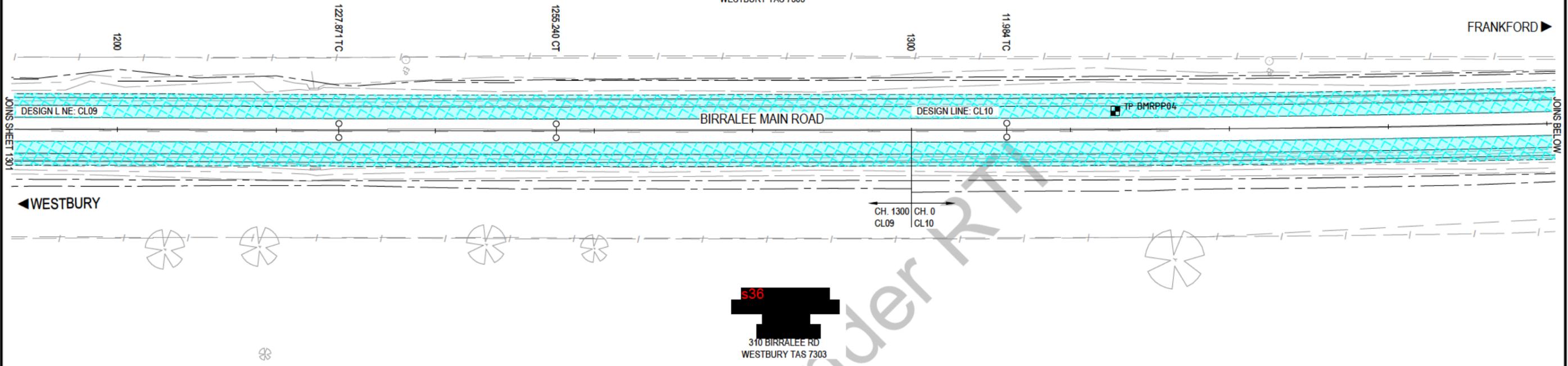
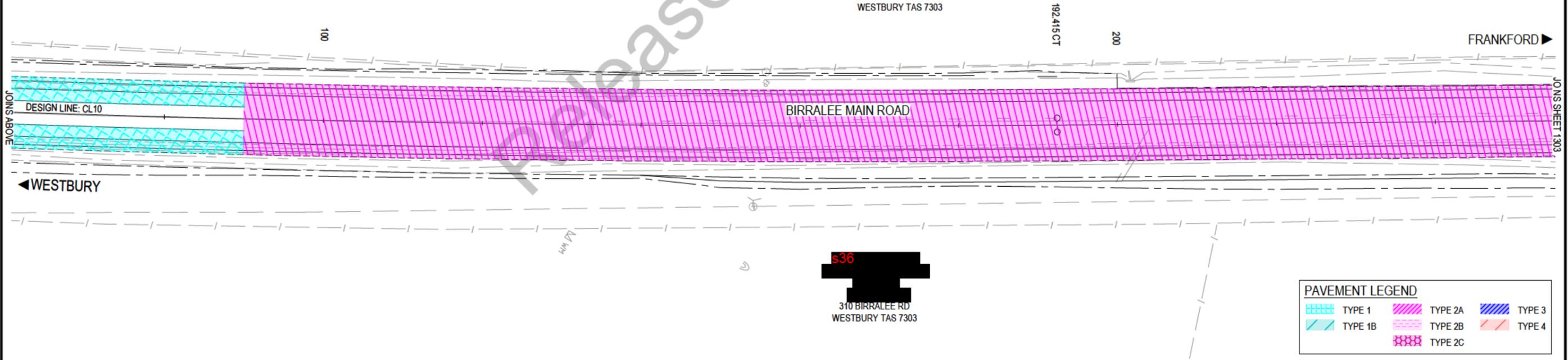




GLEN AVON FARMS PTY LTD  
 ID - 3121086  
 TITLE - 160990/1  
 135 BIRRALEE RD  
 WESTBURY TAS 7303



GLEN AVON FARMS PTY LTD  
 ID - 3121086  
 TITLE - 160990/1  
 135 BIRRALEE RD  
 WESTBURY TAS 7303



PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
	TYPE 4		

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22

SCALES  
 1:500 (A3)

SCALE IN METRES - 1:500

Co-ordinate System: MGA 2020 Z55    Height Datum: A.H.D.

**pitt&sherry**

DESIGNED: L.A.  
 REVIEWED:

Department of State Growth

BIRRALEE MAIN ROAD (A1701)  
 NORTHERN ROADS PACKAGE  
 SHOULDER WIDENING

PAVEMENT AND SURFACING PLAN - DRG 2

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1302	29-Mar-22, 10:34 AM	1302
REGISTRATION NUMBER			REVISION A



GLEN AVON FARMS PTY LTD  
 D - 3121086  
 TITLE - 160990/1  
 135 B RRALEE RD  
 WESTBURY TAS 7303

FRANKFORD ►

300

400

DESIGN LINE: CL10

BIRRALEE MAIN ROAD

JOINS SHEET 1302

JOINS BELOW

◄ WESTBURY

s36  
 310 BIRRALEE RD  
 WESTBURY TAS 7303



GLEN AVON FARMS PTY LTD  
 D - 3121086  
 TITLE - 160990/1  
 135 B RRALEE RD  
 WESTBURY TAS 7303

s36  
 321 B RRALEE RD  
 WESTBURY TAS 7303

FRANKFORD ►

500

600

DESIGN LINE: CL10

BIRRALEE MAIN ROAD

JOINS ABOVE

JOINS SHEET 1304

◄ WESTBURY

TP BMRPP05

s36  
 310 BIRRALEE RD  
 WESTBURY TAS 7303

PAVEMENT LEGEND		
	TYPE 1	
	TYPE 1B	
	TYPE 2C	
	TYPE 4	

SCALES

1:500 (A3)



SCALE IN METRES - 1:500

pitt&sherry



Department of State Growth

BIRRALEE MAIN ROAD (A1701)  
 NORTHERN ROADS PACKAGE  
 SHOULDER WIDENING

CONTRACT No.

DRAW NG  
 S-P.20.2000-00-CIV-DRG-1303

PRINTED DATE  
 29-Mar-22, 10:34 AM

SHEET No.

1303

REGISTRATION NUMBER

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	L.B	29/03/22

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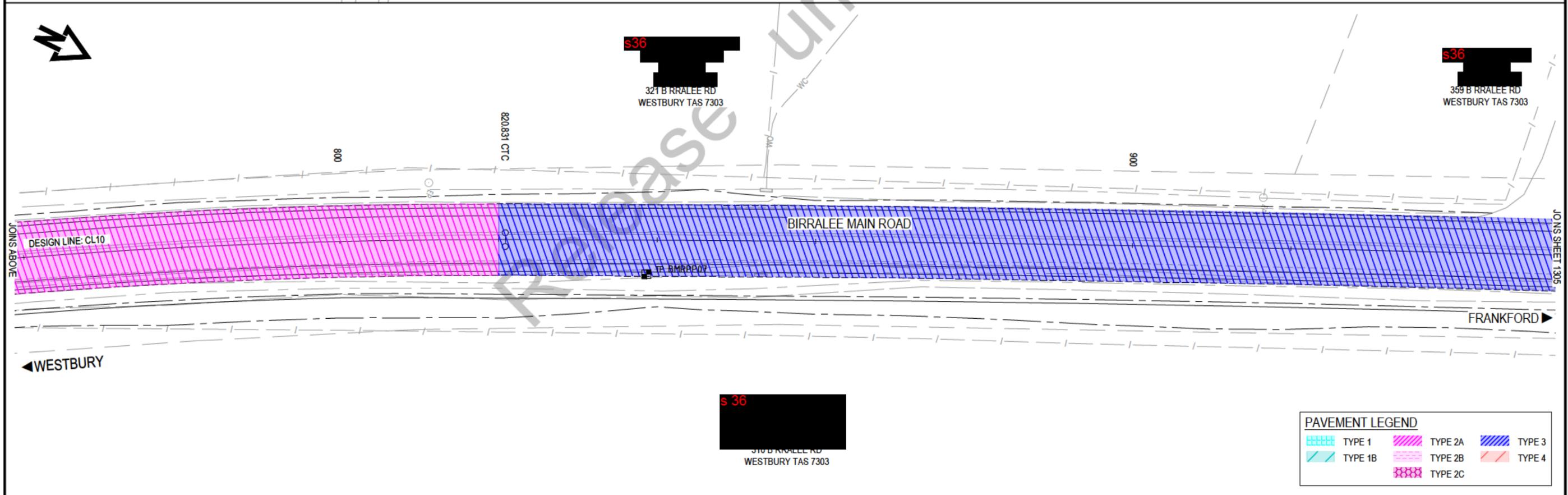
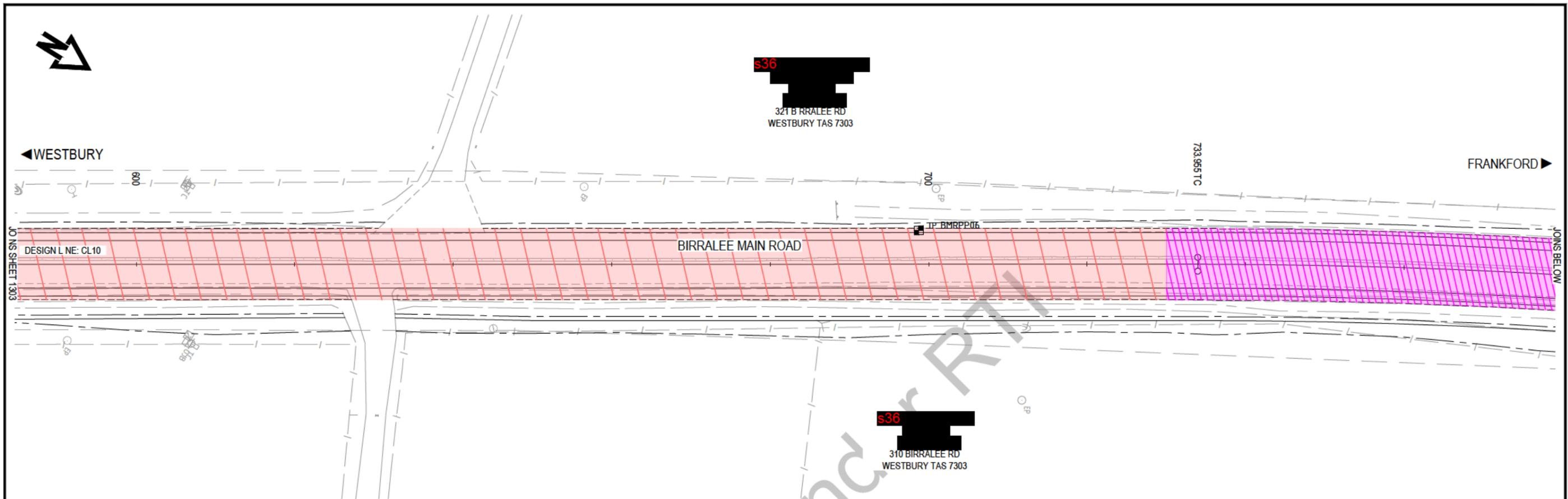
Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.

DESIGNED L.A

REVIEWED

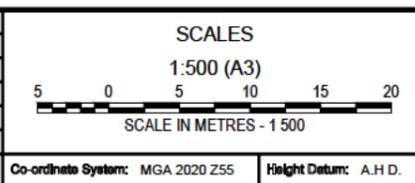
PAVEMENT AND SURFACING PLAN - DRG 3

REVISION A



PAVEMENT LEGEND					
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	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22



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REVIEWED

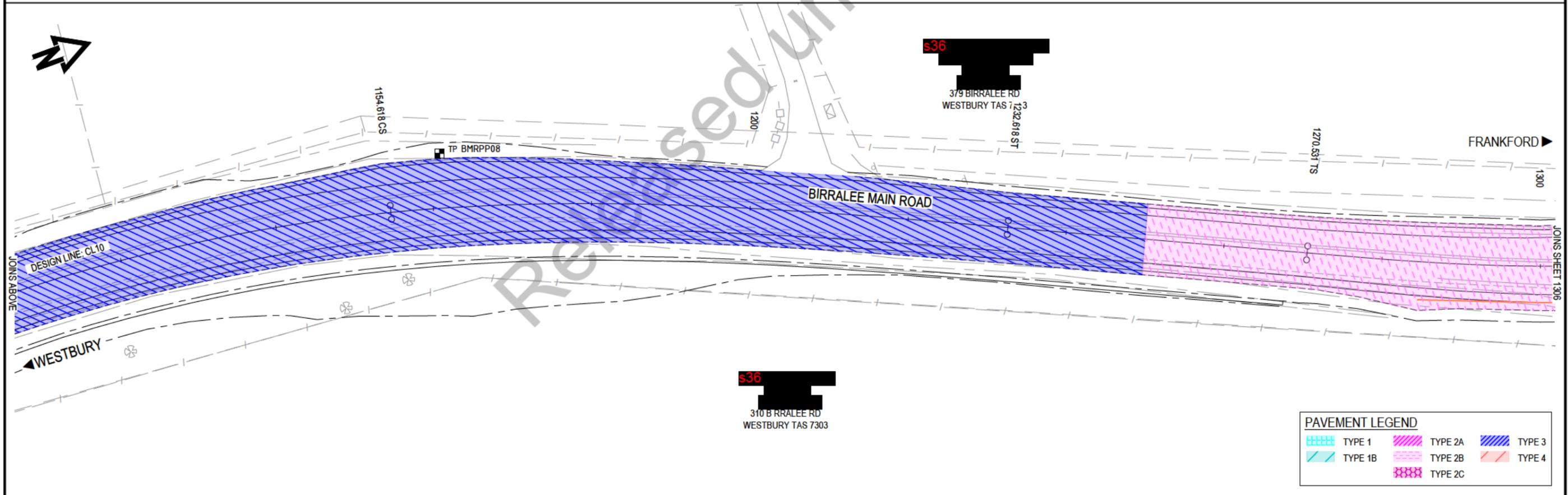
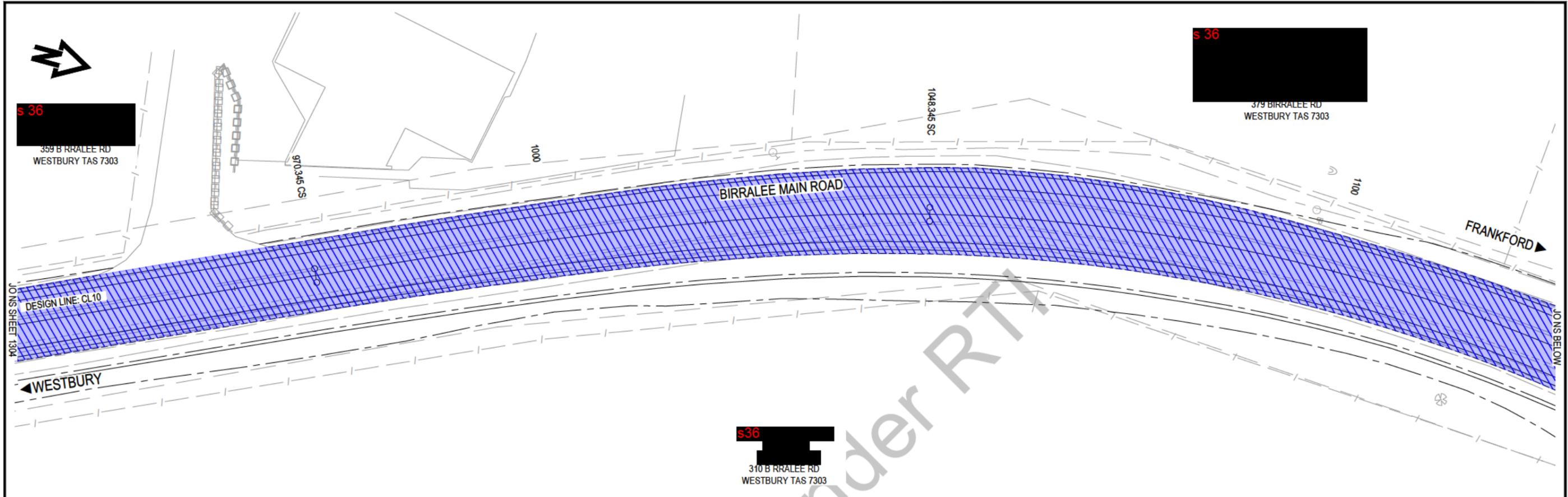
Department of State Growth  
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

PAVEMENT AND SURFACING PLAN - DRG 4

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
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REGISTRATION NUMBER			REVISION A

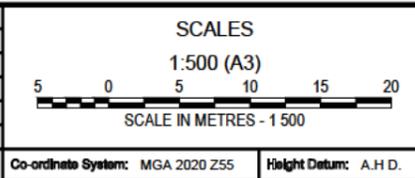
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Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.



