

APPENDIX 'H'

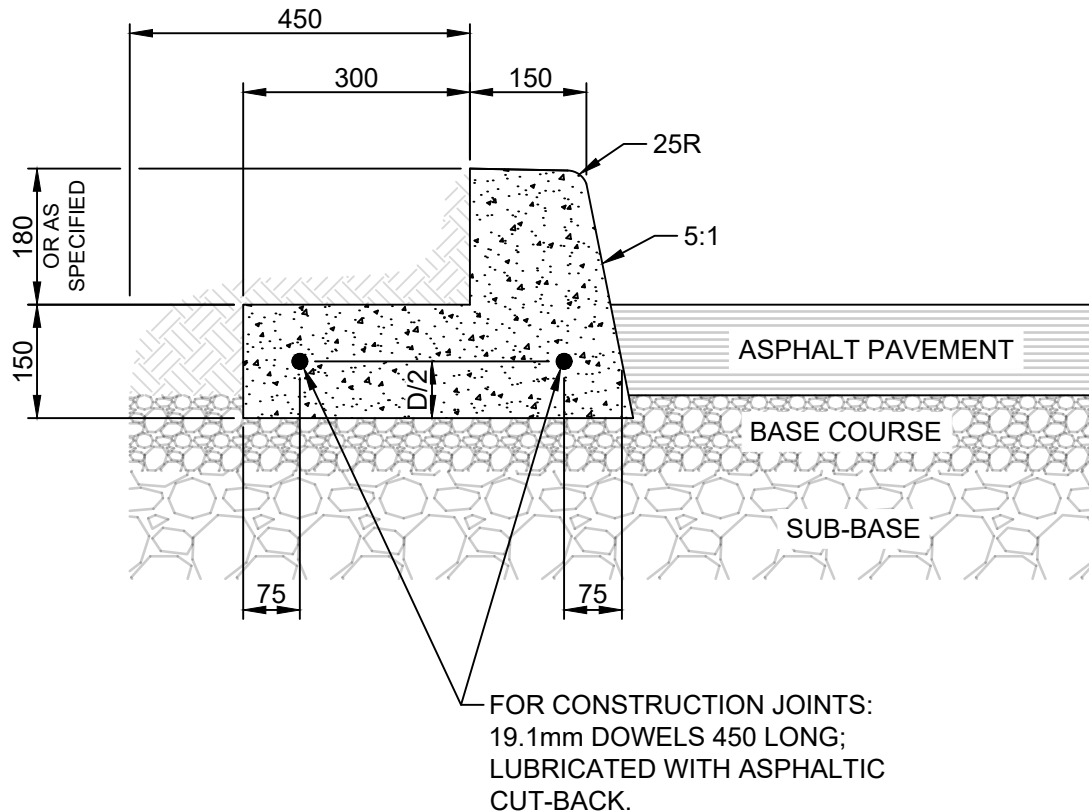
APPLICABLE STANDARD DETAILS



3. THIS DETAIL SHALL ONLY BE USED FOR REPAIRS OF EXISTING CURB AND GUTTER OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.

 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	Revisions			
	1.	OCT 24	ADDED NOTE 3	R.B.
Reference Spec. No. CW 3325	No.	Date	Description	By
CURB AND GUTTER	Designed By: B.P.		Drawn By: R.B.	Scale : N.T.S.
	Checked By: D.R.K.		Date: 2008-12-15	Drawing No.
	Approved: PAVEMENT MANAGEMENT BRANCH			SD-200

 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	Revisions			
Reference Spec. No. CW 3325				
	No.	Date	Description	By
BARRIER CURB FOR ASPHALT PAVEMENT	Designed By: A.G.		Drawn By: R.B.	Scale : N.T.S
	Checked By: B.K.		Date: 2025-12-15	Drawing No.
	Approved: PAVEMENT MANAGEMENT BRANCH			SD-200A



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

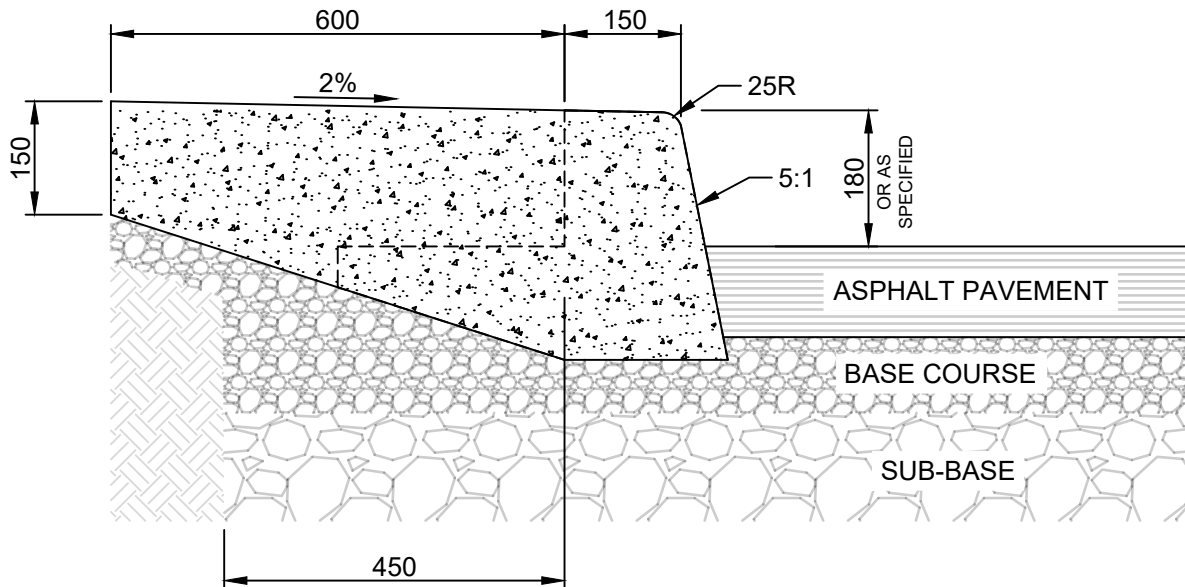
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

**BARRIER CURB AND
REVERSED GUTTER FOR
ASPHALT PAVEMENT**

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-200B



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FOR CONSTRUCTION JOINTS INSTALL TWO 19.1mm DOWELS 450 LONG;
LUBRICATED WITH ASPHALTIC CUT-BACK. REF SD-200B.
4. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

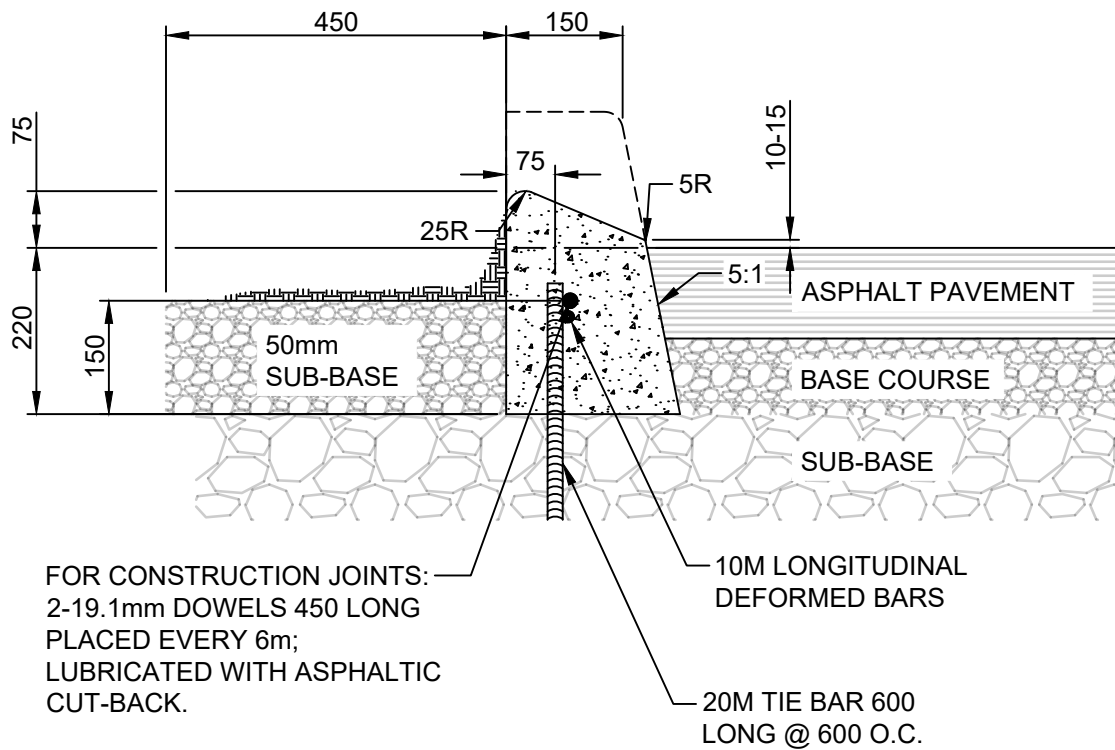
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

**BARRIER CURB WITH
INTEGRAL SPLASH STRIP
FOR ASPHALT PAVEMENT**

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-200C



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

75 mm LIP CURB FOR
ASPHALT PAVEMENT

Designed By:
A.G.

Drawn By:
R.B.

Scale :
N.T.S

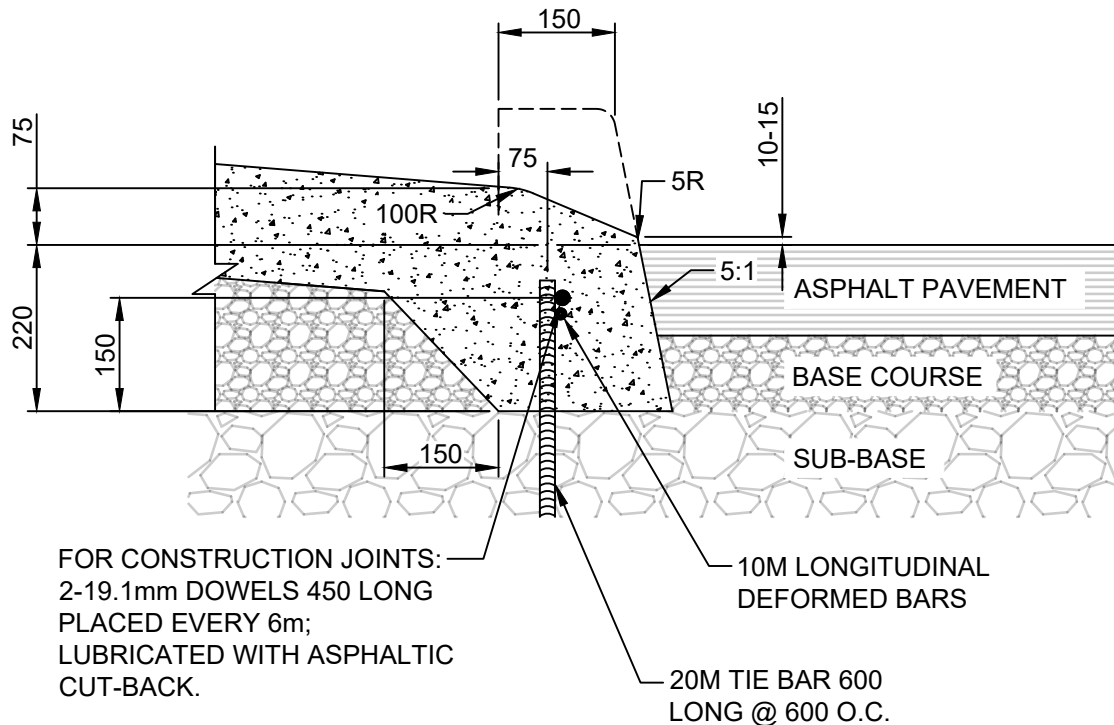
Checked By:
B.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-202D



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

75 mm LIP CURB WITH
INTEGRAL APPROACH
FOR ASPHALT PAVEMENT

Designed By:
A.G.

Drawn By:
R.B.

Scale :
N.T.S

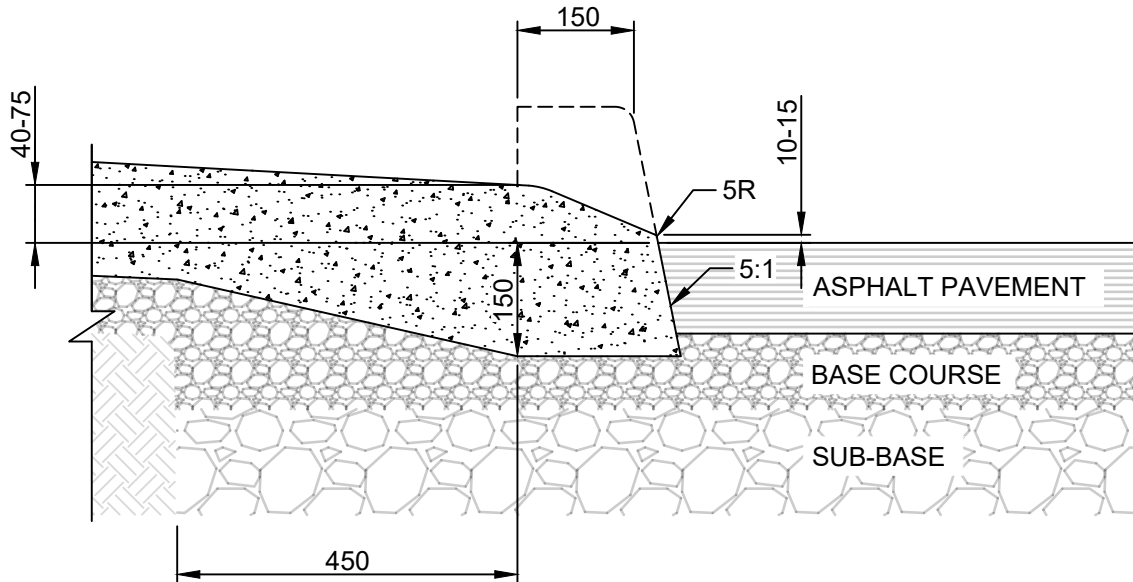
Checked By:
B.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-202E



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FOR CONSTRUCTION JOINTS INSTALL TWO 19.1mm DOWELS 450 LONG; LUBRICATED WITH ASPHALTIC CUT-BACK. REF SD-200B.
4. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

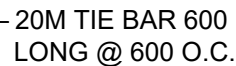
Reference Spec. No.
CW 3325

Revisions

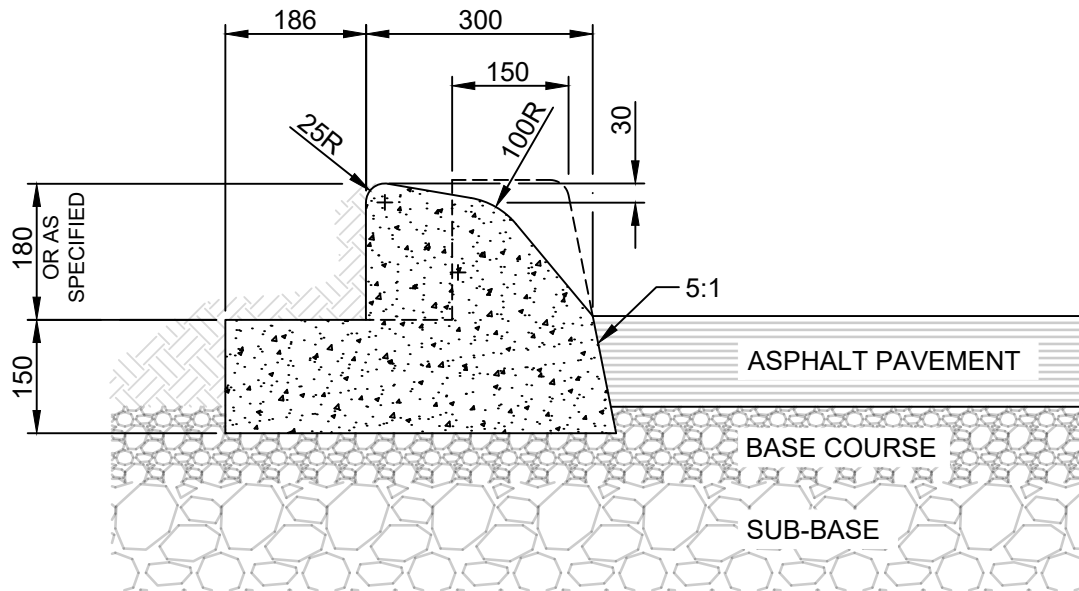
No.	Date	Description	By

LIP CURB WITH
INTEGRAL APPROACH
FOR ASPHALT PAVEMENT

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-202F



Revisions			
No.	Date	Description	By
Designed By: A.G.		Drawn By: R.B.	Scale : N.T.S
Checked By: B.K.		Date: 2025-12-15	Drawing No. SD-203C
Approved: PAVEMENT MANAGEMENT BRANCH			



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FOR CONSTRUCTION JOINTS INSTALL TWO 19.1mm DOWELS 450 LONG;
LUBRICATED WITH ASPHALTIC CUT-BACK. REF SD-200B.
4. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

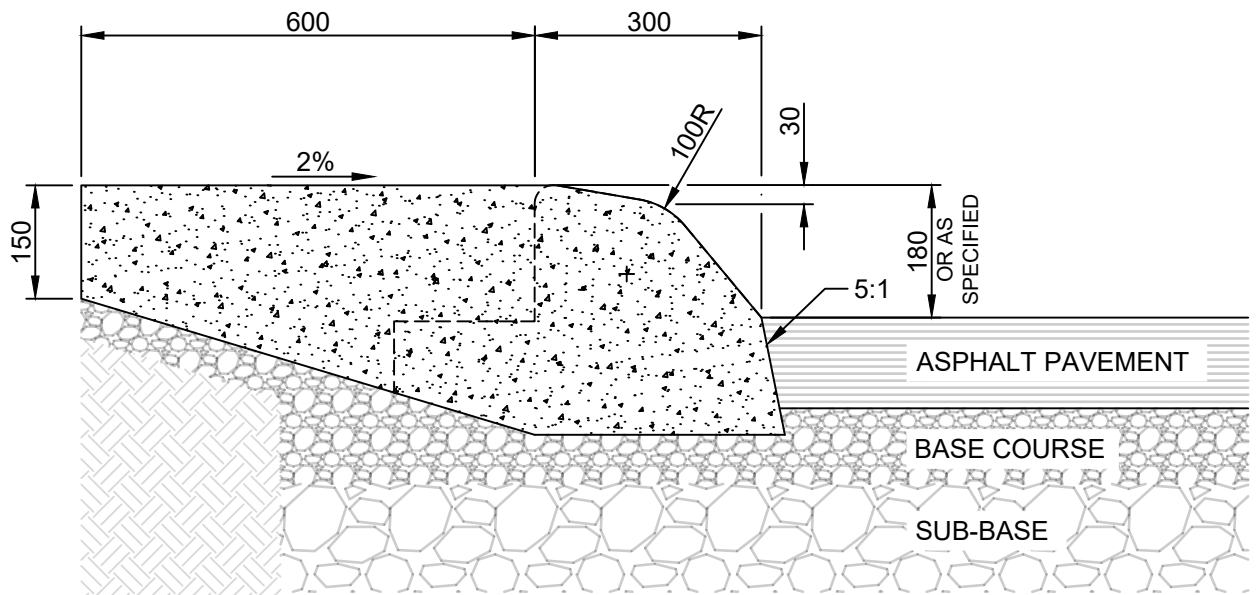
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

