

**TRIG ROAD LOCATION PLAN**  
NTS

DRAWING LIST - NORTHWEST - TRIG ROAD SOUTH		
DRAWING No.	DRAWING TITLE	REVISION
SGA-DRG-NWE-002-GE-1001	LOCATION PLAN, GENERAL NOTES AND DRAWING LIST	E
SGA-DRG-NWE-002-GE-1100	GENERAL ARRANGEMENT PLAN	E
SGA-DRG-NWE-002-CI-1101	GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 1 OF 5	B
SGA-DRG-NWE-002-CI-1102	GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 2 OF 5	B
SGA-DRG-NWE-002-CI-1103	GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 3 OF 5	B
SGA-DRG-NWE-002-CI-1104	GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 4 OF 5	B
SGA-DRG-NWE-002-CI-1105	GENERAL ARRANGEMENT LAYOUT PLAN - SHEET 5 OF 5	B
SGA-DRG-NWE-002-DR-1401	STORMWATER LAYOUT PLAN - SHEET 1 OF 5	B
SGA-DRG-NWE-002-DR-1402	STORMWATER LAYOUT PLAN - SHEET 2 OF 5	B
SGA-DRG-NWE-002-DR-1403	STORMWATER LAYOUT PLAN - SHEET 3 OF 5	B
SGA-DRG-NWE-002-DR-1404	STORMWATER LAYOUT PLAN - SHEET 4 OF 5	B
SGA-DRG-NWE-002-DR-1405	STORMWATER LAYOUT PLAN - SHEET 5 OF 5	B
SGA-DRG-NWE-002-DR-1410	DRY POND AND RAINGARDEN TYPICAL CROSS SECTIONS	B
SGA-DRG-NWE-002-EN-1500	EROSION & SEDIMENT CONTROL LEGEND AND GENERAL NOTES	B
SGA-DRG-NWE-002-EN-1501	EROSION & SEDIMENT CONTROL PLAN - SHEET 1 OF 5	B
SGA-DRG-NWE-002-EN-1502	EROSION & SEDIMENT CONTROL PLAN - SHEET 2 OF 5	B
SGA-DRG-NWE-002-EN-1503	EROSION & SEDIMENT CONTROL PLAN - SHEET 3 OF 5	B
SGA-DRG-NWE-002-EN-1504	EROSION & SEDIMENT CONTROL PLAN - SHEET 4 OF 5	B
SGA-DRG-NWE-002-EN-1505	EROSION & SEDIMENT CONTROL PLAN - SHEET 5 OF 5	B
SGA-DRG-NWE-002-EN-1510	EROSION & SEDIMENT CONTROL SEDIMENT RETENTION DEVICES	B

**GENERAL NOTES**

**GENERAL**

- 1.1. THE GENERAL ARRANGEMENT LAYOUT PLANS (GA'S) PROVIDE A PRELIMINARY / CONCEPT LEVEL OF DESIGN REQUIRED TO IDENTIFY THE DESIGNATION FOOTPRINT FOR CONSTRUCTION AND OPERATION OF THE PERMANENT WORKS.
- 1.2. THE GENERAL ARRANGEMENT PLAN INDICATE HOW IT IS INTENDED THAT THE CORRIDOR TIES INTO THE WIDER EXISTING TRANSPORT NETWORK.

**STORMWATER**

- 2.1. THE STORMWATER DESIGN IS INDICATIVE.
- 2.2. THE DESIGN IS BASED ON THE UPGRADED ROAD HAVING KERB AND CHANNEL WITH CATCHPITS PROVIDED ON BOTH SIDES OF THE ROAD.
- 2.3. THE PIPE SIZES ARE SUBJECT TO FURTHER DESIGN DEVELOPMENT AND MANHOLES WILL BE PROVIDED ON EACH PIPELINE.
- 2.4. RAINGARDEN SERVICING HOBSONVILLE ROAD HAS BEEN DESIGNED FOR STORMWATER TREATMENT, RETENTION / DETENTION AND ATTENUATION. CONFIRMATION OF THE LEVEL OF SERVICES IS REQUIRED.
- 2.5. RAINGARDENS SERVICING TRIG ROAD HAVE BEEN DESIGNED AS A TREATMENT WITHOUT RETENTION / DETENTION AND ATTENUATION.
- 2.6. DRY POND AND RAINGARDEN ON HOBSONVILLE ROAD HAS BEEN DESIGNED TO:
  - PROVIDE RETENTION/ DETENTION AND ATTENUATE FLOW FOR THE 10% AEP AND 1% AEP. CONFIRMATION OF THE LEVEL OF SERVICES IS REQUIRED.
  - PROVIDE TREATMENT IN ACCORDANCE WITH AUCKLAND COUNCIL GUIDELINE GD01.
- 2.7. CATCHMENT 2 DISCHARGES TO WAIAROHIA STREAM DURING LOW FLOW EVENTS TO MAINTAIN BASEFLOW AND HIGHER FLOWS DRAIN TO DRY POND FOR ATTENUATION.

**WETLANDS**

- 2.8. RAIN GARDENS AND DRY POND
  - POTENTIAL SEEPAGE FROM RAIN GARDEN AND DRY POND TO BE CONTAINED AND DISCHARGED AWAY FROM FILL AREAS IF REQUIRED TO MANAGE GEOTECHNICAL EFFECTS .



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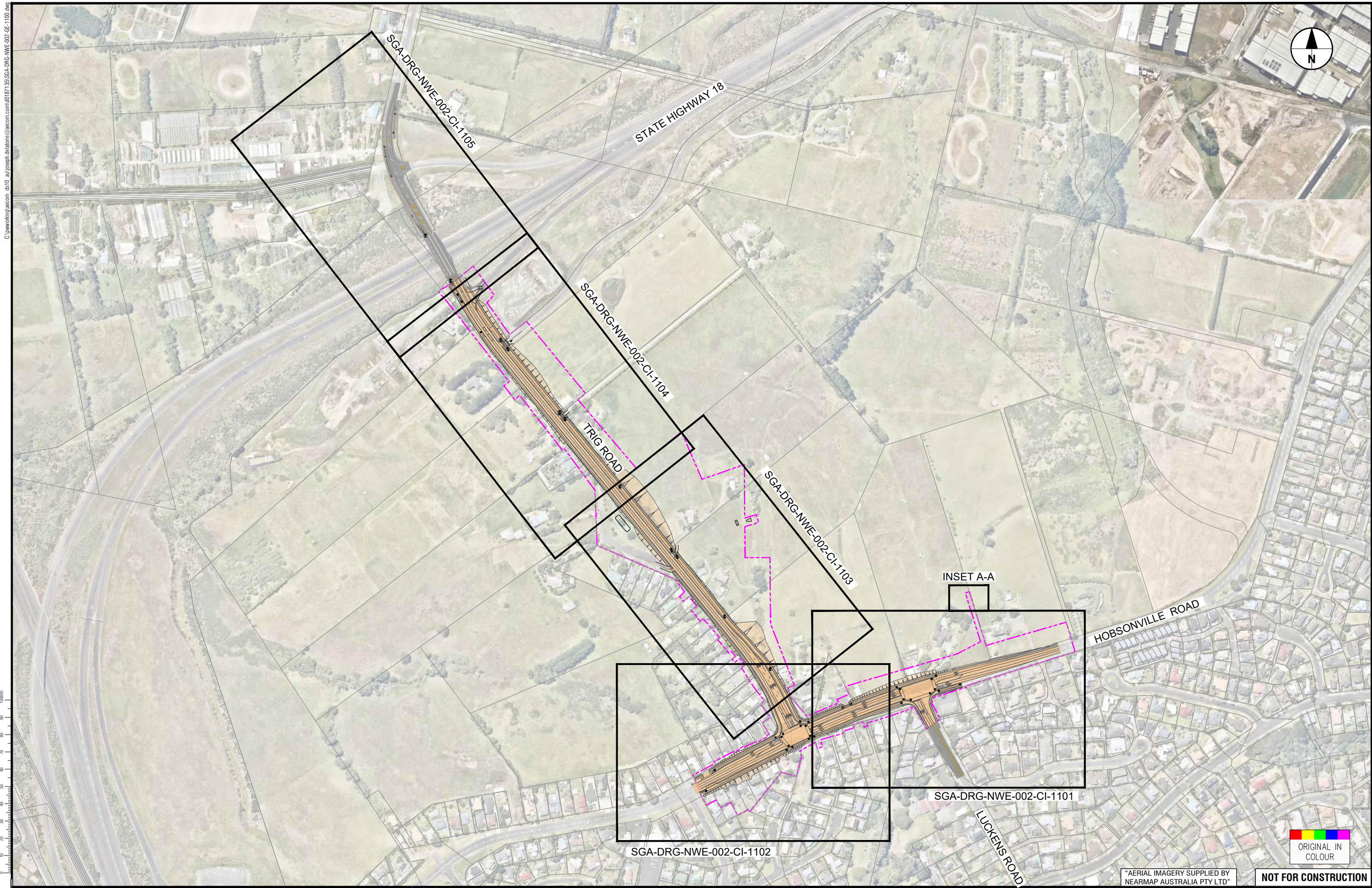
REV	DATE	DESCRIPTION	BY	CHECKED	DATE
E	07.12.2022	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	V. DELA TORRE		01.05.20
D	28.08.20	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT	J. DELA TORRE		01.05.20
C	25.07.19	FOR DRAFT DETAILED BUSINESS CASE	P. HADWIN		01.05.20
B	17.04.19	FOR AT INTERNAL REVIEW	R. BROWN		01.05.20
A	05.04.19	FOR SAFETY AUDIT	B. BUSNARDO		07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 TRIG ROAD AND HOBSONVILLE ROAD  
 LOCATION PLAN, GENERAL NOTES AND DRAWING LIST

Drawing Status:		<b>FOR LODGEMENT</b>	
Drawing Date:	07.12.2022		
Scale:	NTS	Scale:	NTS
Discipline:	CIVIL		
Drawing No.:	SGA-DRG-NWE-002-GE-1001	Revision:	<b>E</b>

C:\working\ascom ds10\_a\joseph.delatorre@ascom.com\0187135\_SGA\_DRG-NWE-002-GE-1100.dwg



ORIGINAL SIZE A1

REV	DATE	DESCRIPTION	BY	CHKD
A	05.04.19	FOR SAFETY AUDIT		
B	17.04.19	FOR AT INTERNAL REVIEW		
C	25.07.19	FOR DRAFT DETAILED BUSINESS CASE		
D	AUG. 2020	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT		
E	DEC. 2022	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT		

DATE	DESCRIPTION	BY	CHKD
07.12.2022	APPROVED	B. BUSNARDO	
01.05.20	DESIGN REVIEW	R. BROWN	
01.05.20	DESIGN	P. HADWIN	
01.05.20	DRAWING CHECK	J. DELA TORRE	
01.05.20	DRAWN	V. DELA TORRE	

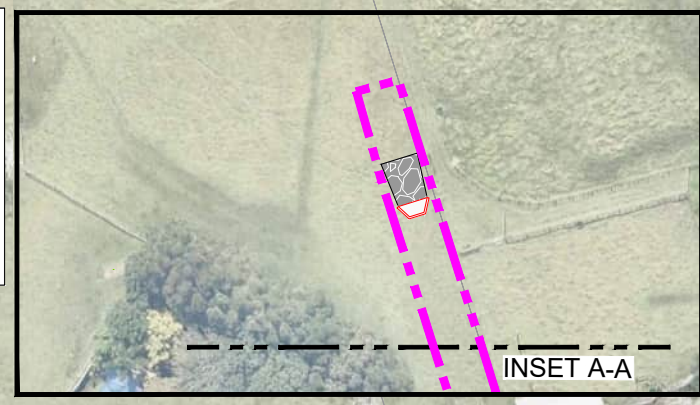
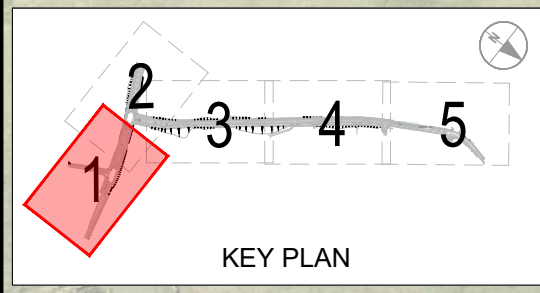
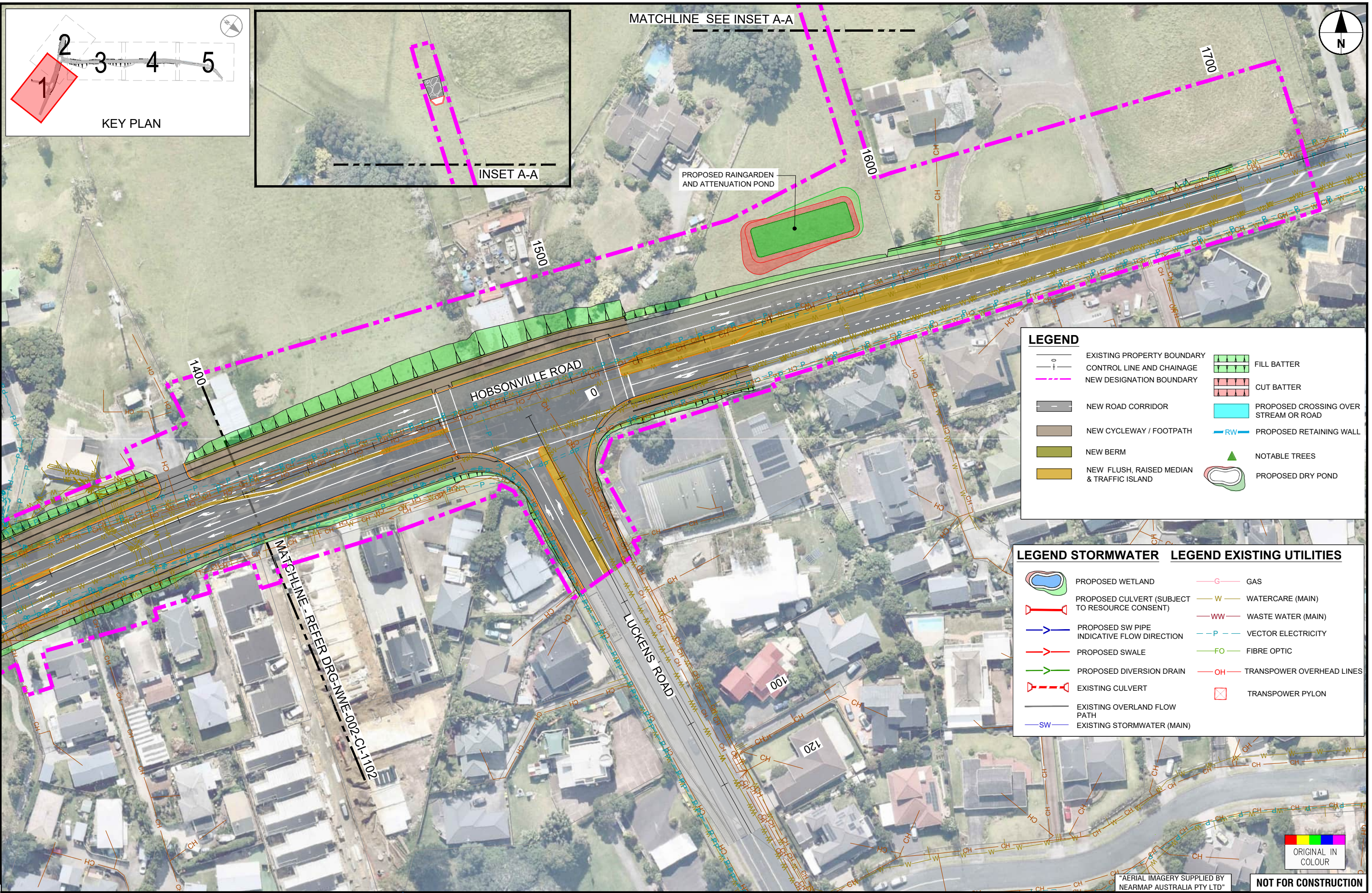


