REF: V190790

DATE: 27 October 2020

Planning Panels Victoria

1 Spring Street

Melbourne VIC 3000

Attention: Mr. Tim Hellsten (Panel Chair)

Dear Sir,

RE: AMENDMENT C243 TO THE HUME PLANNING SCHEME – PANEL HEARING

We refer to the Planning Panels Victoria direction for an infrastructure costings and bridge design/economic and infrastructure contributions conclave to be convened as part of the Amendment Hearing. The experts have completed the meeting as directed by the Panel with a summary of the meeting details provided in the following table.

Date / Time	16 October 2020 from 10am to 12pm
Attendees:	Justin Ganly - Deep End Services (JG); Lance Weatherell - WT Partnership (LW); Rob Howard - Hatch (RH); Mark Fleming - Beveridge Williams (MF); Matt Ainsaar - Urban Enterprise (MA); Stephen Watters - SMEC (SW); Jason Black - Insight Planning (JB); Mark Breuer - Spiire (MB); Mark Whalen - GHD (MW)

Item	Description	Discussion
1.1	Preliminaries	Attendees noted there were 2 different but allied topics, infrastructure costings and bridge design, and economic and infrastructure contributions and they break up into 2 separate Teams meetings, allowing an agreed amount of time and reconvene. Two separate summaries would be produced and signed and combined in this summary. **ITEM OUTCOME NOTED**
1.2	Participants	The meeting for economic and infrastructure contributions was attended by JG, MA and JB. The meeting for infrastructure costings and bridge design was attended by LW, RH, MF, SW, MB and MW. **ITEM OUTCOME NOTED**
2	Key Issues	It was noted that the supplementary levy was substantially higher than other ICPs, and the key reason for the high cost was primarily related to the two bridges crossing Jacksons Creek and approach roads. The key ICP projects discussed were:

Item	Description	Discussion
		Northern Bridge Design and Costings (LD-BR-01) and the approach roads Southern Bridge Design and Costings (SS-BR-01) and the approach roads Intersections LR-IN-01 and LR-IN-02 **ITEM OUTCOME: All Agreed**
3.1	Bridge LD-BR-01	It was noted that the current 490 metre span steel bridge is a very expensive option. The rates adopted were generally agreed upon except for the rock earthworks rate which would be further investigated by all parties, who would report back. Upon review, a rate of $55.00 per cubic metre for excavation in rock and disposal was adopted **ITEM OUTCOME: All Agreed**
3.2		MW noted the current design was produced following instruction by the VPA and sought to minimise disturbance to the creek and surrounding areas. **ITEM OUTCOME NOTED**
3.3		A super T structure over 490 metres using 35 metre spans would be a significantly cheaper structure but would require further piles in the Creek valley. **ITEM OUTCOME: All Agreed**
3.4		Having reviewed the ICP cost estimate for LR-BR-01, MB discussed two alternative bridge alignments that could be considered (Options A & B as per MB's expert report). It was agreed that cheaper options for a northern bridge crossing were feasible. MW felt that the Spiire option A solution intruded slightly into the 100 flood extent, and all agreed that this could be rectified during detailed design. **ITEM OUTCOME: All Agreed**
3.5		MB pointed out that the current ICP road gradeline on the west side of the creek was 19m above the natural terrain, and that this would not work in relation to the permitted subdivisional works at this point. It was discussed that the gradeline would need to be lowered to the natural terrain at that point. **ITEM OUTCOME: All Agreed**
3.6		The Spiire option A solution longitudinal grade on the eastern escarpment would likely require a climbing lane to be included. The ICP currently includes a climbing lane. **ITEM OUTCOME: All Agreed**
4.1	Bridge SS-BR-01	The bridge would be constructed by a gantry at deck level as the valley is steep. The costs of this solution are included in the cost estimates **ITEM OUTCOME: All Agreed**
4.2		MB presented two alternative bridge vertical alignments that resulted in shorter bridge deck (240m

Item	Description	Discussion
		length bridge compared to the ICP design of 315m length) which would result in less expensive construction. It was agreed that the shorter bridge lengths were feasible. **ITEM OUTCOME: All Agreed**
4.3		The alignment for the Spiire option B will enable some additional land to be released for subdivision. Due to the difference in height between proposed super T's and central steel girder, a panel should be added to the super T's to provide a continuous profile or if feasible revert back to a 100% super T structure. **ITEM OUTCOME: All Agreed**
5.1	LR-IN-01 and LR-IN-02	The allowance for service relocations shown in the SMEC estimates should be included **ITEM OUTCOME: SW, MW Agreed. Other attendees not involved**
5.2		In LR-IN-01 a transition back to the existing road should be included. Additional kerbing required by DoT should be included. **ITEM OUTCOME: SW, MW Agreed. Other attendees not involved**
5.3		SW questioned the pavement composition assumption relating to the ICP cost estimates. While pavement compositions and traffic loadings may differ, the nett effect on the pavement costs is thought to be similar, however the earthworks quantities should be reviewed to allow for a deeper pavement. **ITEM OUTCOME: SW, MW Agreed. Other attendees not involved**
5.4		The extent and financing of culverts crossing the road downstream of the MWC retarding basin in LR-IN-01 should be confirmed with MWC to determine whether it is included in a drainage scheme. If not included in the drainage scheme, the ICP cost estimate would need to cover the cost of these culverts crossing Lancefield Road and the eastern leg of the intersection. **ITEM OUTCOME: All agreed**
5.5		The extent of Kerb & Channel and concrete paths was questioned by SW, as was other miscellaneous items such as dam filling. The differences between estimates was attributed to a higher level of detail being available in the SMEC estimates. It was proposed that SW and MW reconvene with their designers to confirm the scope of work for LR-IN-01 and LR-IN-02 and the cost outcomes. **ITEM OUTCOME: SW, MW Agreed. Other attendees not involved**

Item	Description	Discussion
Signed	Rob Howard	
	Mark Breuer	
	Mark Fleming	
	Stephen Watters	
	Lance Weatherell	
	Mark Whalen	

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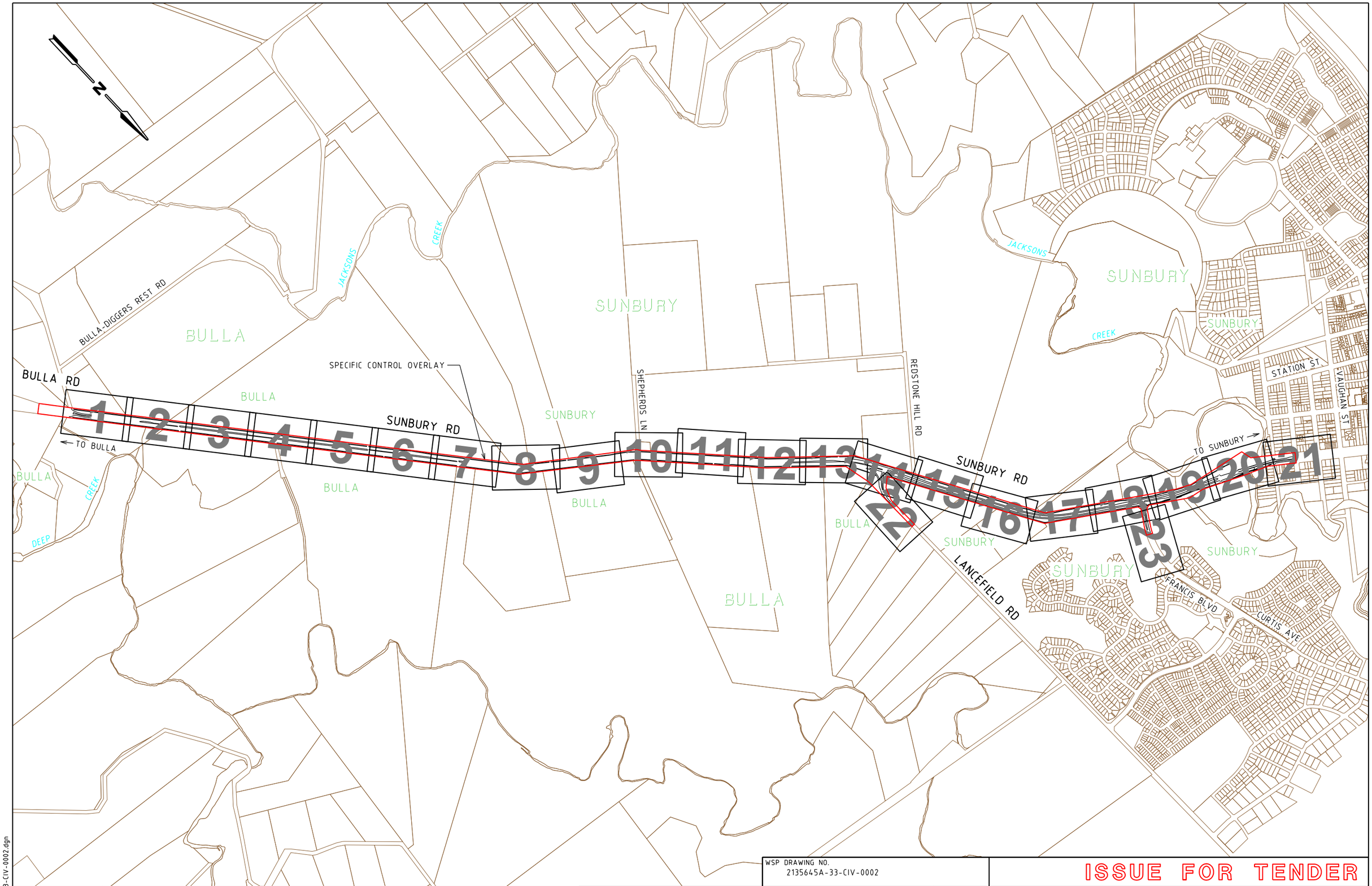

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29700-lis--fs-02	FEATURE SURVEY
29700-lis--fs-03	FEATURE SURVEY
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X-2135645A-33-CIV-D300.dgn	FUNCIONAL LAYOUT 3D
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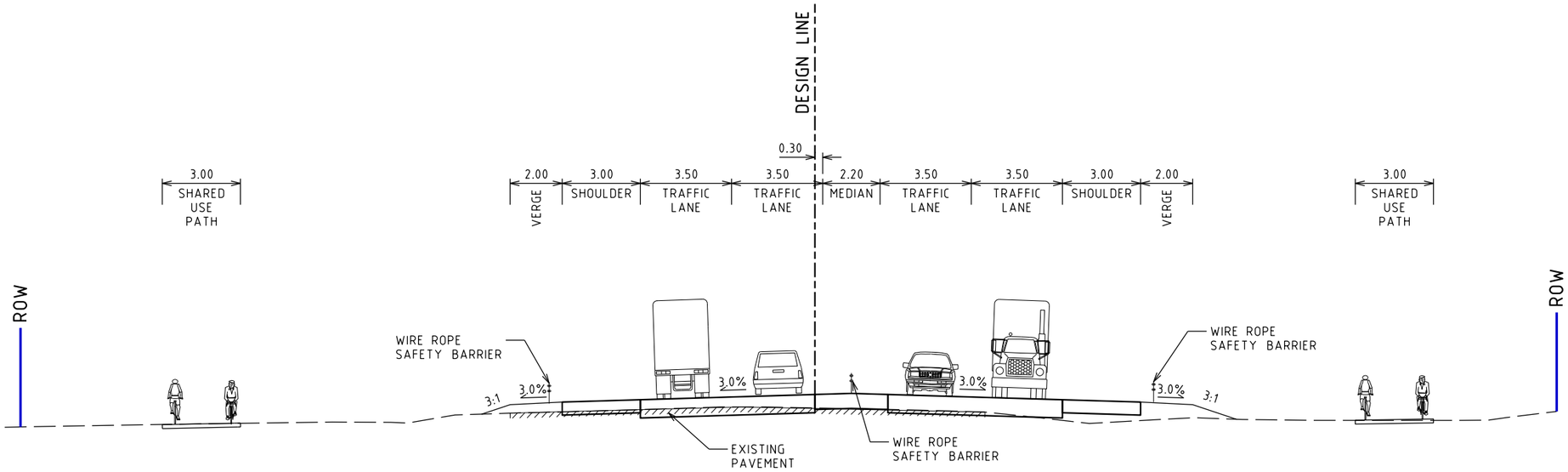

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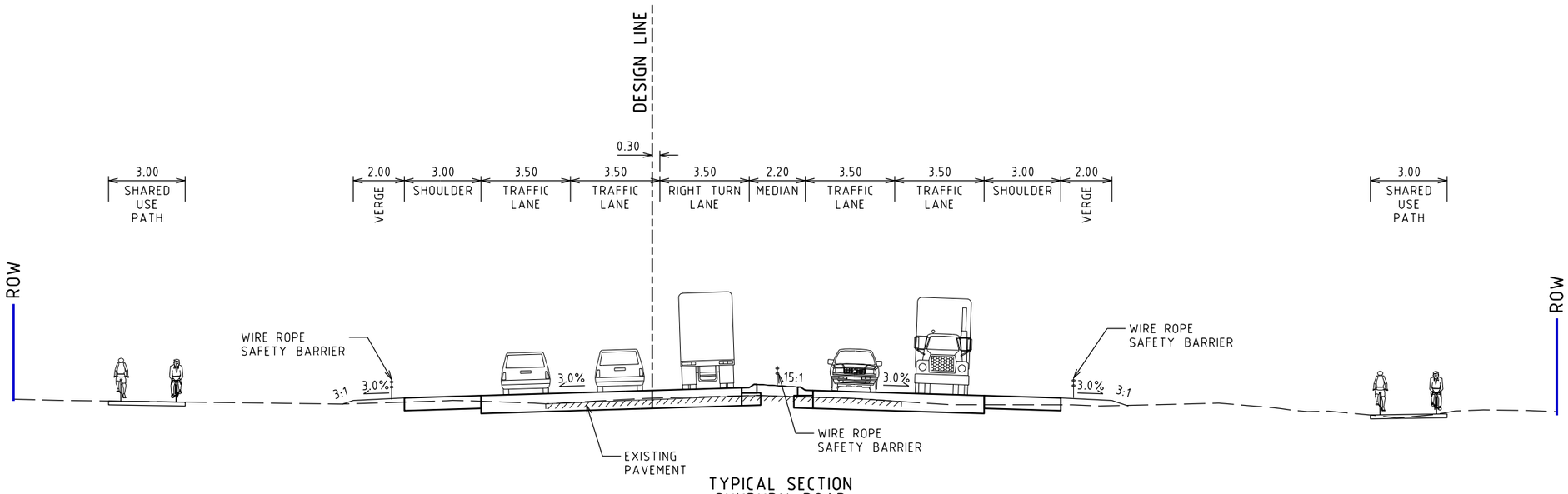

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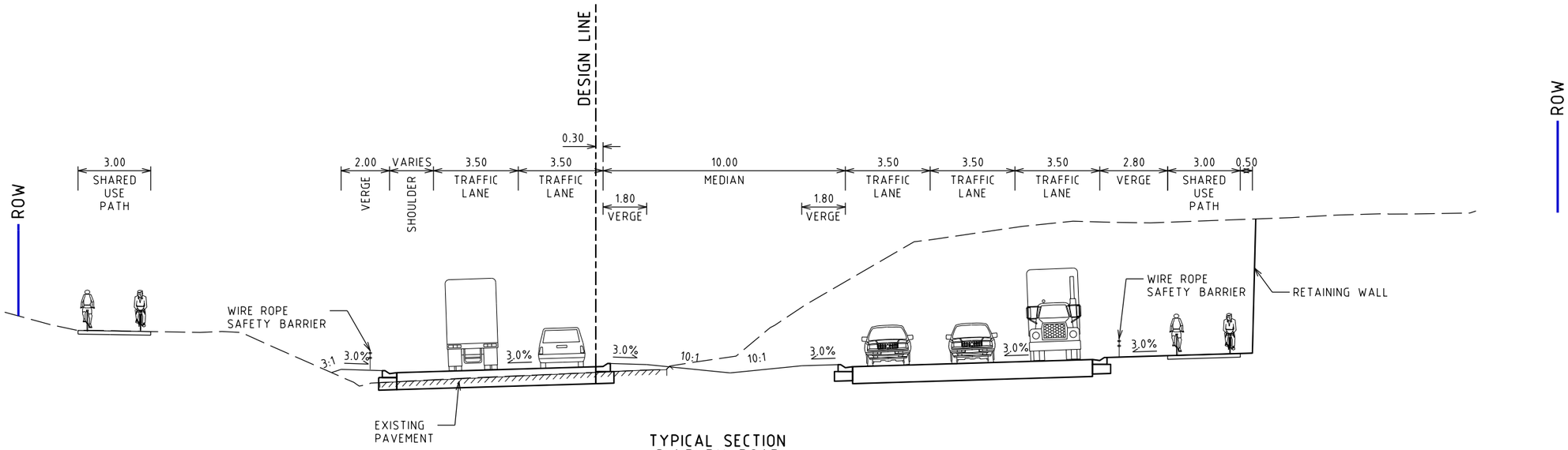

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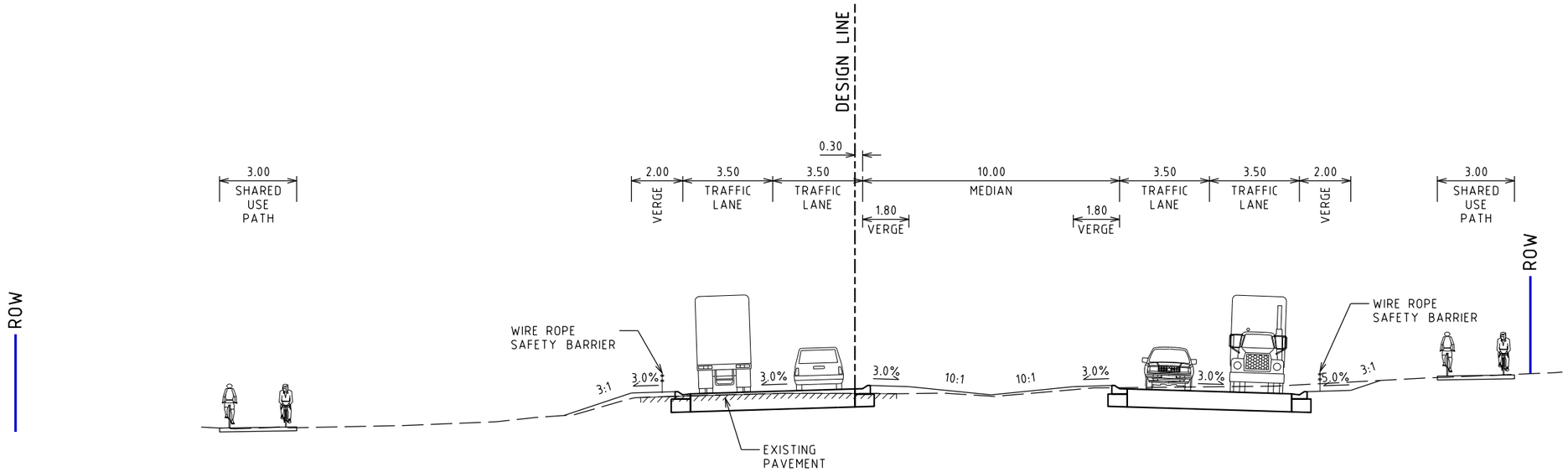

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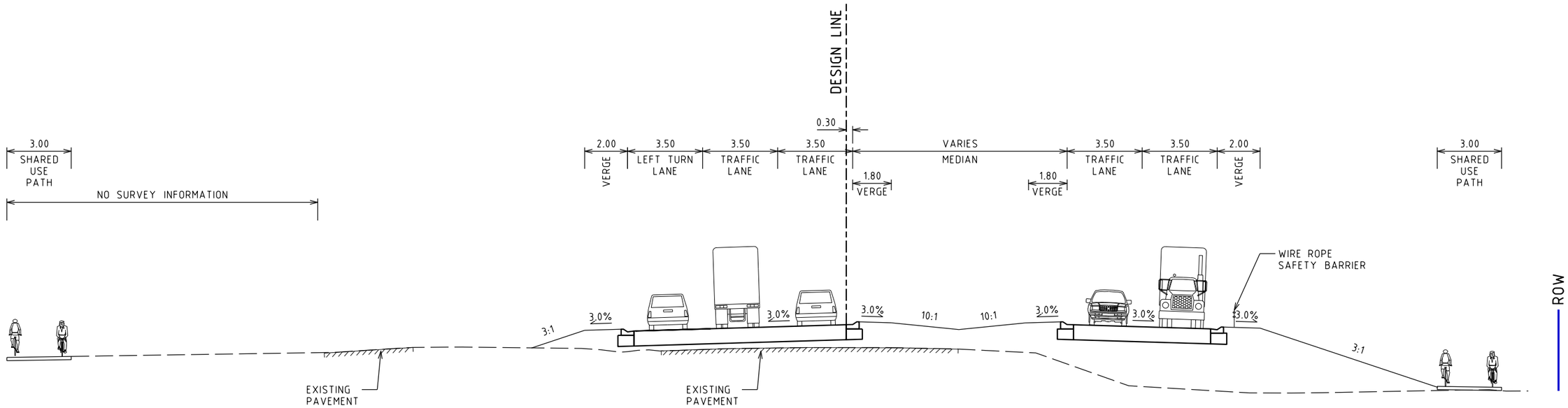

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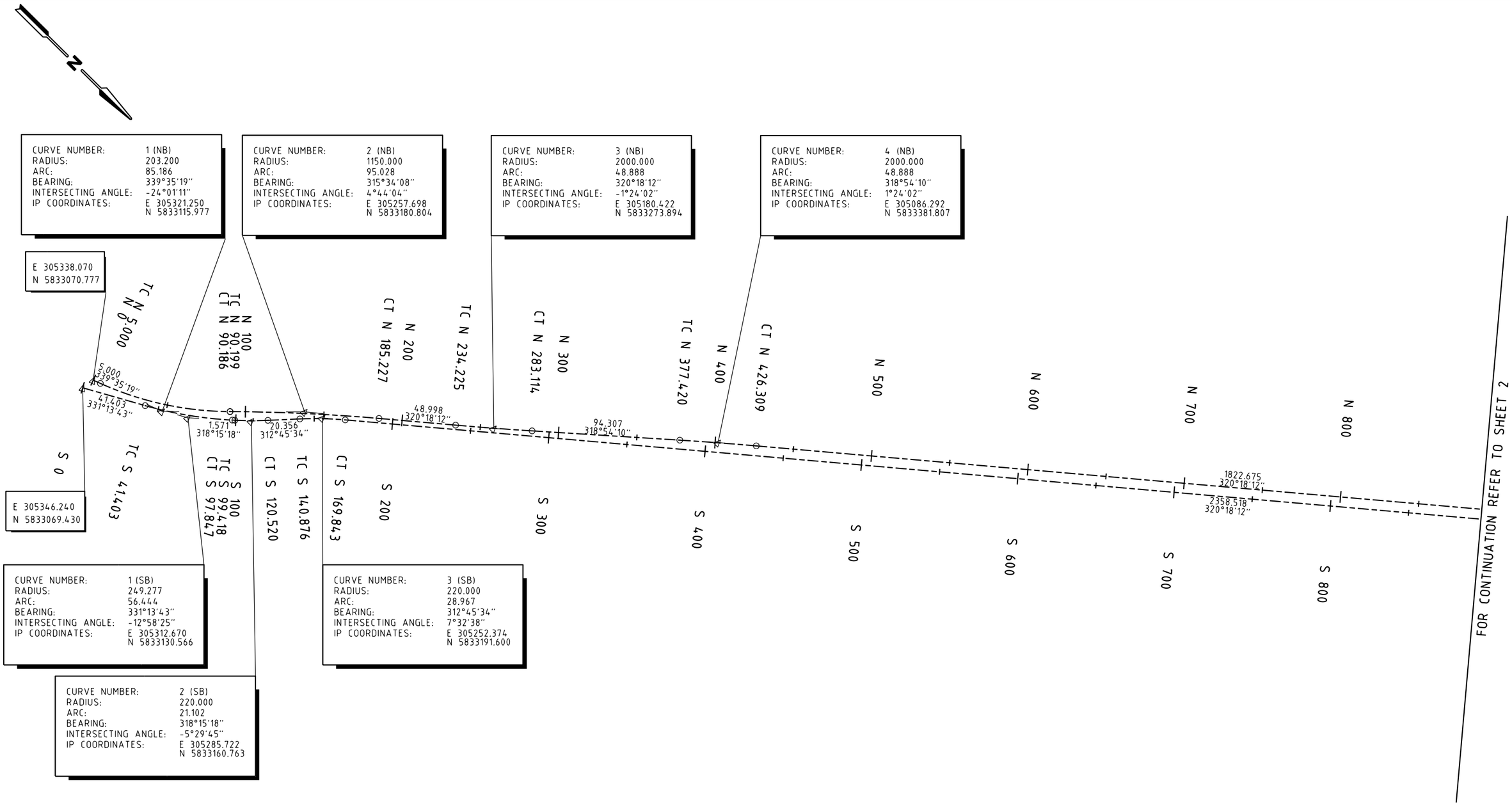

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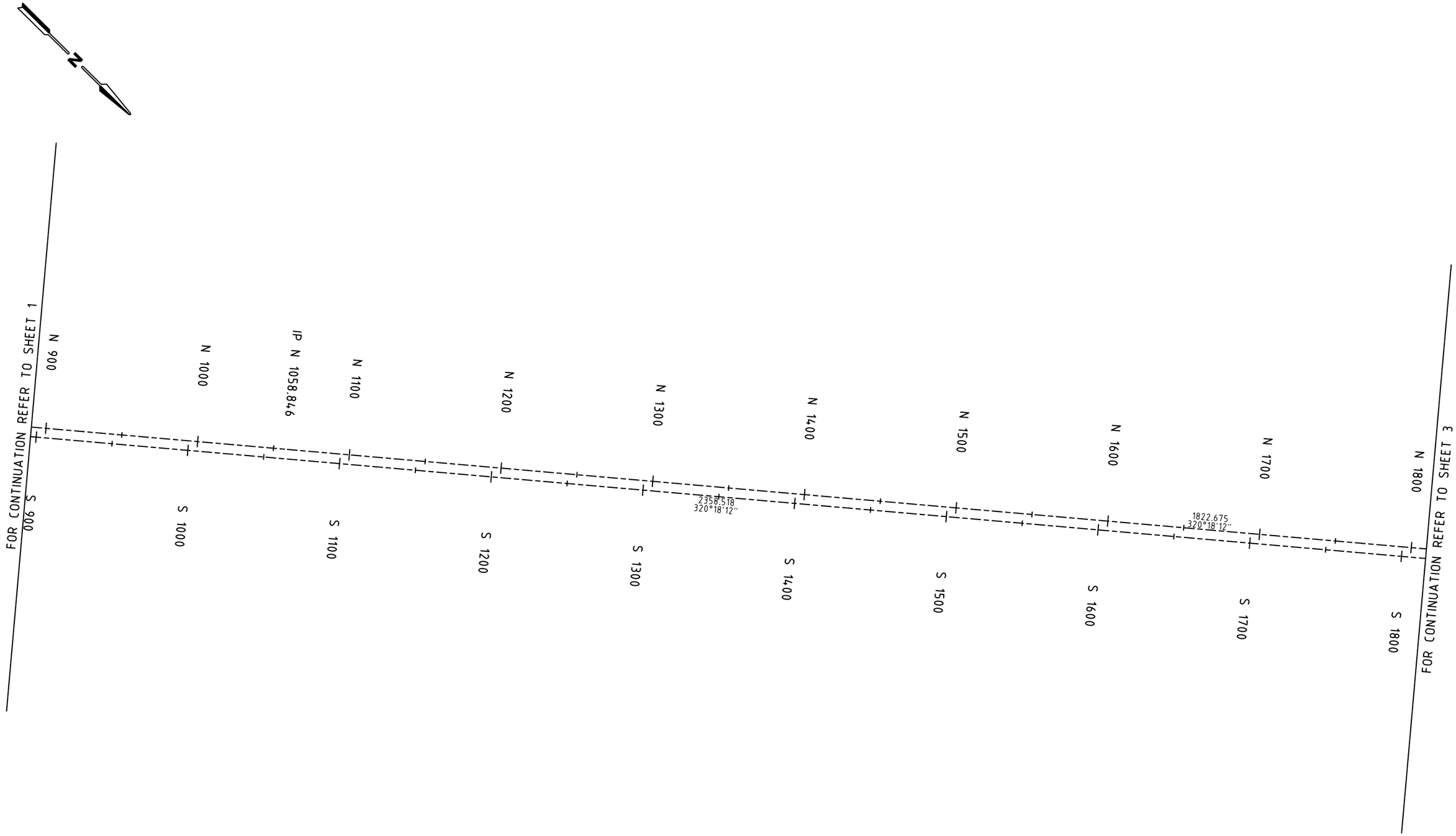

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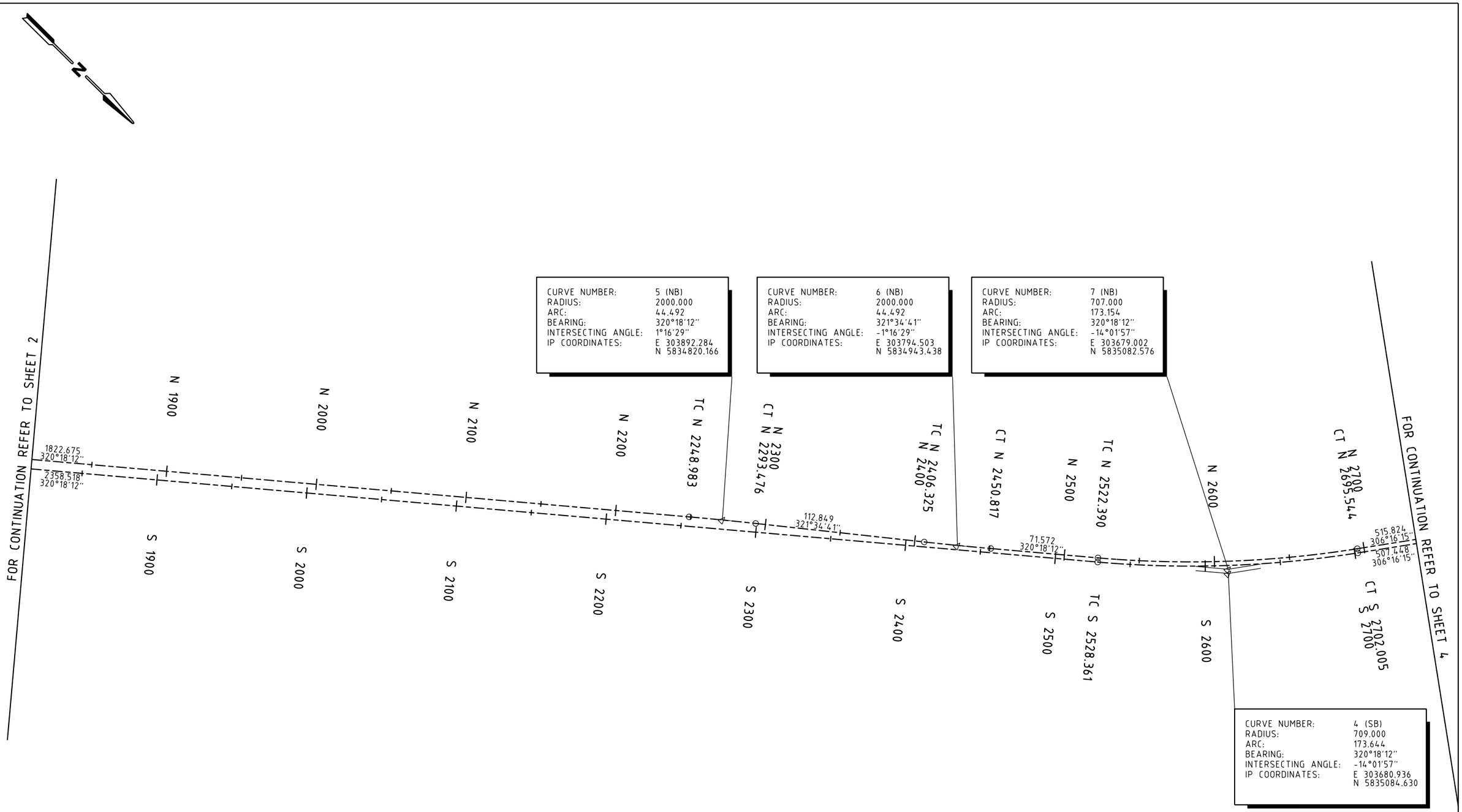

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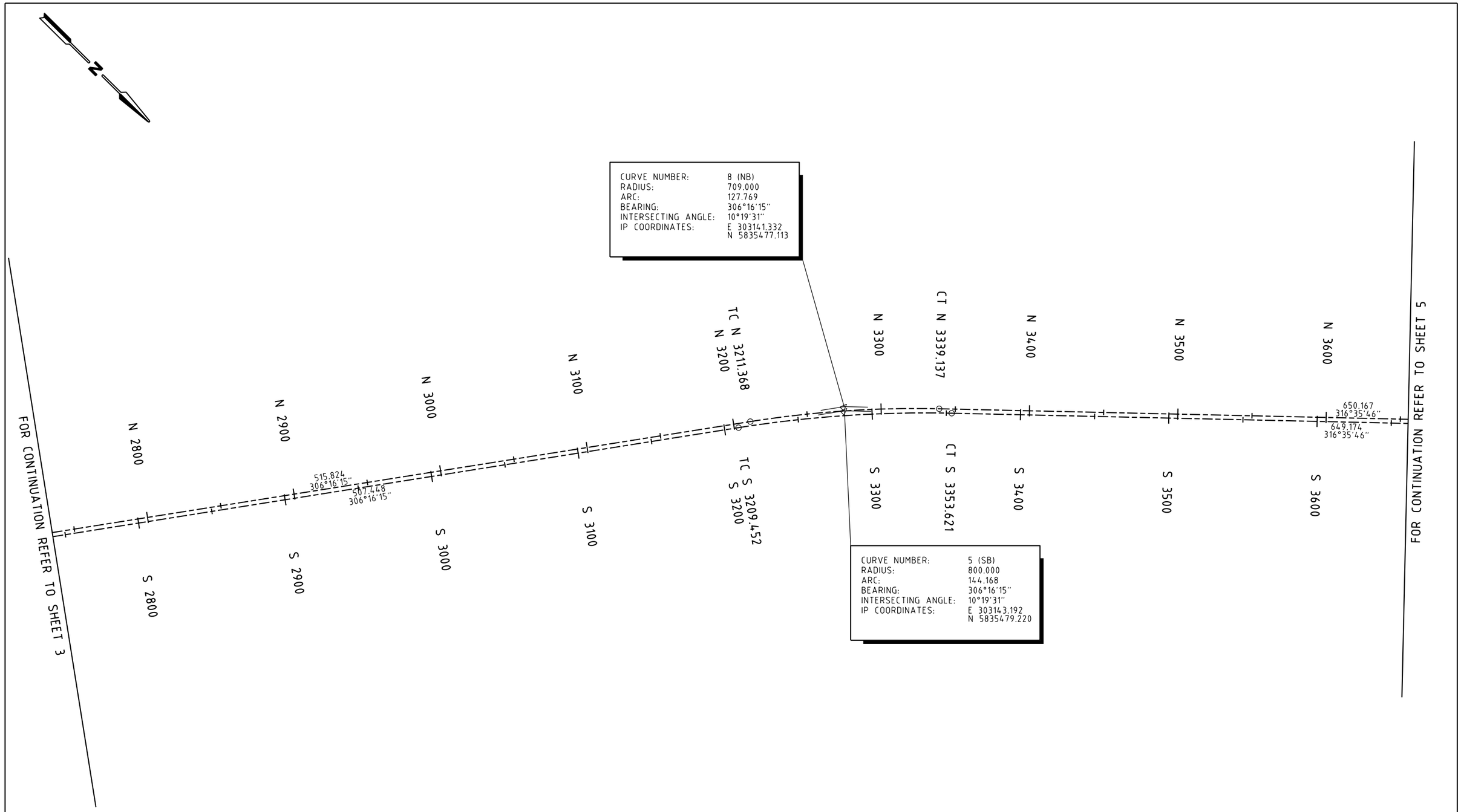