PAVEMENT LEGEND					
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	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22



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REVIEWED

Department of State Growth

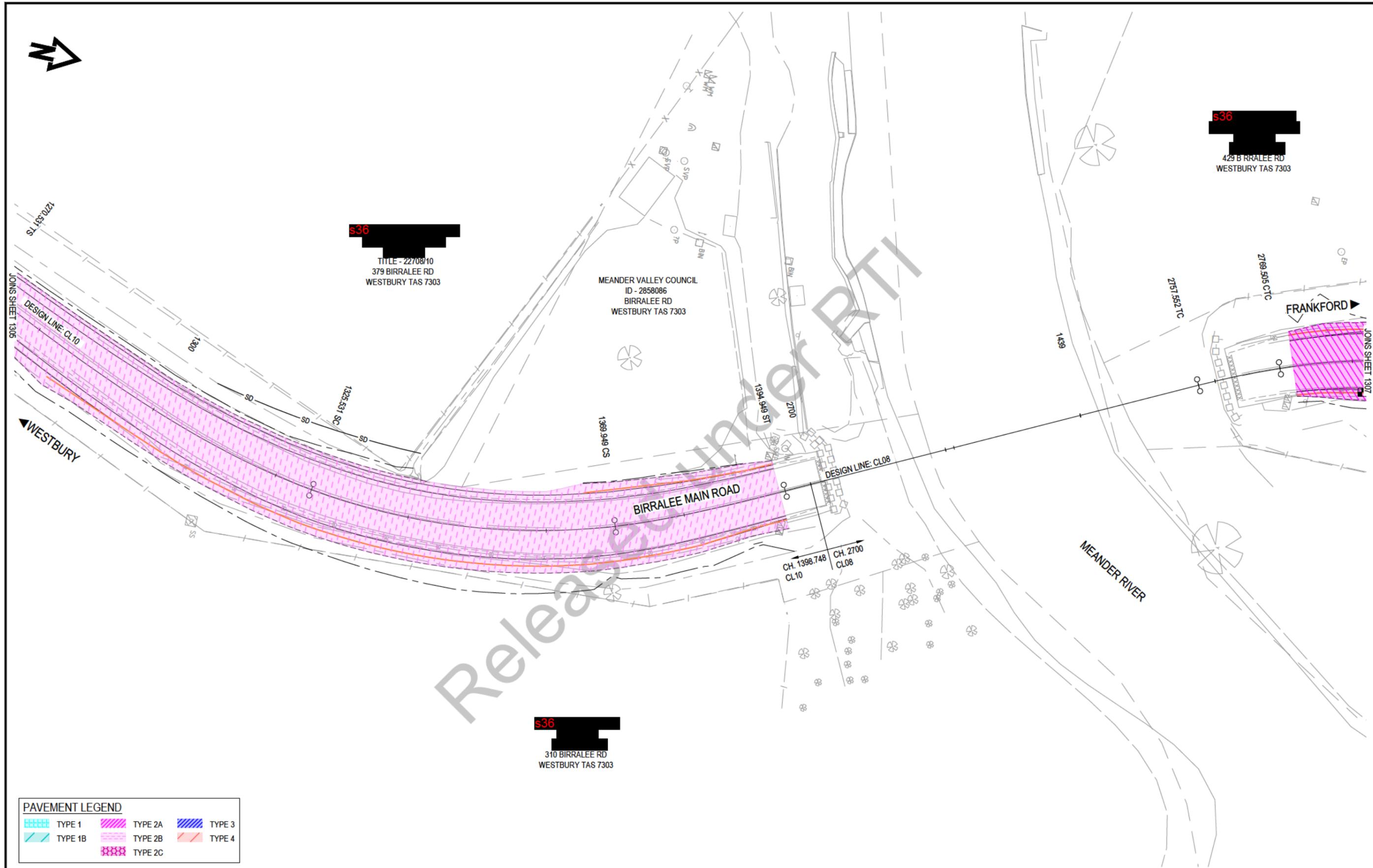
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

PAVEMENT AND SURFACING PLAN - DRG 5

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1305	29-Mar-22, 10:34 AM	1305
REGISTRATION NUMBER			REVISION A

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Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.



s36  
TITLE - 22708/10  
379 BIRRALEE RD  
WESTBURY TAS 7303

MEANDER VALLEY COUNCIL  
ID - 2858086  
BIRRALEE RD  
WESTBURY TAS 7303

s36  
429 BIRRALEE RD  
WESTBURY TAS 7303

s36  
310 BIRRALEE RD  
WESTBURY TAS 7303

PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
	TYPE 4		TYPE 5

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	L.B	29/03/22

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SCALE IN METRES - 1 500

Co-ordinate System: MGA 2020 Z55    Height Datum: A.H.D.

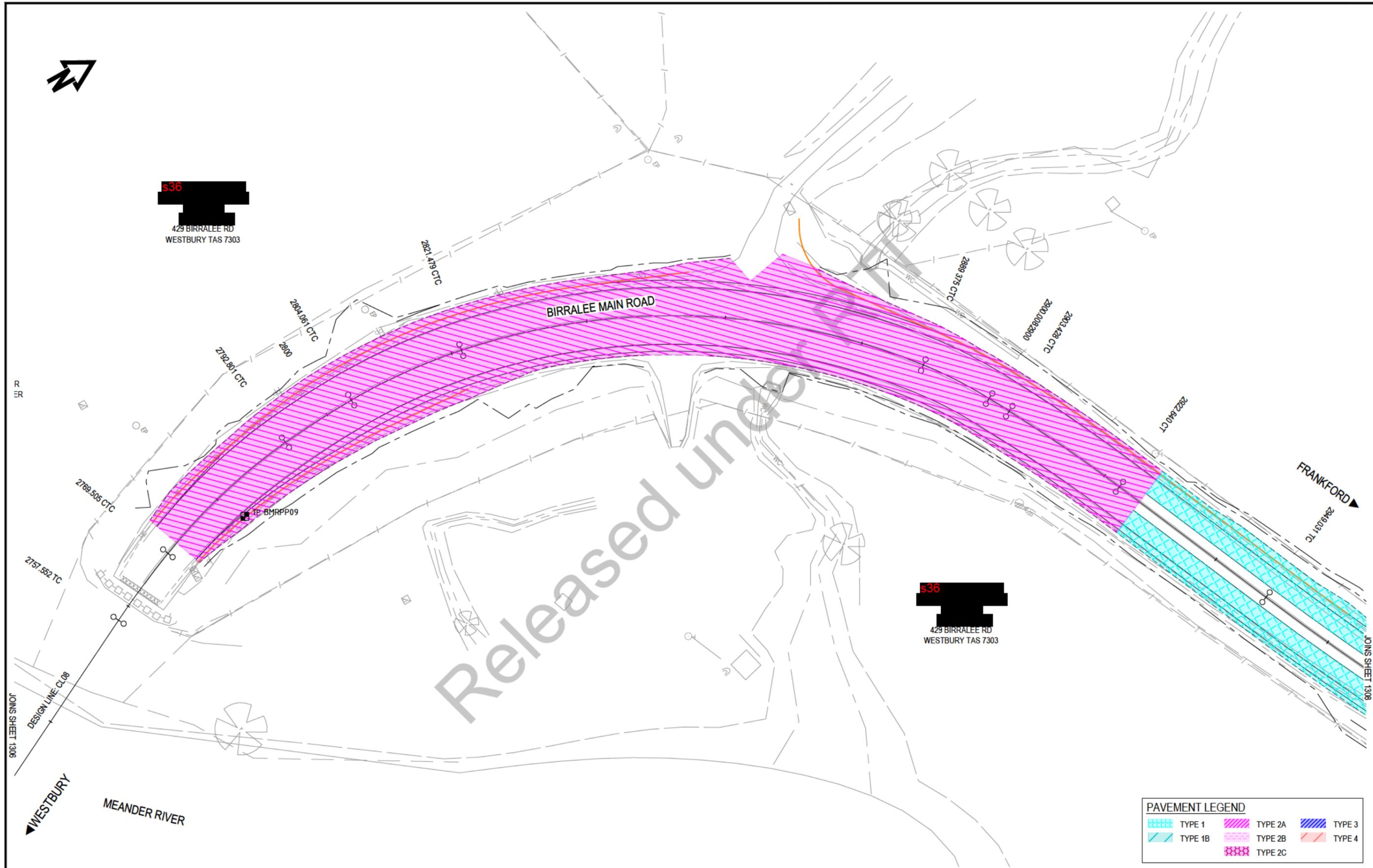
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Thamesian Government

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Department of State Growth  
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

PAVEMENT AND SURFACING PLAN - DRG 6

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1306	29-Mar-22, 10:35 AM	1306
REGISTRATION NUMBER			REVISION A



PAVEMENT LEGEND					
	TYPE 1		TYPE 2A		TYPE 3
	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	L.B	29/03/22

SCALES  
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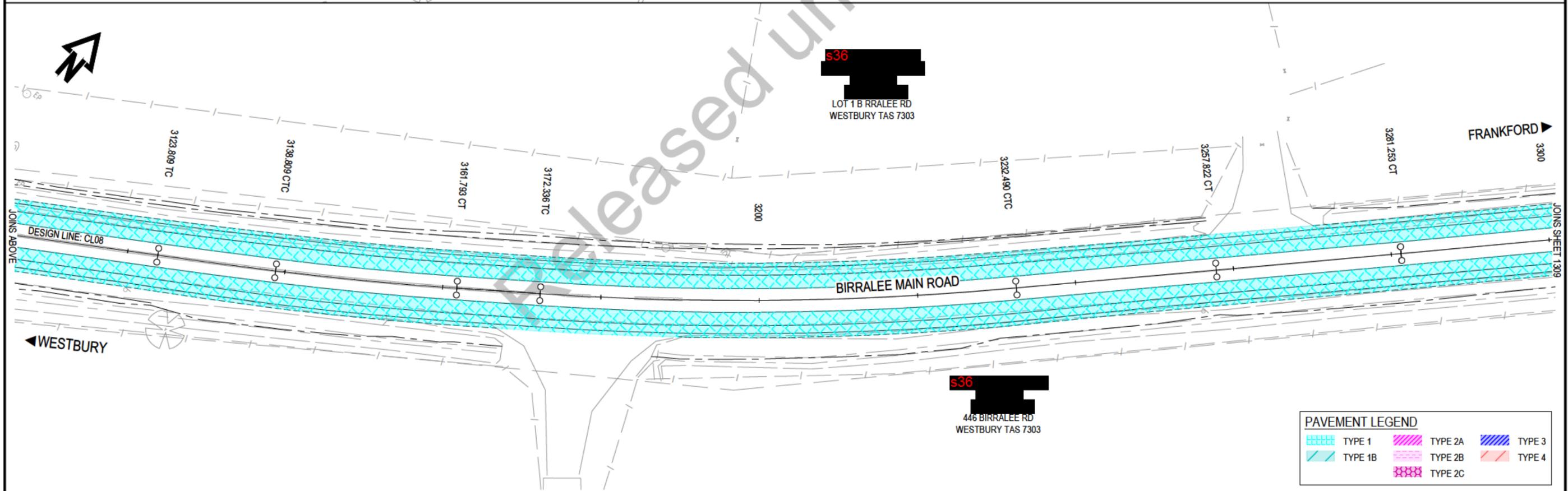
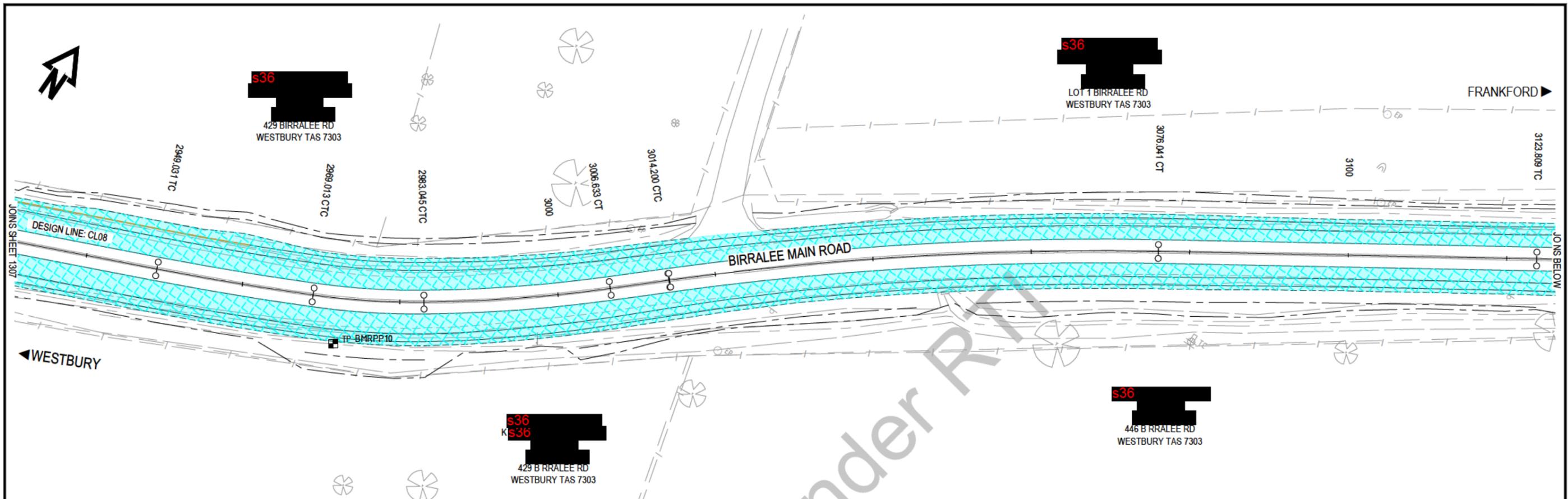
DESIGNED L.A.  
 REVIEWED

Department of State Growth  
 BIRRALEE MAIN ROAD (A1701)  
 NORTHERN ROADS PACKAGE  
 SHOULDER WIDENING  
 PAVEMENT AND SURFACING PLAN - DRG 7

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
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REGISTRATION NUMBER			REVISION A

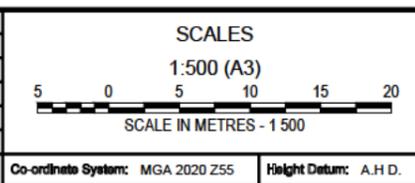
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Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.