Project: **SUPPORTING GROWTH PROGRAMME  
NORTH WEST - HIF TRIG ROAD (SOUTH)**  
Drawing Title: **GENERAL ARRANGEMENT PLAN**

\*AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD\*

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Drawing Status: <b>FOR LODGEMENT</b>	
Drawing Date: 07.12.2022	Revision: <b>E</b>
A1 Scale: 1:2500	A3 Scale: 1:5000
Discipline: CIVIL	
Drawing No: SGA-DRG-NWE-002-GE-1100	



**LEGEND**

	EXISTING PROPERTY BOUNDARY		FILL BATTER
	CONTROL LINE AND CHAINAGE		CUT BATTER
	NEW DESIGNATION BOUNDARY		PROPOSED CROSSING OVER STREAM OR ROAD
	NEW ROAD CORRIDOR		PROPOSED RETAINING WALL
	NEW CYCLEWAY / FOOTPATH		NOTABLE TREES
	NEW BERM		PROPOSED DRY POND
	NEW FLUSH, RAISED MEDIAN & TRAFFIC ISLAND		

LEGEND STORMWATER		LEGEND EXISTING UTILITIES	
	PROPOSED WETLAND		GAS
	PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)		WATERCARE (MAIN)
	PROPOSED SW PIPE INDICATIVE FLOW DIRECTION		WASTE WATER (MAIN)
	PROPOSED SWALE		VECTOR ELECTRICITY
	PROPOSED DIVERSION DRAIN		FIBRE OPTIC
	EXISTING CULVERT		TRANSPOWER OVERHEAD LINES
	EXISTING OVERLAND FLOW PATH		TRANSPOWER PYLON
	EXISTING STORMWATER (MAIN)		

REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC. 2022	DESIGN REVIEW	R. BROWN	01.05.20
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG. 2022	APPROVED	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title: **GENERAL ARRANGEMENT LAYOUT PLAN**  
 SHEET 1 OF 5

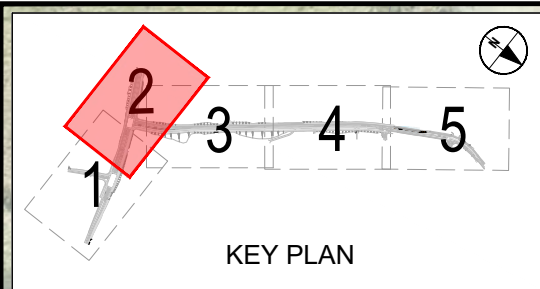
**FOR LODGEMENT**

Drawing Date:	07.12.2022
A1 Scale:	1:500
A3 Scale:	1:1000
Discipline:	CIVIL
Drawing No:	SGA-DRG-NWE-002-CI-1101
Revision:	<b>B</b>

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**LEGEND STORMWATER**

- PROPOSED WETLAND
- PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- PROPOSED SW PIPE INDICATIVE FLOW DIRECTION
- PROPOSED SWALE
- PROPOSED DIVERSION DRAIN
- EXISTING CULVERT
- EXISTING OVERLAND FLOW PATH
- EXISTING STORMWATER (MAIN)

**LEGEND EXISTING UTILITIES**

- GAS
- WATERCARE (MAIN)
- WASTE WATER (MAIN)
- VECTOR ELECTRICITY
- FIBRE OPTIC
- TRANSPOWER OVERHEAD LINES
- TRANSPOWER PYLON



**LEGEND**

- EXISTING PROPERTY BOUNDARY
- CONTROL LINE AND CHAINAGE
- NEW DESIGNATION BOUNDARY
- NEW ROAD CORRIDOR
- NEW CYCLEWAY / FOOTPATH
- NEW BERM
- NEW FLUSH, RAISED MEDIAN & TRAFFIC ISLAND
- FILL BATTER
- CUT BATTER
- PROPOSED CROSSING OVER STREAM OR ROAD
- PROPOSED RETAINING WALL
- NOTABLE TREES
- PROPOSED DRY POND

REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC. 2022	DESIGN REVIEW	R. BROWN	01.05.20
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG. 2022	APPROVED	B. BUSNARDO	07.12.2022

SURVEYED	N/A	
DRAWN	V. DELA TORRE	01.05.20
DRAWING CHECK	J. DELA TORRE	01.05.20
DESIGN	P. HADWIN	01.05.20
DESIGN REVIEW	R. BROWN	01.05.20
APPROVED	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title:  
**GENERAL ARRANGEMENT LAYOUT PLAN**  
**SHEET 2 OF 5**

"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD"

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Drawing Status: **FOR LODGEMENT**

Drawing Date: 07.12.2022

A1 Scales	1:500	A3 Scales	1:1000
Discipline	CIVIL		

Drawing No. SGA-DRG-NWE-002-CI-1102

**LEGEND**

- EXISTING PROPERTY BOUNDARY
- CONTROL LINE AND CHAINAGE
- NEW DESIGNATION BOUNDARY
- NEW ROAD CORRIDOR
- NEW CYCLEWAY / FOOTPATH
- NEW BERM
- NEW FLUSH, RAISED MEDIAN & TRAFFIC ISLAND
- FILL BATTER
- CUT BATTER
- PROPOSED CROSSING OVER STREAM OR ROAD
- PROPOSED RETAINING WALL
- NOTABLE TREES
- PROPOSED DRY POND

**LEGEND STORMWATER**

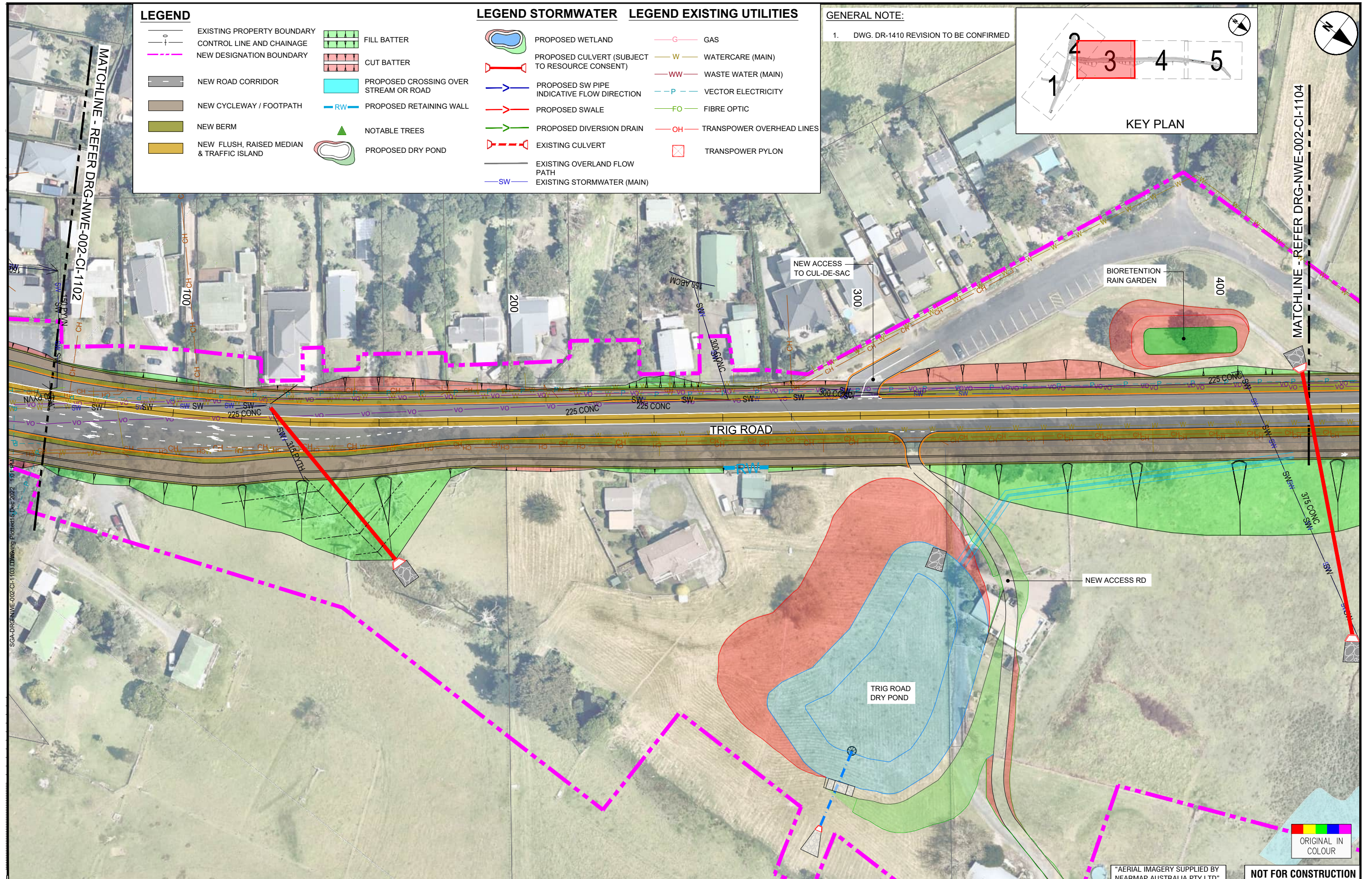
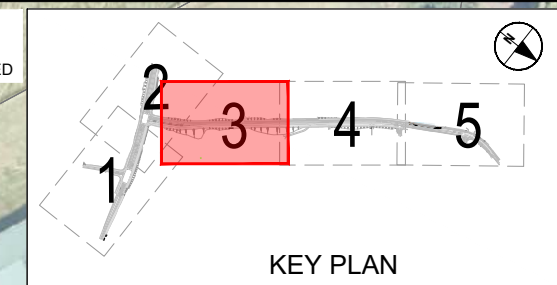
- PROPOSED WETLAND
- PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- PROPOSED SW PIPE INDICATIVE FLOW DIRECTION
- PROPOSED SWALE
- PROPOSED DIVERSION DRAIN
- EXISTING CULVERT
- EXISTING OVERLAND FLOW PATH
- EXISTING STORMWATER (MAIN)

**LEGEND EXISTING UTILITIES**

- GAS
- WATERCARE (MAIN)
- WASTE WATER (MAIN)
- VECTOR ELECTRICITY
- FIBRE OPTIC
- TRANSPOWER OVERHEAD LINES
- TRANSPOWER PYLON

**GENERAL NOTE:**

1. DWG. DR-1410 REVISION TO BE CONFIRMED



REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC. 2022	SURVEYED	N/A	
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG. 2022	DRAWN	V. DELA TORRE	01.05.20
				DRAWING CHECK	J. DELA TORRE	01.05.20
				DESIGN	P. HADWIN	01.05.20
				DESIGN REVIEW	R. BROWN	01.05.20
				APPROVED	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title:  
**GENERAL ARRANGEMENT LAYOUT PLAN**  
 SHEET 3 OF 5

Drawing Status:		<b>FOR LODGEMENT</b>	
Drawing Date:		07.12.2022	
A1	1:500	A3	1:1000
Discipline: CIVIL			
Drawing No: SGA-DRG-NWE-002-CI-1103			Revision: <b>B</b>



