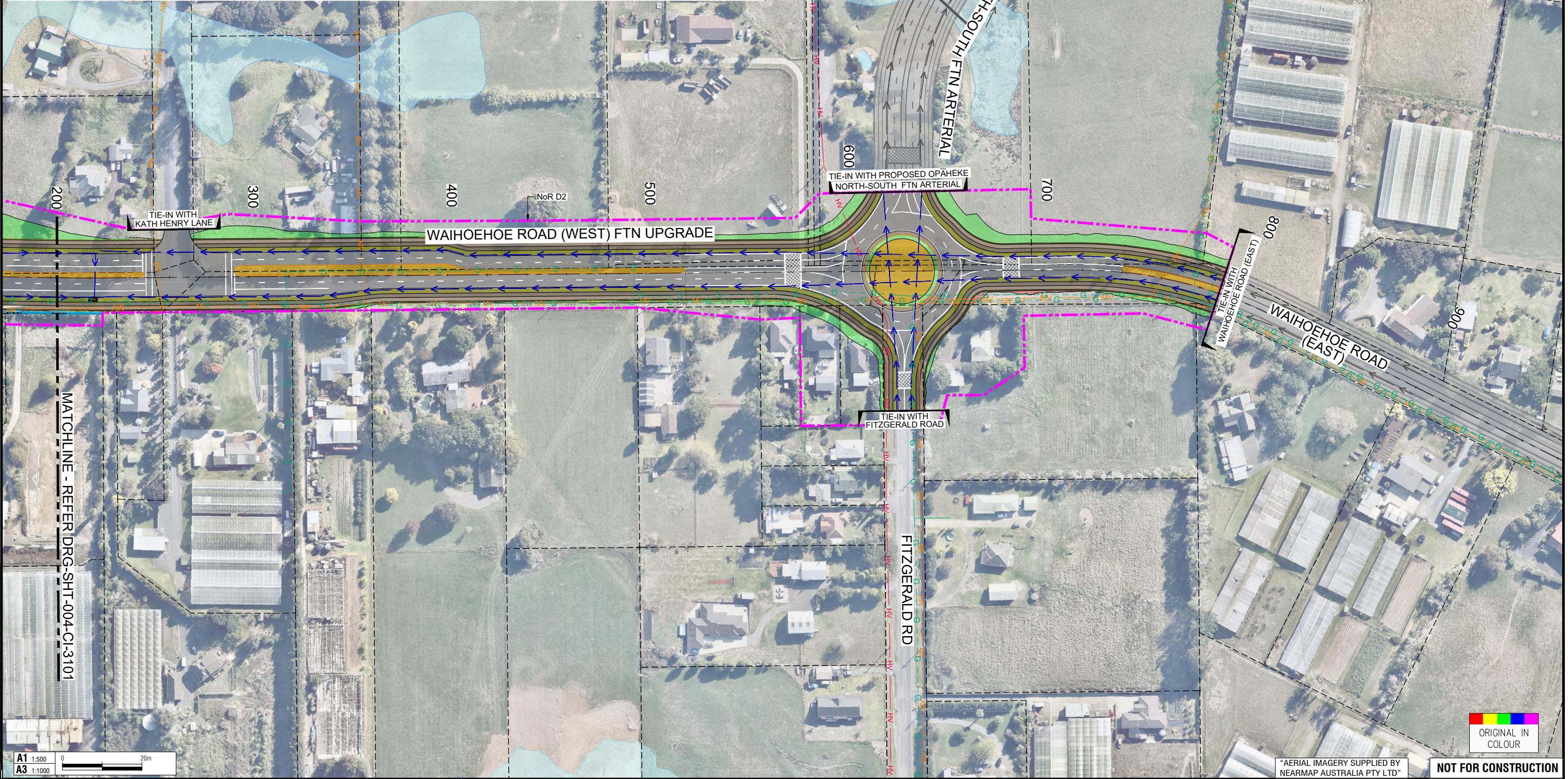
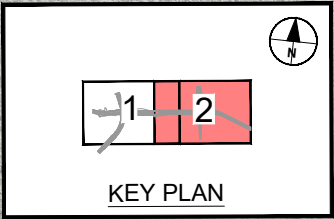
- +— CONTROL LINE AND CHAINAGE
- - - EXISTING PROPERTY BOUNDARY
- - - EXISTING DESIGNATION BOUNDARY
- - - PROPOSED DESIGNATION BOUNDARY
- ▬ PROPOSED ROAD CORRIDOR
- ▬ PROPOSED FOOTPATH
- ▬ PROPOSED CYCLEWAY
- ▬ PROPOSED BERM
- ▬ PROPOSED FLUSH MEDIAN, RAISED MEDIAN & TRAFFIC ISLAND
- ▬ PROPOSED BRIDGE (SUBJECT TO RESOURCE CONSENT)
- ▬ FILL BATTER
- ▬ CUT BATTER
- ▬ RAIL TRACK
- ▬ PROPOSED RETAINING WALL
- ▬ ACTIVE MODE CROSSING
- ▬ HISTORIC HERITAGE
- ▬ TERRESTRIAL SIGNIFICANT ECOLOGICAL AREA
- ▬ MARINE SIGNIFICANT ECOLOGICAL AREA
- ▬ 100 YR FLOOD PLAIN
- ▬ PRECINCT