PAVEMENT LEGEND			
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	TYPE 1B		TYPE 2B
	TYPE 3		TYPE 2C
	TYPE 4		

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	L.B	29/03/22



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Department of State Growth

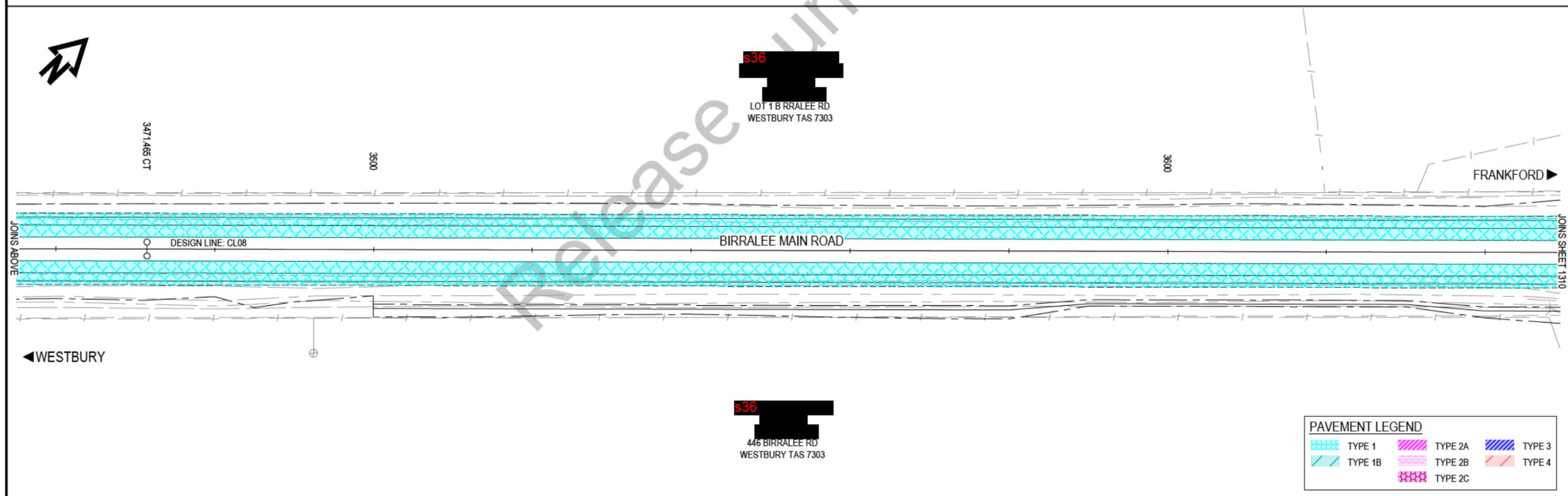
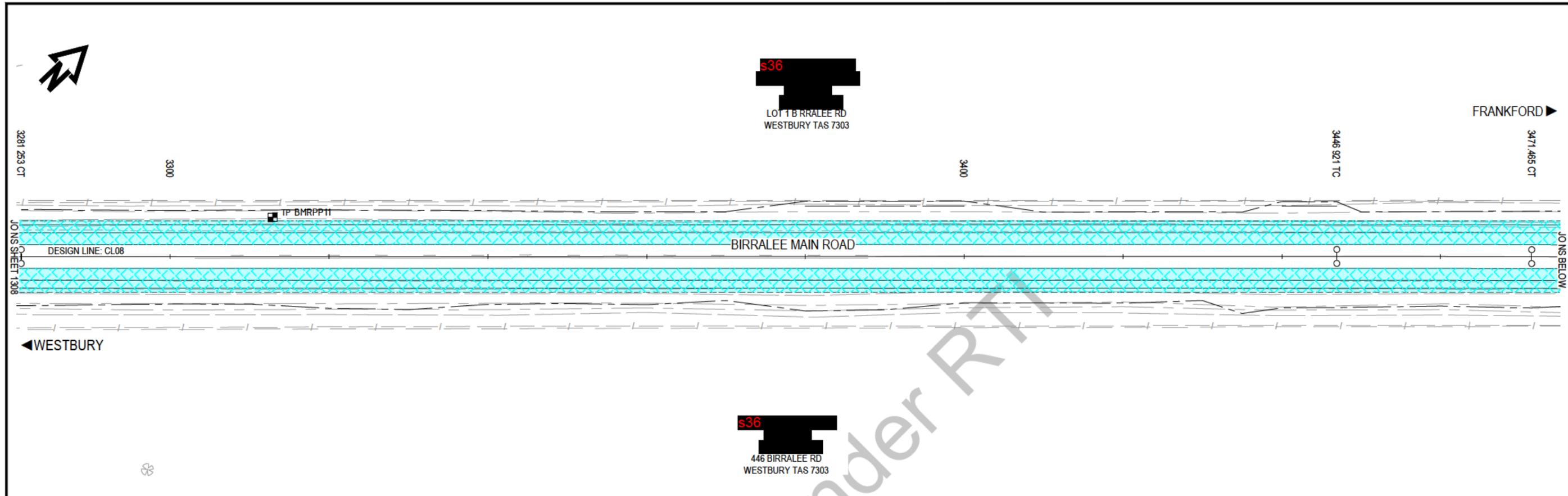
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

PAVEMENT AND SURFACING PLAN - DRG 8

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REGISTRATION NUMBER			REVISION A

A3 original This sheet may be prepared using colour and may be incomplete if copied

Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.



PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
			TYPE 4

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22

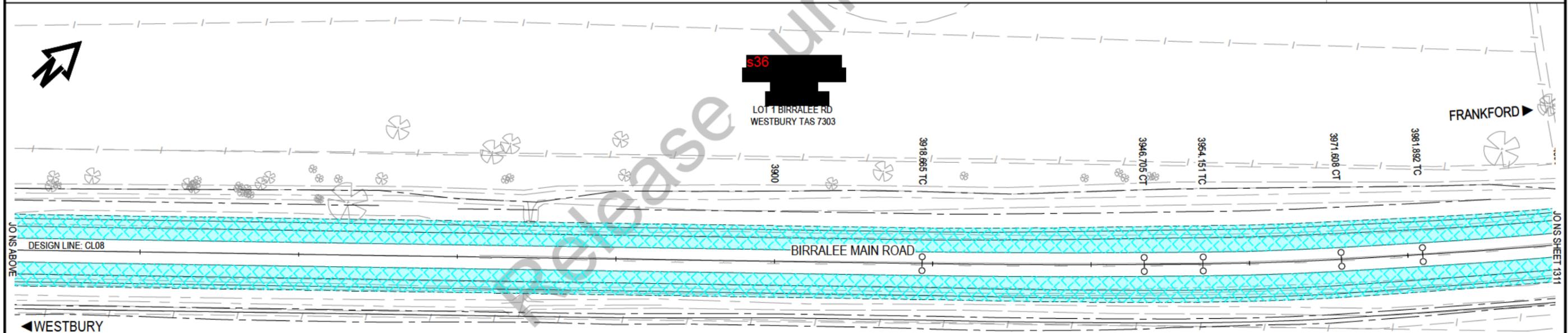
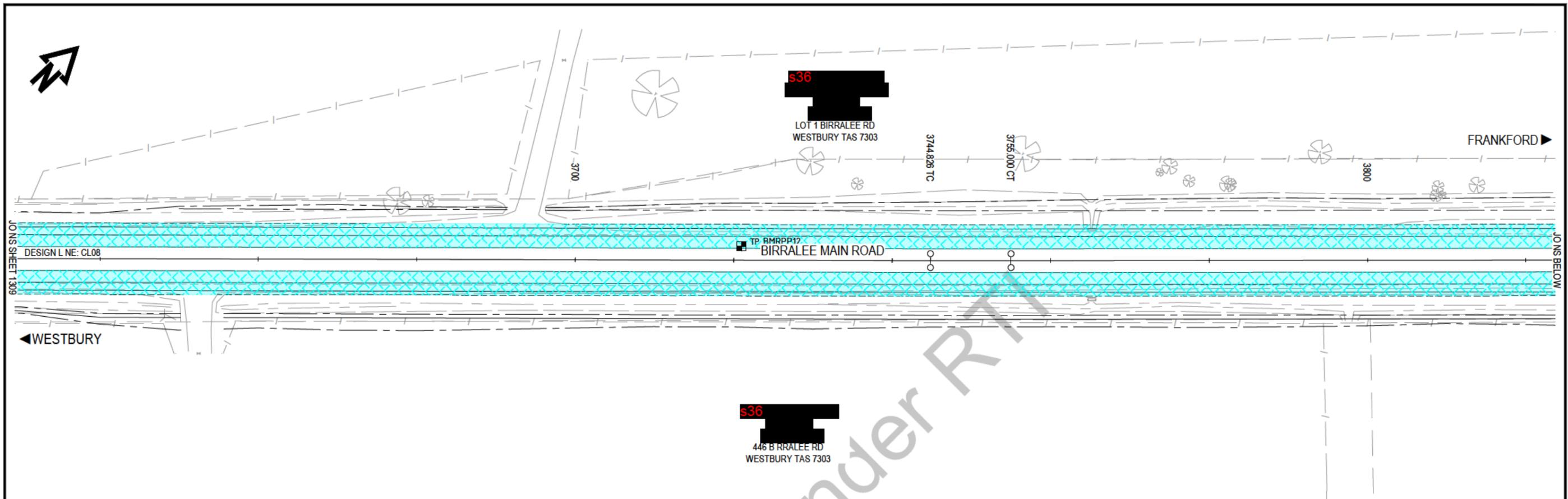
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 Co-ordinate System: MGA 2020 Z55    Height Datum: A.H.D.

DESIGNED: L.A.  
 REVIEWED:

Department of State Growth  
 BIRRALEE MAIN ROAD (A1701)  
 NORTHERN ROADS PACKAGE  
 SHOULDER WIDENING  
 PAVEMENT AND SURFACING PLAN - DRG 9

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1309	29-Mar-22, 10:35 AM	1309
REGISTRATION NUMBER			REVISION A

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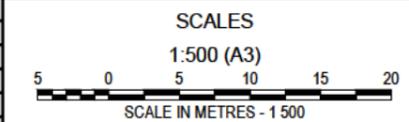


THE TRUST COMPANY (PTAL) LIMITED  
 ID - 7031184  
 TITLE - 142529/1  
 744 BIRRALEE RD  
 WESTBURY TAS 7303

PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
	TYPE 4		TYPE 4

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22

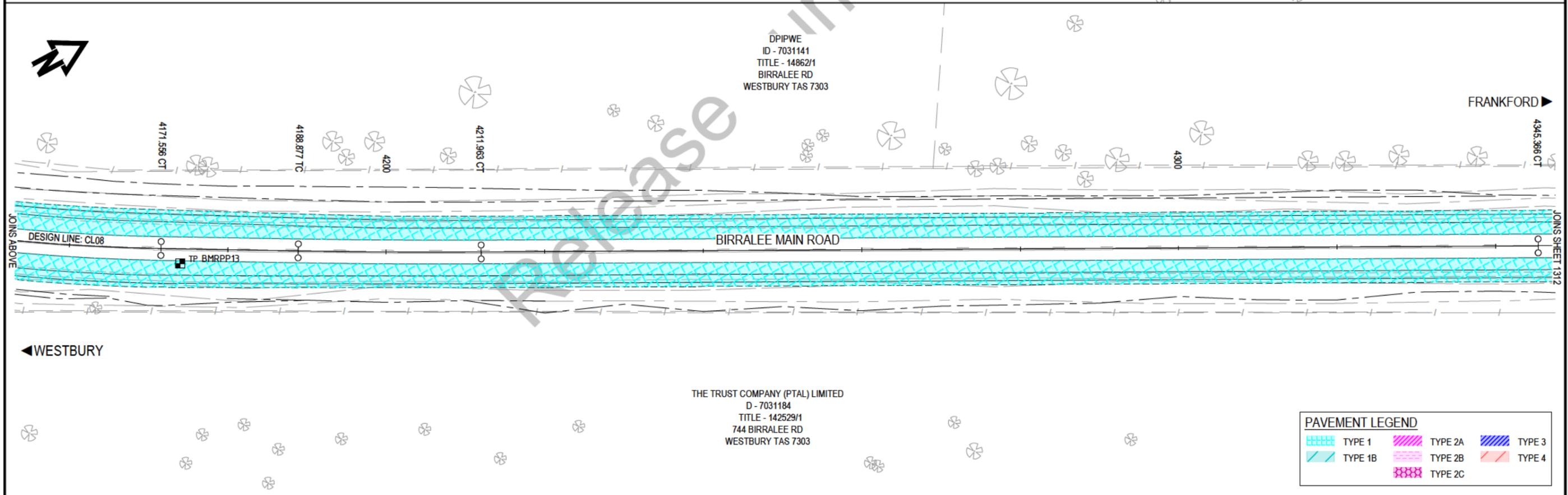
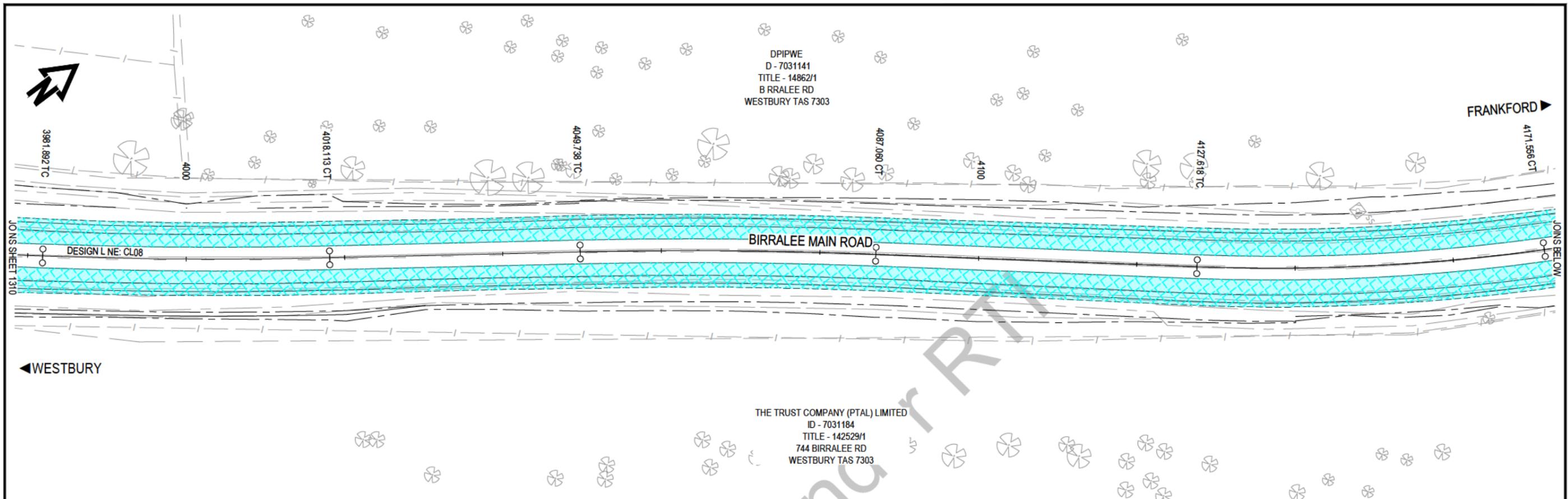
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 REVIEWED

Department of State Growth  
 BIRRALEE MAIN ROAD (A1701)  
 NORTHERN ROADS PACKAGE  
 SHOULDER WIDENING  
 PAVEMENT AND SURFACING PLAN - DRG 10

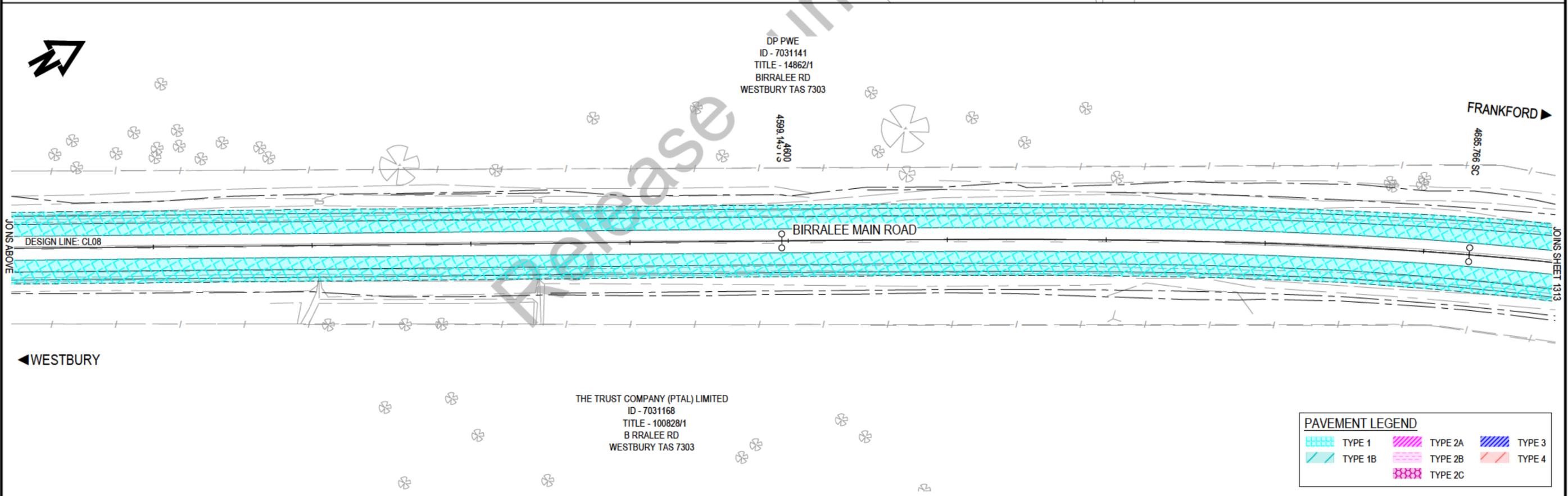
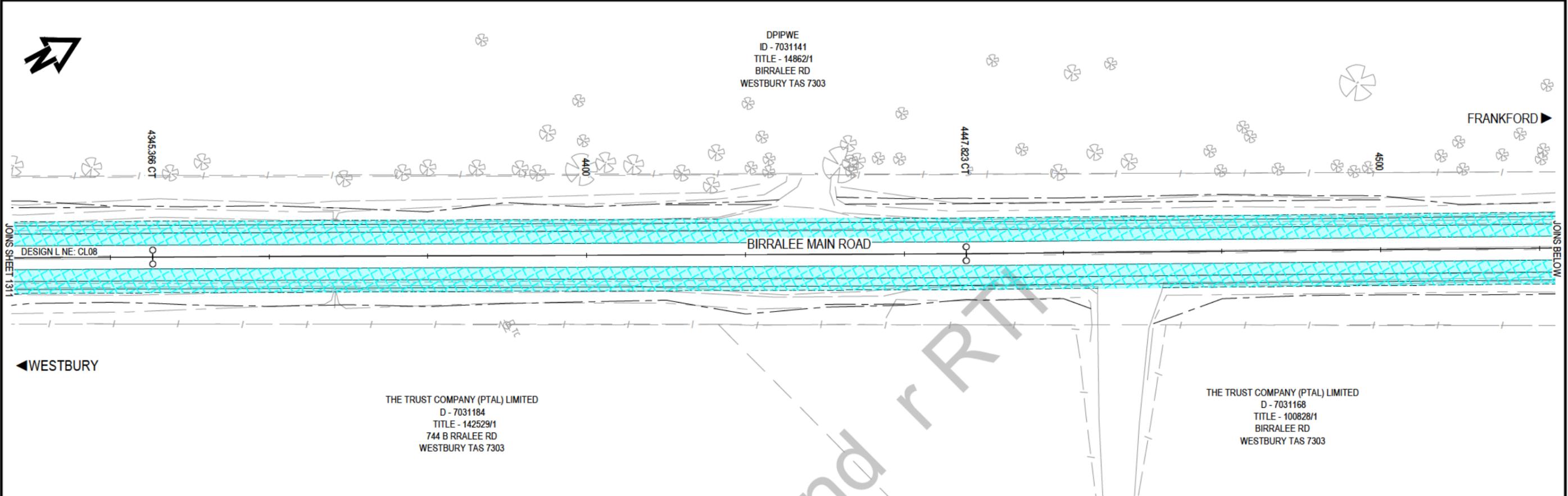
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-	S-P.20.2000-00-CIV-DRG-1310	29-Mar-22, 10:35 AM	1310
REGISTRATION NUMBER			REVISION A