NOT FOR CONSTRUCTION

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**LEGEND**

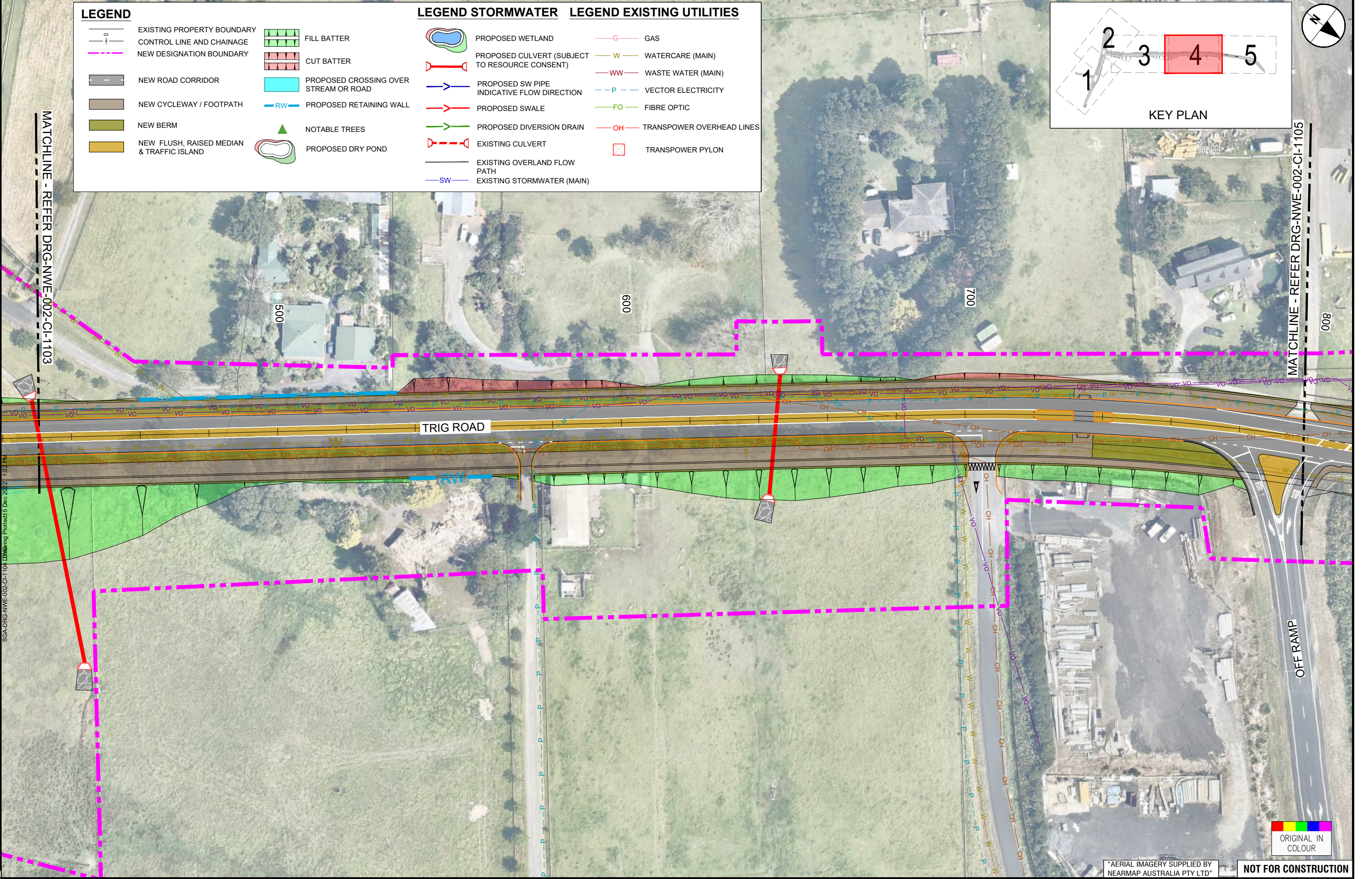
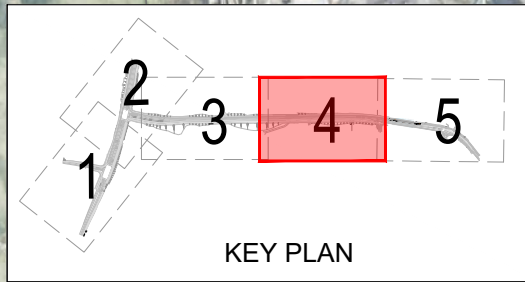
- EXISTING PROPERTY BOUNDARY
- CONTROL LINE AND CHAINAGE
- NEW DESIGNATION BOUNDARY
- NEW ROAD CORRIDOR
- NEW CYCLEWAY / FOOTPATH
- NEW BERM
- NEW FLUSH, RAISED MEDIAN & TRAFFIC ISLAND
- FILL BATTER
- CUT BATTER
- PROPOSED CROSSING OVER STREAM OR ROAD
- PROPOSED RETAINING WALL
- NOTABLE TREES
- PROPOSED DRY POND

**LEGEND STORMWATER**

- PROPOSED WETLAND
- PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- PROPOSED SW PIPE INDICATIVE FLOW DIRECTION
- PROPOSED SWALE
- PROPOSED DIVERSION DRAIN
- EXISTING CULVERT
- EXISTING OVERLAND FLOW PATH
- EXISTING STORMWATER (MAIN)

**LEGEND EXISTING UTILITIES**

- GAS
- WATERCARE (MAIN)
- WASTE WATER (MAIN)
- VECTOR ELECTRICITY
- FIBRE OPTIC
- TRANSPOWER OVERHEAD LINES
- TRANSPOWER PYLON



MATCHLINE - REFER DRG-NWE-002-CI-1103

MATCHLINE - REFER DRG-NWE-002-CI-1105

SGA-DRG-NWE-002-CI-1104 Drawing Plotted 5 Dec 2022 11:07 PM

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REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC 2022	SURVEYED	N/A	
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG 2022	DRAWN	V. DELA TORRE	01.05.20
				DRAWING CHECK	J. DELA TORRE	01.05.20
				DESIGN	P. HADWIN	01.05.20
				DESIGN REVIEW	R. BROWN	01.05.20
				APPROVED	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title: **GENERAL ARRANGEMENT LAYOUT PLAN**  
 SHEET 4 OF 5

Drawing Status: <b>FOR LODGEMENT</b>	
Drawing Date: 07.12.2022	
A1 Scales: 1:500	A3 Scales: 1:1000
Discipline: CIVIL	
Drawing No: SGA-DRG-NWE-002-CI-1104	Revision: <b>B</b>

**LEGEND**

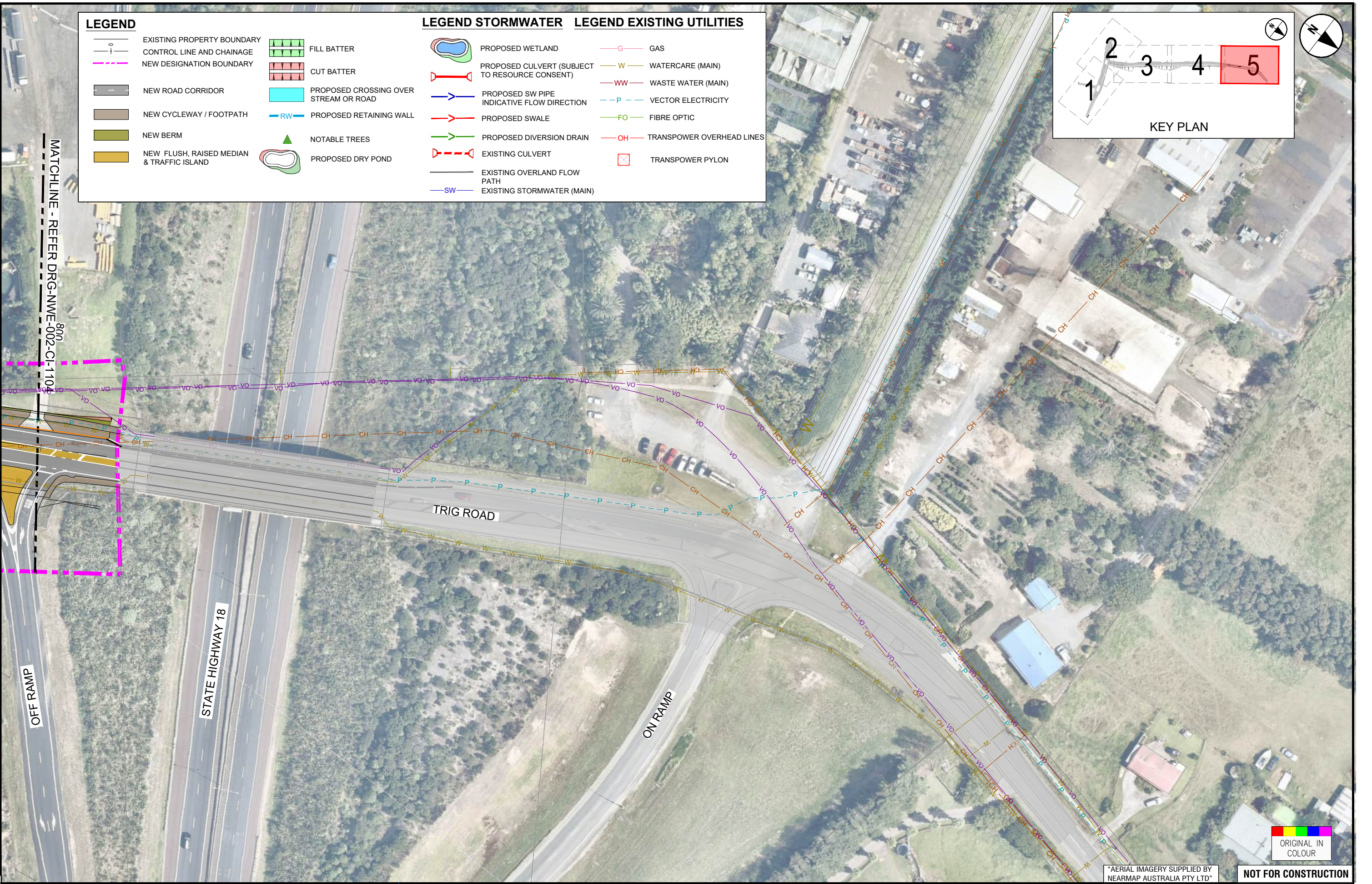
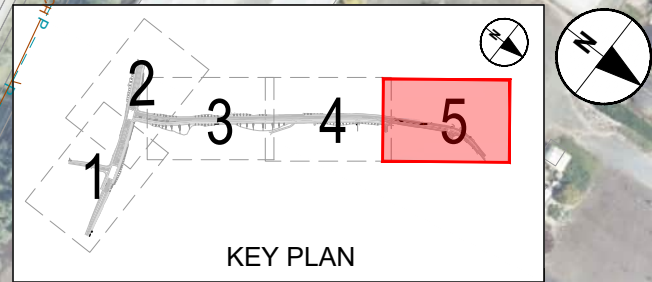
- EXISTING PROPERTY BOUNDARY
- CONTROL LINE AND CHAINAGE
- NEW DESIGNATION BOUNDARY
- NEW ROAD CORRIDOR
- NEW CYCLEWAY / FOOTPATH
- NEW BERM
- NEW FLUSH, RAISED MEDIAN & TRAFFIC ISLAND
- FILL BATTER
- CUT BATTER
- PROPOSED CROSSING OVER STREAM OR ROAD
- PROPOSED RETAINING WALL
- NOTABLE TREES
- PROPOSED DRY POND

**LEGEND STORMWATER**

- PROPOSED WETLAND
- PROPOSED CULVERT (SUBJECT TO RESOURCE CONSENT)
- PROPOSED SW PIPE INDICATIVE FLOW DIRECTION
- PROPOSED SWALE
- PROPOSED DIVERSION DRAIN
- EXISTING CULVERT
- EXISTING OVERLAND FLOW PATH
- EXISTING STORMWATER (MAIN)

**LEGEND EXISTING UTILITIES**

- GAS
- WATERCARE (MAIN)
- WASTE WATER (MAIN)
- VECTOR ELECTRICITY
- FIBRE OPTIC
- TRANSPower OVERHEAD LINES
- TRANSPower PYLON



REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC. 2022	SURVEYED	N/A	
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG. 2022	DRAWN	V. DELA TORRE	01.05.20
				DRAWING CHECK	J. DELA TORRE	01.05.20
				DESIGN	P. HADWIN	01.05.20
				DESIGN REVIEW	R. BROWN	01.05.20
				APPROVED	B. BUSNARDO	07.12.2022