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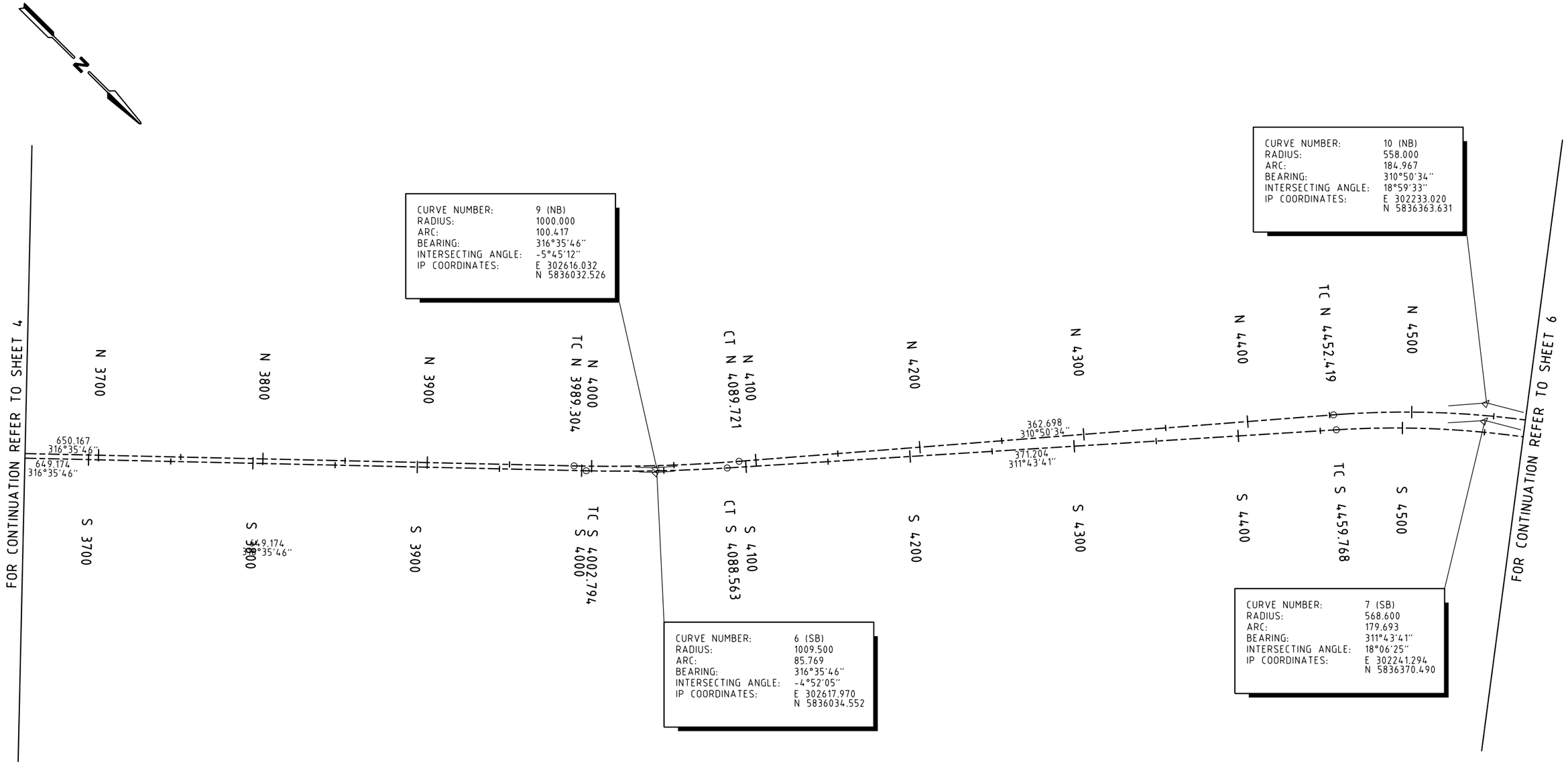

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-CIV-1005

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-1005.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 25 50
VER 0 25 50

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

GEOMETRIC PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		5	CIV-1005	A

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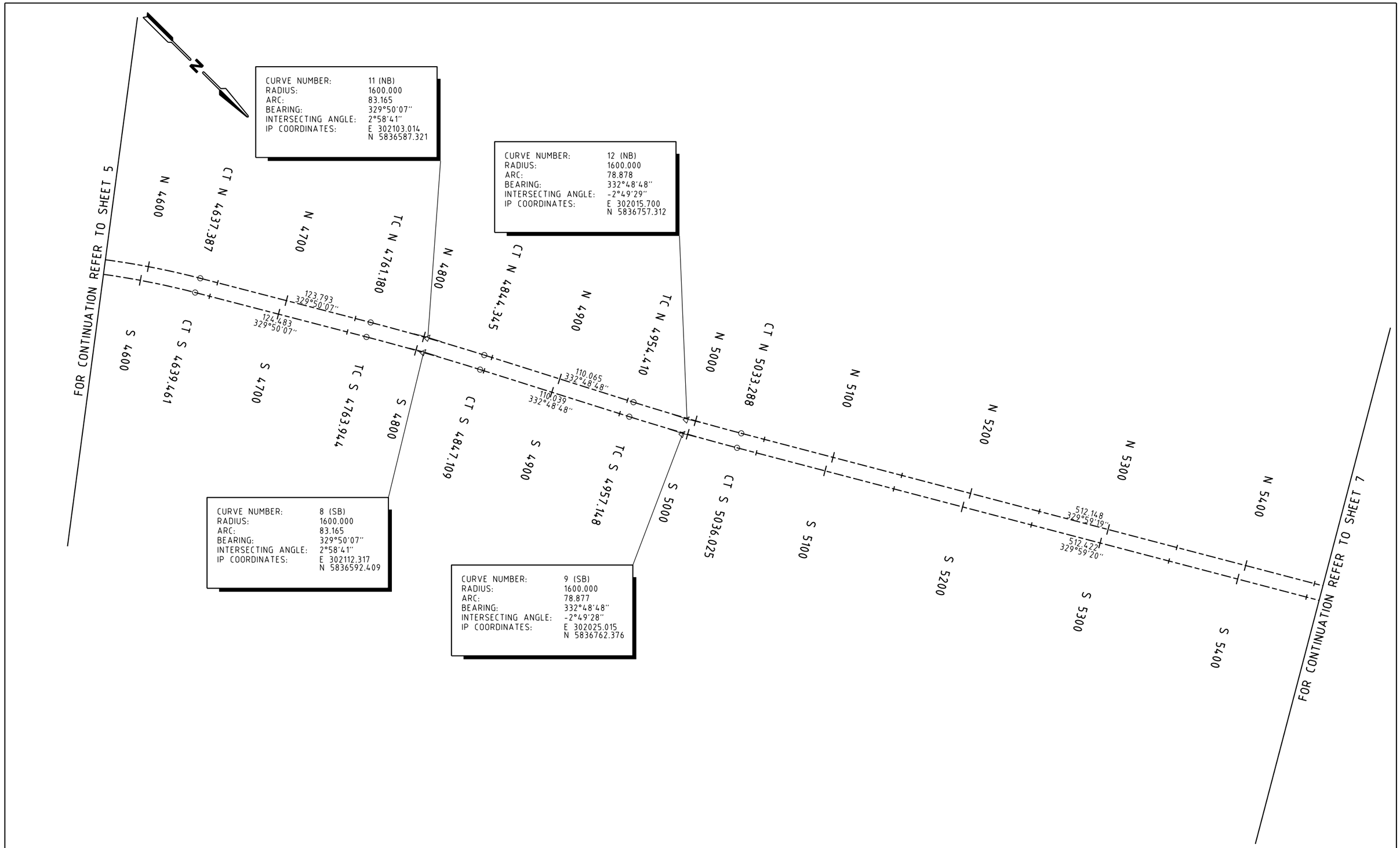

CURVE NUMBER:	11 (NB)
RADIUS:	1600.000
ARC:	83.165
BEARING:	329°50'07"
INTERSECTING ANGLE:	2°58'41"
IP COORDINATES:	E 302103.014 N 5836587.321

CURVE NUMBER:	12 (NB)
RADIUS:	1600.000
ARC:	78.878
BEARING:	332°48'48"
INTERSECTING ANGLE:	-2°49'29"
IP COORDINATES:	E 302015.700 N 5836757.312

CURVE NUMBER:	8 (SB)
RADIUS:	1600.000
ARC:	83.165
BEARING:	329°50'07"
INTERSECTING ANGLE:	2°58'41"
IP COORDINATES:	E 302112.317 N 5836592.409

CURVE NUMBER:	9 (SB)
RADIUS:	1600.000
ARC:	78.877
BEARING:	332°48'48"
INTERSECTING ANGLE:	-2°49'28"
IP COORDINATES:	E 302025.015 N 5836762.376

WSP DRAWING NO.
2135645A-33-CIV-1006

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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DESIGNED
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06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-1006.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 25 50
VER 0 25 50

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

GEOMETRIC PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		6	CIV-1006	A

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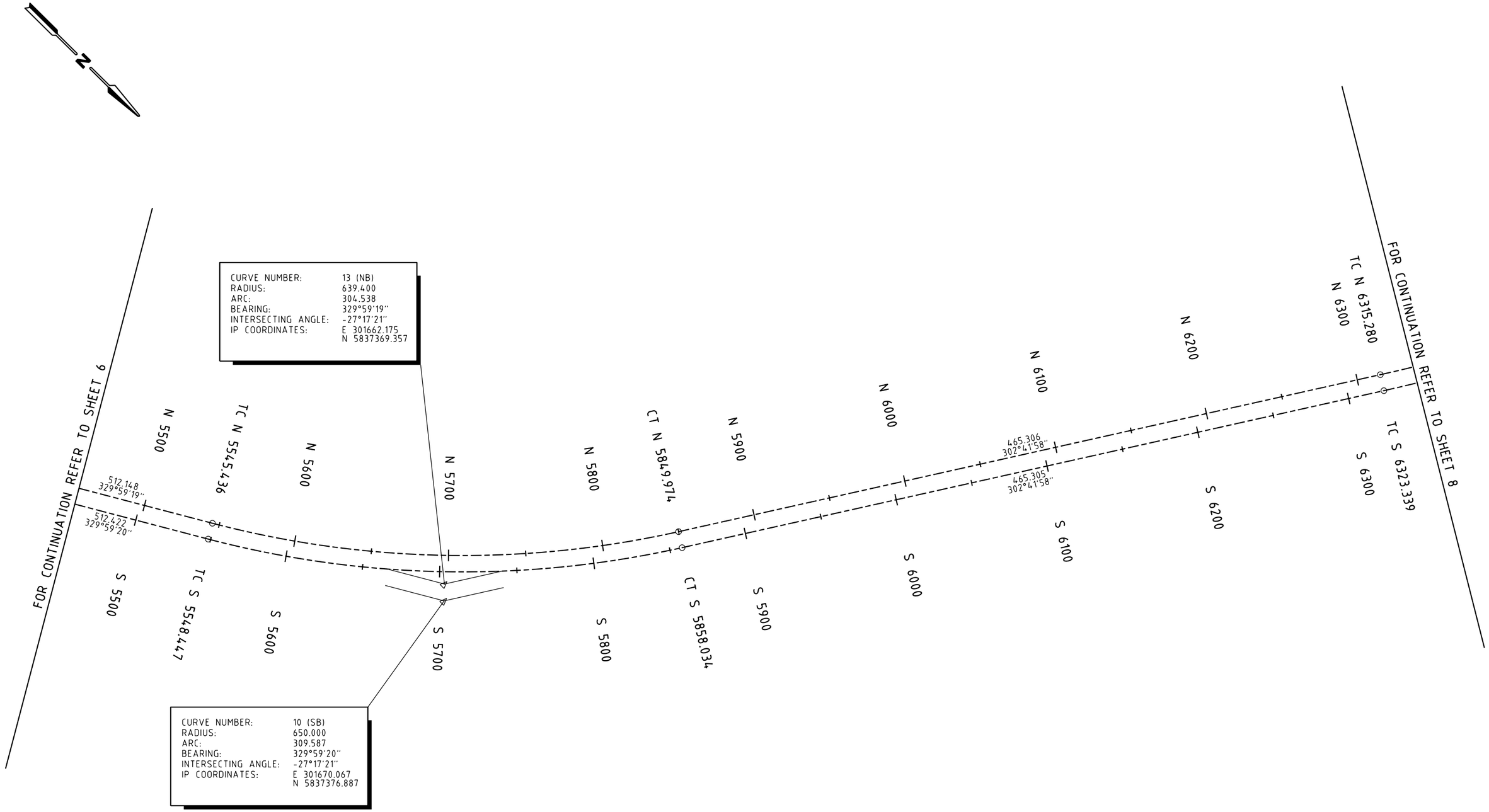

ISSUE	APP'D	DATE	AMENDMENT
E			
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B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-CIV-1007

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-1007.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 25 50
VER 0 25 50

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

GEOMETRIC PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		7	CIV-1007	A

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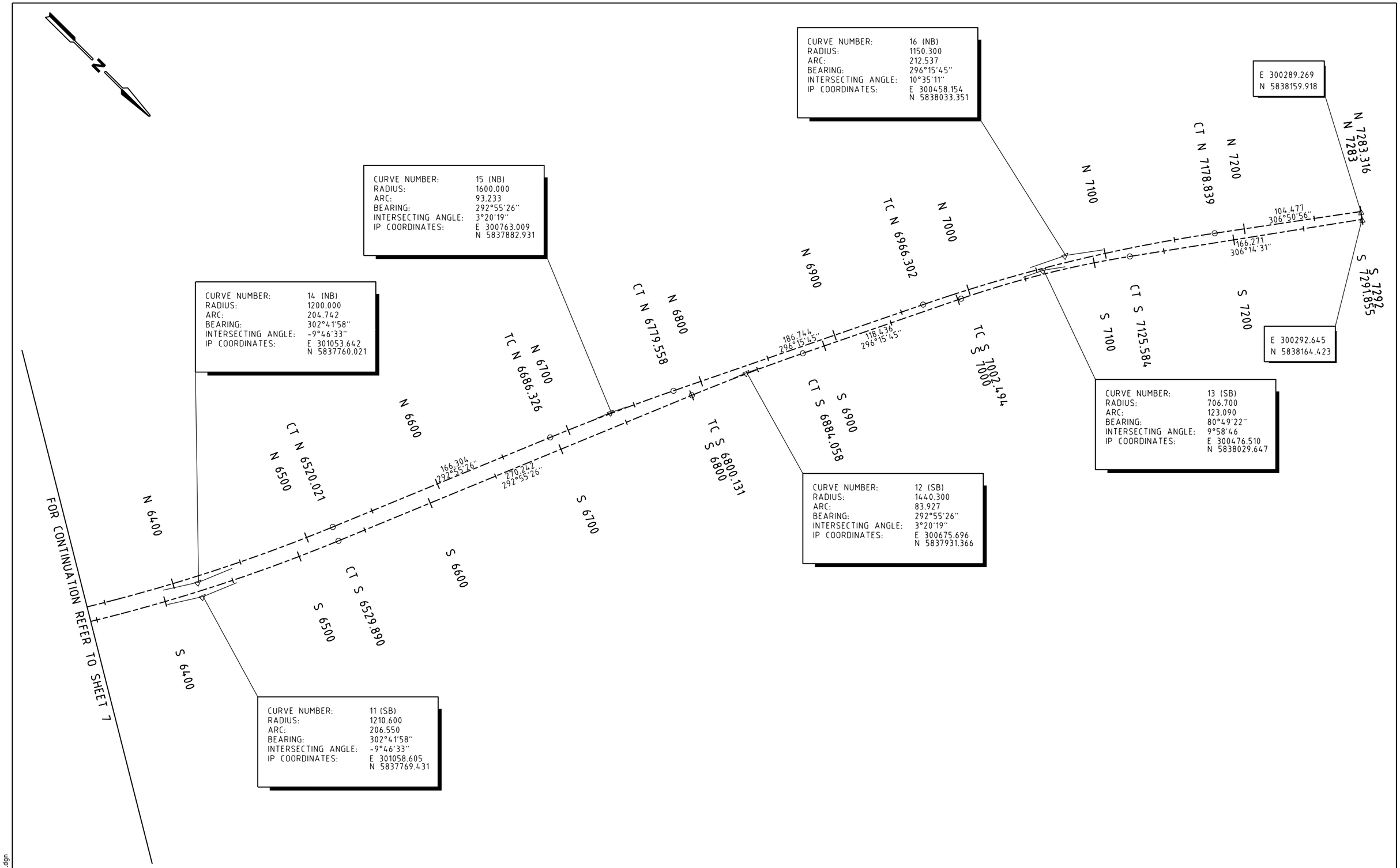

WSP DRAWING NO.
2135645A-33-CIV-1008

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

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APPROVED S. BONG 06.12.18
CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-1008.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 25 50
VER 0 25 50

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

GEOMETRIC PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		8	CIV-1008	A

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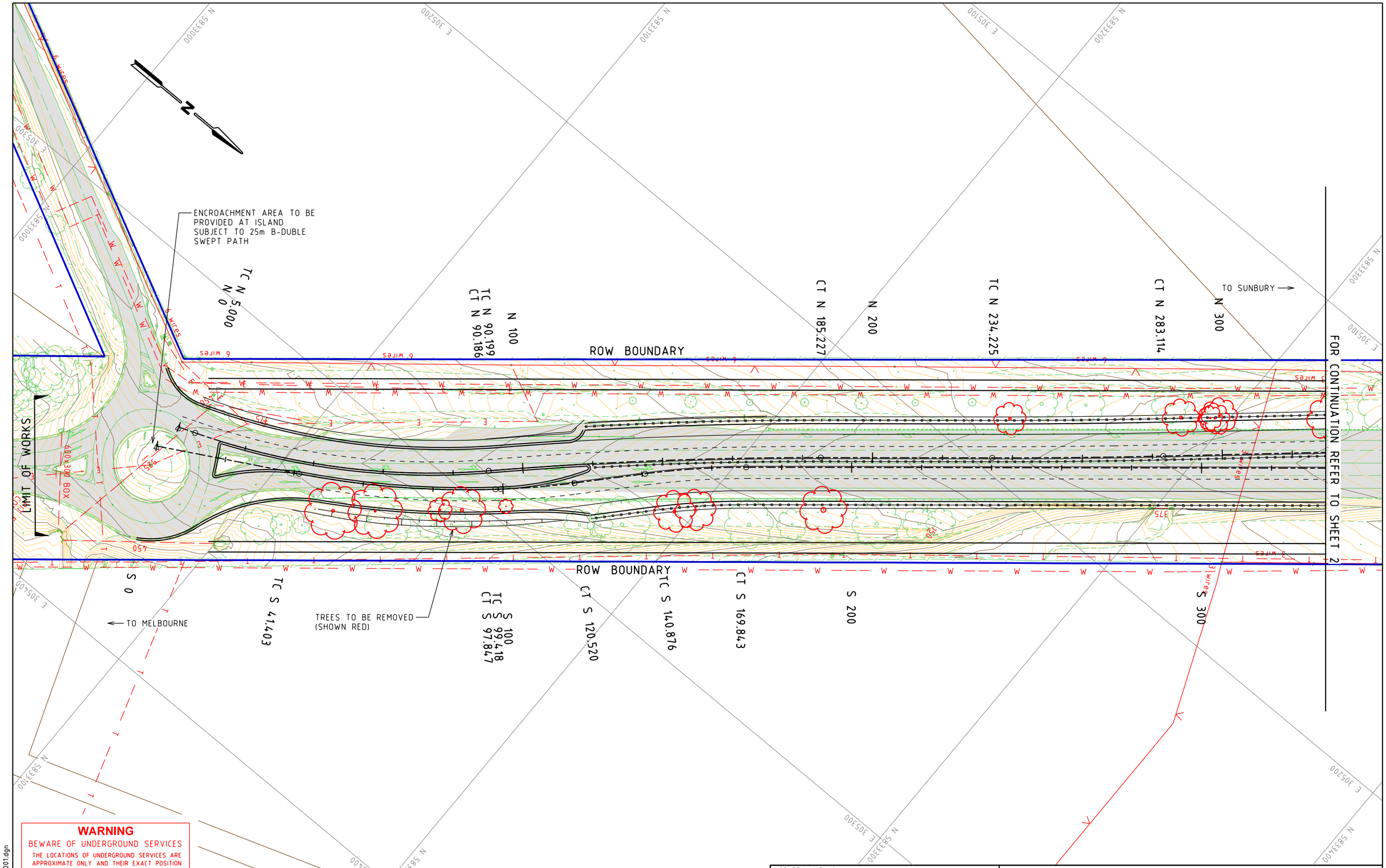

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ISSUE	APP'D	DATE	AMENDMENT
E			
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO. 2135645A-33-CIV-2001

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APPROVED S. BONG 06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2001.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		1	CIV-2001	A

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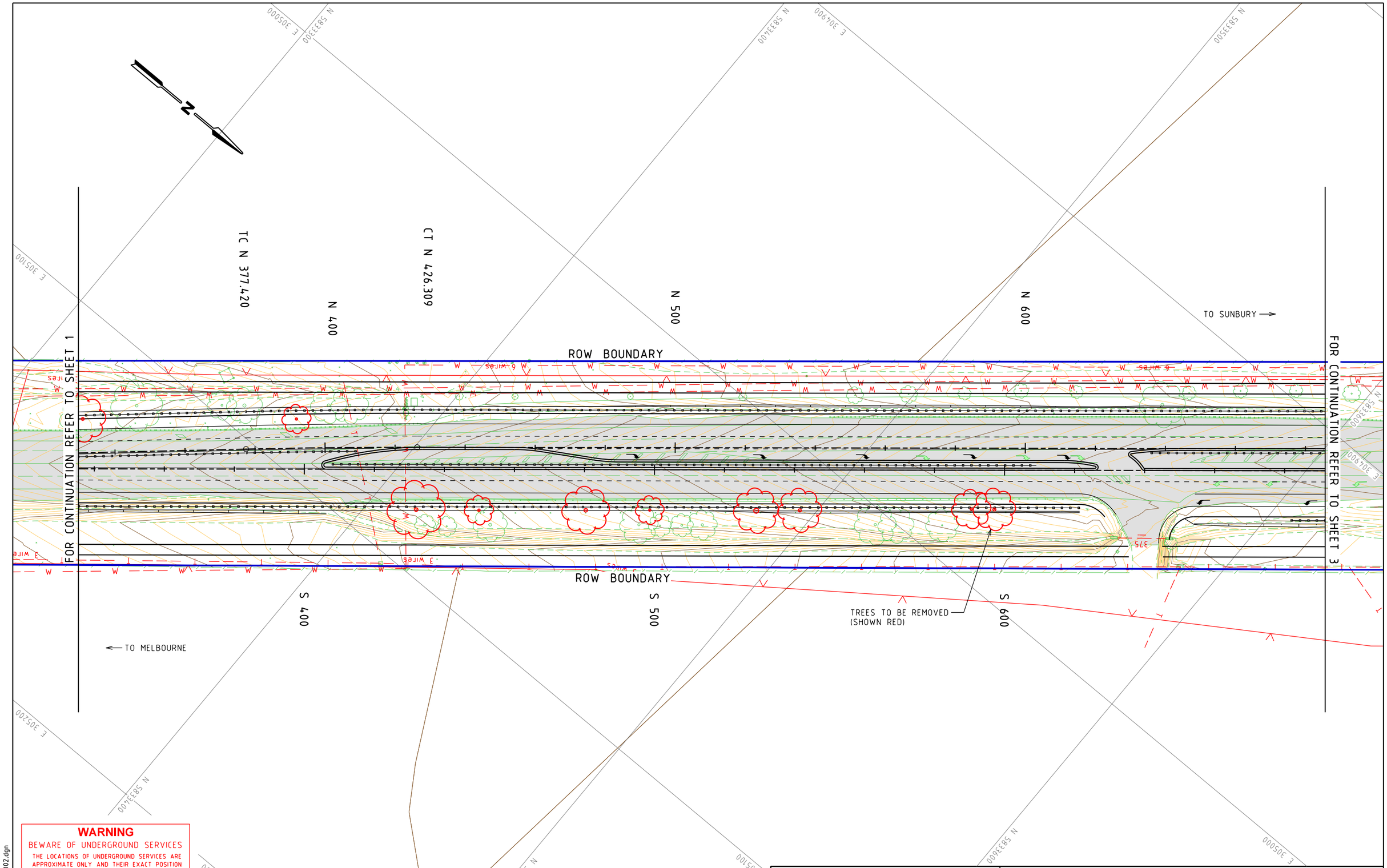

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WSP DRAWING NO.
2135645A-33-CIV-2002

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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06.12.18

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06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2002.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		2	CIV-2002	A

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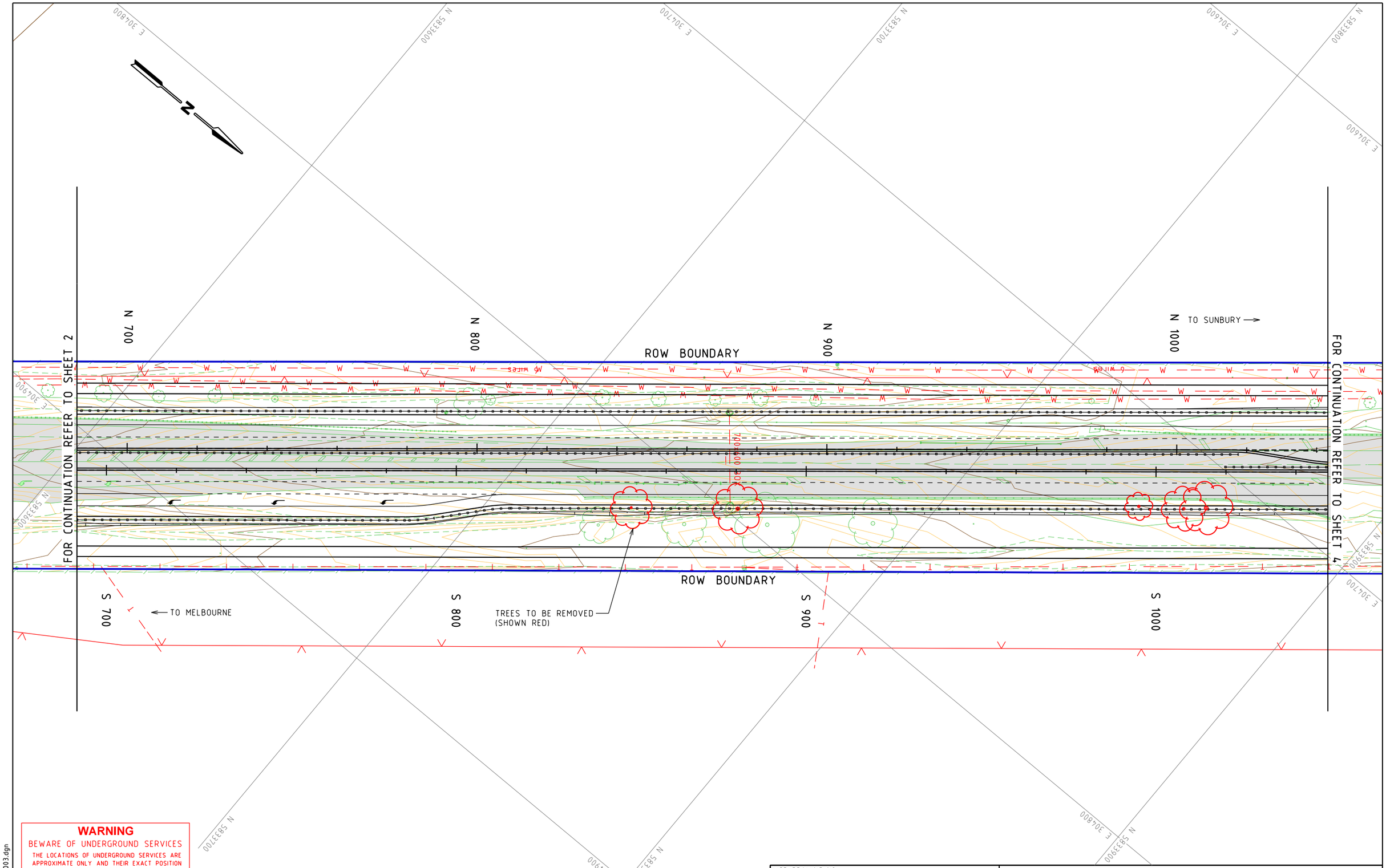

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WSP DRAWING NO.
2135645A-33-CIV-2003

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
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A	SB	06.12.18	ISSUE FOR TENDER

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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2003.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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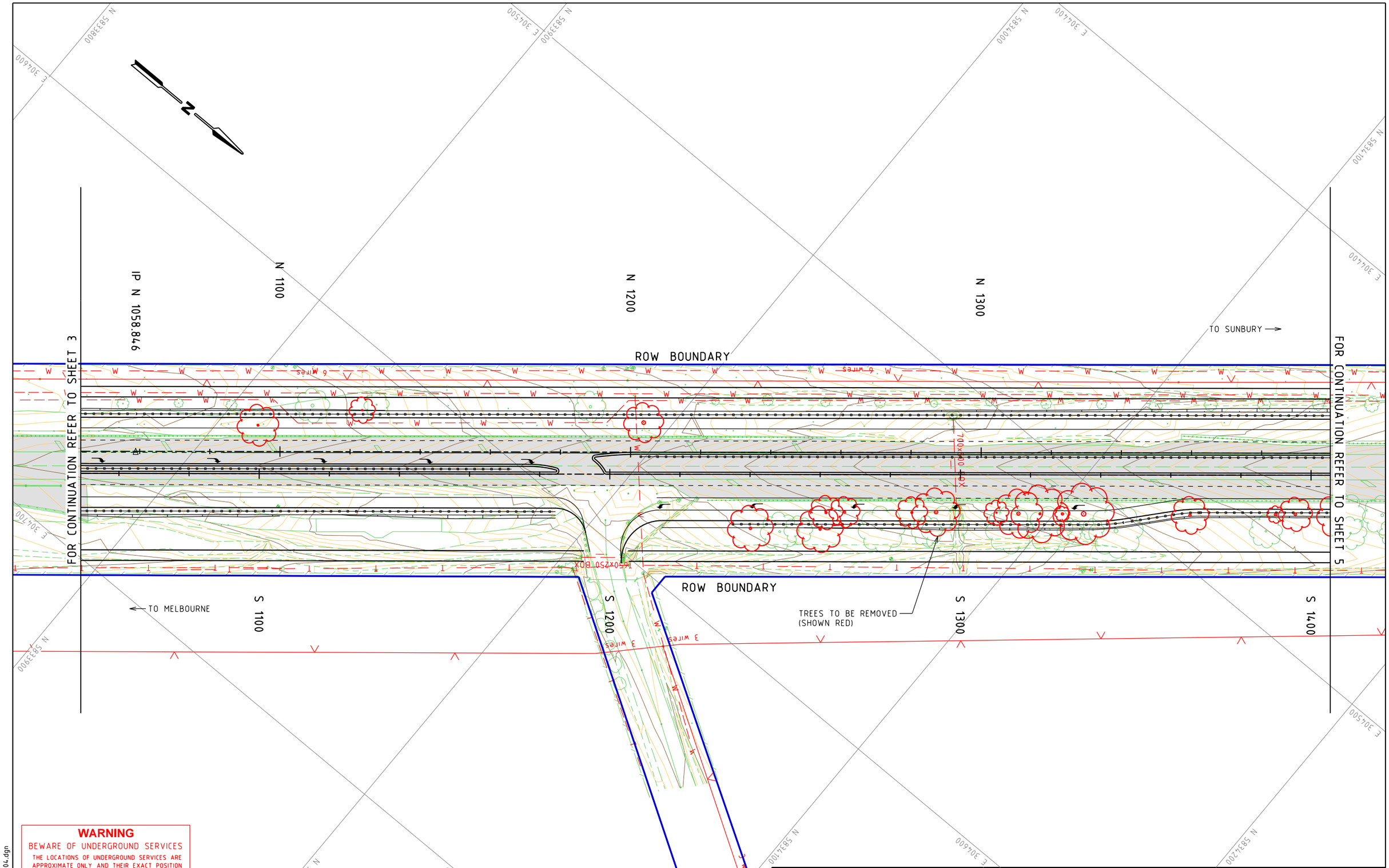

WARNING

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WSP DRAWING NO.
2135645A-33-CIV-2004

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
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A	SB	06.12.18	ISSUE FOR TENDER

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06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2004.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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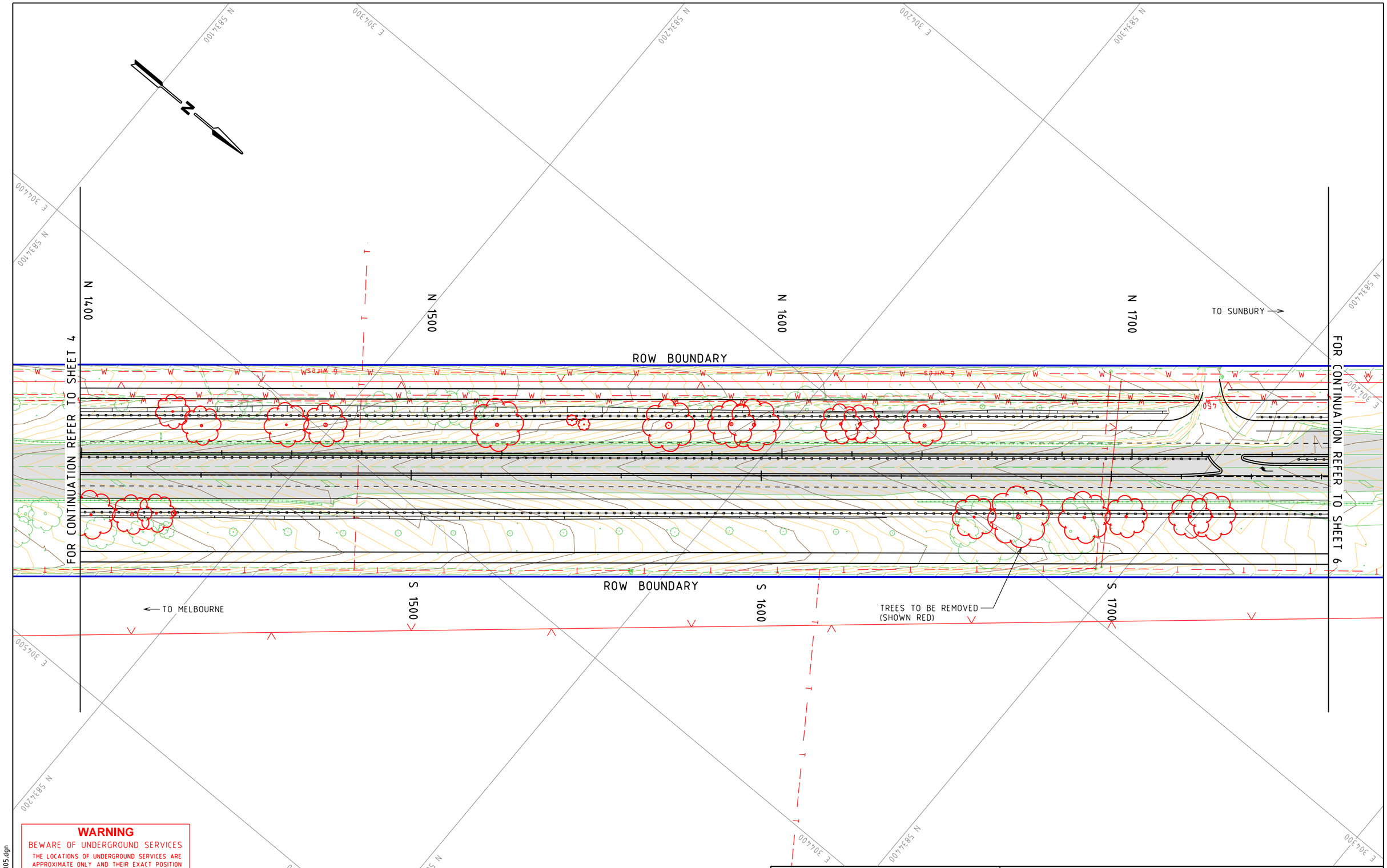

WARNING

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WSP DRAWING NO.
2135645A-33-CIV-2005

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
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A	SB	06.12.18	ISSUE FOR TENDER

