

L = LENGTH OF CONCRETE SLAB

t = DESIGN THICKNESS OF CONCRETE PAVEMENT

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

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M. ALAUDDIN AHAMMED, P.Eng.

August 6, 2025

APPROVALS

ORIGINAL SIGNED BY:

DUSTIN BOOY

EXECUTIVE DIRECTOR OF
HIGHWAY ENGINEERING SERVICES

ORIGINAL SIGNED BY:

TARA LISKE

EXECUTIVE DIRECTOR OF
REGIONAL OPERATIONS

REVISIONS

No.	DESCRIPTION	BY	DATE
1			
2			
3			
4			
5			

MANITOBA STANDARD DRAWING

DATE

AUGUST 2025

SCALE

N.T.S.

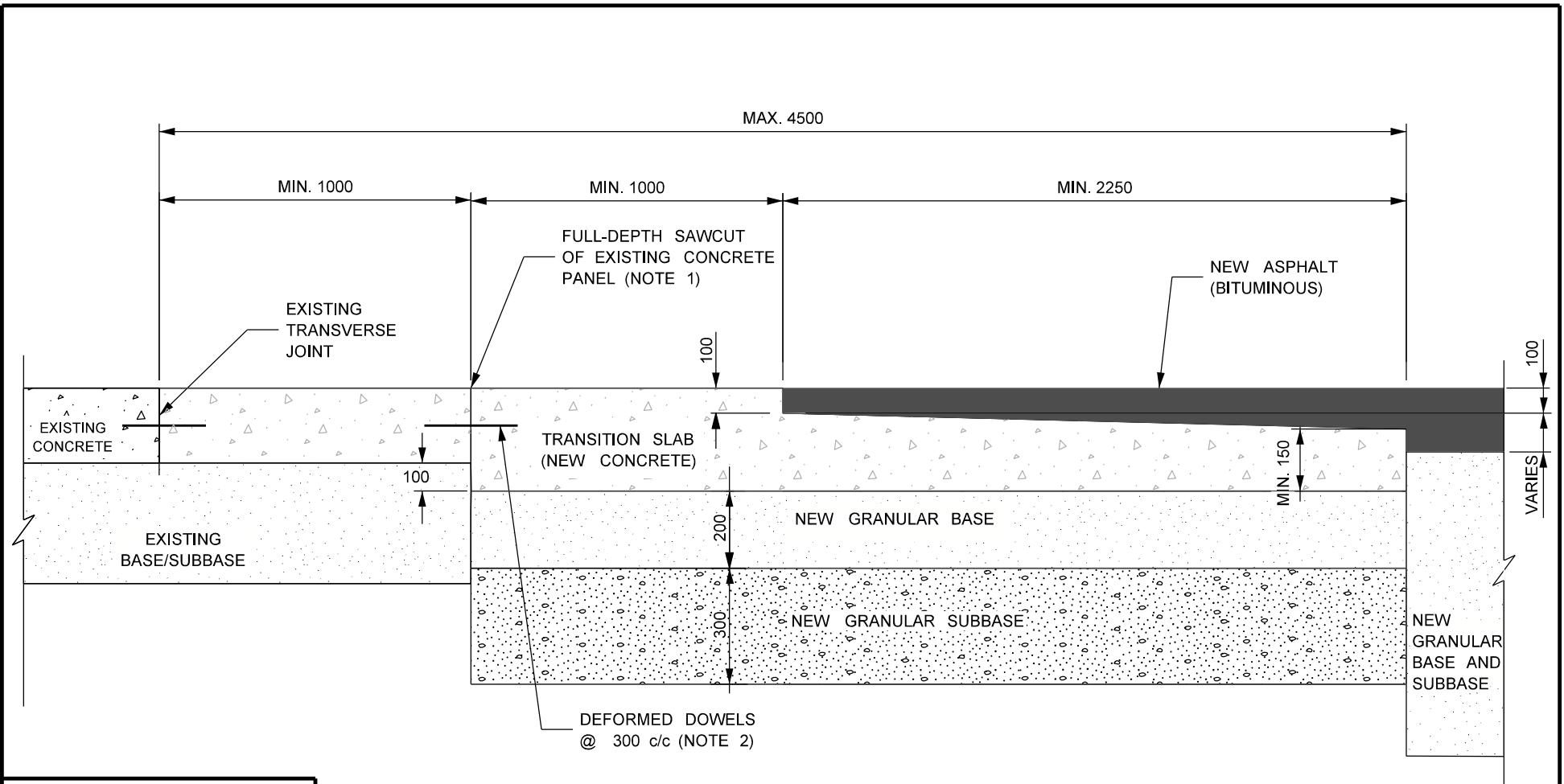
SHEET

1 OF 1

MSD - 003.1

TRANSITION DETAILS: NEW CONCRETE
TO NEW ASPHALT
(BITUMINOUS) PAVEMENT

Manitoba 
Transportation and Infrastructure




NOTE 1: EXISTING PAVEMENT TO BE REMOVED FOR TIE-IN AT MIN. 1000 FROM AN EXISTING TRANSVERSE JOINT

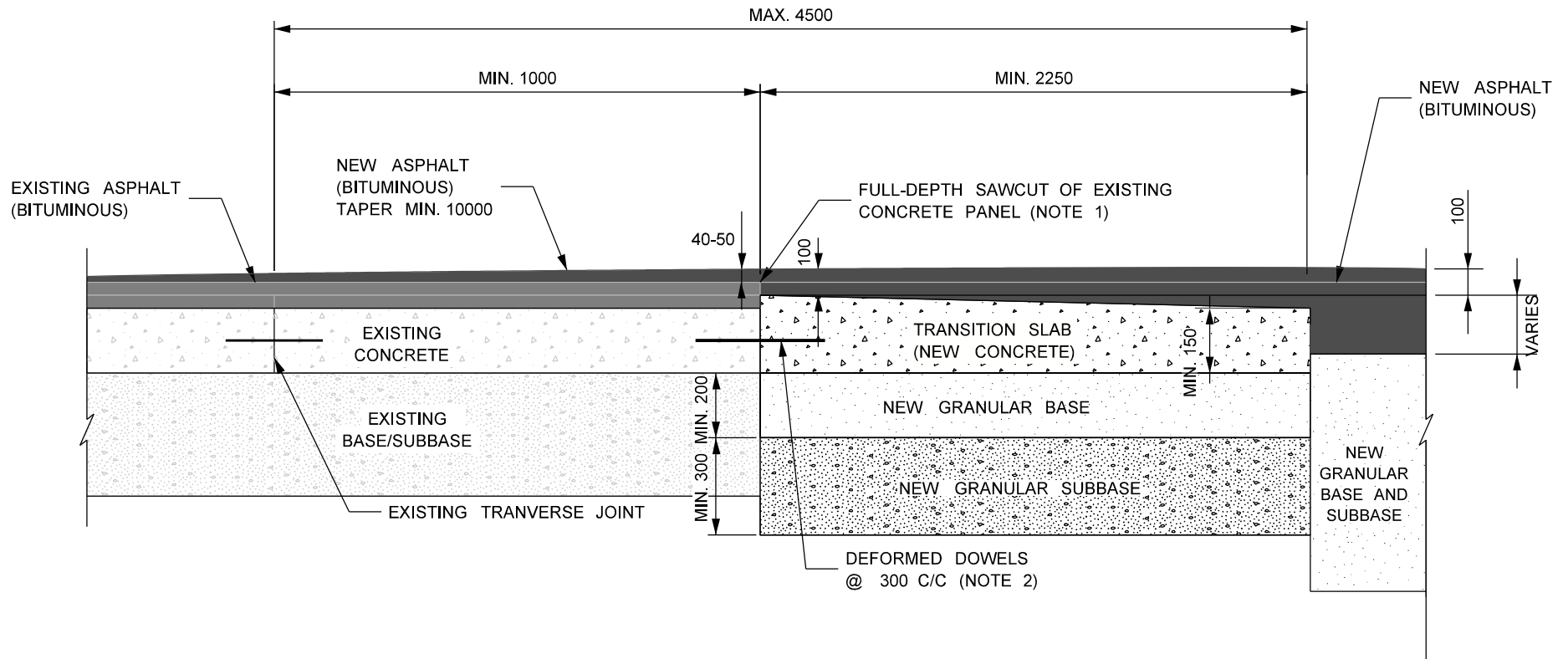
NOTE 2: DOWEL SIZE AS PER EXISTING CONCRETE THICKNESS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