PAVEMENT LEGEND					
	TYPE 1		TYPE 2A		TYPE 3
	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

<p>Department of State Growth</p> <p>BIRRALEE MAIN ROAD (A1701)</p> <p>NORTHERN ROADS PACKAGE</p> <p>SHOULDER WIDENING</p> <p>PAVEMENT AND SURFACING PLAN - DRG 11</p>		<p>CONTRACT No.</p> <p>-</p>	<p>DRAW NG</p> <p>S-P.20.2000-00-CIV-DRG-1311</p>	<p>PRINTED DATE</p> <p>29-Mar-22, 10:35 AM</p>	<p>SHEET No.</p> <p>1311</p>
<p>REGISTRATION NUMBER</p>		<p>REVISION A</p>			
<p>DESIGNED L.A.</p> <p>REVIEWED</p>		<p>Co-ordinate System: MGA 2020 Z55</p> <p>Height Datum: A.H.D.</p>			

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<p>A PREL MINARY DESIGN REV EW</p> <p>No. Amendment Description</p>	<p>LB</p> <p>Initials</p>	<p>29/03/22</p> <p>Date</p>	<p>Department of State Growth</p> <p>BIRRALEE MAIN ROAD (A1701)</p> <p>NORTHERN ROADS PACKAGE</p> <p>SHOULDER WIDENING</p> <p>PAVEMENT AND SURFACING PLAN - DRG 11</p>		



PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
	TYPE 4		TYPE 4

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	L.B	29/03/22

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SCALES  
1:500 (A3)

SCALE IN METRES - 1 500

Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.

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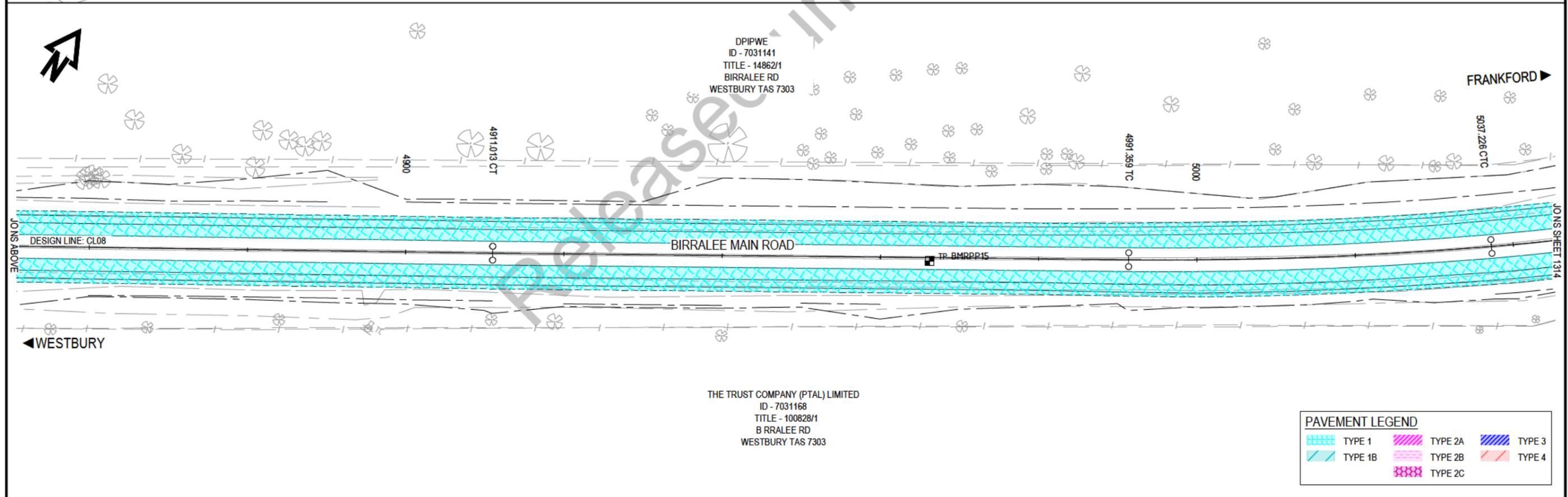
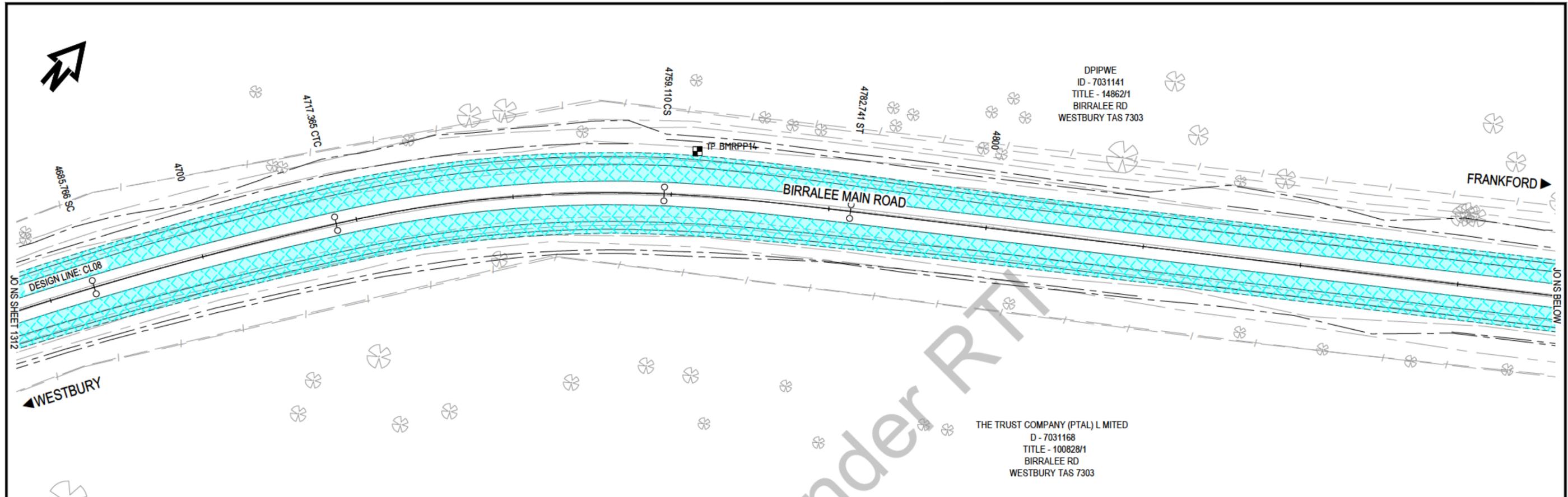
REVIEWED

Department of State Growth

BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

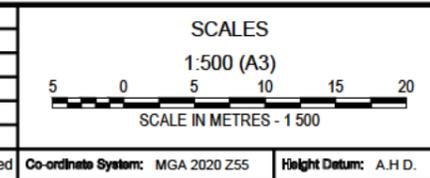
PAVEMENT AND SURFACING PLAN - DRG 12

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
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REGISTRATION NUMBER			REVISION A



PAVEMENT LEGEND					
	TYPE 1		TYPE 2A		TYPE 3
	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22



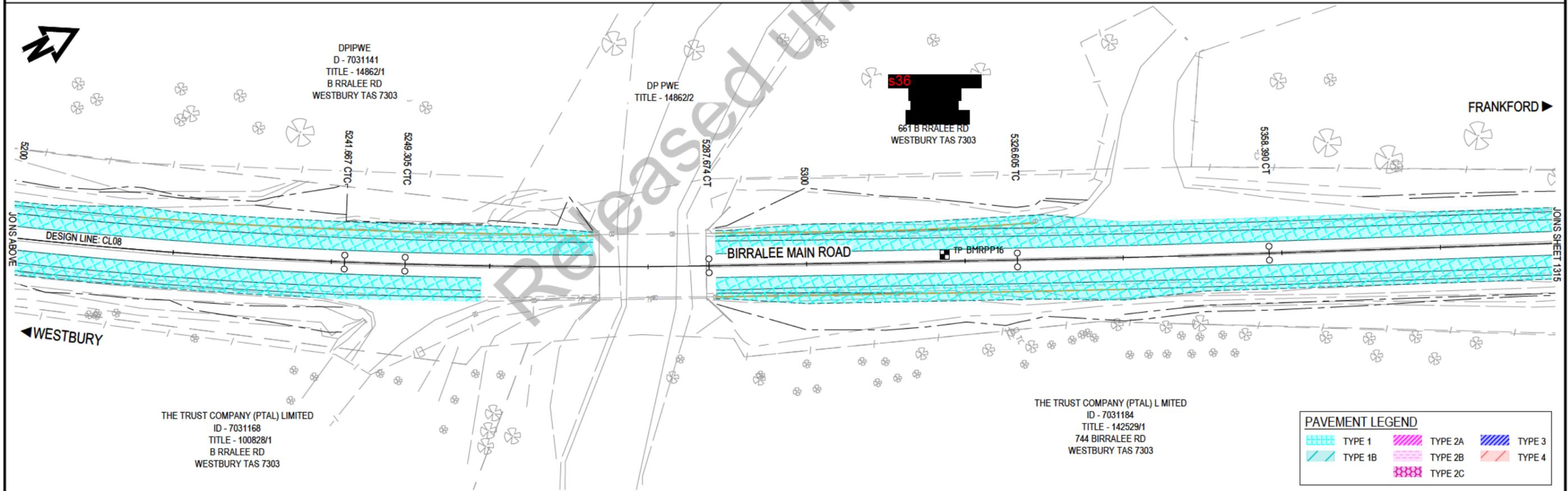
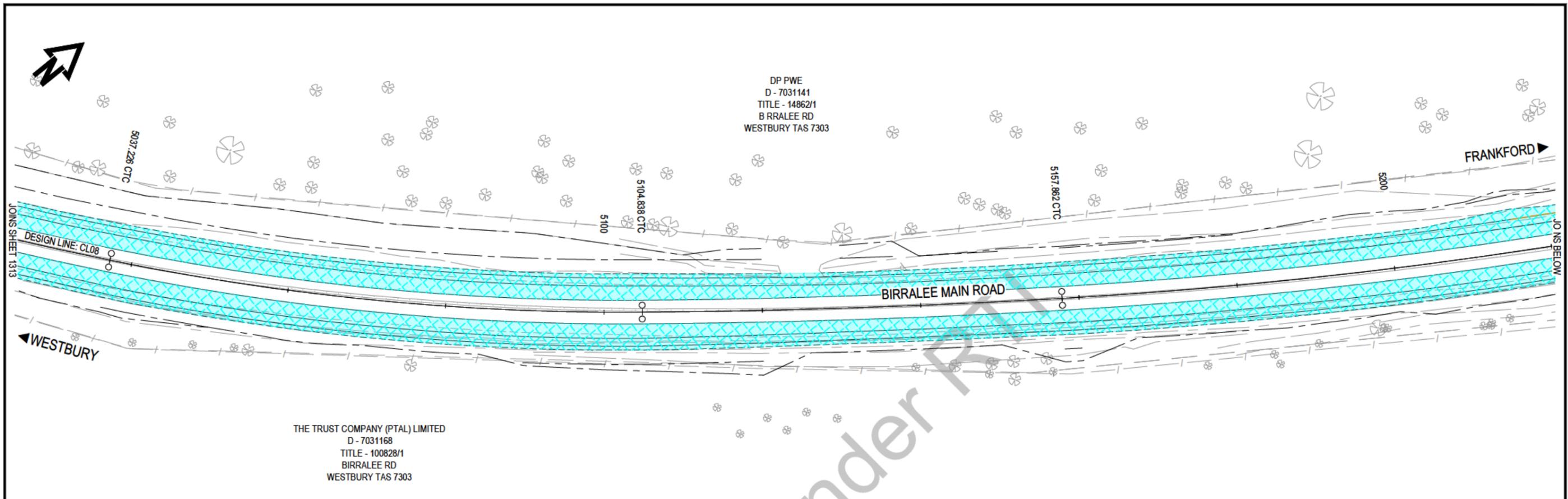
**pitt&sherry**

DESIGNED: L.A.  
REVIEWED:

Department of State Growth  
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

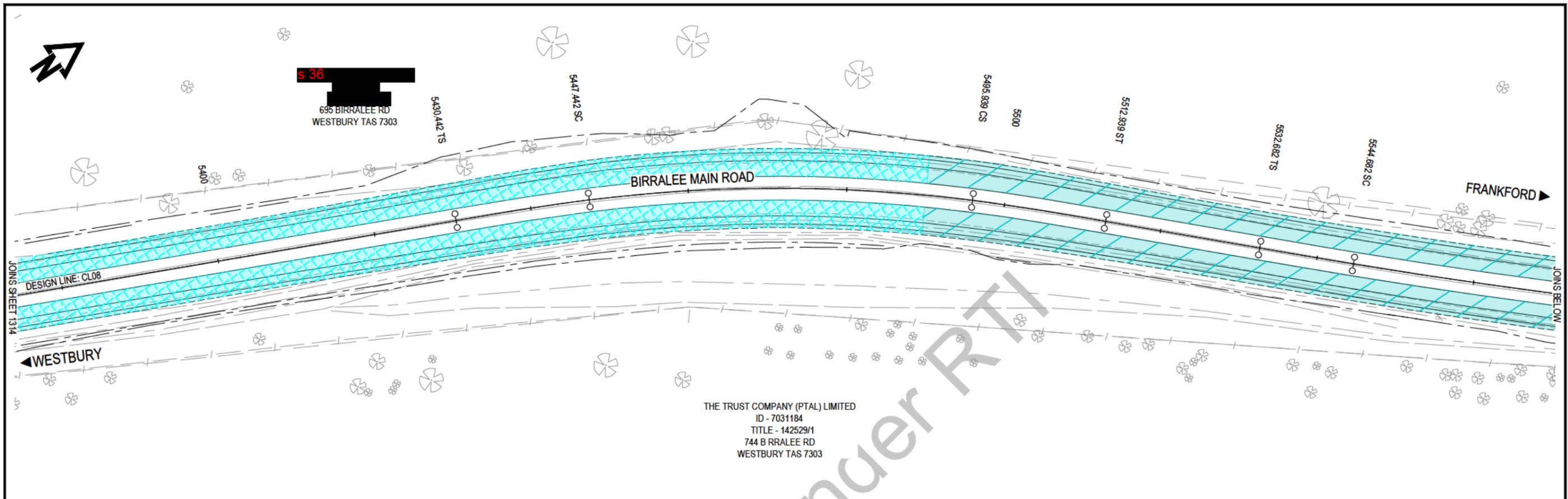
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CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
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REGISTRATION NUMBER			REVISION A