**MODIFIED BARRIER CURB
WITH REVERSED GUTTER
FOR ASPHALT PAVEMENT**

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-203D



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FOR CONSTRUCTION JOINTS INSTALL TWO 19.1mm DOWELS 450 LONG;
LUBRICATED WITH ASPHALTIC CUT-BACK. REF SD-200B.
4. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

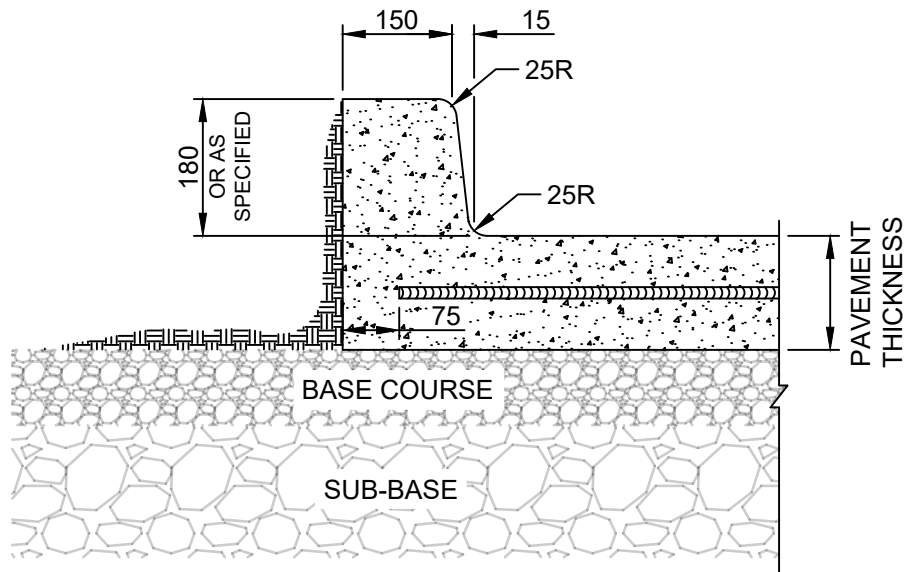
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

**MODIFIED BARRIER CURB WITH
INTEGRAL SPLASH STRIP FOR
ASPHALT PAVEMENT**

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-203E



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

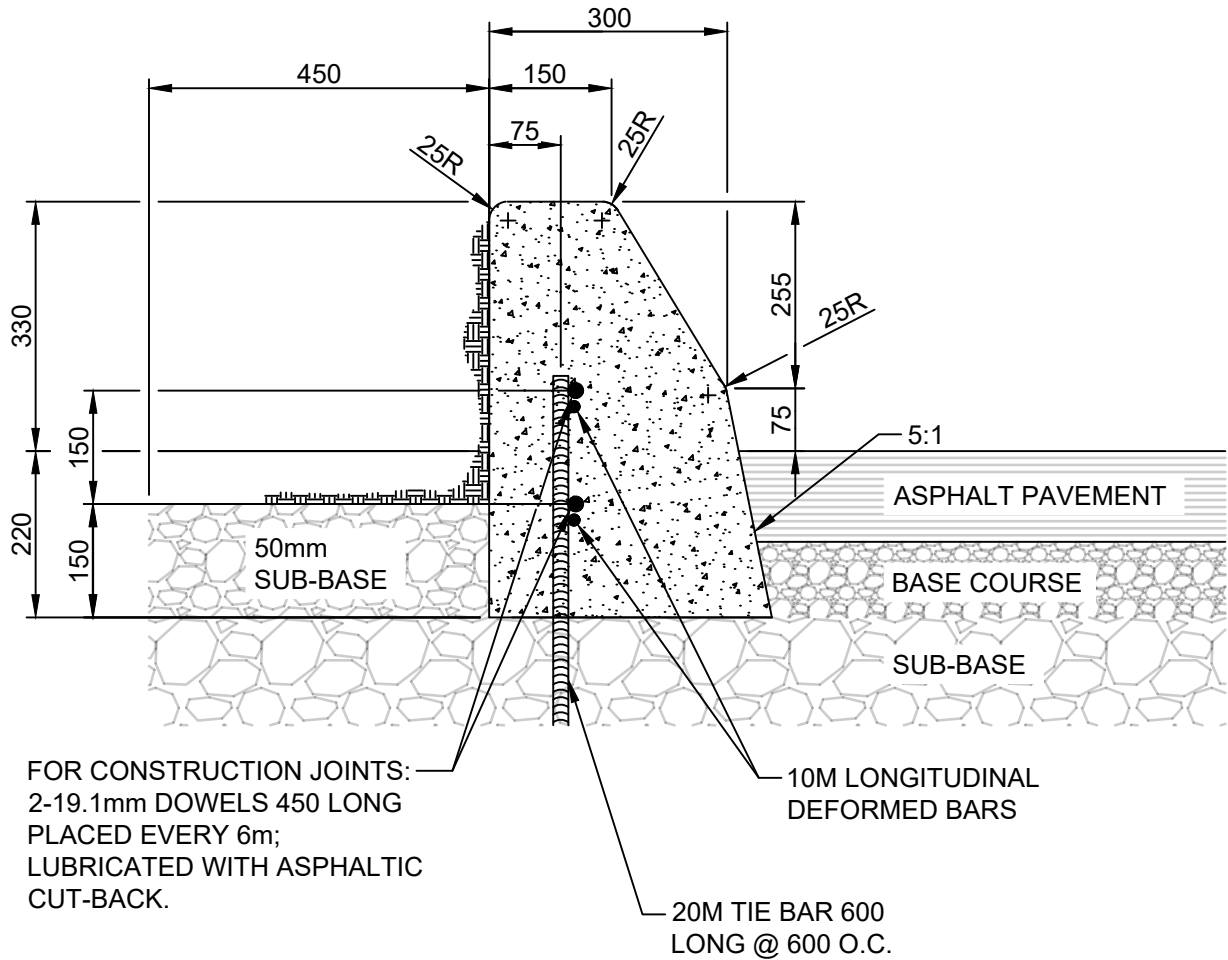
Reference Spec. No.
CW 3230, CW 3310

Revisions

1.	JAN 26	GENERAL REVISION	A.G.
No.	Date	Description	By

BARRIER CURB
INTEGRAL

Designed By: L.S.W.L.	Drawn By: T.K.	Scale : N.T.S
Checked By: L.S.W.L.	Date: 1981-02-16	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-204



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

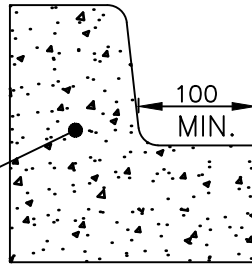
Reference Spec. No.
CW 3325

SAFETY CURB FOR
ASPHALT PAVEMENT

Revisions			
No.	Date	Description	By
Designed By: A.G.		Drawn By: R.B.	Scale : N.T.S
Checked By: B.K.		Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH			SD-206C

SAWCUT FULL-DEPTH PRIOR TO
AND FOR THE FULL LENGTH OF
CURB REMOVAL

EXISTING CURB AND SLAB
TO BE REMOVED
(REINFORCING NOT SHOWN)

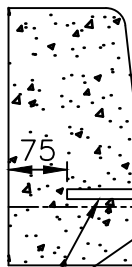


EXISTING CONCRETE

PAVEMENT REMOVAL FOR BARRIER CURB

600 LONG TIE BARS:

15M @ 600 O.C. FOR PAVEMENTS $D < 200$
20M @ 600 O.C. FOR PAVEMENTS $D = 200$
25M @ 600 O.C. FOR PAVEMENTS $D > 200$



BUTT JOINT
REF. SD-212

75

BAR MAT REINFORCEMENT
REF. SD-217

230 MIN.

EXISTING CONCRETE

NEW CONCRETE

PAVEMENT WIDENING

NOTE:
TRANSVERSE SAWCUT TYP. 4.0–5.0m
OR AT PAVEMENT JOINTS.

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

No.	Date	Description	By
2.	OCT 24	TIE BAR SIZE AND TRANSVERSE CUTS	A.G.
1.	JAN 03	GENERAL REVISION	L.W.B.

CONCRETE PAVEMENT WIDENING

Designed By:
L.S.W.L.

Drawn By:
R.B.

Scale :
N.T.S.

Checked By:
D.R.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-207

SAWCUT FULL-DEPTH PRIOR TO
AND FOR THE FULL LENGTH OF
CURB REMOVAL

REPLACE ASPHALT FOR
FULL LANE WIDTH OR
AS DIRECTED BY
CONTRACT ADMINISTRATOR

EXISTING CONCRETE

EXISTING CURB, SLAB AND
ASPHALT TO BE REMOVED
(REINFORCING NOT SHOWN)

100
MIN.

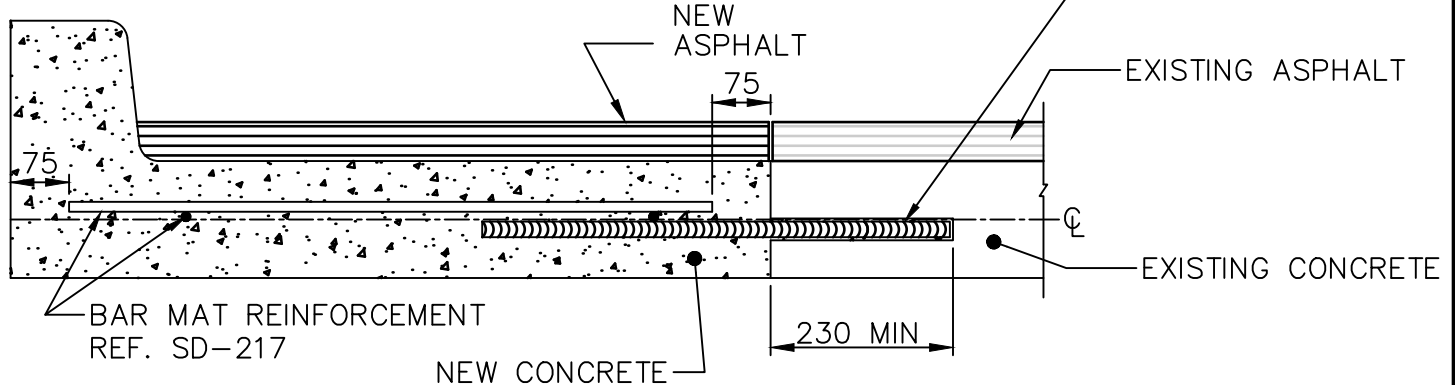
PAVEMENT REMOVAL

600 LONG TIE BARS:

15M @ 600 O.C. FOR PAVEMENTS D<200

20M @ 600 O.C. FOR PAVEMENTS D=200

25M @ 600 O.C. FOR PAVEMENTS D>200



PAVEMENT WIDENING

NOTE:
TRANSVERSE SAWCUT TYP. 4.0–5.0m
OR AT PAVEMENT JOINTS.

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

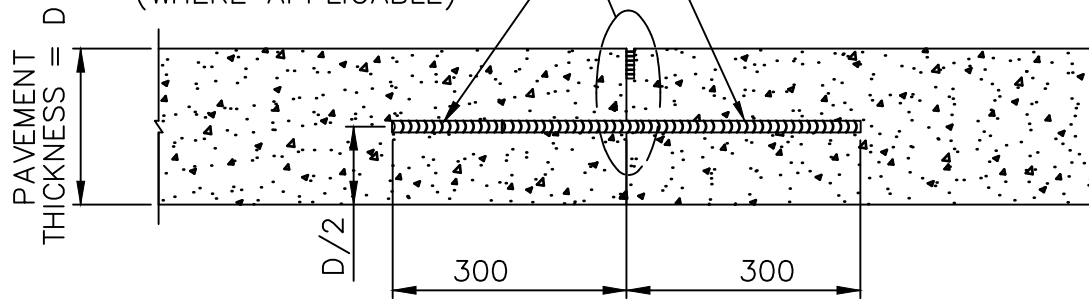
No.	Date	Description	By
2.	MAY 25	TIE BAR SIZE AND TRANSVERSE SAWCUT	R.B.
1.	JAN 03	GENERAL REVISION	L.W.B.

PAVEMENT WIDENING
(CONCRETE PAVEMENT WITH
ASPHALT OVERLAY)

Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-208

BUTT JOINT
REF. SD-212

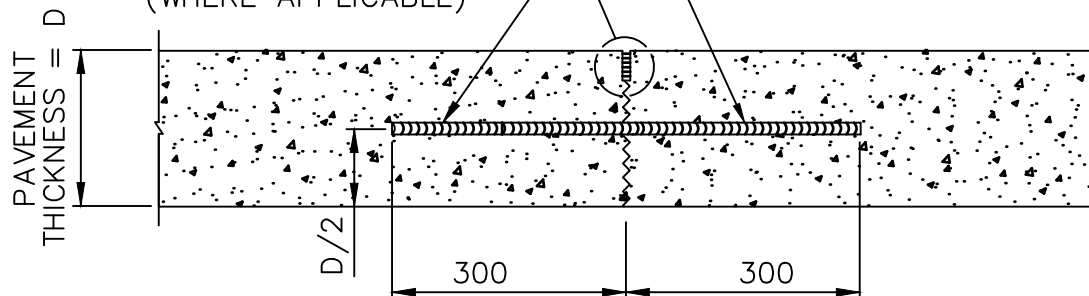
BAR MAT REINFORCEMENT
REF. SD-217
(WHERE APPLICABLE)



FORMED LONGITUDINAL JOINT

SAWN JOINT REF. SD-212

BAR MAT REINFORCEMENT
REF. SD-217
(WHERE APPLICABLE)



SAWN LONGITUDINAL JOINT

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

1.	OCT 24	TIE BAR SIZE	A.G.
No.	Date	Description	By

LONGITUDINAL JOINT FOR
CONCRETE PAVEMENT

Designed By:
L.S.W.L.

Drawn By:
R.B.

Scale :
N.T.S.

Checked By:
D.R.K.

Date:
2025-12-15

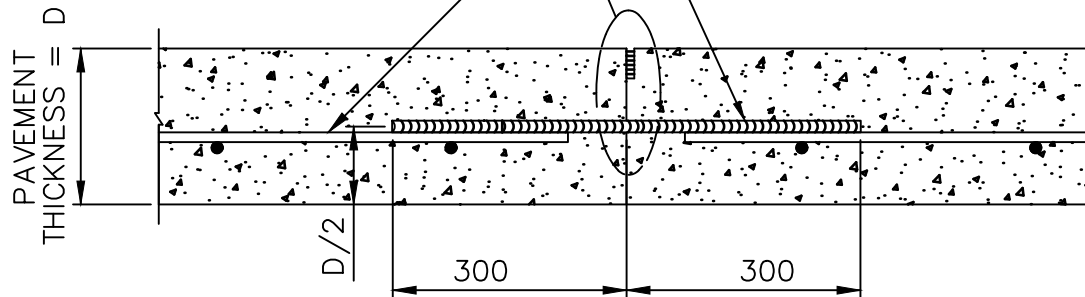
Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-210A

BUTT JOINT
REF. SD-212

BAR MAT REINFORCEMENT
REF. SD-217
(WHERE APPLICABLE)

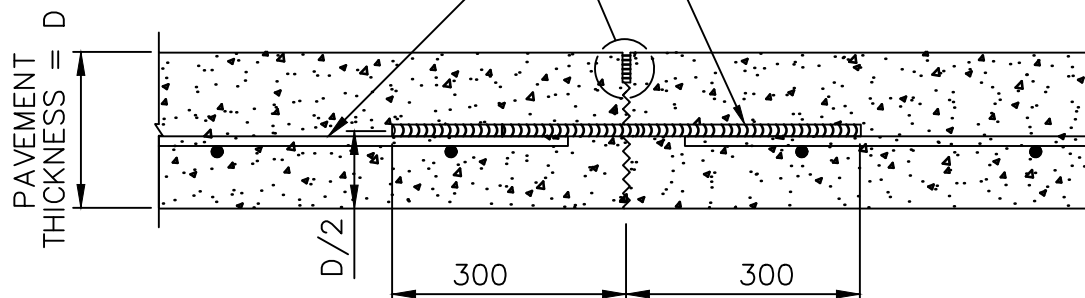


600 LONG TIE BARS:
15M @ 600 O.C. FOR PAVEMENTS $D < 200$
20M @ 600 O.C. FOR PAVEMENTS $D = 200$
25M @ 600 O.C. FOR PAVEMENTS $D > 200$

FORMED LONGITUDINAL JOINT

SAWN JOINT REF. SD-212

BAR MAT REINFORCEMENT
REF. SD-217
(WHERE APPLICABLE)



600 LONG TIE BARS:
15M @ 600 O.C. FOR PAVEMENTS $D < 200$
20M @ 600 O.C. FOR PAVEMENTS $D = 200$
25M @ 600 O.C. FOR PAVEMENTS $D > 200$

SAWN LONGITUDINAL JOINT

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

LONGITUDINAL JOINT FOR
CONCRETE PAVEMENTS WITH BAR
MAT REINFORCEMENT

Revisions

No.	Date	Description	By

Designed By:
A.G.

Drawn By:
R.B.

Scale :
N.T.S.