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APPROVED
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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2005.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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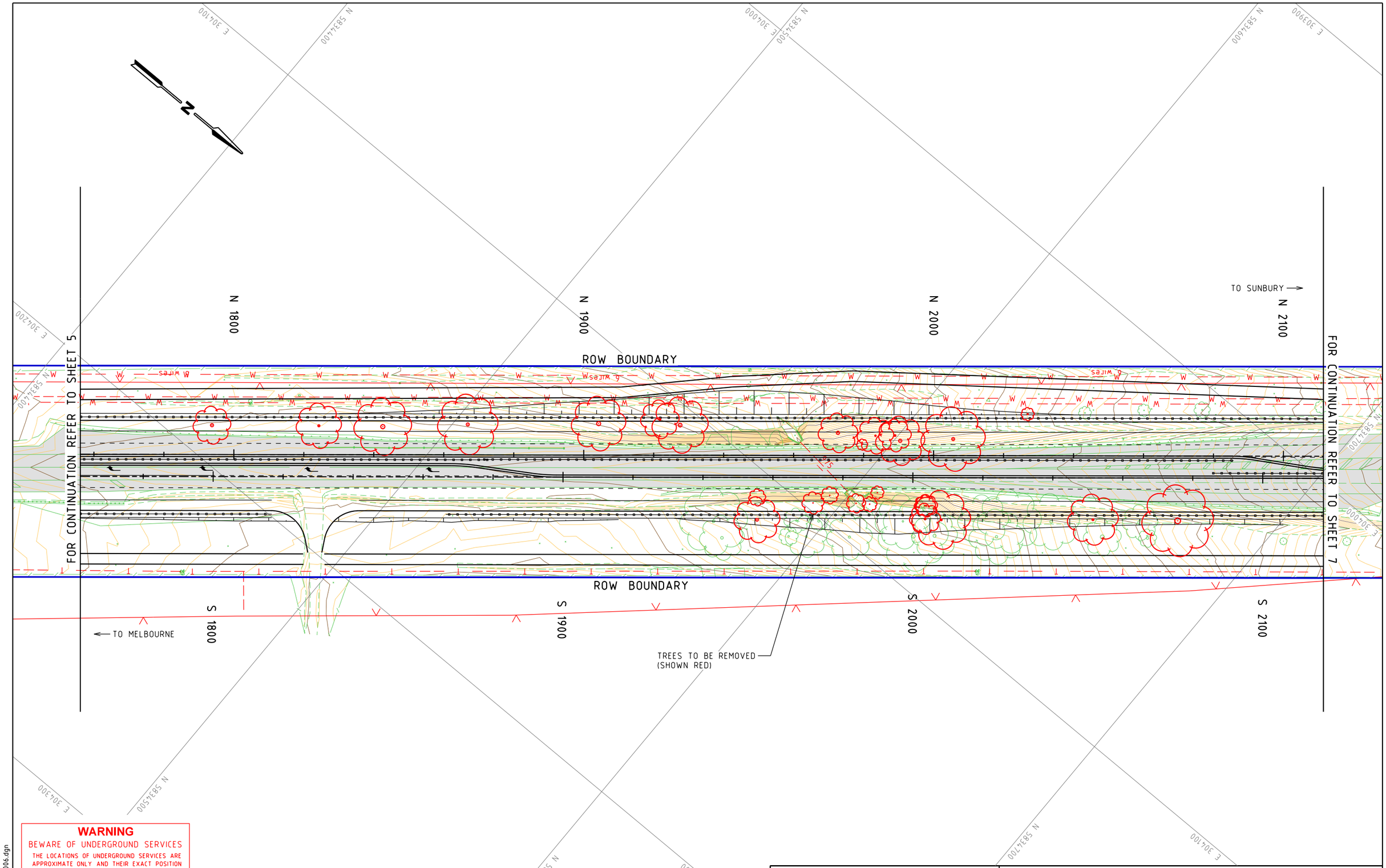

WARNING

BEWARE OF UNDERGROUND SERVICES

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WSP DRAWING NO.
2135645A-33-CIV-2006

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2006.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		6	CIV-2006	A

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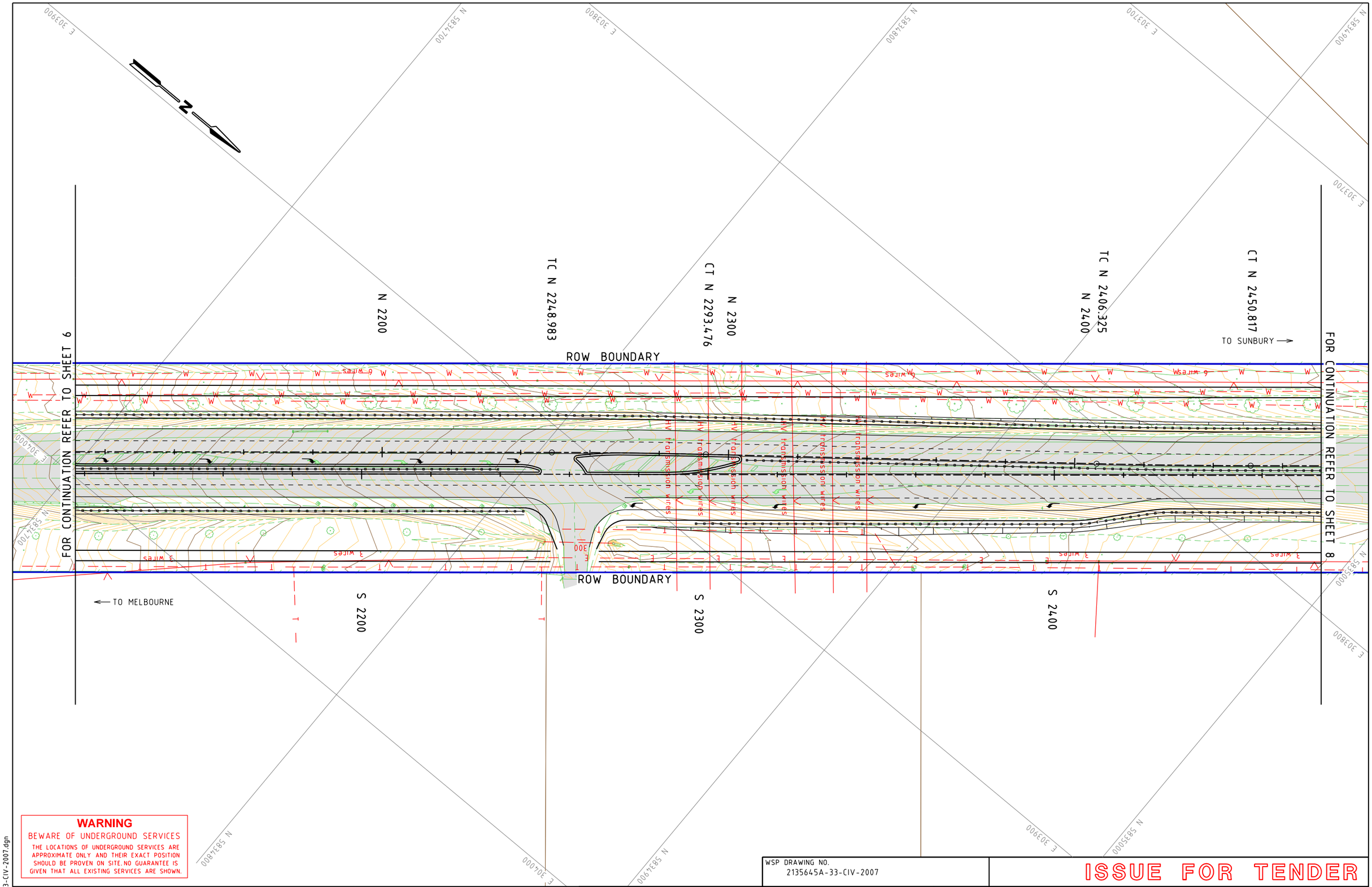

WARNING

BEWARE OF UNDERGROUND SERVICES

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ISSUE	APP'D	DATE	AMENDMENT
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO. 2135645A-33-CIV-2007

DESIGNED F. DE FAZIO 06.12.18

APPROVED S. BONG 06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2007.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		7	CIV-2007	A

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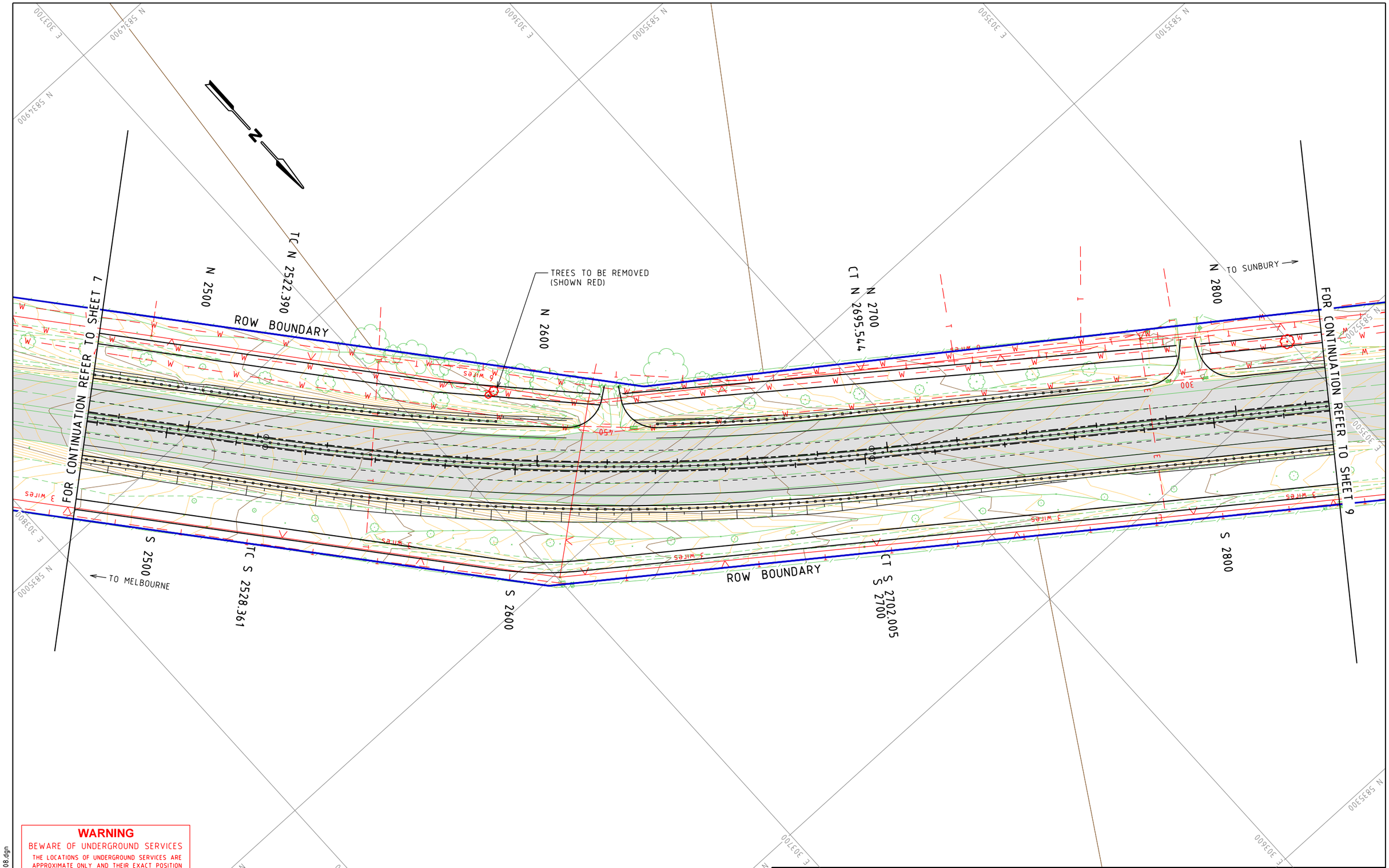

WARNING

BEWARE OF UNDERGROUND SERVICES

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ISSUE	APP'D	DATE	AMENDMENT
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-CIV-2008

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2008.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		8	CIV-2008	A

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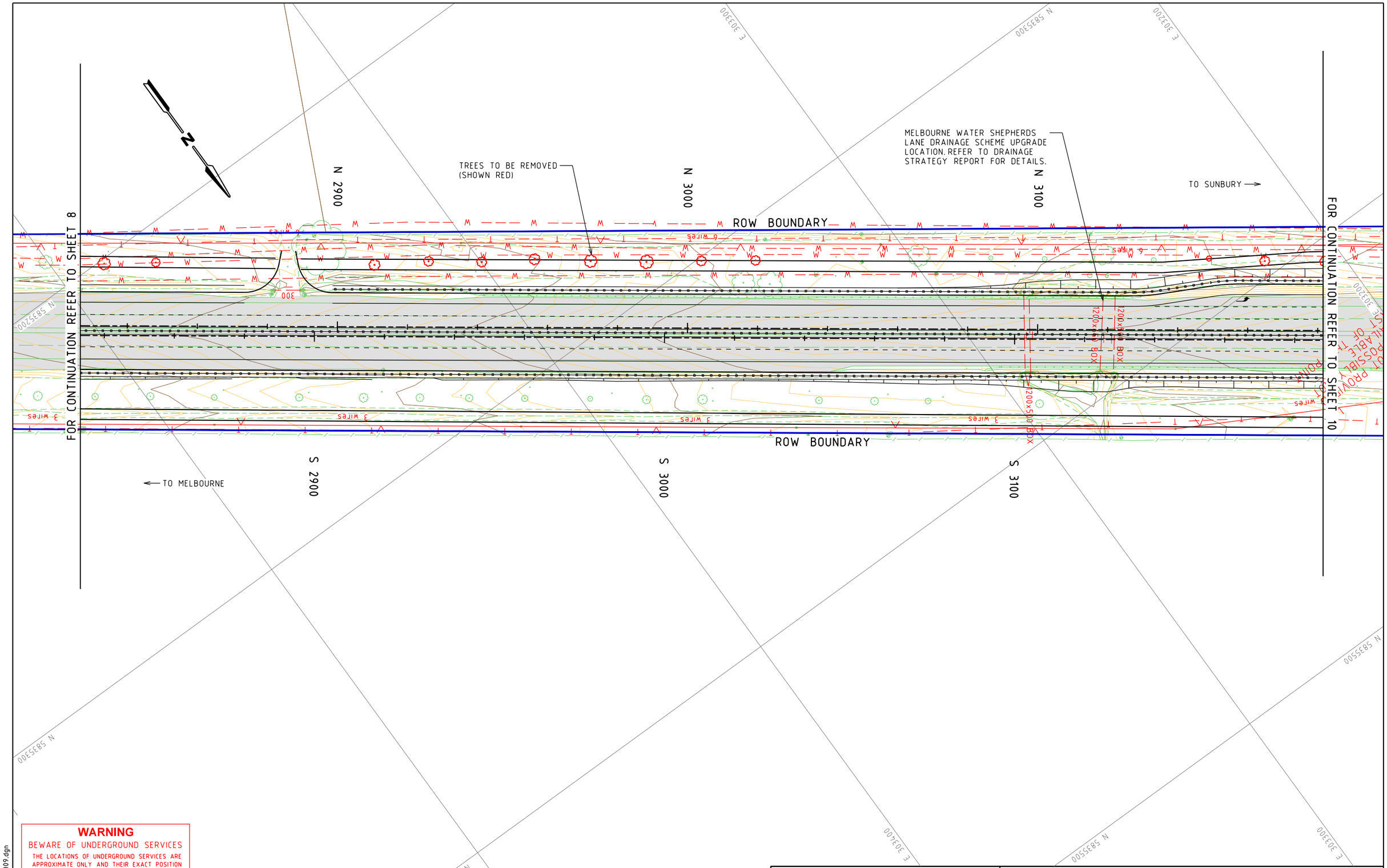

WARNING

BEWARE OF UNDERGROUND SERVICES

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A	SB	06.12.18	ISSUE FOR TENDER

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WSP DRAWING NO. 2135645A-33-CIV-2009

DESIGNED F. DE FAZIO 06.12.18

APPROVED S. BONG 06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2009.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

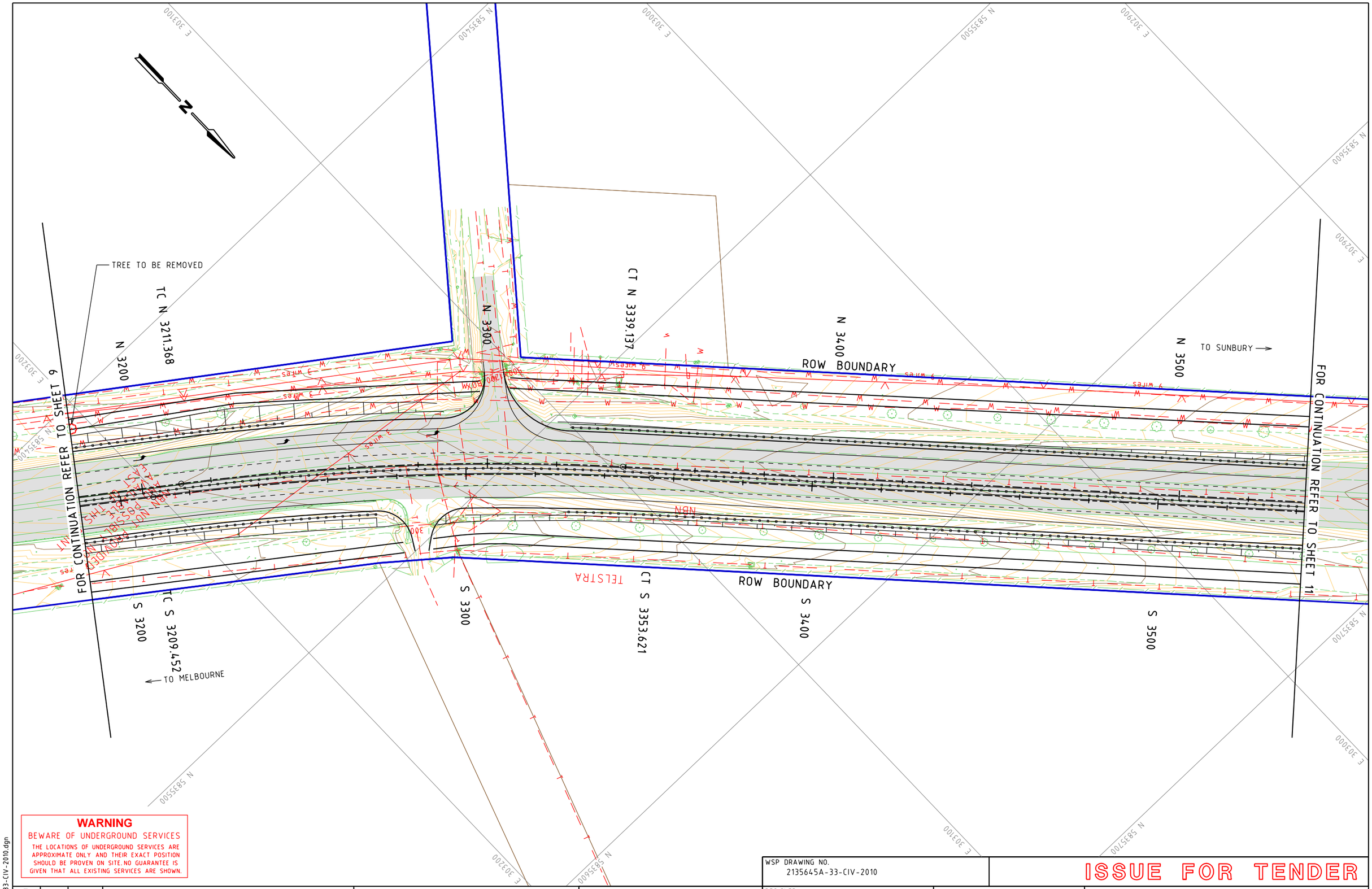
SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		9	CIV-2009	A

6/12/2018 1:08:35 PM Default 2135645A-33-CIV-2009.dgn



WARNING

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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-CIV-2010

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2010.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		10	CIV-2010	A

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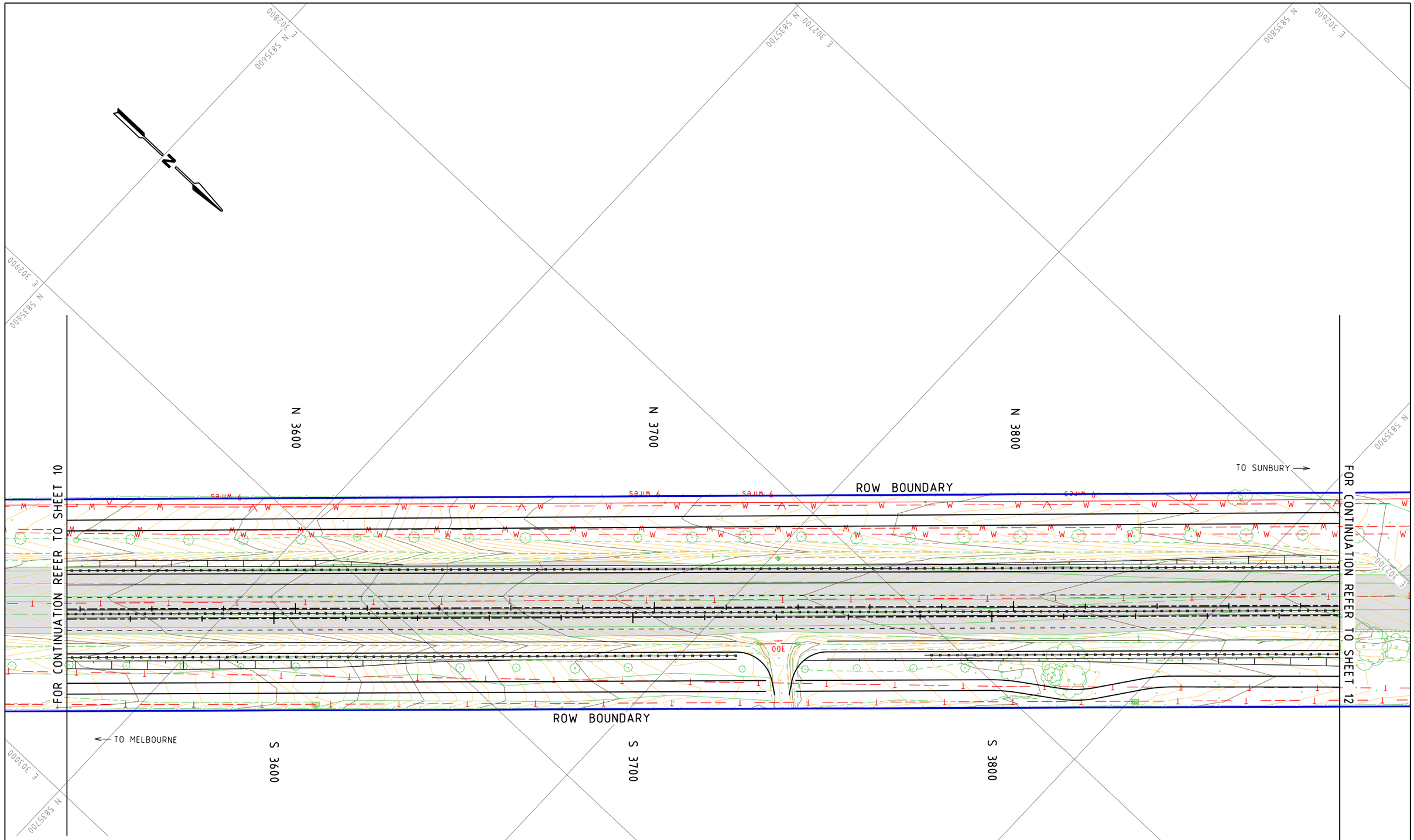

WARNING

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WSP DRAWING NO.
2135645A-33-CIV-2011

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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wsp.com

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2011.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		11	CIV-2011	A

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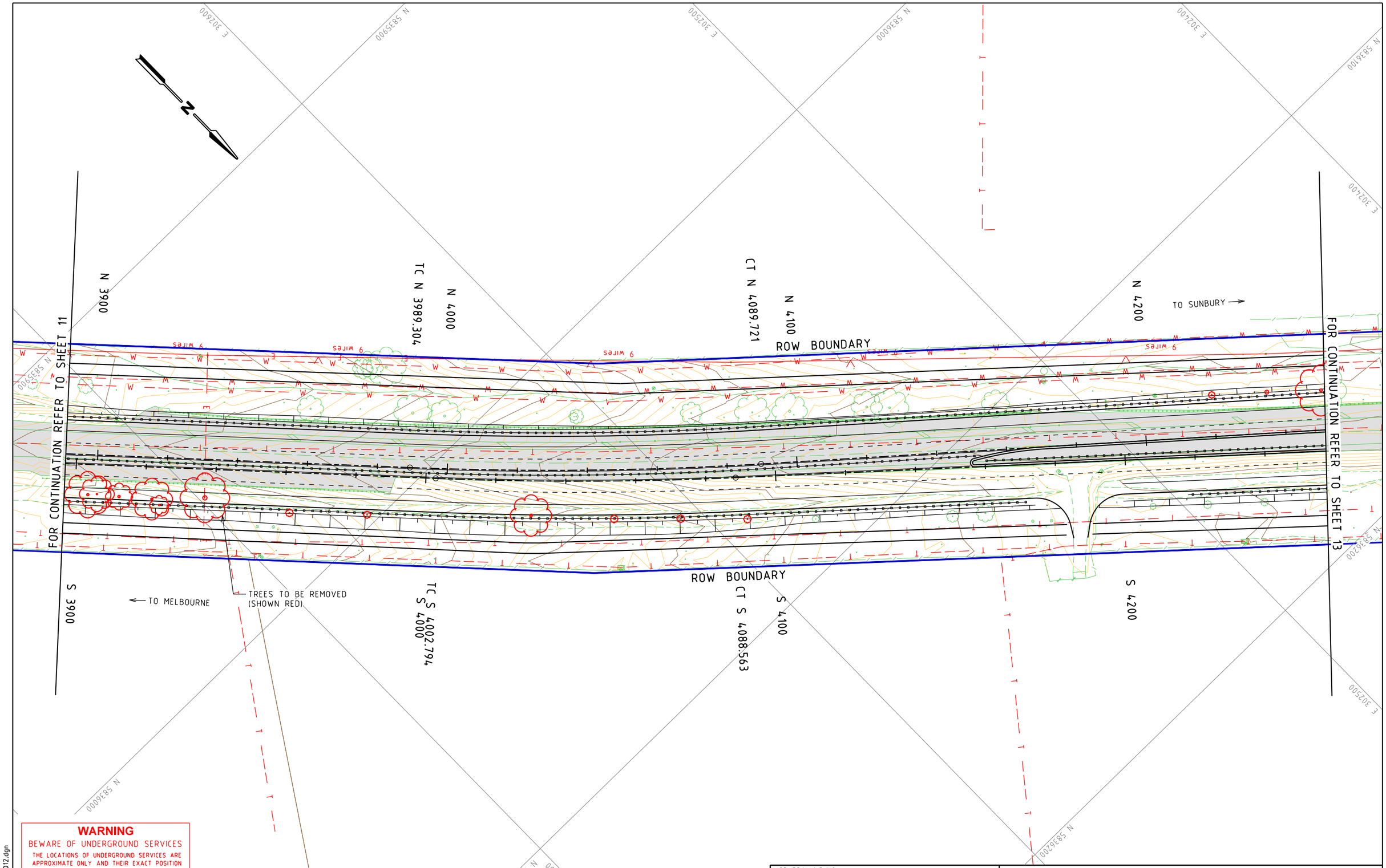

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-CIV-2012

DESIGNED
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APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2012.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		12	CIV-2012	A

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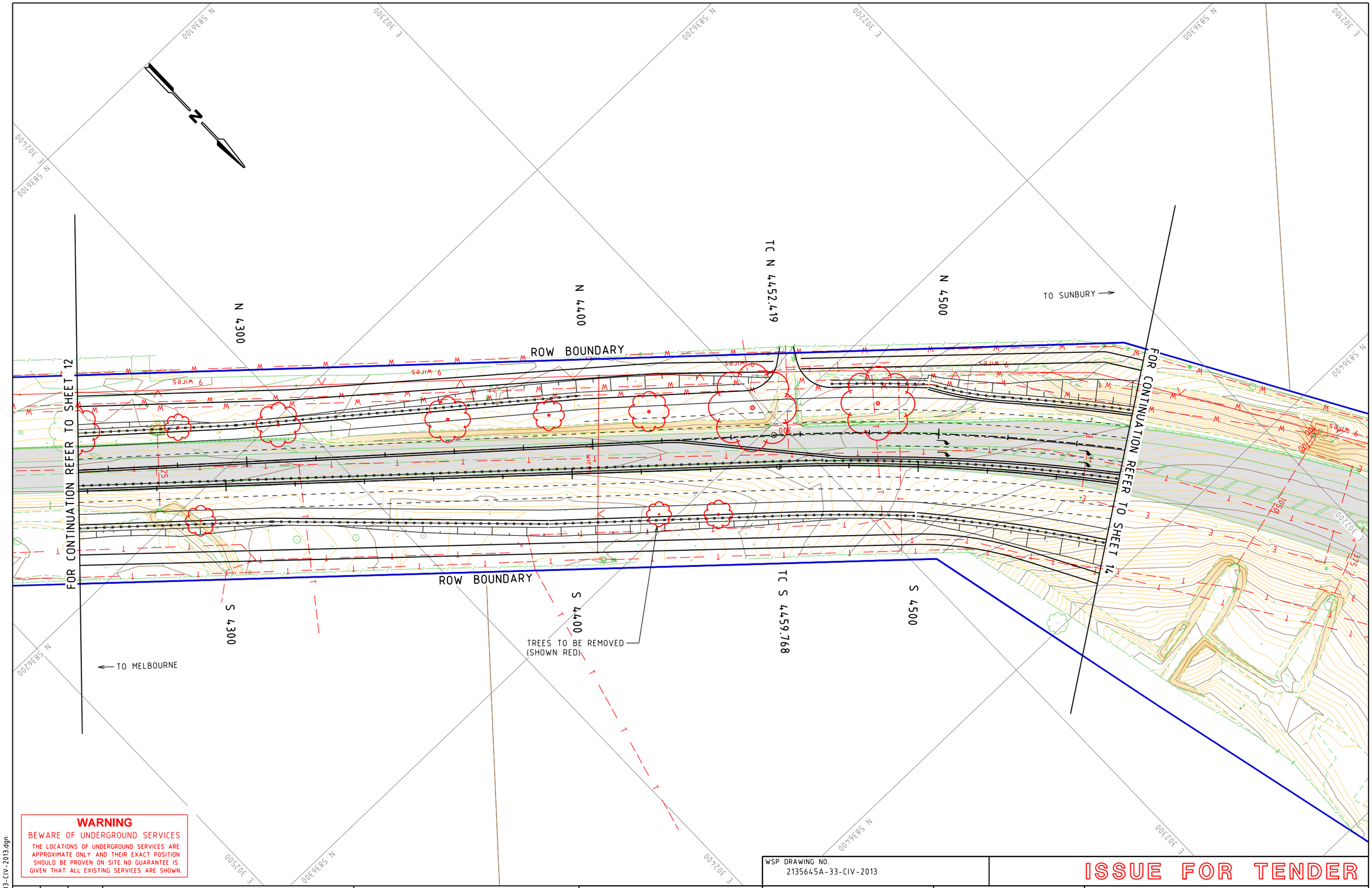

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WSP DRAWING NO.
2135645A-33-CIV-2013

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
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C			
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2013.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		13	CIV-2013	A

6/12/2018 1:08:59 PM Default 2135645A-33-CIV-2013.dgn

MELBOURNE WATER TURNBERRY DRIVE DRAINAGE SCHEME FUTURE WETLAND/RETARDING BASIN. REFER DRAINAGE STRATEGY REPORT FOR DETAILS.

