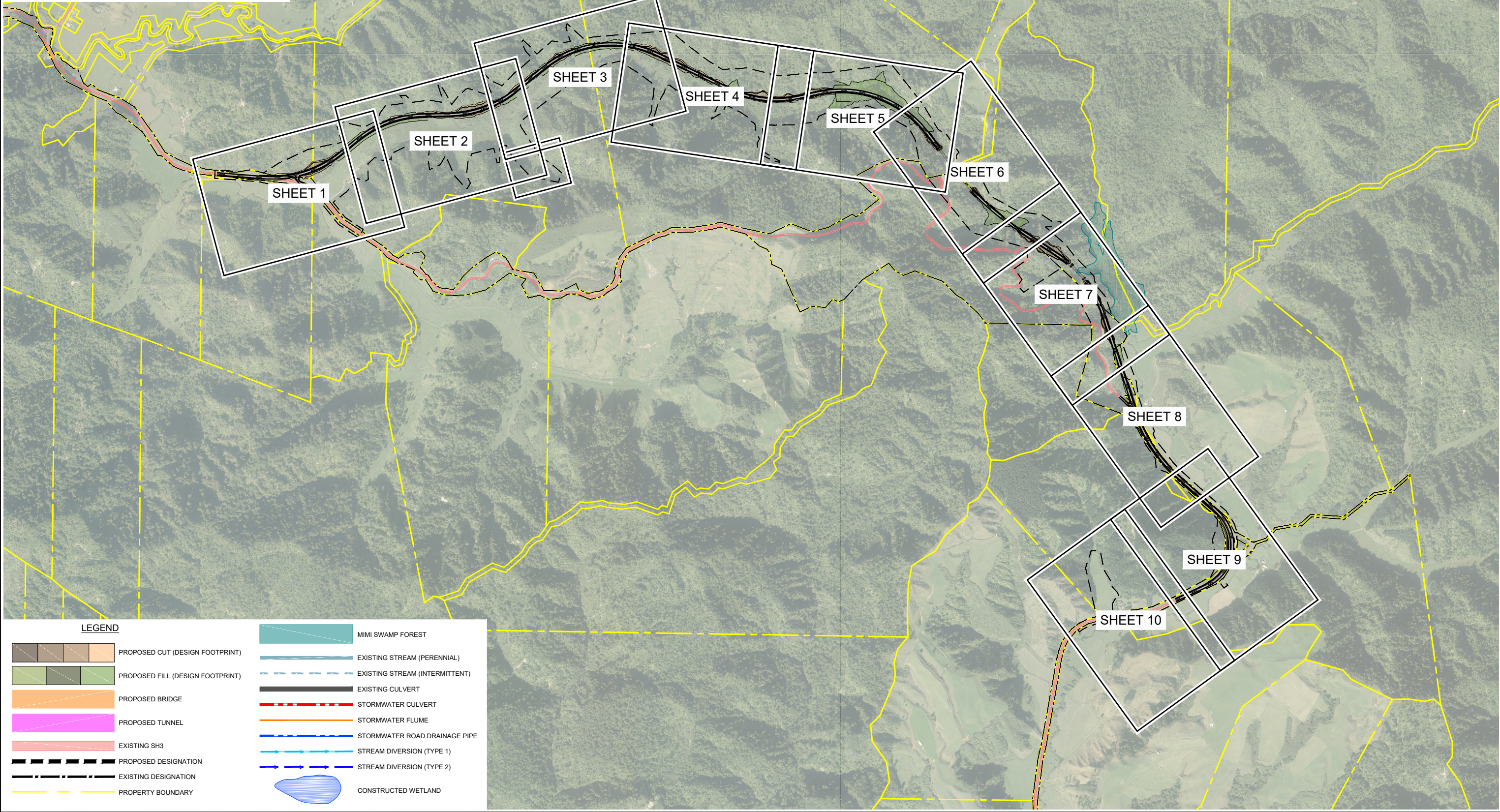


- NOTES
1. COORDINATE SYSTEM: NEW ZEALAND TRANSVERSE MERCATOR 2000 (NZTM2000).
 2. HEIGHT DATUM: TARANAKI 1970 SEA LEVEL (TARAHT 1970).
 3. FOR LONG SECTIONS SEE DRAWINGS MMA-DES-GEM-C0-DRG-2001_2009.
 4. FOR CROSS SECTIONS SEE DRAWINGS MMA-DES-GEM-C0-DRG-3011_3014.
 5. FOR DRAINAGE DESIGN SEE DRAWINGS MMA-DES-DNG-C0-DRG-1000_1010.
 6. FOR TUNNEL DESIGN SEE DRAWINGS MMA-DES-TUN-C0-DRG-1001.
 7. FOR BRIDGE DESIGN SEE DRAWINGS MMA-DES-STR-C0-1101_1103.
 8. FOR LANDSCAPE CONCEPT SEE DRAWINGS MMA-DES-UDL-C0-1000_1010.
 9. FOR DESIGNATION PLANS SEE MMA-DES-PRP-C0-1000_1004.

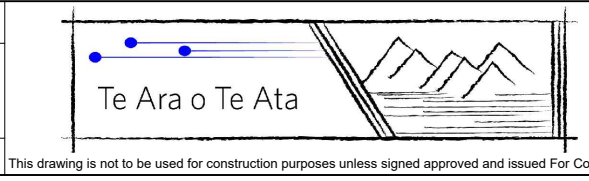


LEGEND

	PROPOSED CUT (DESIGN FOOTPRINT)		MIMI SWAMP FOREST
	PROPOSED FILL (DESIGN FOOTPRINT)		EXISTING STREAM (PERENNIAL)
	PROPOSED BRIDGE		EXISTING STREAM (INTERMITTENT)
	PROPOSED TUNNEL		EXISTING CULVERT
	EXISTING SH3		STORMWATER CULVERT
	PROPOSED DESIGNATION		STORMWATER FLUME
	EXISTING DESIGNATION		STORMWATER ROAD DRAINAGE PIPE
	PROPERTY BOUNDARY		STREAM DIVERSION (TYPE 1)
			STREAM DIVERSION (TYPE 2)
			CONSTRUCTED WETLAND