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August 6, 2025

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ORIGINAL SIGNED BY: DUSTIN BOOY EXECUTIVE DIRECTOR OF HIGHWAY ENGINEERING SERVICES		No.	DESCRIPTION	BY	DATE	DATE	TRANSITION DETAILS: EXISTING CONCRETE TO NEW ASPHALT (BITUMINOUS) PAVEMENT
		1				AUGUST 2025	
		2				SCALE	SHEET
		3				N.T.S.	1 OF 1
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						Manitoba  Transportation and Infrastructure	



NOTE 1: EXISTING PAVEMENT TO BE REMOVED FOR TIE-IN AT MIN. 1000 FROM AN EXISTING TRANSVERSE JOINT

NOTE 2: DOWEL SIZE AS PER EXISTING CONCRETE THICKNESS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

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M. ALAUDDIN AHAMMED, P.Eng.

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HIGHWAY ENGINEERING SERVICES

ORIGINAL SIGNED BY:

TARA LISKE

EXECUTIVE DIRECTOR OF
REGIONAL OPERATIONS

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No.	DESCRIPTION	BY	DATE
1			
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MANITOBA STANDARD DRAWING

DATE

AUGUST 2025

SCALE

N.T.S.

SHEET

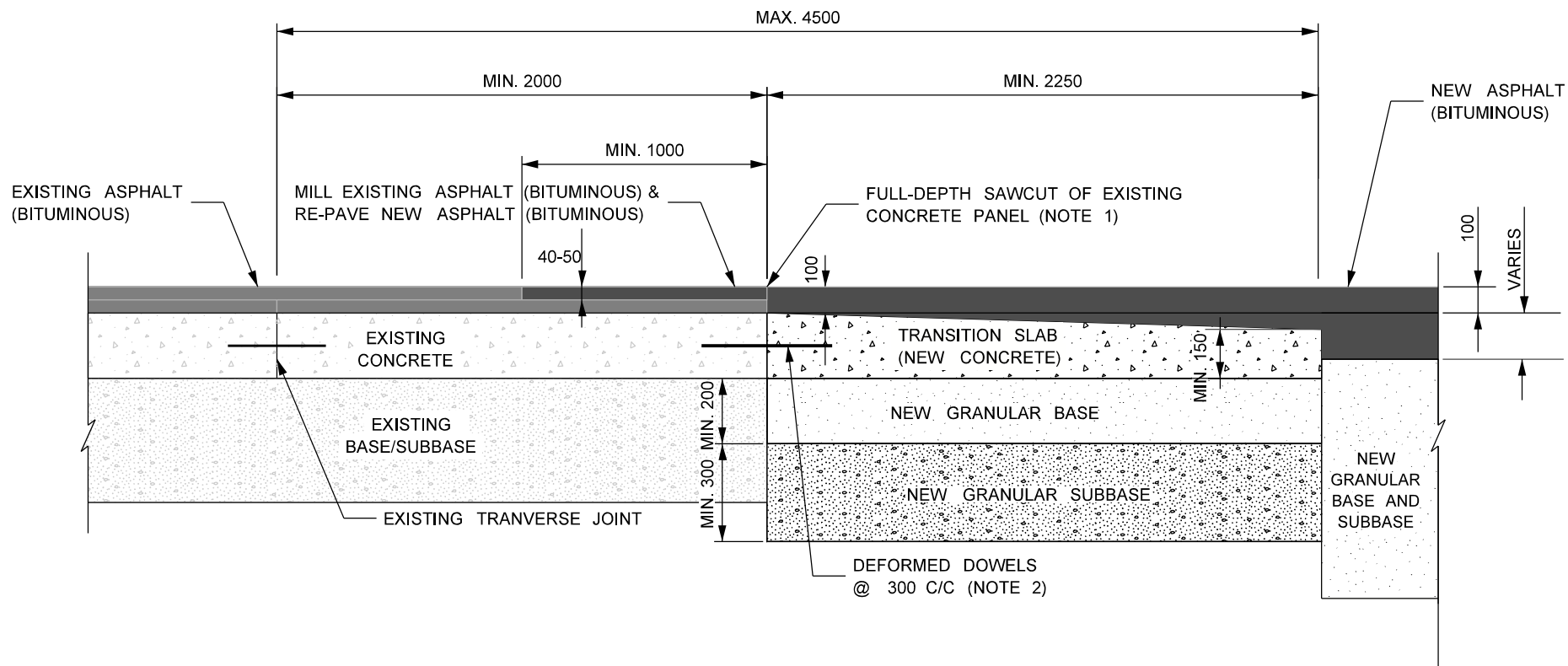
1 OF 1

MSD - 003.3

(OPTION 1)