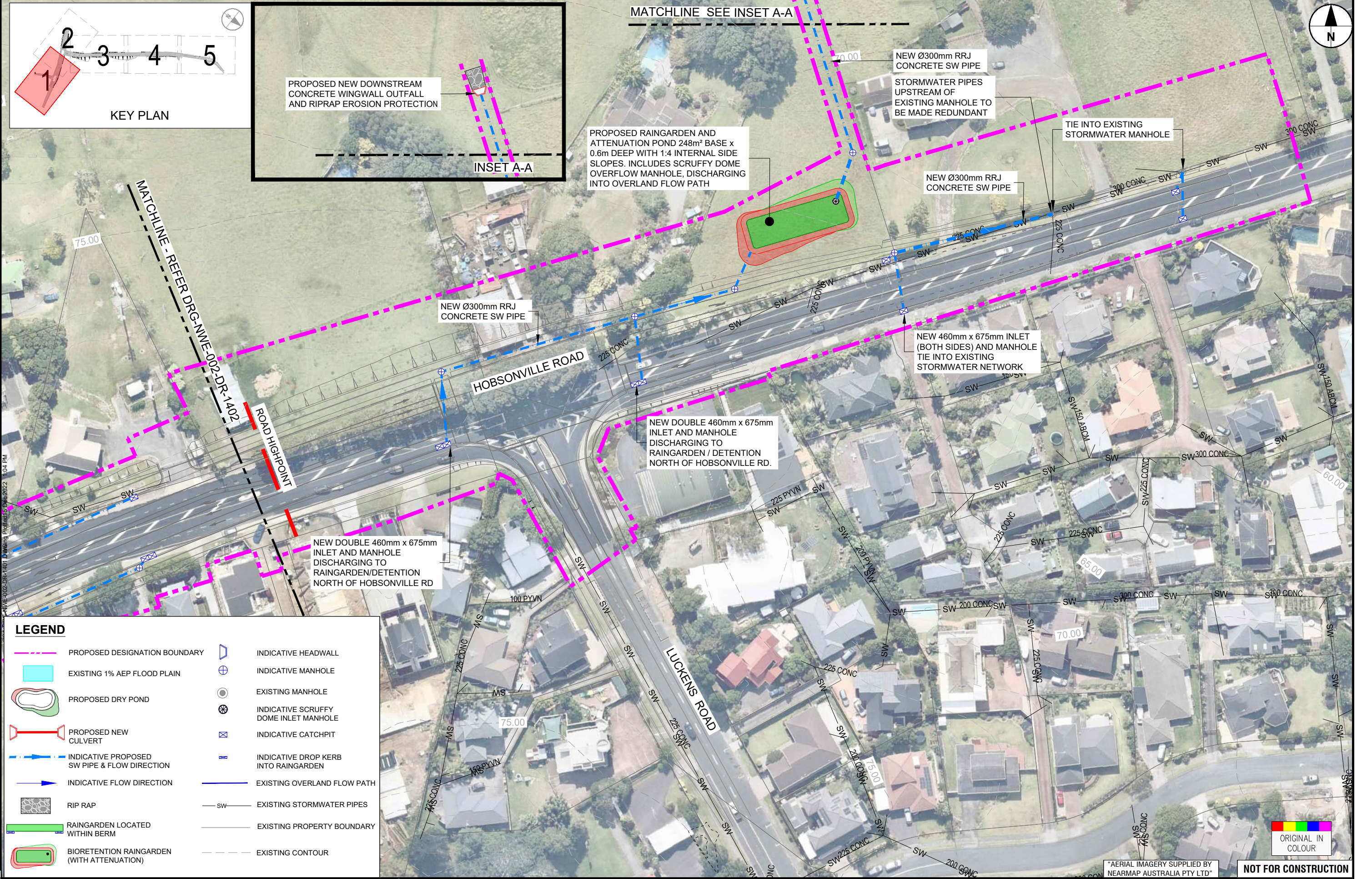
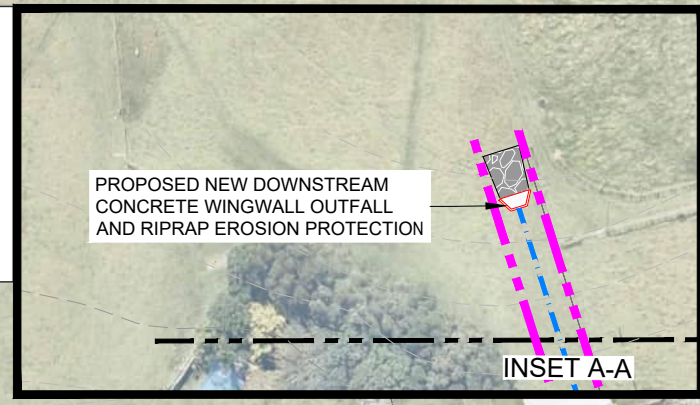
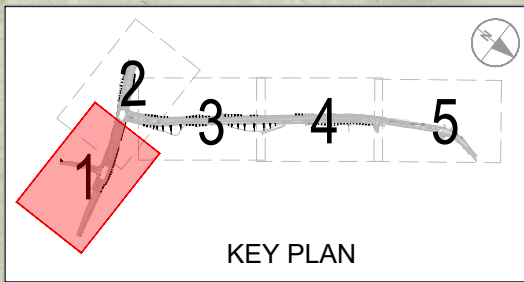


Project: **SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title: **GENERAL ARRANGEMENT LAYOUT PLAN**  
**SHEET 5 OF 5**

Drawing Status: <b>FOR LODGEMENT</b>	
Drawing Date: 07.12.2022	
A1 Scales: 1:500	A3 Scales: 1:1000
Discipline: CIVIL	
Drawing No: SGA-DRG-NWE-002-CI-1105	Revision: <b>B</b>



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**LEGEND**

	PROPOSED DESIGNATION BOUNDARY		INDICATIVE HEADWALL
	EXISTING 1% AEP FLOOD PLAIN		INDICATIVE MANHOLE
	PROPOSED DRY POND		EXISTING MANHOLE
	PROPOSED NEW CULVERT		INDICATIVE SCRUFFY DOME INLET MANHOLE
	INDICATIVE PROPOSED SW PIPE & FLOW DIRECTION		INDICATIVE CATCHPIT
	INDICATIVE FLOW DIRECTION		INDICATIVE DROP KERB INTO RAINGARDEN
	RIPTAP		EXISTING OVERLAND FLOW PATH
	RAINGARDEN LOCATED WITHIN BERM		EXISTING STORMWATER PIPES
	BIORETENTION RAINGARDEN (WITH ATTENUATION)		EXISTING PROPERTY BOUNDARY
			EXISTING CONTOUR

REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC. 2022	DESIGN REVIEW	R. SEYB	20.08.20
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG. 2020	APPROVED	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Stormwater Layout Plan  
 SHEET 1 OF 5

Project: **SUPPORTING GROWTH PROGRAMME**  
 Drawing Title: **STORMWATER LAYOUT PLAN**  
 SHEET 1 OF 5

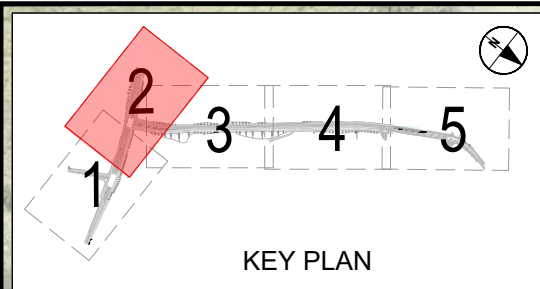
Drawing Status: <b>FOR LODGEMENT</b>	
Drawing Date: 07.12.2022	
A1 Scale: 1:500	A3 Scale: 1:1000
Discipline: STORMWATER	
Drawing No: SGA-DRG-NWE-002-DR-1401	Revision: <b>B</b>



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**LEGEND**

	PROPOSED DESIGNATION BOUNDARY		INDICATIVE HEADWALL
	EXISTING 1% AEP FLOOD PLAIN		INDICATIVE MANHOLE
	PROPOSED DRY POND		EXISTING MANHOLE
	PROPOSED NEW CULVERT		INDICATIVE SCRUFFY DOME INLET MANHOLE
	INDICATIVE PROPOSED SW PIPE & FLOW DIRECTION		INDICATIVE CATCHPIT
	INDICATIVE FLOW DIRECTION		INDICATIVE DROP KERB INTO RAINGARDEN
	RIP RAP		EXISTING OVERLAND FLOW PATH
	RAINGARDEN LOCATED WITHIN BERM		EXISTING STORMWATER PIPES
	BIORETENTION RAINGARDEN (WITH ATTENUATION)		EXISTING PROPERTY BOUNDARY
			EXISTING CONTOUR

REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC 2022	DESIGN REVIEW	R. SEYB	20.08.20
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT	VDLT	AUG 2020	APPROVED	B. BUSNARDO	07.12.2022
	REVISIONS	DRAWN	DATE			



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title: **STORMWATER LAYOUT PLAN**  
**SHEET 2 OF 5**

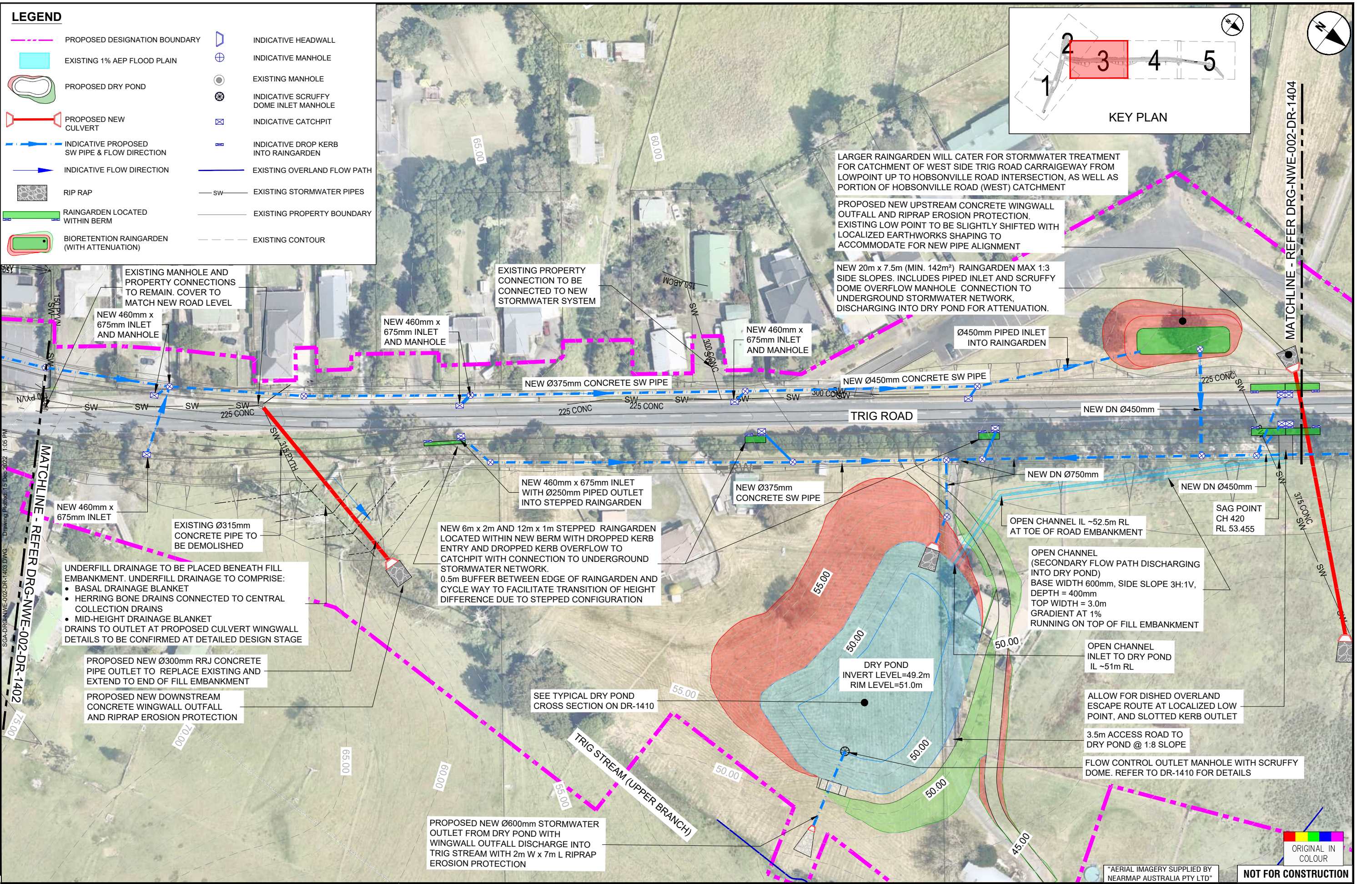
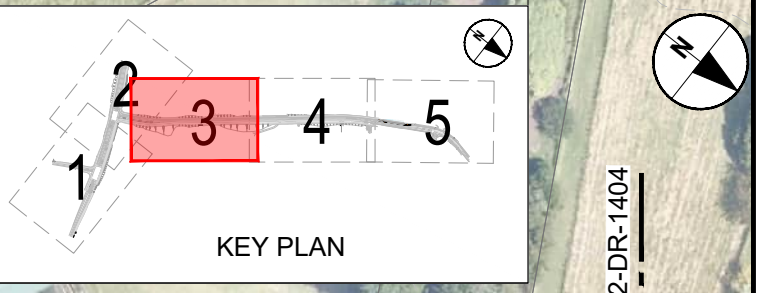
Drawing Status: <b>FOR LODGEMENT</b>	
Drawing Date: 07.12.2022	
A1 Scale: 1:500	A3 Scale: 1:1000
Discipline: <b>STORMWATER</b>	
Drawing No: <b>SGA-DRG-NWE-002-DR-1402</b>	Revision: <b>B</b>

NWE-002-DR-1402-Drawing Plotted 5 Dec 2022 10:04 PM

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

**LEGEND**

	PROPOSED DESIGNATION BOUNDARY		INDICATIVE HEADWALL
	EXISTING 1% AEP FLOOD PLAIN		INDICATIVE MANHOLE
	PROPOSED DRY POND		EXISTING MANHOLE
	PROPOSED NEW CULVERT		INDICATIVE SCRUFFY DOME INLET MANHOLE
	INDICATIVE PROPOSED SW PIPE & FLOW DIRECTION		INDICATIVE CATCHPIT
	INDICATIVE FLOW DIRECTION		INDICATIVE DROP KERB INTO RAINGARDEN
	RIP RAP		EXISTING OVERLAND FLOW PATH
	RAINGARDEN LOCATED WITHIN BERM		EXISTING STORMWATER PIPES
	BIORETENTION RAINGARDEN (WITH ATTENUATION)		EXISTING PROPERTY BOUNDARY
			EXISTING CONTOUR



LARGER RAINGARDEN WILL CATER FOR STORMWATER TREATMENT FOR CATCHMENT OF WEST SIDE TRIG ROAD CARRIAGEWAY FROM LOWPOINT UP TO HOBSONVILLE ROAD INTERSECTION, AS WELL AS PORTION OF HOBSONVILLE ROAD (WEST) CATCHMENT

PROPOSED NEW UPSTREAM CONCRETE WINGWALL OFFFALL AND RIPRAP EROSION PROTECTION. EXISTING LOW POINT TO BE SLIGHTLY SHIFTED WITH LOCALIZED EARTHWORKS SHAPING TO ACCOMMODATE FOR NEW PIPE ALIGNMENT

NEW 20m x 7.5m (MIN. 142m<sup>2</sup>) RAINGARDEN MAX 1:3 SIDE SLOPES. INCLUDES PIPED INLET AND SCRUFFY DOME OVERFLOW MANHOLE CONNECTION TO UNDERGROUND STORMWATER NETWORK, DISCHARGING INTO DRY POND FOR ATTENUATION.