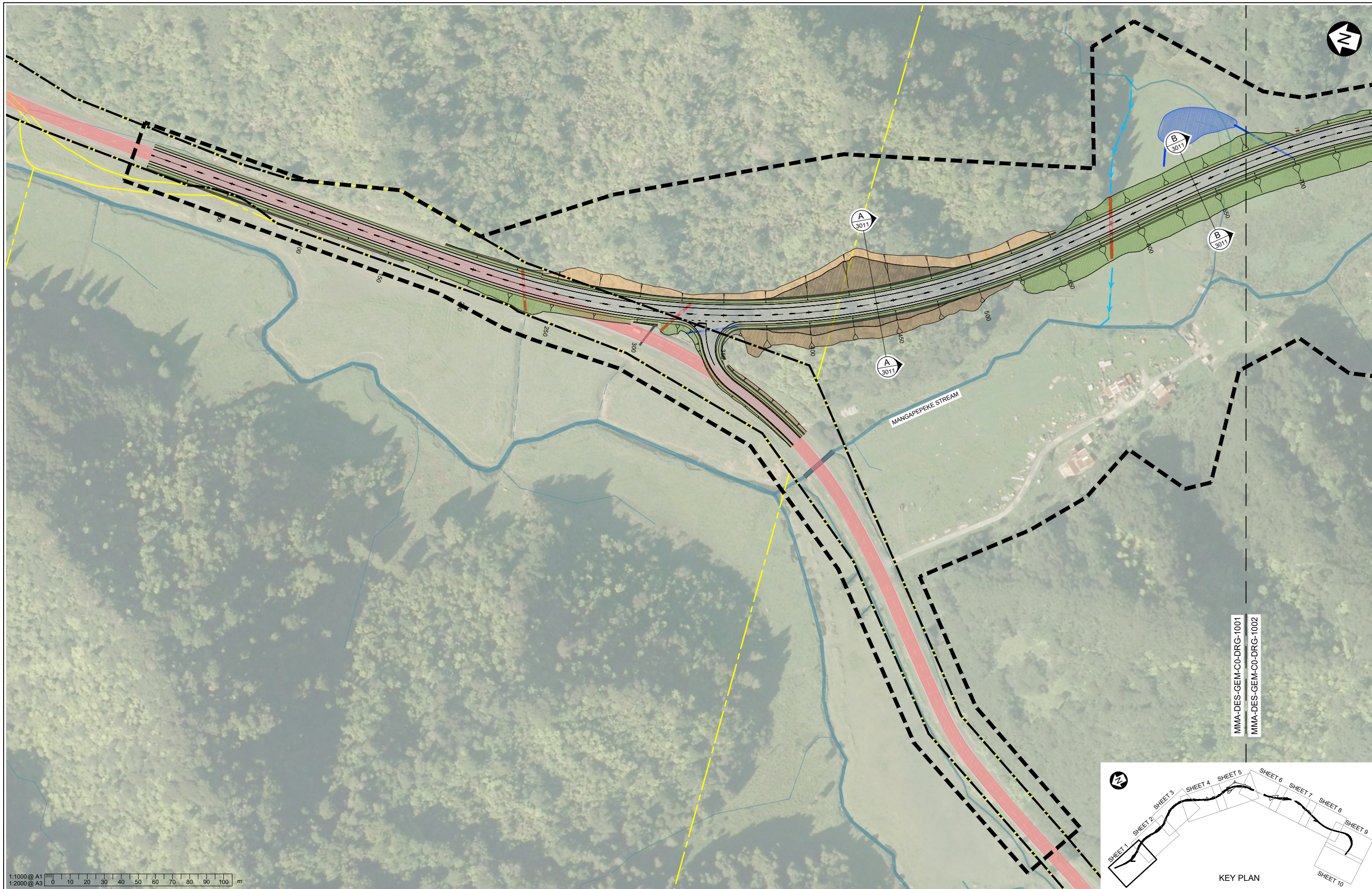
Rev	Revision Description	QDO'S	WHE	GC	LG	LG	14/11/2017	Date
A	FOR CONSENT							

Tab MMA-DES-GEM-C0-DRG-1000
Scales NOT TO SCALE
Original Size A1



MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET LAYOUT

Approved D.KENDERDINE
Status FOR CONSENT
Drawing Number MMA-DES-GEM-C0-DRG-1000
Revision A



1:1000 @ A1
1:2000 @ A3

Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab MMA-DES-GEM-C0-DRG-1001
Scales 1:2000 (A3) 1:1000 (A1)
Original Size A1

Te Ara o Te Ata

This drawing is not to be used for construction purposes unless signed approved and issued For Construction