TRANSITION DETAILS: EXISTING
COMPOSITE TO NEW ASPHALT
(BITUMINOUS) PAVEMENT

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Transportation and Infrastructure



NOTE 1: EXISTING PAVEMENT TO BE REMOVED FOR TIE-IN AT MIN. 2000 FROM AN EXISTING TRANSVERSE JOINT
 NOTE 2: DOWEL SIZE AS PER EXISTING CONCRETE THICKNESS

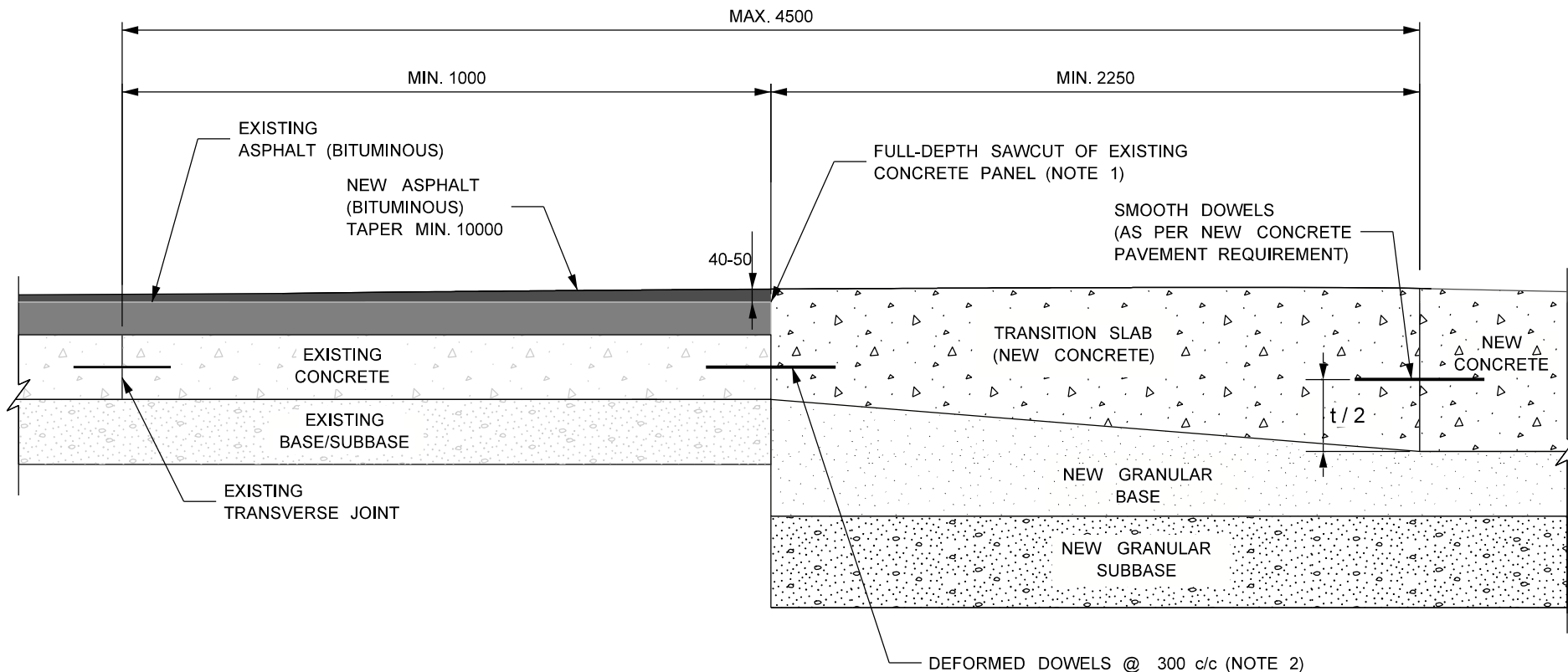
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	▲				AUGUST 2025				
	▲				SCALE	SHEET			
	▲				N.T.S.		1 OF 1		
					MSD - 003.3 (OPTION 2)		<div>Manitoba</div> <div>Transportation and Infrastructure</div>		



