

APPENDIX B – GENERAL ARRANGEMENT PLANS

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

A. GENERAL NOTES

1. ALL NOTES HEREIN SHALL FORM PART OF THE CONTRACT.
2. ALL NOTES SHALL BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS AND ALL DESIGN DRAWINGS APPLICABLE TO THE CONTRACT.
3. ALL WORKS SHALL BE CONSTRUCTED AS DETAILED IN ALL DESIGN DRAWINGS AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT'S SPECIFICATIONS.
4. THE CONTRACTOR MUST CHECK ALL DESIGN DRAWINGS AND IDENTIFY ANY INCONSISTENCIES BETWEEN THE DESIGN DRAWINGS AND AGAINST THE CONTRACT SPECIFICATIONS, BASIS OF PAYMENT AND SCHEDULE OF PRICES IN ADVANCE AND PRIOR TO ANY CONSTRUCTION WORKS. THE CONTRACTOR MUST NOTIFY THE ENGINEER IF THERE ARE ANY INCONSISTENCIES.
5. CONTRACTOR MUST LIAISE WITH ALL SERVICE AUTHORITIES FOR LOCATION OF SERVICES AND OBTAIN CONSENTS IN ADVANCE AND PRIOR TO ANY CONSTRUCTION WORKS.
6. CONTRACTOR TO CARRY OUT DETAILED SERVICES LOCATION PRIOR TO ANY EXCAVATION WORKS.
7. CONTRACTOR MUST INFORM COUNCIL'S ARBORIST FOR ANY WORK UNDER THE DRIPLINE. NOTIFICATION SHALL BE MADE WELL IN ADVANCE OF ANY CONSTRUCTION WORKS.
8. SEE LANDSCAPE PLANS FOR ALL AREAS OF EXISTING GRASS AND/OR PLANTING AFFECTED DURING CONSTRUCTION.

B. SETTING OUT

1. SET-OUT INFORMATION FOR ROAD CENTRELINES, EDGE LINES AND KERB LINES WILL BE SUPPLIED TO THE CONTRACTOR IN 3D ELECTRONIC FORMAT.
2. THE CONTRACTOR MUST CHECK AND VERIFY ALL COORDINATES/LEVELS/DIMENSIONS/SETTING-OUT INFORMATION PRIOR TO COMMENCEMENT OF WORK AND REPORT DISCREPANCIES, IF ANY, IMMEDIATELY TO THE ENGINEER.
3. THE CONTRACTOR MUST TAKE ALL STEPS TO MAKE SURE THAT THE ENGINEER VERIFIES ALL LEVELS AND SETTING-OUTS ON SITE.
4. THE CONTRACTOR MUST UNDERTAKE A SURVEY ON ALL CARRIAGEWAY, FOOTPATH, KERB AND CHANNEL TIE-INS TO PREVENT PONDING. EXTENTS OF WORK MAY EXTEND BEYOND THE LIMITS SHOWN IN THE DESIGN DRAWINGS WITH THE ENGINEER'S APPROVAL.

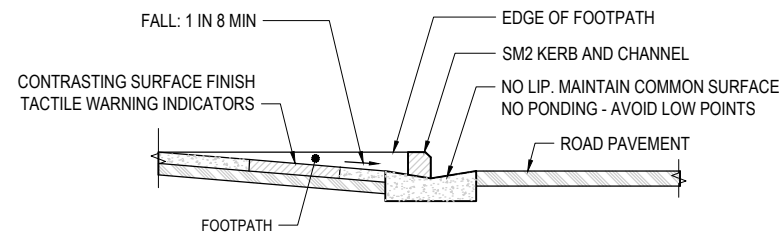
C. ROAD KERB AND CHANNEL, FOOTPATH, CENTRAL MEDIAN AND OTHER ROAD ELEMENTS

1. SITE CLEARANCE SHALL BE CONDUCTED PRIOR TO COMMENCEMENT OF ALL WORKS. REFER TO SITE CLEARANCE PLANS.
2. NEW KERB, CHANNEL AND TRAFFIC ISLAND KERBING ALONG SH16 SHALL BE SEMI-MOUNTABLE, (SM1 AND SM2 KERB PROFILE). FOR DETAILS OF KERB AND CHANNEL, REFER TO DRAINAGE PLANS.
3. NEW TRAFFIC ISLAND KERBING TO BE TO BE PAINTED REFLECTORISED WHITE IN ACCORDANCE WITH MOTSAM, PART2, RAISED ISLANDS.
4. NEW TRAFFIC ISLANDS INFILL TO BE 20MPa RED MCCALLUM CONCRETE 100mm DEEP OVER 100mm DEEP OF COMPACTED BASECOURSE (AP40).
5. NEW FOOTPATHS TO BE 20MPa CONCRETE 100mm DEEP OVER 100mm DEEP OF COMPACTED BASECOURSE (AP40).
6. NEW PEDESTRIAN PRAM CROSSINGS TO BE 2m WIDE WITH TACTILE INDICATORS CONSTRUCTED IN ACCORDANCE WITH NZTA RTS-14 - GUIDELINES FOR FACILITIES FOR BLIND AND VISION IMPAIRED PEDESTRIANS .
7. NEW PRAM CROSSINGS TO BE 20MPa CONCRETE 100mm DEEP OVER 100mm DEPTH OF COMPACTED BASECOURSE (AP40).
8. ALL SAWN CONCRETE JOINTS MUST BE SAWCUT NEATLY. SAWCUTTING SHALL GENERALLY BE SQUARE TO THE KERB AND CARRIAGEWAY ALIGNMENT. DRY CUTTING IS NOT PERMITTED.
9. BASECOURSE SHALL BE PLACED AND COMPACTED TO ACHIEVE A MINIMUM CLEGG IMPACT VALUE OF 12 FOR CONCRETE FOOTPATHS AND A MINIMUM CIV OF 17 FOR ASPHALT FOOTPATHS.
10. ALL PATH EDGES SHALL BE CONSTRUCTED FLUSH WITH THE ADJACENT GROUND TO AVOID CREATING PEDESTRIAN TRIP HAZARDS. ADJACENT GROUND MAY NEED TO BE RAISED OR LOWERED TO ACHIEVE THIS.
11. NEW KERBS ADJACENT TO GRASS BERM OR PLANTING BEDS TO BE MORTAR POINTED BEFORE REINSTATEMENT WITH TOPSOIL, MULCH ETC.
12. BATTER SLOPES ARE TO MATCH THE EXISTING GROUND. EITHER IN 1:3 OR SLIGHTLY STEEPER DEPENDING ON THE ROADSIDE CONDITION OF THE LOCATION. FOR STEEPENED SLOPES, CONTRACTOR TO UNDERTAKE GROUND TESTING, HAND AUGERS AND/OR SHEAR VANES AT THE DIRECTION OF THE ENGINEER. ENGINEER THEN SHALL ASSESS THE FINDINGS AND INSTRUCT IF FURTHER SLOPE STABILISATION WILL BE REQUIRED.
13. WIRE ROPE SAFETY BARRIERS ARE PROPOSED ALONG THE FLUSH MEDIAN AND AS EDGE BARRIER AT SOME LOCATIONS. IN OTHER LOCATIONS, W BEAM GUARDRAILS ARE ALSO PROPOSED AS EDGE BARRIER. FOR PROPOSED SAFETY BARRIERS, REFER TO BARRIER DRAWINGS.