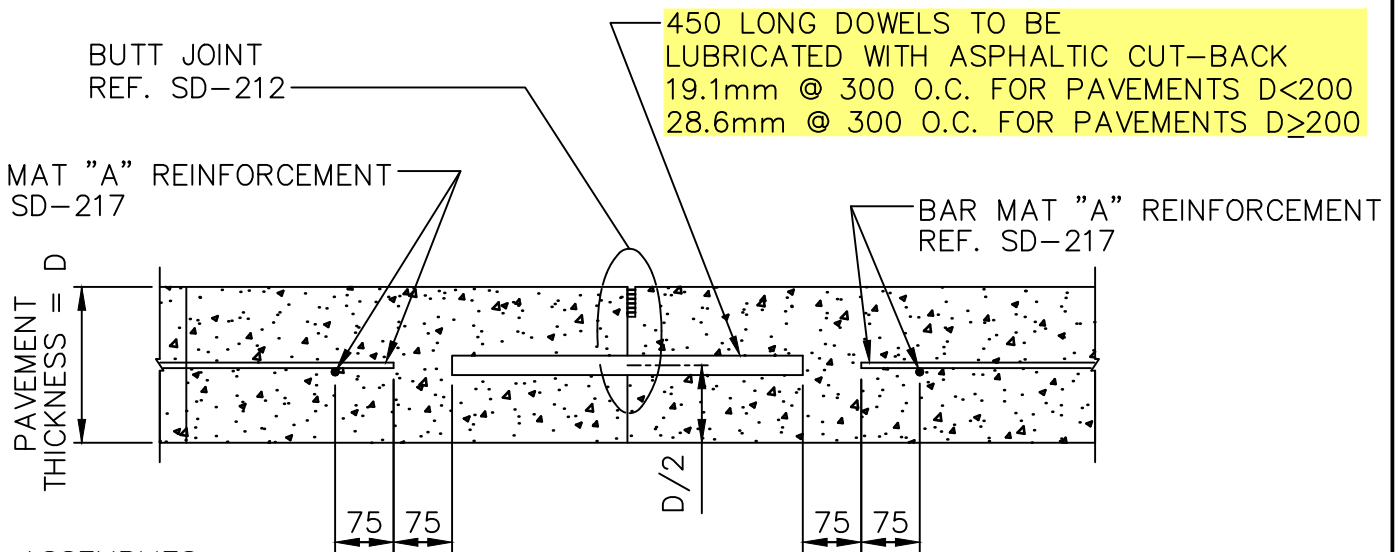
Checked By:
B.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-210B



NOTE:
DOWEL ASSEMBLIES
NOT SHOWN

CONSTRUCTION JOINT MAT "A"

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

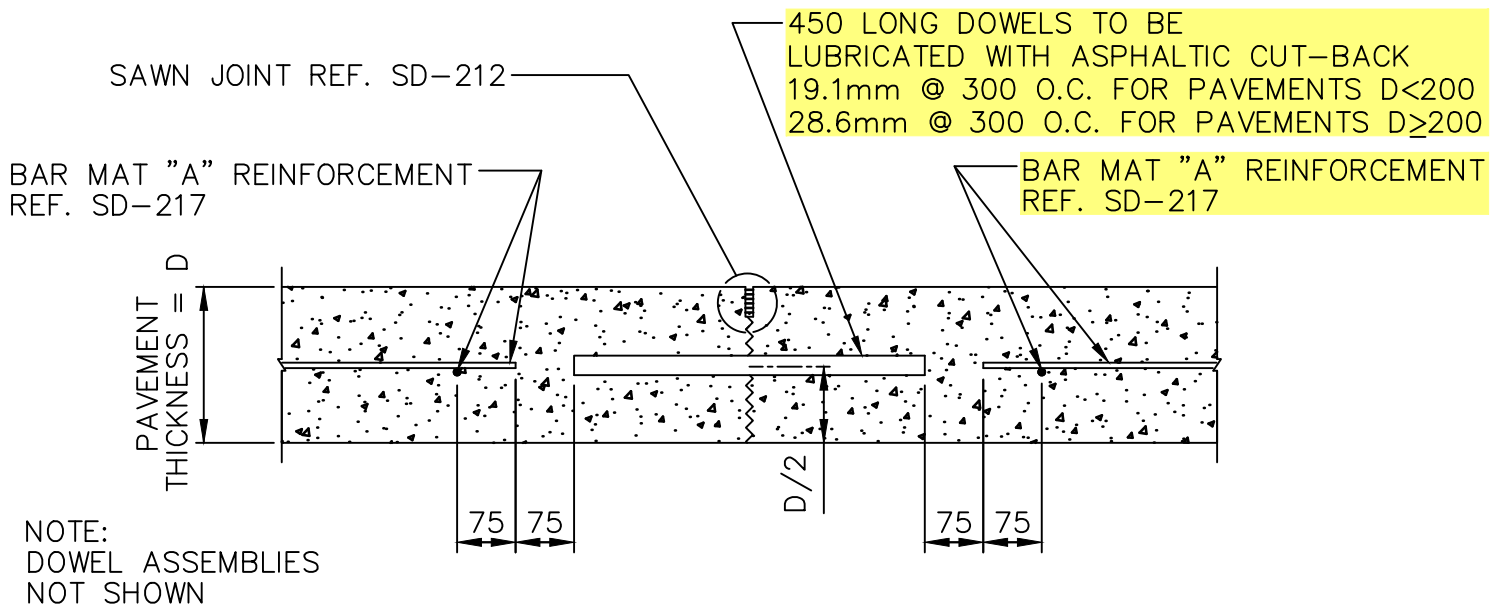
Reference Spec. No.
CW 3230, CW 3310

Revisions

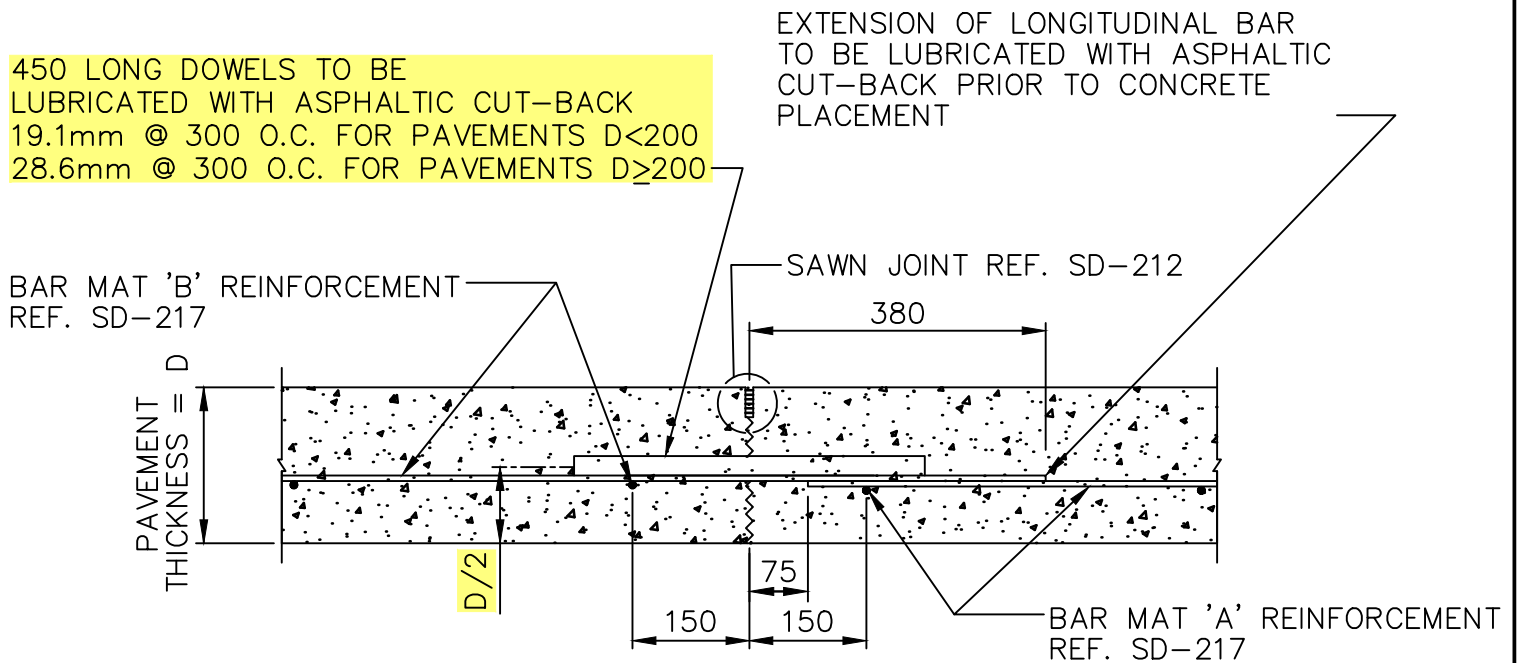
No.	Date	Description	By
1.	OCT 24	GENERAL REVISION	R.B.

CONSTRUCTION JOINT
FOR REINFORCED
CONCRETE PAVEMENT

Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No. SD-211A
Approved: PAVEMENT MANAGEMENT BRANCH		



CONTRACTION JOINT MAT "A"



CONTRACTION JOINT MAT "B"

DIMENSIONS IN MILLIMETRES



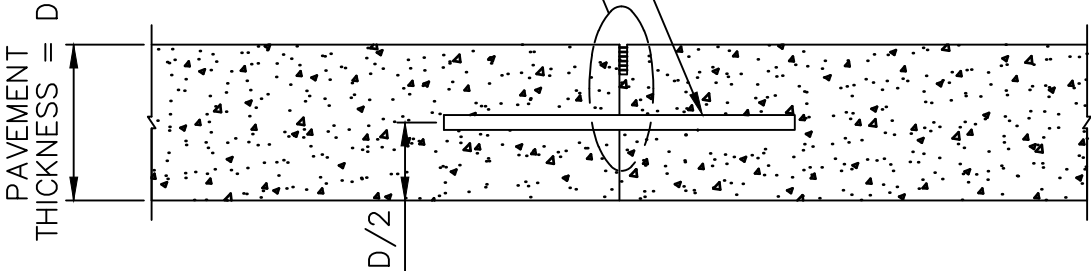
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

CONTRACTION JOINT
FOR REINFORCED
CONCRETE PAVEMENT

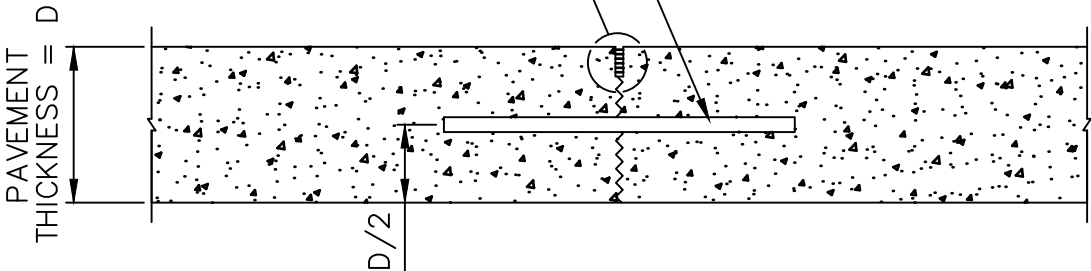
Revisions			
No.	Date	Description	By
		Designed By: A.G.	Drawn By: R.B.
		Checked By: B.K.	Date: 2025-12-15
		Approved: PAVEMENT MANAGEMENT BRANCH	Scale : N.T.S.
			Drawing No. SD-211B

BUTT JOINT REF. SD-212



CONSTRUCTION JOINT

SAWN JOINT REF. SD-212



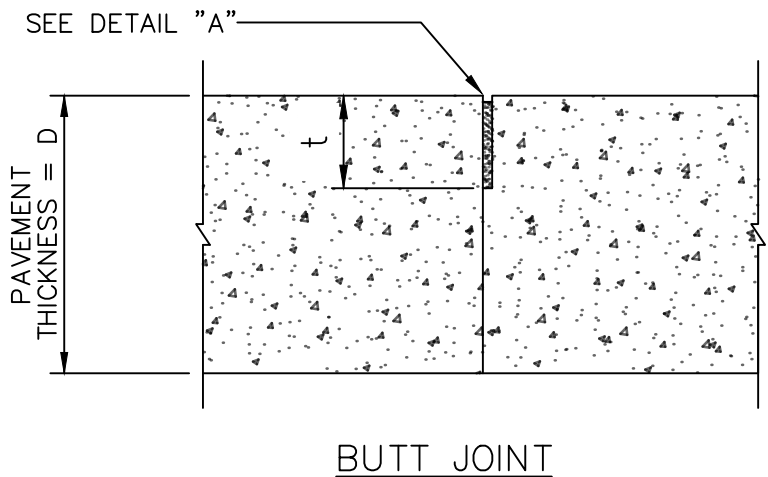
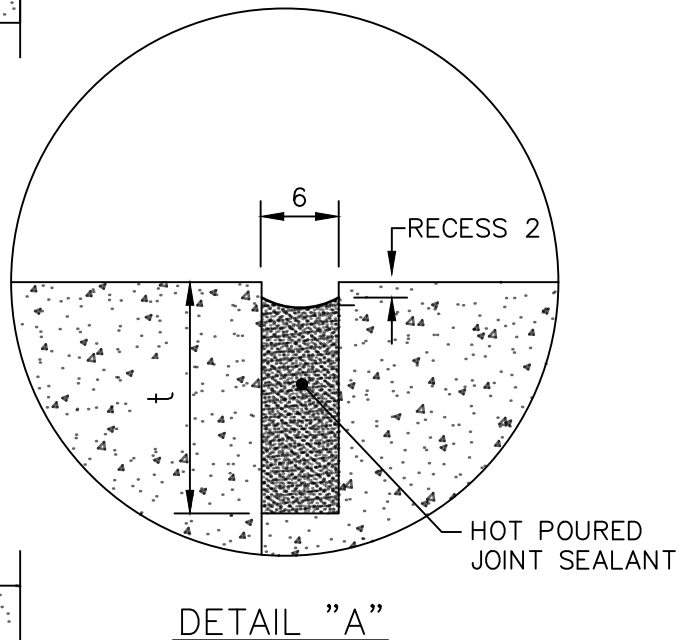
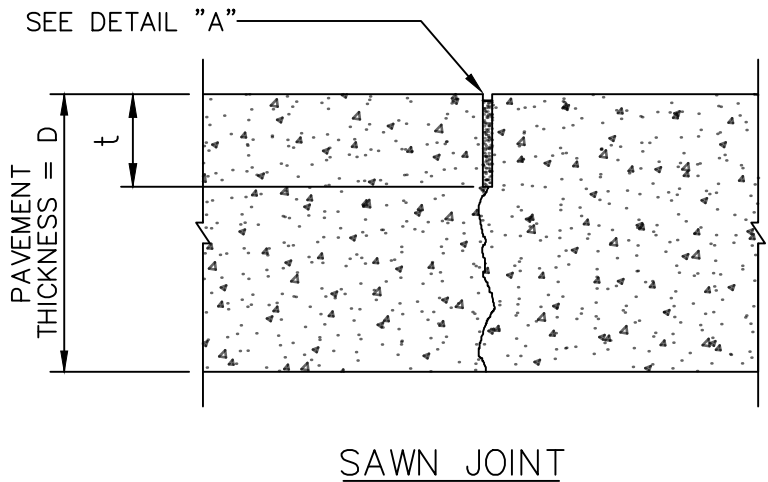
CONTRACTION JOINT

NOTE: DOWEL ASSEMBLIES
NOT SHOWN.

DIMENSIONS IN MILLIMETRES

 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	Revisions			
Reference Spec. No. CW 3230, CW 3310				
CONSTRUCTION JOINT AND CONTRACTION JOINT FOR PLAIN DOWELLED CONCRETE PAVEMENT	1.	OCT 24	GENERAL REVISION	A.G.
	No.	Date	Description	By
	Designed By: L.S.W.L.		Drawn By: R.B.	Scale : N.T.S.
	Checked By: D.R.K.		Date: 2025-12-15	Drawing No.
	Approved: PAVEMENT MANAGEMENT BRANCH			SD-211C

TRANSVERSE JOINT: $t=D/3$
LONGITUDINAL JOINT: $t=D/4$



- NOTES:
1. SEALING OF CONCRETE JOINTS NOT REQUIRED IF THE JOINTS ARE BEING OVERLAYED WITH ASPHALT.
 2. REINFORCING NOT SHOWN.

DIMENSIONS IN MILLIMETRES

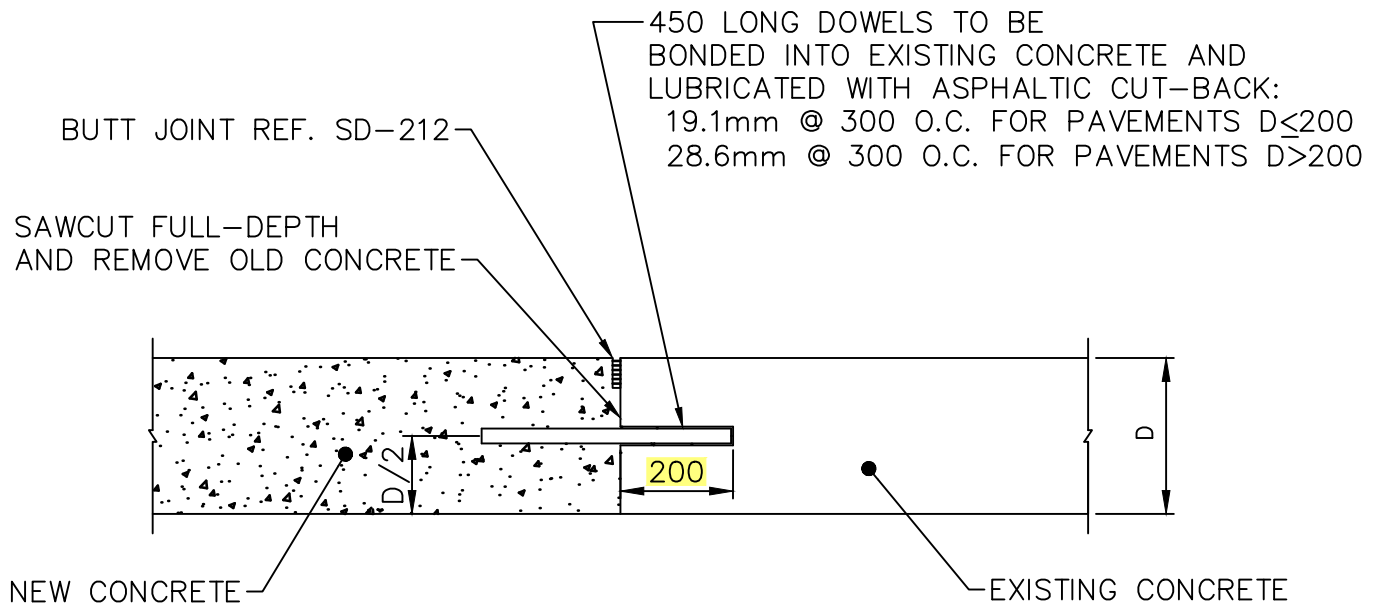


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

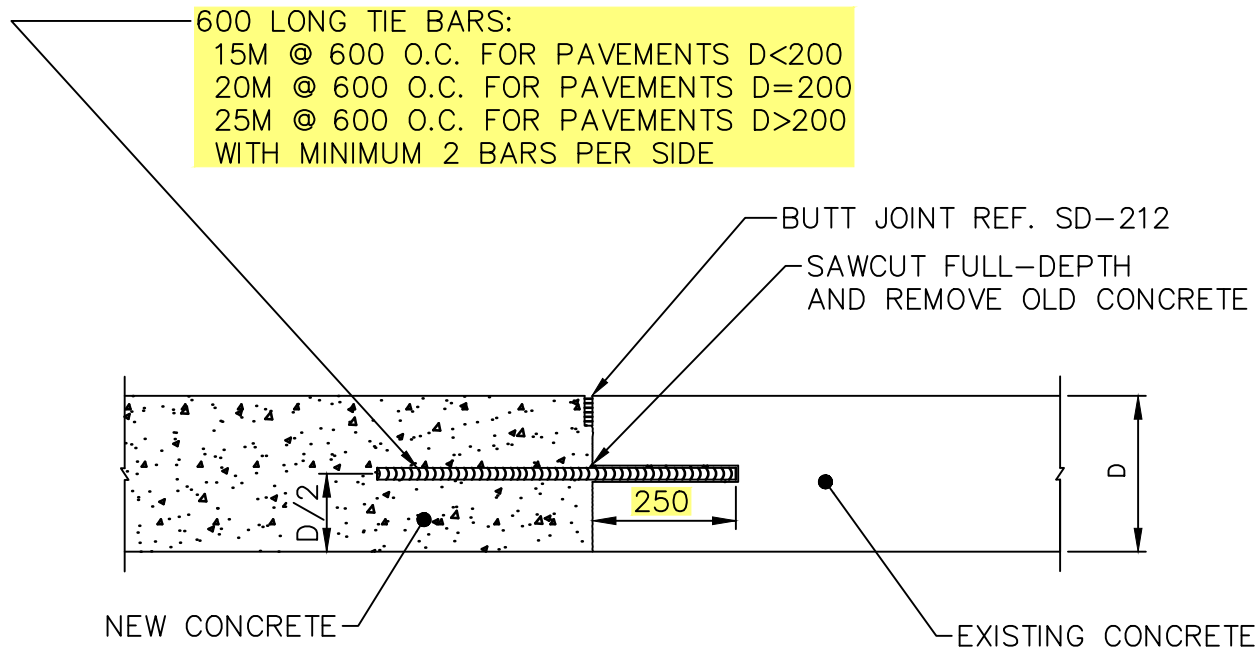
Reference Spec. No.
CW 3230, CW 3310

SAWN JOINT AND BUTT JOINT FOR
CONCRETE PAVEMENTS

Revisions			
2.	MAY 25	SAW CUT WIDTH AND DEPTH	R.B.
1.	OCT 06	GENERAL REVISION	L.W.B.
No.	Date	Description	By
Designed By:		Drawn By:	Scale : N.T.S.
A.G.		R.B.	
Checked By:		Date:	Drawing No. SD-212
B.K.		2025-12-15	
Approved:			
PAVEMENT MANAGEMENT BRANCH			



TRANSVERSE (MOVING) JOINT



TIED JOINT

NOTE:
BAR MAT REINFORCEMENT
NOT SHOWN REF. SD-217

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

No.	Date	Description	By
2.	OCT 24	TIE BAR DETAILS	A.G.
1.	OCT 13	GENERAL REVISION	L.W.B.