t = NEW CONCRETE PAVEMENT DESIGN THICKNESS

NOTE 1: EXISTING PAVEMENT TO BE REMOVED FOR TIE-IN AT MIN. 1000 FROM AN EXISTING TRANSVERSE JOINT

NOTE 2: DOWEL SIZE AS PER EXISTING CONCRETE THICKNESS

IF THE EXISTING PAVEMENT IS THICKER THAN THE NEW PAVEMENT, THE SAME TRANSITION DETAIL SHALL APPLY WITH REVERSED TAPER

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

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August 6, 2025

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EXECUTIVE DIRECTOR OF
HIGHWAY ENGINEERING SERVICES

ORIGINAL SIGNED BY:

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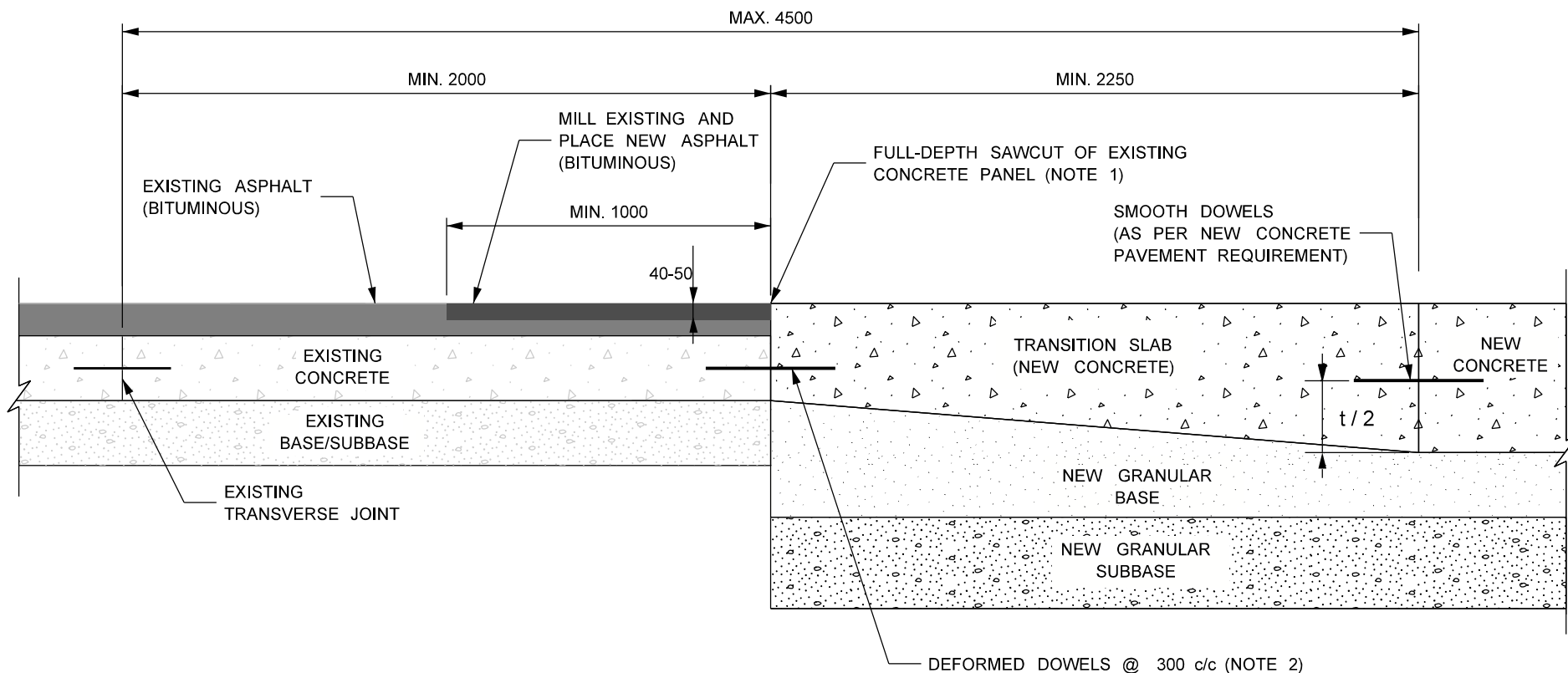
REVISIONS