N 4600

CT N 4637.387

N 4700

TC N 4761.180

N 4800

CT N 4844.345

N 4900

ROW BOUNDARY

TO SUNBURY

FOR CONTINUATION REFER TO SHEET 13

FOR CONTINUATION REFER TO SHEET 15

S 4600

CT S 4639.461

S 4700

TC S 4763.944

S 4800

CT S 4847.109

S 4900

ROW BOUNDARY

TREES TO BE REMOVED (SHOWN RED)

TO MELBOURNE

FOR CONTINUATION REFER TO SHEET 22

WARNING

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GENERAL NOTES

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wsp.com

WSP DRAWING NO.
2135645A-33-CIV-2014

DESIGNED
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06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2014.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

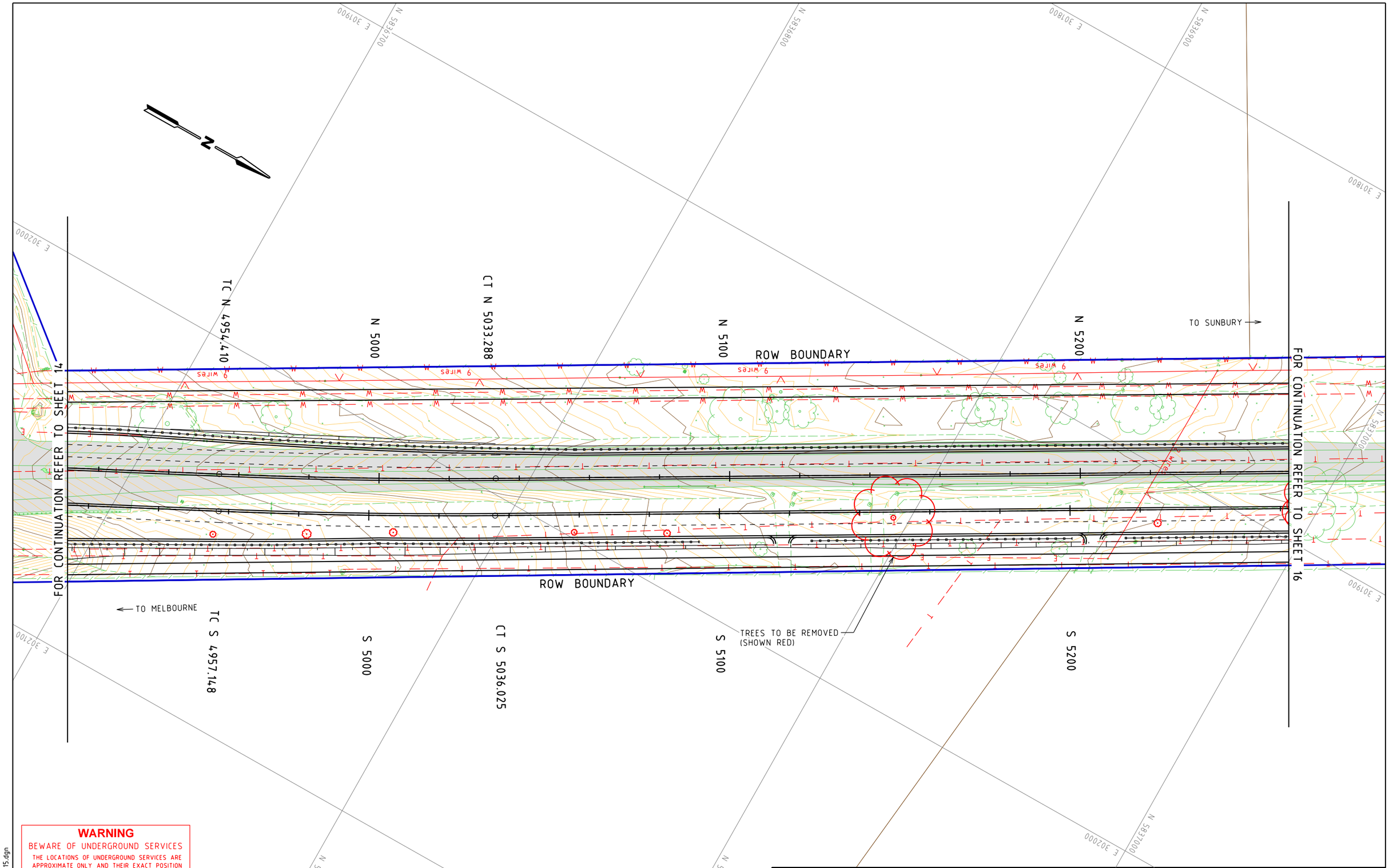
SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		14	CIV-2014	A

6/12/2018 1:09:05 PM Default 2135645A-33-CIV-2014.dgn



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WSP DRAWING NO.
2135645A-33-CIV-2015

ISSUE FOR TENDER

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06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2015.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		15	CIV-2015	A

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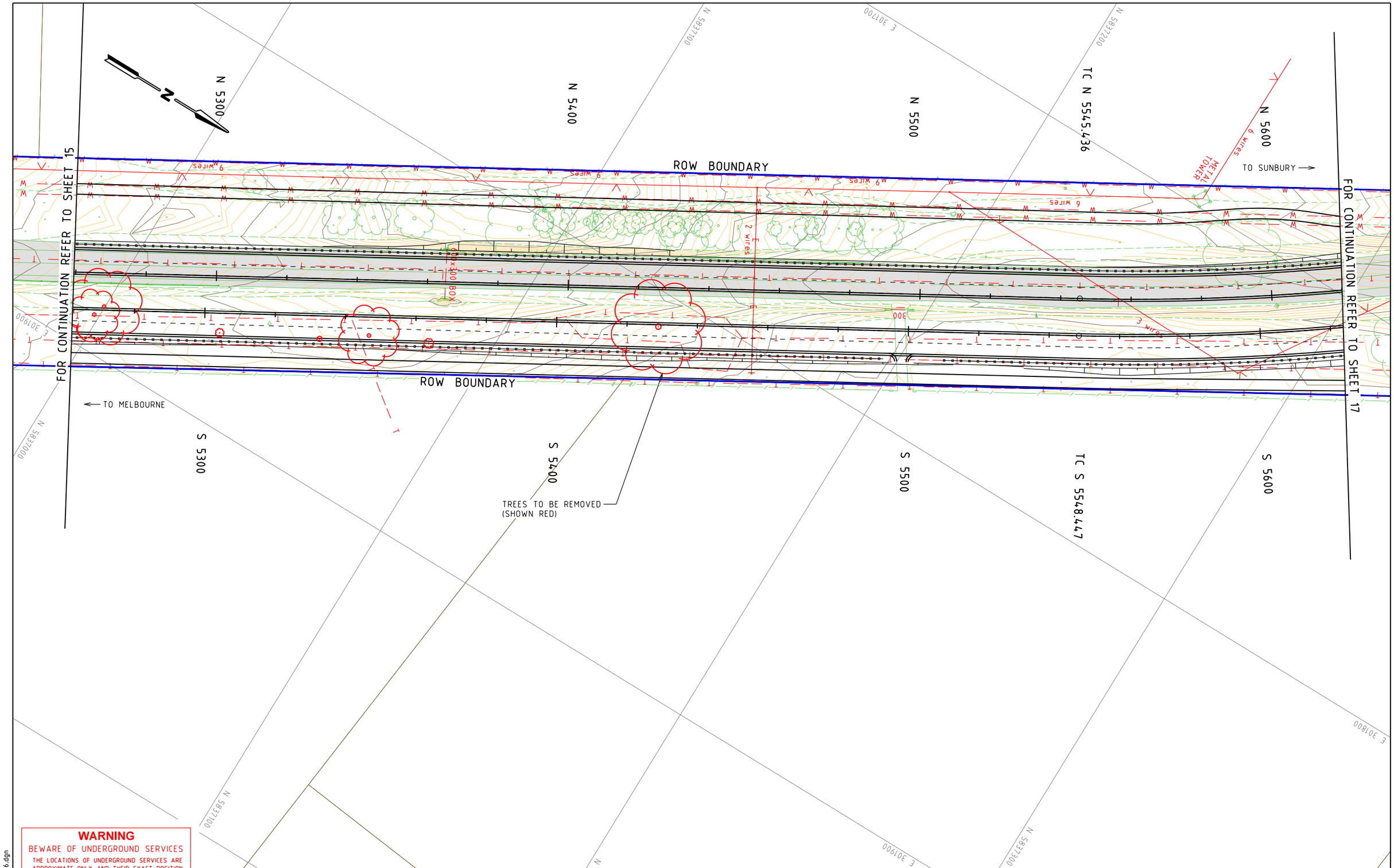

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WSP DRAWING NO.
2135645A-33-CIV-2016

DESIGNED
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06.12.18

APPROVED
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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2016.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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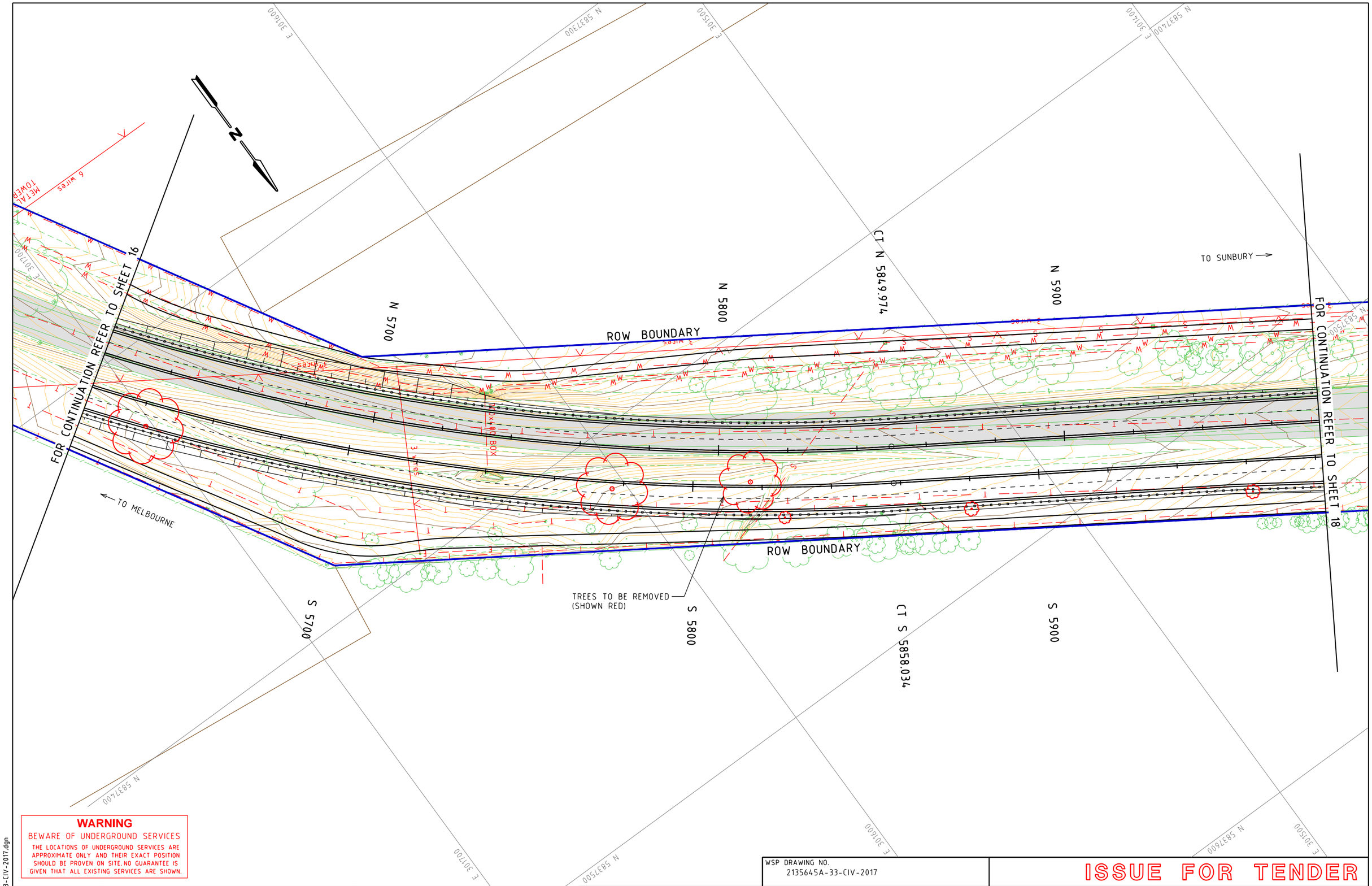

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WSP DRAWING NO.
2135645A-33-CIV-2017

DESIGNED
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06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2017.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		17	CIV-2017	A

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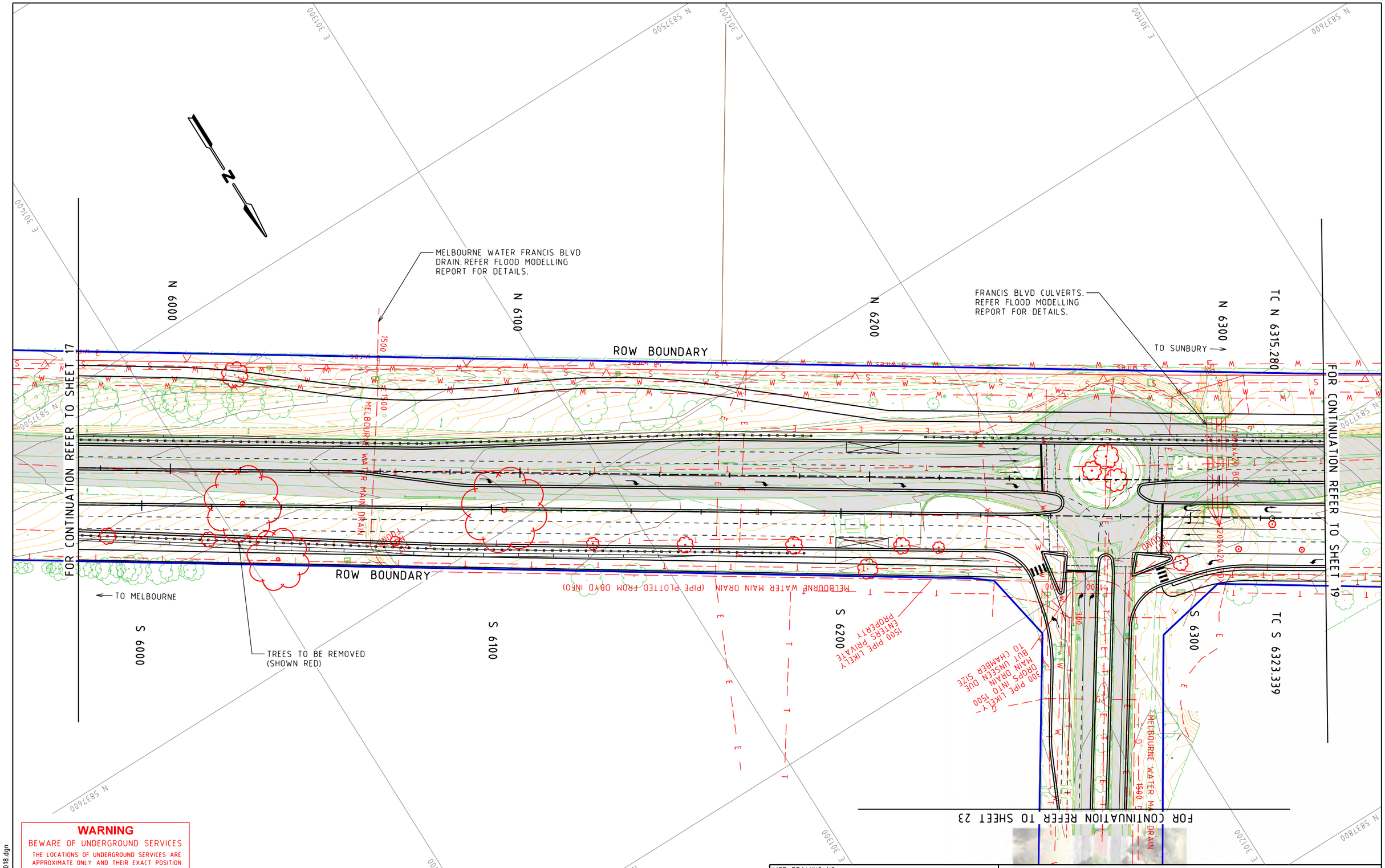

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WSP DRAWING NO.
2135645A-33-CIV-2018

ISSUE FOR TENDER

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A	SB	06.12.18	ISSUE FOR TENDER

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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
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MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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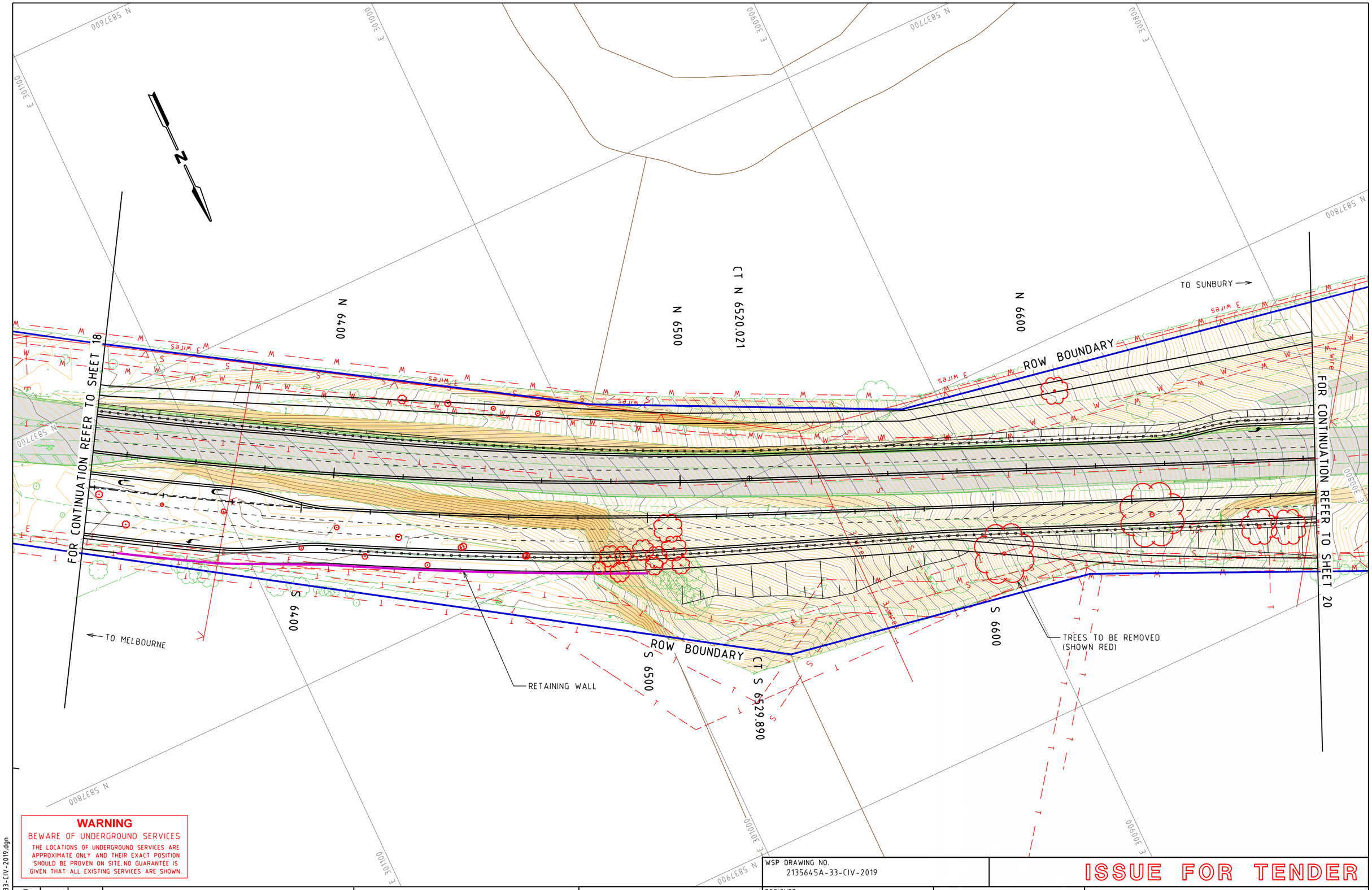

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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-CIV-2019

DESIGNED
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06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2019.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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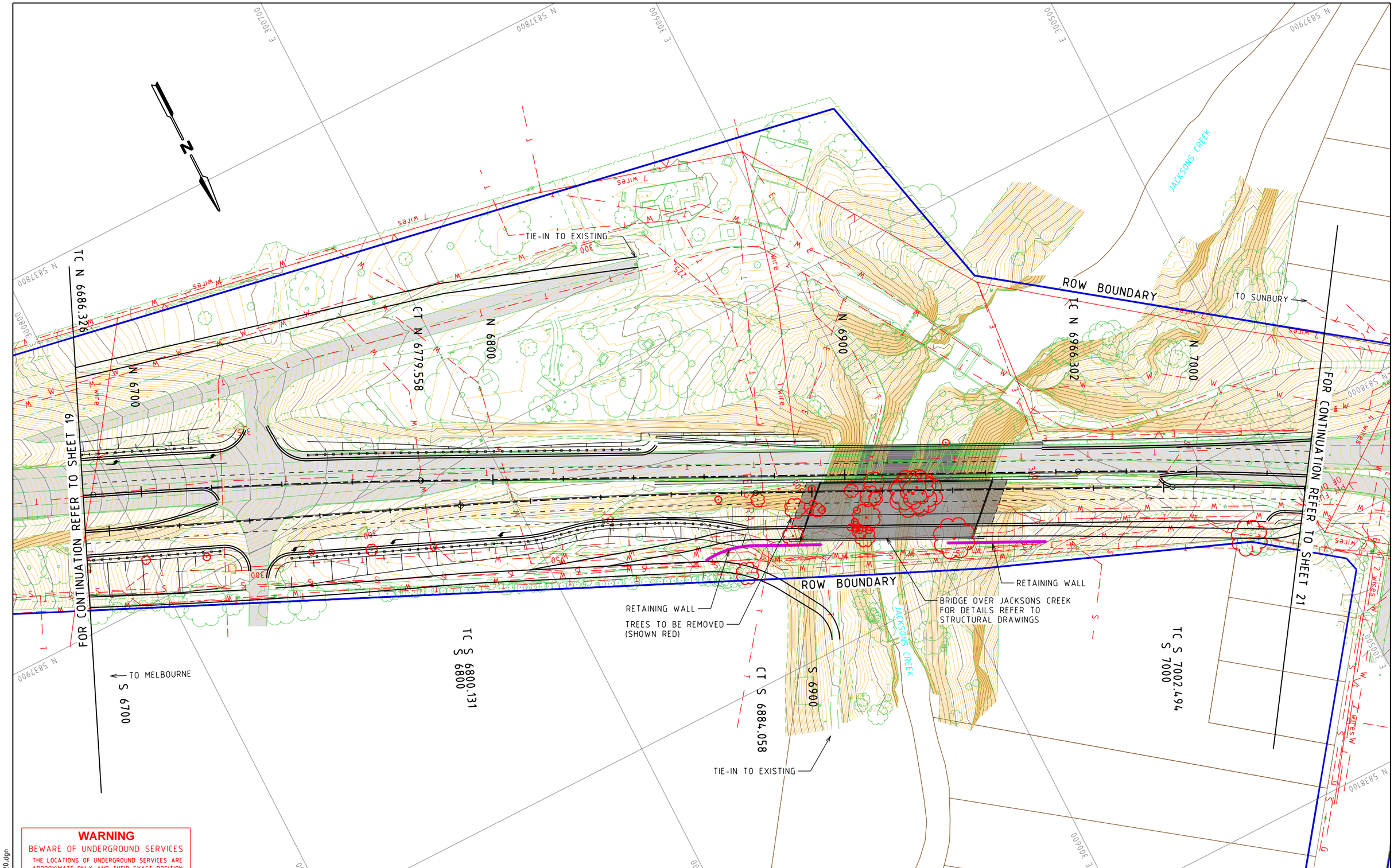

WARNING

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WSP DRAWING NO. 2135645A-33-CIV-2020

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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DESIGNED F. DE FAZIO 06.12.18

APPROVED S. BONG 06.12.18

CAT: PS101340_2135645A

PROJ: NORTHERN ROADS UPGRADE PROJECT

FILE: 2135645A-33-CIV-2020.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES HOR 0 10 20 VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		20	CIV-2020	A

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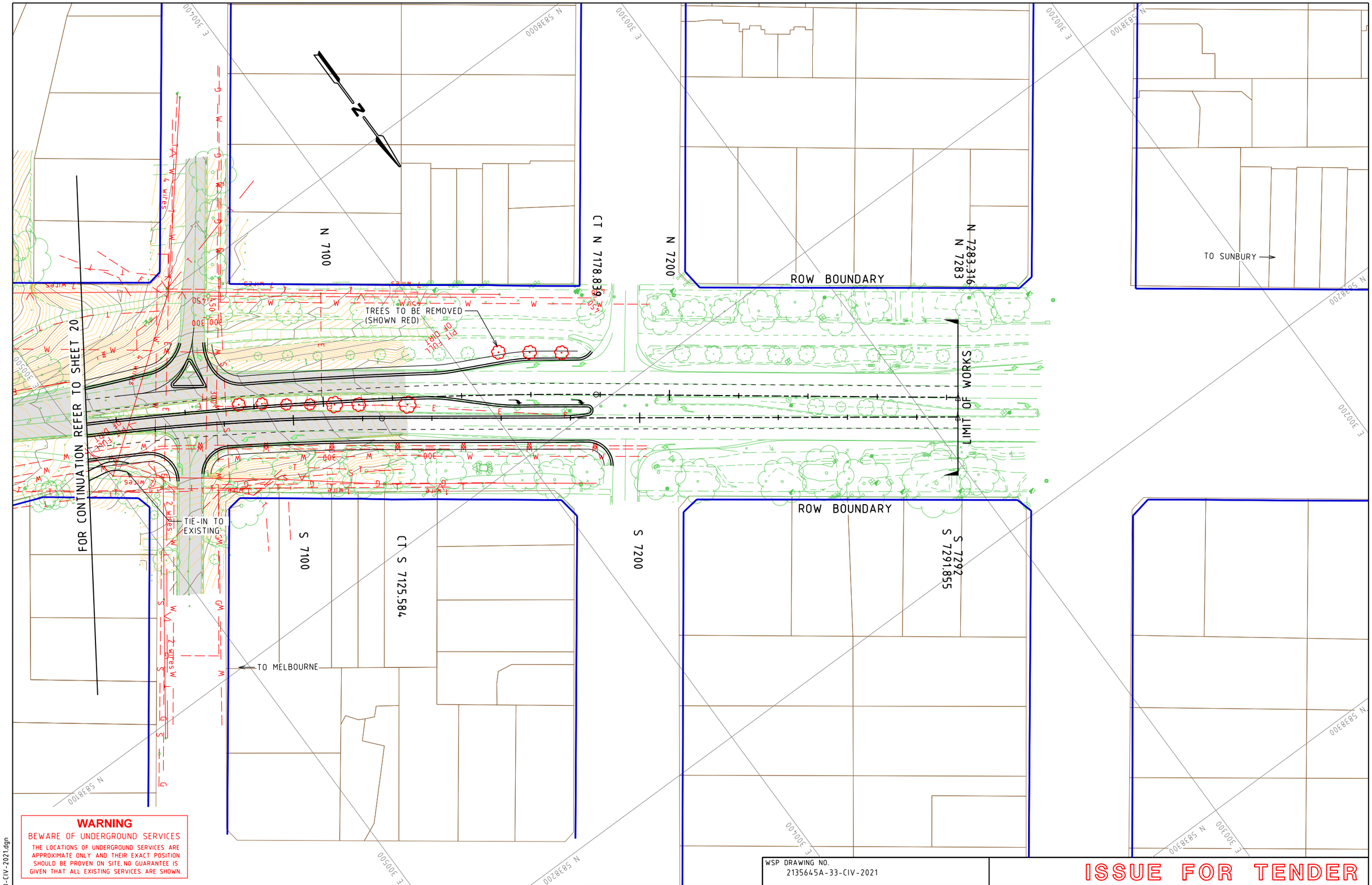

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WSP DRAWING NO. 2135645A-33-CIV-2021

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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DESIGNED F. DE FAZIO 06.12.18

APPROVED S. BONG 06.12.18

CAT: PS101340_2135645A

PROJ: NORTHERN ROADS UPGRADE PROJECT

FILE: 2135645A-33-CIV-2021.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		21	CIV-2021	A

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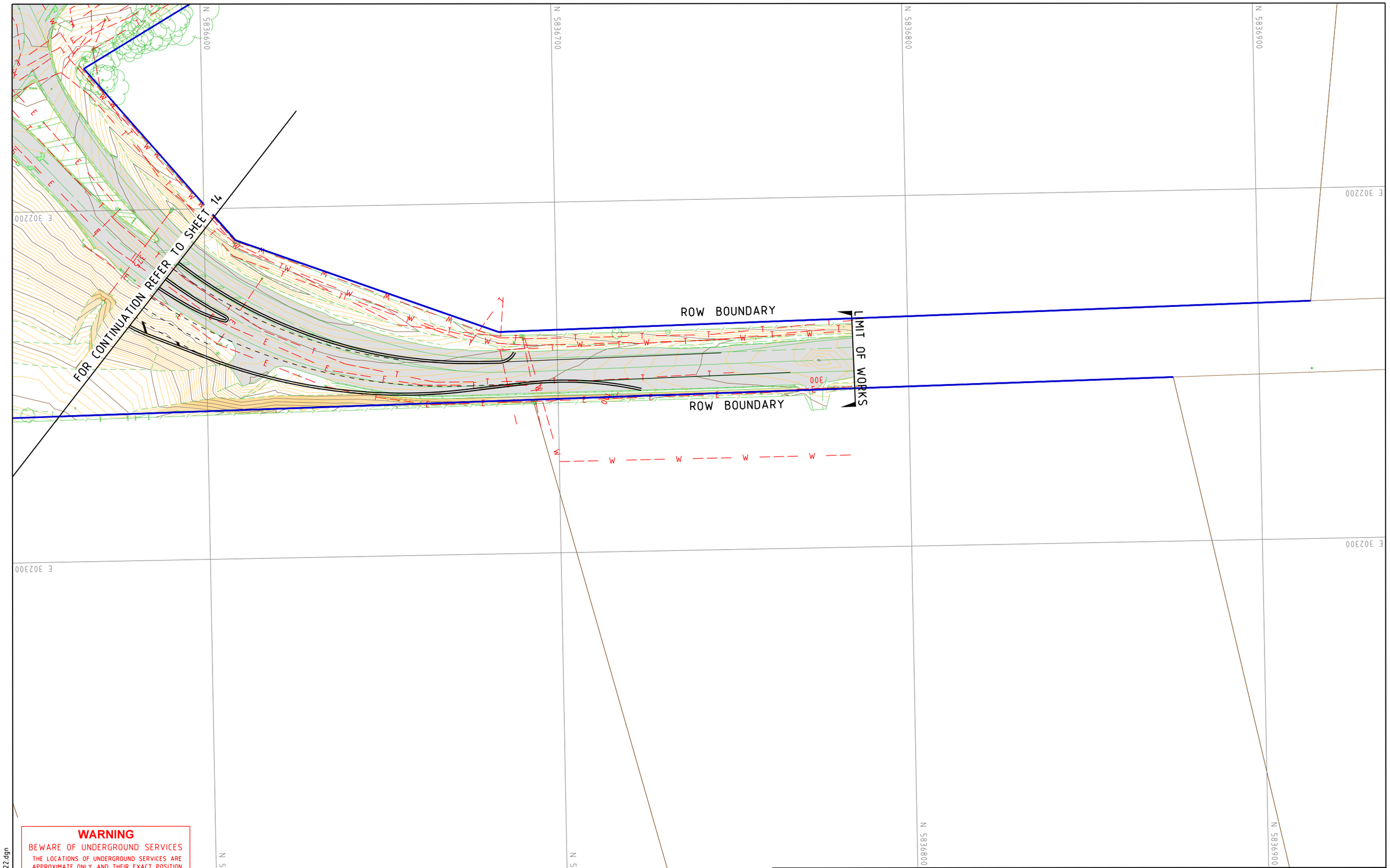

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GENERAL NOTES

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Level 15, 28 Freshwater Place, Southbank
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WSP DRAWING NO.
2135645A-33-CIV-2022

DESIGNED
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06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2020.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		22	CIV-2022	A

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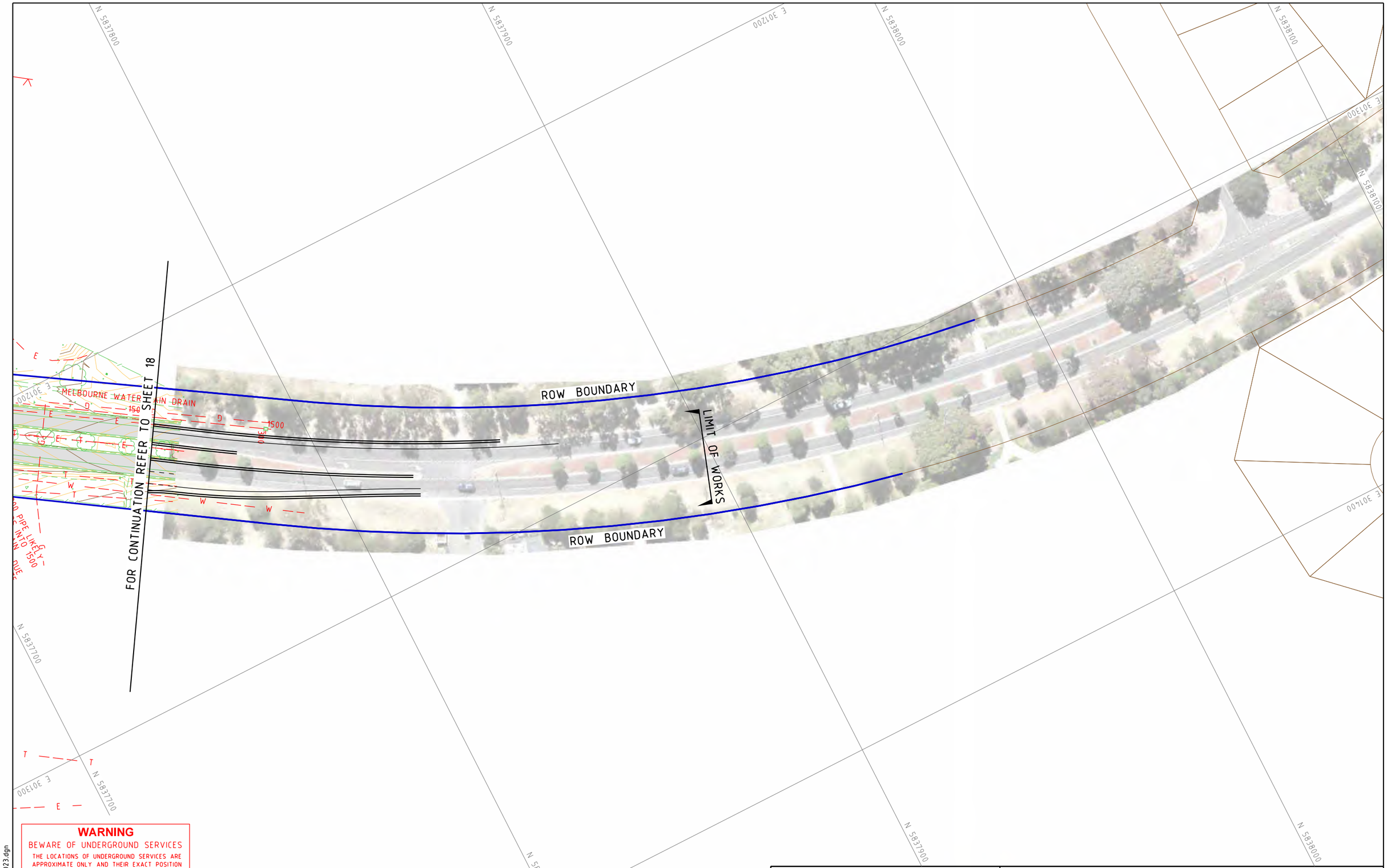

WARNING

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WSP DRAWING NO. 2135645A-33-CIV-2023

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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wsp.com

DESIGNED F. DE FAZIO 06.12.18

APPROVED S. BONG 06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-2021.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

ALIGNMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		23	CIV-2023	A

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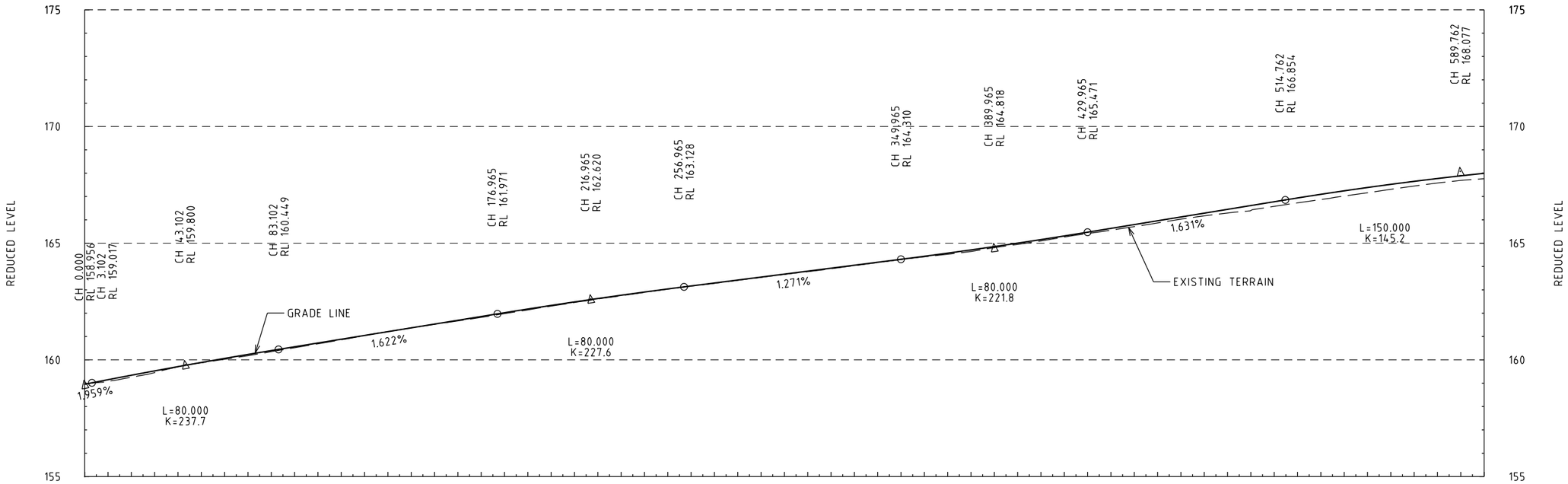

CHAINAGE	EXISTING SURFACE	GRADE LINE
0.000	158.96	158.956
10.000	159.08	159.151
20.000	159.25	159.342
30.000	159.46	159.528
40.000	159.71	159.711
50.000	159.87	159.889
60.000	160.02	160.063
70.000	160.18	160.233
80.000	160.35	160.398
90.000	160.52	160.561
100.000	160.69	160.723
110.000	160.86	160.885
120.000	161.04	161.047
130.000	161.21	161.210
140.000	161.37	161.372
150.000	161.52	161.534
160.000	161.67	161.696
170.000	161.82	161.858
180.000	161.98	162.020
190.000	162.14	162.179
200.000	162.30	162.333
210.000	162.46	162.483
220.000	162.61	162.629
230.000	162.75	162.770
240.000	162.89	162.906
250.000	163.04	163.039
260.000	163.17	163.167
270.000	163.28	163.294
280.000	163.41	163.421
290.000	163.53	163.548
300.000	163.66	163.675
310.000	163.78	163.802
320.000	163.90	163.929
330.000	164.04	164.056
340.000	164.17	164.183
350.000	164.30	164.310
360.000	164.41	164.440
370.000	164.53	164.574
380.000	164.64	164.712
390.000	164.81	164.855
400.000	164.94	165.002
410.000	165.09	165.154
420.000	165.26	165.310
430.000	165.41	165.471
440.000	165.56	165.634
450.000	165.71	165.797
460.000	165.87	165.961
470.000	166.03	166.124
480.000	166.17	166.287
490.000	166.29	166.450
500.000	166.40	166.613
510.000	166.58	166.776
520.000	166.73	166.938
530.000	166.87	167.094
540.000	167.02	167.244
550.000	167.16	167.386
560.000	167.31	167.521
570.000	167.45	167.650
580.000	167.58	167.771
590.000	167.69	167.886
600.000	167.76	167.994