MT MESSENGER BYPASS

GEOMETRICS

GENERAL ARRANGEMENT

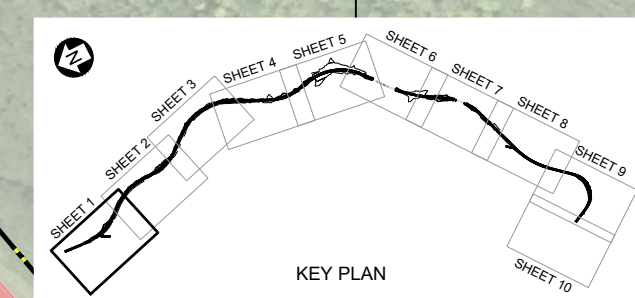
SHEET 1

Approved
D.KENDERDINE

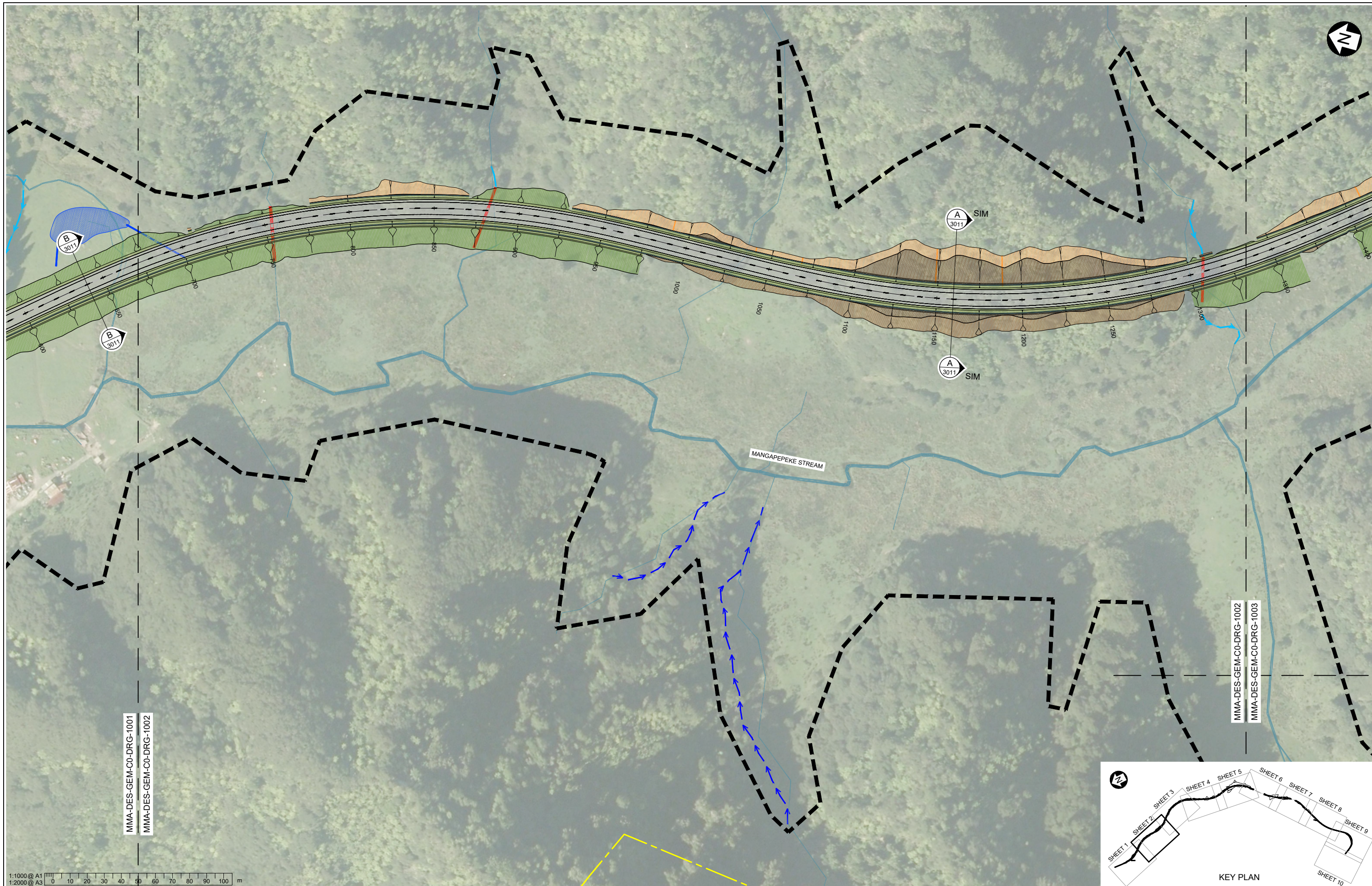
Status
FOR CONSENT

Drawing Number
MMA-DES-GEM-C0-DRG-1001

Revision
A



MMA-DES-GEM-C0-DRG-1001
MMA-DES-GEM-C0-DRG-1002



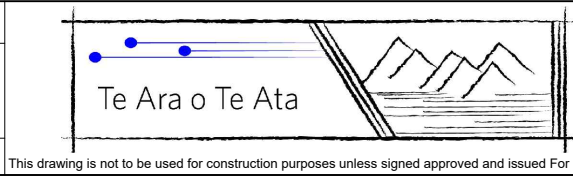
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MMA-DES-GEM-C0-DRG-1002

MMA-DES-GEM-C0-DRG-1002
MMA-DES-GEM-C0-DRG-1003

1:1000 @ A1
1:2000 @ A3
0 10 20 30 40 50 60 70 80 90 100 m

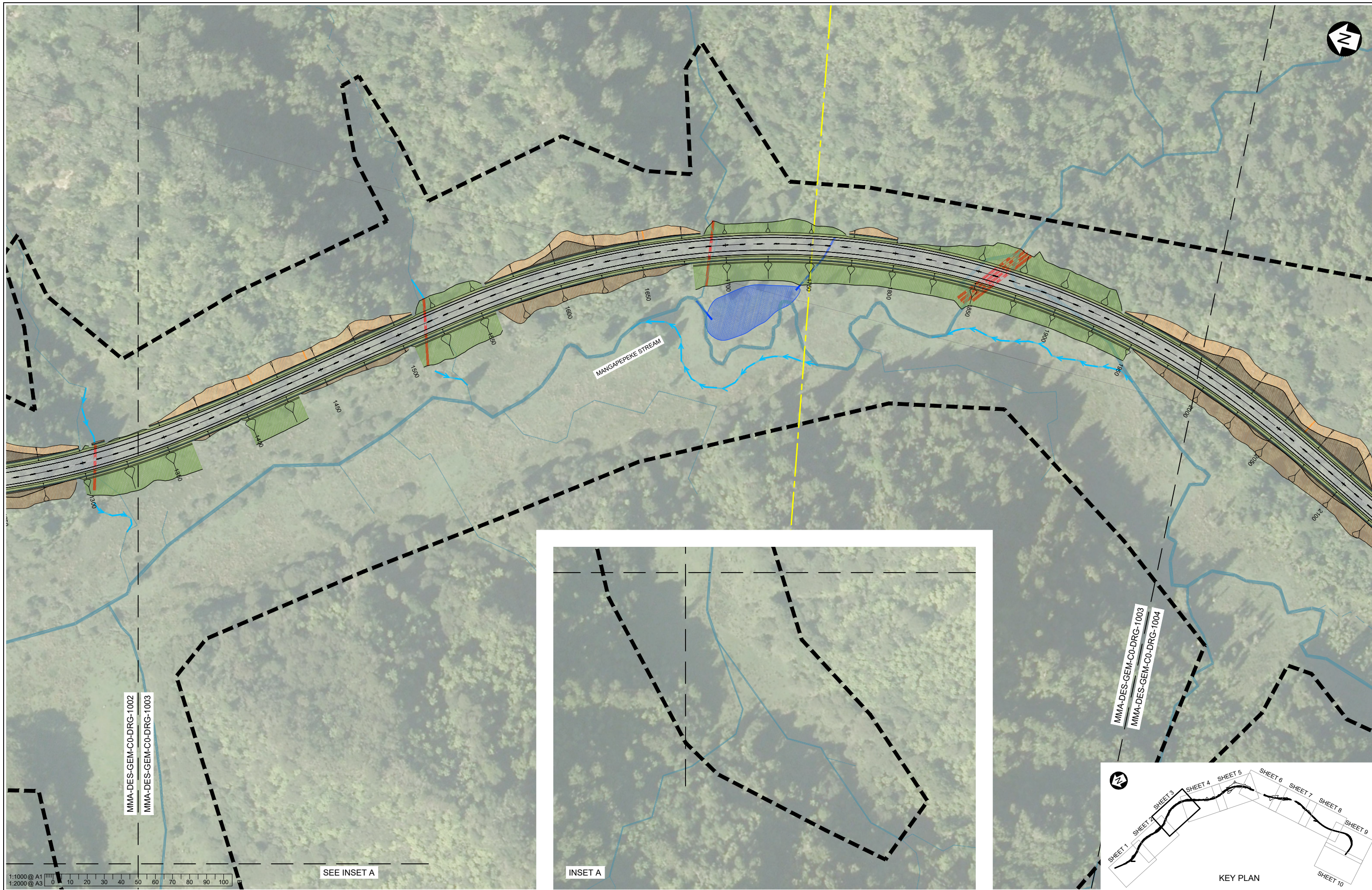
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab MMA-DES-GEM-C0-DRG-1002
Scales 1:2000 (A3) 1:1000 (A1)
Original Size A1



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GEOMETRICS
GENERAL ARRANGEMENT
SHEET 2

Approved D.KENDERDINE	Revision A
Status FOR CONSENT	
Drawing Number MMA-DES-GEM-C0-DRG-1002	



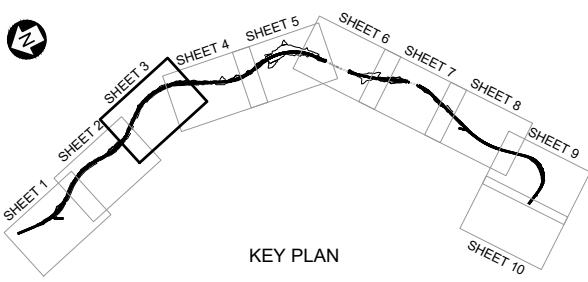
MMA-DES-GEM-C0-DRG-1002
MMA-DES-GEM-C0-DRG-1003