No.	DESCRIPTION	BY	DATE
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MANITOBA STANDARD DRAWING

DATE		TRANSITION DETAILS: EXISTING COMPOSITE TO NEW CONCRETE PAVEMENT
AUGUST 2025		
SCALE	SHEET	
N.T.S.	1 OF 1	
MSD - 003.4 (OPTION 1)		<div>Manitoba</div> <div>Transportation and Infrastructure</div>

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t = NEW CONCRETE PAVEMENT DESIGN THICKNESS

NOTE 1: EXISTING PAVEMENT TO BE REMOVED FOR TIE-IN AT MIN. 1000 FROM AN EXISTING TRANSVERSE JOINT

NOTE 2: DOWEL SIZE AS PER EXISTING CONCRETE THICKNESS

IF THE EXISTING PAVEMENT IS THICKER THAN THE NEW PAVEMENT, THE SAME TRANSITION DETAIL SHALL APPLY WITH REVERSED TAPER

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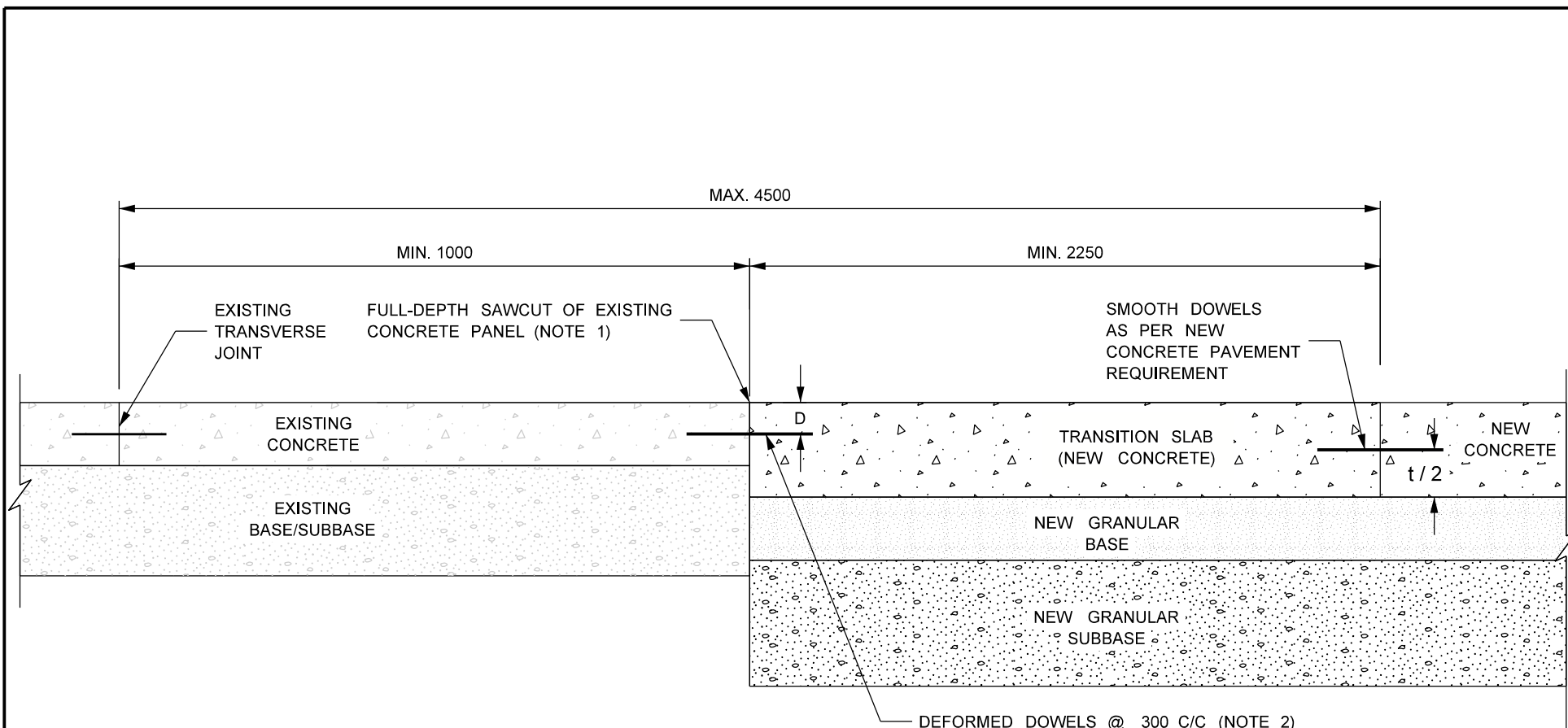
REVISIONS