WSP DRAWING NO.
2135645A-33-CIV-5001

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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wsp.com

DESIGNED
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06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5001.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		1	CIV-5001	A

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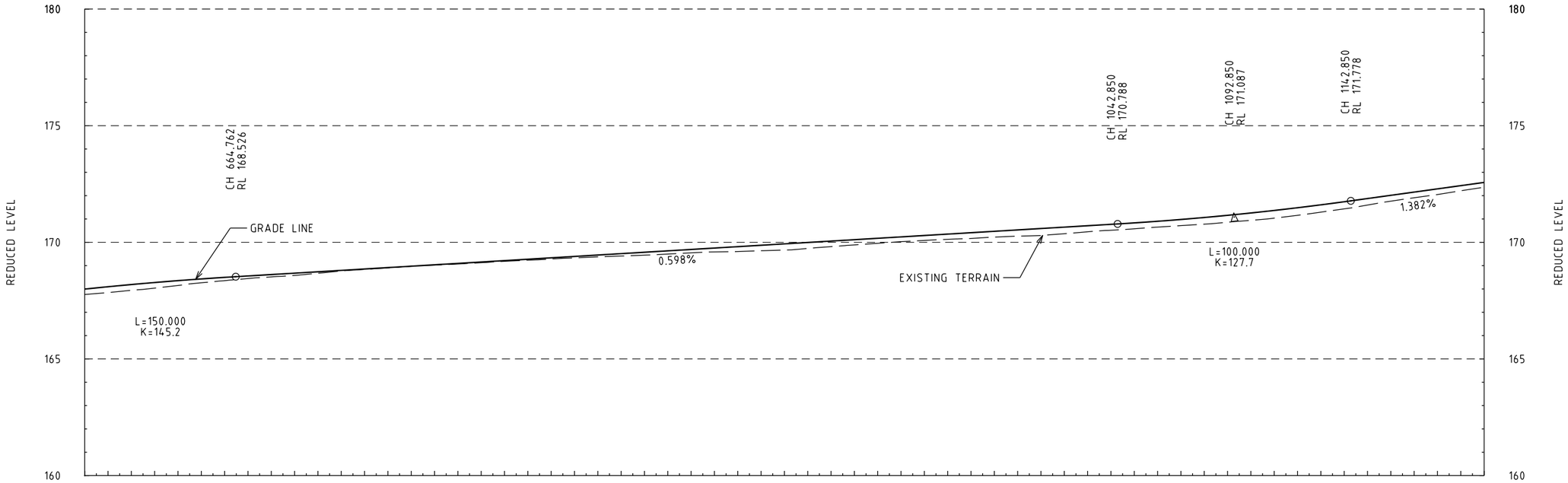

CHAINAGE	EXISTING SURFACE	GRADE LINE
600.000	167.76	167.994
610.000	167.84	168.095
620.000	167.94	168.189
630.000	168.04	168.276
640.000	168.15	168.357
650.000	168.27	168.430
660.000	168.36	168.497
670.000	168.45	168.557
680.000	168.52	168.617
690.000	168.58	168.677
700.000	168.67	168.737
710.000	168.77	168.797
720.000	168.84	168.856
730.000	168.90	168.916
740.000	168.97	168.976
750.000	169.02	169.036
760.000	169.07	169.096
770.000	169.13	169.155
780.000	169.18	169.215
790.000	169.23	169.275
800.000	169.28	169.335
810.000	169.33	169.395
820.000	169.38	169.455
830.000	169.41	169.514
840.000	169.45	169.574
850.000	169.50	169.634
860.000	169.55	169.694
870.000	169.59	169.754
880.000	169.60	169.814
890.000	169.64	169.873
900.000	169.67	169.933
910.000	169.74	169.993
920.000	169.82	170.053
930.000	169.89	170.113
940.000	169.96	170.172
950.000	170.03	170.232
960.000	170.08	170.292
970.000	170.13	170.352
980.000	170.16	170.412
990.000	170.22	170.472
1000.000	170.26	170.531
1010.000	170.29	170.591
1020.000	170.37	170.651
1030.000	170.45	170.711
1040.000	170.52	170.771
1050.000	170.58	170.832
1060.000	170.65	170.902
1070.000	170.72	170.979
1080.000	170.78	171.064
1090.000	170.86	171.157
1100.000	170.94	171.257
1110.000	171.04	171.366
1120.000	171.16	171.482
1130.000	171.29	171.607
1140.000	171.43	171.739
1150.000	171.60	171.876
1160.000	171.76	172.015
1170.000	171.91	172.153
1180.000	172.05	172.291
1190.000	172.21	172.429
1200.000	172.36	172.567

WSP DRAWING NO.
2135645A-33-CIV-5002

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
Melbourne, VIC 3006, Australia
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wsp.com

DESIGNED F. DE FAZIO 06.12.18
APPROVED S. BONG 06.12.18
CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5002.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		2	CIV-5002	A

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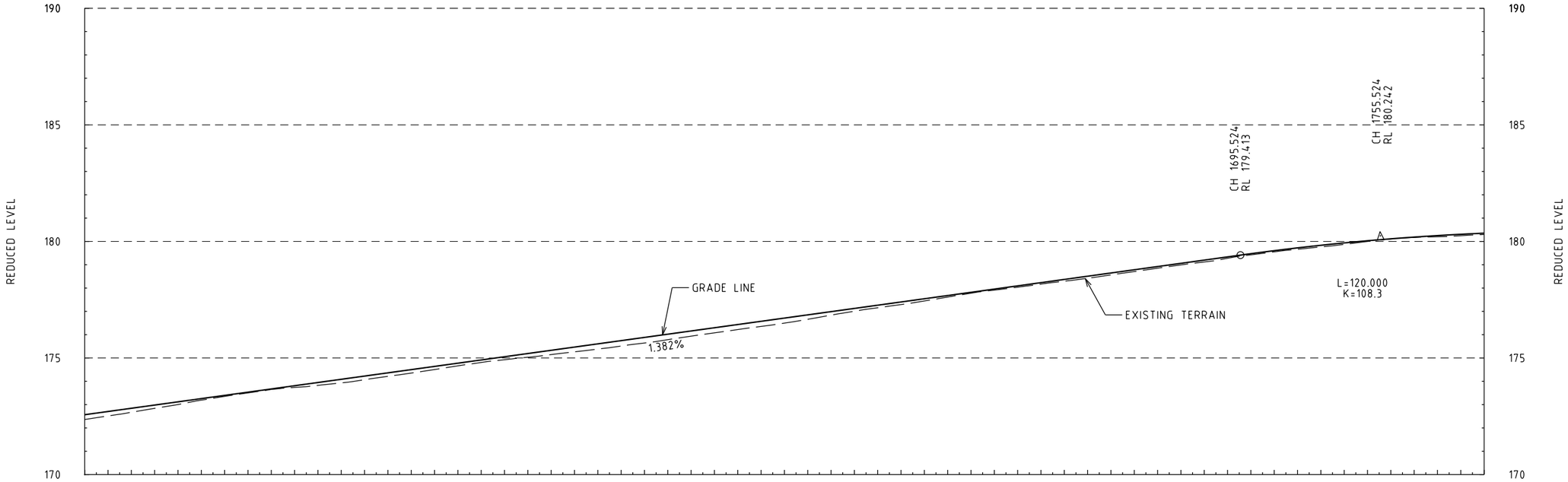

CHAINAGE	GRADE LINE	EXISTING SURFACE
1200.000	172.567	172.36
1210.000	172.705	172.51
1220.000	172.843	172.67
1230.000	172.982	172.84
1240.000	173.120	173.00
1250.000	173.258	173.19
1260.000	173.396	173.35
1270.000	173.534	173.50
1280.000	173.672	173.65
1290.000	173.811	173.74
1300.000	173.949	173.83
1310.000	174.087	173.93
1320.000	174.225	174.07
1330.000	174.363	174.21
1340.000	174.501	174.35
1350.000	174.639	174.51
1360.000	174.778	174.66
1370.000	174.916	174.81
1380.000	175.054	174.93
1390.000	175.192	175.03
1400.000	175.330	175.15
1410.000	175.468	175.26
1420.000	175.607	175.38
1430.000	175.745	175.51
1440.000	175.883	175.64
1450.000	176.021	175.79
1460.000	176.159	175.94
1470.000	176.297	176.08
1480.000	176.436	176.22
1490.000	176.574	176.35
1500.000	176.712	176.50
1510.000	176.850	176.66
1520.000	176.988	176.84
1530.000	177.126	177.01
1540.000	177.264	177.15
1550.000	177.403	177.29
1560.000	177.541	177.45
1570.000	177.679	177.61
1580.000	177.817	177.78
1590.000	177.955	177.91
1600.000	178.093	178.04
1610.000	178.232	178.17
1620.000	178.370	178.29
1630.000	178.508	178.42
1640.000	178.646	178.56
1650.000	178.784	178.71
1660.000	178.922	178.85
1670.000	179.060	178.99
1680.000	179.199	179.12
1690.000	179.337	179.28
1700.000	179.474	179.42
1710.000	179.603	179.55
1720.000	179.724	179.66
1730.000	179.835	179.76
1740.000	179.936	179.87
1750.000	180.029	180.00
1760.000	180.112	180.11
1770.000	180.186	180.17
1780.000	180.251	180.20
1790.000	180.306	180.25
1800.000	180.353	180.30

ISSUE	APP'D	DATE	AMENDMENT
E			
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
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WSP DRAWING NO.
2135645A-33-CIV-5003

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5003.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		3	CIV-5003	A

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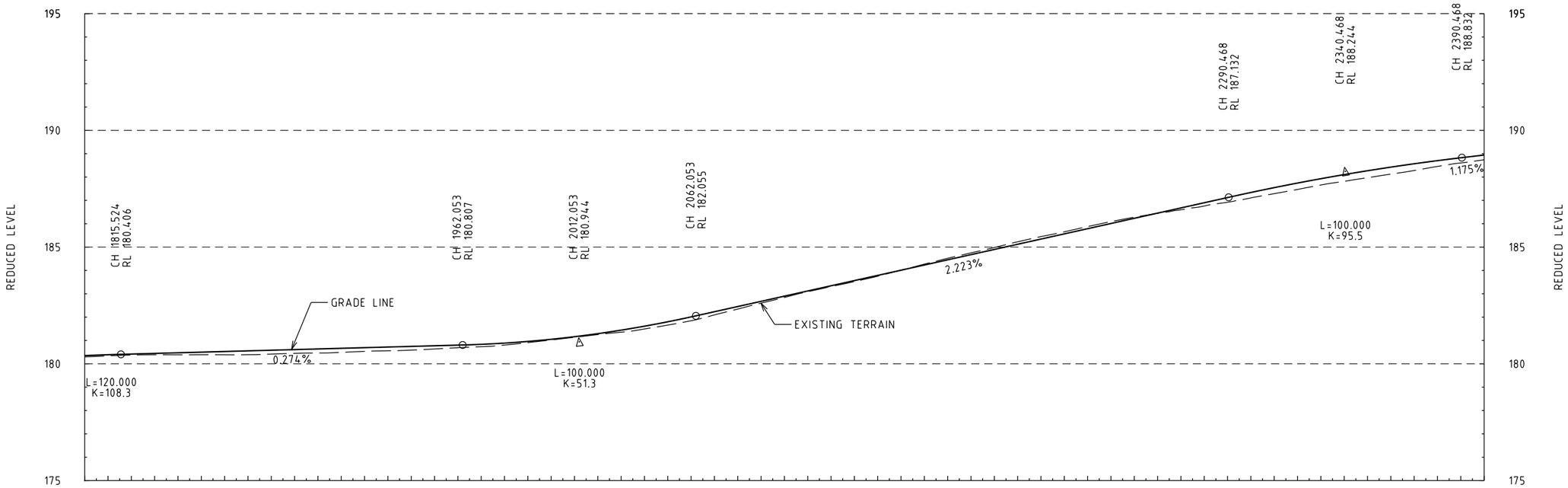

CHAINAGE	EXISTING SURFACE	GRADE LINE
1800.000	180.30	180.353
1810.000	180.34	180.390
1820.000	180.37	180.418
1830.000	180.39	180.446
1840.000	180.39	180.473
1850.000	180.39	180.500
1860.000	180.39	180.528
1870.000	180.39	180.555
1880.000	180.42	180.583
1890.000	180.45	180.610
1900.000	180.46	180.637
1910.000	180.49	180.665
1920.000	180.53	180.692
1930.000	180.56	180.719
1940.000	180.59	180.747
1950.000	180.64	180.774
1960.000	180.69	180.801
1970.000	180.73	180.835
1980.000	180.80	180.887
1990.000	180.91	180.960
2000.000	181.02	181.051
2010.000	181.14	181.162
2020.000	181.25	181.293
2030.000	181.36	181.443
2040.000	181.49	181.612
2050.000	181.66	181.801
2060.000	181.85	182.010
2070.000	182.10	182.232
2080.000	182.34	182.454
2090.000	182.60	182.676
2100.000	182.84	182.899
2110.000	183.09	183.121
2120.000	183.31	183.343
2130.000	183.52	183.566
2140.000	183.75	183.788
2150.000	184.01	184.010
2160.000	184.27	184.232
2170.000	184.52	184.455
2180.000	184.75	184.677
2190.000	184.98	184.899
2200.000	185.23	185.122
2210.000	185.45	185.344
2220.000	185.65	185.566
2230.000	185.88	185.788
2240.000	186.09	186.011
2250.000	186.28	186.233
2260.000	186.44	186.455
2270.000	186.60	186.678
2280.000	186.76	186.900
2290.000	186.92	187.122
2300.000	187.11	187.340
2310.000	187.29	187.547
2320.000	187.47	187.743
2330.000	187.66	187.929
2340.000	187.82	188.105
2350.000	187.97	188.270
2360.000	188.13	188.425
2370.000	188.28	188.569
2380.000	188.46	188.703
2390.000	188.60	188.826
2400.000	188.74	188.944

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
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A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
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Melbourne, VIC 3006, Australia
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wsp.com

WSP DRAWING NO.
2135645A-33-CIV-5004

ISSUE FOR TENDER

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5004.dgn

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		4	CIV-5004	A

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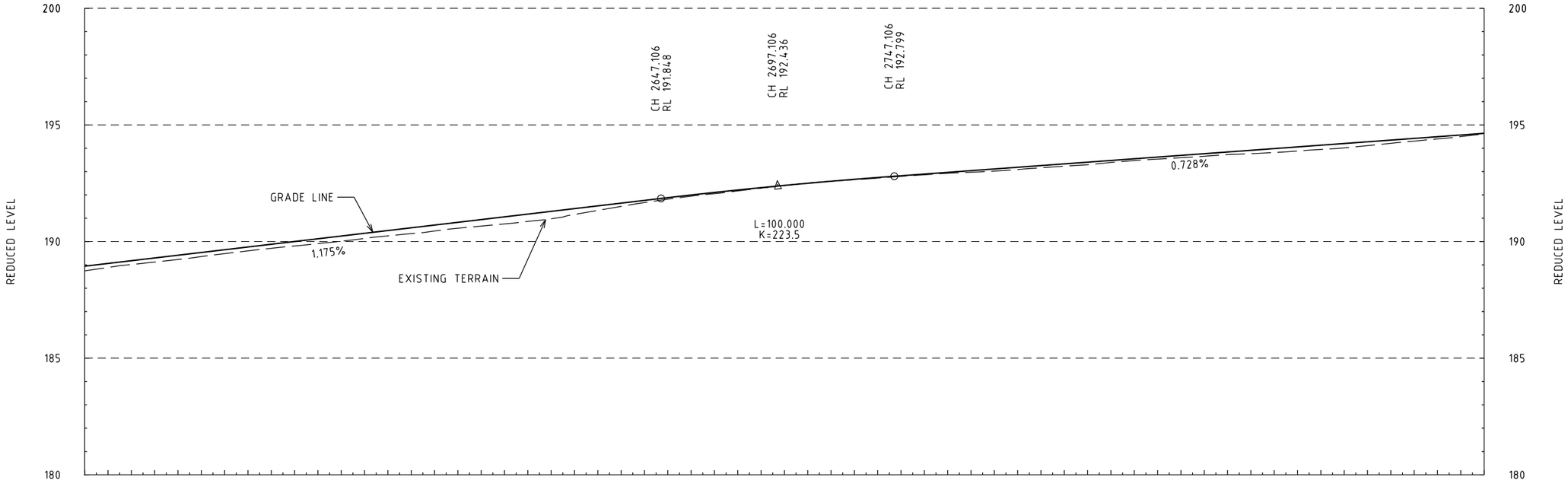

CHAINAGE	GRADE LINE	EXISTING SURFACE
2400.000	188.944	188.74
2410.000	189.061	188.89
2420.000	189.179	189.02
2430.000	189.296	189.12
2440.000	189.414	189.23
2450.000	189.531	189.36
2460.000	189.649	189.48
2470.000	189.766	189.60
2480.000	189.884	189.71
2490.000	190.001	189.81
2500.000	190.119	189.91
2510.000	190.236	190.01
2520.000	190.354	190.13
2530.000	190.472	190.25
2540.000	190.589	190.34
2550.000	190.707	190.45
2560.000	190.824	190.57
2570.000	190.942	190.66
2580.000	191.059	190.76
2590.000	191.177	190.86
2600.000	191.294	190.98
2610.000	191.412	191.16
2620.000	191.529	191.34
2630.000	191.647	191.51
2640.000	191.764	191.67
2650.000	191.882	191.82
2660.000	191.996	191.95
2670.000	192.105	192.05
2680.000	192.210	192.17
2690.000	192.311	192.29
2700.000	192.407	192.40
2710.000	192.499	192.51
2720.000	192.586	192.59
2730.000	192.668	192.65
2740.000	192.747	192.72
2750.000	192.821	192.79
2760.000	192.893	192.86
2770.000	192.966	192.93
2780.000	193.039	192.97
2790.000	193.112	193.02
2800.000	193.184	193.09
2810.000	193.257	193.16
2820.000	193.330	193.23
2830.000	193.403	193.29
2840.000	193.476	193.39
2850.000	193.548	193.47
2860.000	193.621	193.53
2870.000	193.694	193.59
2880.000	193.767	193.66
2890.000	193.839	193.73
2900.000	193.912	193.77
2910.000	193.985	193.82
2920.000	194.058	193.88
2930.000	194.131	193.95
2940.000	194.203	194.02
2950.000	194.276	194.11
2960.000	194.349	194.21
2970.000	194.422	194.31
2980.000	194.495	194.40
2990.000	194.567	194.50
3000.000	194.640	194.61

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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Level 15, 28 Freshwater Place, Southbank
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WSP DRAWING NO.
2135645A-33-CIV-5005

ISSUE FOR TENDER

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5005.dgn

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		5	CIV-5005	A

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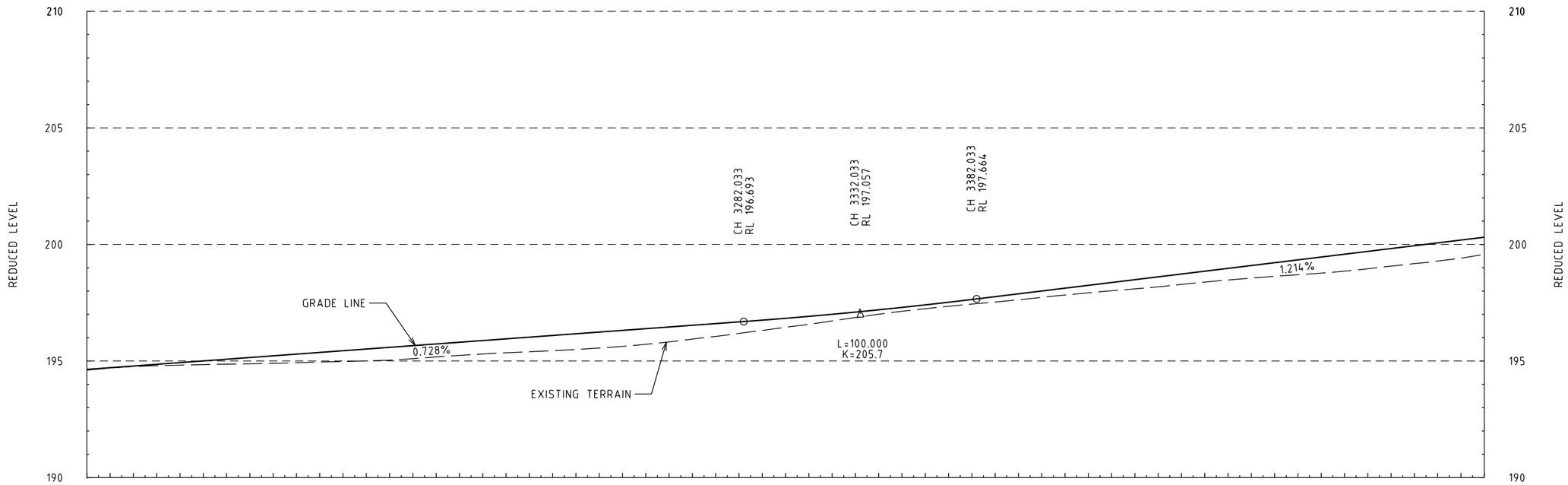
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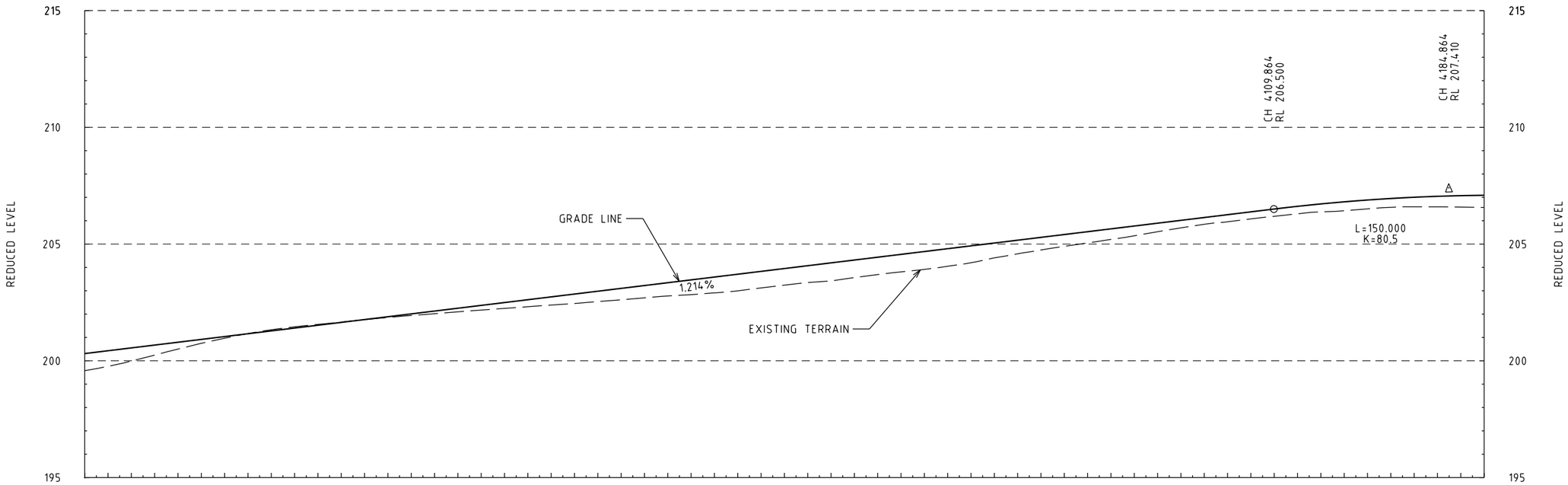
205
200
195
190
REDUCED LEVEL
CH 3282.033
RL 196.693
CH 3332.033
RL 197.057
CH 3382.033
RL 197.664
GRADE LINE
0.728%
1.214%
L=100.000
K=205.7
EXISTING TERRAIN

| | | |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210
205
200
195
REDUCED LEVEL
GRADE LINE
1.214%
EXISTING TERRAIN
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RL 207.410
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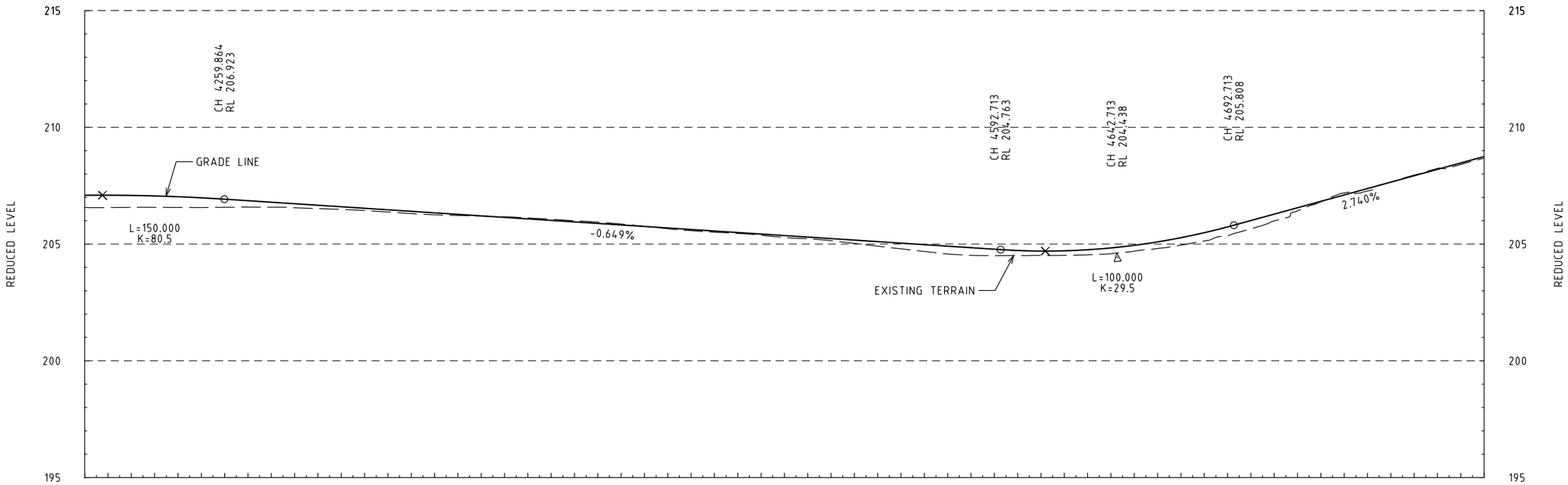
| | | |



CHAINAGE	GRADE LINE	EXISTING SURFACE
4200.000	207.089	206.57
4210.000	207.093	206.56
4220.000	207.083	206.57
4230.000	207.062	206.57
4240.000	207.028	206.57
4250.000	206.981	206.56
4260.000	206.923	206.57
4270.000	206.858	206.58
4280.000	206.793	206.58
4290.000	206.728	206.56
4300.000	206.663	206.52
4310.000	206.598	206.49
4320.000	206.533	206.44
4330.000	206.468	206.38
4340.000	206.403	206.31
4350.000	206.338	206.26
4360.000	206.273	206.22
4370.000	206.208	206.19
4380.000	206.143	206.17
4390.000	206.079	206.12
4400.000	206.014	206.06
4410.000	205.949	206.00
4420.000	205.884	205.94
4430.000	205.819	205.86
4440.000	205.754	205.76
4450.000	205.689	205.66
4460.000	205.624	205.57
4470.000	205.559	205.51
4480.000	205.494	205.46
4490.000	205.429	205.38
4500.000	205.364	205.28
4510.000	205.300	205.23
4520.000	205.235	205.15
4530.000	205.170	205.03
4540.000	205.105	204.91
4550.000	205.040	204.80
4560.000	204.975	204.68
4570.000	204.910	204.57
4580.000	204.845	204.52
4590.000	204.780	204.50
4600.000	204.724	204.51
4610.000	204.701	204.51
4620.000	204.712	204.52
4630.000	204.756	204.54
4640.000	204.835	204.59
4650.000	204.947	204.70
4660.000	205.093	204.81
4670.000	205.273	204.95
4680.000	205.487	205.13
4690.000	205.735	205.35
4700.000	206.008	205.66
4710.000	206.282	205.99
4720.000	206.556	206.42
4730.000	206.830	206.81
4740.000	207.104	207.19
4750.000	207.378	207.27
4760.000	207.652	207.65
4770.000	207.926	207.95
4780.000	208.200	208.24
4790.000	208.474	208.41
4800.000	208.748	208.68

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
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B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-CIV-5008

ISSUE FOR TENDER

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5008.dgn

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		8	CIV-5008	A

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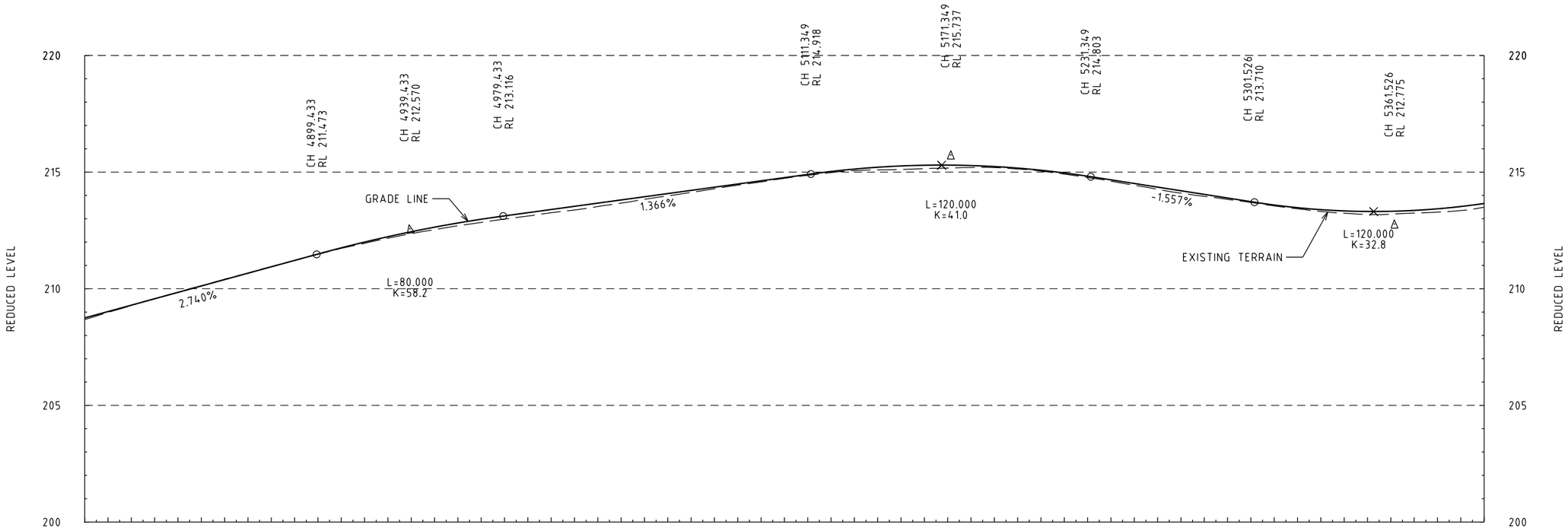


CHAINAGE	EXISTING SURFACE	GRADE LINE
4800.000	208.68	208.748
4810.000	208.99	209.022
4820.000	209.28	209.297
4830.000	209.58	209.571
4840.000	209.86	209.845
4850.000	210.13	210.119
4860.000	210.41	210.393
4870.000	210.67	210.667
4880.000	210.95	210.941
4890.000	211.21	211.215
4900.000	211.47	211.489
4910.000	211.73	211.753
4920.000	211.95	212.001
4930.000	212.17	212.231
4940.000	212.36	212.444
4950.000	212.54	212.639
4960.000	212.70	212.818
4970.000	212.84	212.979
4980.000	212.99	213.124
4990.000	213.11	213.260
5000.000	213.26	213.397
5010.000	213.37	213.533
5020.000	213.52	213.670
5030.000	213.67	213.807
5040.000	213.83	213.943
5050.000	213.98	214.080
5060.000	214.13	214.216
5070.000	214.29	214.353
5080.000	214.44	214.490
5090.000	214.58	214.626
5100.000	214.73	214.763
5110.000	214.86	214.899
5120.000	214.98	215.027
5130.000	215.06	215.130
5140.000	215.09	215.209
5150.000	215.11	215.264
5160.000	215.15	215.294
5170.000	215.17	215.300
5180.000	215.20	215.281
5190.000	215.19	215.239
5200.000	215.13	215.171
5210.000	215.04	215.080
5220.000	214.91	214.964
5230.000	214.77	214.824
5240.000	214.61	214.668
5250.000	214.44	214.512
5260.000	214.26	214.357
5270.000	214.10	214.201
5280.000	213.96	214.045
5290.000	213.83	213.889
5300.000	213.70	213.734
5310.000	213.55	213.589
5320.000	213.43	213.474
5330.000	213.31	213.390
5340.000	213.24	213.336
5350.000	213.19	213.313
5360.000	213.20	213.320
5370.000	213.24	213.358
5380.000	213.28	213.426
5390.000	213.35	213.525
5400.000	213.50	213.654

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
Melbourne, VIC 3006, Australia
Tel: +61 3 9861 1111 Fax: +61 3 9861 1144
wsp.com

WSP DRAWING NO.
2135645A-33-CIV-5009

ISSUE FOR TENDER

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5009.dgn

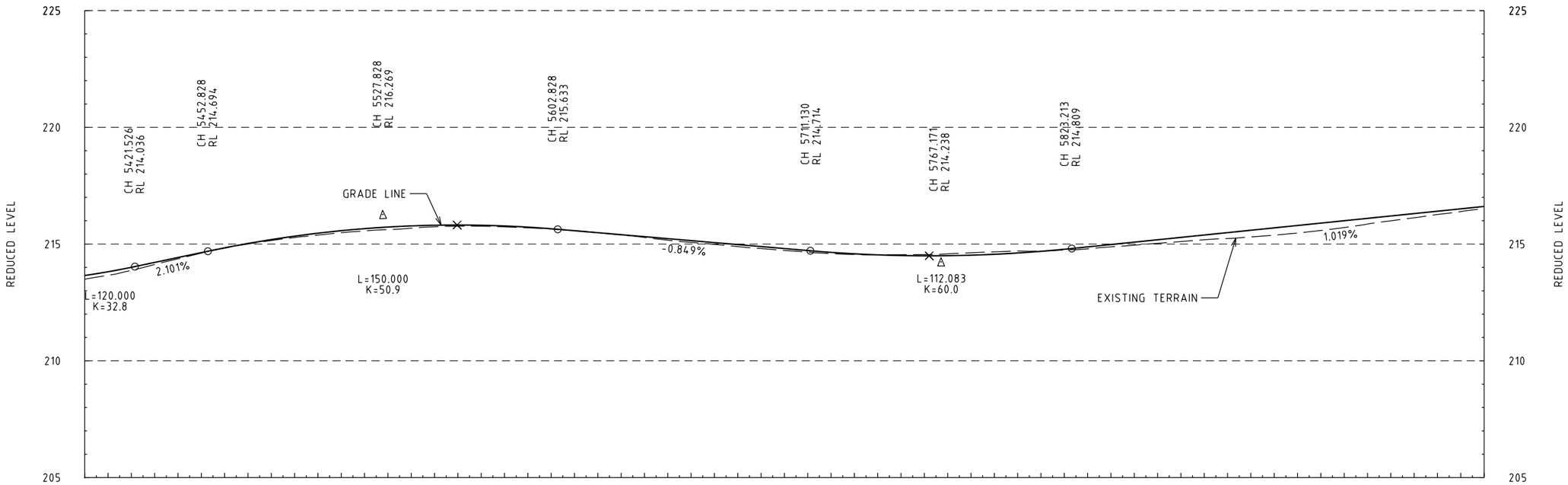
SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		9	CIV-5009	A