UNDERFILL DRAINAGE TO BE PLACED BENEATH FILL EMBANKMENT. UNDERFILL DRAINAGE TO COMPRISE:

- BASAL DRAINAGE BLANKET
- HERRING BONE DRAINS CONNECTED TO CENTRAL COLLECTION DRAINS
- MID-HEIGHT DRAINAGE BLANKET DRAINS TO OUTLET AT PROPOSED CULVERT WINGWALL

DETAILS TO BE CONFIRMED AT DETAILED DESIGN STAGE

NEW 6m x 2m AND 12m x 1m STEPPED RAINGARDEN LOCATED WITHIN NEW BERM WITH DROPPED KERB ENTRY AND DROPPED KERB OVERFLOW TO CATCHPIT WITH CONNECTION TO UNDERGROUND STORMWATER NETWORK. 0.5m BUFFER BETWEEN EDGE OF RAINGARDEN AND CYCLE WAY TO FACILITATE TRANSITION OF HEIGHT DIFFERENCE DUE TO STEPPED CONFIGURATION

OPEN CHANNEL (SECONDARY FLOW PATH DISCHARGING INTO DRY POND)  
 BASE WIDTH 600mm, SIDE SLOPE 3H:1V, DEPTH = 400mm, TOP WIDTH = 3.0m, GRADIENT AT 1% RUNNING ON TOP OF FILL EMBANKMENT

OPEN CHANNEL INLET TO DRY POND  
 IL ~51m RL

ALLOW FOR DISHED OVERLAND ESCAPE ROUTE AT LOCALIZED LOW POINT, AND SLOTTED KERB OUTLET

3.5m ACCESS ROAD TO DRY POND @ 1:8 SLOPE

FLOW CONTROL OUTLET MANHOLE WITH SCRUFFY DOME. REFER TO DR-1410 FOR DETAILS

PROPOSED NEW Ø600mm STORMWATER OUTLET FROM DRY POND WITH WINGWALL OFFFALL DISCHARGE INTO TRIG STREAM WITH 2m W x 7m L RIPRAP EROSION PROTECTION

SEE TYPICAL DRY POND CROSS SECTION ON DR-1410

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**NOT FOR CONSTRUCTION**

ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT DEC 2022	DESIGN REVIEW	R. SEYB	20.08.20
FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT AUG 2020	APPROVED	B. BUSNARDO	07.12.2022

SURVEYED	V. DELA TORRE	01.05.20
DRAWN	J. DELA TORRE	01.05.20
DRAWING CHECK	N. WOLFAARDT	20.08.20
DESIGN	R. SEYB	20.08.20
APPROVED	B. BUSNARDO	07.12.2022

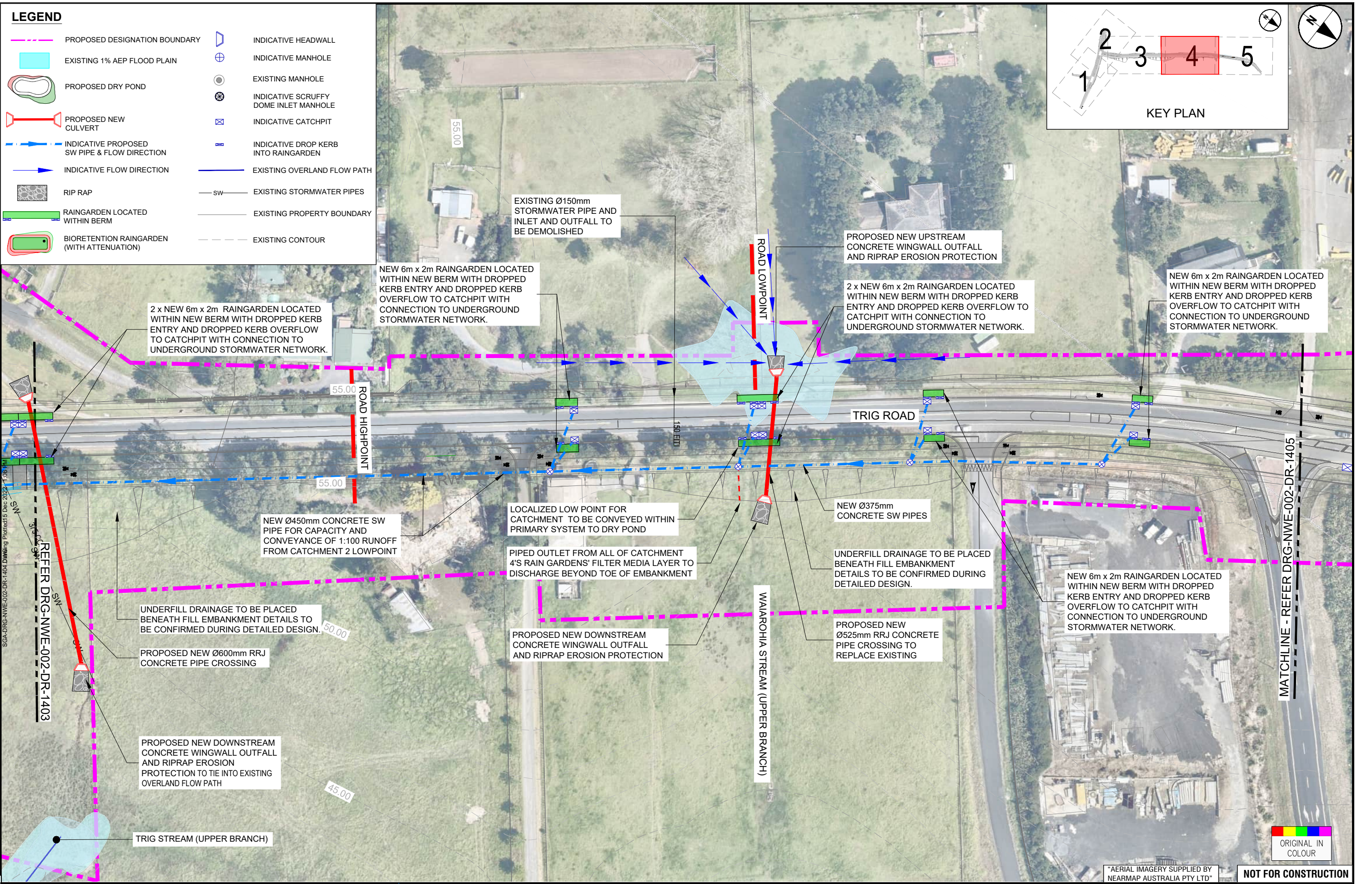
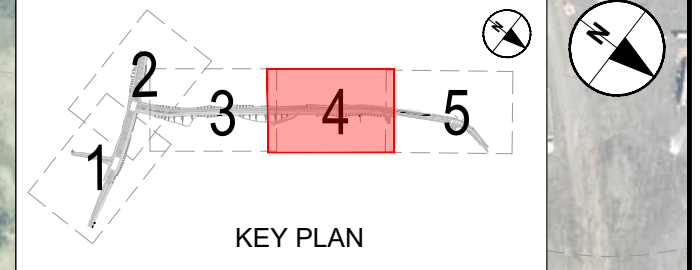


**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title:  
**STORMWATER LAYOUT PLAN**  
**SHEET 3 OF 5**

<b>FOR LODGEMENT</b>	
Drawing Date:	07.12.2022
A1 Scale:	1:500
A3 Scale:	1:1000
Discipline:	STORMWATER
Drawing No:	SGA-DRG-NWE-002-DR-1403
Revision:	B

### LEGEND

	PROPOSED DESIGNATION BOUNDARY		INDICATIVE HEADWALL
	EXISTING 1% AEP FLOOD PLAIN		INDICATIVE MANHOLE
	PROPOSED DRY POND		EXISTING MANHOLE
	PROPOSED NEW CULVERT		INDICATIVE SCRUFFY DOME INLET MANHOLE
	INDICATIVE PROPOSED SW PIPE & FLOW DIRECTION		INDICATIVE CATCHPIT
	INDICATIVE FLOW DIRECTION		INDICATIVE DROP KERB INTO RAINGARDEN
	RIP RAP		EXISTING OVERLAND FLOW PATH
	RAINGARDEN LOCATED WITHIN BERM		EXISTING STORMWATER PIPES
	BIORETENTION RAINGARDEN (WITH ATTENUATION)		EXISTING PROPERTY BOUNDARY
			EXISTING CONTOUR



SGA-DRG-NWE-002-DR-1404 Drawing Plotted 5 Dec 2022 1:08 PM

REFER DRG-NWE-002-DR-1403

MATCHLINE - REFER DRG-NWE-002-DR-1405

ORIGINAL IN COLOUR

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REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC 2022	SURVEYED		
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG 2020	DRAWN	V. DELA TORRE	01.05.20
				DRAWING CHECK	J. DELA TORRE	01.05.20
				DESIGN	N. WOLFAARDT	20.08.20
				DESIGN REVIEW	R. SEYB	20.08.20
				APPROVED	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title: **STORMWATER LAYOUT PLAN**  
**SHEET 4 OF 5**

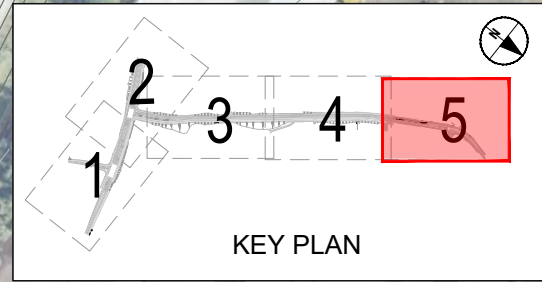
Drawing Status: <b>FOR LODGEMENT</b>			
Drawing Date: 07.12.2022		Revision: B	
A1	1:500	A3	1:1000
Discipline: STORMWATER			
Drawing No: SGA-DRG-NWE-002-DR-1404			Revision: B

**NOT FOR CONSTRUCTION**



**LEGEND**

	PROPOSED DESIGNATION BOUNDARY		INDICATIVE HEADWALL
	EXISTING 1% AEP FLOOD PLAIN		INDICATIVE MANHOLE
	PROPOSED DRY POND		EXISTING MANHOLE
	PROPOSED NEW CULVERT		INDICATIVE SCRUFFY DOME INLET MANHOLE
	INDICATIVE PROPOSED SW PIPE & FLOW DIRECTION		INDICATIVE CATCHPIT
	INDICATIVE FLOW DIRECTION		INDICATIVE DROP KERB INTO RAINGARDEN
	RIP RAP		EXISTING OVERLAND FLOW PATH
	RAINGARDEN LOCATED WITHIN BERM		EXISTING STORMWATER PIPES
	BIORETENTION RAINGARDEN (WITH ATTENUATION)		EXISTING PROPERTY BOUNDARY
			EXISTING CONTOUR



MATCHLINE - REFER DRG-NWE-002-DR-1404

50.00

STATE HIGHWAY 18

55.00

EXISTING BRIDGE

55.00

50.00

50.00

END OF CATCHMENT. DRAINAGE BEYOND THIS POINT TO REMAIN AS PER EXISTING

CATCHPIT TO BE RELOCATED TO ACCOMMODATE NEW ROAD ALIGNMENT

TRIG ROAD

"AERIAL IMAGERY SUPPLIED BY NEARMAP AUSTRALIA PTY LTD"

ORIGINAL IN COLOUR

NOT FOR CONSTRUCTION

REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC. 2022	SURVEYED		
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG. 2020	DRAWN	V. DELA TORRE	01.05.20
				DRAWING CHECK	J. DELA TORRE	01.05.20
				DESIGN	N. WOLFAARDT	20.08.20
				DESIGN REVIEW	R. SEYB	20.08.20
				APPROVED	B. BUSNARDO	07.12.2022