MMA-DES-GEM-C0-DRG-1003
MMA-DES-GEM-C0-DRG-1004

1:1000 @ A1
1:2000 @ A3

SEE INSET A

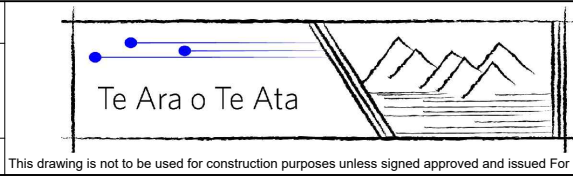
INSET A



KEY PLAN

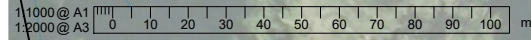
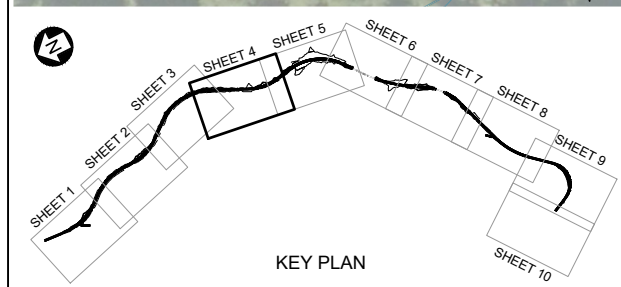
Rev	Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab	MMA-DES-GEM-C0-DRG-1003
Scales	1:2000 (A3) 1:1000 (A1)
Original Size	A1



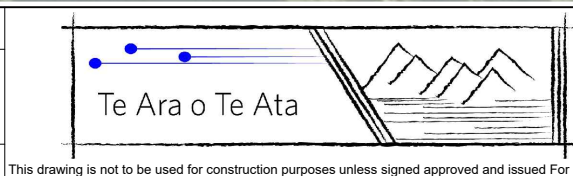
MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 3

Approved	D.KENDERDINE
Status	FOR CONSENT
Drawing Number	MMA-DES-GEM-C0-DRG-1003
Revision	A



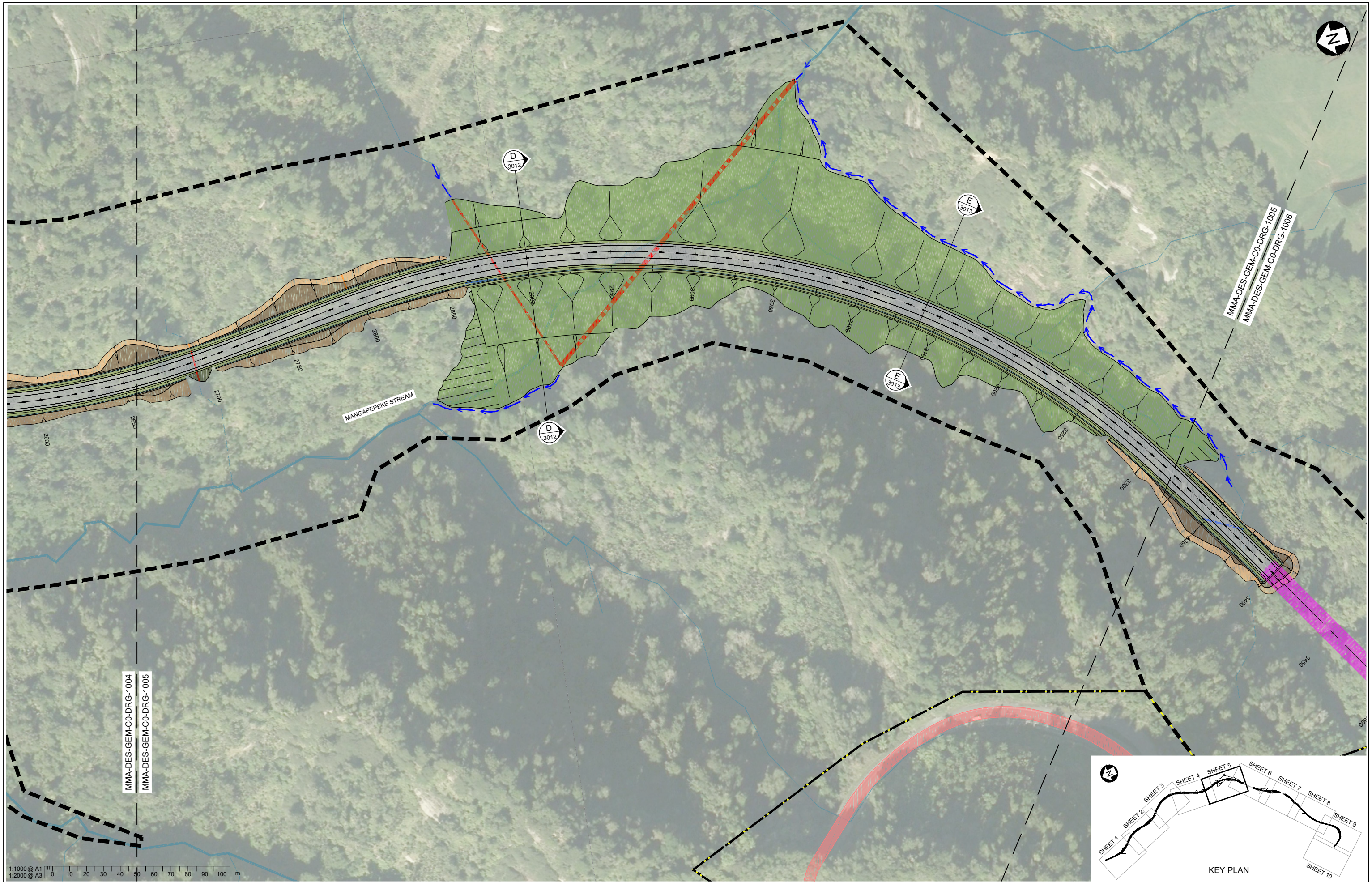
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab	MMA-DES-GEM-CO-DRG-1004
Scales	1:2000 (A3) 1:1000 (A1)
Original Size	A1



MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 4

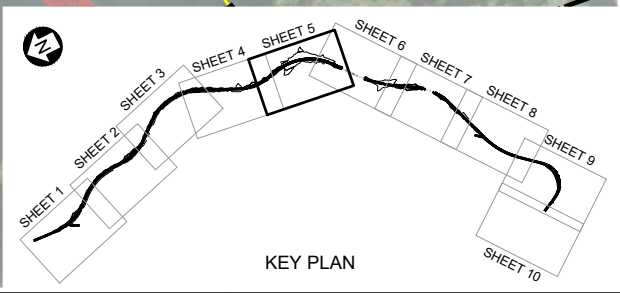
Approved	D.KENDERDINE
Status	FOR CONSENT
Drawing Number	MMA-DES-GEM-CO-DRG-1004
Revision	A