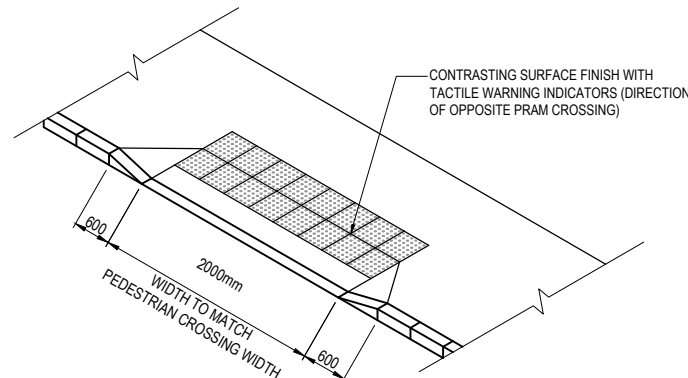
D. ACCESSWAY

1. ALL ACCESSWAYS ALONG THE CORRIDOR SHALL BE MAINTAINED AS THE EXISTING UNLESS ANNOTATED OTHERWISE ON THE GENERAL ARRANGEMENT PLANS. TYPICALLY, DETAILED LAYOUTS SHALL FOLLOW EITHER DIAGRAM D FOR ALL RESIDENTIAL AND LIGHT COMMERCIAL PROPERTIES OR DIAGRAM E FOR HEAVY COMMERCIAL PROPERTIES ACCORDING TO NZTA PLANNING POLICY MANUAL, APPENDIX 5B ACCESSWAY STANDARDS AND GUIDELINES.
2. REFER TO PAVEMENT AND SURFACING DRAWINGS FOR ACCESSWAY CONSTRUCTION.

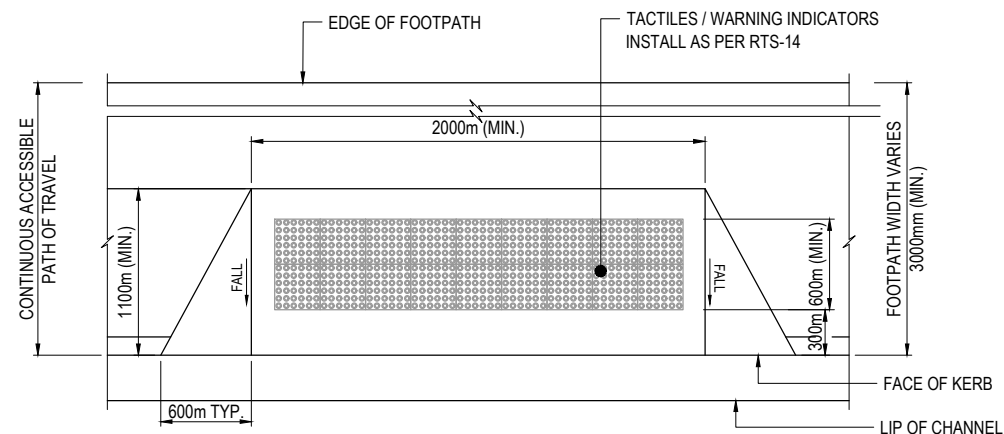
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 LEVELS ARE IN TERMS OF NZVD2016.
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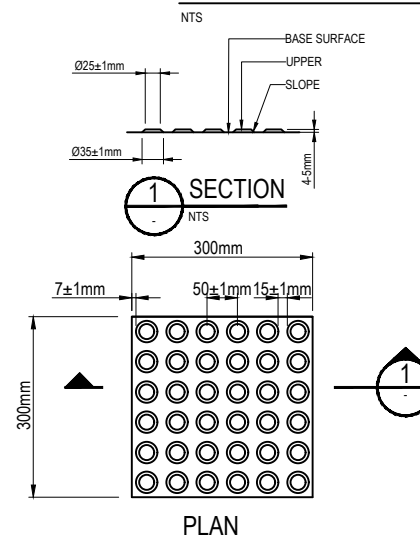
A TYPICAL CROSS SECTION THROUGH PRAM CROSSING
 SCALE 1:25



B TYPICAL FINISH TO KERB RAMPS
 SCALE 1:50



PRAM CROSSING WITH TACTILE WARNING INDICATOR



TYPICAL DETAIL OF TACTILE GROUND SURFACE INDICATORS (TGS)
 NTS

LEGEND

- EXISTING PROPERTY BOUNDARY
- 499 PROPERTY NUMBER
- - - ROAD / RAIL DESIGNATION BOUNDARY
- 196700 CHAINAGE
- 016-0019-B/6.5 ROUTE POSITION (RP)
- PROPOSED KERB AND CHANNEL
- PROPOSED KERB AND NIB
- PROPOSED V-DISH CHANNEL
- PROPOSED LIGHT POLE
- RTW NEW RETAINING WALL
- EXISTING GUARDRAIL TO BE RETAINED
- WR4 PROPOSED TL-4 WIRE ROPE BARRIER
- W-S4 PROPOSED TL-4 W-SECTION BARRIER
- T-B4 PROPOSED THRIE BEAM BARRIER
- T-B4 EXISTING THRIE BEAM BARRIER TO BE RETAINED
- W-SECTION BARRIER LEADING TERMINAL
- W-SECTION BARRIER TRAILING TERMINAL
- WIRE ROPE BARRIER TERMINAL ANCHOR
- NEW STORMWATER MANHOLE
- NEW CATCHPIT
- EXISTING ROAD SIGN TO BE RETAINED
- NEW ROAD SIGN
- NEW CONCRETE FOOTPATH
- NEW PRAM CROSSING
- NEW TIMBER FENCE, REFER TO ACCOMMODATION WORK DRAWINGS
- NEW STOCK FENCE, REFER TO ACCOMMODATION WORK DRAWINGS

ORIGINAL DRAWING
IN COLOUR

0	FOR TENDER	VDLT	CH	LDB	14.06.19
No.	Revision	By	Chk	Appd	Date

Original Scale (A3)	Design	JZ	26.04.19	Approved For Construction*
NTS	Drawn	VDLT	26.04.19	
	Design Checker	CH	26.04.19	
	Design Checker	AH	26.04.19	Date -

* Refer to Revision 1 for Original Signature



Project: SH16 - SAFETY IMPROVEMENTS STAGE 1 HUAPAI TO WAIMAUKU

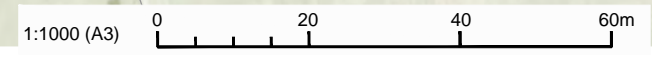
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Status: **FOR TENDER**
 Drawing No. SR1003 - 01 - VE - 1200
 Rev. 0

100mm
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



NOTES:
1. REFER TO SR1003-01-VE-1200 FOR LEGEND AND GENERAL NOTES



No.	Revision	By	Chk	Appd	Date
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	Dig Check	AH	26.04.19	Date -

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Project: SH16 - SAFETY IMPROVEMENTS STAGE 1 HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN SHEET 1 OF 11