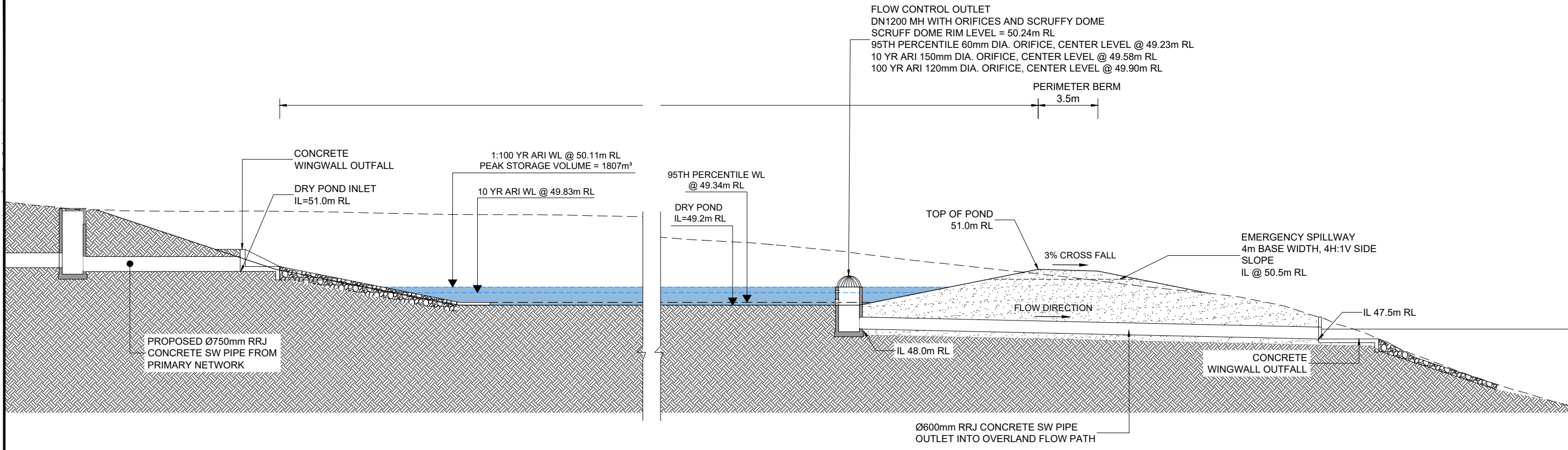


Project: **SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**

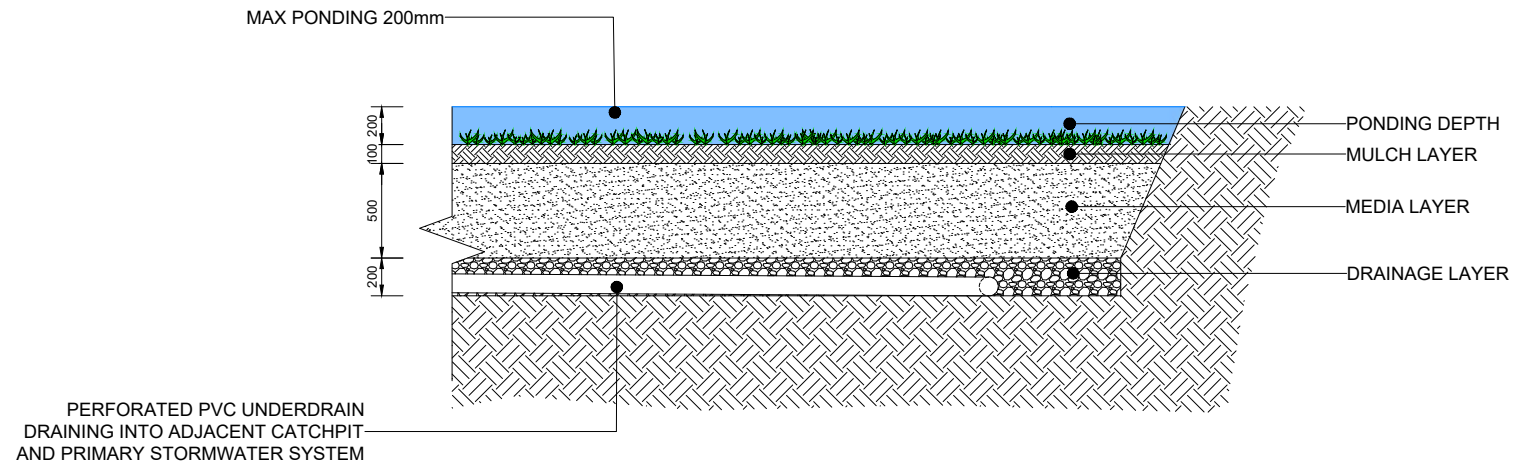
Drawing Title: **STORMWATER LAYOUT PLAN**  
**SHEET 5 OF 5**

Drawing Status: <b>FOR LODGEMENT</b>			
Drawing Date: 07.12.2022			
A1 Scales	1:500	A3 Scales	1:1000
Discipline: STORMWATER			
Drawing No: SGA-DRG-NWE-002-DR-1405			Revision: <b>B</b>

SGA-DRG-NWE-002-DR-1410 Drawing Plotted 5 Dec 2022 1:07 PM



**A | TYPICAL DRY POND CROSS SECTION**  
Scale 1:100



**B | TYPICAL RAINGARDEN LONG SECTION**  
Scale 1:20



**NOT FOR CONSTRUCTION**



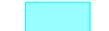
















REV	DESCRIPTION	DATE	BY	CHECKED	DATE
B	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	DEC 2022	VDLT		
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT	AUG 2022	VDLT		
	REVISIONS				

**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Drawing Title: **STORMWATER DRY POND AND RAINGARDEN TYPICAL CROSS SECTIONS**











Drawing Status: <b>FOR LODGEMENT</b>	
Drawing Date: 07.12.2022	
A1 AS SHOWN	A3 HALF SCALE
Discipline: <b>STORMWATER</b>	
Drawing No: <b>SGA-DRG-NWE-002-DR-1410</b>	Revision: <b>B</b>

SGA-DRG-NWE-002-EN-1500-Drawing Plotted 5 Dec 2022 11:07 PM

**LEGEND**

	PROPOSED DESIGNATION BOUNDARY		INDICATIVE HEADWALL
	EXISTING 1% AEP FLOOD PLAIN		INDICATIVE MANHOLE
	PROPOSED DRY POND		EXISTING MANHOLE
	PROPOSED NEW CULVERT		INDICATIVE SCRUFFY DOME INLET MANHOLE
	INDICATIVE PROPOSED SW PIPE & FLOW DIRECTION		INDICATIVE CATCHPIT
	INDICATIVE FLOW DIRECTION		INDICATIVE DROP KERB INTO RAINGARDEN
	RIP RAP		EXISTING OVERLAND FLOW PATH
	RAINGARDEN LOCATED WITHIN BERM		EXISTING STORMWATER PIPES
	BIORETENTION RAINGARDEN (WITH ATTENUATION)		EXISTING PROPERTY BOUNDARY
			EXISTING CONTOUR

**ESCM LEGEND**

	EXISTING SWALE
	CLEAN WATER DIVERSION BUND
	'DIRTY' WATER DIVERSION BUND
	SILT FENCE
	SAND BAG/LOG
	SILT SOCK
	CONTOUR DRAIN
	SILT STABILIZED ENTRANCEWAY
	DECANTING EARTH BUND
	EXTEND SURFACING/LAYERWORKS (DISTURBED AREAS). APPLIES TO FULL LENGTH OF TRIG ROAD AND HOBSONVILLE ROAD AS INDICATED

**GENERAL NOTES (APPLICABLE TO ALL LAYOUTS):**

1. ALL ENVIRONMENTAL CONTROLS TO BE SET UP PRIOR TO COMMENCEMENT OF WORKS AND APPROVED FOR SUITABILITY BY ENGINEER.
2. CLEAN WATER DIVERSION BUNDS TO DIRECT RUNOFF TO EXISTING CROSSINGS UNTIL OFFLINE CONSTRUCTION OF NEW STORMWATER CROSSINGS HAVE BEEN COMPLETED, INCLUDING OUTFALL AND EROSION PROTECTION, AFTER WHICH CLEAN RUNOFF WILL BE DIVERTED TO NEW STORMWATER CROSSINGS.
3. STORMWATER CROSSINGS UNDER TRIG ROAD TO BE CONSTRUCTED OFFLINE ALONG NEW ALIGNMENT. DOWNSTREAM DISCHARGE FROM EXISTING CROSSINGS TO BE TEMPORARILY DIVERTED TO ALLOW FOR DRY WORKS AREA AT NEW OUTFALL POSITION.
4. WHERE EXISTING STORMWATER PIPES TIE INTO NEW NETWORK, ENSURE DOWNSTREAM STORMWATER PIPES AND OUTFALLS ARE COMPLETED PRIOR TO CONNECTION.
5. TRAFFIC MANAGEMENT PLAN TO BE SUPPLIED BY CONTRACTOR FOR ZONE 2 AND 3 OF WORKS FOR WHICH FULL ROAD RECONSTRUCTION IS EXPECTED WITH DETAILS OF PROGRESSIVE CHANGES TO SEDIMENT CONTROL METHODS WITHIN THE CARRIAGEWAY.
6. WORKS AND ASSOCIATED EROSION AND SEDIMENT CONTROL MEASURES TO BE STAGED TO MAINTAIN ACCESS TO EXISTING PROPERTIES THROUGHOUT.
7. USE CUT AND COVER METHOD FOR OPEN TRENCH INSTALLATION.
8. ALL STOCKPILES TO BE COVERED DURING PERIODS OF INACTIVITY.
9. ALL EXISTING STORMWATER INLETS AND NEW INLETS DRAINING INTO EXISTING STORMWATER SYSTEMS, TO RECEIVE SEDIMENT PROTECTION.
10. ALL SEDIMENT CONTROL MEASURES TO REMAIN IN PLACE POST CONSTRUCTION UNTIL >80% STABILIZED SURFACES HAVE BEEN ESTABLISHED.
11. ANY SEDIMENT LADEN RUNOFF COLLECTED OFF THE TRIG ROAD SURFACE AREA WILL BE COLLECTED VIA THE NEW STORMWATER PIPE NETWORK AND DISCHARGED INTO THE SEDIMENT RETENTION POND FOR TREATMENT.
12. ANY SEDIMENT LADEN RUNOFF COLLECTED OFF THE ROAD SURFACE OF HOBSONVILLE ROAD, JUST EAST OF THE INTERSECTION, WILL BE COLLECTED VIA THE NEW STORMWATER PIPE NETWORK AND DISCHARGED INTO THE PROPOSED ATTENUATION POND / RAINGARDEN (TO USED AS A TEMPORARY TREATMENT DEVICE DURING CONSTRUCTION) FOR TREATMENT.
13. NEW SLOTTED KERB ENTRY INTO AND OUT OF THE PROPOSED RAINGARDENS WITHIN THE BERM ARE TO BE ADDED ONLY AFTER FULL SITE STABILIZATION IS ACHIEVED AND ROAD SURFACE RUNOFF IS NO LONGER SEDIMENT LADEN. RAINGARDENS ARE TO RECIEVE PERIMETER SEDIMENT PROTECTION MEASURES AND TEMPORARY COVERS DURING THIS PERIOD UNTIL OPEN FOR USE.



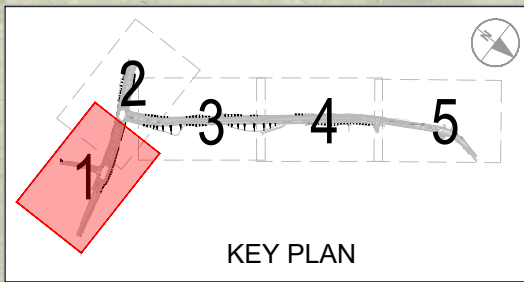
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REV	ISSUED FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	DATE	BY	DATE	BY
B	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	DEC 2022	VDLT	20.08.20	V. DELA TORRE
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT	AUG 2020	VDLT	20.08.20	J. DELA TORRE
				20.08.20	N. WOLFAARDT
				20.08.20	R. SEYB
				07.12.2022	B. BUSNARDO

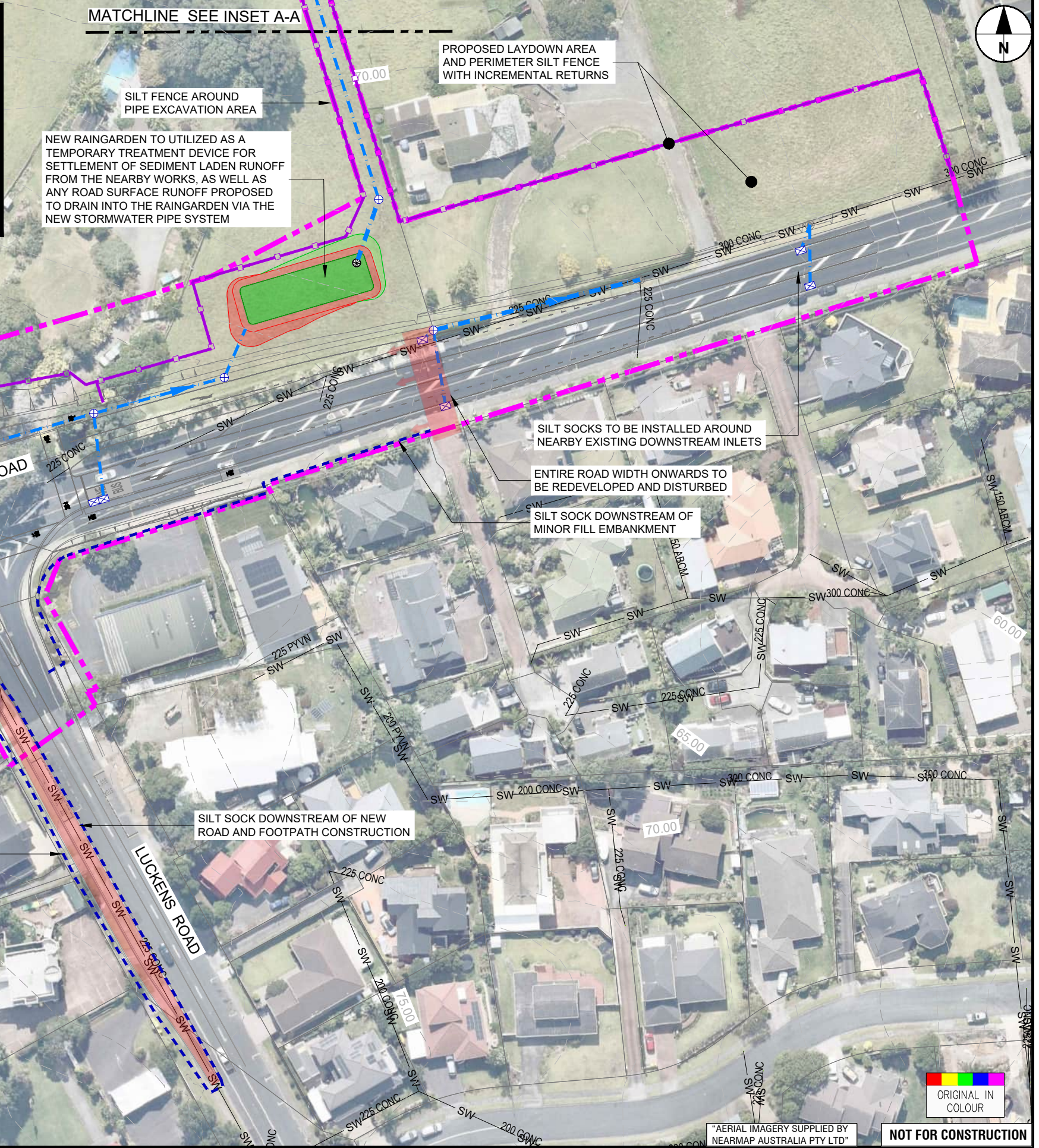
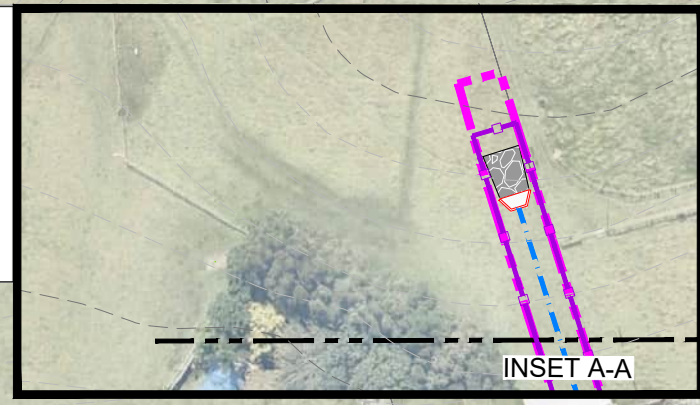