LEGEND STORMWATER

- ▬ PROPOSED WETLAND
- ▬ PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- ▬ PROPOSED HEADWALL
- ▬ PROPOSED RIP RAP
- ▬ PROPOSED SW PIPE
- ▬ INDICATIVE FLOW DIRECTION
- ▬ PROPOSED DIVERSION DRAIN
- ▬ PROPOSED OVERLAND FLOW PATH
- ▬ PROPOSED DRAIN CHANNEL
- ▬ EXISTING CULVERT
- ▬ EXISTING SW PIPE
- ▬ EXISTING OVERLAND FLOW PATH

LEGEND EXISTING UTILITIES

- ▬ FIRST GAS TRANSMISSION LINES
- ▬ WATERCARE (MAIN)
- ▬ TRANSPOWER OVERHEAD LINES
- ▬ COUNTIES POWER LOW VOLTAGE CABLE
- ▬ COUNTIES POWER MEDIUM VOLTAGE CABLE
- ▬ COUNTIES POWER HIGH VOLTAGE CABLE
- ▬ WASTEWATER (MAIN)
- ▬ SPARK FIBRE OPTIC



A1	1:500	0	20m
A3	1:1000		

REV	DATE	APPROVED	DESIGN	DESIGN REVIEW	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	ISSUED FOR ENGAGEMENT	ISSUED FOR APPROVAL	REISSUED FOR APPROVAL	ISSUED FOR NoR LODGEMENT
	27.01.2021	R. MASON							
	14.02.2020								
	14.11.2019								
	21.12.2020								
	28.01.2021								



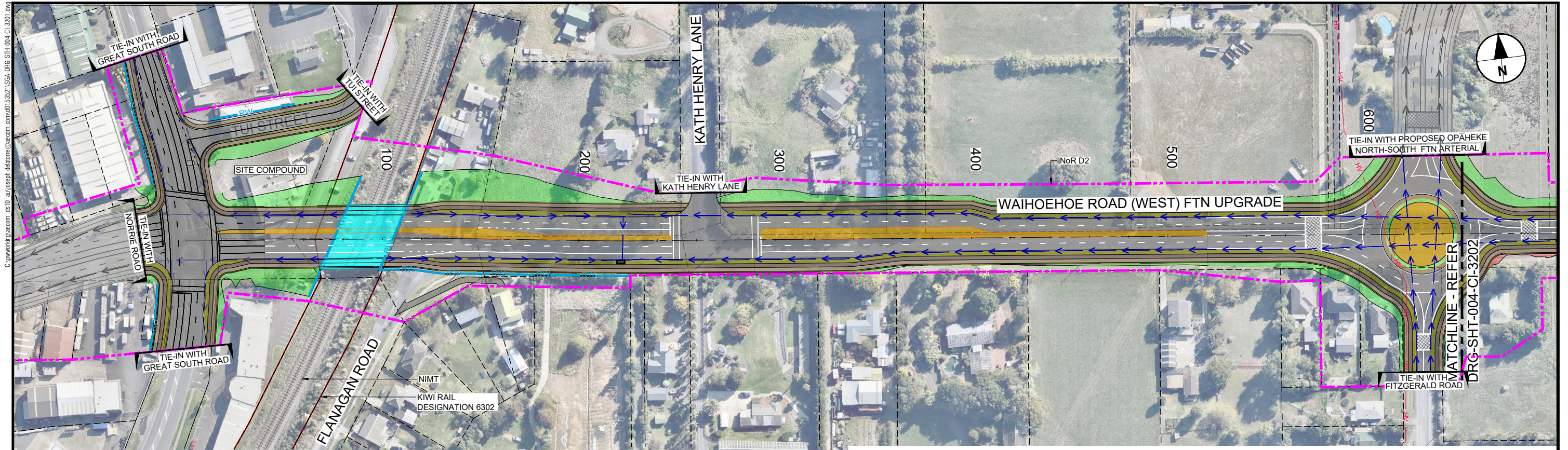
SUPPORTING GROWTH PROGRAMME
DRURY-WAIHOEHOE ROAD (WEST) FTN UPGRADE (A SECTION OF NoR D2)
 Drawing Title:
GENERAL ARRANGEMENT LAYOUT PLAN
 SHEET 2 OF 2