No.	DESCRIPTION	BY	DATE
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2			
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MANITOBA STANDARD DRAWING

DATE		TRANSITION DETAILS: EXISTING COMPOSITE TO NEW CONCRETE PAVEMENT
AUGUST 2025		
SCALE	SHEET	
N.T.S.	1 OF 1	
MSD - 003.4 (OPTION 2)		<div>Manitoba</div> <div>Transportation and Infrastructure</div>

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D = MID-DEPTH OF THINNEST CONCRETE AT THE JOINT





t = NEW CONCRETE PAVEMENT DESIGN THICKNESS

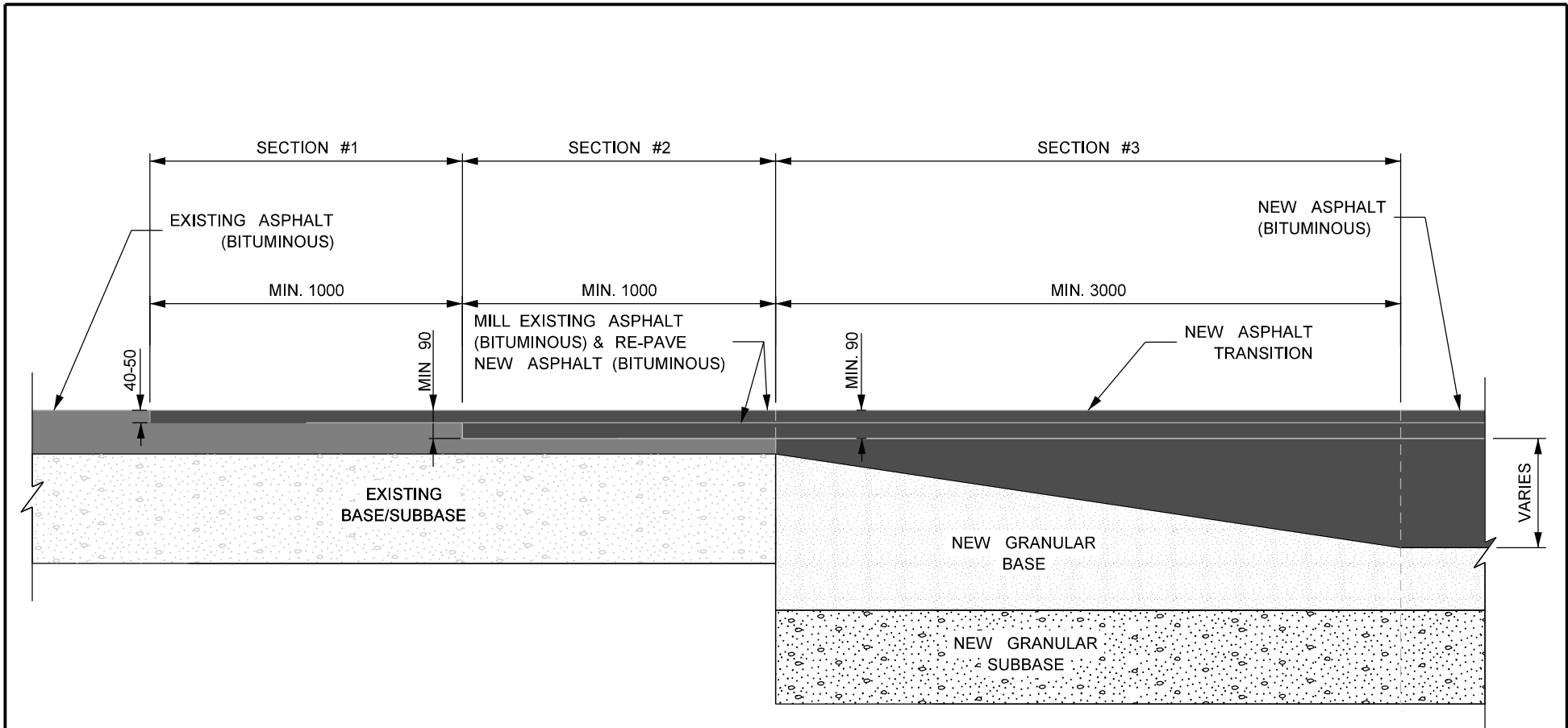
NOTE 1: EXISTING PAVEMENT TO BE REMOVED FOR TIE-IN AT MIN. 1000 FROM AN EXISTING TRANSVERSE JOINT