FULL-DEPTH PATCHES AND
SLAB REPLACEMENT

Designed By:
B.P.

Drawn By:
R.B.

Scale :
N.T.S.

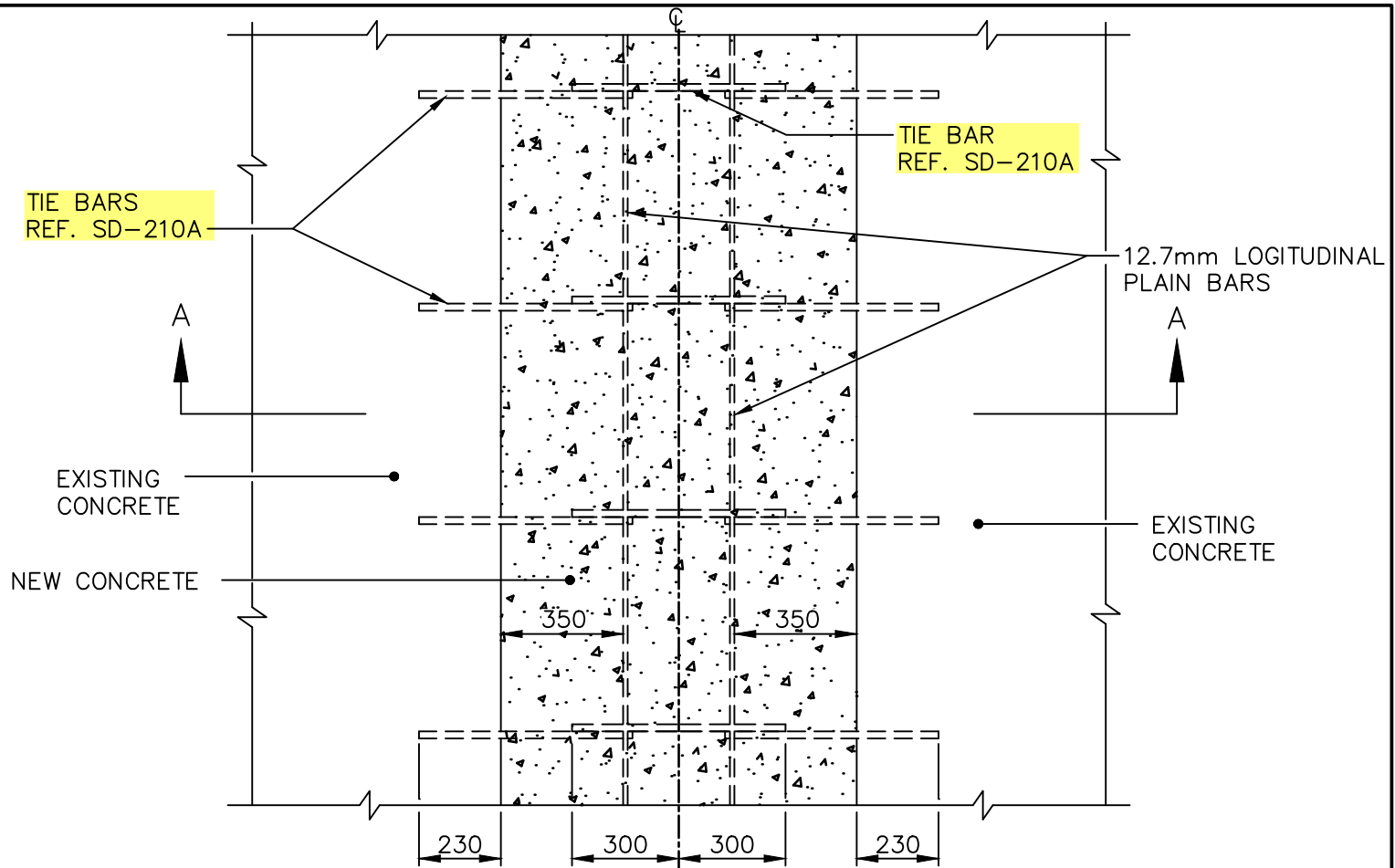
Checked By:
D.R.K.

Date:
2025-12-15

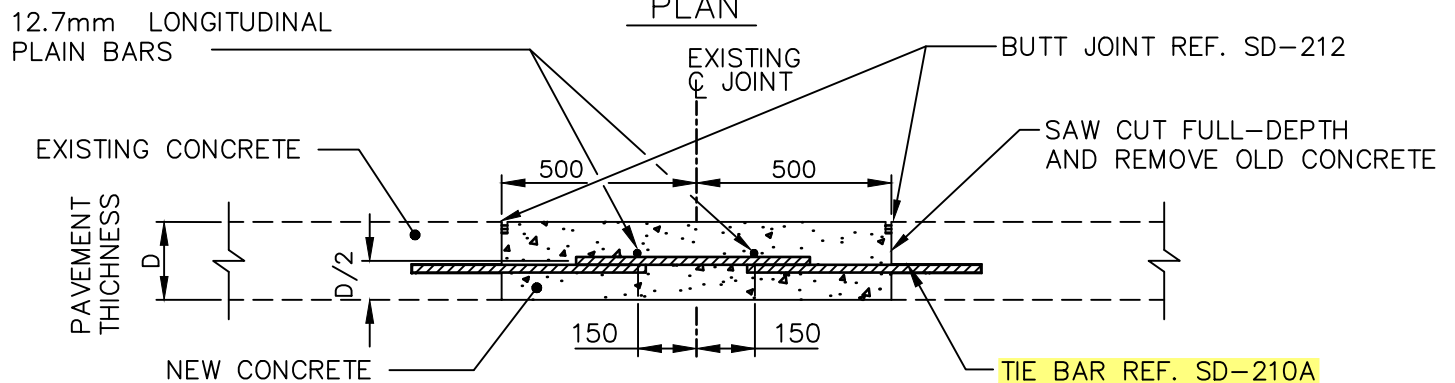
Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-213B



PLAN



SECTION A-A

NOTE:

1. IF JOINT REPAIR IS GREATER THAN 1000 WIDE ON EITHER SIDE OF THE JOINT, USE ADDITIONAL 12.7mm LONGITUDINAL PLAIN BARS AT 450 O.C. OR USE BAR MAT REF. SD-217.
2. INSTALL DOWELS AT PATCH ENDS, REF. SD-213B.

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

No.	Date	Description	By
3.	OCT 24	TIE BAR DETAILS	A.G.
2.	FEB 04	GENERAL REVISION	J.G.
1.	JAN 03	GENERAL REVISION	A.P.

LONGITUDINAL JOINT
REPAIR DETAILS
FULL-WIDTH PATCH
(BOTH SIDES AT SAME TIME)

Designed By:
L.S.W.L.

Drawn By:
R.B.

Scale :
N.T.S.

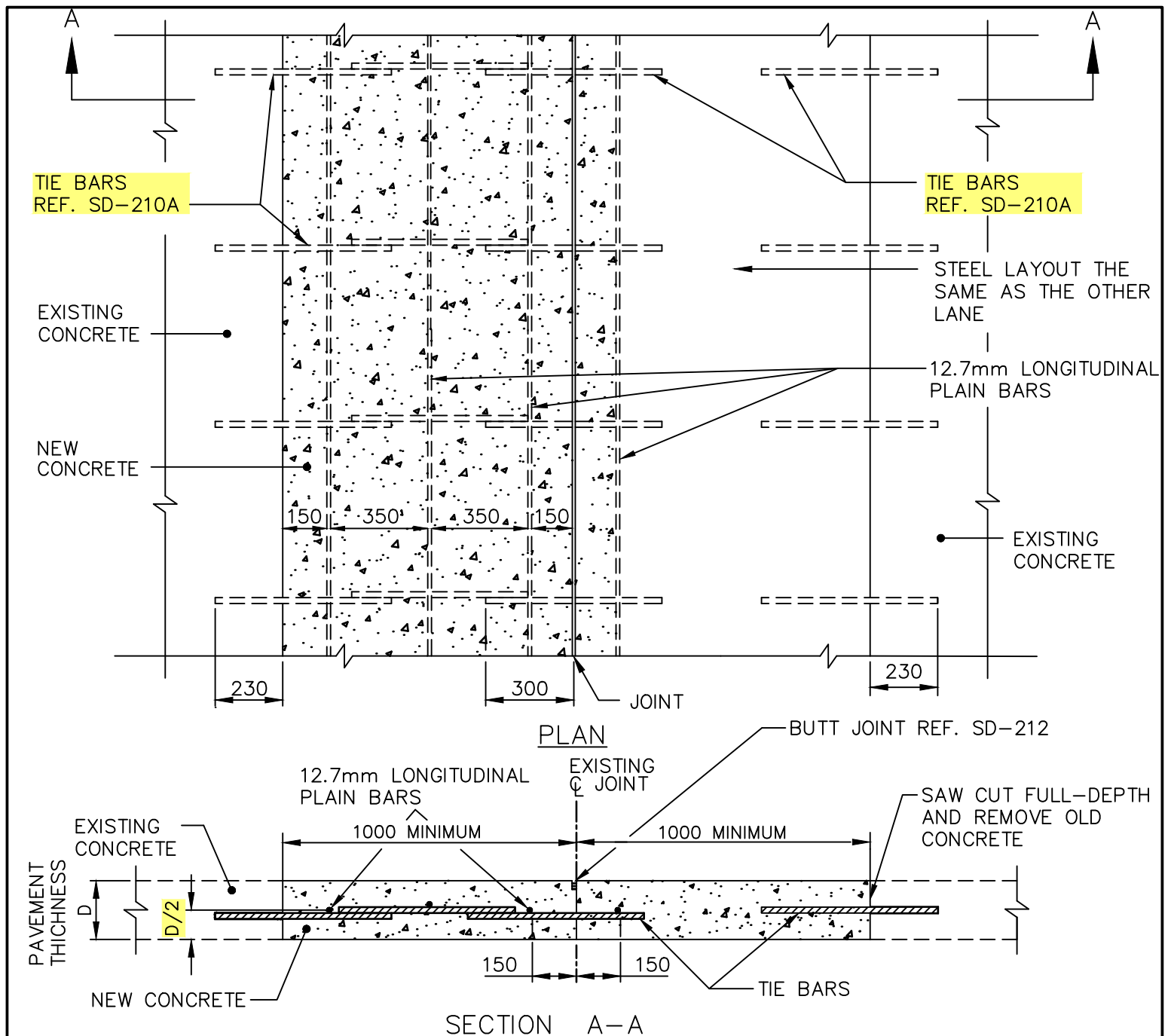
Checked By:
B.P.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-214A



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

LONGITUDINAL JOINT
REPAIR DETAILS
LANE-AT-A-TIME PATCH

Revisions

No.	Date	Description	By
1.	OCT 24	TIE BAR DETAILS AND LOCATION	A.G.

Designed By:
L.S.W.L.

Drawn By:
R.B.

Scale :
N.T.S.

Checked By:
B.P.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-214B

TIE BARS
REF. SD-210A

EXISTING
CONCRETE

NEW CONCRETE

LONGITUDINAL
JOINT

12.7mm
LONGITUDINAL
PLAIN BARS

EXISTING
CONCRETE

A
↑

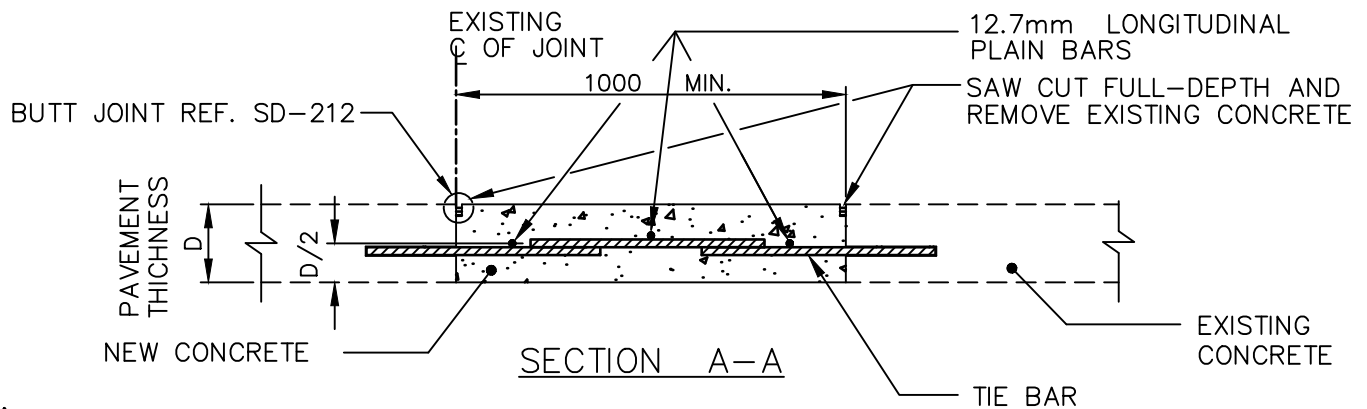
A
↑

150 350 350 150

230

230

PLAN



NOTE:

1. IF JOINT REPAIR IS GREATER THAN 1000 WIDE ON EITHER SIDE OF THE JOINT, USE ADDITIONAL 12.7mm LONGITUDINAL PLAIN BARS AT 450 O.C. OR USE BAR MAT REF. SD-217.
2. INSTALL DOWELS AT PATCH ENDS, REF. SD-213B.

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

No.	Date	Description	By
3.	OCT 24	TIE BAR DETAILS	A.G.
2.	FEB 04	GENERAL REVISION	J.G.
1.	JAN 03	GENERAL REVISION	L.W.B.

LONGITUDINAL JOINT PATCH DETAILS
ONE SIDE ONLY

Designed By:
L.S.W.L.

Drawn By:
R.B.

Scale :
N.T.S.

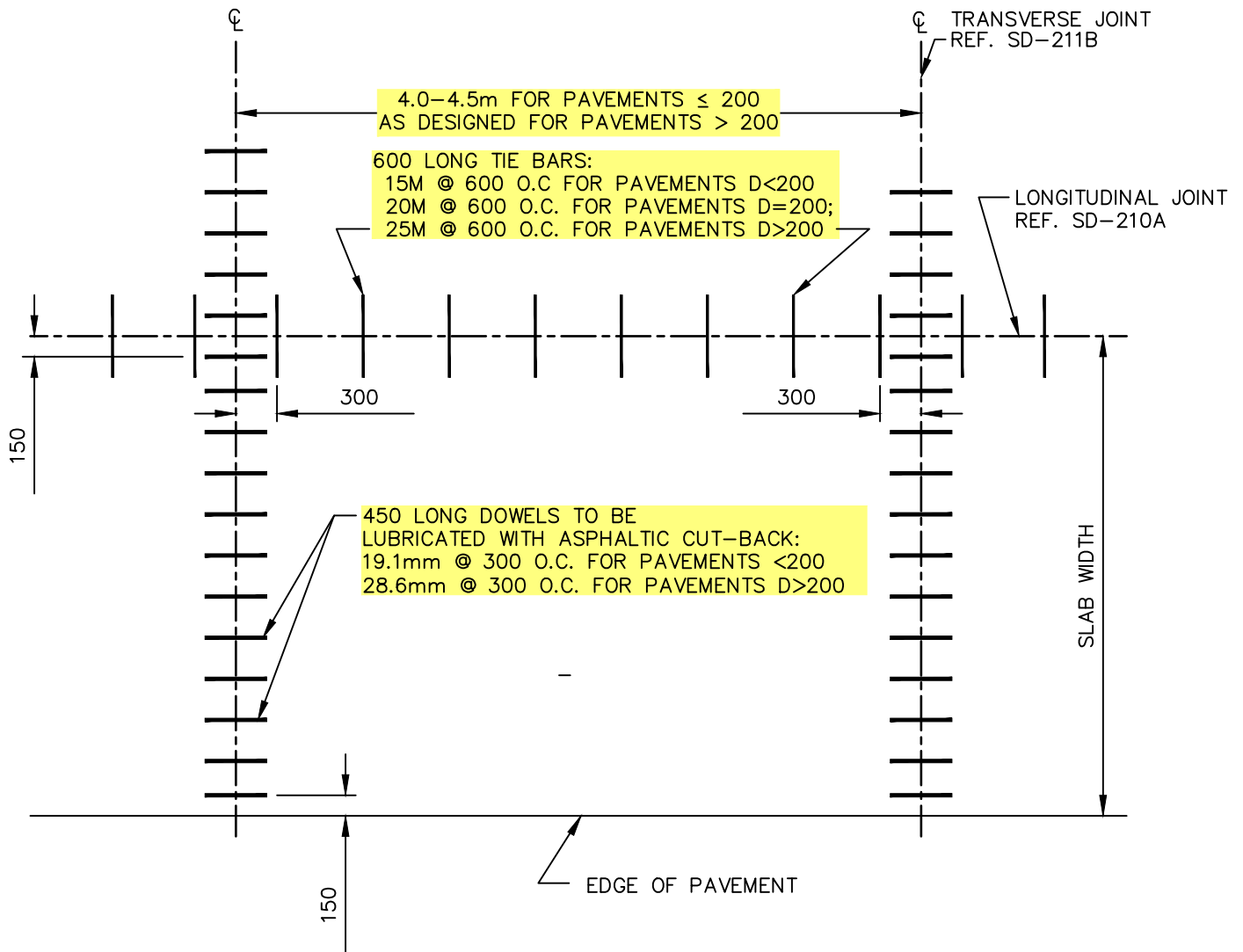
Checked By:
B.P.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-214C