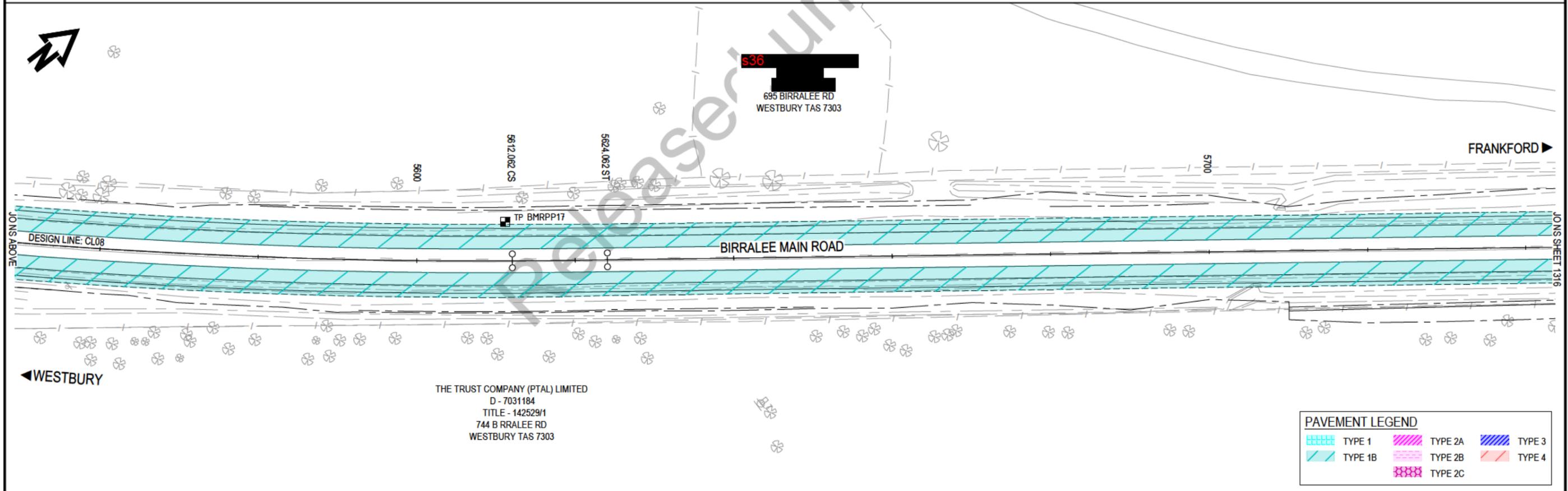


PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 3		TYPE 2C
	TYPE 4		

		<p>Department of State Growth</p> <p>BIRRALEE MAIN ROAD (A1701)</p> <p>NORTHERN ROADS PACKAGE</p> <p>SHOULDER WIDENING</p> <p>PAVEMENT AND SURFACING PLAN - DRG 14</p>		<p>CONTRACT No.</p> <p>-</p>	<p>DRAW NG</p> <p>S-P.20.2000-00-CIV-DRG-1314</p>	<p>PRINTED DATE</p> <p>29-Mar-22, 10:36 AM</p>	<p>SHEET No.</p> <p>1314</p>
<p>REGISTRATION NUMBER</p>		<p>DESIGNED L.A.</p> <p>REVIEWED</p>		<p>REVISION A</p>		<p>REVISION A</p>	
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THE TRUST COMPANY (PTAL) LIMITED  
 ID - 7031184  
 TITLE - 142529/1  
 744 B RRALEE RD  
 WESTBURY TAS 7303



THE TRUST COMPANY (PTAL) LIMITED  
 D - 7031184  
 TITLE - 142529/1  
 744 B RRALEE RD  
 WESTBURY TAS 7303

PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
	TYPE 4		TYPE 5

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22

SCALES  
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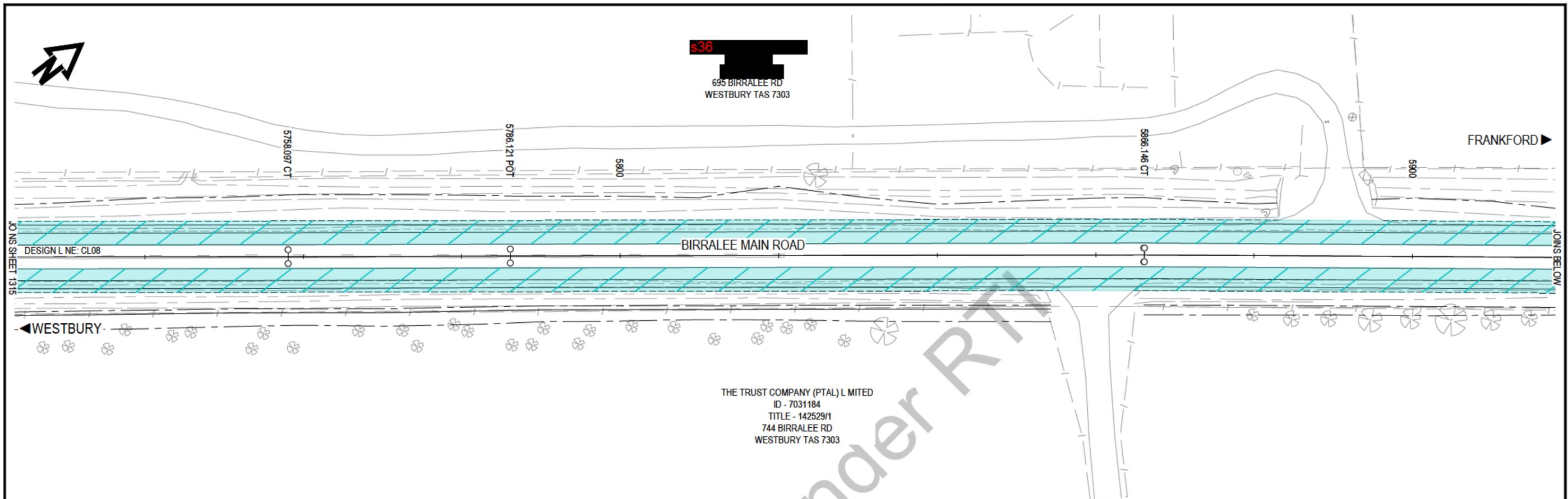
**ptt&sherry**  
  
 DESIGNED L.A.  
 REVIEWED

Department of State Growth  
 BIRRALEE MAIN ROAD (A1701)  
 NORTHERN ROADS PACKAGE  
 SHOULDER WIDENING  
 PAVEMENT AND SURFACING PLAN - DRG 15

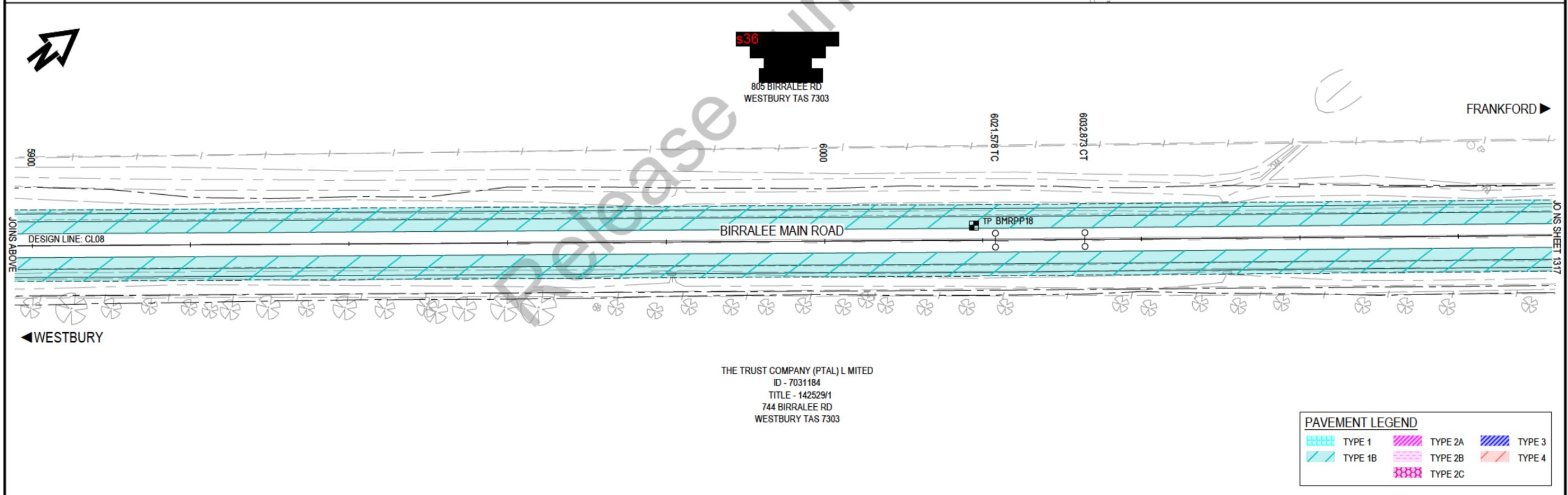
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REGISTRATION NUMBER			REVISION A

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THE TRUST COMPANY (PTAL) LIMITED  
 ID - 7031184  
 TITLE - 142529/1  
 744 BIRRALEE RD  
 WESTBURY TAS 7303

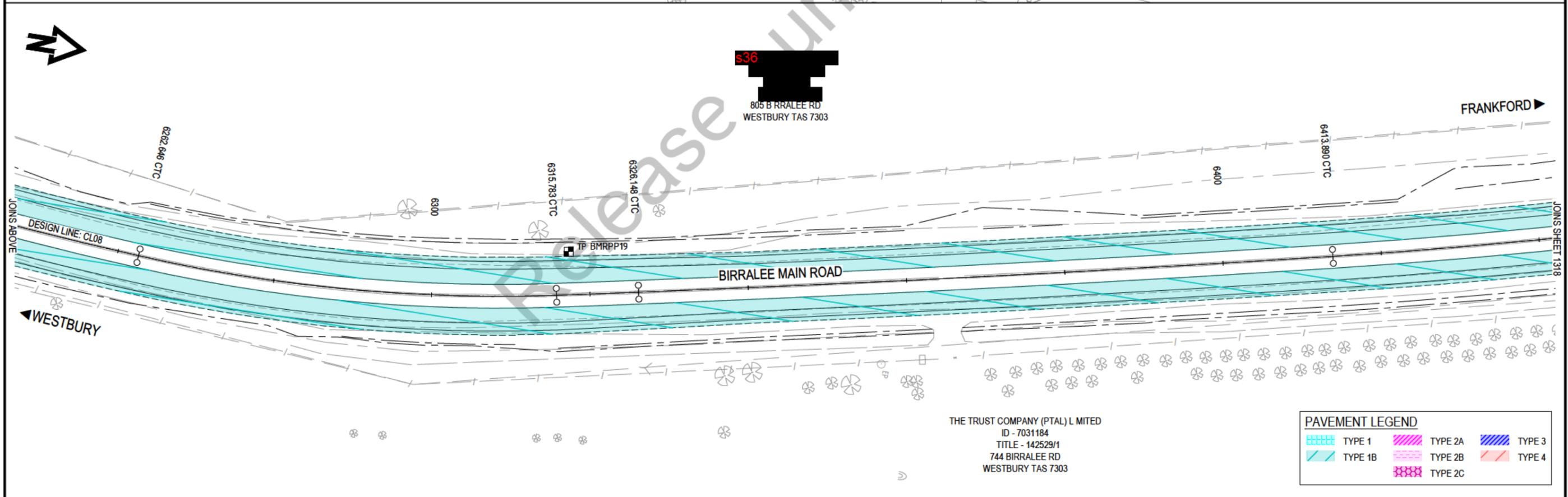
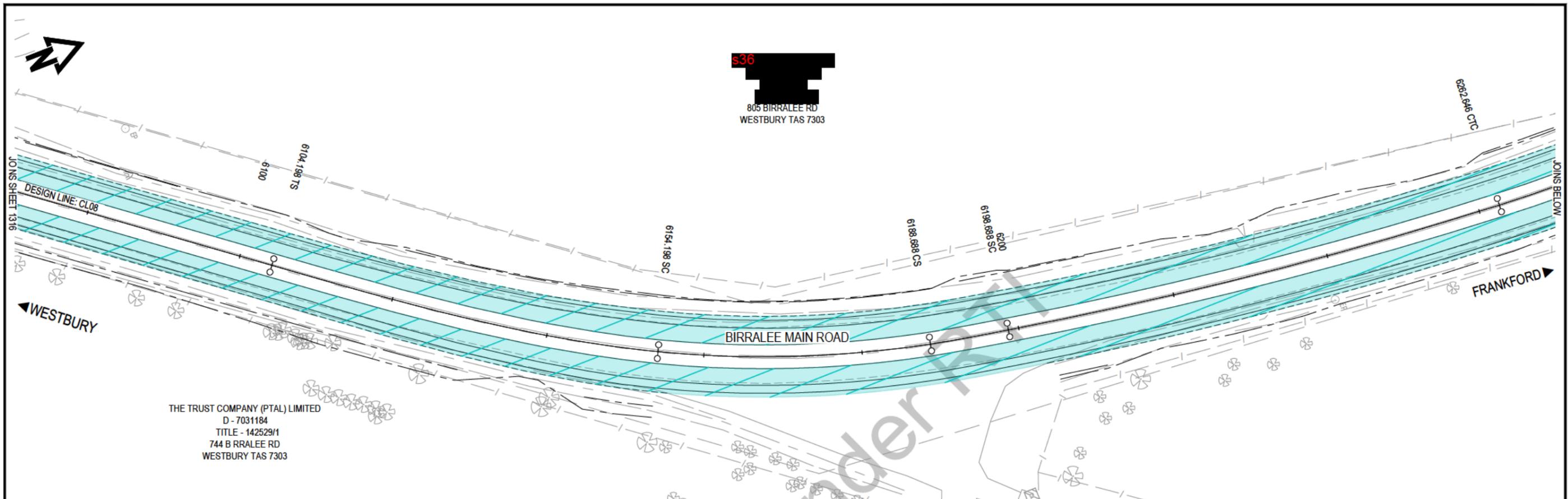


THE TRUST COMPANY (PTAL) LIMITED  
 ID - 7031184  
 TITLE - 142529/1  
 744 BIRRALEE RD  
 WESTBURY TAS 7303

PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
	TYPE 4		TYPE 4

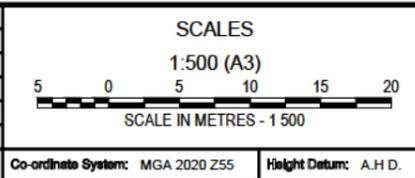
<p>Department of State Growth</p> <p>BIRRALEE MAIN ROAD (A1701)</p> <p>NORTHERN ROADS PACKAGE</p> <p>SHOULDER WIDENING</p> <p>PAVEMENT AND SURFACING PLAN - DRG 16</p>		<p>CONTRACT No.</p> <p>-</p>	<p>DRAW NG</p> <p>S-P.20.2000-00-CIV-DRG-1316</p>	<p>PRINTED DATE</p> <p>29-Mar-22, 10:36 AM</p>	<p>SHEET No.</p> <p>1316</p>
<p>SCALE IN METRES - 1:500</p> <p>5 0 5 10 15 20</p>		<p>REGISTRATION NUMBER</p>		<p>REVISION A</p>	

<p>DESIGNED L.A.</p> <p>REVIEWED</p>	<p>Co-ordinate System: MGA 2020 Z55</p> <p>Height Datum: A.H.D.</p>	<p>A3 original</p> <p>This sheet may be prepared using colour and may be incomplete if copied</p>
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PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
	TYPE 4		TYPE 4