6/12/2018 1:10:20 PM Default 2135645A-33-CIV-5009.dgn



CHAINAGE	EXISTING SURFACE	GRADE LINE
5400.000	213.50	213.654
5410.000	213.66	213.814
5420.000	213.87	214.004
5430.000	214.12	214.214
5440.000	214.37	214.424
5450.000	214.61	214.634
5460.000	214.83	214.839
5470.000	215.00	215.025
5480.000	215.15	215.192
5490.000	215.28	215.339
5500.000	215.39	215.466
5510.000	215.49	215.573
5520.000	215.56	215.661
5530.000	215.62	215.729
5540.000	215.68	215.778
5550.000	215.74	215.807
5560.000	215.77	215.816
5570.000	215.76	215.805
5580.000	215.74	215.775
5590.000	215.69	215.725
5600.000	215.64	215.656
5610.000	215.57	215.572
5620.000	215.49	215.487
5630.000	215.39	215.402
5640.000	215.28	215.317
5650.000	215.17	215.232
5660.000	215.07	215.148
5670.000	214.99	215.063
5680.000	214.89	214.978
5690.000	214.81	214.893
5700.000	214.73	214.808
5710.000	214.65	214.723
5720.000	214.59	214.645
5730.000	214.56	214.583
5740.000	214.54	214.538
5750.000	214.55	214.510
5760.000	214.55	214.498
5770.000	214.58	214.503
5780.000	214.63	214.524
5790.000	214.67	214.563
5800.000	214.70	214.618
5810.000	214.70	214.689
5820.000	214.75	214.777
5830.000	214.79	214.878
5840.000	214.88	214.980
5850.000	214.95	215.082
5860.000	215.03	215.184
5870.000	215.11	215.286
5880.000	215.18	215.388
5890.000	215.24	215.490
5900.000	215.30	215.592
5910.000	215.38	215.694
5920.000	215.47	215.796
5930.000	215.58	215.898
5940.000	215.71	216.000
5950.000	215.86	216.102
5960.000	216.00	216.204
5970.000	216.13	216.305
5980.000	216.27	216.407
5990.000	216.39	216.509
6000.000	216.52	216.611

WSP DRAWING NO.
2135645A-33-CIV-5010

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
Melbourne, VIC 3006, Australia
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wsp.com

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5010.dgn

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		10	CIV-5010	A

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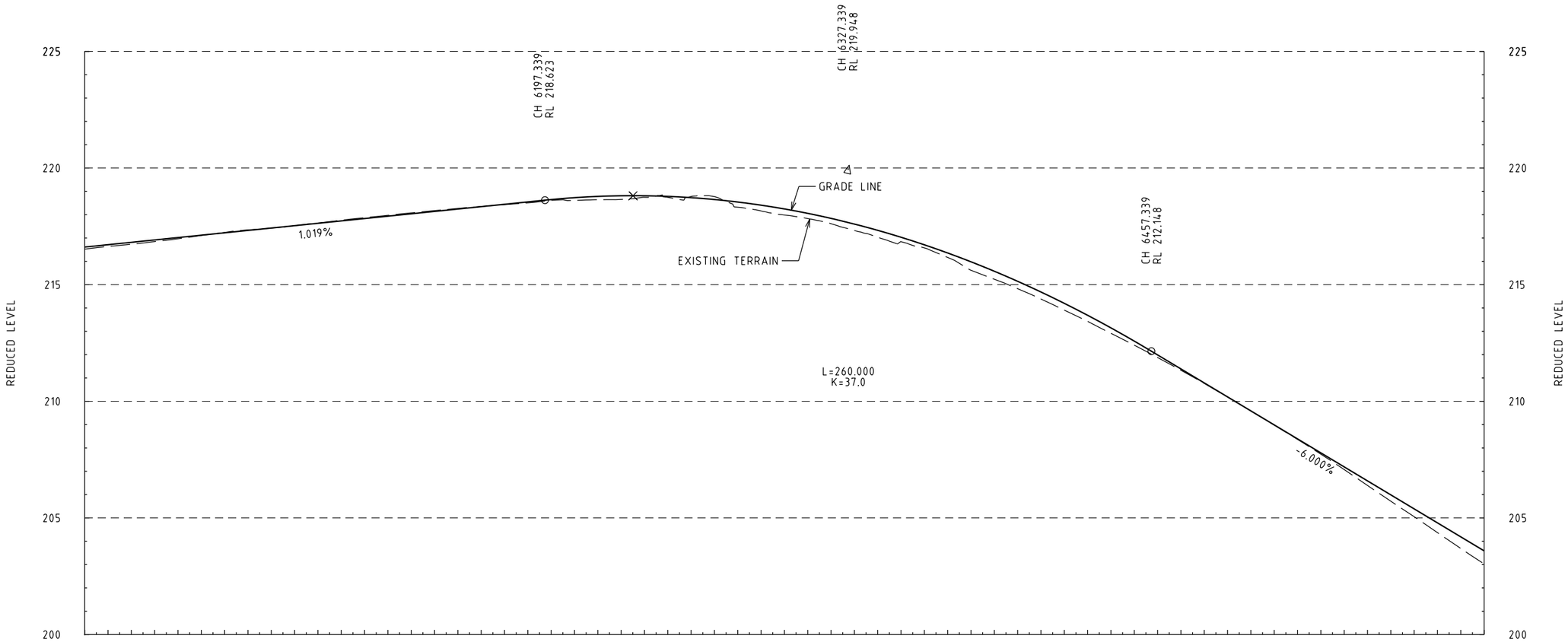

CHAINAGE	GRADE LINE	EXISTING SURFACE
6000.000	216.611	216.52
6010.000	216.713	216.64
6020.000	216.815	216.73
6030.000	216.917	216.85
6040.000	217.019	216.97
6050.000	217.121	217.11
6060.000	217.223	217.24
6070.000	217.325	217.35
6080.000	217.427	217.43
6090.000	217.529	217.53
6100.000	217.631	217.65
6110.000	217.733	217.76
6120.000	217.835	217.87
6130.000	217.936	217.97
6140.000	218.038	218.08
6150.000	218.140	218.18
6160.000	218.242	218.27
6170.000	218.344	218.35
6180.000	218.446	218.43
6190.000	218.548	218.51
6200.000	218.649	218.61
6210.000	218.730	218.61
6220.000	218.785	218.64
6230.000	218.812	218.65
6240.000	218.812	218.74
6250.000	218.785	218.74
6260.000	218.732	218.78
6270.000	218.651	218.78
6280.000	218.543	218.32
6290.000	218.408	218.16
6300.000	218.247	217.99
6310.000	218.058	217.83
6320.000	217.842	217.61
6330.000	217.600	217.32
6340.000	217.330	217.03
6350.000	217.033	216.85
6360.000	216.709	216.58
6370.000	216.359	216.18
6380.000	215.981	215.64
6390.000	215.576	215.23
6400.000	215.145	214.83
6410.000	214.686	214.38
6420.000	214.200	213.91
6430.000	213.687	213.43
6440.000	213.148	212.92
6450.000	212.581	212.41
6460.000	211.988	211.88
6470.000	211.388	211.33
6480.000	210.788	210.77
6490.000	210.188	210.19
6500.000	209.588	209.59
6510.000	208.988	208.98
6520.000	208.388	208.37
6530.000	207.788	207.73
6540.000	207.188	207.07
6550.000	206.588	206.39
6560.000	205.988	205.72
6570.000	205.388	205.05
6580.000	204.788	204.37
6590.000	204.188	203.69
6600.000	203.588	203.03

WSP DRAWING NO.
2135645A-33-CIV-5011

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
Melbourne, VIC 3006, Australia
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wsp.com

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5011.dgn

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		11	CIV-5011	A

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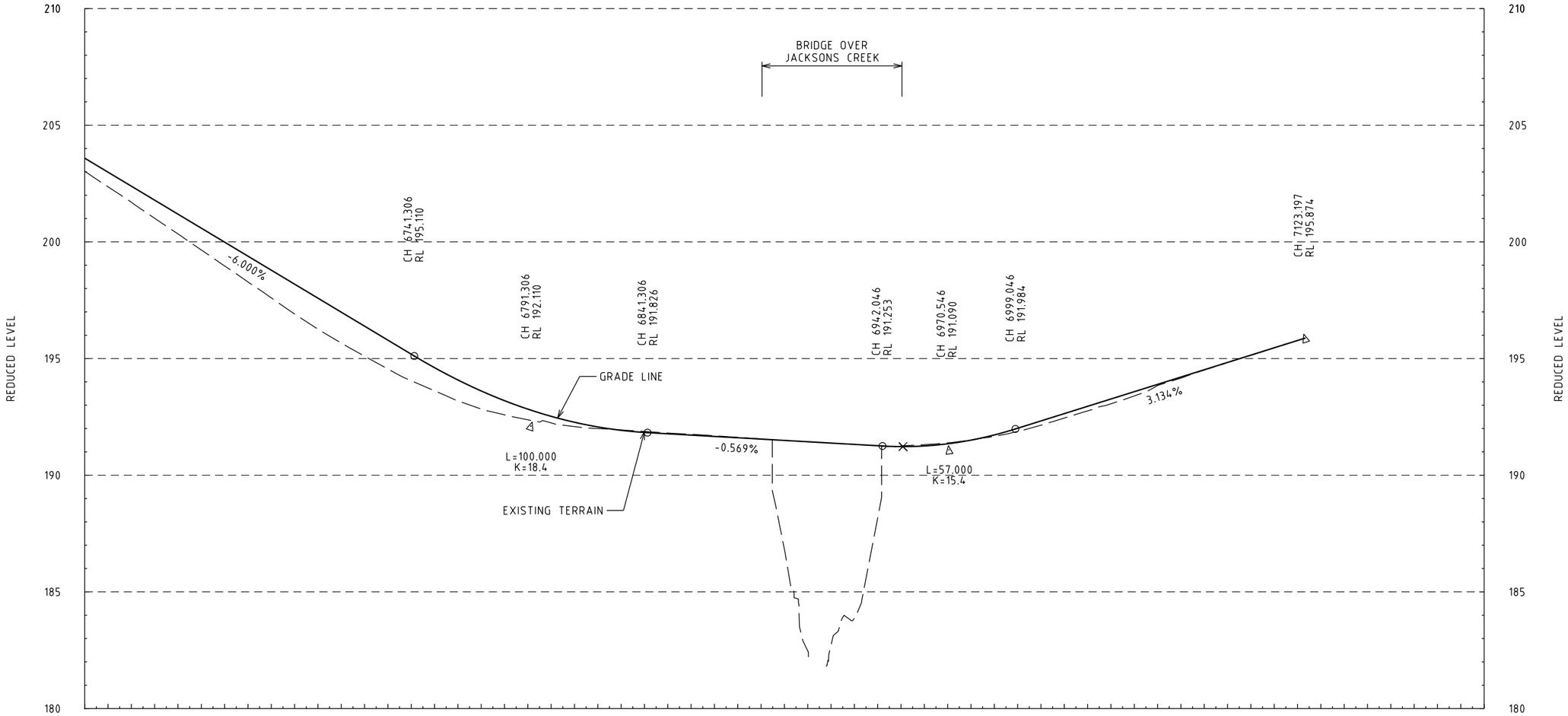

CHAINAGE	GRADE LINE	EXISTING SURFACE
6600.000	203.588	203.03
6610.000	202.988	202.36
6620.000	202.388	201.70
6630.000	201.788	201.01
6640.000	201.188	200.34
6650.000	200.588	199.65
6660.000	199.988	198.97
6670.000	199.388	198.28
6680.000	198.788	197.60
6690.000	198.188	196.91
6700.000	197.588	196.26
6710.000	196.988	195.67
6720.000	196.388	195.10
6730.000	195.788	194.55
6740.000	195.188	194.05
6750.000	194.609	193.62
6760.000	194.083	193.19
6770.000	193.612	192.84
6780.000	193.195	192.59
6790.000	192.832	192.37
6800.000	192.524	192.24
6810.000	192.270	192.08
6820.000	192.070	192.00
6830.000	191.925	191.94
6840.000	191.833	191.88
6850.000	191.776	191.81
6860.000	191.719	191.76
6870.000	191.662	191.69
6880.000	191.605	191.62
6890.000	191.549	191.55
6900.000	191.492	186.82
6910.000	191.435	182.48
6920.000	191.378	182.72
6930.000	191.321	183.86
6940.000	191.264	188.17
6950.000	191.228	191.25
6960.000	191.255	191.31
6970.000	191.347	191.39
6980.000	191.504	191.51
6990.000	191.727	191.67
7000.000	192.013	191.88
7010.000	192.327	192.14
7020.000	192.640	192.45
7030.000	192.954	192.76
7040.000	193.267	193.06
7050.000	193.580	193.40
7060.000	193.894	193.85
7070.000	194.207	194.16
7080.000	194.521	194.51
7090.000	194.834	194.83
7100.000	195.147	195.14
7110.000	195.461	195.46
7120.000	195.774	195.78
7130.000		
7140.000		
7150.000		
7160.000		
7170.000		
7180.000		
7190.000		
7200.000		

WSP DRAWING NO.
2135645A-33-CIV-5012

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	SB	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
Melbourne, VIC 3006, Australia
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wsp.com

DESIGNED
F. DE FAZIO
06.12.18

APPROVED
S. BONG
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-CIV-5012.dgn

SCALE OF METRES
HOR 0 20 40
VER 0 2 4

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST

LONGITUDINAL SECTION

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		12	CIV-5012	A

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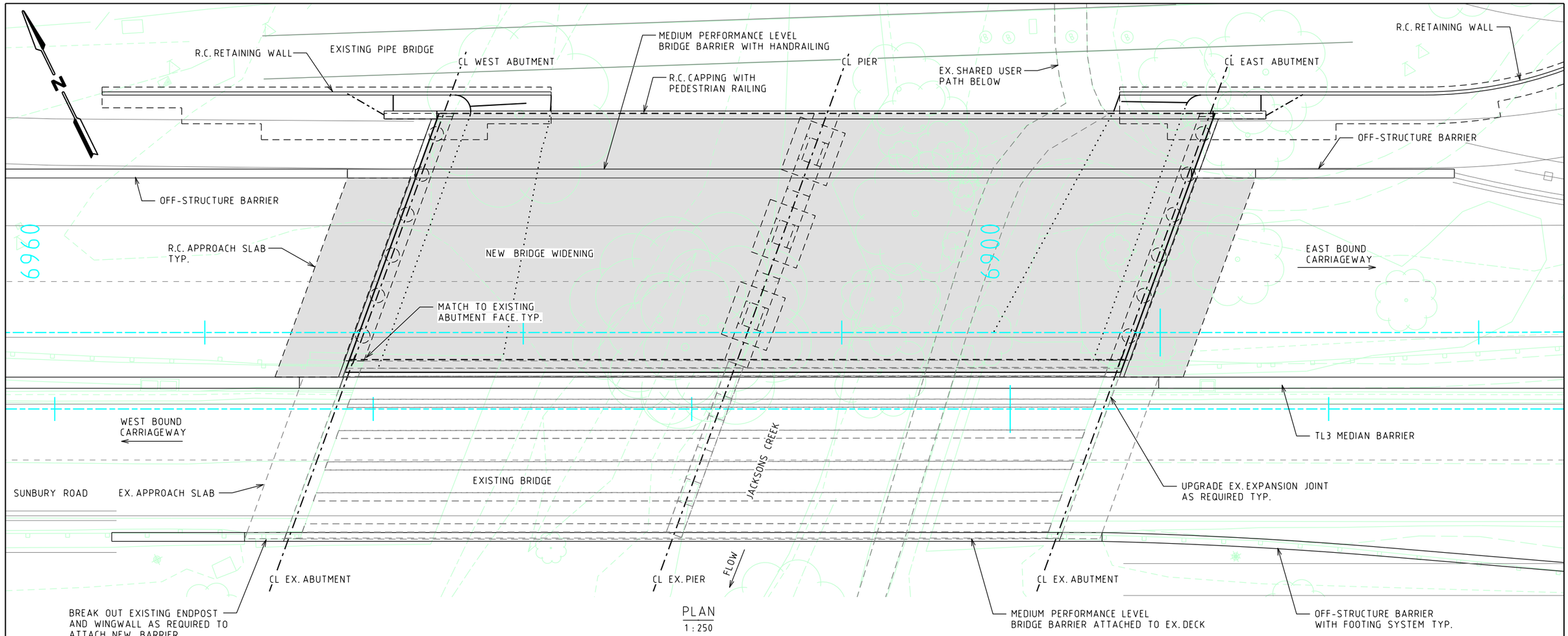
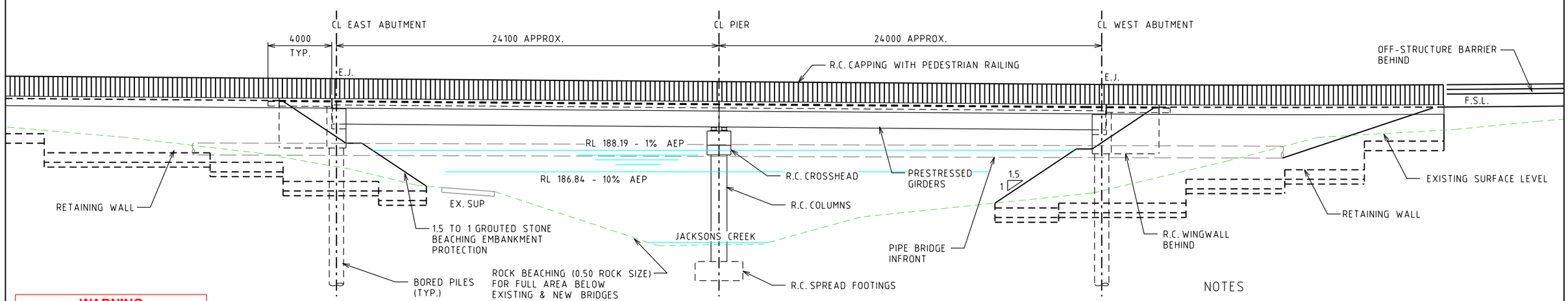


PLAN
1 : 250



NORTH ELEVATION
1 : 250

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOTES

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	BP	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
Melbourne, VIC 3006, Australia
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wsp.com

WSP DRAWING NO. 2135645A-33-STR-1001

DESIGNED F. RAPATTONI 06.12.18

APPROVED B. POON 06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-STR-1001.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 2.5 5
VER 0 2.5 5

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
BRIDGE OVER JACKSONS CREEK
GENERAL ARRANGEMENT

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		1	STR-1001	A

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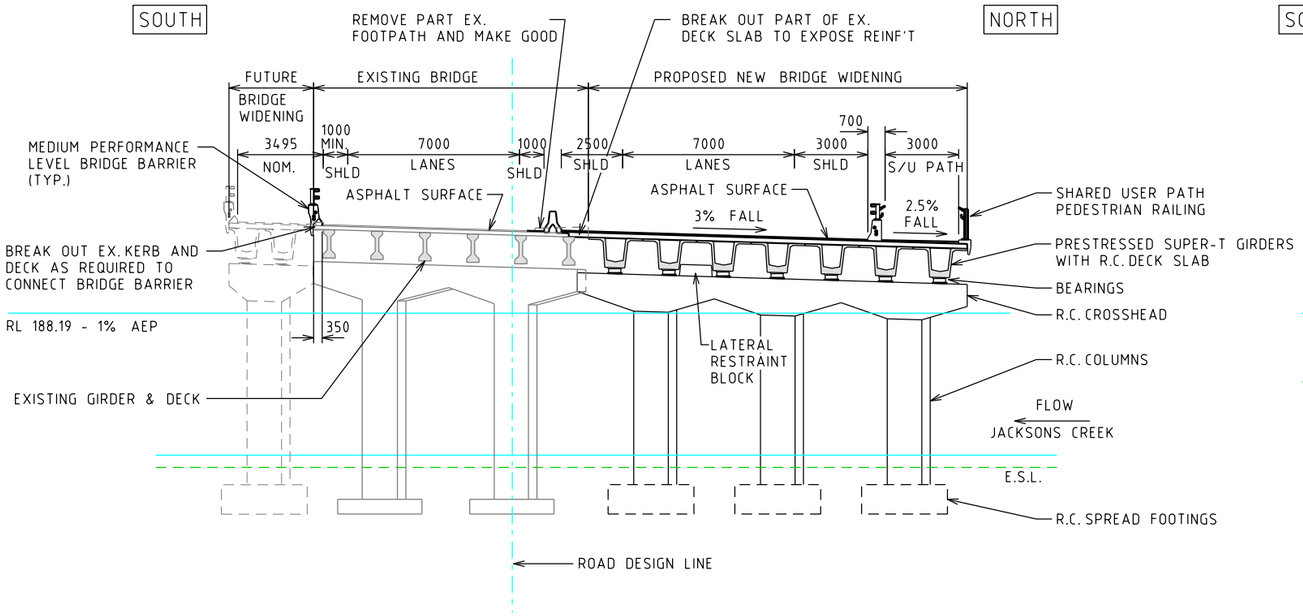
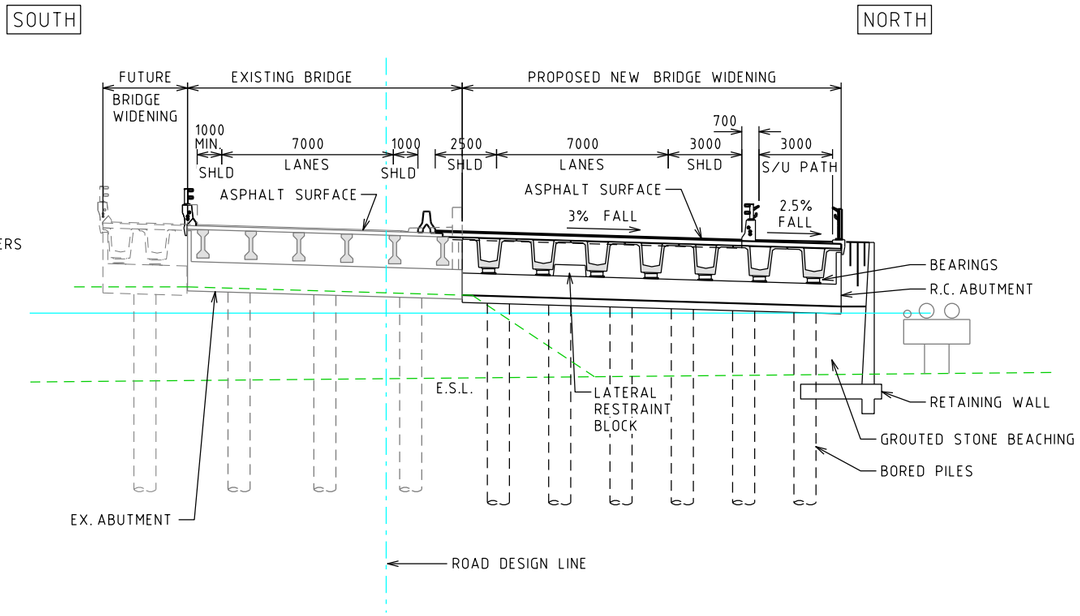


CROSS SECTION AT PIER
1:250



CROSS SECTION AT WEST ABUTMENT
1:250

NOTES

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B			
A	BP	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
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WSP DRAWING NO. 2135645A-33-STR-1002

DESIGNED F. RAPATTONI 06.12.18
APPROVED B. POON 06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-STR-1002.dgn

SCALE OF METRES
HOR 0 2.5 5
VER 0 2.5 5

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
BRIDGE OVER JACKSONS CREEK
CROSS SECTIONS

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		2	STR-1002	A

06-Dec-18 1:32:07 PM Default 2135645A-33-STR-1002.dgn

BULLA - DIGGERS REST RD

W3313
OH3341
W3331
W3313
T3354
UE3351
UE3348
UE3349
W3313
W3331
OH3341
OH3342
UE3350
T3356
W3333
OH3340
OH3334

TC N 5.000
N 0
TC N 90.199
CT N 90.186
N 100
CT N 185.227
N 200
TC N 234.225
CT N 283.114
N 300
TC S 41.403
S 0
TC S 99.418
CT S 97.847
S 100
CT S 120.520
TC S 140.876
CT S 169.843
S 200
S 300

ROW BOUNDARY
ROW BOUNDARY
SUNBURY RD
LIMIT OF WORKS
600x300 BOX
TO SUNBURY
TO MELBOURNE
FOR CONTINUATION REFER TO SHEET 2

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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wsp.com

WSP DRAWING NO.
2135645A-33-UTL-2001

ISSUE FOR TENDER

DESIGNED
C. HANNAH
23.01.19
APPROVED
K. SOLIMAN
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2001.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		1	UTL-2001	B

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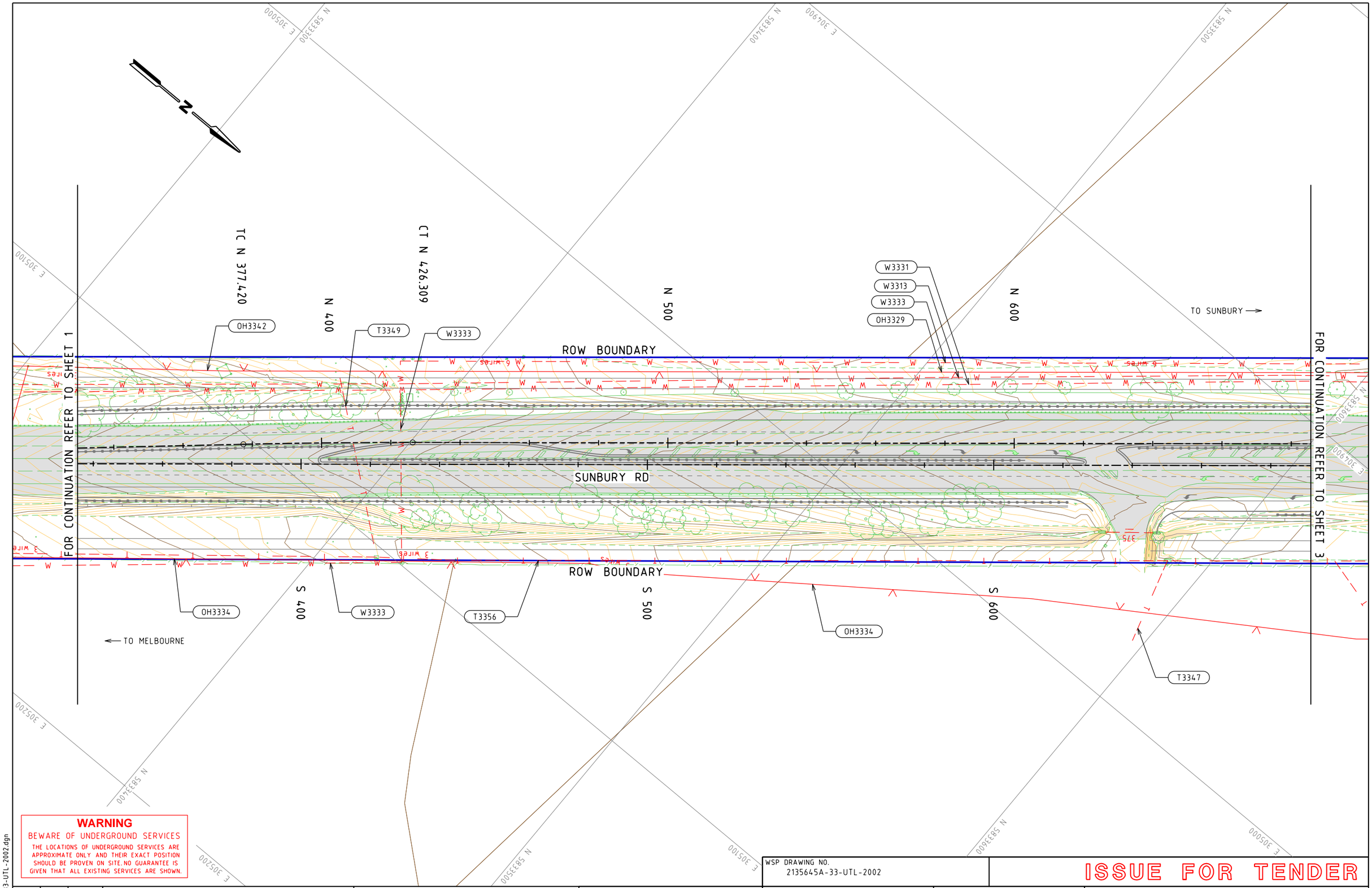

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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Level 15, 28 Freshwater Place, Southbank
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wsp.com

WSP DRAWING NO.
2135645A-33-UTL-2002

DESIGNED
C. HANNAH
23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2002.dgn

MAJOR ROAD PROJECTS AUTHORITY

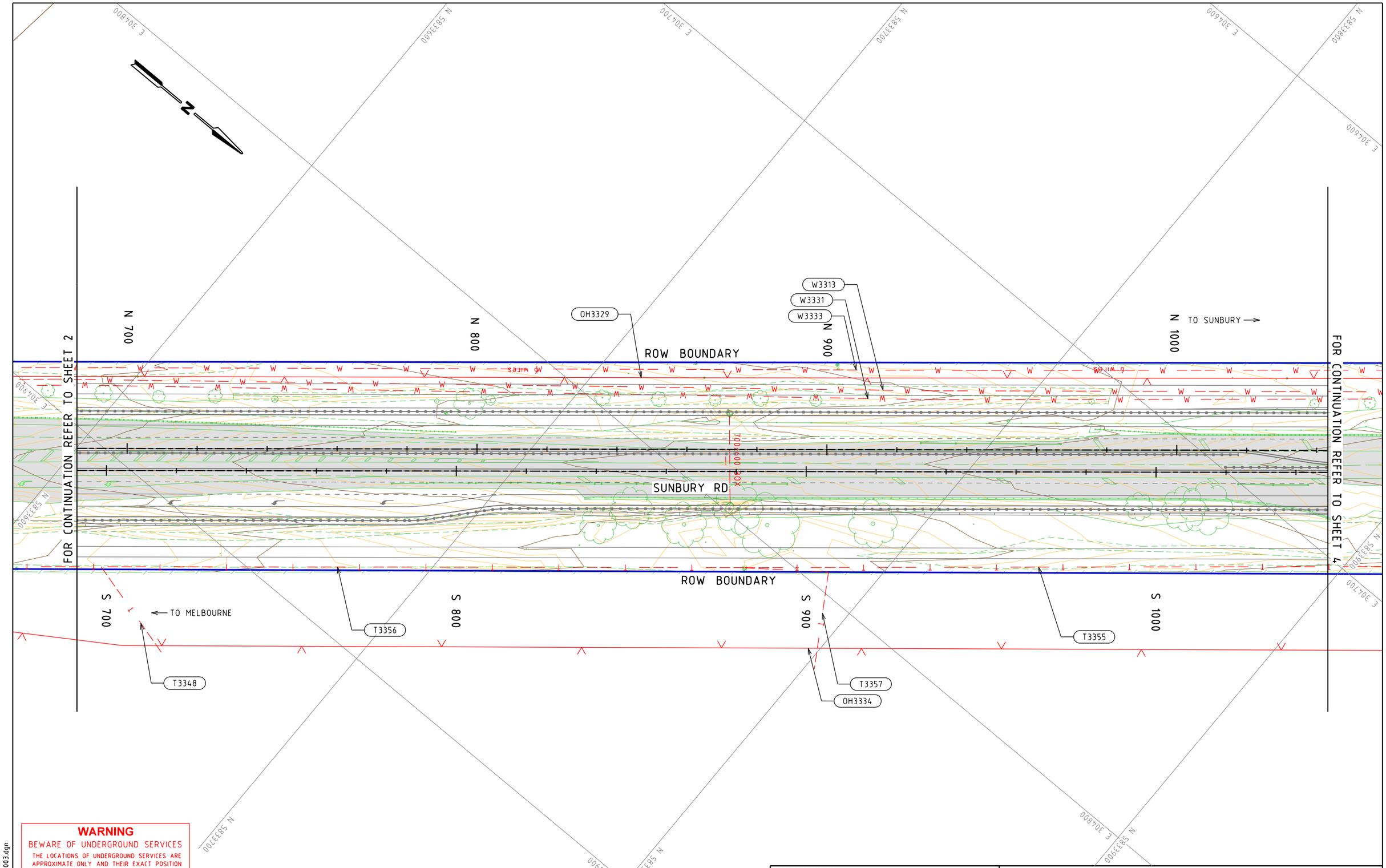
SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT
PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		2	UTL-2002	B

23/01/2019 3:53:33 PM Default 2135645A-33-UTL-2002.dgn



WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

WSP DRAWING NO.
2135645A-33-UTL-2003

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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Melbourne, VIC 3006, Australia
Tel: +61 3 9861 1111 Fax: +61 3 9861 1144
wsp.com

DESIGNED
C. HANNAH
23.01.19

APPROVED
K. SOLIMAN
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2003.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT
PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		3	UTL-2003	B

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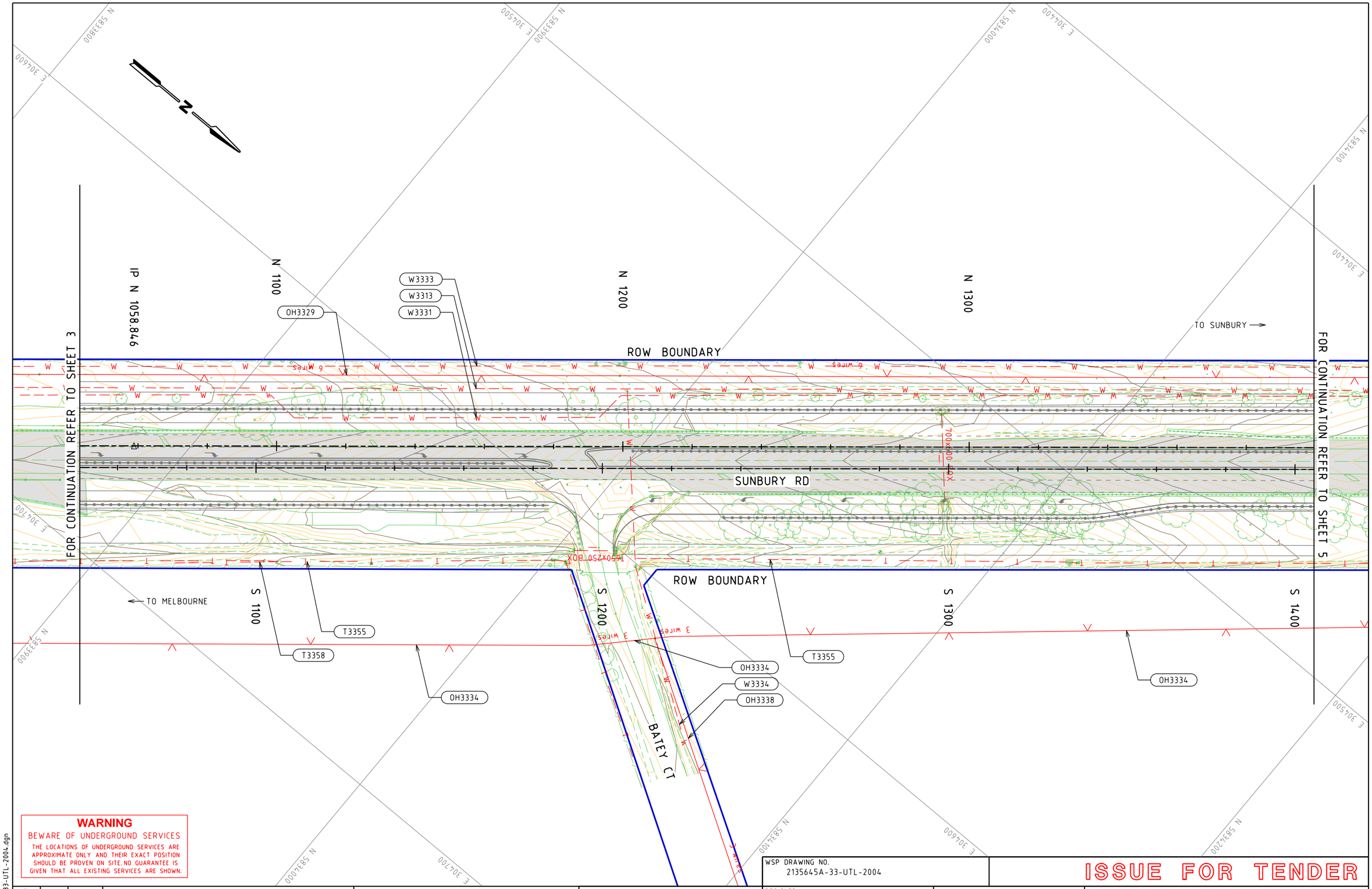

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ISSUE	APP'D	DATE	AMENDMENT
E			
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C			
B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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Level 15, 28 Freshwater Place, Southbank
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WSP DRAWING NO.
2135645A-33-UTL-2004