MMA-DES-GEM-C0-DRG-1004
MMA-DES-GEM-C0-DRG-1005

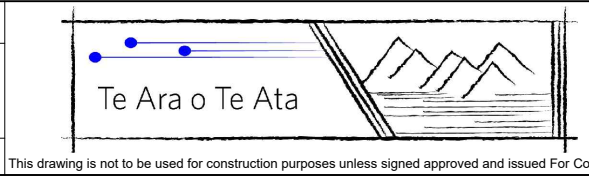
MMA-DES-GEM-C0-DRG-1005
MMA-DES-GEM-C0-DRG-1006

1:1000 @ A1
1:2000 @ A3
0 10 20 30 40 50 60 70 80 90 100 m



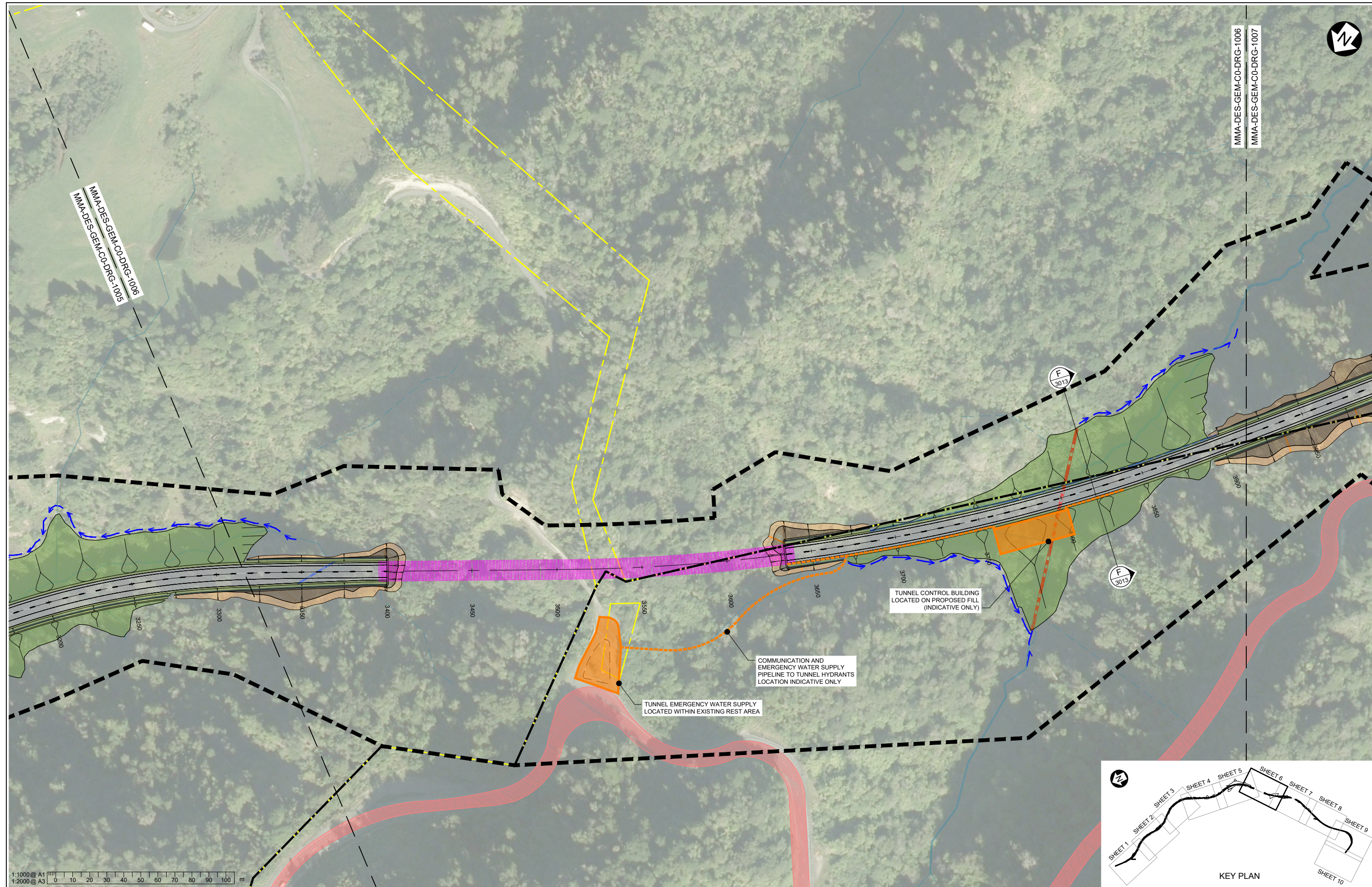
Rev	Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab	MMA-DES-GEM-C0-DRG-1005
Scales	1:2000 (A3) 1:1000 (A1)
Original Size	A1



MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 5

Approved	D.KENDERDINE
Status	FOR CONSENT
Drawing Number	MMA-DES-GEM-C0-DRG-1005
Revision	A



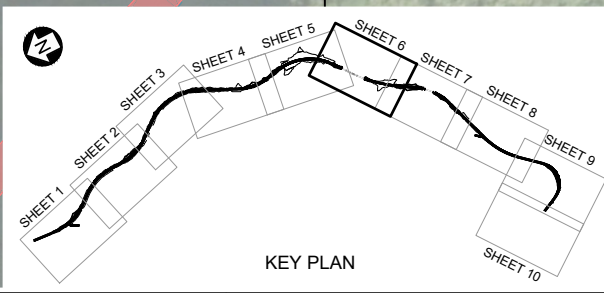
MMA-DES-GEM-C0-DRG-1006
MMA-DES-GEM-C0-DRG-1007

MMA-DES-GEM-C0-DRG-1006
MMA-DES-GEM-C0-DRG-1005

TUNNEL CONTROL BUILDING
LOCATED ON PROPOSED FILL
(INDICATIVE ONLY)