Drawing Status:		FOR LODGEMENT	
Drawing Date:		27.01.2021	
A1 Scale:	1:1000	A3 Scale:	1:2000
Discipline: CIVIL			
Drawing No: SGA-DRG-STH-004-CI-3102			Revision: F

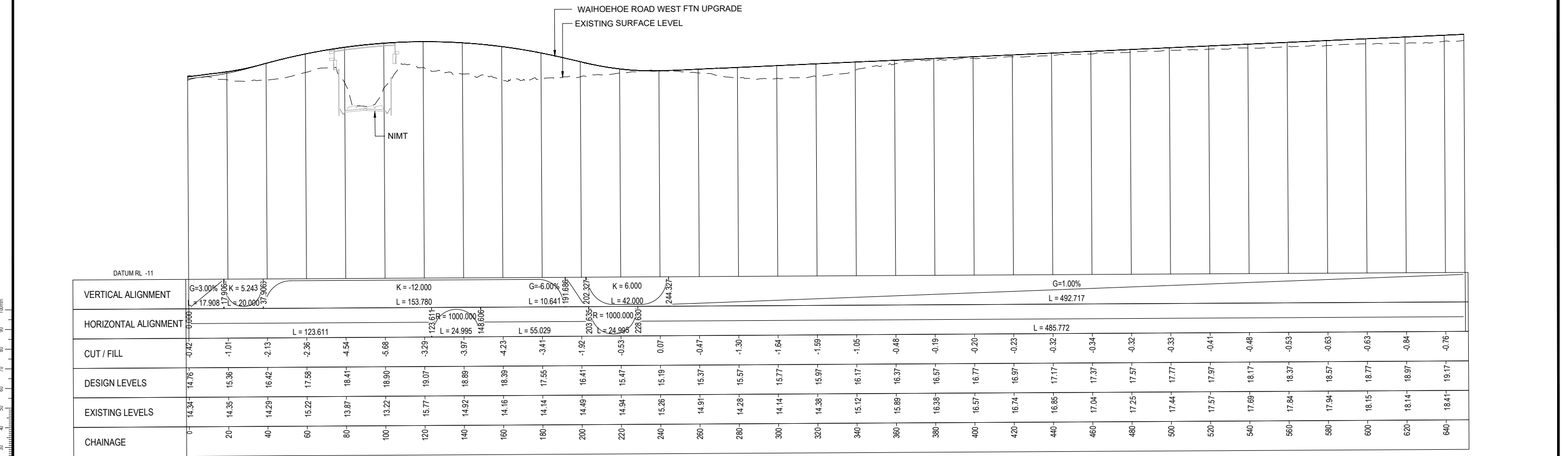
ORIGINAL IN COLOUR

NOT FOR CONSTRUCTION

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PLAN VIEW - WAIHOEHOE ROAD (WEST) FTN UPGRADE
Scale 1:1000