DESIGNED
C. HANNAH
23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2004.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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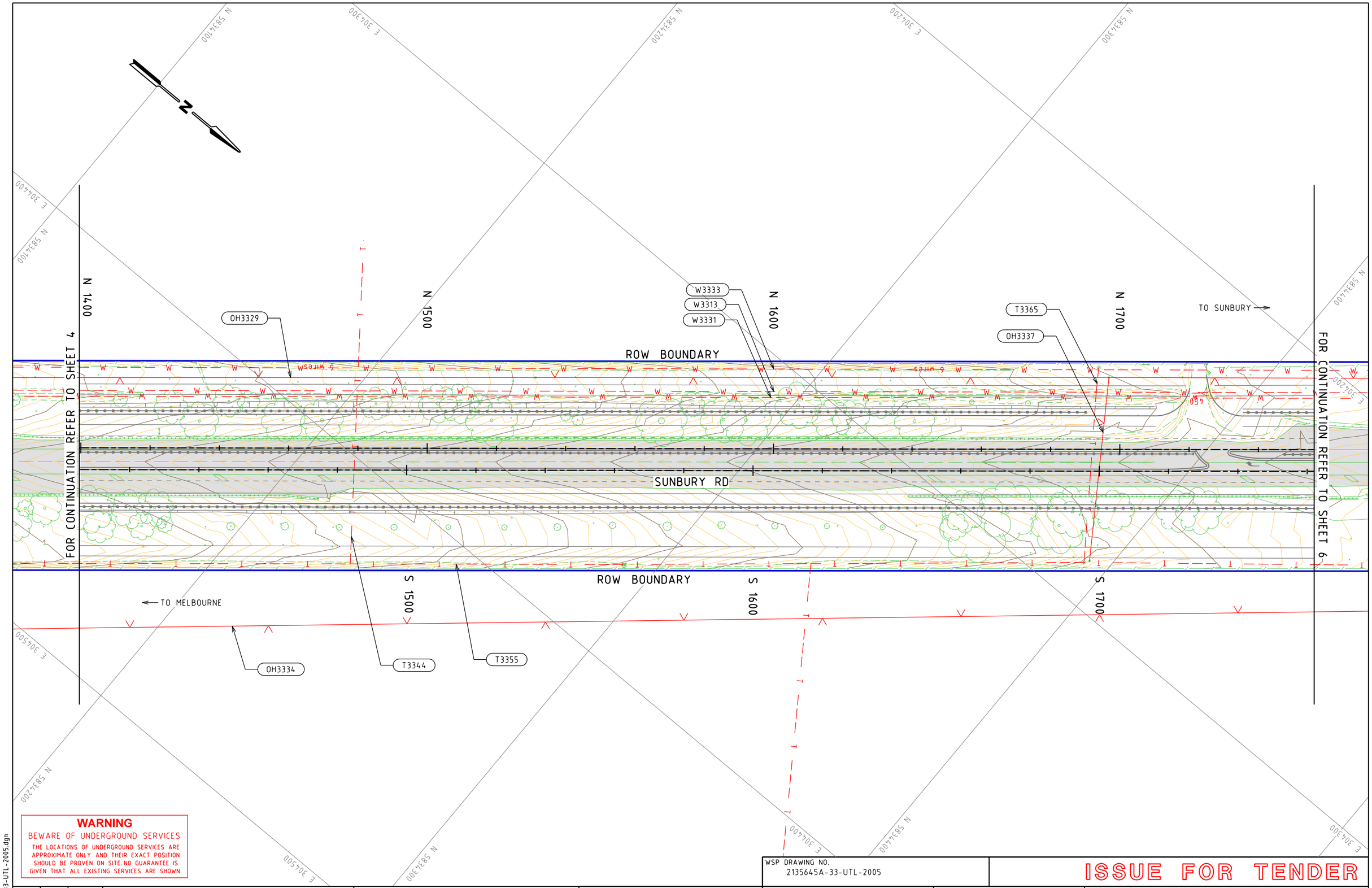

WARNING

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WSP DRAWING NO. 2135645A-33-UTL-2005

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
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B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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Melbourne, VIC 3006, Australia
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wsp.com

DESIGNED C. HANNAH 23.01.19

APPROVED K. SOLIMAN 06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A

PROJ: NORTHERN ROADS UPGRADE PROJECT

FILE: 2135645A-33-UTL-2005.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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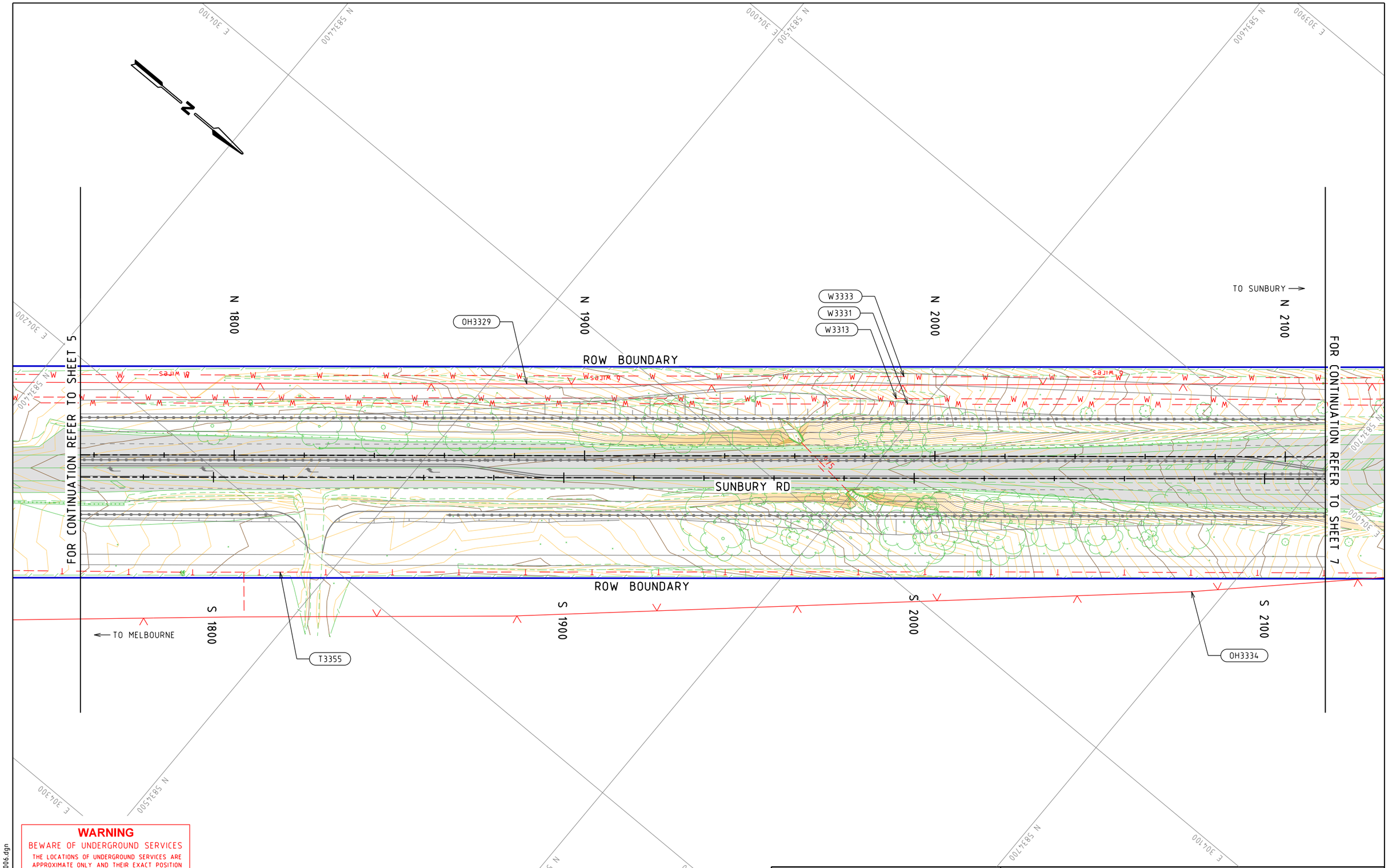

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WSP DRAWING NO.
2135645A-33-UTL-2006

DESIGNED
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23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2006.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT
PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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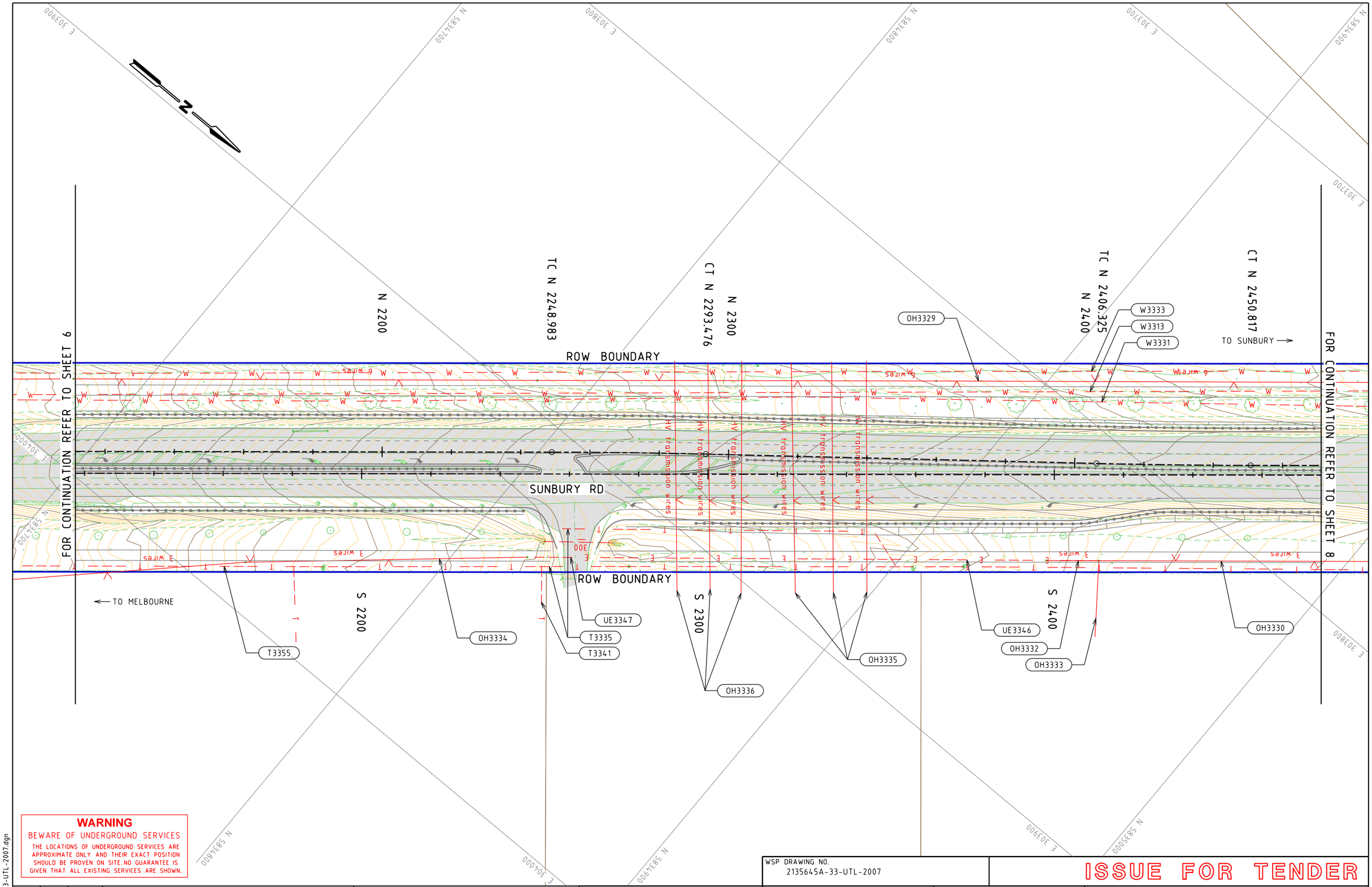

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WSP DRAWING NO.
2135645A-33-UTL-2007

ISSUE FOR TENDER

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DESIGNED
C. HANNAH
23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2007.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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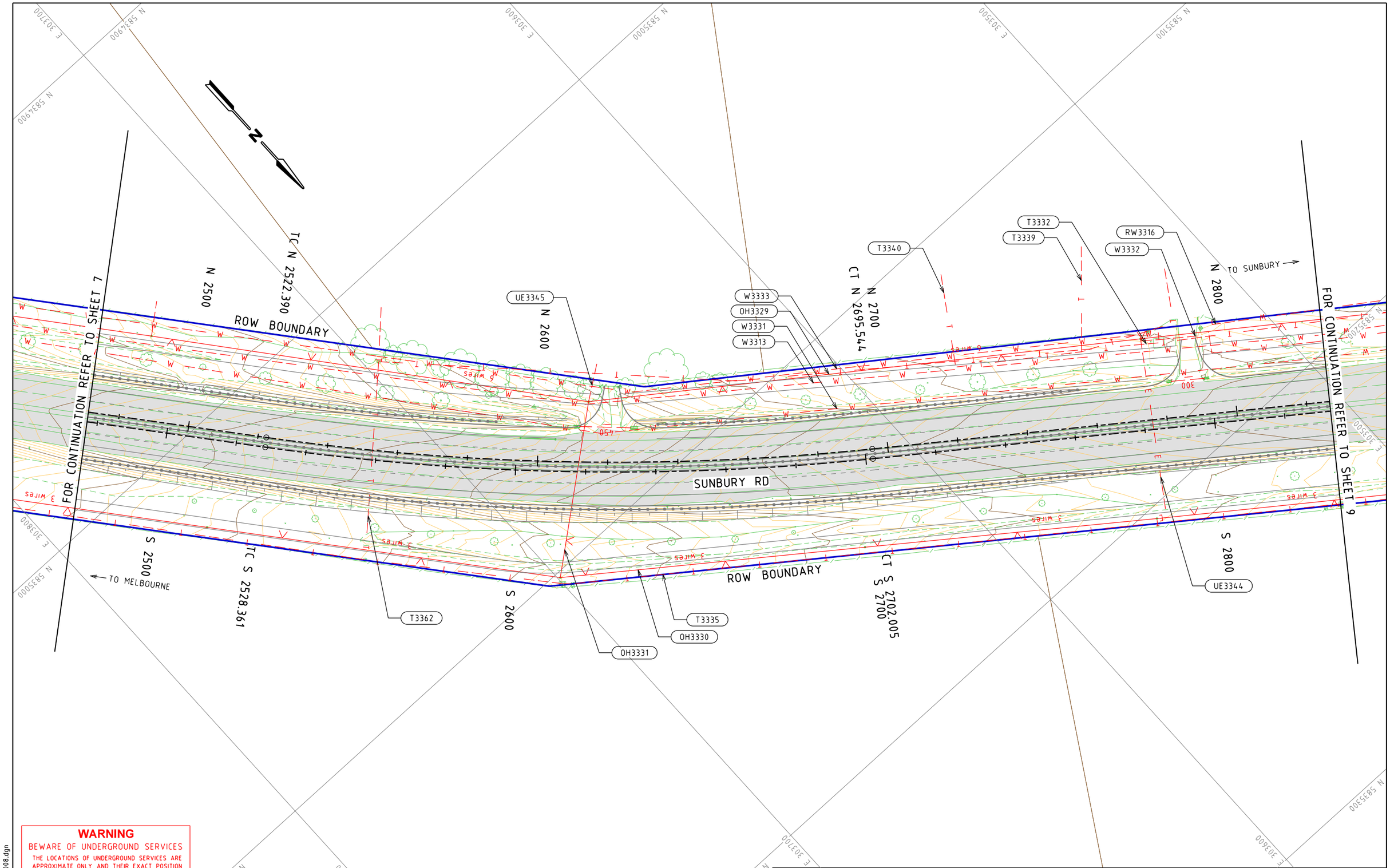

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WSP DRAWING NO.
2135645A-33-UTL-2008

ISSUE FOR TENDER

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23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2008.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

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BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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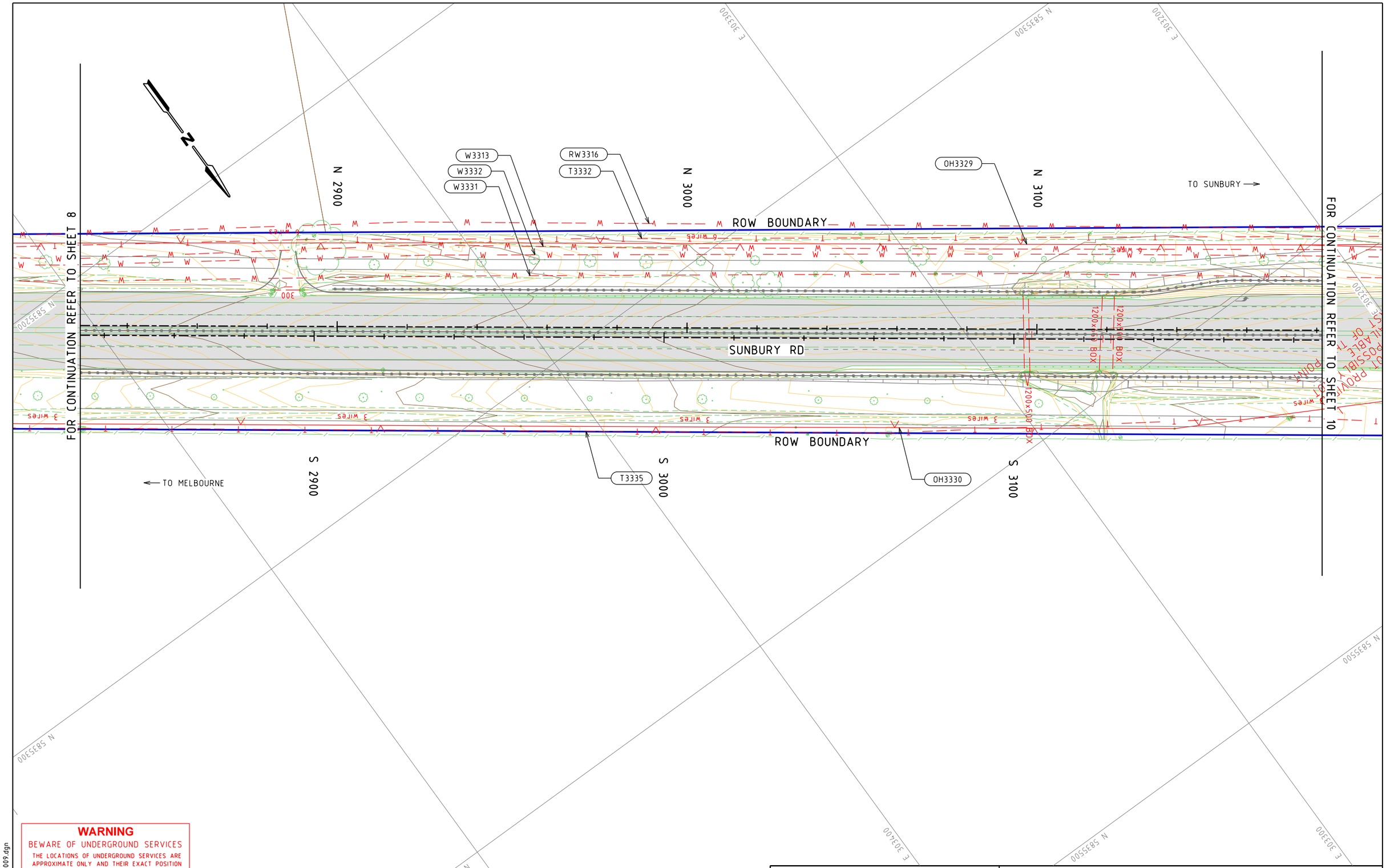

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WSP DRAWING NO.
2135645A-33-UTL-2009

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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2009.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

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UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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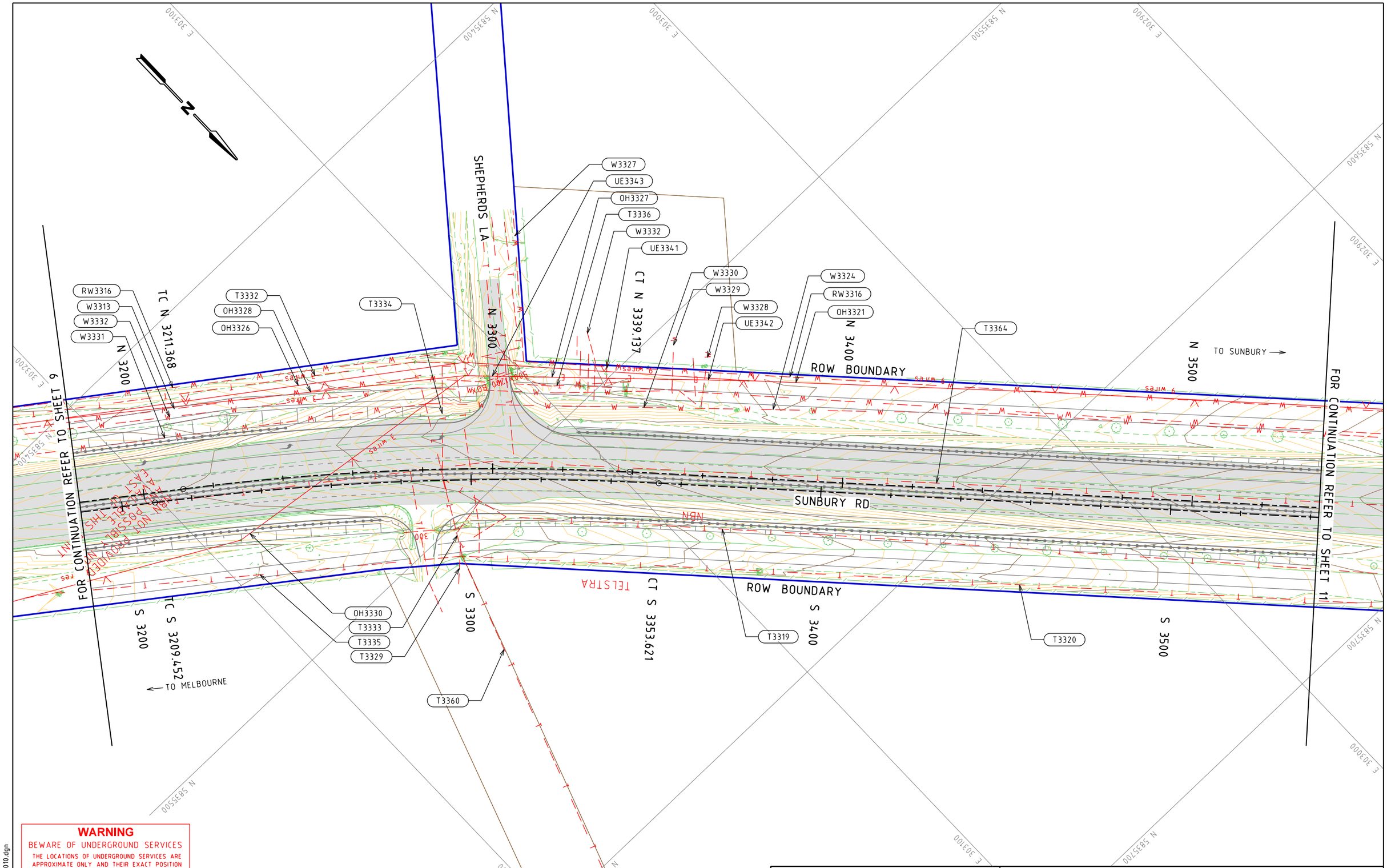

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2135645A-33-UTL-2010

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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2010.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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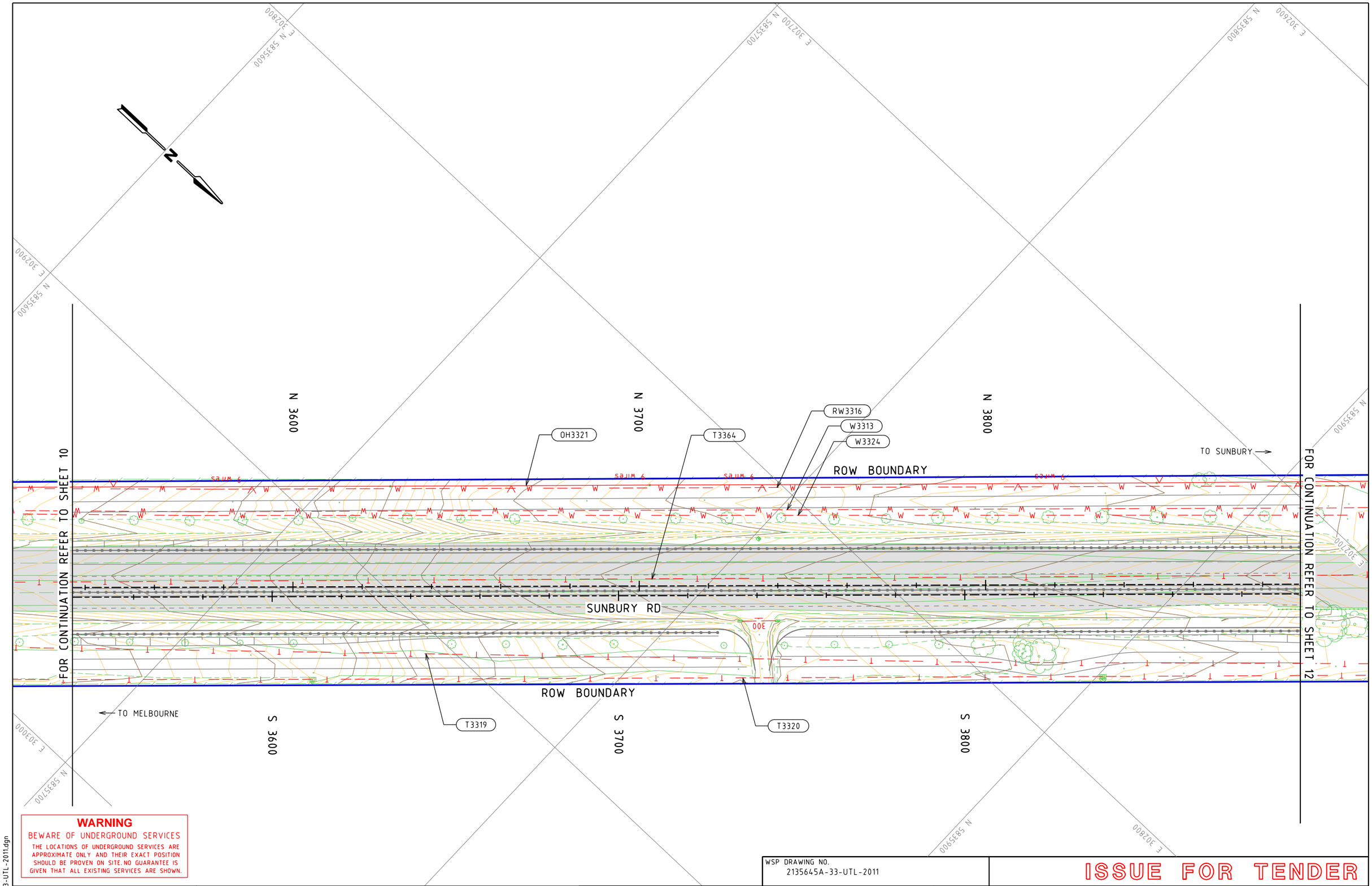

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CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2011.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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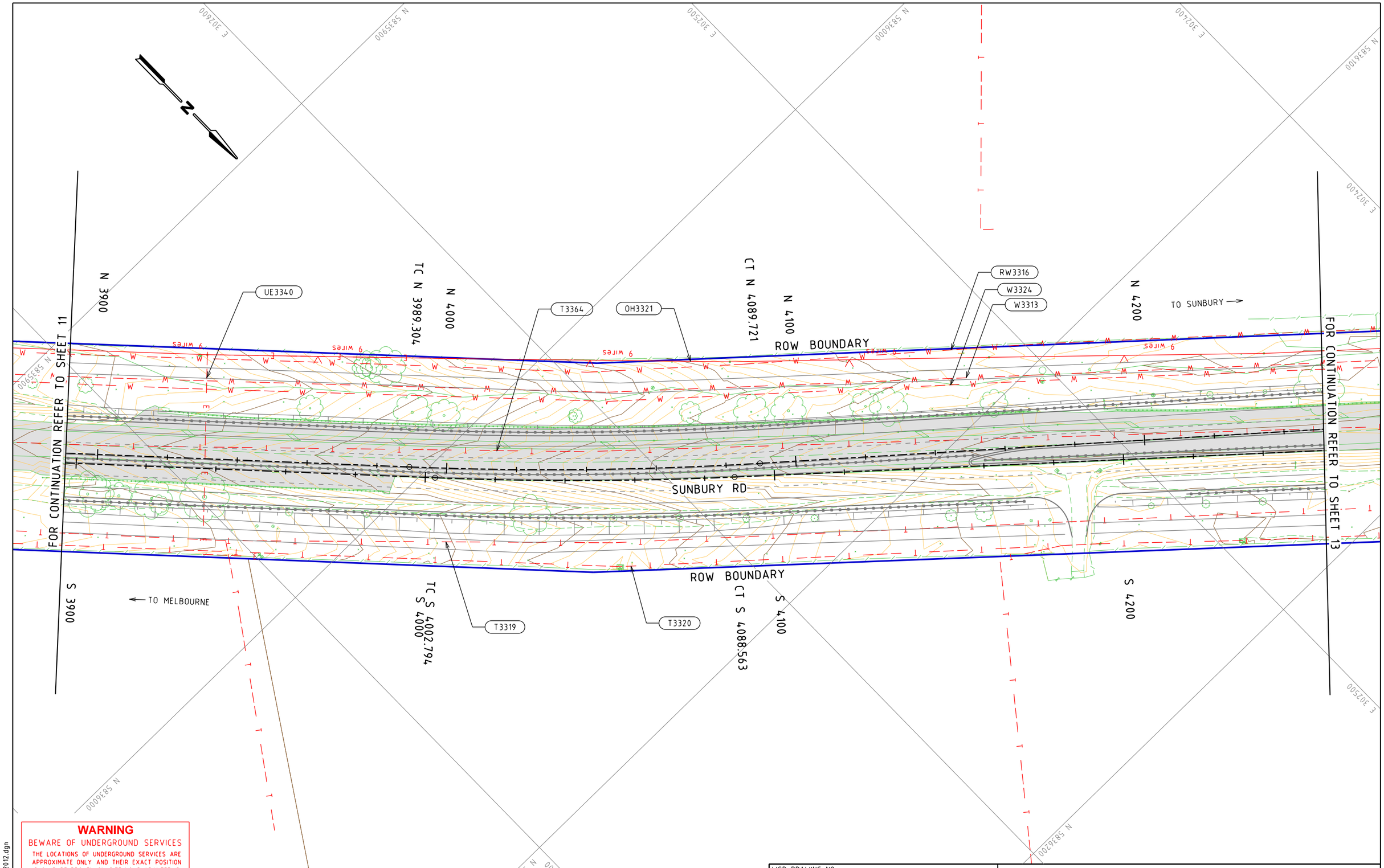

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23/01/2019 3:54:41 PM Default 2135645A-33-UTL-2012.dgn

ISSUE	APP'D	DATE	AMENDMENT
E			
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B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
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2135645A-33-UTL-2012

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K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2012.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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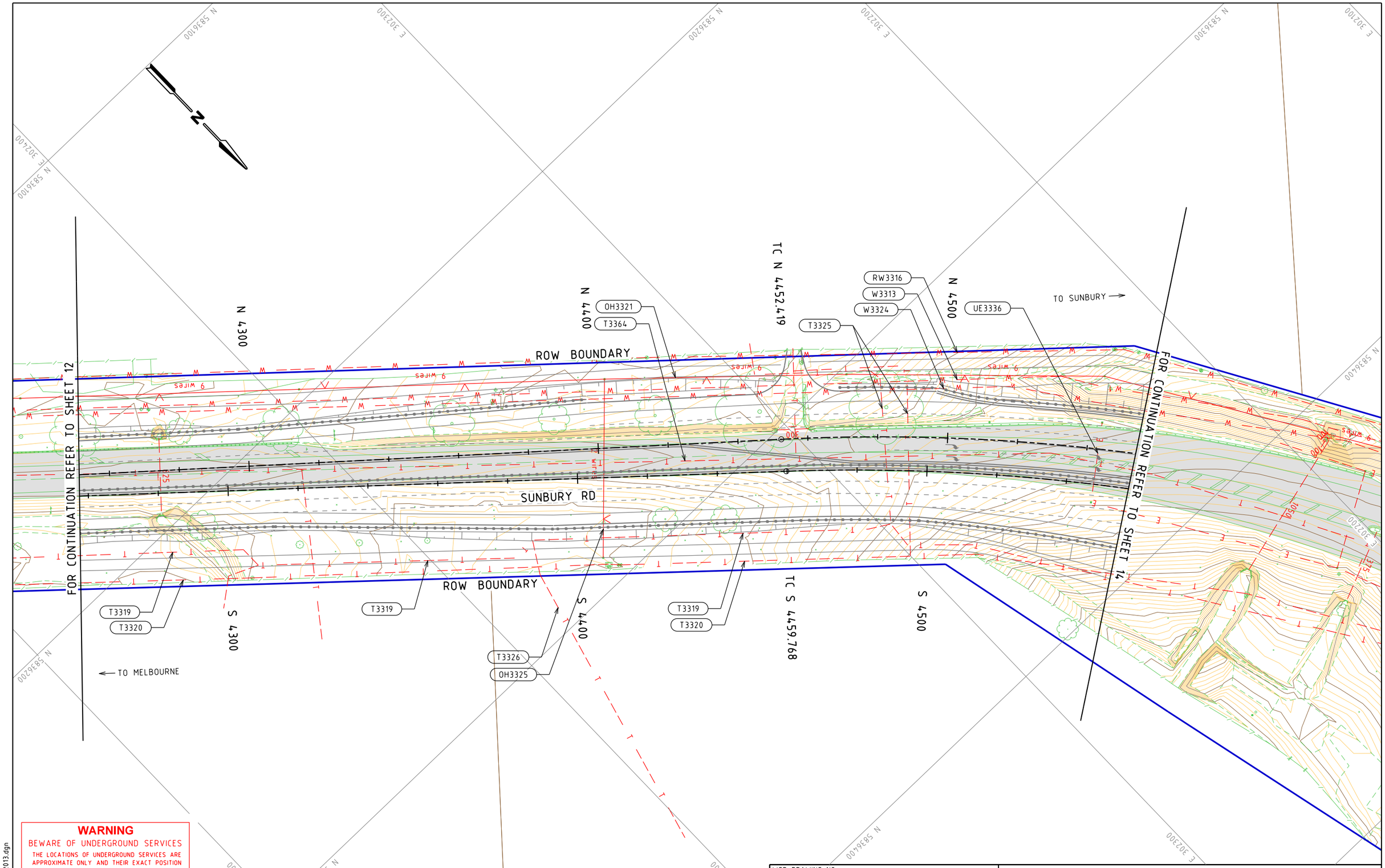

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WSP DRAWING NO.
2135645A-33-UTL-2013