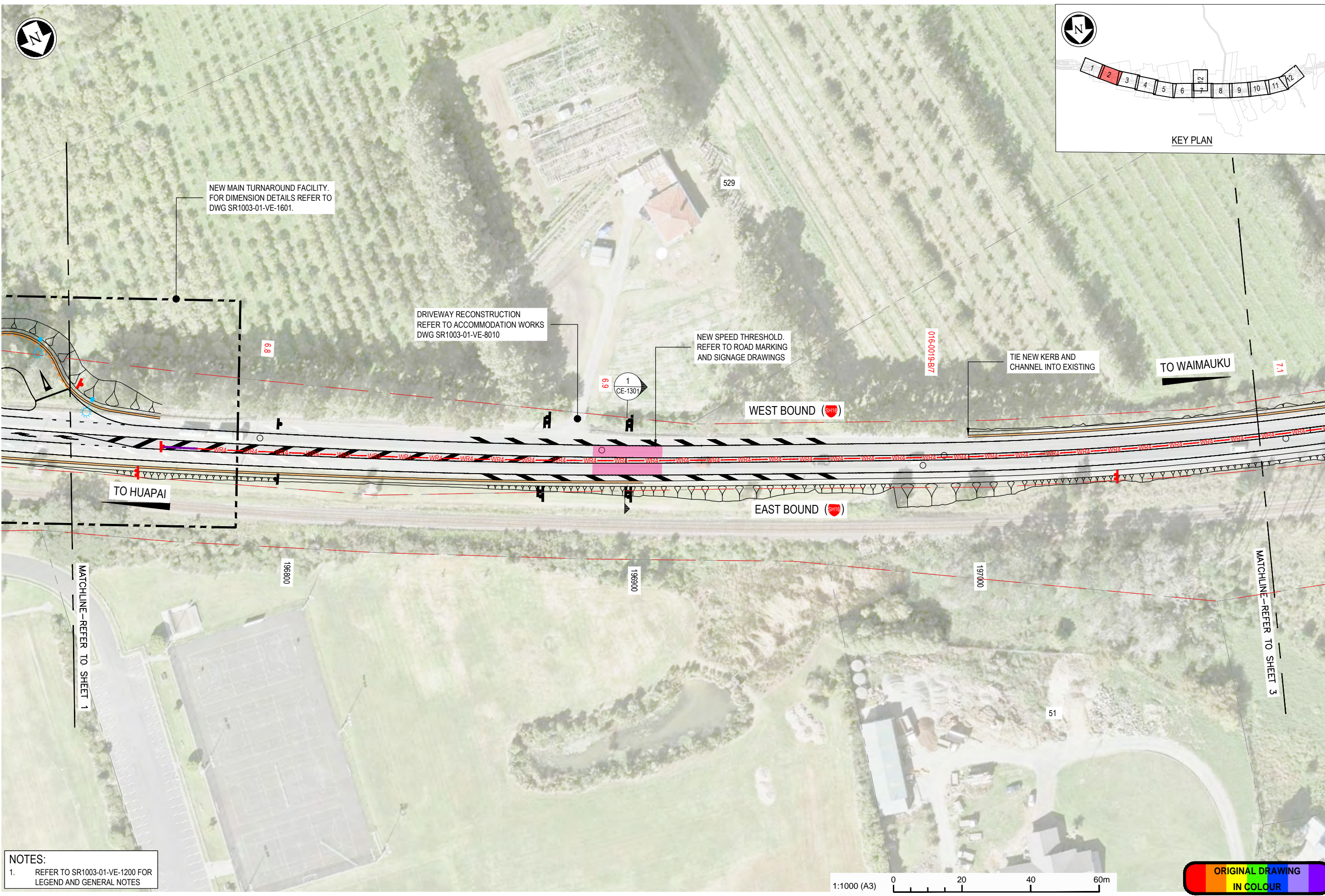
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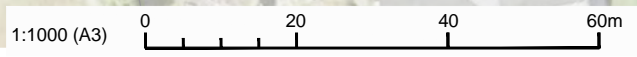
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SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



NOTES:
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No.	Revision	By	CHK	Appd	Date
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Project: SH16 - SAFETY IMPROVEMENTS
STAGE 1
HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
SHEET 2 OF 11

Status: **FOR TENDER**
Drawing No: SR1003 - 01 - VE - 1202
Rev: 0

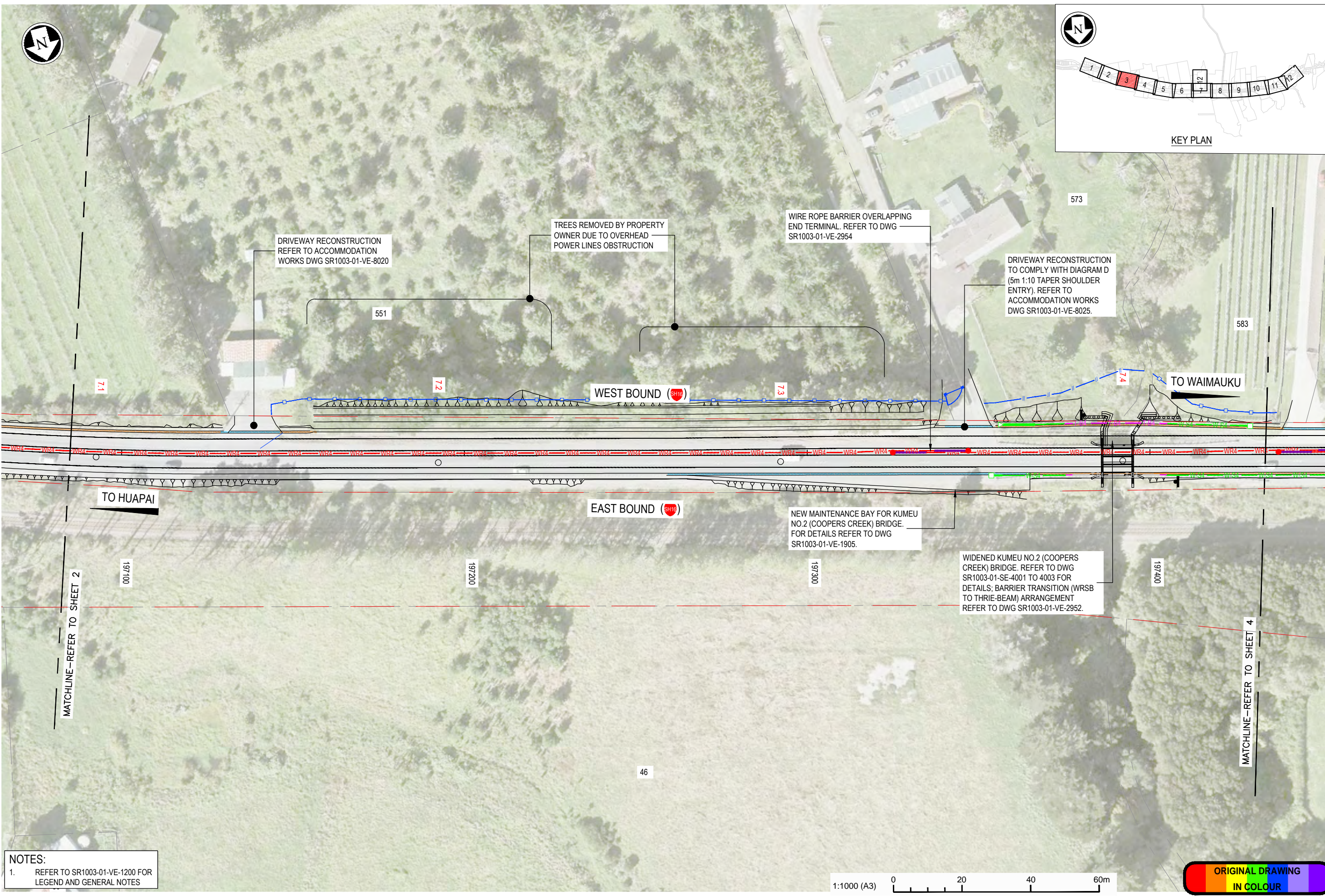
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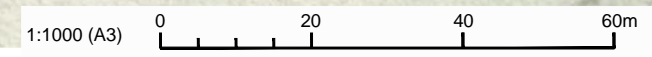
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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100mm