LONGITUDINAL SECTION - WAIHOEHOE ROAD (WEST) FTN UPGRADE
SCALE HORIZ=1:1000 VERT=1:250

ORIGINAL IN COLOUR

REV	DATE	DESCRIPTION	BY	CHKD	APP'D
A	14.02.2020	DRAFT ISSUE FOR REVIEW	RB		
B	28.02.2020	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	RB		
C	15.05.2020	ISSUED FOR ENGAGEMENT	DD		
D	21.07.2020	ISSUED FOR APPROVAL	DD		
E	24.07.2020	REISSUED FOR APPROVAL	DD		
F	18.12.2020	ISSUED FOR NoR LODGEMENT	JDT		

REV	DATE	DESCRIPTION	BY	CHKD	APP'D
		DRAWN	G. BROWN		14.11.2019
		DRAWING CHECK	J. DELA TORRE		21.12.2020
		DESIGN	R. BELTRAN		14.11.2019
		DESIGN REVIEW	A. REVELL		18.12.2020
		APPROVED	R. MASON		27.01.2021

TE TUPU NGĀTAHI Supporting Growth

WAKA KOTAHI NZ TRANSPORT AGENCY

SUPPORTING GROWTH PROGRAMME
DRURY-WAIHOEHOE ROAD (WEST) FTN UPGRADE (A SECTION OF NoR D2)