COMMUNICATION AND
EMERGENCY WATER SUPPLY
PIPELINE TO TUNNEL HYDRANTS
LOCATION INDICATIVE ONLY

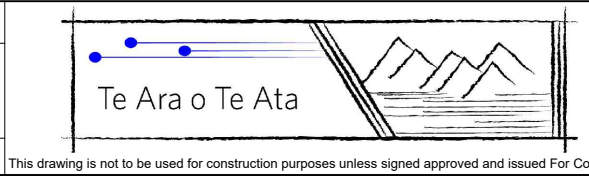
TUNNEL EMERGENCY WATER SUPPLY
LOCATED WITHIN EXISTING REST AREA



1:1000 @ A1
1:2000 @ A3
0 10 20 30 40 50 60 70 80 90 100 m

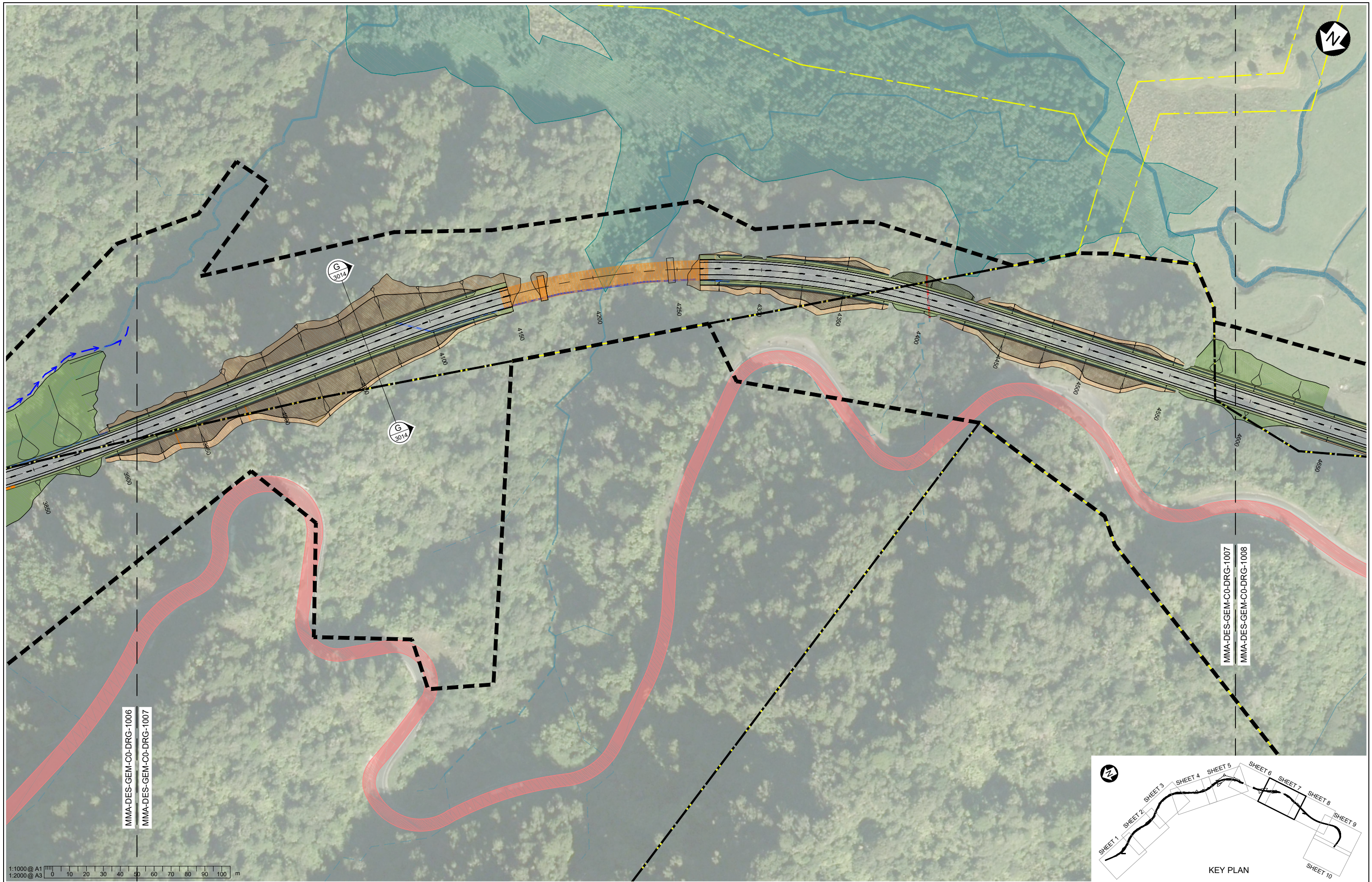
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab MMA-DES-GEM-C0-DRG-1006
Scales 1:2000 (A3) 1:1000 (A1)
Original Size A1



MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 6

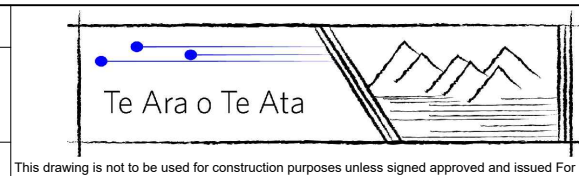
Approved D.KENDERDINE	Revision A
Status FOR CONSENT	
Drawing Number MMA-DES-GEM-C0-DRG-1006	



1:1000 @ A1
1:2000 @ A3

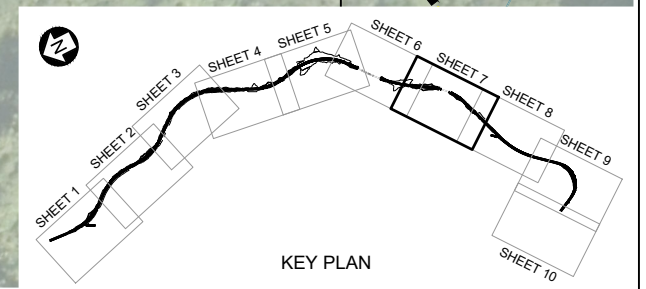
Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

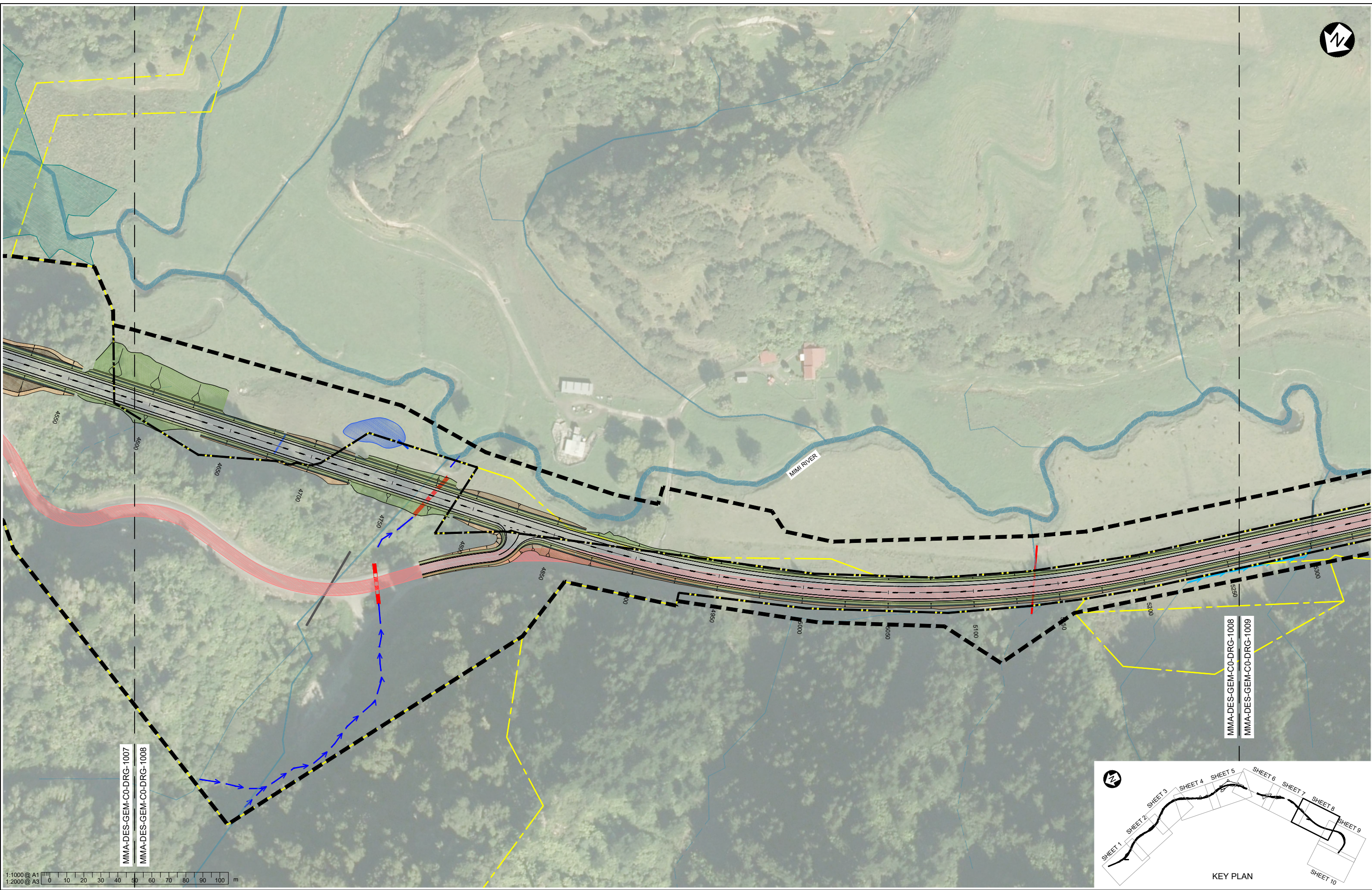
Tab MMA-DES-GEM-CO-DRG-1007
Scales 1:2000 (A3) 1:1000 (A1)
Original Size A1



MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 7

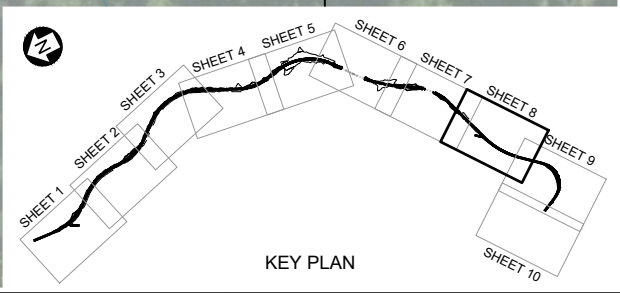
Approved D.KENDERDINE	Revision A
Status FOR CONSENT	
Drawing Number MMA-DES-GEM-CO-DRG-1007	





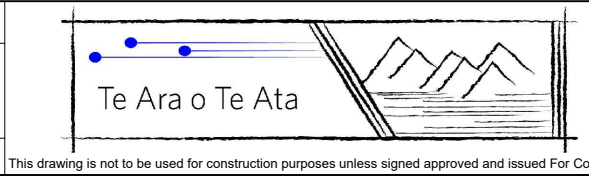
MMA-DES-GEM-CO-DRG-1007
MMA-DES-GEM-CO-DRG-1008

MMA-DES-GEM-CO-DRG-1008
MMA-DES-GEM-CO-DRG-1009



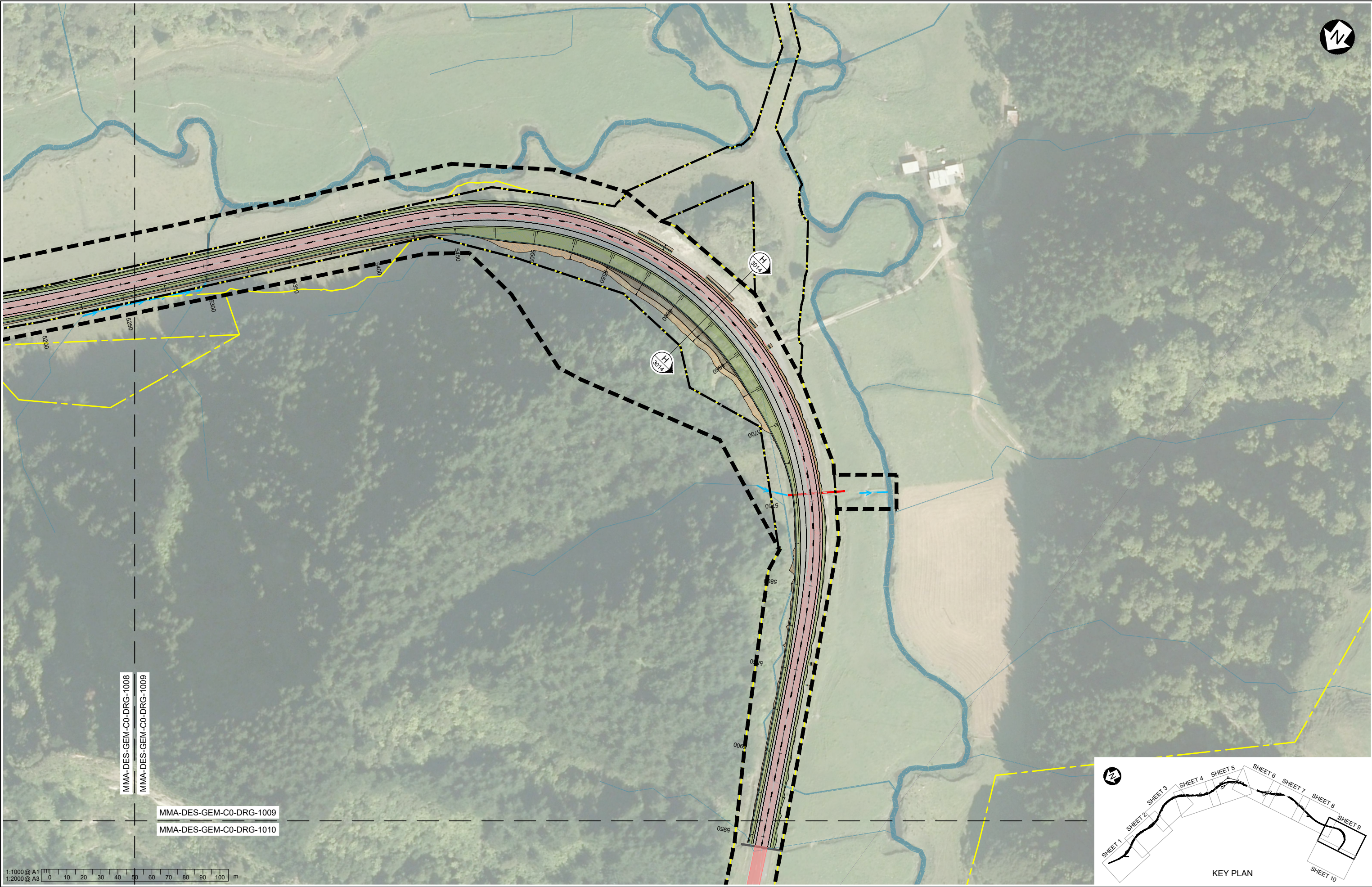
Rev	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017
Drawn		Drawn	Checked	Designed	Design Checked	Approved	Date