NOTES:
 1. REFER TO SR1003-01-VE-1200 FOR LEGEND AND GENERAL NOTES



No.	Revision	By	Chk	Appd	Date
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Project: **STAGE 1 HUAPAI TO WAIMAUKU**

Title: **GENERAL ARRANGEMENT PLAN SHEET 3 OF 11**

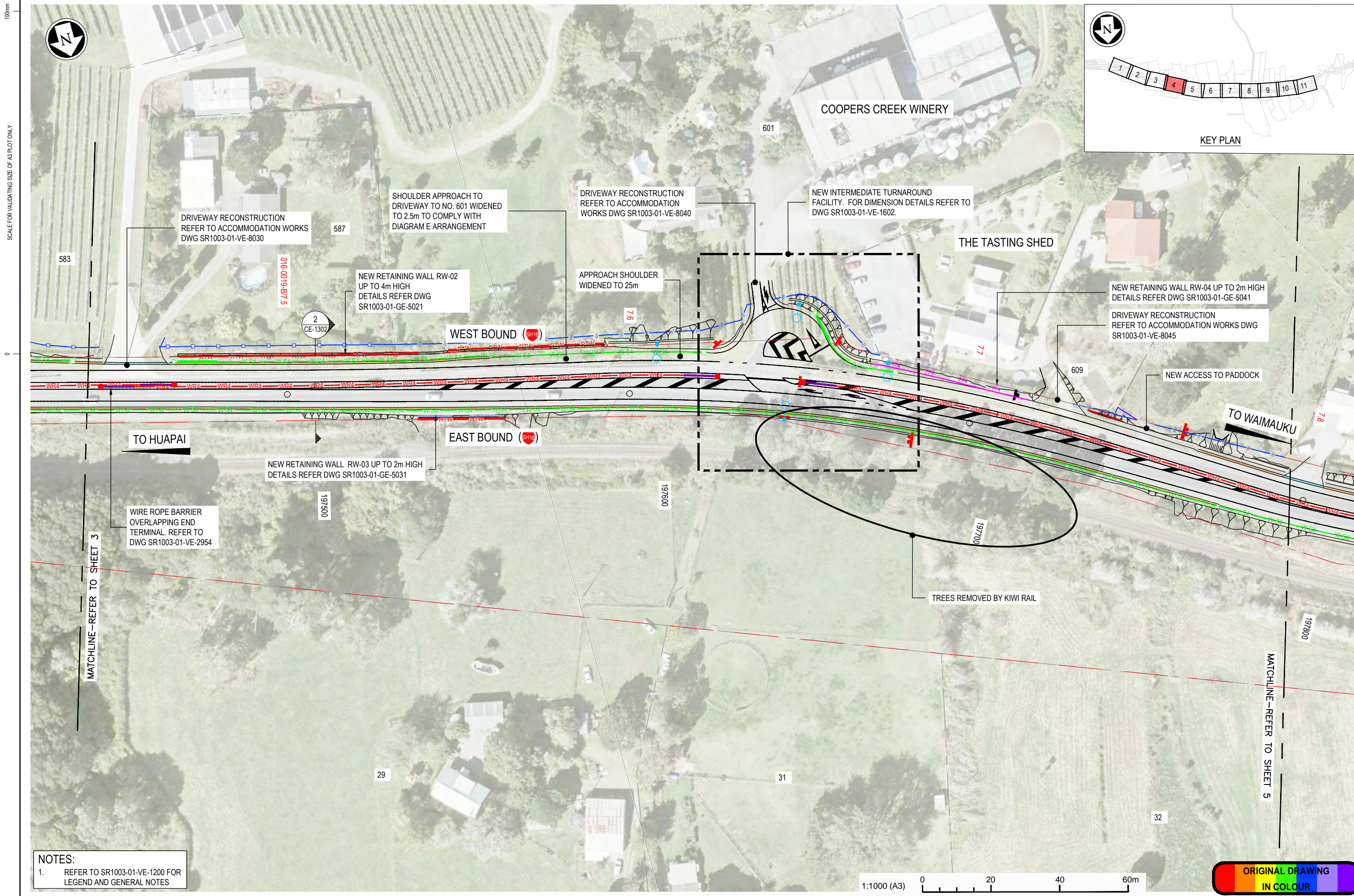
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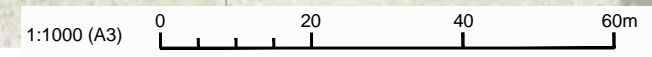
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SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



NOTES:
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ORIGINAL DRAWING
IN COLOUR

No.	Revision	By	Chk	Appd	Date	
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Project: SH16 - SAFETY IMPROVEMENTS
 STAGE 1
 HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
 SHEET 4 OF 11

Status: **FOR TENDER**
 Drawing No. SR1003 - 01 - VE - 1204
 Rev. 0

DO NOT SCALE

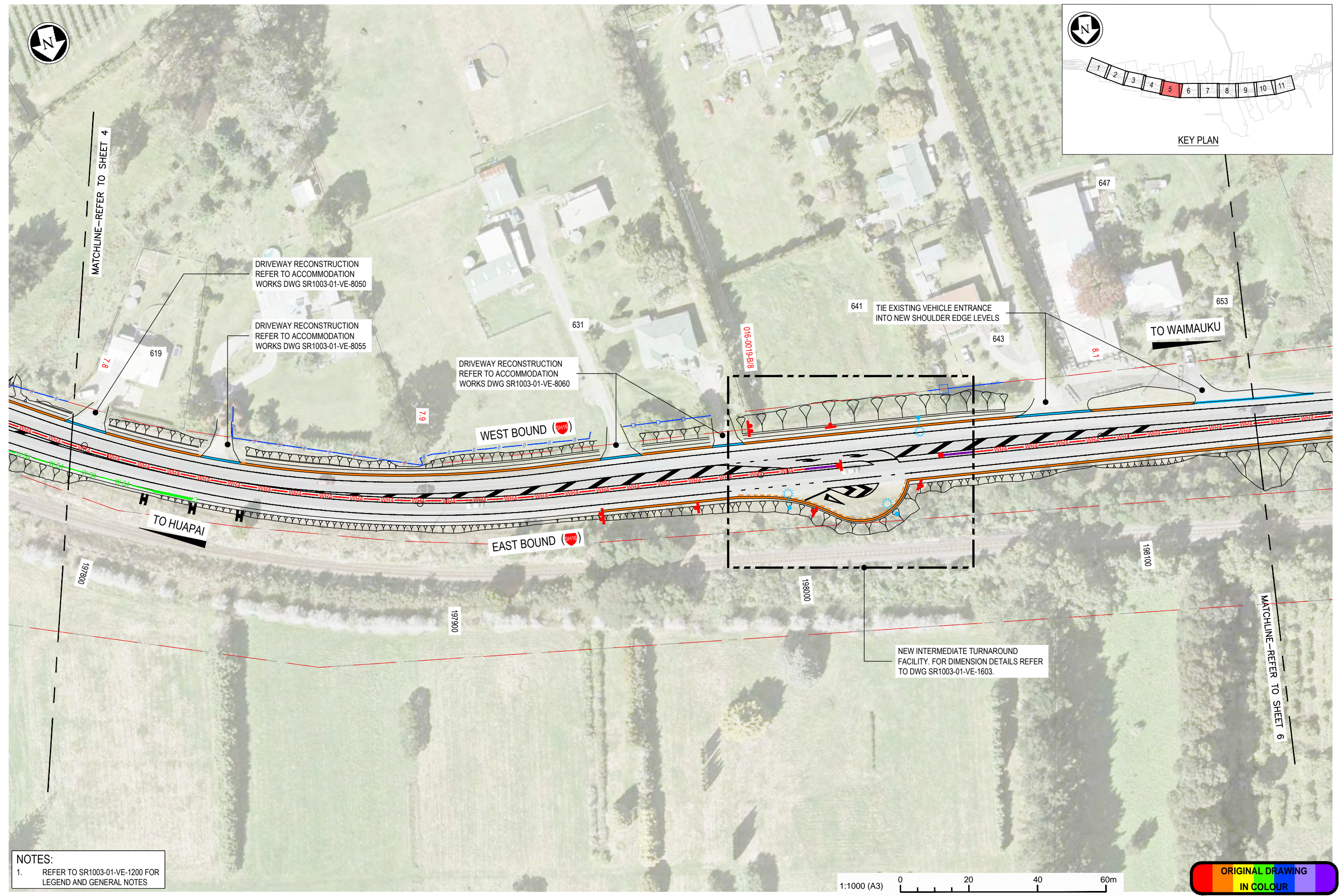
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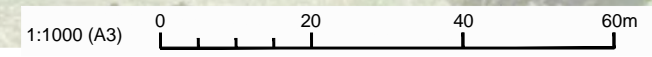
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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100mm