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22



**pitt&sherry**

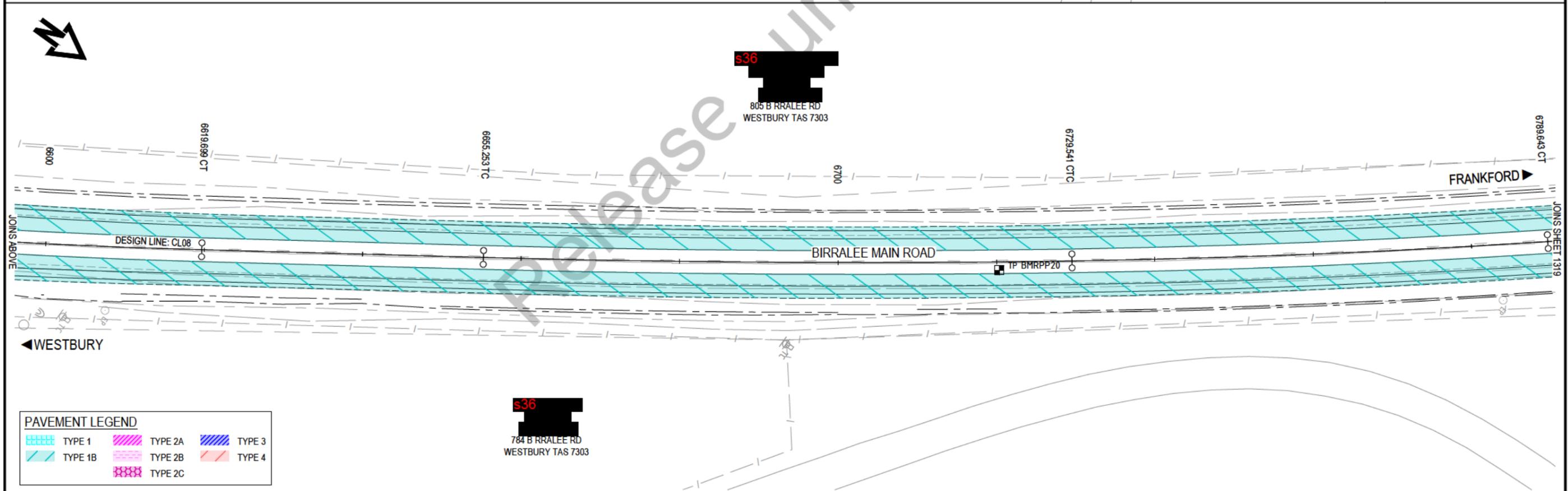
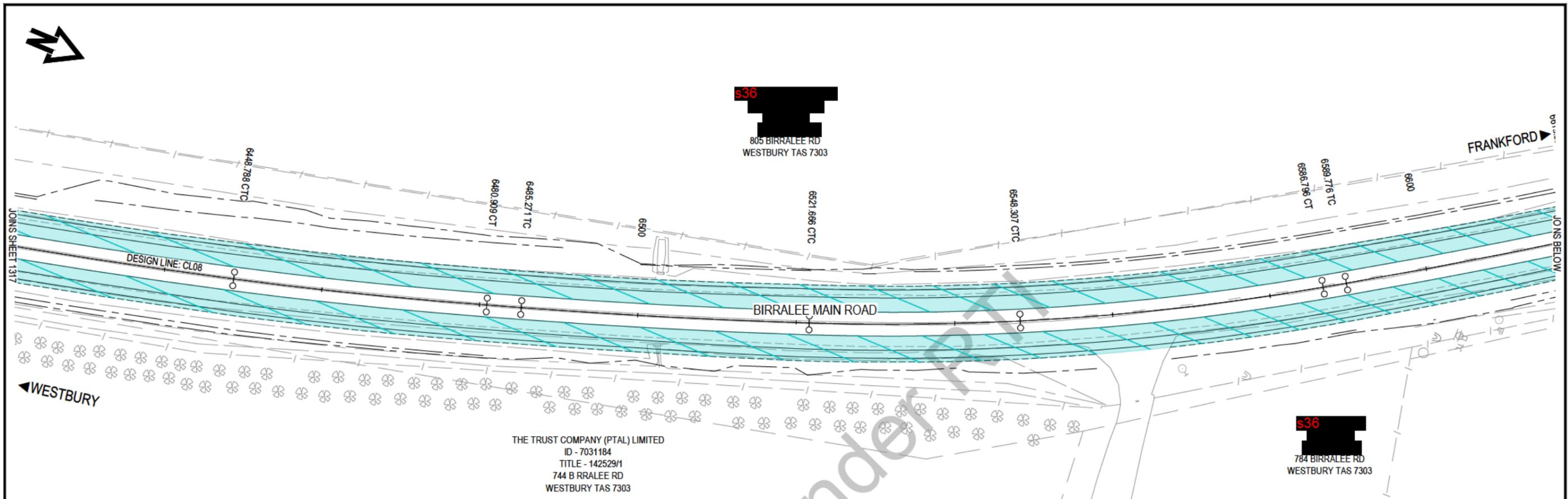
DESIGNED: L.A.  
REVIEWED:

Department of State Growth  
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING  
PAVEMENT AND SURFACING PLAN - DRG 17

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1317	29-Mar-22, 10:37 AM	1317
REGISTRATION NUMBER			REVISION A

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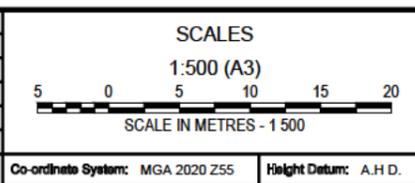
Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.



PAVEMENT LEGEND		
	TYPE 1	
	TYPE 1B	
	TYPE 2C	
	TYPE 4	

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	LB	29/03/22

A3 original This sheet may be prepared using colour and may be incomplete if copied



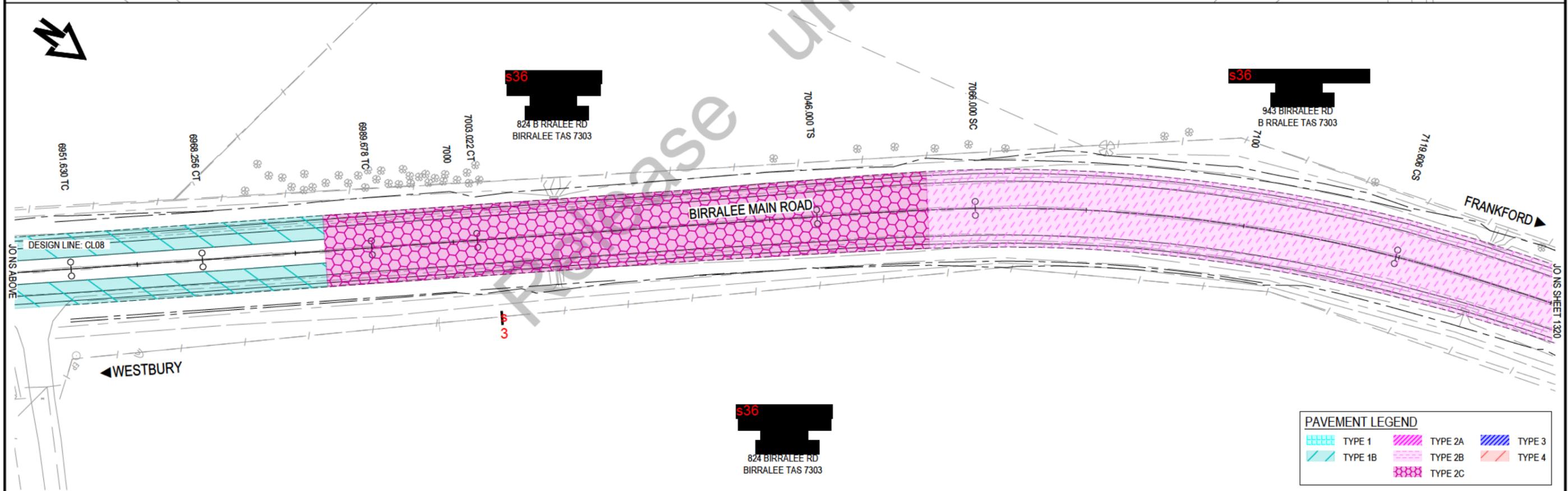
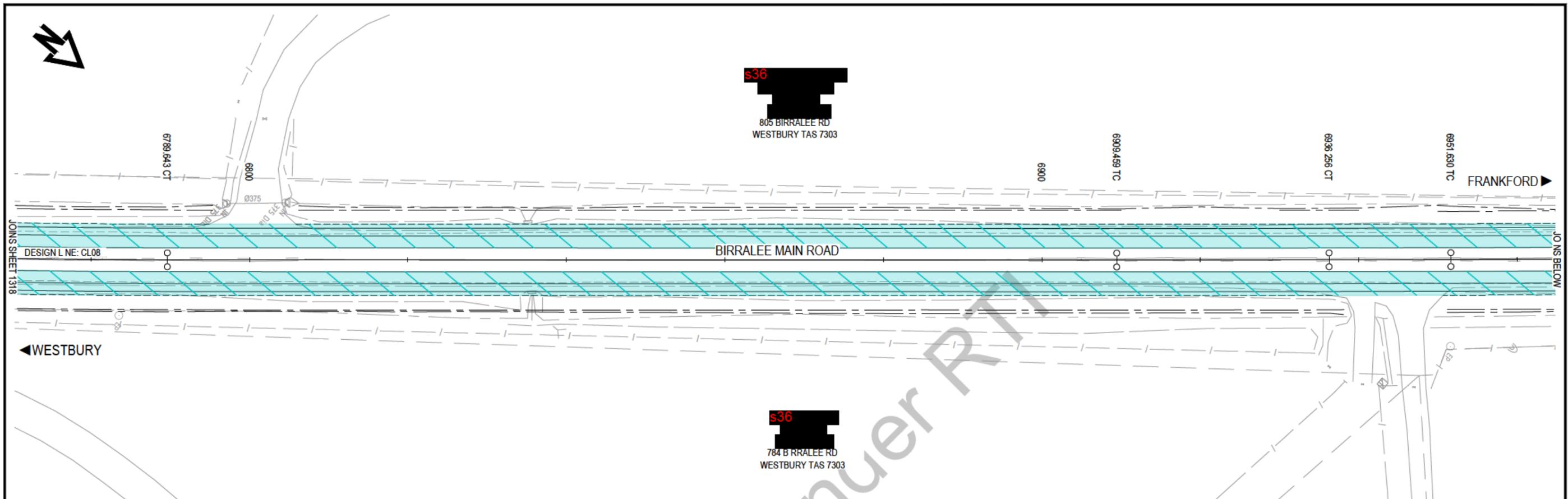
**ptt&sherry**

DESIGNED L.A.  
REVIEWED

Department of State Growth  
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

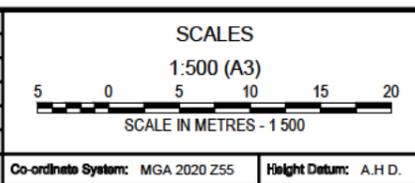
PAVEMENT AND SURFACING PLAN - DRG 18

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1318	29-Mar-22, 10:37 AM	1318
REGISTRATION NUMBER			REVISION A



PAVEMENT LEGEND					
	TYPE 1		TYPE 2A		TYPE 3
	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

No.	Amendment Description	Initials	Date
A	PRELIMINARY DESIGN REVIEW	LB	29/03/22



**pitt&sherry**

DESIGNED: L.A.  
REVIEWED:

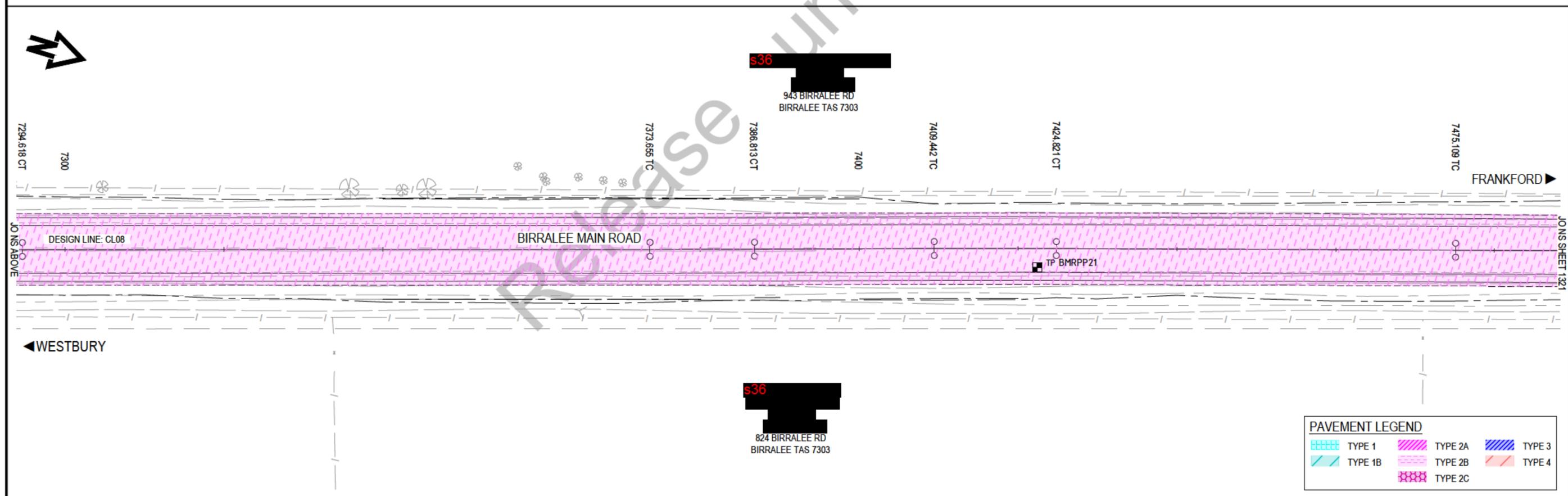
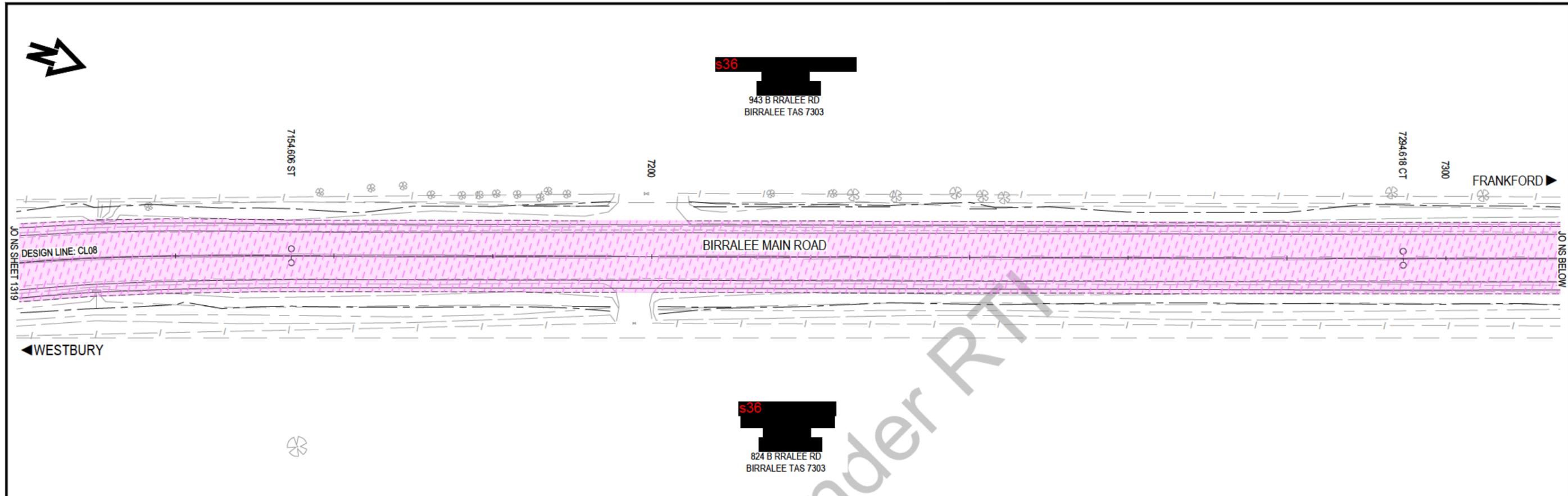
Department of State Growth  
BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

PAVEMENT AND SURFACING PLAN - DRG 19

CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1319	29-Mar-22, 10:37 AM	1319
REGISTRATION NUMBER			REVISION A

A3 original This sheet may be prepared using colour and may be incomplete if copied

Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.



PAVEMENT LEGEND					
	TYPE 1		TYPE 2A		TYPE 3
	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

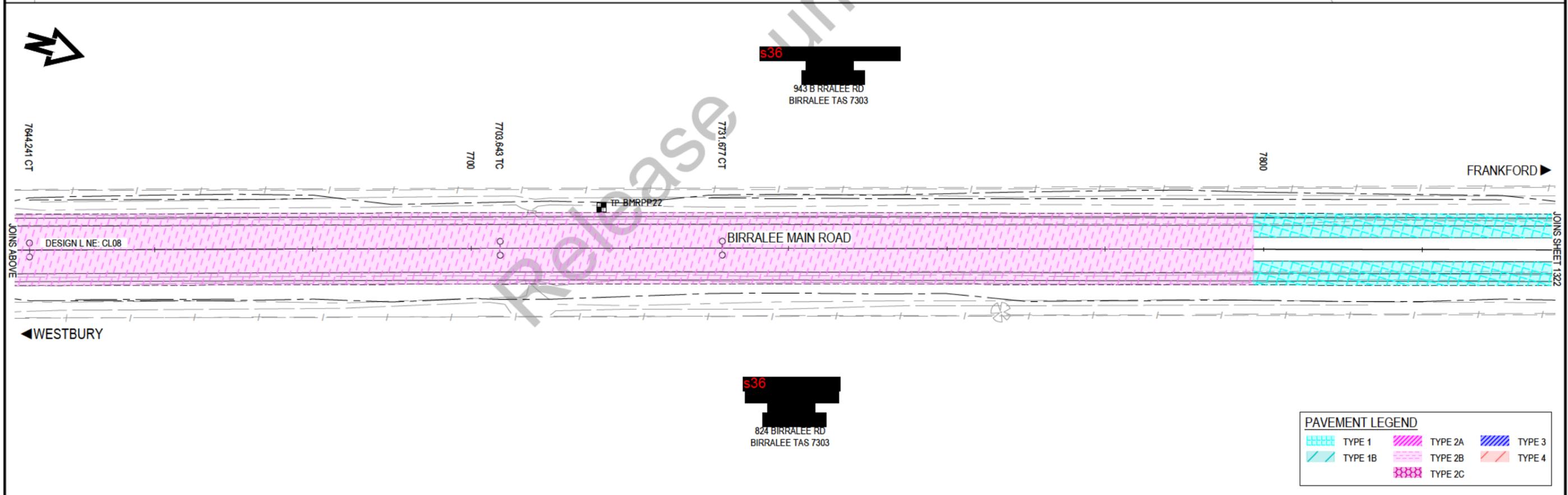
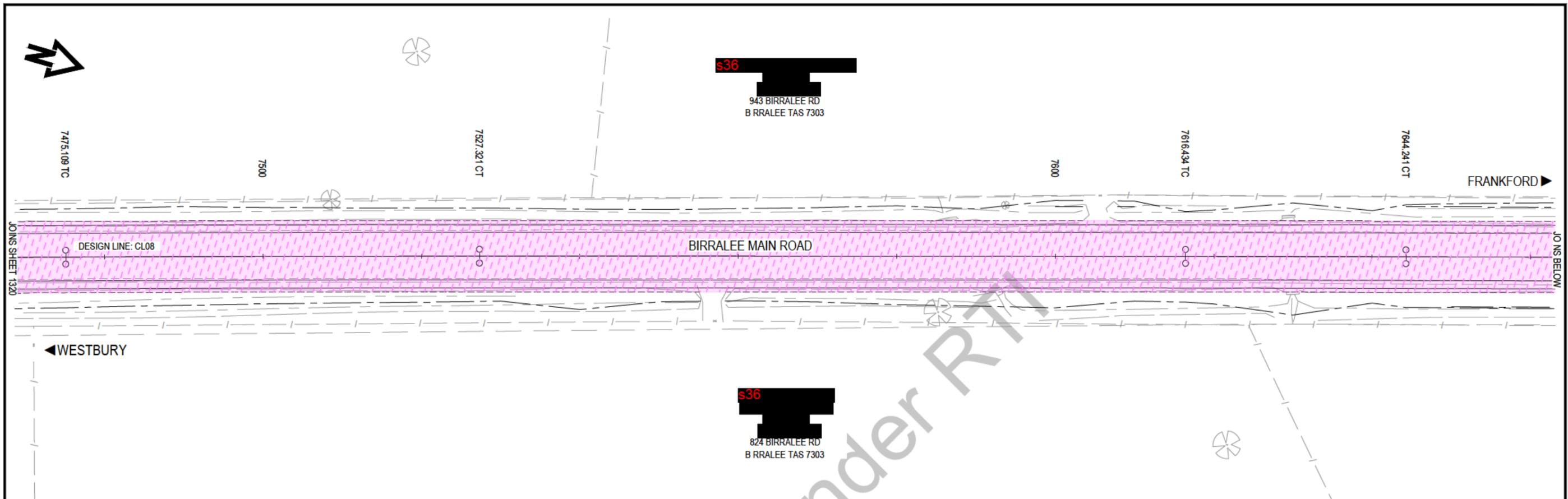
No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	L.B	29/03/22