**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 Project:  
 Drawing Title:  
**EROSION & SEDIMENT CONTROL**  
**LEGEND AND GENERAL NOTES**

Drawing Status: <b>FOR LODGEMENT</b>			
Drawing Date: 07.12.2022		Revision: <b>B</b>	
A1 Scales	NTS	A3 Scales	NTS
Discipline: ENVIRONMENTAL			
Drawing No: SGA-DRG-NWE-002-EN-1500			Revision: <b>B</b>



**NOTE:**  
FOR GENERAL NOTES AND LEGEND  
REFER DWG No. SGA-DRG-NWE-002-EN-1500



SGA-DRG-NWE-002-EN-1501 Drawing Platform 15 Date: 2022 10:17 PM

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A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT	VOLT	AUG 2020
	REVISIONS	DRAWN	DATE

SURVEYED		
DRAWN	V. DELA TORRE	20.08.20
DRAWING CHECK	J. DELA TORRE	20.08.20
DESIGN	N. WOLFAARDT	20.08.20
DESIGN REVIEW	R. SEYB	20.08.20
APPROVED	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
Drawing Title:  
**EROSION & SEDIMENT CONTROL PLAN**  
SHEET 1 OF 5

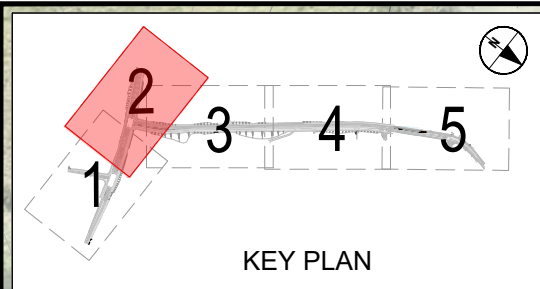
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**NOT FOR CONSTRUCTION**

**FOR LODGEMENT**

Drawing Date:	07.12.2022		
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Discipline:	ENVIRONMENTAL		
Drawing No.:	SGA-DRG-NWE-002-EN-1501		Revision:
			<b>B</b>





NOTE:  
FOR GENERAL NOTES AND LEGEND  
REFER DWG No. SGA-DRG-NWE-002-EN-1500



SGA-DRG-NWE-002-EN-1502 DWG Drawing Plotted 5 Dec 2022 1:08 PM



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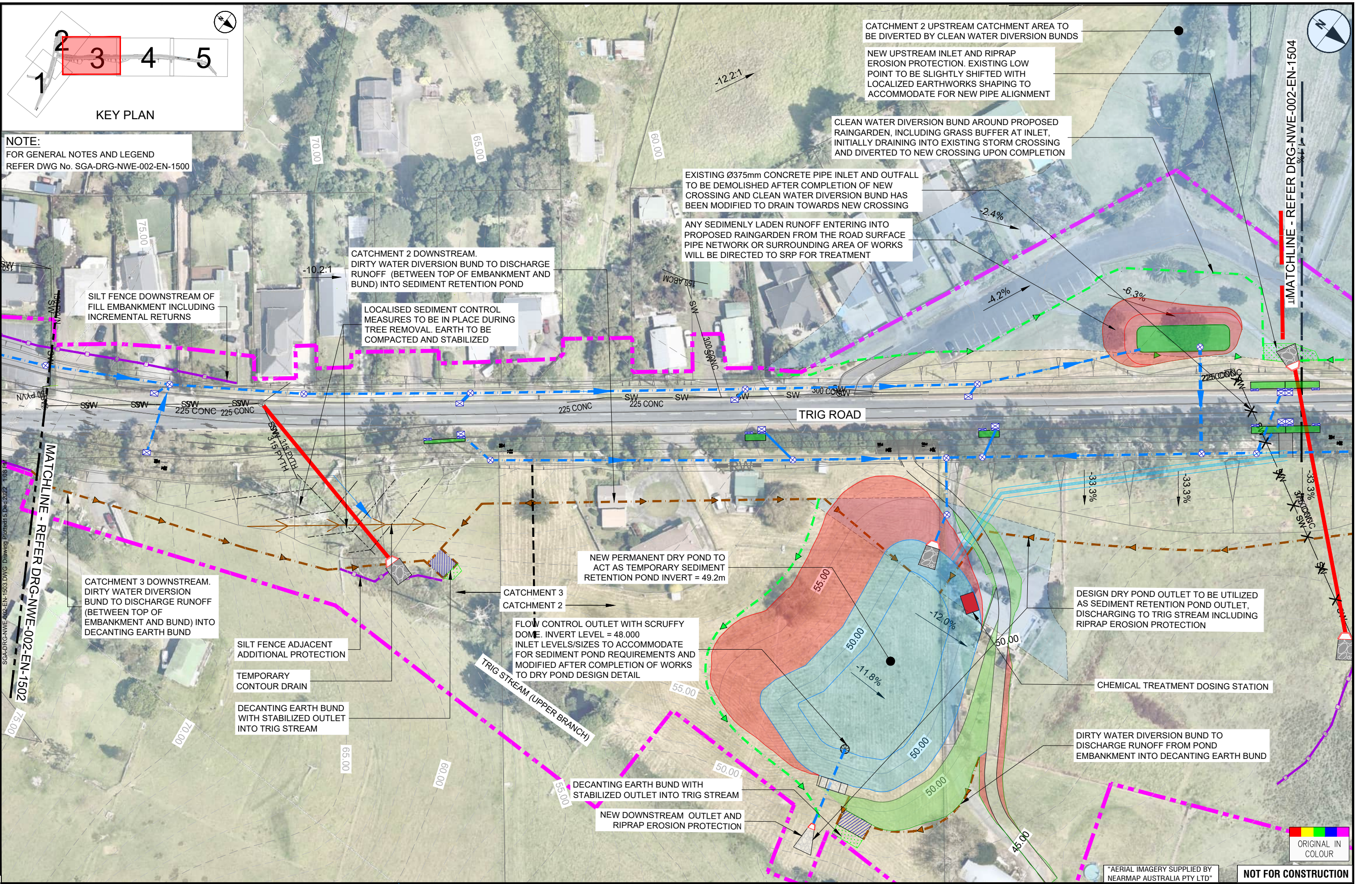
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B	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	20.08.20	V. DELA TORRE	20.08.20
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	07.12.2022	B. BUSNARDO	07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
Drawing Title: **EROSION & SEDIMENT CONTROL PLAN**  
SHEET 2 OF 5

Drawing Status: <b>FOR LODGEMENT</b>	
Drawing Date: 07.12.2022	
A1 Scale: 1:500	A3 Scale: 1:1000
Discipline: ENVIRONMENTAL	
Drawing No: SGA-DRG-NWE-002-EN-1502	Revision: <b>B</b>





**NOTE:**  
FOR GENERAL NOTES AND LEGEND  
REFER DWG No. SGA-DRG-NWE-002-EN-1500

SGA-DRG-NWE-002-EN-1503.DWG Drawing Plotted 5 Dec 2022 10:08 PM

REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	DATE	DESIGNED BY	DATE
B	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	V.DL	DEC 2022	
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	V.DL	AUG 2020	

REV	DATE	DESIGNED BY	DATE
	20.08.20	V. DELA TORRE	20.08.20
	20.08.20	J. DELA TORRE	20.08.20
	20.08.20	N. WOLFAARDT	20.08.20
	20.08.20	R. SEYB	20.08.20
	07.12.2022	B. BUSNARDO	07.12.2022

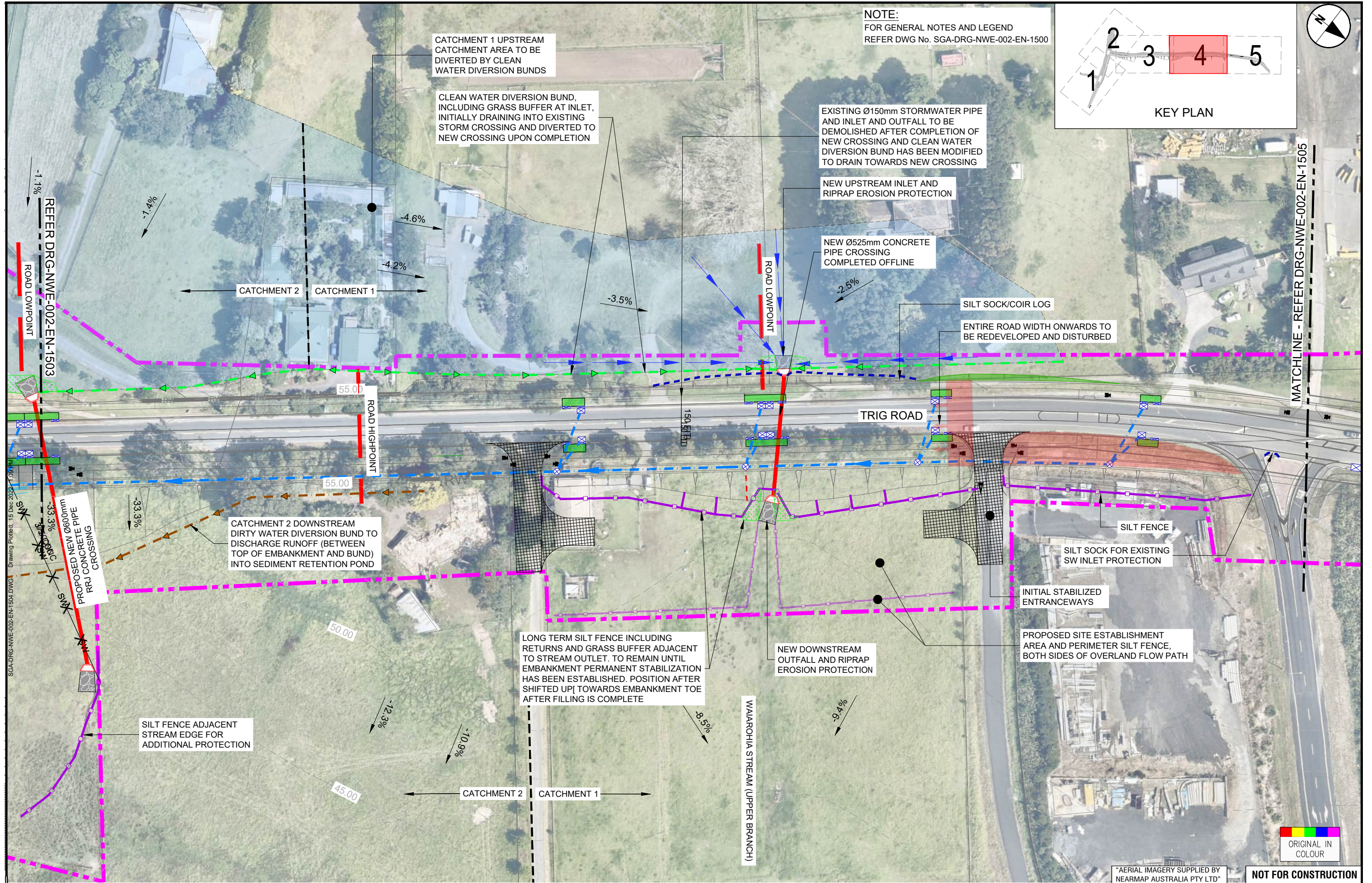


**SUPPORTING GROWTH PROGRAMME**  
NORTH WEST - HIF TRIG ROAD (SOUTH)  
EROSION & SEDIMENT CONTROL PLAN  
SHEET 3 OF 5

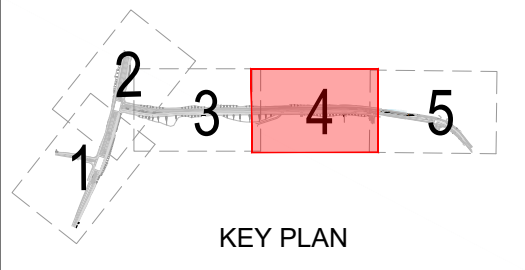
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FOR LODGEMENT	
Drawing Date:	07.12.2022
A1 Scale:	1:500
A3 Scale:	1:1000
Discipline:	ENVIRONMENTAL
Drawing No:	SGA-DRG-NWE-002-EN-1503
Revision:	B



NOTE:  
FOR GENERAL NOTES AND LEGEND  
REFER DWG No. SGA-DRG-NWE-002-EN-1500



SGA-DRG-NWE-002-EN-1504-DWG1 Drawing Plotted: 15 Dec 2022 1:09 PM

MATCHLINE - REFER DRG-NWE-002-EN-1505

ORIGINAL IN COLOUR

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A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG 2020