NOTES:
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No.	Revision	By	Chk	Appd	Date
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Project: SH16 - SAFETY IMPROVEMENTS
 STAGE 1
 HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
 SHEET 5 OF 11

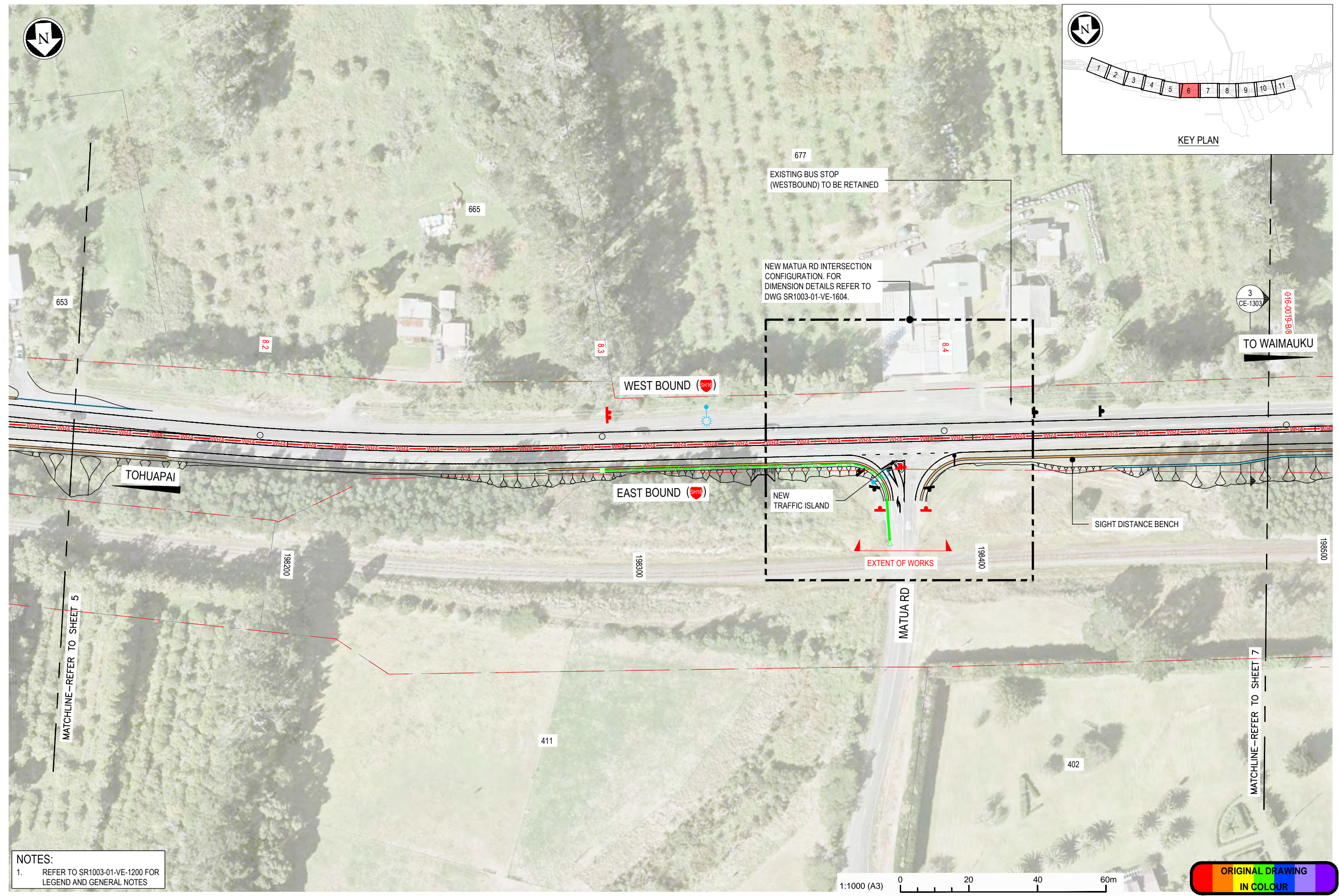
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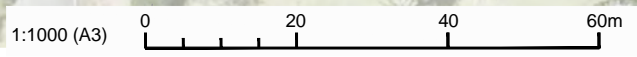
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SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



NOTES:
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No.	Revision	By	Chk	Appd	Date
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Project: SH16 - SAFETY IMPROVEMENTS
STAGE 1
HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
SHEET 6 OF 11