Tab	MMA-DES-GEM-CO-DRG-1008
Scales	1:2000 (A3) 1:1000 (A1)
Original Size	A1



MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 8

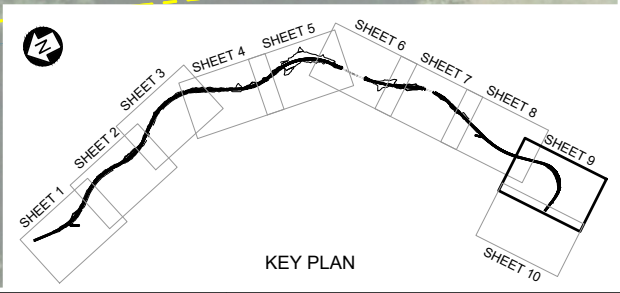
Approved
D.KENDERDINE
Status
FOR CONSENT
Drawing Number
MMA-DES-GEM-CO-DRG-1008
Revision
A



MMA-DES-GEM-C0-DRG-1008
MMA-DES-GEM-C0-DRG-1009

MMA-DES-GEM-C0-DRG-1009
MMA-DES-GEM-C0-DRG-1010

1:1000 @ A1
1:2000 @ A3
0 10 20 30 40 50 60 70 80 90 100 m



Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab MMA-DES-GEM-C0-DRG-1009
Scales 1:2000 (A3) 1:1000 (A1)
Original Size A1

Te Ara o Te Ata

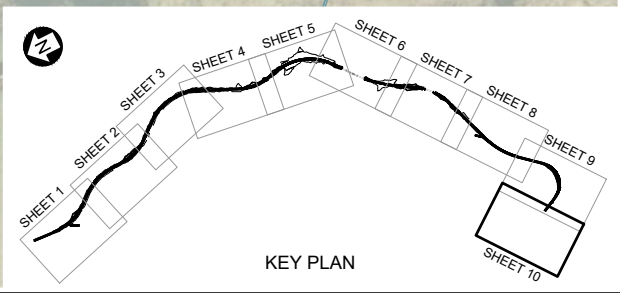
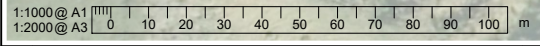
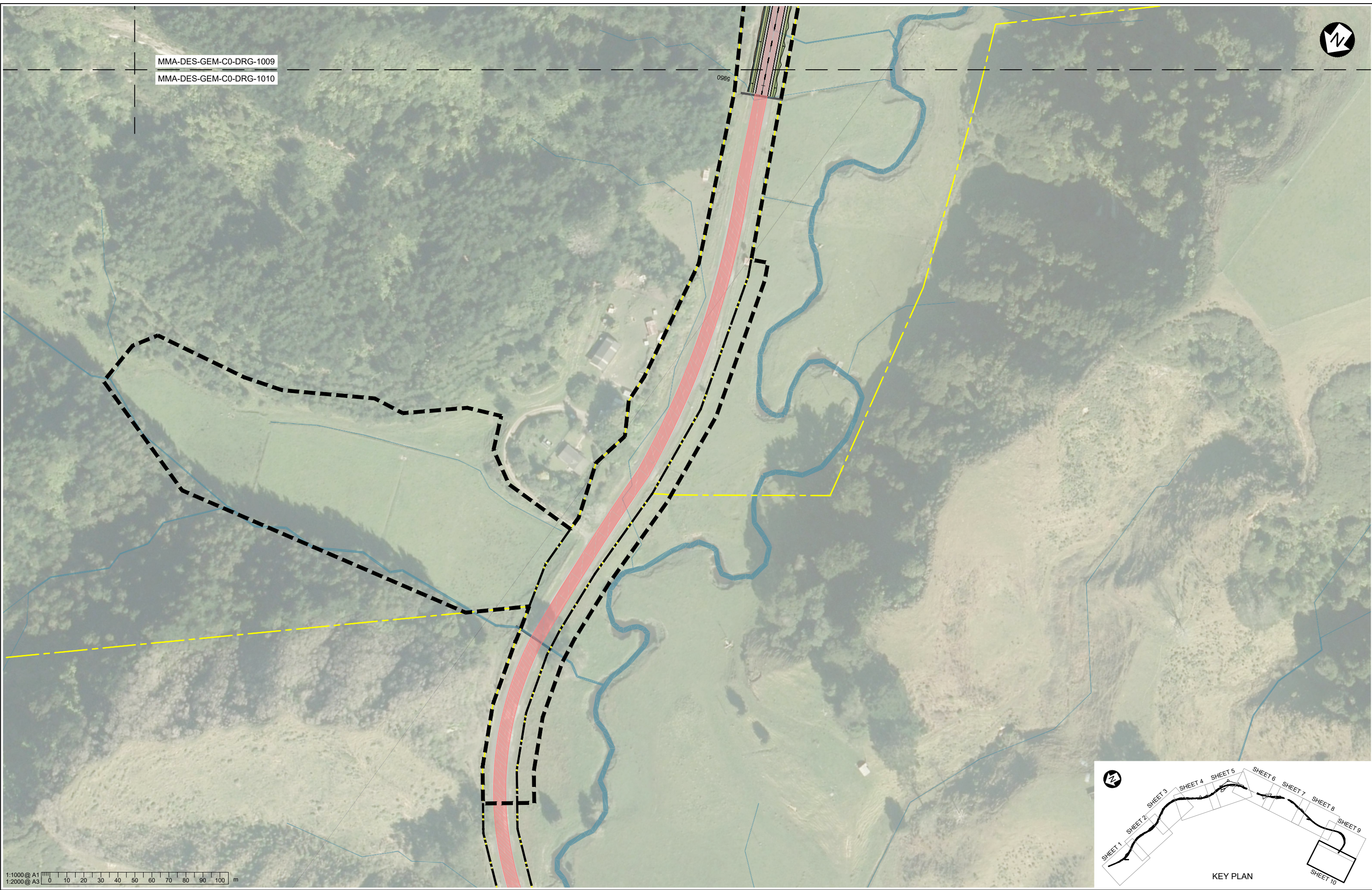
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MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 9

Approved D.KENDERDINE	Revision A
Status FOR CONSENT	
Drawing Number MMA-DES-GEM-C0-DRG-1009	

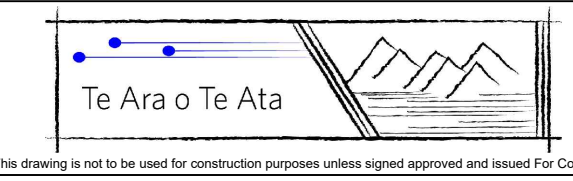
MMA-DES-GEM-C0-DRG-1009

MMA-DES-GEM-C0-DRG-1010



Rev	Revision Description	Drawn	Checked	Designed	Design Checked	Approved	Date
A	FOR CONSENT	QDO'S	WHE	GC	LG	LG	14/11/2017

Tab MMA-DES-GEM-C0-DRG-1010
Scales 1:2000 (A3) 1:1000 (A1)
Original Size A1



MT MESSENGER BYPASS
GEOMETRICS
GENERAL ARRANGEMENT
SHEET 10

Approved D.KENDERDINE	Revision A
Status FOR CONSENT	
Drawing Number MMA-DES-GEM-C0-DRG-1010	