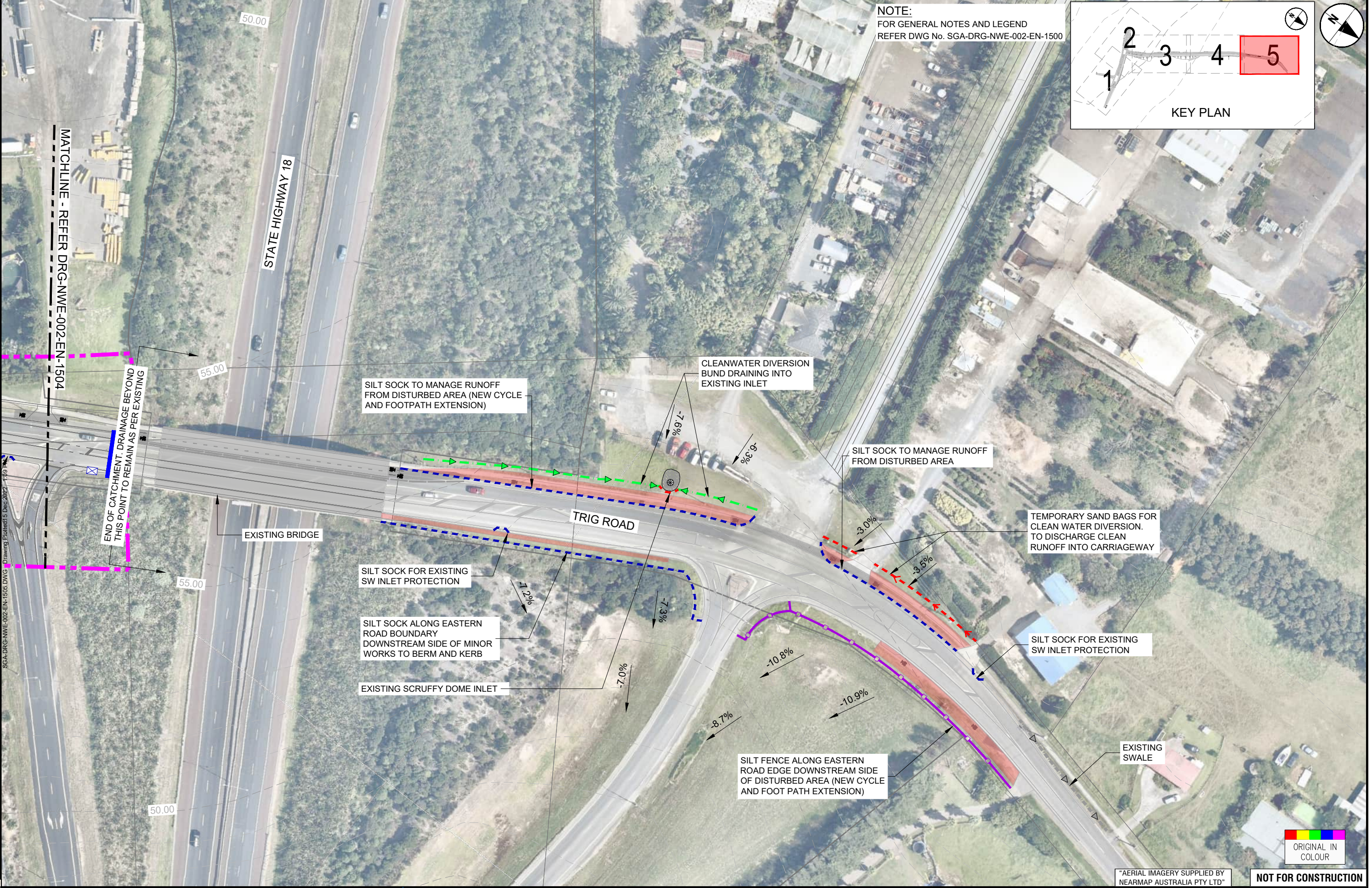
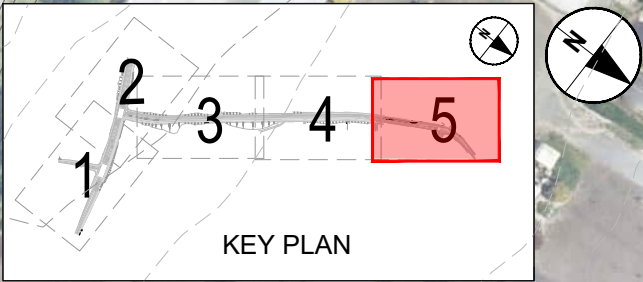
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DRAWN	V. DELA TORRE		20.08.20
DRAWING CHECK	J. DELA TORRE		20.08.20
DESIGN	N. WOLFAARDT		20.08.20
DESIGN REVIEW	R. SEYB		20.08.20
APPROVED	B. BUSNARDO		07.12.2022



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
Drawing Title:  
**EROSION & SEDIMENT CONTROL PLAN**  
SHEET 4 OF 5

Drawing Date: 07.12.2022		Revision: B	
A1 Scale: 1:500	A3 Scale: 1:1000	Discipline: ENVIRONMENTAL	
Drawing No: SGA-DRG-NWE-002-EN-1504		Revision: B	

NOTE:  
FOR GENERAL NOTES AND LEGEND  
REFER DWG No. SGA-DRG-NWE-002-EN-1500



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REV	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT	DEC. 2022
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT REVISIONS	VDLT	AUG. 2020

SURVEYED			
DRAWN	V. DELA TORRE	20.08.20	
DRAWING CHECK	J. DELA TORRE	20.08.20	
DESIGN	N. WOLFAARDT	20.08.20	
DESIGN REVIEW	R. SEYB	20.08.20	
APPROVED	B. BUSNARDO	07.12.2022	



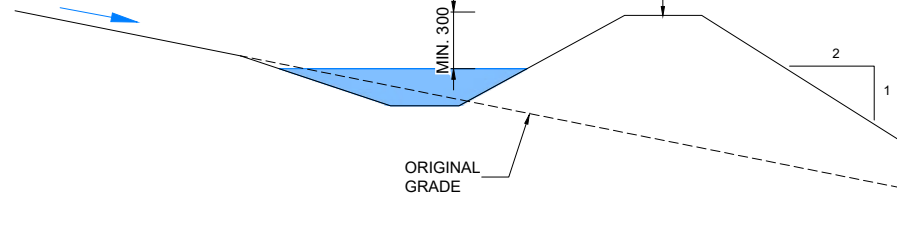
Project: **SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
Drawing Title: **EROSION & SEDIMENT CONTROL PLAN**  
**SHEET 5 OF 5**

Drawing Status: <b>FOR LODGEMENT</b>			
Drawing Date: 07.12.2022			
A1 Scales	1:500	A3 Scales	1:1000
Discipline: ENVIRONMENTAL			
Drawing No: SGA-DRG-NWE-002-EN-1505			Revision: <b>B</b>

EXISTING VEGETATION TO BE REMAIN UNDISTURBED

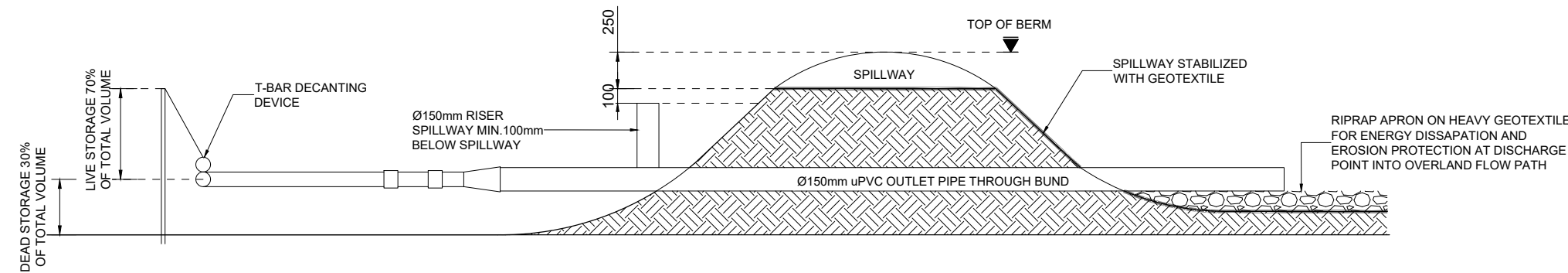
COMPACTED EARTH BUND HYDROSEEDED AND MULCHED OR TOPSOILED AND SEEDDED

COMPACTED EMBANKMENT

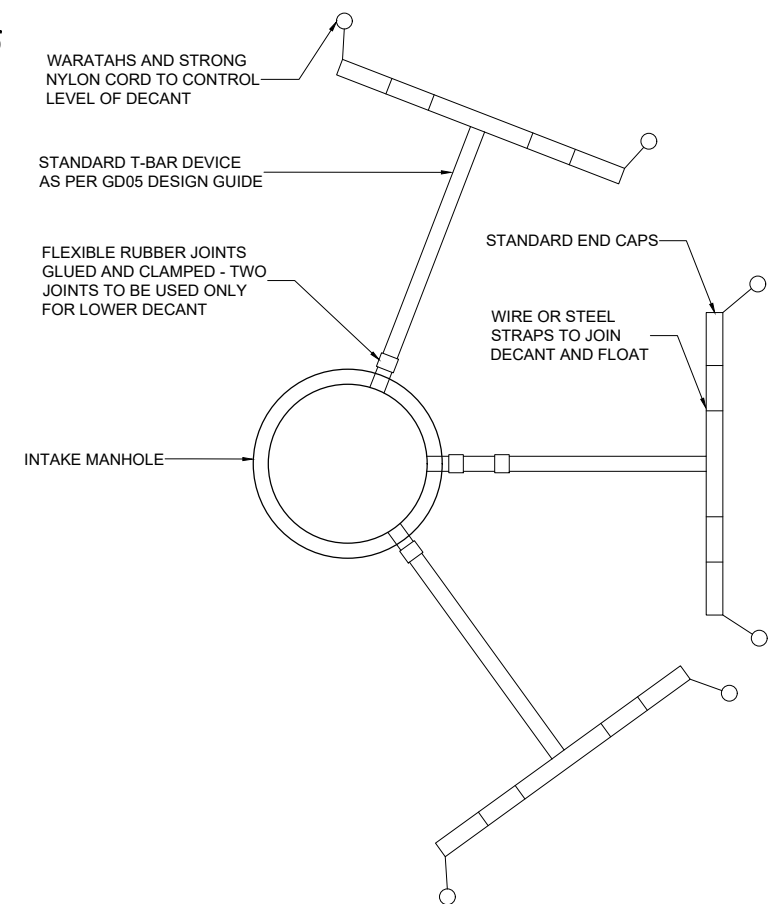


**B TYPICAL CROSS SECTION : CLEAN WATER DIVERSION BUND**

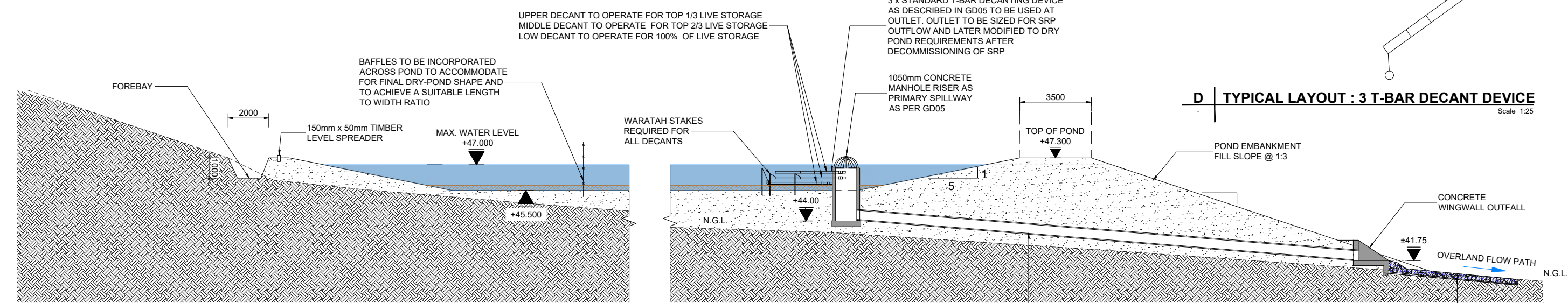
**C TYPICAL CROSS SECTION : DIRTY WATER DIVERSION BUND**



**A TYPICAL CROSS SECTION : DECANTING EARTH BUND**



**D TYPICAL LAYOUT : 3 T-BAR DECANT DEVICE**



**TYPICAL CROSS SECTION: SEDIMENT RETENTION POND (UTILIZING FUTURE DRY POND STRUCTURE)**

NTS



**NOT FOR CONSTRUCTION**

SGA-DRG-NWE-002-EN-1510.DWG Drawing Plotted: 15 Dec 2022 11:10 PM

REV	DESCRIPTION	DATE	APPROVED	DATE
B	ISSUED FOR NOTICE OF REQUIREMENT LODGEMENT	VDLT DEC 2022	R. SEYB	20.08.20
A	FOR NOTICE OF REQUIREMENT AND RESOURCE CONSENT	VDLT AUG 2020	B. BUSNARDO	07.12.2022
REV	REVISIONS	DATE	APPROVED	DATE



**SUPPORTING GROWTH PROGRAMME**  
**NORTH WEST - HIF TRIG ROAD (SOUTH)**  
 EROSION & SEDIMENT CONTROL  
 SEDIMENT RETENTION DEVICES

Drawing Status: <b>FOR LODGEMENT</b>			
Drawing Date: 07.12.2022			
A1	AS SHOWN	A3	HALF SCALE
Discipline: ENVIRONMENTAL			
Drawing No: SGA-DRG-NWE-002-EN-1510			Revision: <b>B</b>