Status: **FOR TENDER**
Drawing No: SR1003 - 01 - VE - 1206
Rev: 0

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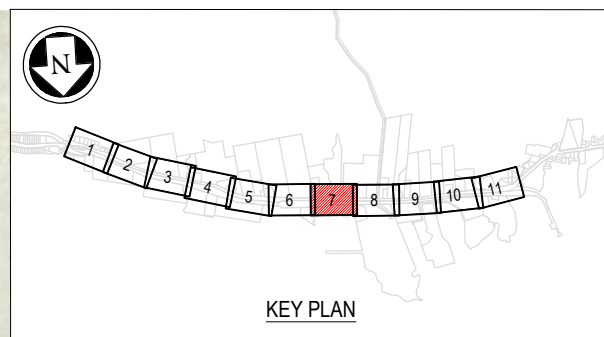
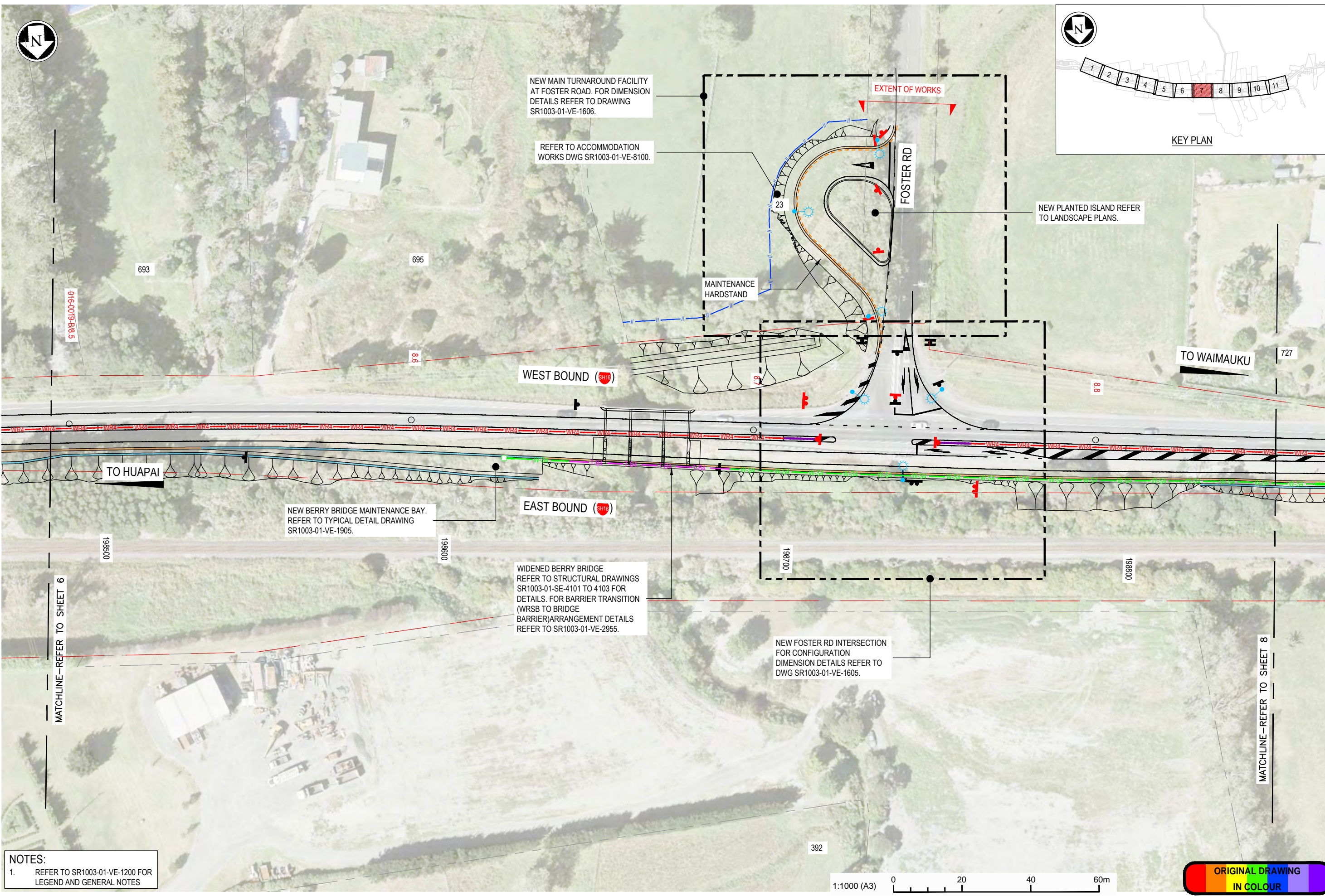
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SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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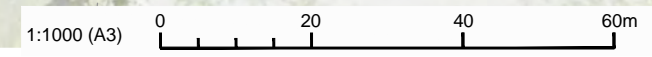
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NOTES:
 1. REFER TO SR1003-01-VE-1200 FOR LEGEND AND GENERAL NOTES

MATCHLINE—REFER TO SHEET 6

MATCHLINE—REFER TO SHEET 8



ORIGINAL DRAWING
IN COLOUR

No.	Revision	By	Chk	Appd	Date	
0	FOR TENDER		VDLT	CH	LDB	14.06.19

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Project: SH16 - SAFETY IMPROVEMENTS
 STAGE 1
 HUAPAI TO WAIMAUKU

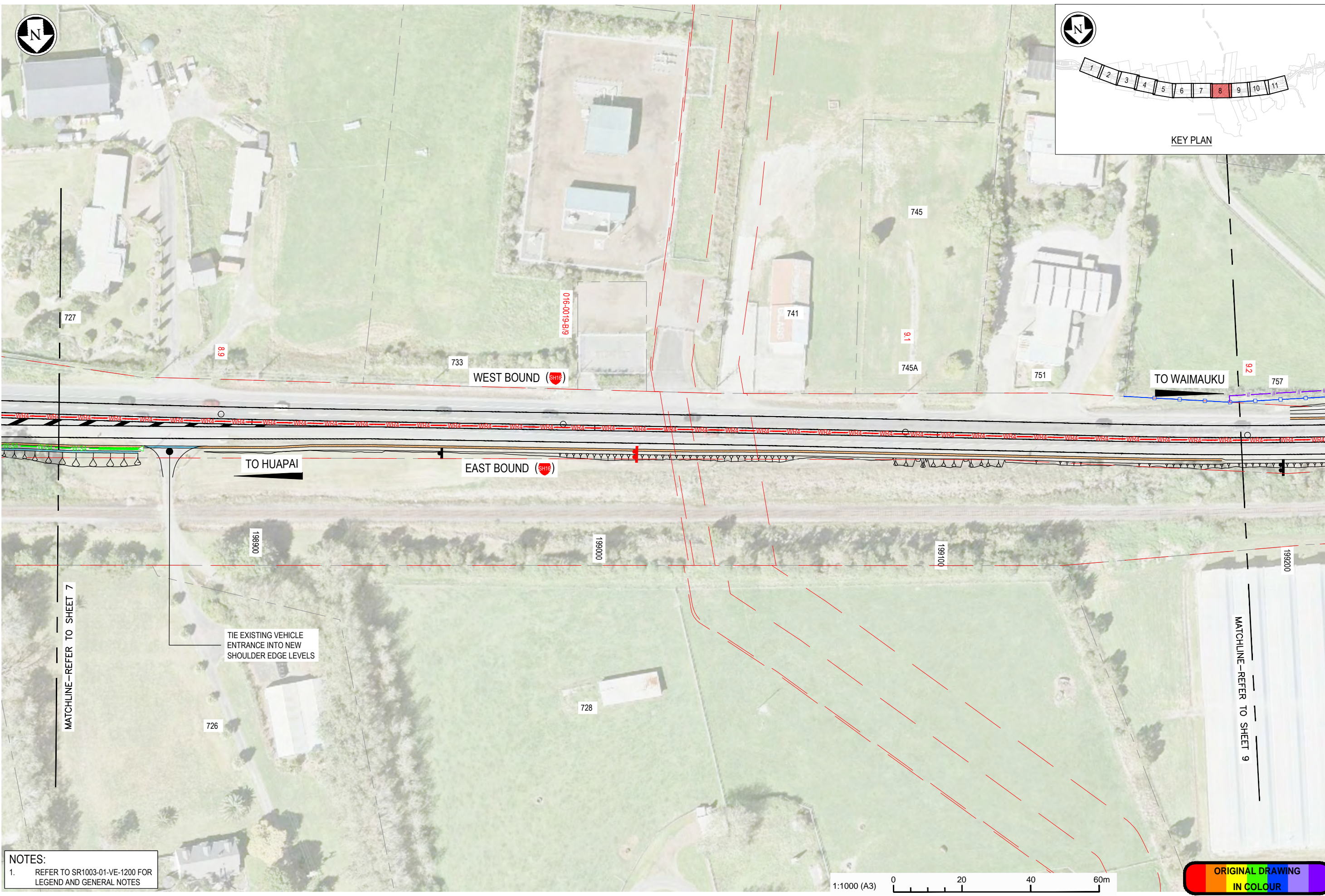
Title: GENERAL ARRANGEMENT PLAN
 SHEET 7 OF 11