DESIGNED
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23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2013.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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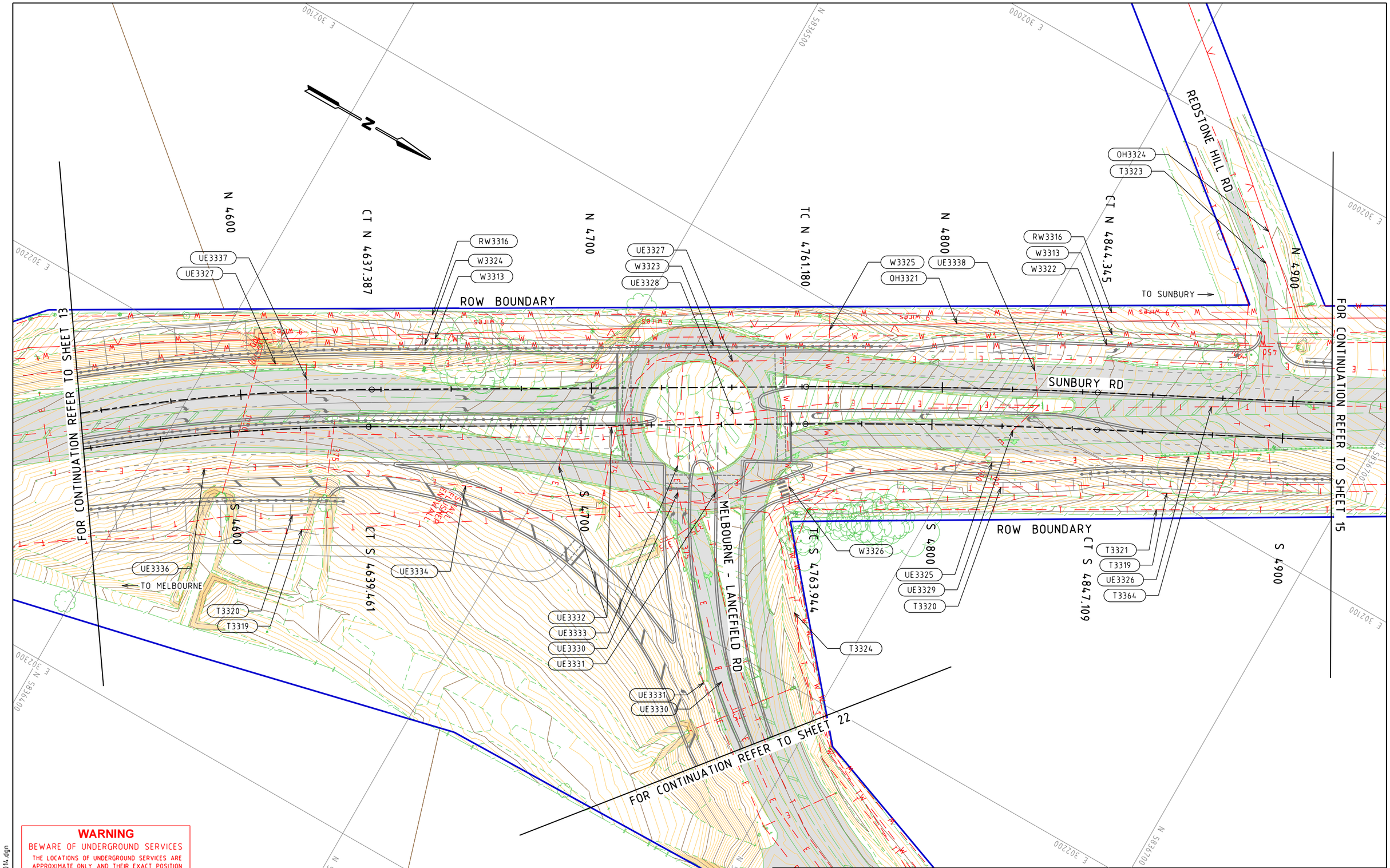

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GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-UTL-2014

ISSUE FOR TENDER

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23.01.19

APPROVED
K. SOLIMAN
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2014.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		14	UTL-2014	B

23/01/2019 3:54:54 PM Default 2135645A-33-UTL-2014.dgn

FOR CONTINUATION REFER TO SHEET 14

FOR CONTINUATION REFER TO SHEET 16

TC N 4954.410

CT N 5033.288

N 5000

N 5100

N 5200

T3364

OH3321

W3322

RW3316

W3313

OH3323

TO SUNBURY →

ROW BOUNDARY

9 wires

SUNBURY RD

2 wires

ROW BOUNDARY

← TO MELBOURNE

T3320

T3319

T3321

T3320

UE3322

T3319

TC S 4957.148

S 5000

CT S 5036.025

S 5100

S 5200

E 302000

E 302100

E 301900

E 301800

N 5836900

N 5837000

WARNING

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23/01/2019 3:55:01 PM Default 2135645A-33-UTL-2015.dgn

ISSUE	APP'D	DATE	AMENDMENT
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B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
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2135645A-33-UTL-2015

ISSUE FOR TENDER

DESIGNED
C. HANNAH
23.01.19

APPROVED
K. SOLIMAN
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2015.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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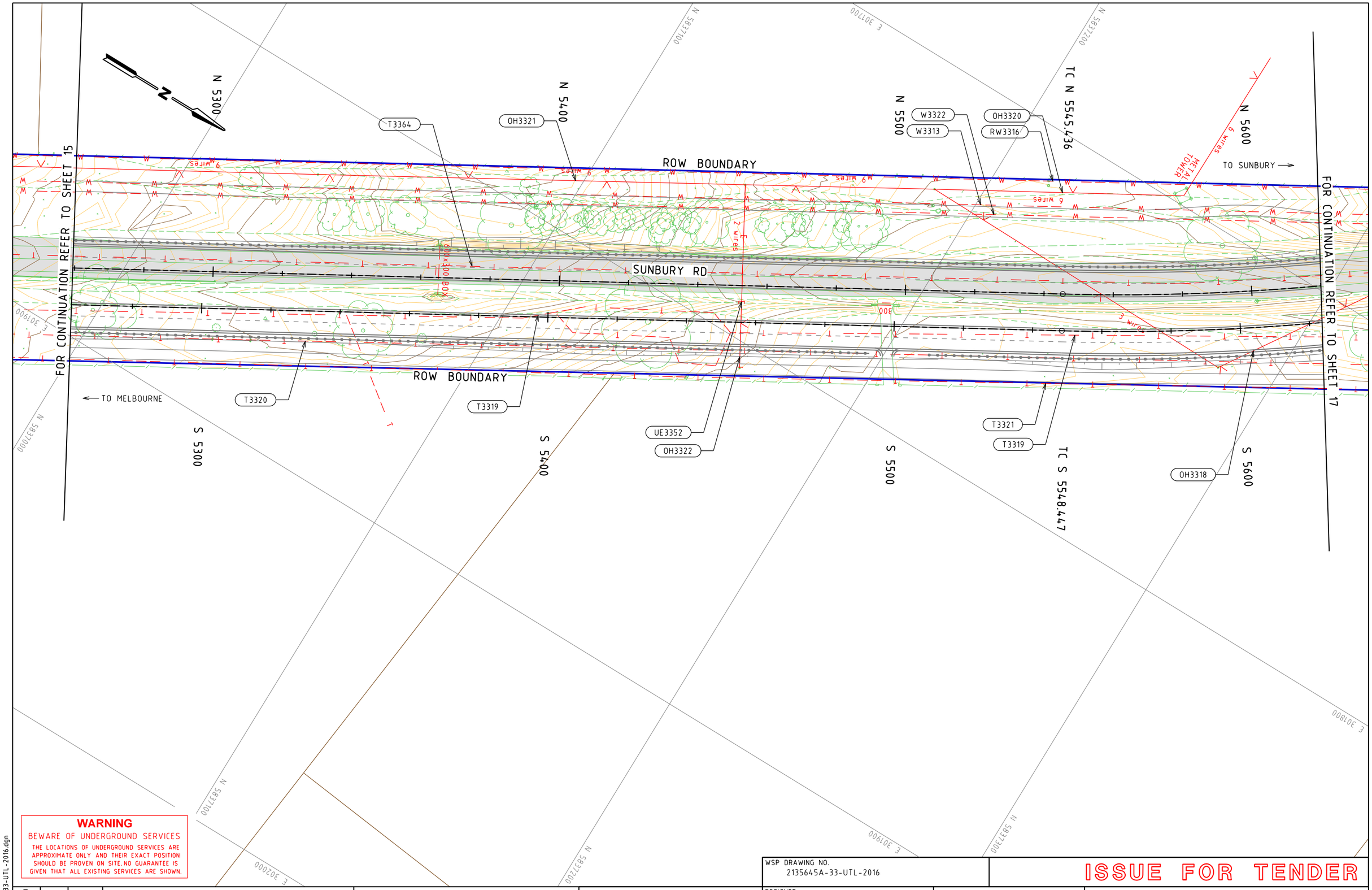

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WSP DRAWING NO. 2135645A-33-UTL-2016

DESIGNED C. HANNAH 23.01.19

APPROVED K. SOLIMAN 06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2016.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
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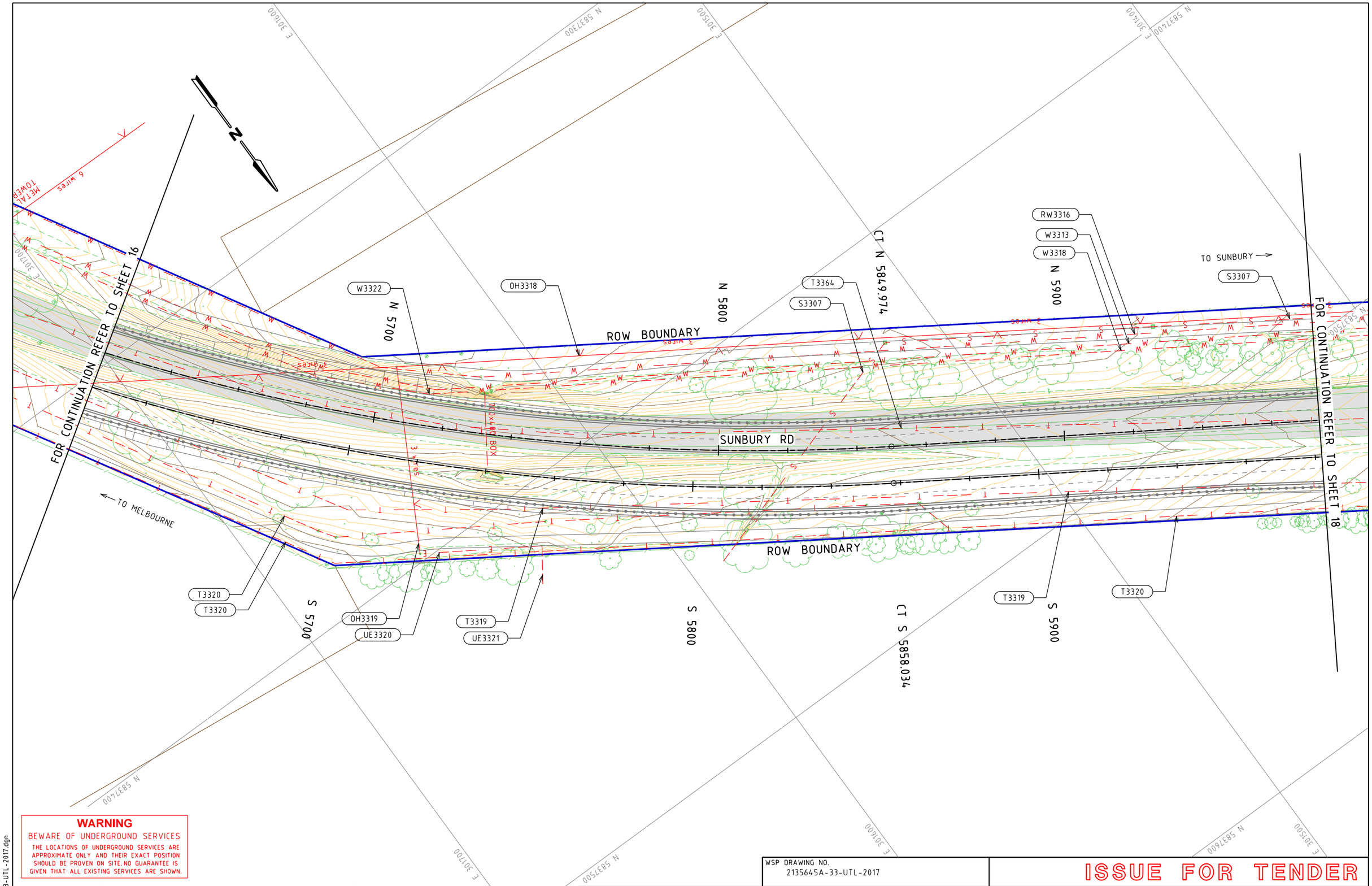

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WSP DRAWING NO.
2135645A-33-UTL-2017

DESIGNED
C. HANNAH
23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2017.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		17	UTL-2017	B

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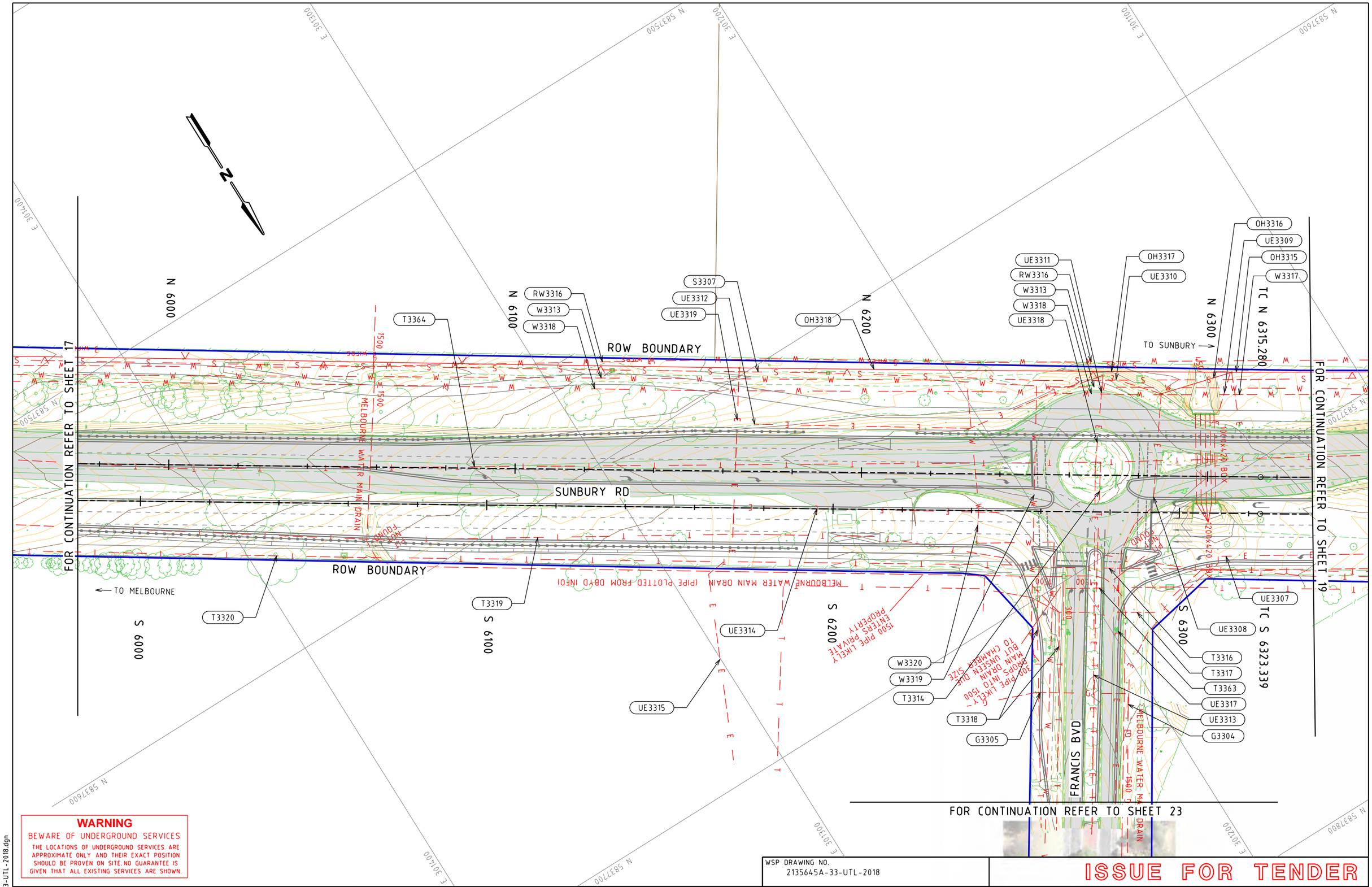

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

WSP DRAWING NO. 2135645A-33-UTL-2018

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

wsp
Level 15, 28 Freshwater Place, Southbank
Melbourne, VIC 3006, Australia
Tel: +61 3 9861 1111 Fax: +61 3 9861 1144
wsp.com

DESIGNED C. HANNAH 23.01.19

APPROVED K. SOLIMAN 06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2018.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		18	UTL-2018	B

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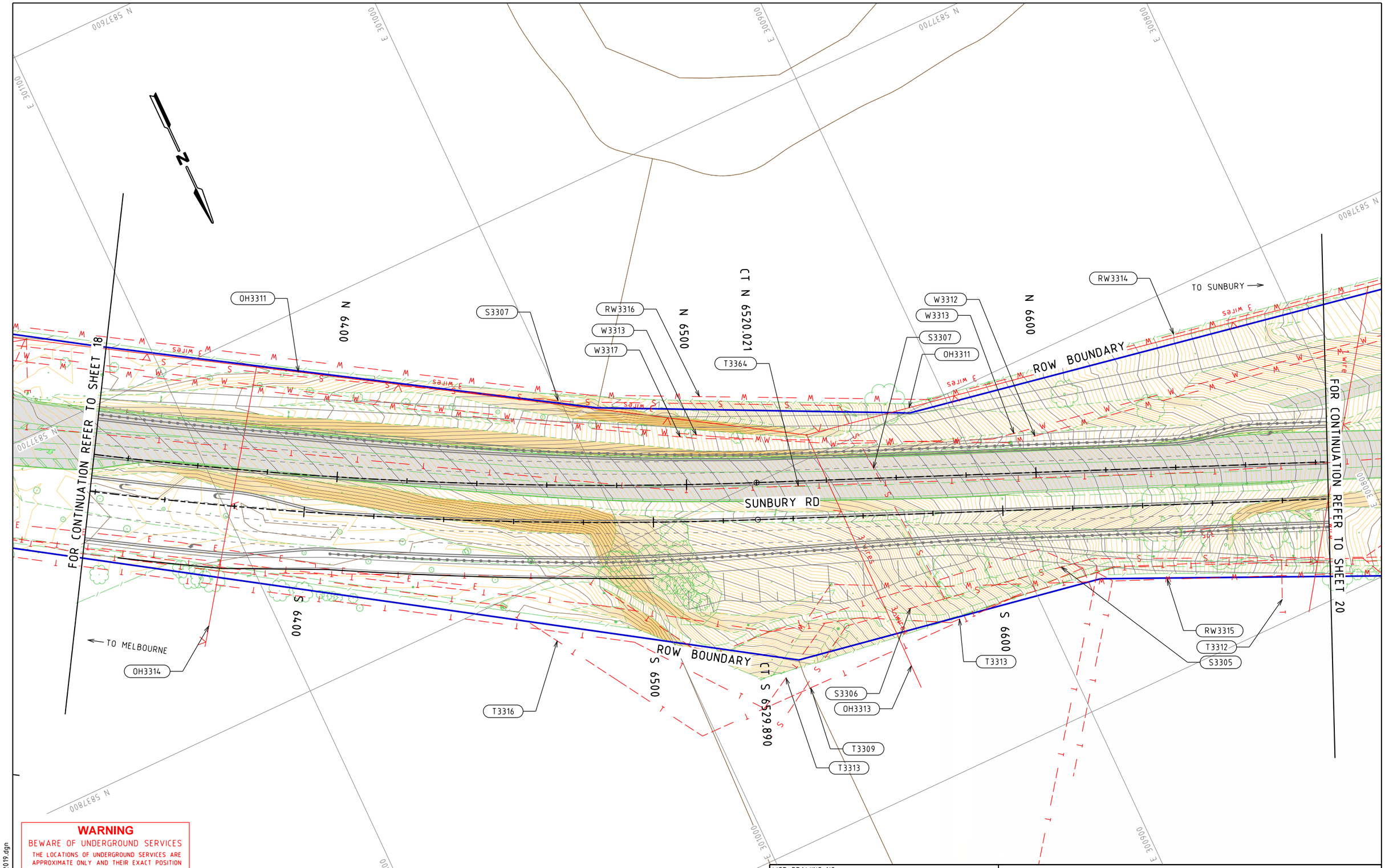

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WSP DRAWING NO.
2135645A-33-UTL-2019

ISSUE FOR TENDER

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C			
B	KS	23.01.19	DBYD FILES UPDATED WITH PROVEN SERVICES
A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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DESIGNED
C. HANNAH
23.01.19

APPROVED
K. SOLIMAN
06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2019.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		19	UTL-2019	B

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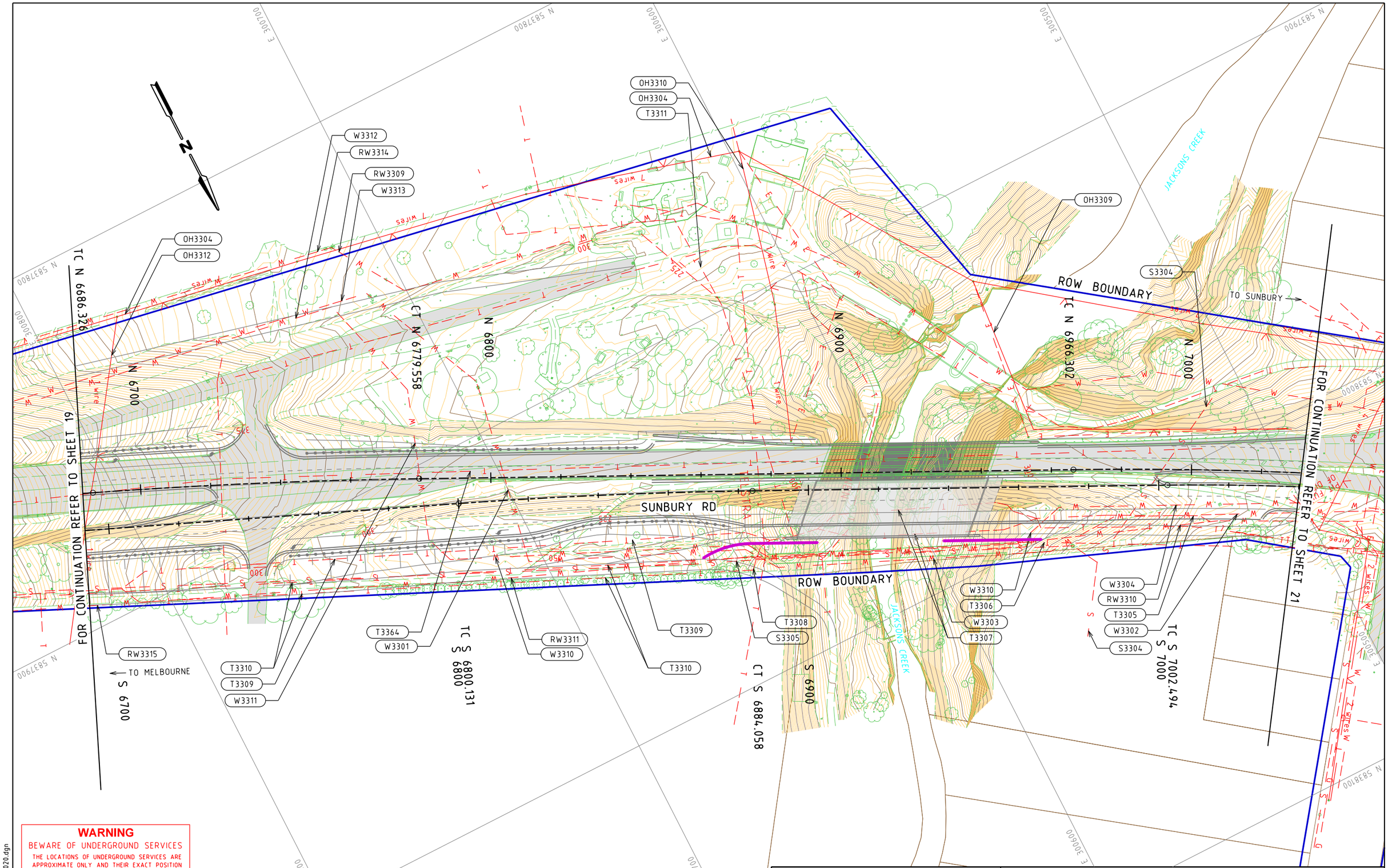

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E			
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C			
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A	KS	06.12.18	ISSUE FOR TENDER

GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-UTL-2020

ISSUE FOR TENDER

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23.01.19

APPROVED
K. SOLIMAN
06.12.18

MAJOR ROAD PROJECTS AUTHORITY

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2020.dgn

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

SUNBURY RD
BULLA - DIGGERS REST RD TO POWLETT ST
UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		20	UTL-2020	B

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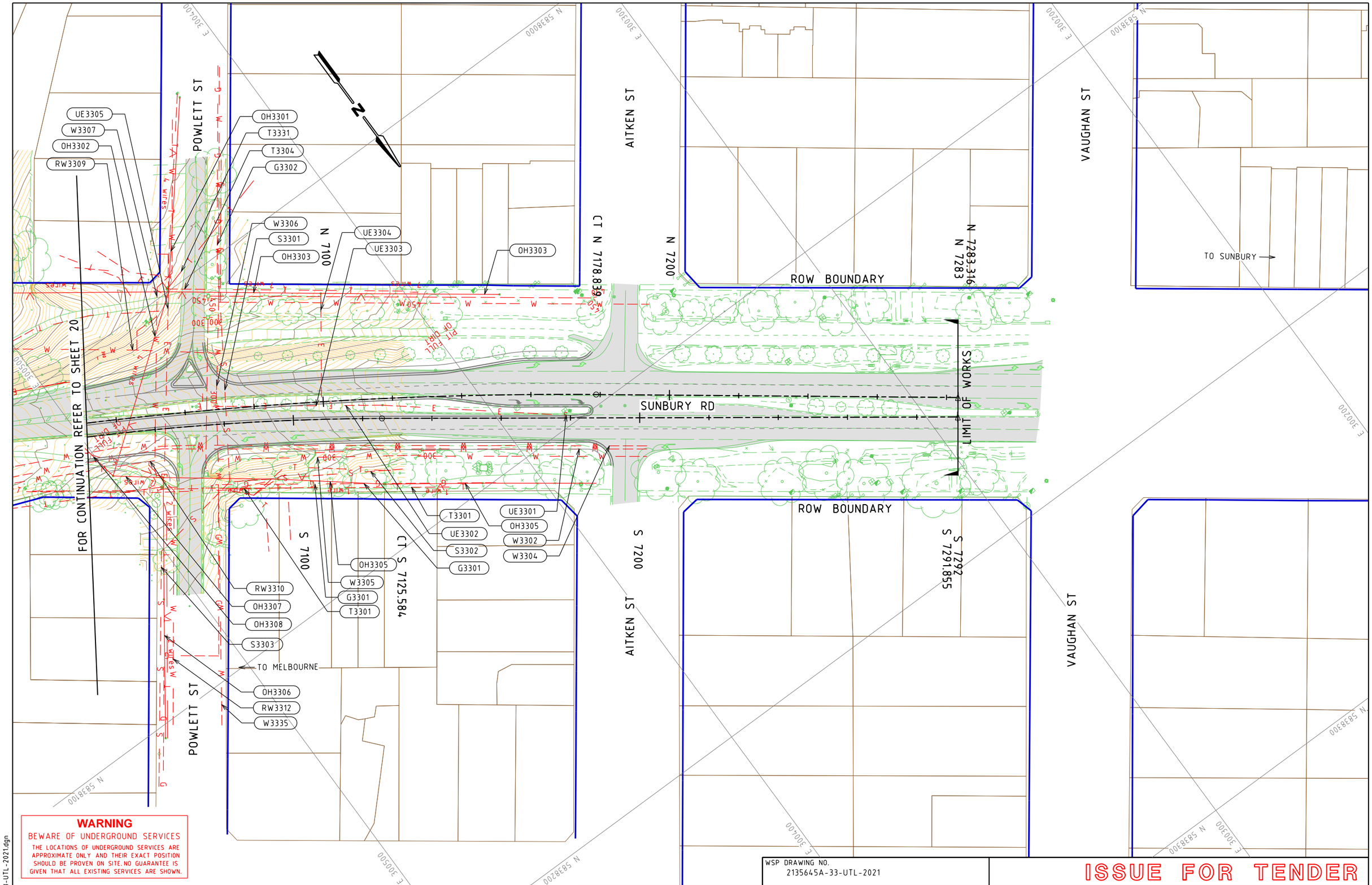

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GENERAL NOTES

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WSP DRAWING NO.
2135645A-33-UTL-2021

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APPROVED
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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2021.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		21	UTL-2021	B

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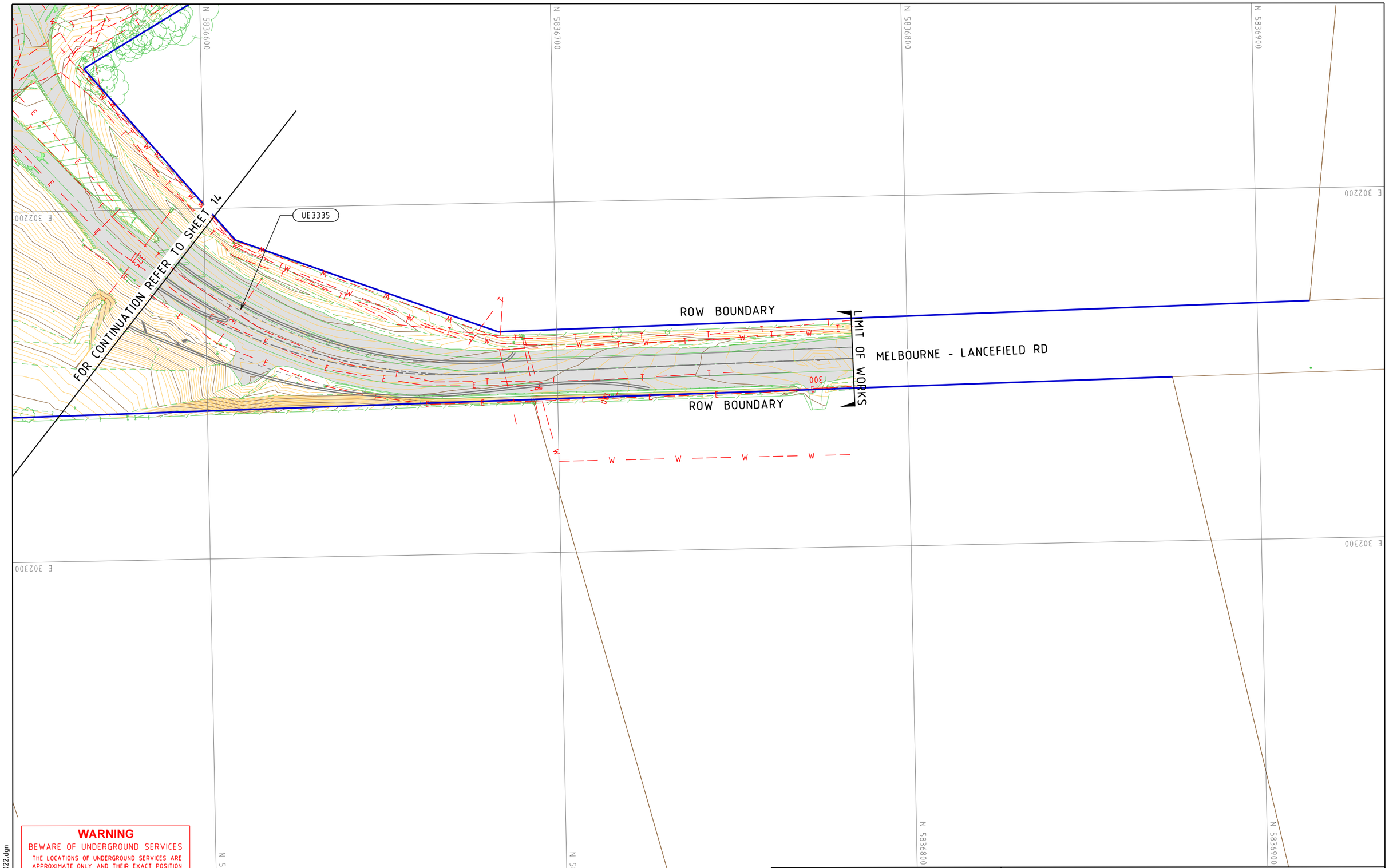

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WSP DRAWING NO.
2135645A-33-UTL-2022

DESIGNED
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APPROVED
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06.12.18

CAT: PS101340_2135645A
PROJ: NORTHERN ROADS UPGRADE PROJECT
FILE: 2135645A-33-UTL-2022.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

BULLA - DIGGERS REST RD TO POWLETT ST

UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		22	UTL-2022	B

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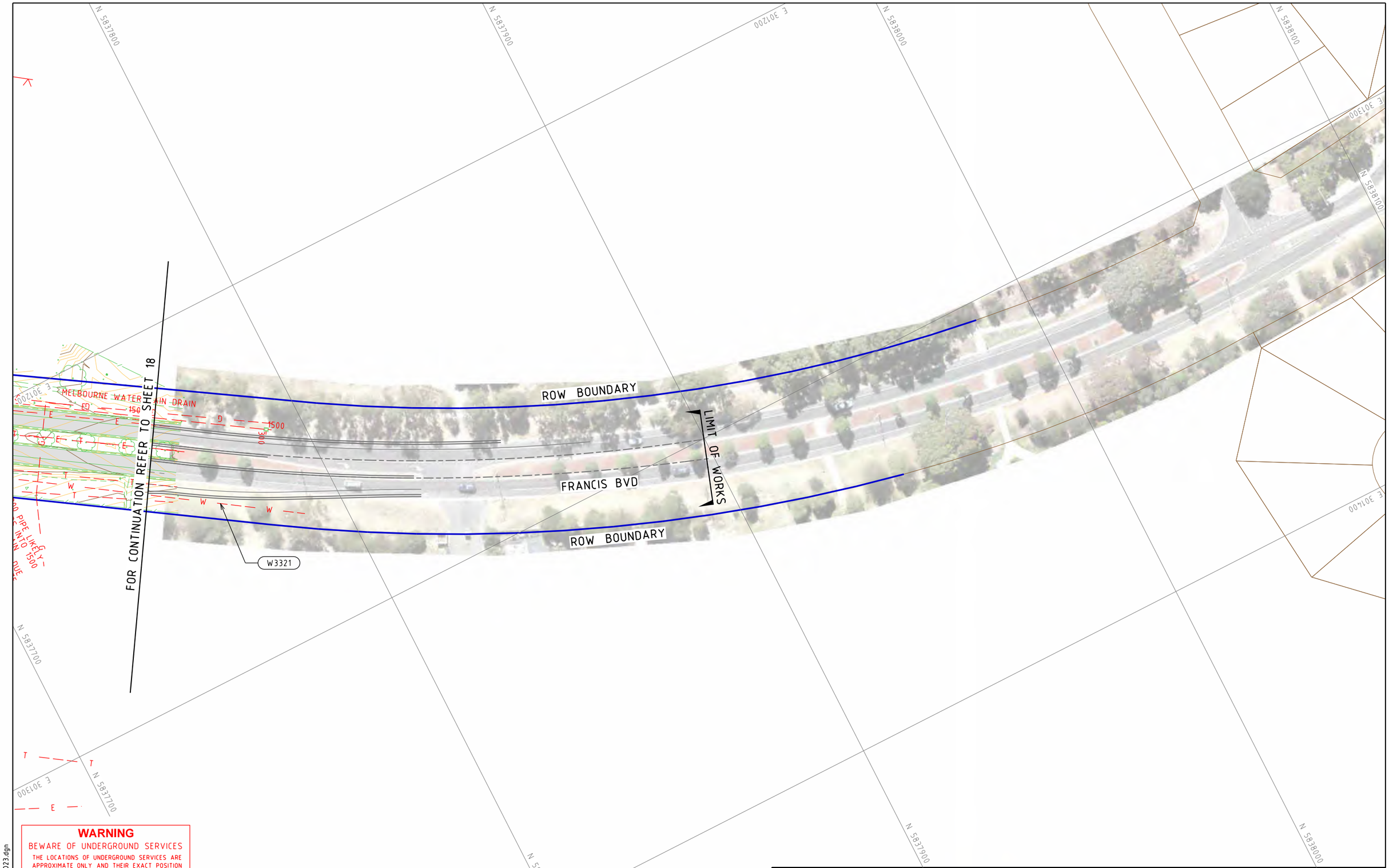

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CAT: PS101340_2135645A
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FILE: 2135645A-33-UTL-2023.dgn

MAJOR ROAD PROJECTS AUTHORITY

SCALE OF METRES
HOR 0 10 20
VER 0 10 20

ISSUE FOR TENDER

SUNBURY RD

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UTILITY IMPACT ASSESSMENT PLAN

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
		23	UTL-2023	B

23/01/2019 3:56:01 PM Default 2135645A-33-UTL-2023.dgn