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

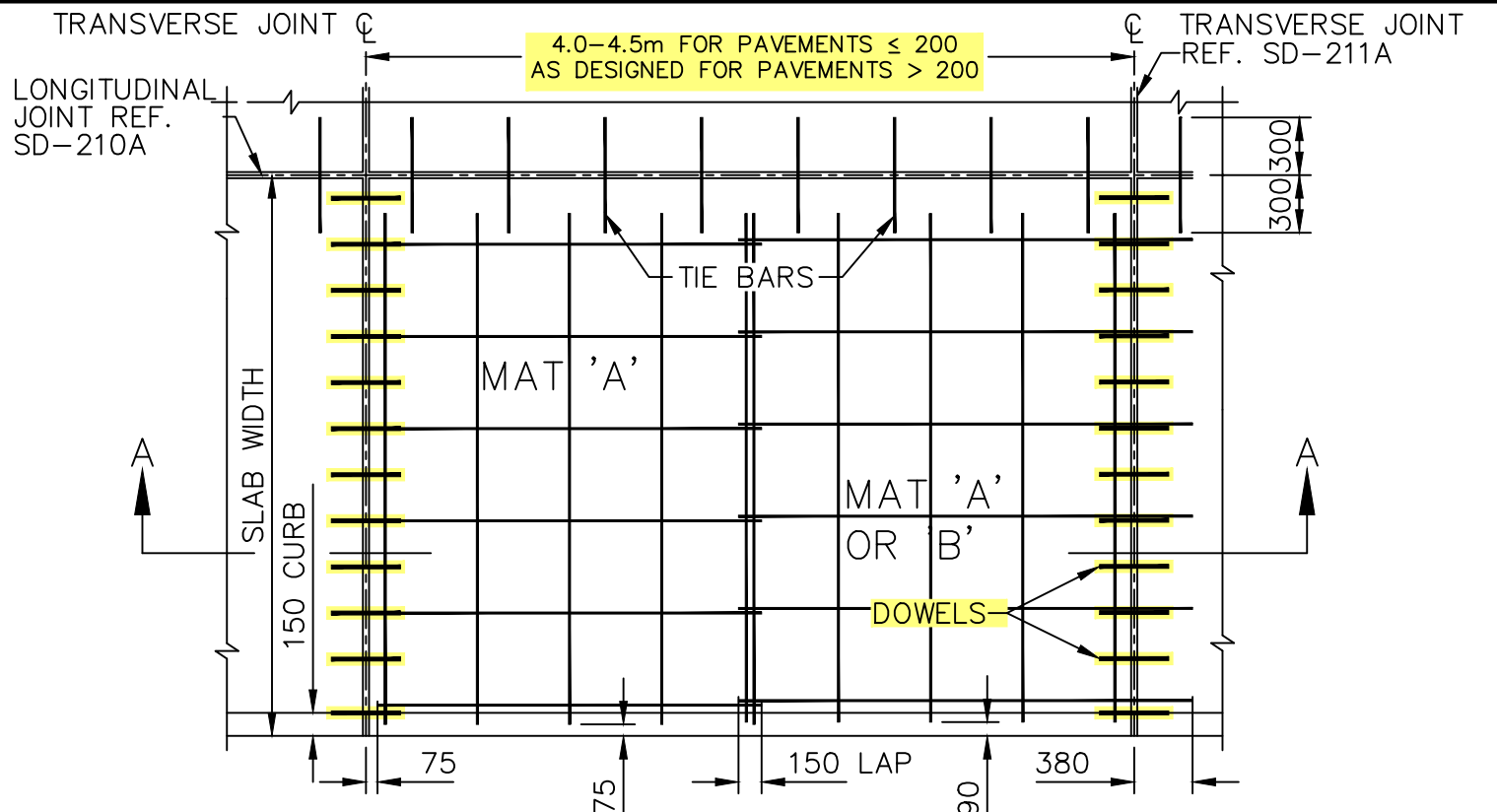
Reference Spec. No.
CW 3230, CW 3310

LOAD TRANSFER DEVICE FOR
PLAIN DOWELLED CONCRETE
PAVEMENT

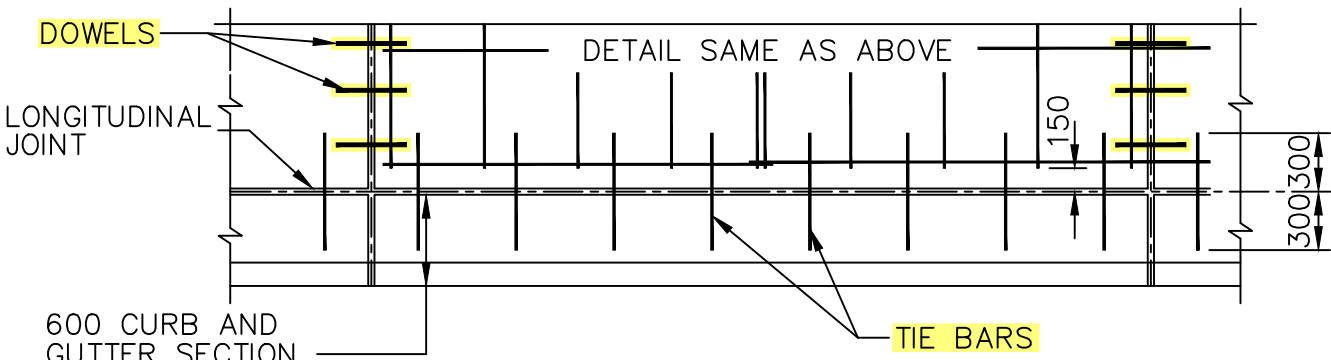
Revisions

No.	Date	Description	By
2.	OCT 24	TIE BAR AND DOWEL DETAILS	R.B.
1.	DEC 31	GENERAL REVISION	A.R.

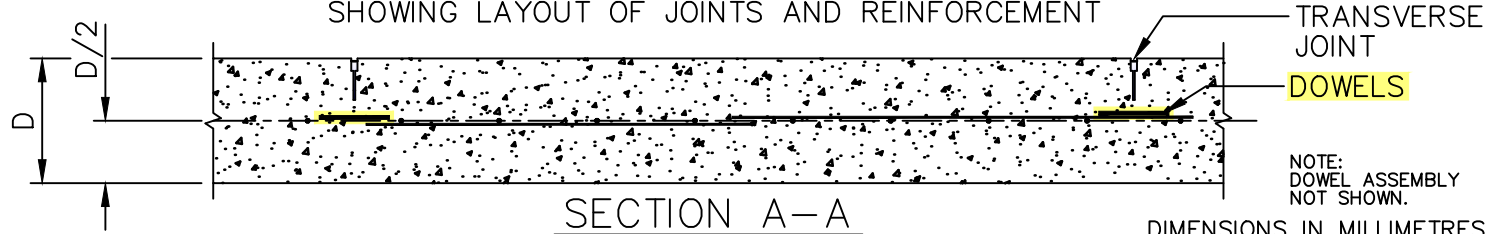
Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No. SD-215
Approved: PAVEMENT MANAGEMENT BRANCH		



PART PLAN OF PAVEMENT WITH CURB
SHOWING LAYOUT OF JOINTS AND REINFORCEMENT



PART PLAN OF PAVEMENT WITH CURB AND GUTTER
SHOWING LAYOUT OF JOINTS AND REINFORCEMENT



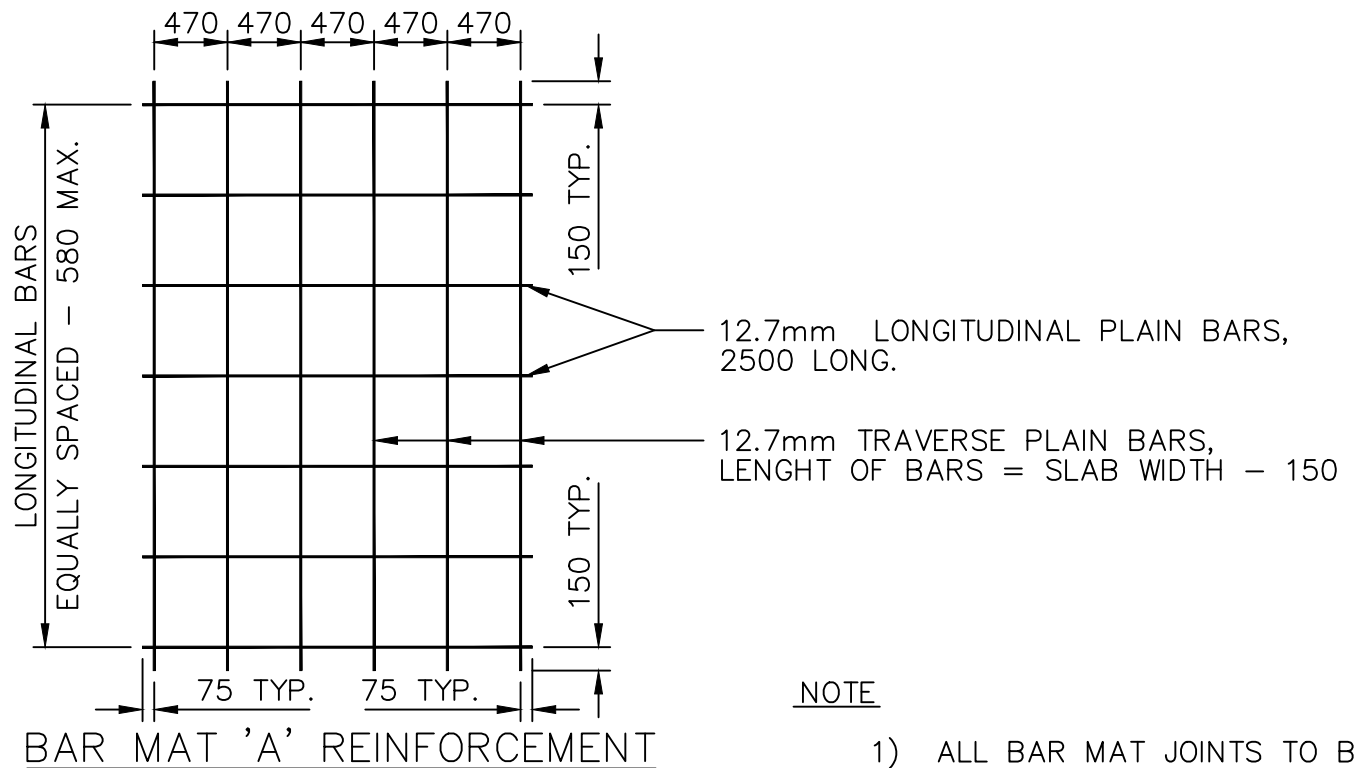
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

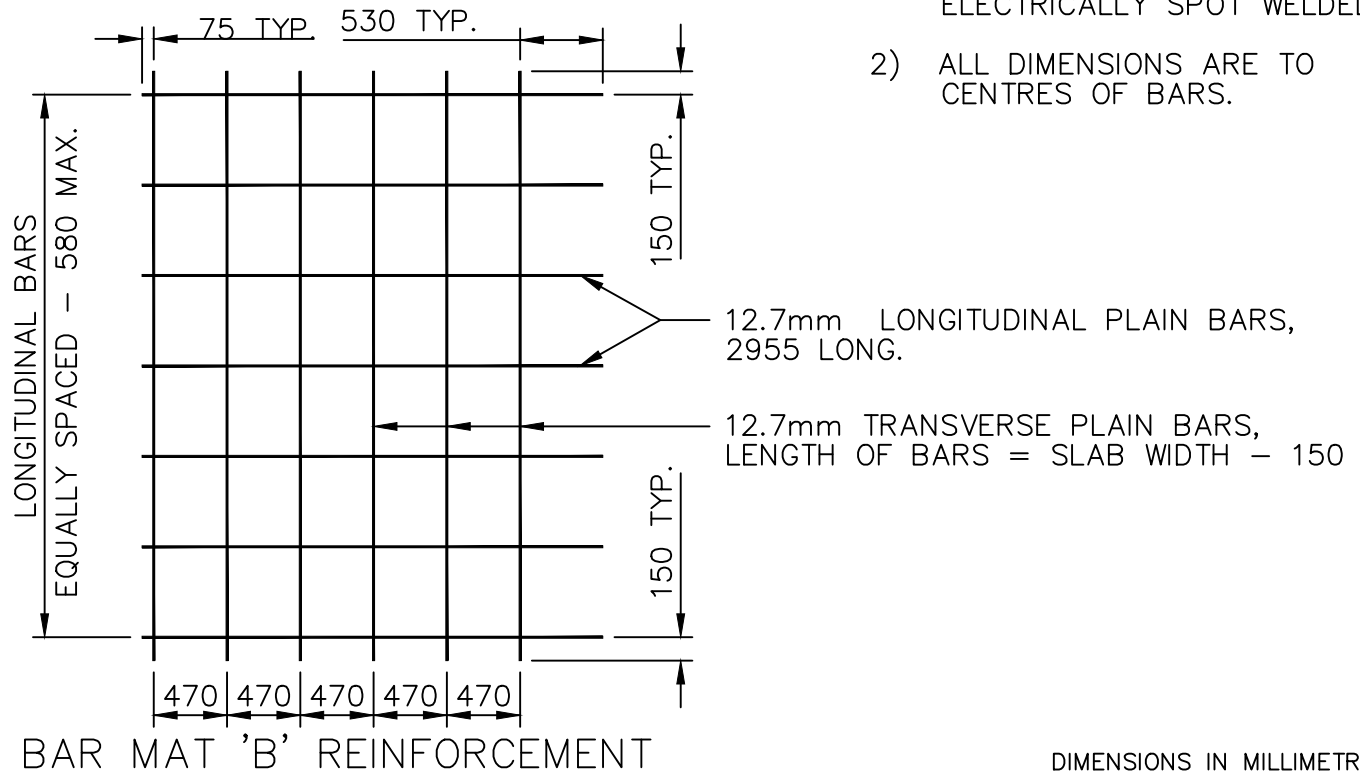
Revisions			
1.	OCT 24	ADDED DOWELS	R.B.
1.	JAN 03	GENERAL REVISION	L.W.B.
No.	Date	Description	By

STEEL REINFORCEMENT FOR
REINFORCED CONCRETE
PAVEMENT

Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-216



- 1) ALL BAR MAT JOINTS TO BE ELECTRICALLY SPOT WELDED.
- 2) ALL DIMENSIONS ARE TO CENTRES OF BARS.



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

No.	Date	Description	By
2.	OCT 24	GENERAL REVISION	A.G.
1.	JAN 01	GENERAL REVISION	A.R.

LAYOUT FOR TYPE "A" AND "B"
BAR MAT REINFORCEMENT

Designed By:
B.P.

Drawn By:
R.B

Scale :
N.T.S.

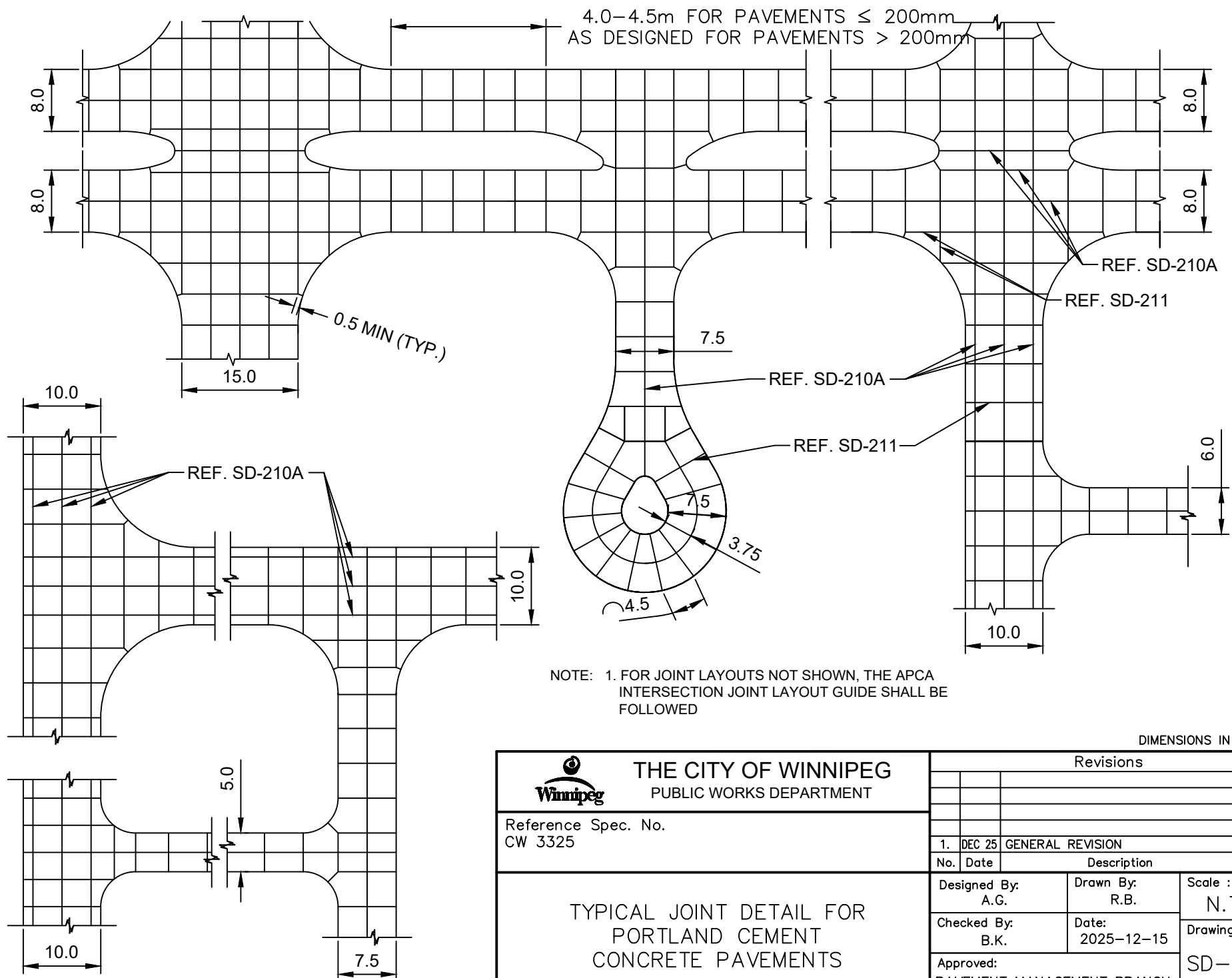
Checked By:
D.R.K.

Date:
2025-12-15

Drawing No.

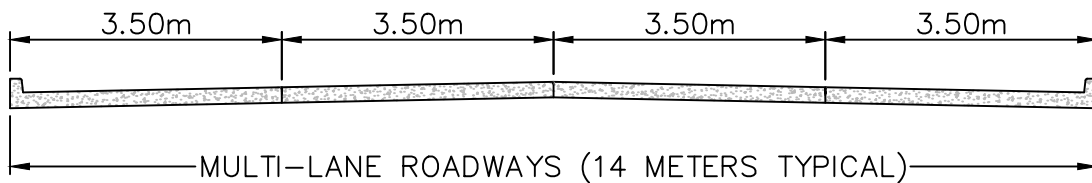
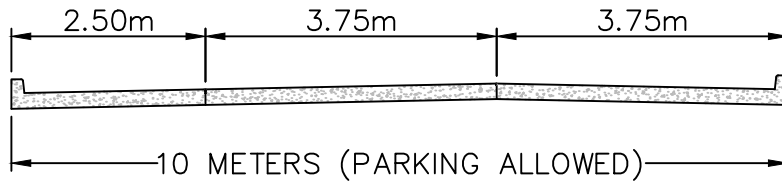
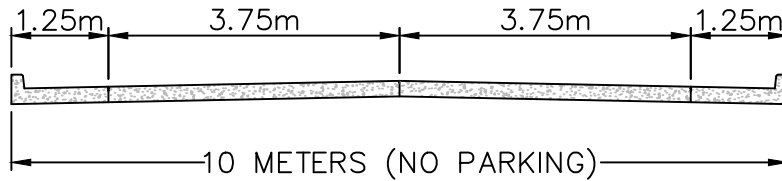
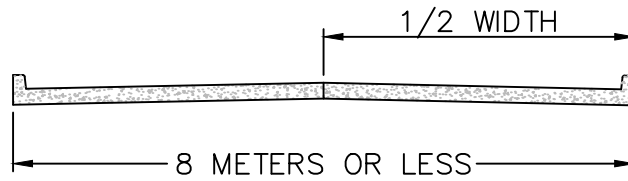
Approved:
PAVEMENT MANAGEMENT BRANCH

SD-217



DIMENSIONS IN METRES

THE CITY OF WINNIPEG		Revisions		
PUBLIC WORKS DEPARTMENT				
Reference Spec. No. CW 3325		1. DEC 25	GENERAL REVISION	R.B.
		No. Date	Description	By
TYPICAL JOINT DETAIL FOR PORTLAND CEMENT CONCRETE PAVEMENTS		Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
		Checked By: B.K.	Date: 2025-12-15	Drawing No.
		Approved: PAVEMENT MANAGEMENT BRANCH		SD-218A



DIMENSIONS IN METRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec No.
CW 3310

LOCATION OF LONGITUDINAL JOINTS
IN CONCRETE PAVEMENTS

Revisions

1.	DEC 25	GENERAL REVISION	R.B.
No.	Date	Description	By

Designed By:
L.S.W.Z

Drawn By:
H.N.