NOTE 2: DOWEL SIZE AS PER EXISTING CONCRETE THICKNESS

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE

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					AUGUST 2025				
					SCALE	SHEET			
					N.T.S.	1 OF 1			
					MSD - 003.5				



NOTES:

IF THE EXISTING ASPHALT (BITUMINOUS) IS ≥ 140 , ALL TRANSITION SECTIONS SHALL APPLY





IF THE EXISTING ASPHALT (BITUMINOUS) IS $\geq 100 < 140$, TRANSITION SECTION #2 DOES NOT APPLY

IF THE EXISTING ASPHALT (BITUMINOUS) IS < 100 , TRANSITION SECTIONS #1 AND #2 DO NOT APPLY

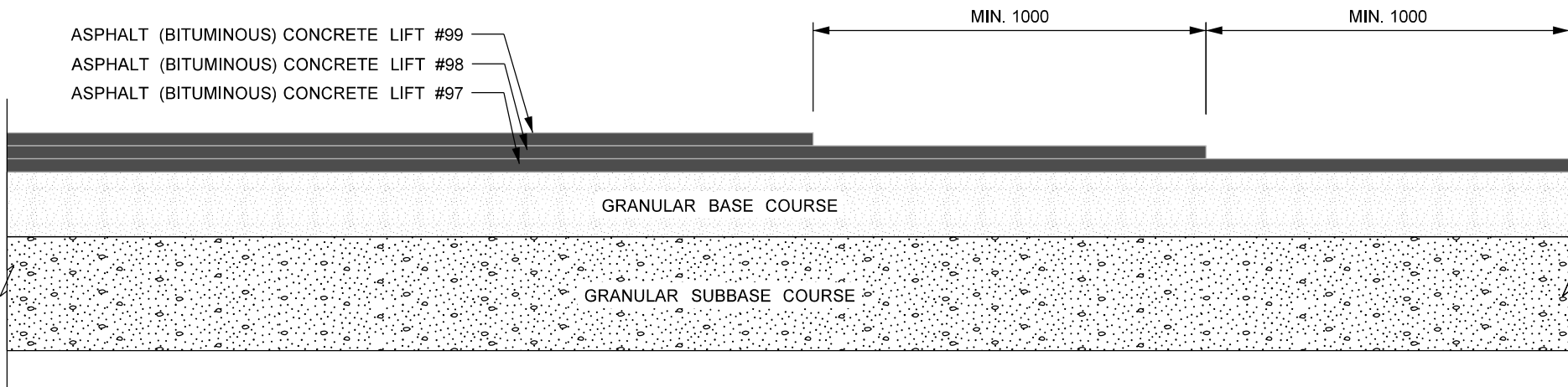
IF THE EXISTING PAVEMENT IS THICKER THAN THE NEW PAVEMENT, THE SAME TRANSITION DETAIL SHALL APPLY WITH REVERSED TAPER

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					AUGUST 2025			
					SCALE	SHEET		
					N.T.S.	1 OF 1		
						MSD - 003.6		
							 Manitoba Transportation and Infrastructure	





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August 6, 2025

NOTE: ALL LIFTS SHALL BE STEPPED FOLLOWING THE PATTERN SHOWN ABOVE.

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						AUGUST 2025	
						SCALE	SHEET
						N.T.S.	1 OF 1
						MSD - 003.7	Manitoba Transportation and Infrastructure