SCALES  
 1:500 (A3)  
  
 SCALE IN METRES - 1:500  
 Co-ordinate System: MGA 2020 Z55    Height Datum: A.H.D.

DESIGNED L.A.  
 REVIEWED

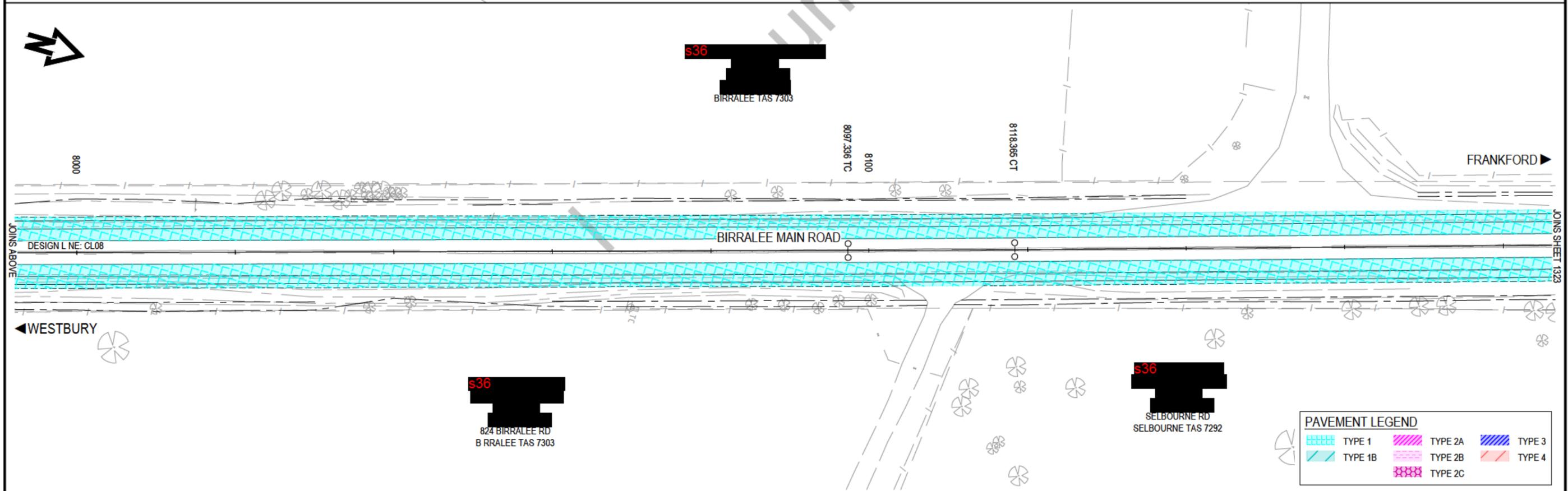
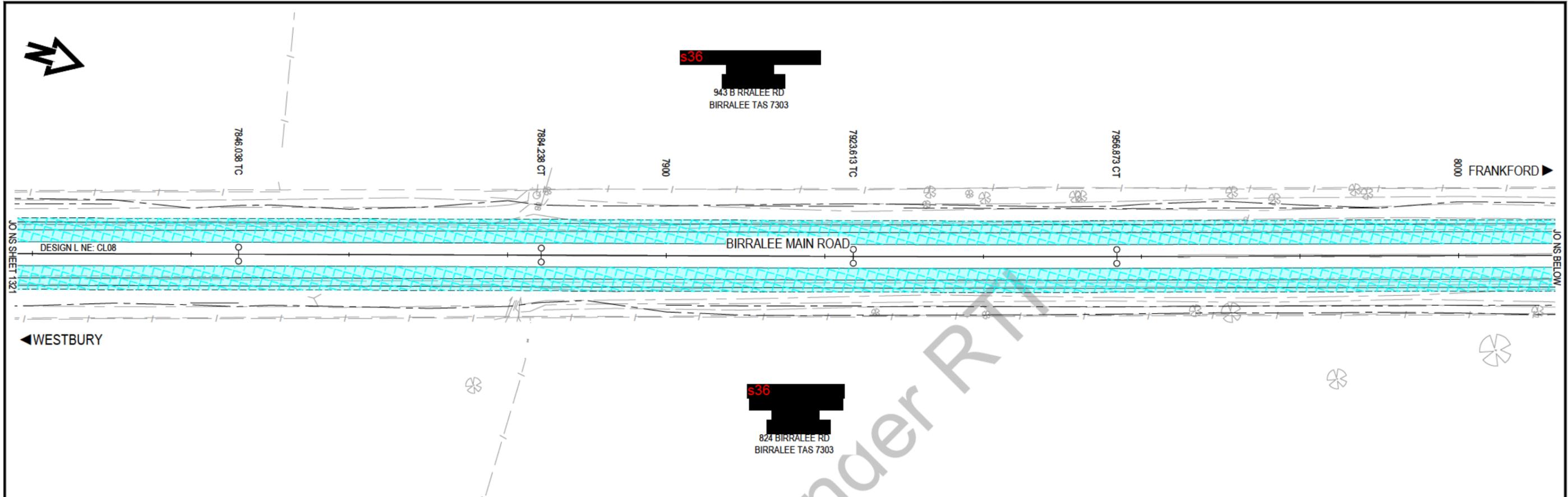
Department of State Growth  
 BIRRALEE MAIN ROAD (A1701)  
 NORTHERN ROADS PACKAGE  
 SHOULDER WIDENING  
 PAVEMENT AND SURFACING PLAN - DRG 20

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1320	29-Mar-22, 10:37 AM	1320
REGISTRATION NUMBER			REVISION A



PAVEMENT LEGEND					
	TYPE 1		TYPE 2A		TYPE 3
	TYPE 1B		TYPE 2B		TYPE 4
			TYPE 2C		

		SCALES 1:500 (A3)  SCALE IN METRES - 1:500				Department of State Growth BIRRALEE MAIN ROAD (A1701) NORTHERN ROADS PACKAGE SHOULDER WIDENING		CONTRACT No. -	DRAW NG S-P.20.2000-00-CIV-DRG-1321	PRINTED DATE 29-Mar-22, 10:37 AM	SHEET No. <b>1321</b>
A PREL MINARY DESIGN REV EW No. Amendment Description Initials Date		L.B 29/03/22		DESIGNED L.A REVIEWED		PAVEMENT AND SURFACING PLAN - DRG 21		REGISTRATION NUMBER		REVISION A	
A3 original This sheet may be prepared using colour and may be incomplete if copied		Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.									



		SCALES 1:500 (A3)  SCALE IN METRES - 1 500				Department of State Growth BIRRALEE MAIN ROAD (A1701) NORTHERN ROADS PACKAGE SHOULDER WIDENING		CONTRACT No. -	DRAW NG S-P.20.2000-00-CIV-DRG-1322	PRINTED DATE 29-Mar-22, 10:37 AM	SHEET No. <b>1322</b>
A PREL MINARY DESIGN REV EW No. Amendment Description Initials Date		L.B 29/03/22		DESIGNED L.A REVIEWED		PAVEMENT AND SURFACING PLAN - DRG 22		REGISTRATION NUMBER		REVISION A	
A3 original This sheet may be prepared using colour and may be incomplete if copied		Co-ordinate System: MGA 2020 Z55		Height Datum: A.H.D.							



PAVEMENT LEGEND			
	TYPE 1		TYPE 2A
	TYPE 1B		TYPE 2B
	TYPE 2C		TYPE 3
			TYPE 4

No.	Amendment Description	Initials	Date
A	PREL MINARY DESIGN REV EW	L.B	29/03/22

A3 original This sheet may be prepared using colour and may be incomplete if copied

SCALES  
1:500 (A3)

SCALE IN METRES - 1 500

Co-ordinate System: MGA 2020 Z55 Height Datum: A.H.D.

**pitt&sherry**

DESIGNED L.A

REVIEWED

Department of State Growth

BIRRALEE MAIN ROAD (A1701)  
NORTHERN ROADS PACKAGE  
SHOULDER WIDENING

PAVEMENT AND SURFACING PLAN - DRG 23

CONTRACT No.	DRAW NG	PRINTED DATE	SHEET No.
-	S-P.20.2000-00-CIV-DRG-1323	29-Mar-22, 10:38 AM	1323
REGISTRATION NUMBER			REVISION A

**From:** s36  
**To:** s36  
**Cc:** s36  
**Subject:** RE: Northern Roads - Birralelee Road Package 1  
**Date:** Thursday, 21 April 2022 2:54:42 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[Some State Roads.xlsx](#)

Hi s36,

Thanks for the heads up.

I am certainly available tomorrow if useful to provide the perspective approving heavy vehicle access and the recommended guidelines around that.

Regardless, perhaps the below info (& attachment) would be useful inputs into the project....

As per our discussions on Sheffield, and given the high volumes of HV's from our traffic counts (along with potential with road improvements for this to increase further), it would be ideal from a HV access point of view for the sealed cross section to be provided at 2 x 3.5m sealed lanes with 1.0m sealed shoulders with additional 1.0m unsealed shoulder (ie 11.0m total carriageway). This, and copied below, is from Austroads Road design guidance. It could be argued that Birralelee fits in the 500-1000 AADT category, so a lesser sealed lane/shoulder. I would counter that with % HV at close to 30% a very good reason not to reduce lane widths.

**Table 4.5: Single carriageway rural road widths (m)**

Element	Design AADT				
	1-150	150-500	500-1000	1000-3000	> 3000
Traffic lanes <sup>(1)</sup>	3.7 (1 x 3.7)	6.2 (2 x 3.1)	6.2-7.0 (2 x 3.1/3.5)	7.0 (2 x 3.5)	7.0 (2 x 3.5)
Total shoulder	2.5	1.5	1.5	2.0	2.5
Minimum shoulder seal <small>(2),(3),(4),(5),(6)</small>	0	0.5	0.5	1.0	1.5
Total carriageway	8.7	9.2	9.2-10.0	11.0	12.0

- 1 Traffic lane widths include centrelines but are exclusive of edge-lines.
- 2 Where significant numbers of cyclists use the roadway, consideration should be given to fully sealing the shoulders. Suggest use of a maximum size 10 mm seal within a 20 km radius of towns.
- 3 Wider shoulder seals may be appropriate depending on requirements for maintenance costs, soil and climatic conditions or to accommodate the tracked width requirements for Large Combination Vehicles.
- 4 Short lengths of wider shoulder seal or lay-bys to be provided at suitable locations to provide for discretionary stops.
- 5 Full width shoulder seals may be appropriate adjacent to safety barriers and on the high side of superelevation.
- 6 A minimum 7.0 m seal should be provided on designated heavy vehicle routes (or where the AADT contains more than 15% heavy vehicles).

The background brief for the Birralelee / Frankford suggests budget will only accommodate traffic lanes of 3.0m (with curve widening when appropriate), sealed shoulder of 1.0m and unsealed 0.5m minimum, extending to 1.0m where necessary for road safety barriers. ie total seal of 8m, unseal of 1-2m, ie total carriageway of 9m-10m.

From a HV access perspective, if there is not opportunity to alter the overall seal then adjusting the lane widths to 3.2m and sealed shoulder to 0.8m would be beneficial (ie seal + unsealed shoulder = 1.3m to 1.8m) That way the guidelines for providing access for PBS level 2 vehicles could at least be met (table 3 from <https://www.nhvr.gov.au/files/0018-pbsnetwrkclassglines.pdf>, copied below).

Given a future change in rules around vehicle width from 2.50m to 2.55m or potentially 2.60m is in the offing, an adjustment to 3.3m lane and 0.7m sealed shoulder (ie seal + unsealed shoulder = 1.2m to 1.7m) maybe more future proof.

**Table 3. Minimum widths for sealed rural roads according to Annual Average Daily Traffic (AADT) data**

Road class	(AADT) (vehicles)	Minimum Width (m)	
		Lane <sup>1</sup>	Shoulder <sup>2</sup>
L2	< 150	3.4 m seal on 7.2 m formation	
	150 – 500	2.8	1.0
	500 – 1,500	3.1	1.2
	1,500 – 3,000	3.2	1.5
	> 3,000	3.5	1.5
L3	< 150	3.6 m seal on 7.6 m formation	
	150 – 500	2.9	1.2
	500 – 1,500	3.2	1.2
	1,500 – 3,000	3.3	1.5
	> 3,000	3.5	1.3
L4	< 150	4.0 m seal on 8.1 m formation	
	150 – 500	3.0	1.3
	500 – 1,500	3.3	1.5
	1,500 – 3,000	3.6 <sup>3</sup>	1.8
	> 3,000	3.9 <sup>4</sup>	1.8

**Notes:**

1. Lane width is the trafficable width divided by the number of lanes.
2. Shoulder width includes both sealed and unsealed portions of the shoulder.
3. For two-lane roads, minimum lane widths can be reduced to 3.5 m where shoulder seals of at least 0.5 m width are provided.
4. For two-lane roads, minimum lane widths can be reduced to 3.5 m where shoulder seals of at least 1.0 m width are provided.

Minimum seal width may be reduced where speeds are controlled to 60 or 70 km/h, for relatively short links, or where other users are familiar with the operation of multi combination vehicles, e.g. farm access roads.

I've re-attached the analysis of some of our northern roads (including Frankford / Birralee / Batman) in relation to larger heavy vehicles which I've highlighted in yellow on the various tabs. This highlights the relatively high volumes of these vehicles on this corridor.

Cheers,

s36  
 Network Access team | Infrastructure Tasmania Division | Department of State Growth  
 4 Salamanca Place, Hobart TAS 7000 | GPO Box 536, Hobart TAS 7001

s36  
[stategrowth.tas.gov.au](http://stategrowth.tas.gov.au) | W: [www.transport.tas.gov.au](http://www.transport.tas.gov.au)

**From:** s36 @stategrowth.tas.gov.au  
**Sent:** Thursday, 21 April 2022 12:12 PM  
**To:** s36  
**Subject:** RE: Northern Roads - Birralee Road Package 1

Hello all – I have been invited to attend a meeting tomorrow regarding the Birralee Road and Frankford Road (Category 2) upgrade project.

Taking into account the robust discussions relating to Sheffield Road and heavy vehicle access needs the other day, I am wondering if your respective areas have been made aware of the proposed cross section for this route of 3 m lanes and 1 m shoulders. See attached where I highlighted key commentary.

I would be interested in your views.

s36 – if you're available tomorrow at 1 pm I am happy to ask Robyn Hawkins if you should also attend given the primary function of this route.