Scale :
N.T.S.

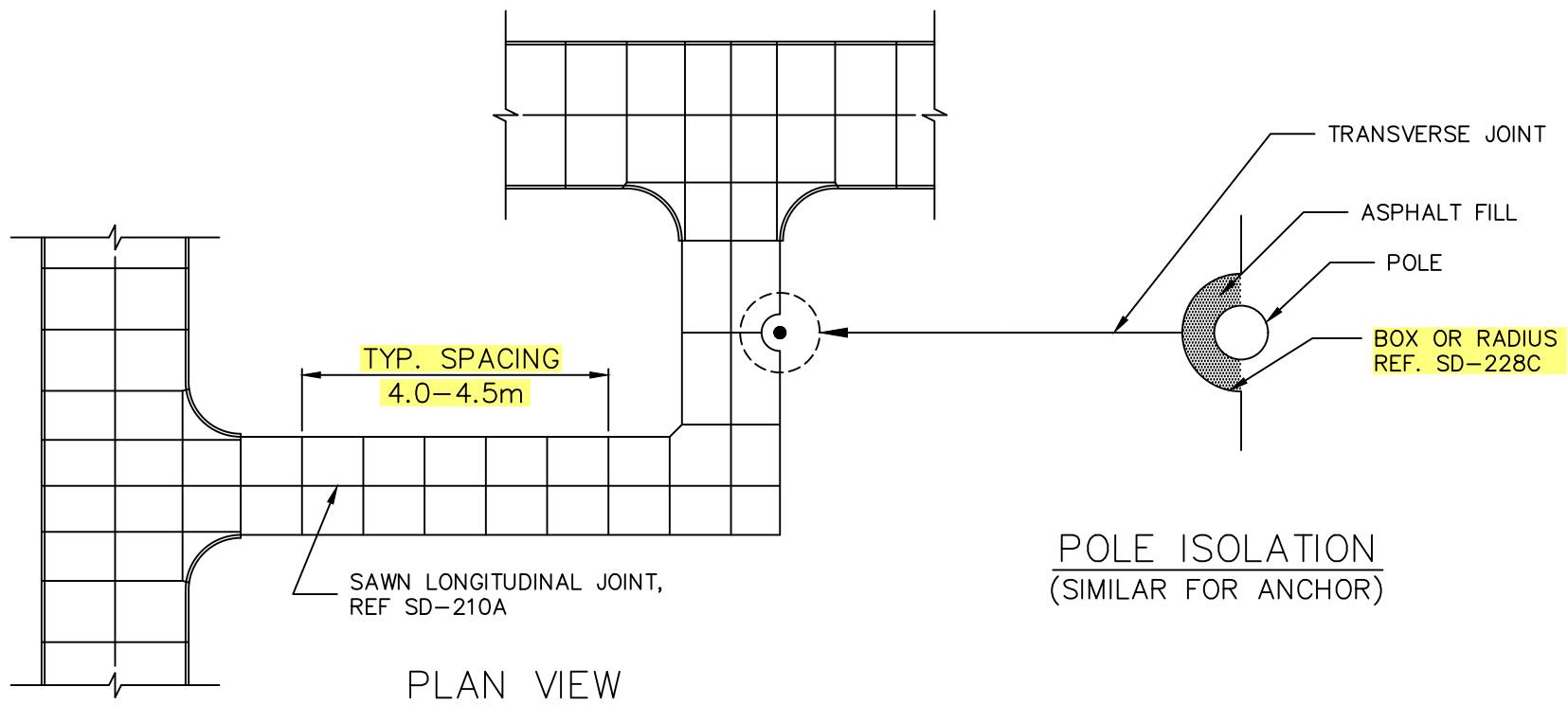
Checked By:
L.S.W.Z

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-218B



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec No.
CW 3230, CW 3310

TYPICAL PUBLIC LANE
DETAILS

Revisions

1.	OCT 24	GENERAL REVISION	R.B.
No.	Date	Description	By

Designed By:
S.L.W.L.

Drawn By:
R.B.

Scale :
N.T.S.

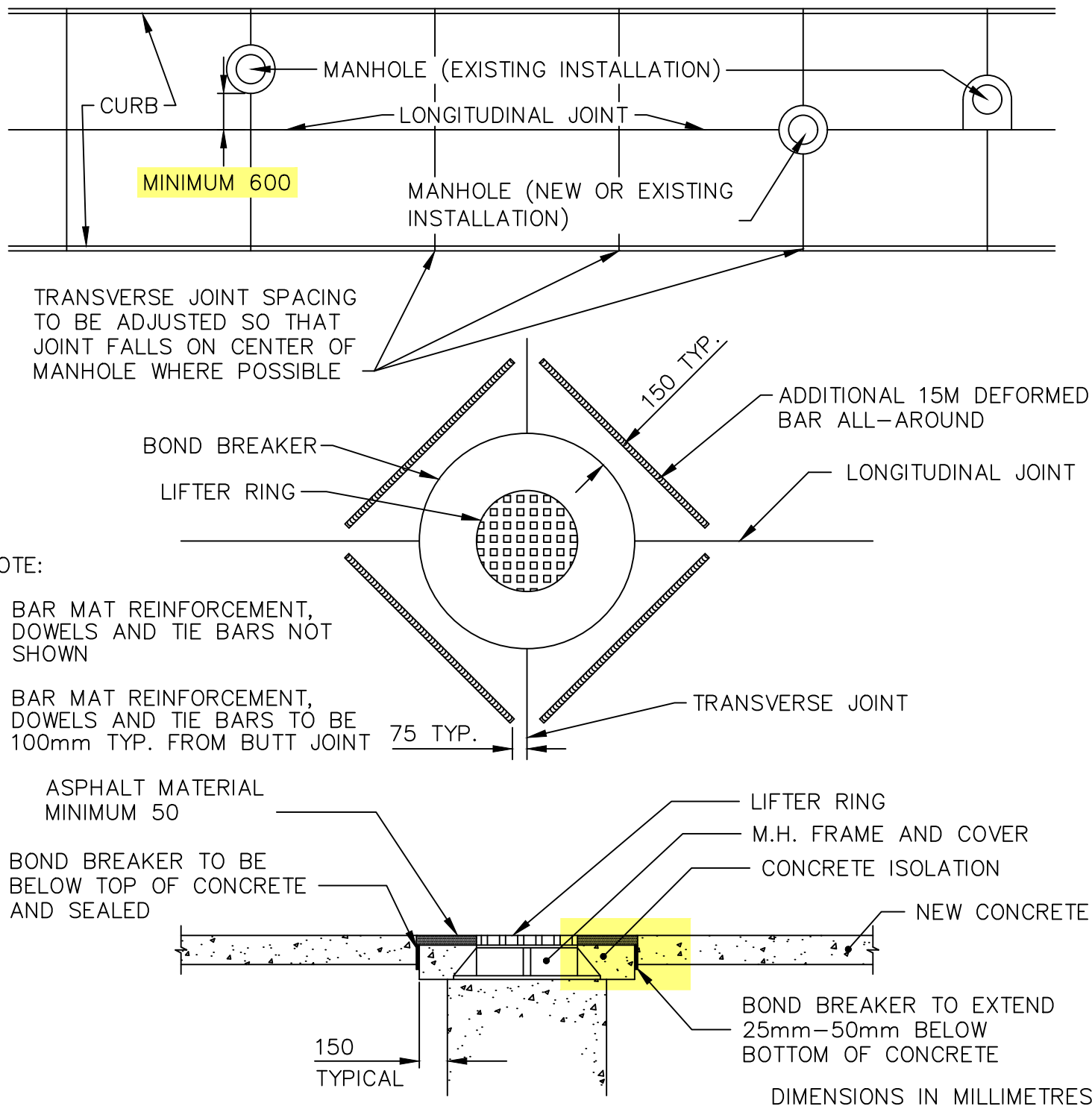
Checked By:
A.G.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-219



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

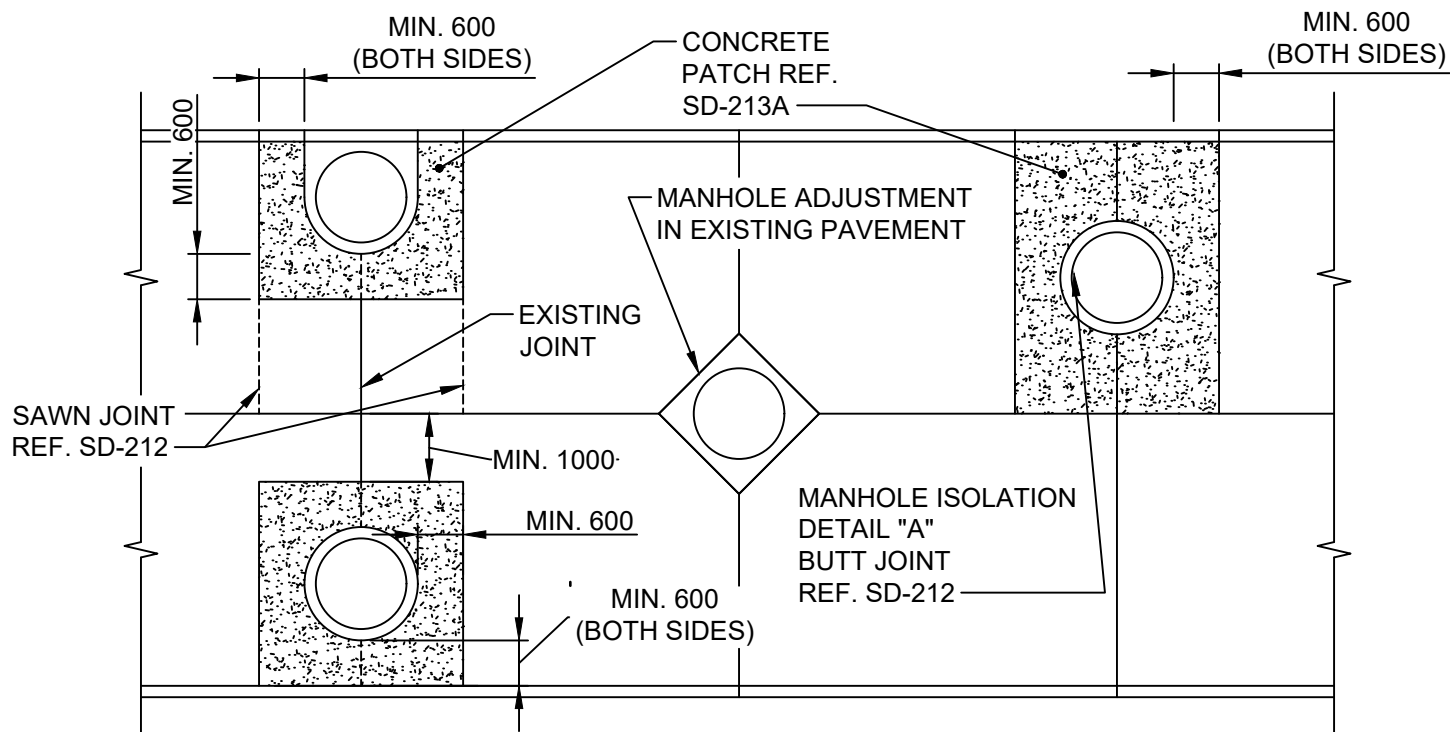
Reference Spec No.
CW 3310

MANHOLE ISOLATION DETAIL FOR CONCRETE PAVEMENTS

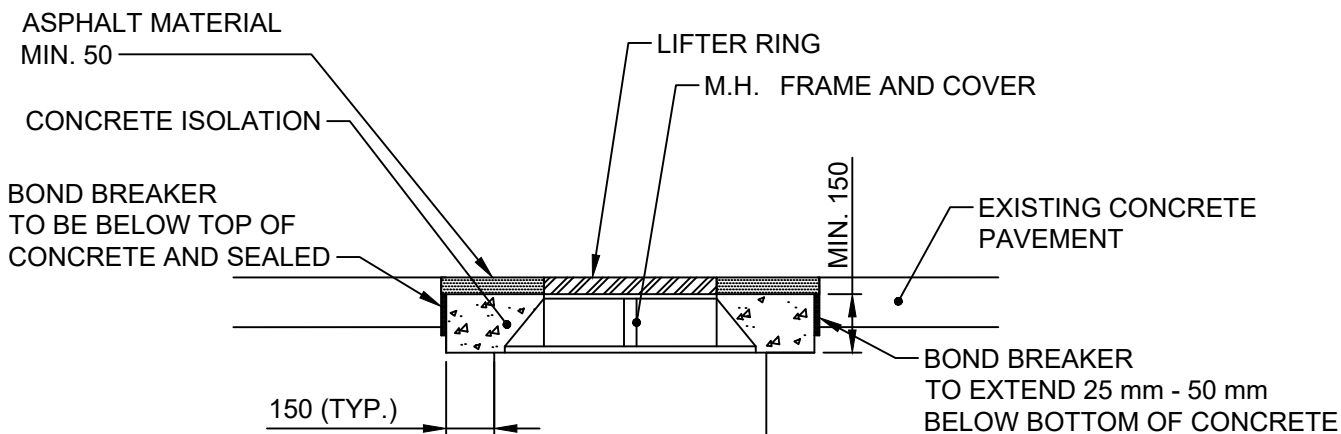
Revisions

No.	Date	Description	By
2.	DEC 25	GENERAL REVISION	A.G.
1.	JAN 03	GENERAL REVISION	L.W.B.

Designed By: L.S.W.L.	Drawn By: R.B.	Scale : N.T.S.
Checked By: D.R.K.	Date: 2025-12-15	Drawing No. SD-220A
Approved: PAVEMENT MANAGEMENT BRANCH		



ISOLATION FOR M.H. ADJUSTMENT OR RESTORATION



DETAIL "A"

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

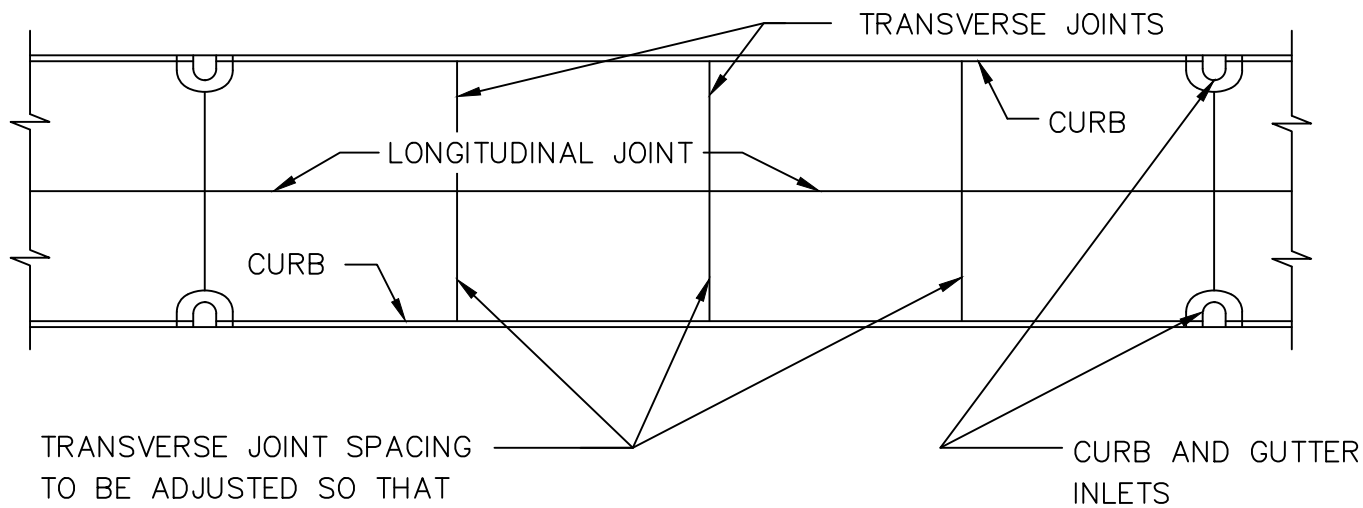
Reference Spec. No.
CW 3210, CW 3230, CW 3310

Revisions

1.	DEC 25	GENERAL REVISION	R.B.
No.	Date	Description	By

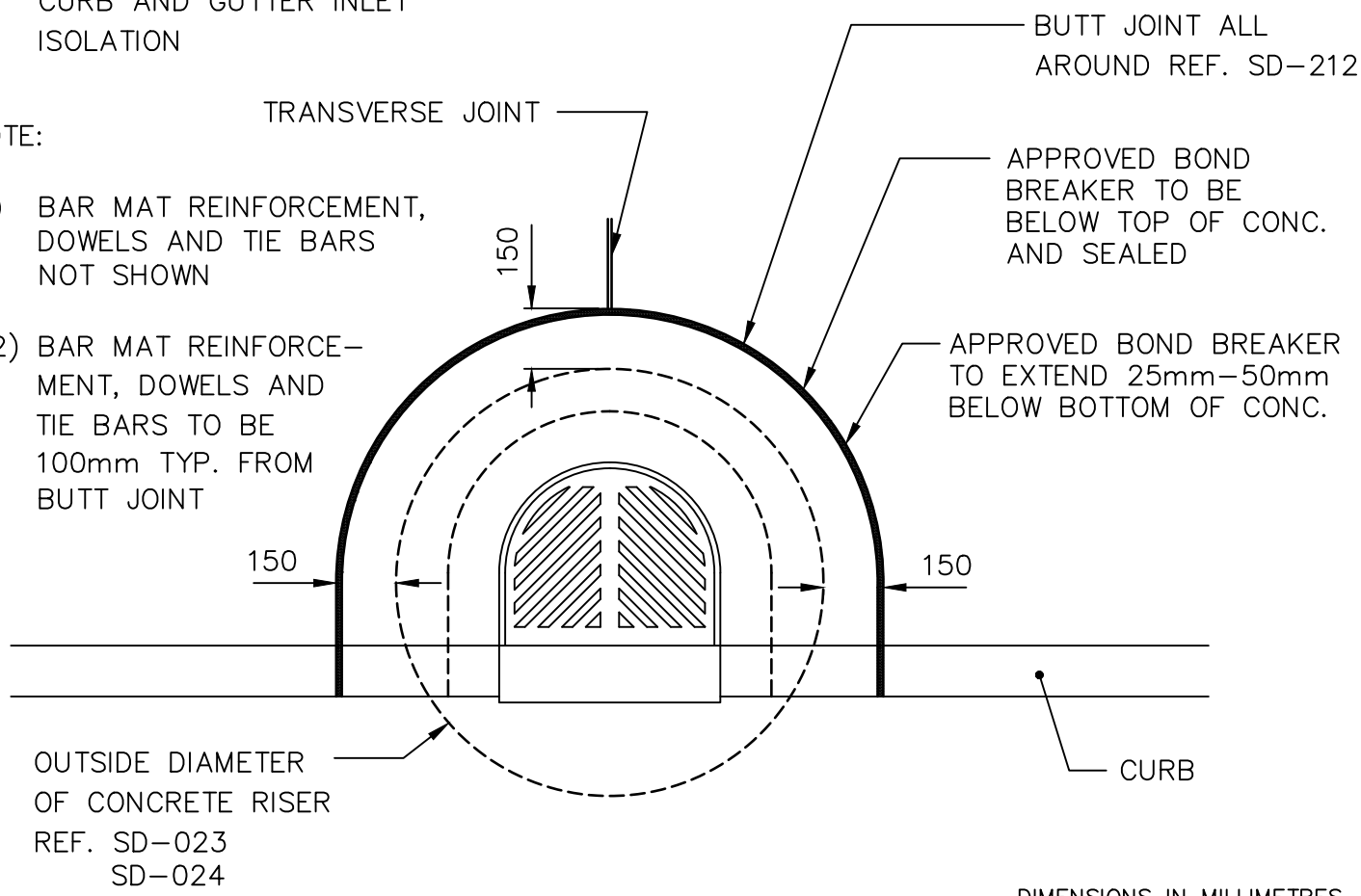
MANHOLE ISOLATION DETAIL
IN EXISTING PAVEMENTS

Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-220B



NOTE:

- 1) BAR MAT REINFORCEMENT, DOWELS AND TIE BARS NOT SHOWN
- 2) BAR MAT REINFORCEMENT, DOWELS AND TIE BARS TO BE 100mm TYP. FROM BUTT JOINT

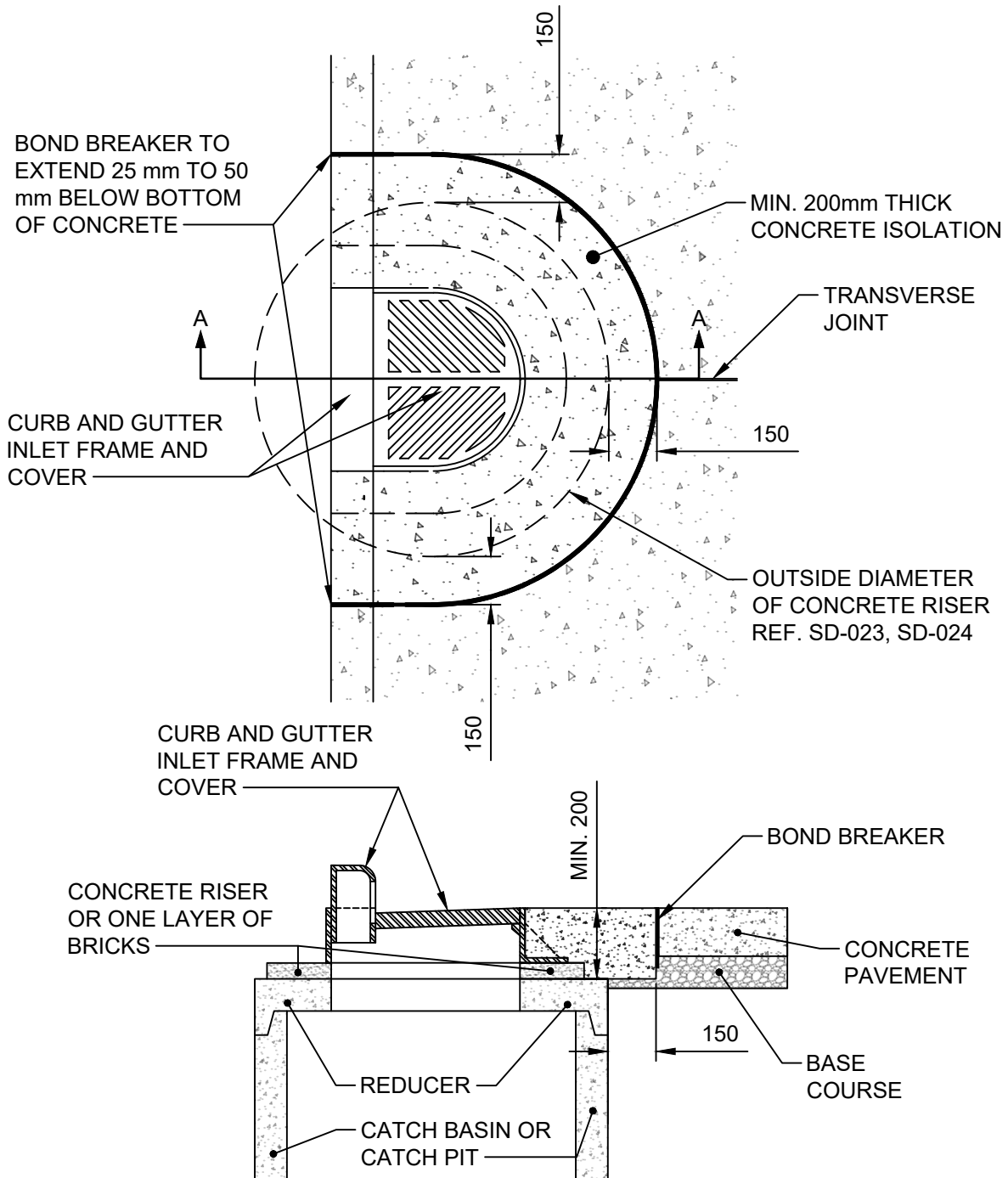


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3210, CW 3230, CW 3310

CURB AND GUTTER INLET
ISOLATION DETAIL

Revisions			
1.	DEC 25	ADDED ROUNDED FRAME	T.K.
No.	Date	Description	By
Designed By:		Drawn By:	Scale :
A.G.		T.K.	N.T.S.
Checked By:		Date:	Drawing No.
B.K.		2025-12-15	SD-220C
Approved:			
PAVEMENT MANAGEMENT BRANCH			



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

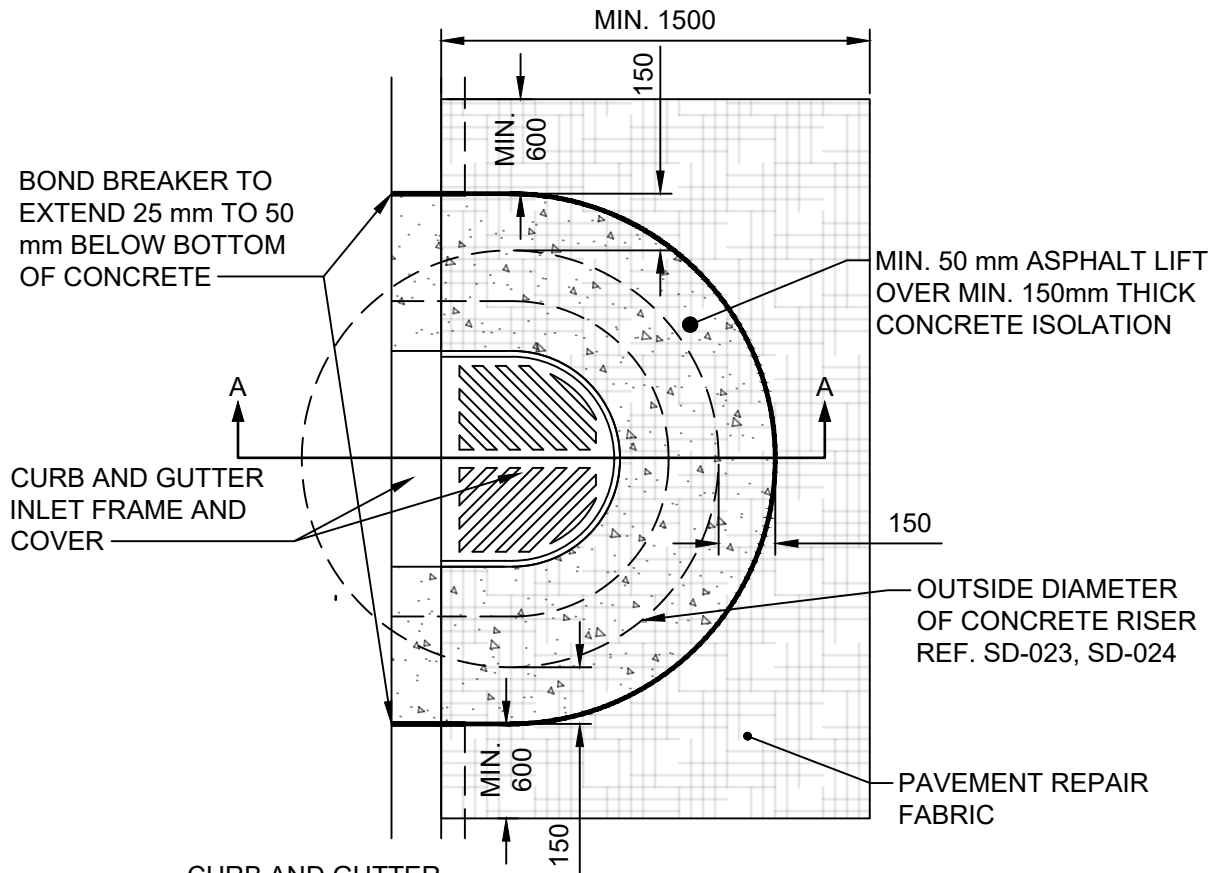
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By
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**BARRIER CURB AND GUTTER
INLET ISOLATION DETAIL FOR
EXPOSED CONCRETE PAVEMENTS**

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-220D

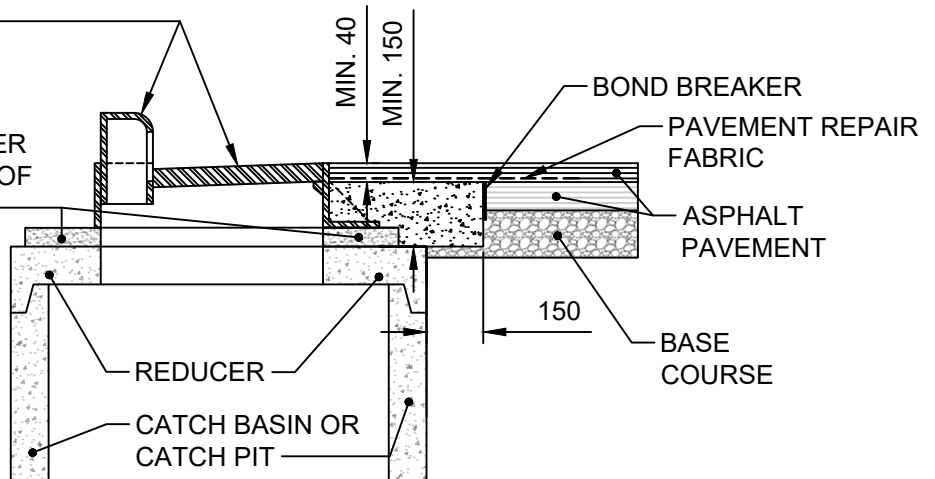


CURB AND GUTTER INLET FRAME AND COVER

CONCRETE RISER OR ONE LAYER OF BRICKS

NOTE:

CURB FOR ASPHALT PAVEMENTS SHALL BE CONSTRUCTED CONTINUOUSLY THROUGH ISOLATION. SAW CUT AND REMOVE CURB FOR ISOLATION.



SECTION A-A

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

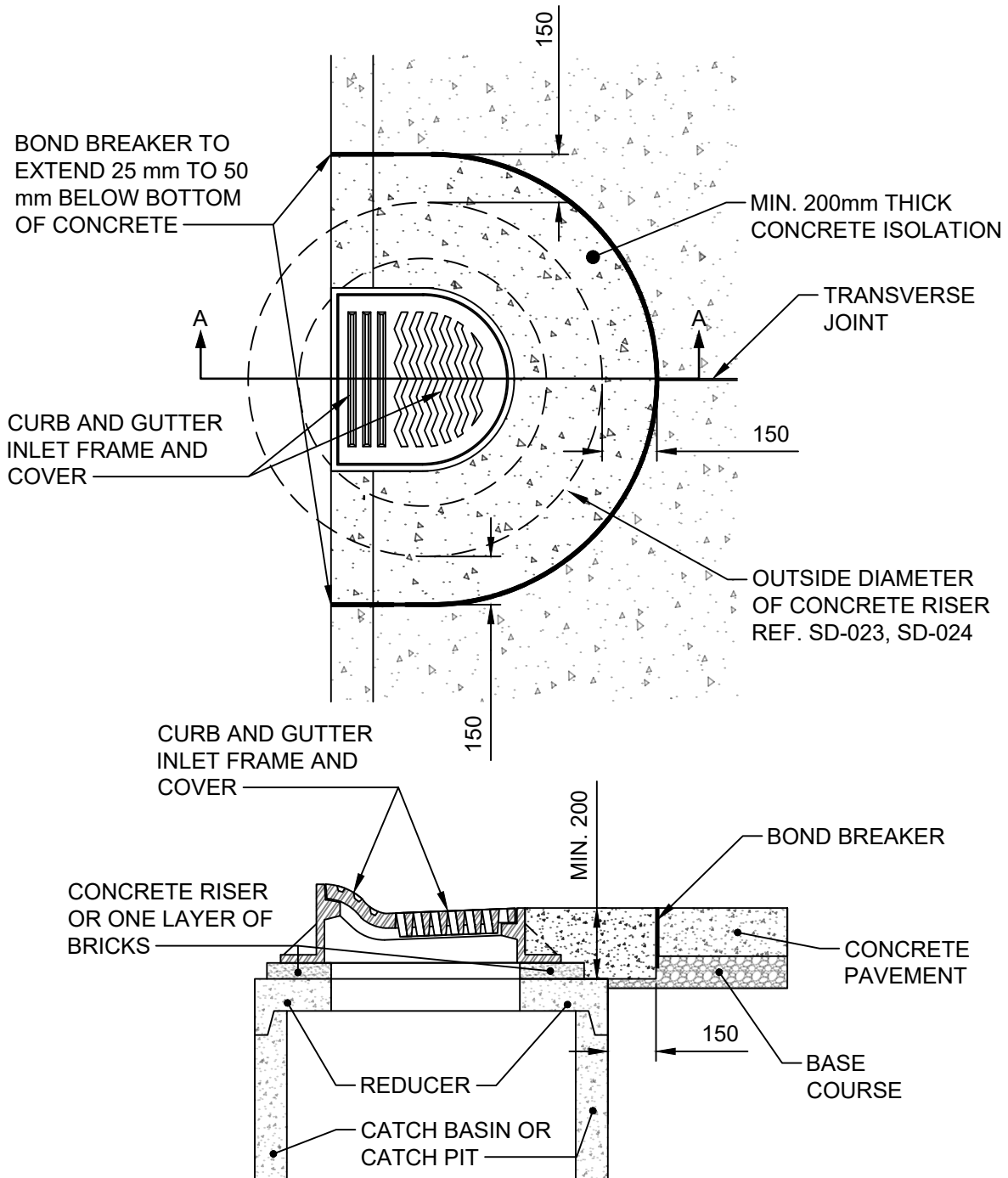
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By
-----	------	-------------	----

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No. SD-220E
Approved: PAVEMENT MANAGEMENT BRANCH		

BARRIER CURB AND GUTTER INLET ISOLATION DETAIL FOR NEW ASPHALT PAVEMENTS



SECTION A-A

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

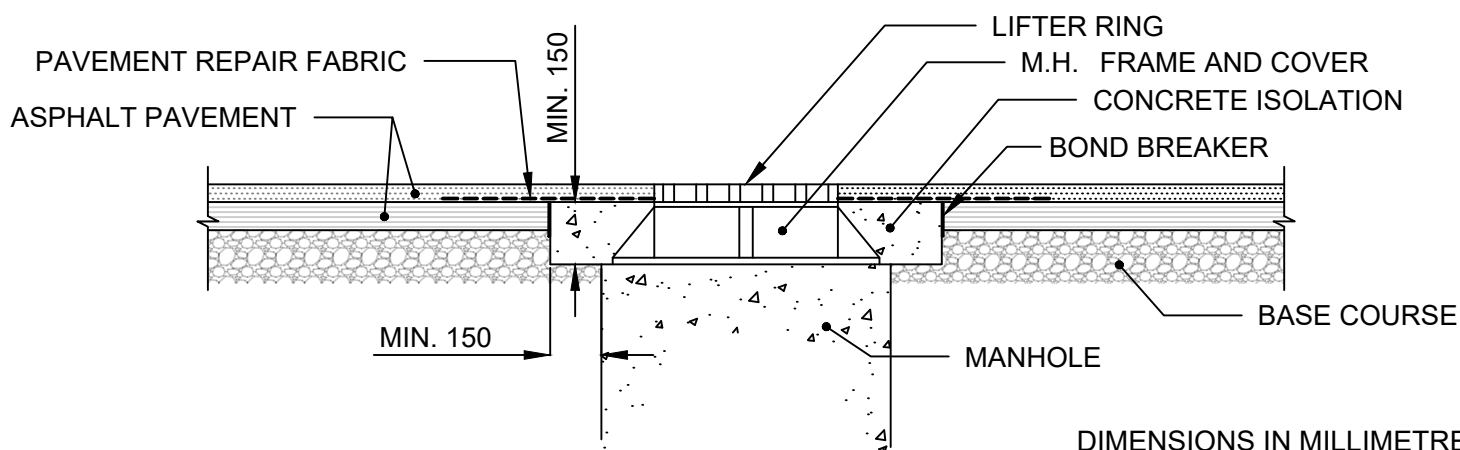
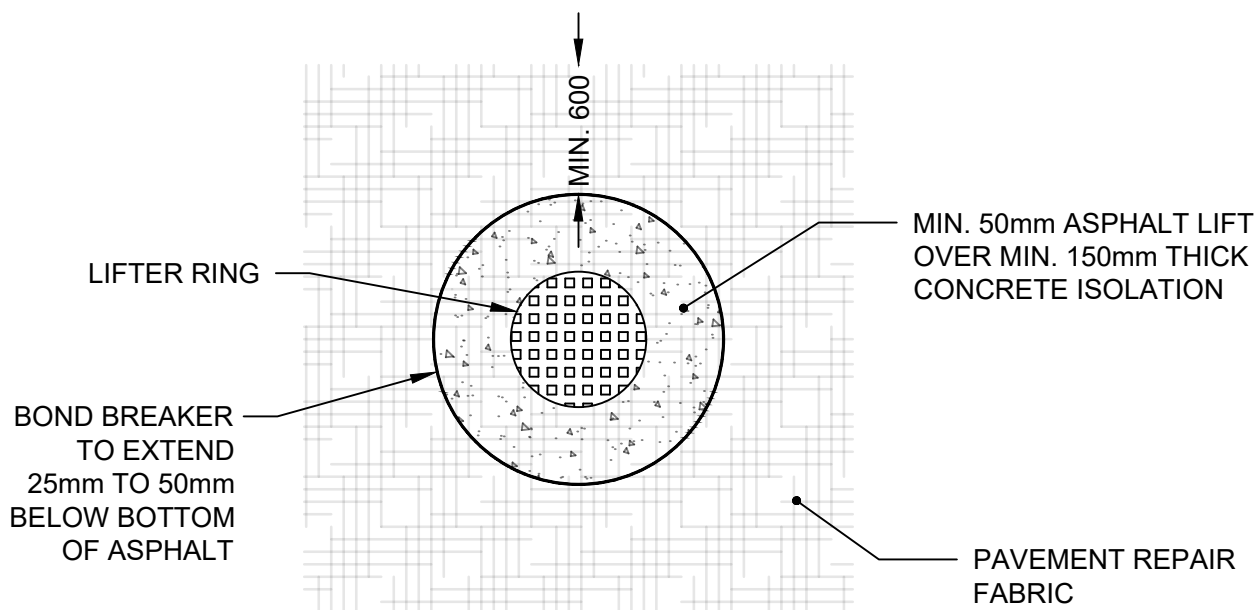
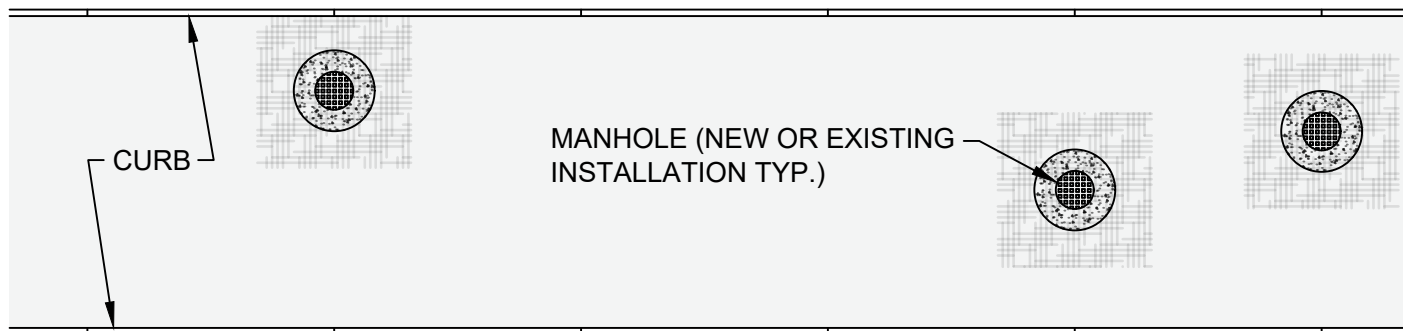
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By
-----	------	-------------	----

Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-220F

LIP CURB AND GUTTER INLET
ISOLATION DETAIL FOR EXPOSED
CONCRETE PAVEMENTS



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec No.
CW 3310

Revisions

No.	Date	Description	By

**MANHOLE ISOLATION
DETAIL FOR ASPHALT
PAVEMENTS**

Designed By:
A.G.