Status: **FOR TENDER**
 Drawing No. SR1003 - 01 - VE - 1207
 Rev. 0

SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

0

100mm



NOTES:
 1. REFER TO SR1003-01-VE-1200 FOR LEGEND AND GENERAL NOTES

TIE EXISTING VEHICLE ENTRANCE INTO NEW SHOULDER EDGE LEVELS

MATCHLINE—REFER TO SHEET 7

MATCHLINE—REFER TO SHEET 9

1:1000 (A3) 0 20 40 60m

ORIGINAL DRAWING
IN COLOUR

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No.	Revision	By	CHK	Appd	Date		
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Project: SH16 - SAFETY IMPROVEMENTS
 STAGE 1
 HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
 SHEET 8 OF 11

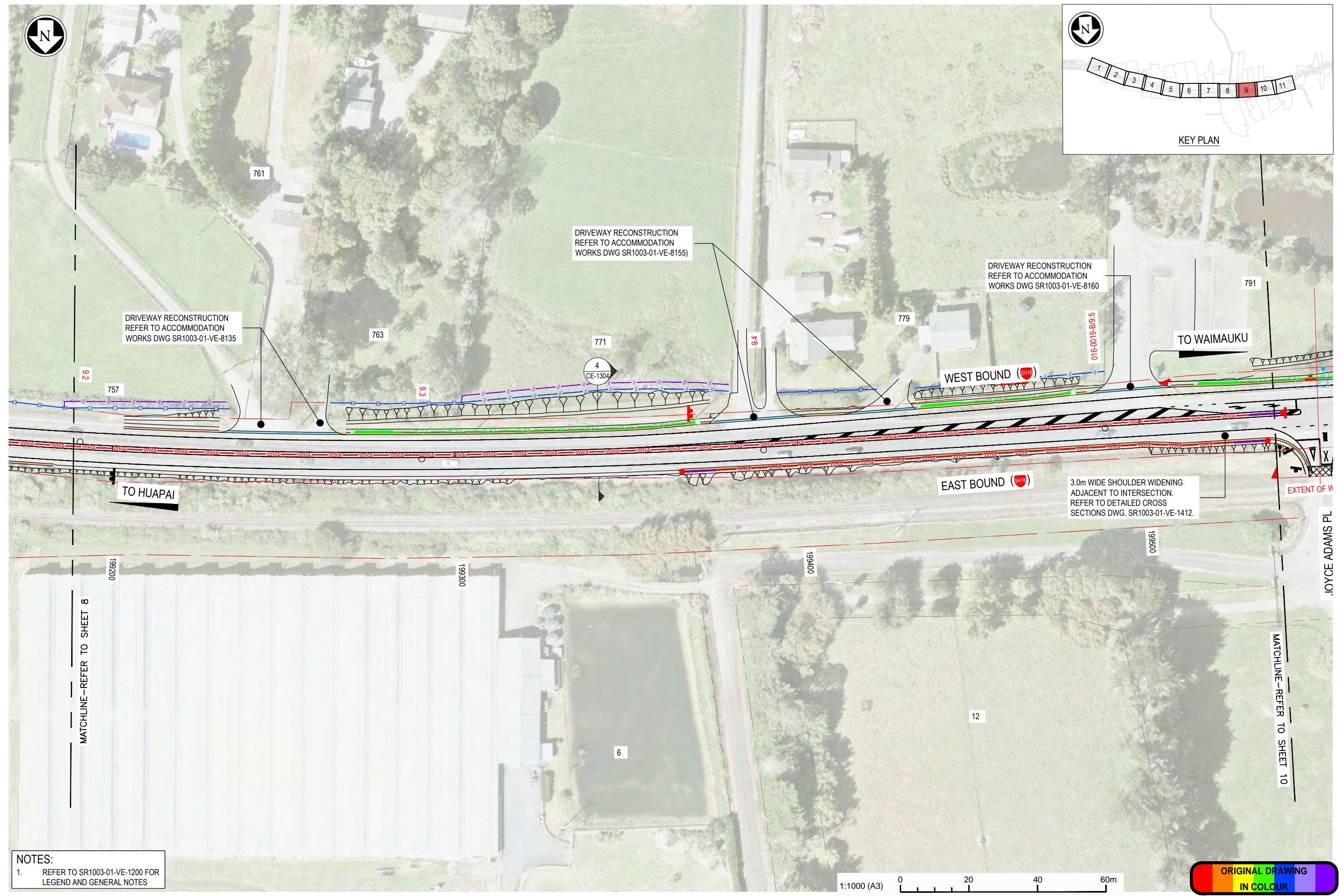
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DO NOT SCALE

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100mm
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



NOTES:
1. REFER TO SR1003-01-VE-1200 FOR LEGEND AND GENERAL NOTES

No.	Revision	By	Chk	Appd	Date
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		VDLT	CH	LDB	14.06.19

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					26.04.19	26.04.19
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Project: SH16 - SAFETY IMPROVEMENTS
STAGE 1
HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
SHEET 9 OF 11