Project Title: PLAN AND LONGITUDINAL SECTION
SHEET 1 OF 2

AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD

NOT FOR CONSTRUCTION

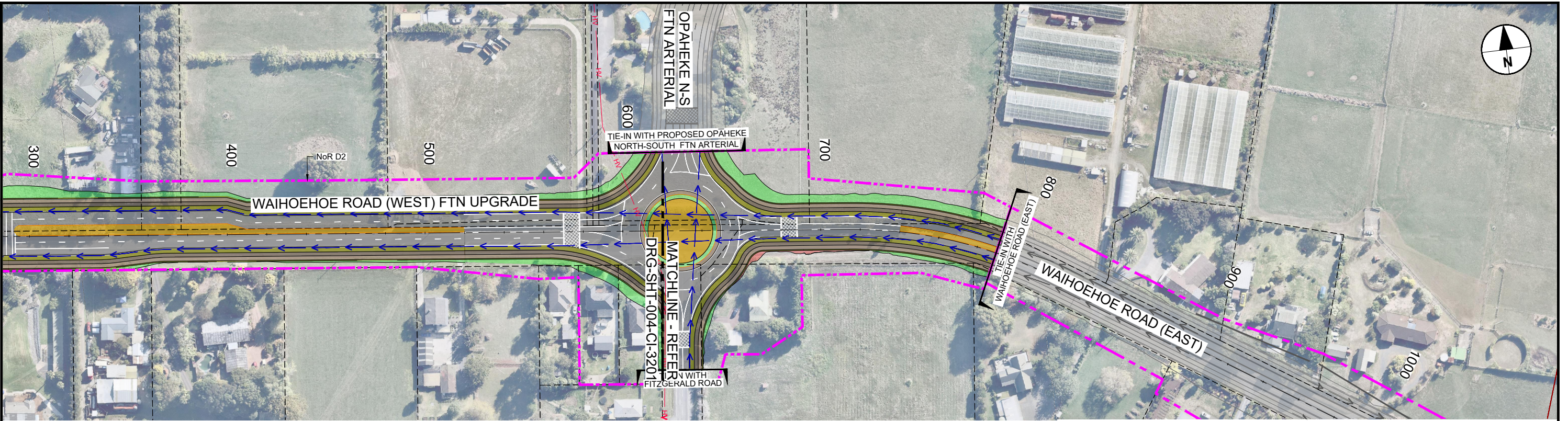
FOR LODGEMENT

Drawing Date: 27.01.2021

Drawing No: SGA-DRG-STH-004-CI-3201

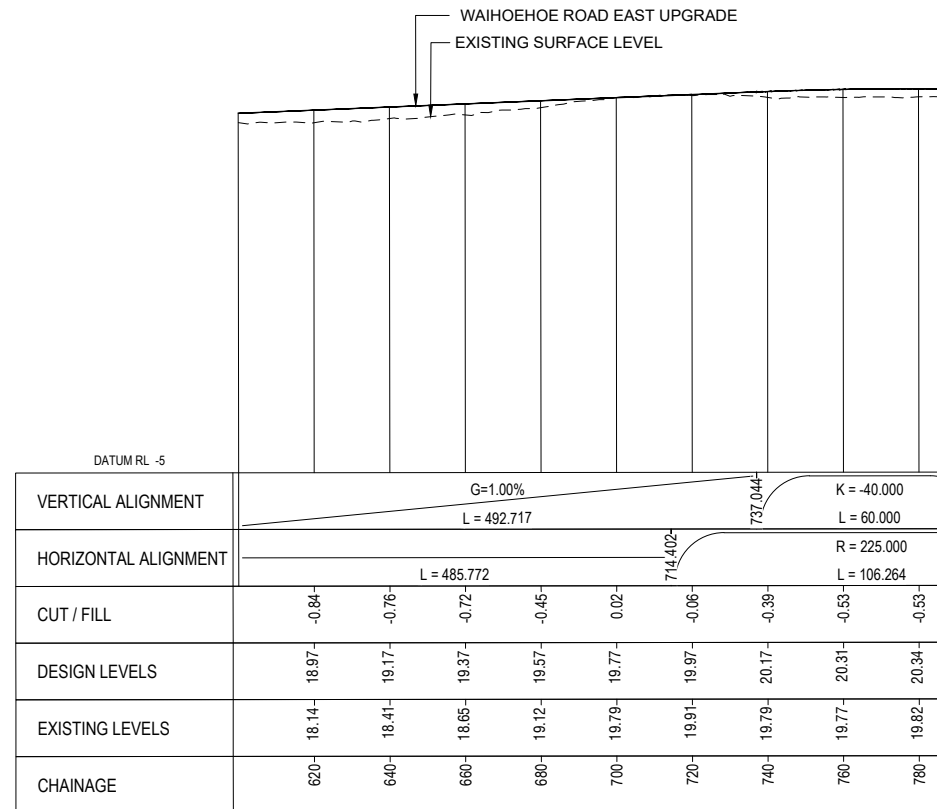
Revision: F

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PLAN VIEW - WAIHOEHOE ROAD (WEST) FTN UPGRADE

Scale 1:1000



LONGITUDINAL SECTION - WAIHOEHOE ROAD (WEST) FTN UPGRADE

SCALE HORIZ=1:1000 VERT=1:250

ORIGINAL SIZE A1

REV	REVISIONS	DRAWN	DATE
C	ISSUED FOR NoR LODGEMENT	JDT	28.01.2021
B	REISSUED FOR APPROVAL	DD	24.07.2020
A	ISSUED FOR APPROVAL	DD	21.07.2020

SURVEYED	N/A	DATE
DRAWN	G. BROWN	14.11.2019
DRAWING CHECK	J. DELA TORRE	21.12.2020
DESIGN	R. BELTRAN	14.11.2019
DESIGN REVIEW	A. REVELL	18.12.2020
APPROVED	R. MASON	27.01.2021



SUPPORTING GROWTH PROGRAMME
DRURY-WAIHOEHOE ROAD (WEST) FTN UPGRADE (A SECTION OF NoR D2)
 Project:
 Drawing Title:
PLAN AND LONGITUDINAL SECTION
SHEET 2 OF 2

AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD

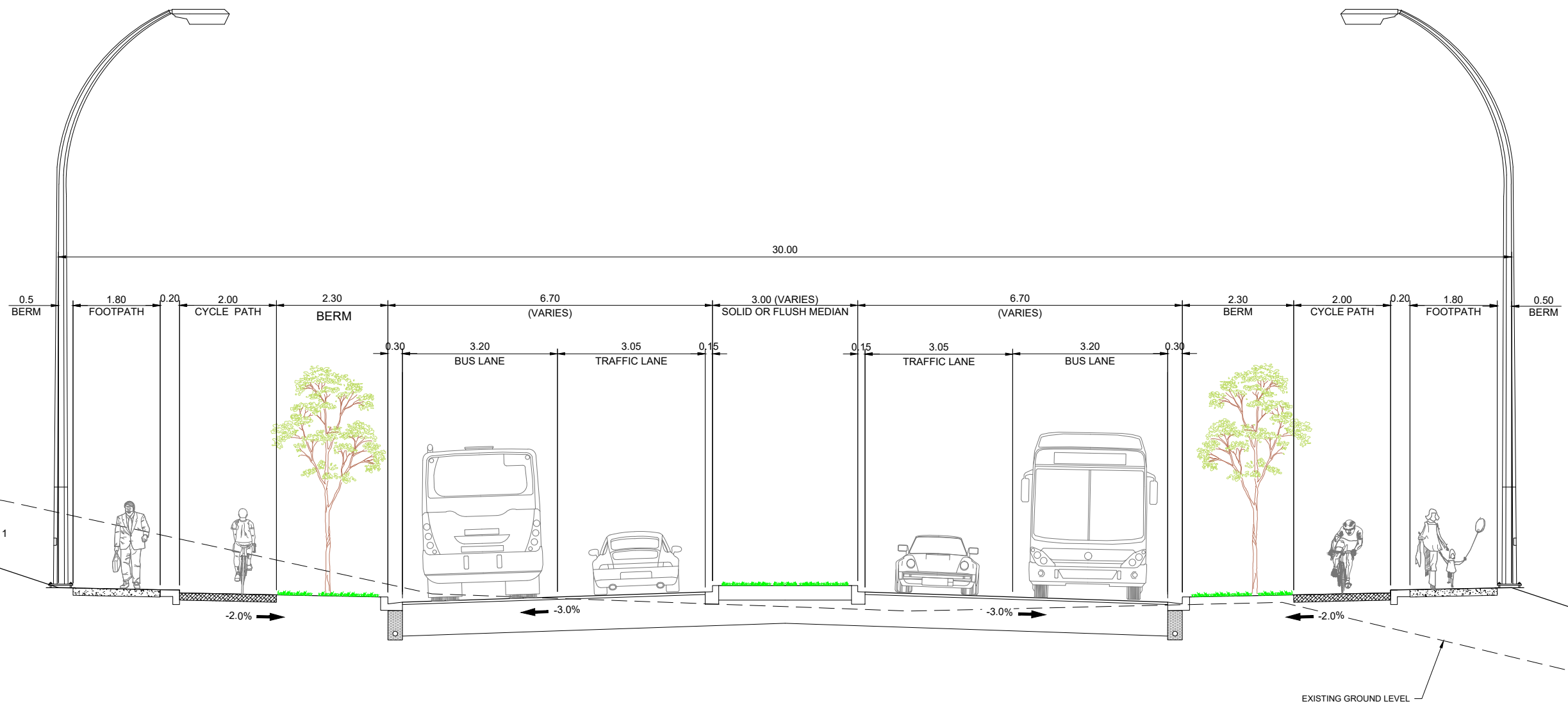
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FOR LODGEMENT

Drawing Date:	27.01.2021
A1 Scales	1:1000H 1:250V
A3 Scales	1:2000H 1:500V
Discipline:	CIVIL
Drawing No:	SGA-DRG-STH-004-CI-3202
Revision:	C



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A | TYPICAL CROSS SECTION
Scale 1:50

ORIGINAL SIZE A1
100mm
90
80
70
60
50
40
30
20
10
0

A1 1:50
A3 1:100



NOT FOR CONSTRUCTION

REV	REVISIONS	DATE	APPROVED	DATE
F	ISSUED FOR NoR LODGEMENT	28.01.2021	JDT	28.01.2021
E	REISSUED FOR APPROVAL	24.07.2020	JDT	24.07.2020
D	ISSUED FOR APPROVAL	21.07.2020	JDT	21.07.2020
C	ISSUED FOR ENGAGEMENT	15.05.2020	JDT	15.05.2020
B	ISSUED FOR ASSESSMENT OF EFFECTS ON ENVIRONMENT	28.02.2020	JDT	28.02.2020
A	DRAFT ISSUE FOR REVIEW	14.02.2020	JDT	14.02.2020

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Project: **SUPPORTING GROWTH PROGRAMME**
DRURY-WAIHOEHOE ROAD (WEST) FTN UPGRADE (A SECTION OF NoR D2)

Drawing Title: **TYPICAL CROSS SECTION**

Drawing Status: FOR LODGEMENT	
Drawing Date: 27.01.2021	Revision: F
A1 Scales: 1:50	A3 Scales: 1:100
Discipline: CIVIL	
Drawing No: SGA-DRG-STH-004-CI-3301	Revision: F