Happy to discuss.

Thanks, s36

---

**From:** s36 >  
**Sent:** Thursday, 21 April 2022 9:34 AM  
**To:** Hills, Garry s36  
**Cc:** s36 s36  
**Subject:** Northern Roads - Birralee Road Package 1

Morning gentlemen,

s36 has asked me to send you a summary for our discussion tomorrow. Not sure how much you know about this project so attached is overall project blurb. Other documents you may want to look at is the options report, draft enviro report, pavement report and the PPR.

The purpose of this meeting tomorrow is twofold. Firstly, to discuss how/where/when we are going to break up the widening for both roads into packages. We have gone with Birralee Link 08 as it seemed to have the least number of issues – services, acquisition, troublesome stakeholders – to allow tender in June. For the remaining packages we are currently providing drawings only (no spec) as we aren't sure what budget will be remaining or timing on construction.

We need to confirm at our meeting:

1. How the remaining sections of road are to be broken into packages. I'd suggest by change in link as it gives clear demarcation but this depends on market appetite, total length, complexity in design etc.
2. The sequence of packages for construction – do we do all work on one road and then the next? Run concurrently on the same road? Upgrade one section on one road and then a section on the other? Run a section concurrently on each road? etc.

Secondly, we will run through the preliminary design for Birralee Package 1 for acceptance so we can progress to tender documentation.

Any queries, let me know.

Regards,

s36



s36

s36

[Connect on LinkedIn](#)

**Hobart Office** — Level 1, Surrey House, 199 Macquarie Street  
PO Box 94 Hobart Tasmania 7001 | s36  
[pittsh.com.au](http://pittsh.com.au)

[COVID-19 guidance for our clients, guests, suppliers and contractors](#)

My current work pattern is as follows

Mon	Tues	Wed	Thur	Fri
Office	WFH	By Appointment Only	Office	WFH

Site Name A1251180 Site ID 0000A1251180 Description Railton Main Road 660m South Of Mersey MR [UTS L94/12.13 - 12.87]

2017 2017-05-29 to 2017-06-05

average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
2615	2183	62	229	32	32	9	5	6	1	15	1	0	0	1.1

2021 2021-05-04 to 2021-05-11

average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1897	1680	57	93	25		2	3	3	26	6	0	0	0	8.5

**Peak HV traffic - estimate (based on Mersey MR 1536142 increase applied to 2021 May average) example During a major shipment of product for Railton**

2021 19/11/2021

Increase applied from Mersey MR

average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV	HV#
469								35	220	214					
2366	1680	57	93	25	4	2	3	38	246	220	0	0	0	27%	631



Site Name: A1251161 Site ID: 0000A1251161 Description: Railton Main Road 150m N of Railton Station Rd [UTS L9 / 0.00 - 12.13]

2017 2017-02-01 to 2017-02-28														
verape Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
2026	1818	58	99	11	4	2	3	2	18	11	0	0	0	7.4

2017 2017-05-01 to 2017-06-30														
verape Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1809	1616	46	93	14	4	2	3	1	19	3	0	0	0	8.2

2021 2021-02-01 to 2021-02-28														
verape Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
2035	1797	61	111	18	3	3	3	3	29	2	0	0	0	8.7

2021 2021-05-01 to 2021-06-30														
verape Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1971	1743	46	103	37	3	3	3	3	26	5	0	0	0	9.2

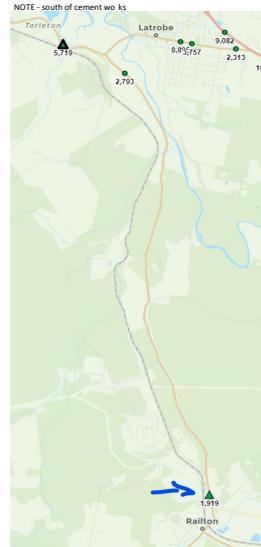
  

2022 2022-02-01 to 2022-02-28														
verape Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
2027	1680	54	123	17	5	3	4	3	25	3	0	0	0	10

**AADT by Year**

Year	All Vehicles
2012	1870
2013	1868
2014	1910
2015	1847
2016	1898
2017	1934
2018	1959
2019	2019
2020	1919

Year	MADT by Year											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2016	1962	2055	1988	1883	1796	1591	1895	1777	1811	1765	1958	2045
2017	1976	2026	2074	1914	1837	1801	1787	1860	1890	1979	2038	2028
2018	1990	2058	2109	2016	1990	1901	1806	1860	1916	1967	1942	1989
2019	2065	2065	2110	1981	1937	1918	1904	1966	1968	2069	2091	2112
2020	2164	2168	1993	1230	1675	1871	1960	1990	1991	1986	1987	1986
2021	1890	2035	2117	1989	1982	1963	1960	1990	2021	1864	1673	1669
2022	1733	1927										



Site Name: A15361 2 Site ID: 0000A15361 2 Description: Mersey Main Road 620m E of Tarlton St

2017 2017-02-01 to 2017-02-28														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
5559	4838	173	330	67	35	9	10	16	65	17	0	0	0	9.9

2017 2017-06-01 to 2017-06-30														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
5204	4554	150	271	62	35	6	6	7	67	46	0	0	0	9.6

2021 2021-02-01 to 2021-02-28														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
6402	5509	191	460	53	39	10	16	15	97	21	0	0	0	11

2021 2021-06-01 to 2021-06-30														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
5858	5093	155	382	80	37	11	12	9	67	12	0	0	0	10.4

2022 2022-02-01 to 2022-02-28														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
6372	5428	204	483	54	54	13	20	14	74	28	0	0	0	11.6

Peak HV traffic - example During a major shipment of product for Railton  
2021 19/11/2021

average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
7676	6120	255	572	53	58	11	22	49	254	242	0	0	0	16.9

note: these Feb '22 counts

469								35	220	214				
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AADT by Year

Year	All Vehicles
2016	4988
2017	5408
2018	5602
2019	5689
2020	5719

MADT by Year

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2016	-	-	-	5157	5119	4878	-	-	-	5159	5288	5610
2017	5515	5559	5606	5186	5190	5183	4966	5230	5268	5611	5772	5815
2018	5667	5860	5925	5555	5433	5283	5154	5323	5542	5665	5798	5914
2019	5822	5881	5914	5577	5618	5369	5423	5595	5645	5660	5607	6032
2020	5911	6219	5797	3632	5015	5444	5705	5886	6026	6108	6390	6408
2021	6090	6402	6332	6175	6092	5831	5705	5860	6126	6187	6358	6441
2022	5975	6372	-	-	-	-	-	-	-	-	-	-

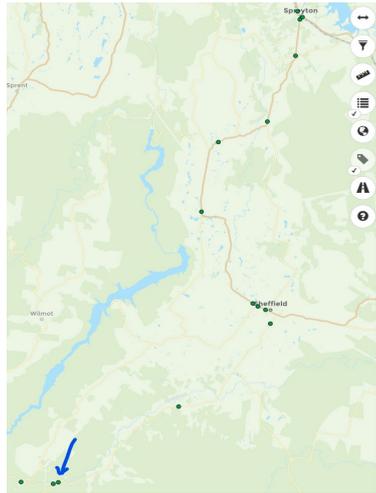


Site Name: A1031200 Site ID: 0000A1031200 Description: Sheffeld Man Road 228m E Of Ve s TR [ [UTS L7(0.00 - 3.50)]

AADT by Year  
 All  
 Year Vehicles  
 2018 564

Year	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV	
2018	588	506	18	27	17	1	3	0	1	15	1	0	0	0	10.9

Year	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV	
2021	749	635	16	47	13	1	1	2	4	27	3	0	0	0	13.1



Year	MADT by Year												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
2018	-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	778	-	-	-	-	590	-	-	-

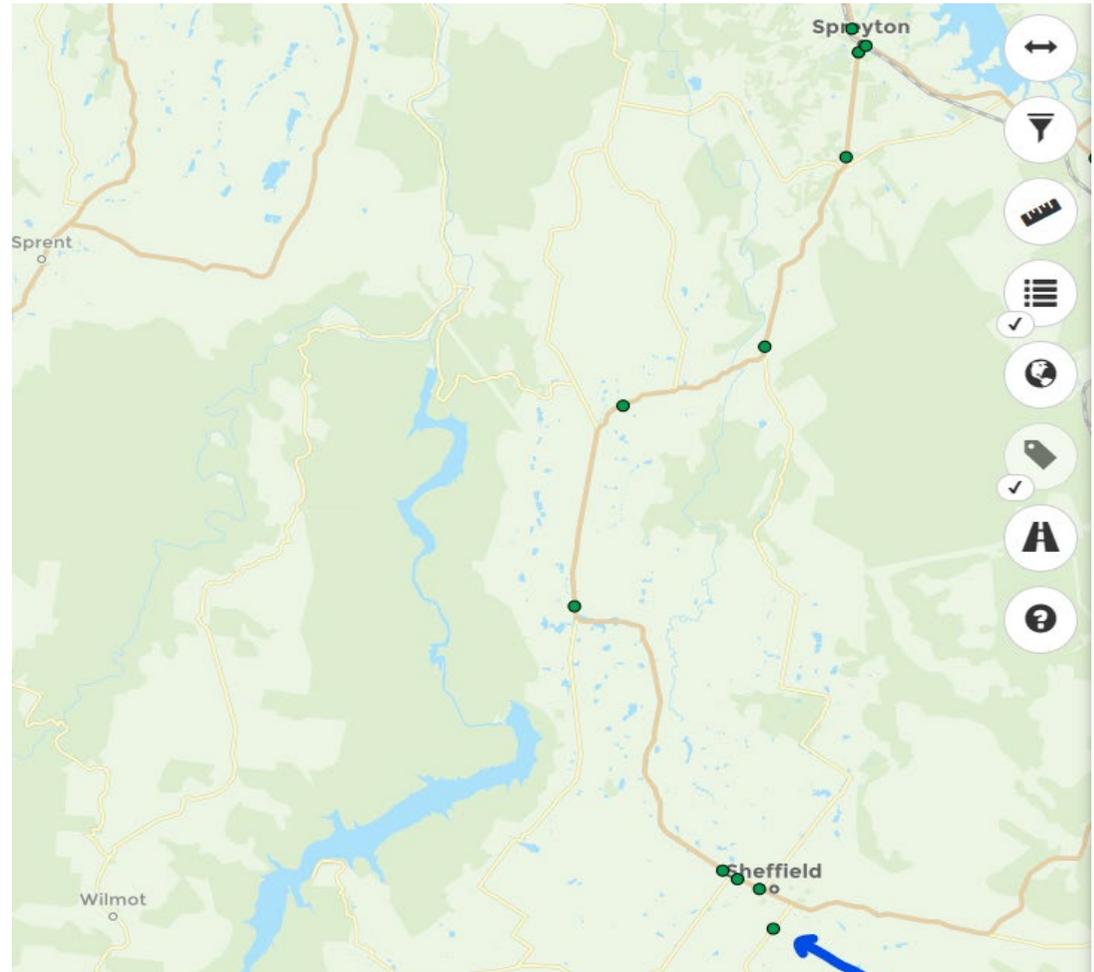
Site Name: A1031190 Site ID: 0000A1031190 Description: Sheffield Main Road 618m S of Sheffield Rd [UTS L18/2.14 - 30/ 4.26]

**2018** 2018-10-15 to 2018-10-22

Average Flow	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1152	985	30	83	22	1	5	2	2	19	2	0	0	0	11.8

**2021** 2021-05-01 to 2021-05-08

Average Flow	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1291	1075	34	124	17	1	4	4	3	23	4	0	0	0	14.1





Site Name: A1031170 Site ID: 0000A1031170 Description: Sheffield Main Road 185m W Of West Kentish Rd

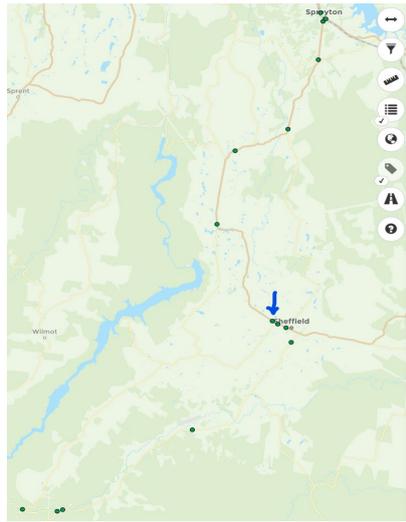
2018	2018-10-22 to 2018-11-02													
Average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1537	1335	46	110	19	3	4	4	4	10	3	0	0	0	10.2

2021	2021-05-01 to 2021-05-08													
Average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1621	1359	42	167	20	2	3	6	5	11	4	0	0	0	13.5

**AAADT by Year**

Year	All Vehicles
2018	1527



**MADT by Year**

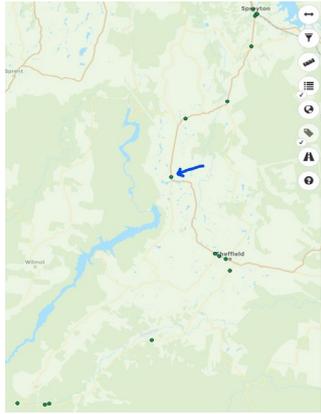
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	-	-	-	-	-	-	-	-	-	1512	-	-
2021	-	-	-	-	1640	-	-	-	-	-	-	-

Site Name: A1031150 Site ID: 0000A1031150 Description: Sheffield Main Road 288m N Of Barrington Rd (Nth Junc) (UTS L 59 .15 - 8.19)

2018 2018-10-15 to 2018-10-22														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1690	1449	46	139	22	3	5	6	4	12	2	0	0	0	11.5

2021 2021-05-04 to 2021-05-11														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1857	1539	49	207	22	2	5	6	6	13	5	0	0	0	14.5



AAADT by Year  
All  
Year Vehicles  
2018 1666

Year	MADT by Year											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	-	-	-	-	-	-	-	-	-	1691	-	-
2021	-	-	-	-	1835	-	-	-	-	-	-	-

Site Name: A1031135 Site ID: 0000A1031135 Description: Sheffield Main Road 70m E of Reeves Rd [UTS L 59 8.19 - 2 03]

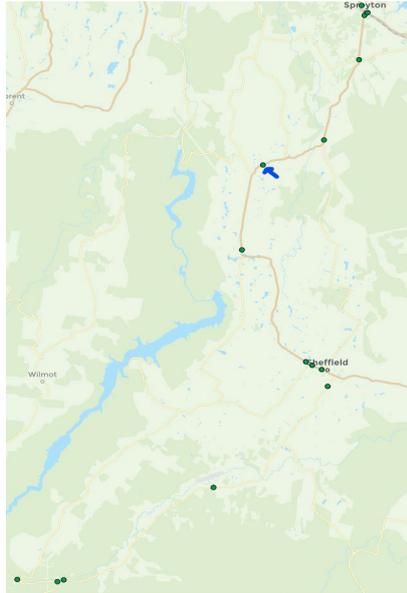
2018 2018-10-15 to 2018-10-22														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1487	1291	38	117	17	3	3	5	3	8	2	0	0	0	10.6

2021 2021-05-04 to 2021-05-11														
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	TRT	UCV	%HV
1579	1403	46	95	16	2	2	3	3	6	3	0	0	0	8.3

**AADT by Year**

Year	All Vehicles
2018	1467



**MADT by Year**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	-	-	-	-	-	-	-	-	-	1492	-	-
2021	-	-	-	-	1570	-	-	-	-	-	-	-

Site Name: A1031120 Site ID: 0000A1031120 Description: Sheffield Main Road 221m N Of Nook Rd [UTS L9 2.03 - 6.51]

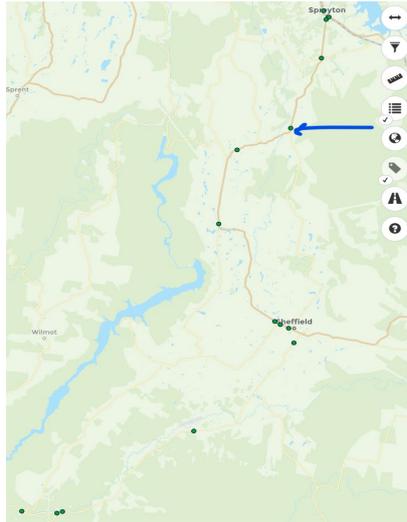
2018 2018-10-15 to 2018-10-22												
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	%HV
2723	2386	61	188	43	4	6	6	4	19	6	0	10.2

2021 2021-05-04 to 2021-05-11												
average Flo	SV	SVT	TB2	TB3	T4	ART3	ART4	ART5	ART6	BD	DRT	%HV
2976	2621	72	186	37	3	5	7	5	55	13	0	9.5

**AAAT by Year**

Year	All Vehicles
2018	2687



**MADT by Year**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	-	-	-	-	-	-	-	-	-	2731	-	-
2021	-	-	-	-	2851	-	-	-	-	-	-	-