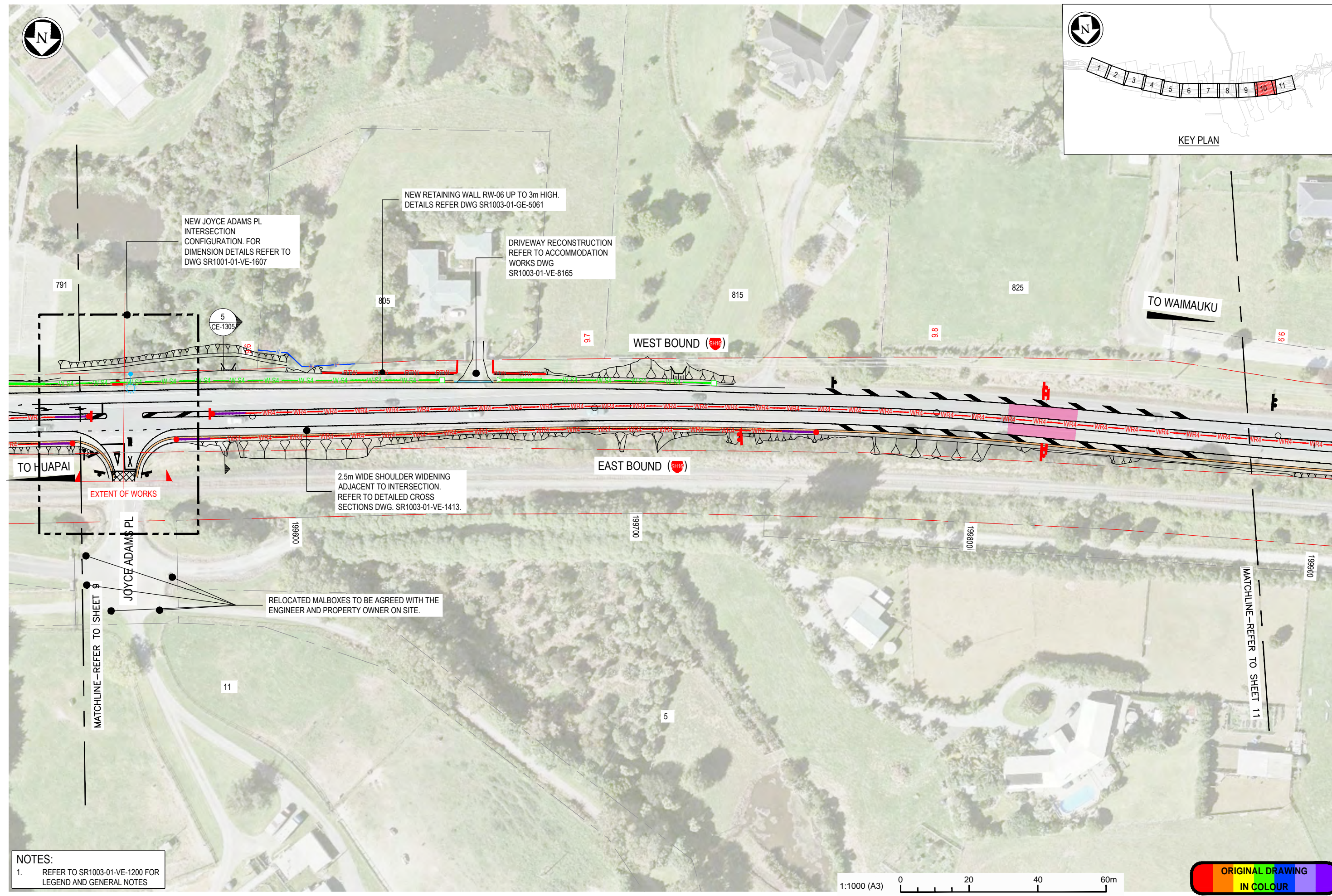
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Rev: 0

DO NOT SCALE

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SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY



NOTES:
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No.	Revision	By	Chk	Appd	Date
0	FOR TENDER	VDLT	CH	LDB	14.06.19

Original Scale (A3)	Design	Drawn	Design Verifier	Dwg Check	Approved For Construction	Date
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						26.04.19
						26.04.19
						26.04.19

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Project: SH16 - SAFETY IMPROVEMENTS
 STAGE 1
 HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
 SHEET 10 OF 11

Status: **FOR TENDER**
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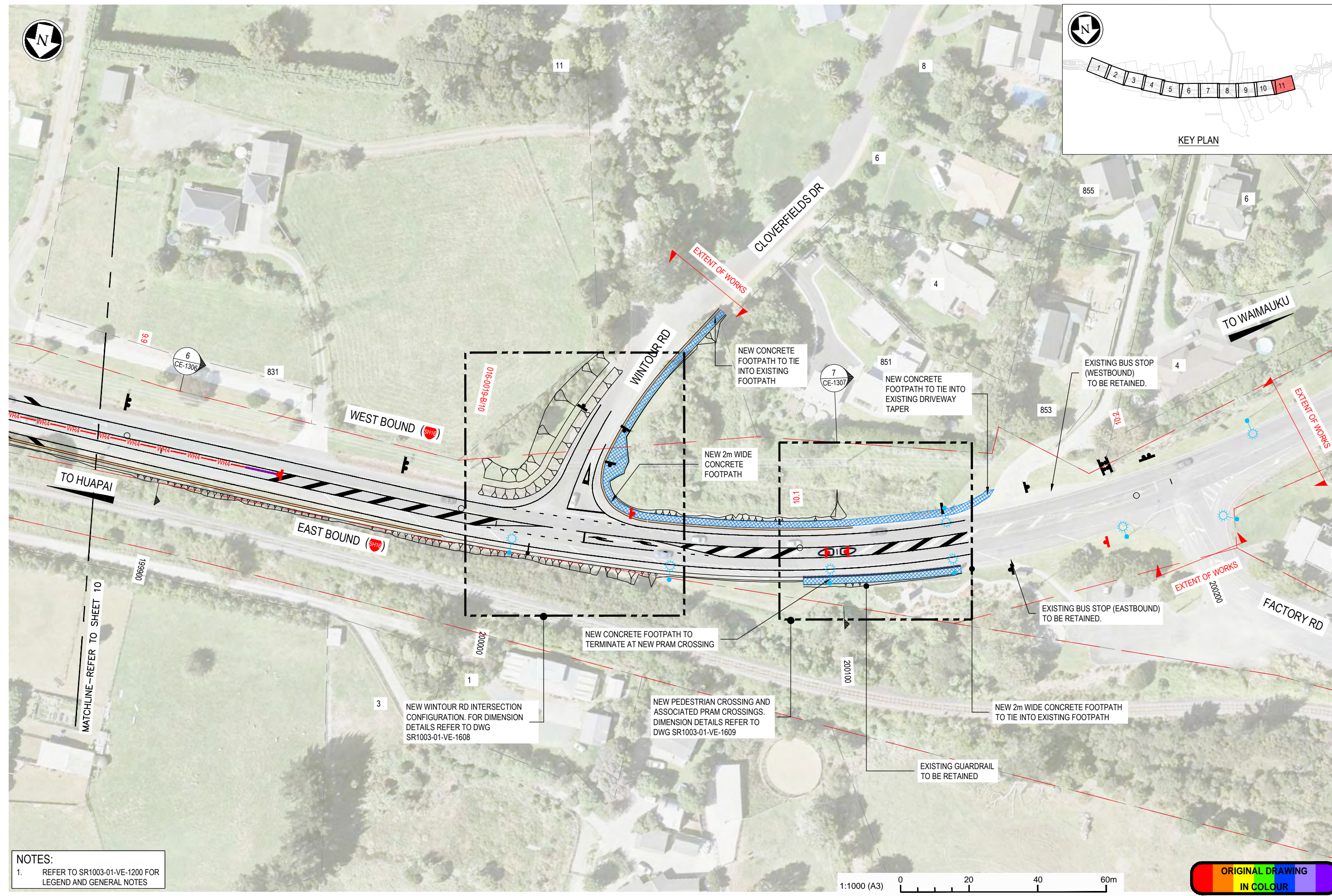
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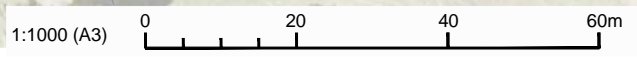
SCALE FOR VALIDATING SIZE OF A3 PLOT ONLY

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100mm



NOTES:
 1. REFER TO SR1003-01-VE-1200 FOR LEGEND AND GENERAL NOTES



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Project: SH16 - SAFETY IMPROVEMENTS
 STAGE 1
 HUAPAI TO WAIMAUKU

Title: GENERAL ARRANGEMENT PLAN
 SHEET 11 OF 11

Status: **FOR TENDER**
 Drawing No: SR1003-01-VE-1211
 Rev: 0

DO NOT SCALE

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