Drawn By:
T.K.

Scale :
N.T.S.

Checked By:
B.K.

Date:
2026-1-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-220G



- 1) IF INLET INTO CATCH BASIN DOES NOT EXIST, BREAK INTO THE WALL OF THE CATCH BASIN TO PROVIDE FOR INLET.
- 2) IF CATCH BASIN IS TOO CLOSE TO CURB TO INSTALL 250mm PIPE, RELOCATE CURB INLET ALONG CURB.

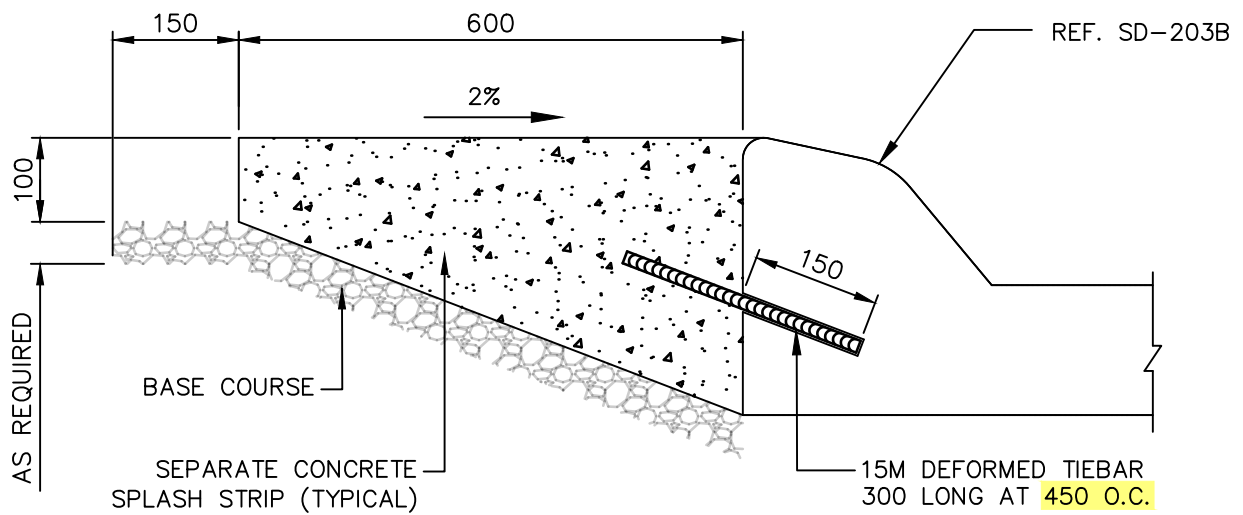
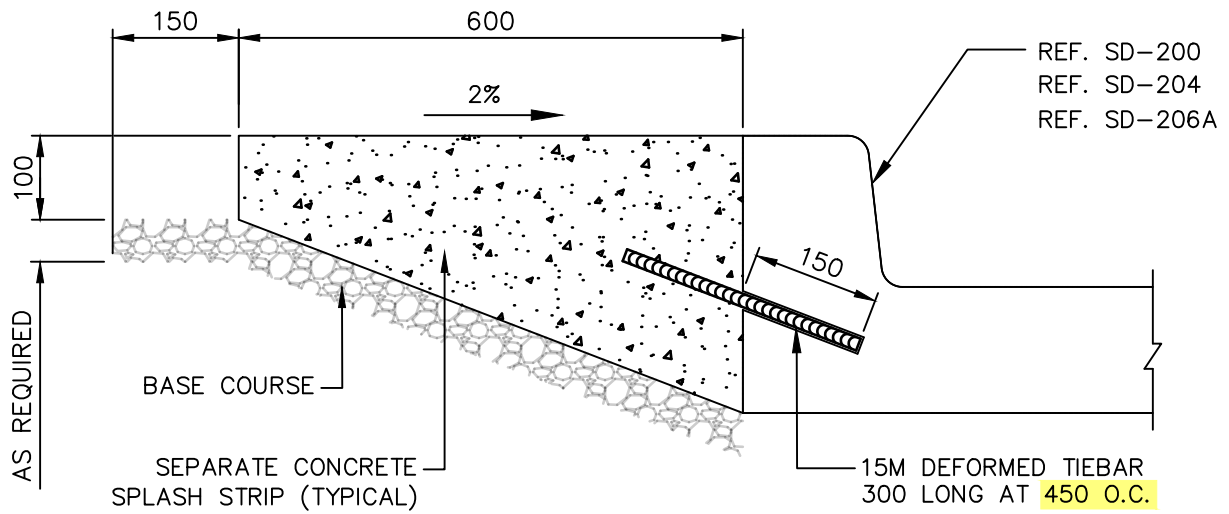
DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3210

Revisions			
1.	JAN 26	GENERAL REVISION	A.G.
No.	Date	Description	By
Designed By: L.S.W.L.		Drawn By: G.F.N.	Scale : N.T.S.
Checked By: L.S.W.L.		Date: 2025-12-15	Drawing No. SD-222
Approved: PAVEMENT MANAGEMENT BRANCH			



DIMENSIONS IN MILLIMETRES

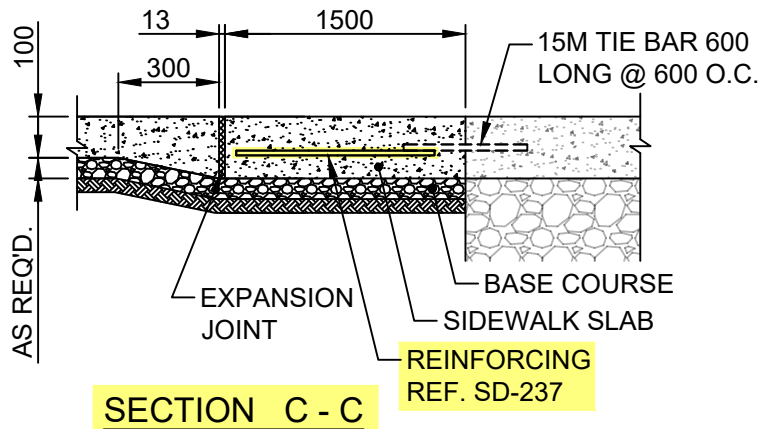
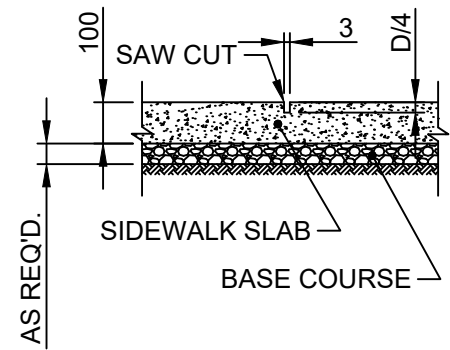
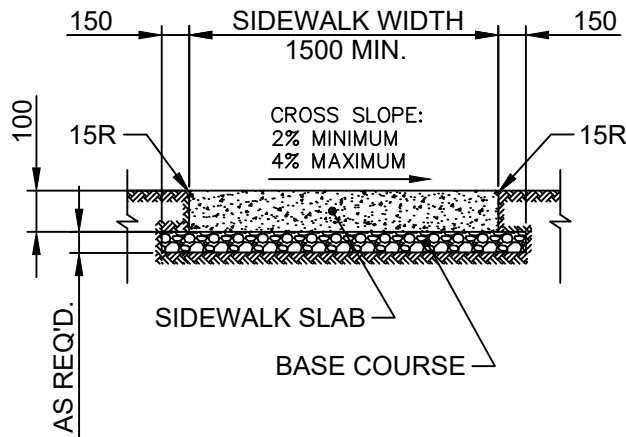
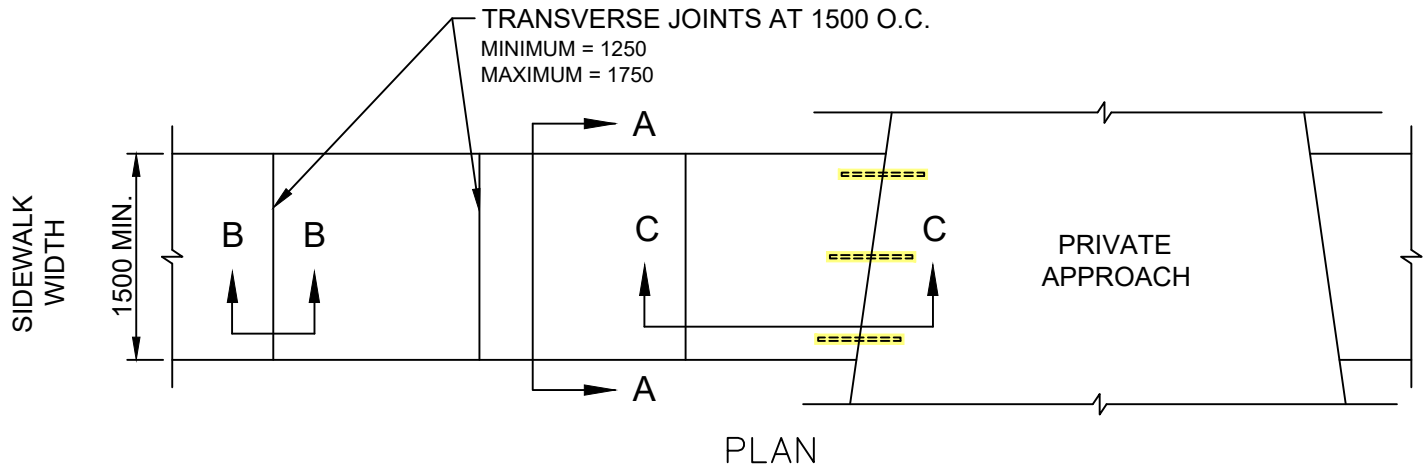


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3310

SEPARATE CONCRETE
SPLASH STRIP

Revisions			
1.	DEC 25	GENERAL REVISION	T.K.
No.	Date	Description	By
Designed By: A.G.		Drawn By: T.K.	Scale : N.T.S.
Checked By: B.K.		Date: 2025-12-15	
Approved: PAVEMENT MANAGEMENT BRANCH			



NOTE:

1. SIDEWALK SLAB SURFACE WILL BE GIVEN A TEXTURED BROOM FINISH. NO EDGER MARKS WILL BE LEFT
2. LONGITUDINAL JOINTS AT 1500 O.C. MAXIMUM
3. FOR PRIVATE APPROACHES WITH CURBS, CURB RAMPS SHALL BE INSTALLED

DIMENSIONS IN MILLIMETRES

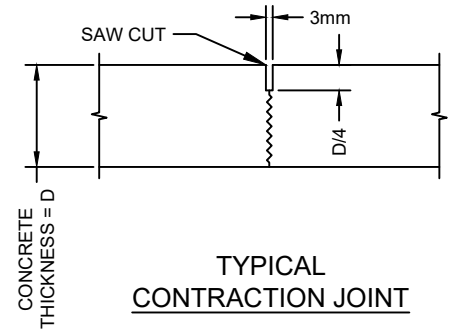
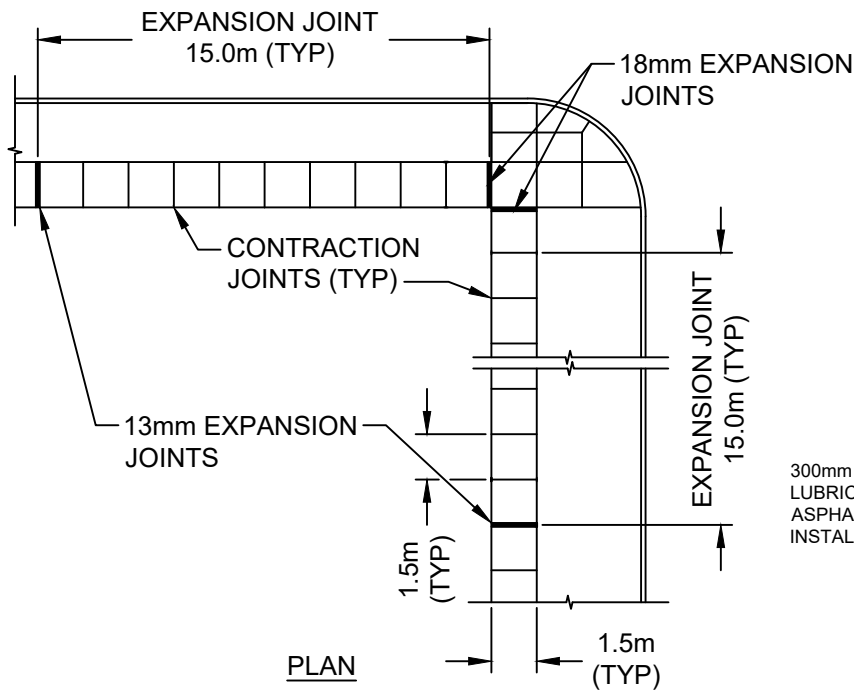


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

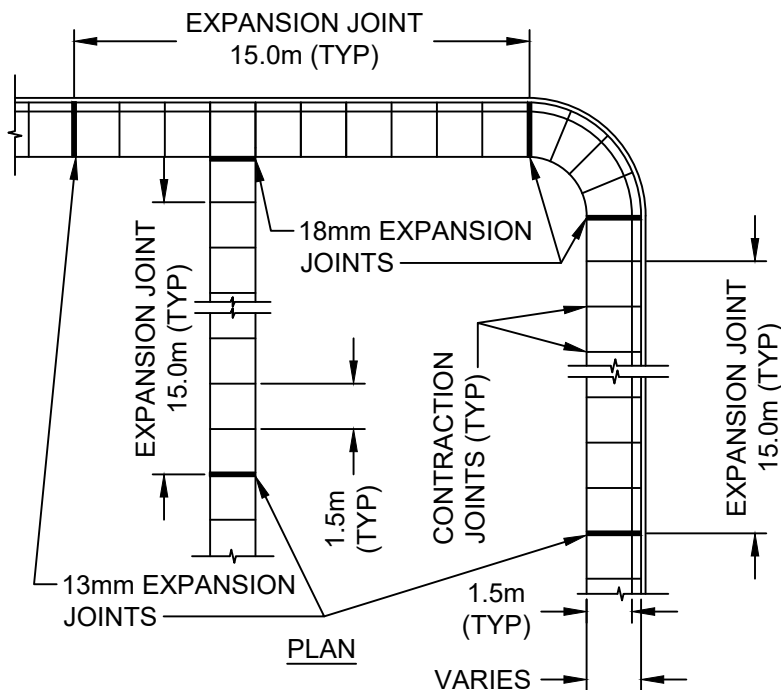
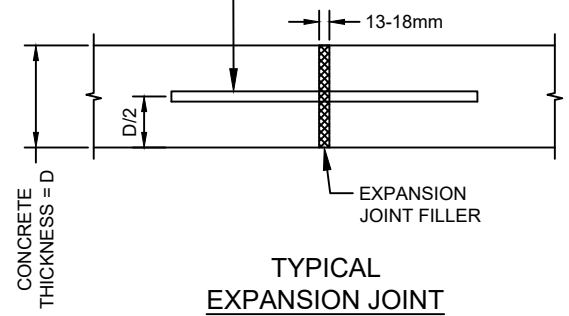
Reference Spec. No.
CW 3235, CW 3310, CW 3325

CONCRETE SIDEWALK

Revisions			
1.	DEC 25	ADDED TIE BARS AND REINFORCING	T.K.
No.	Date	Description	By
Designed By:		Drawn By:	Scale :
A.G.		R.B.	N.T.S.
Checked By:		Date:	Drawing No.
B.K.		2025-12-15	
Approved:			SD-228A
PAVEMENT MANAGEMENT BRANCH			



300mm LONG 10M DOWELS
LUBRICATED WITH
ASPHALTIC CUT-BACK,
INSTALLED 450mm O/C



NOTES:

1. IF SIDEWALK IS CONSTRUCTED DURING COLD WEATHER CONCRETING PERIOD, EXPANSION JOINTS SHALL BE INSTALLED EVERY 12.0m
2. EXPANSION JOINTS SHALL NOT BE INSTALLED WHEN CONSTRUCTING MONOLITHIC CURB AND SIDEWALK
3. EXPANSION JOINTS SHALL BE INSTALLED WHEN INSTALLING SEPARATE CONCRETE SPLASH STRIP
4. WHEN REPLACING HEAVED PANELS IN AN EXISTING SIDEWALK, EXPANSION JOINTS SHALL BE INSTALLED ON BOTH ENDS OF THE REPLACED PANELS
5. DOWELS SHALL BE DRILLED AND EXPANSION JOINT FILLER INSTALLED WHEN TYING INTO EXISTING SIDEWALK



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3325

SIDEWALK EXPANSION JOINTS

Revisions

No.	Date	Description	By
-----	------	-------------	----

Designed By:
A.G.

Drawn By:
R.B.

Scale :
N.T.S.

Checked By:
B.K.

Date:
2025-12-15

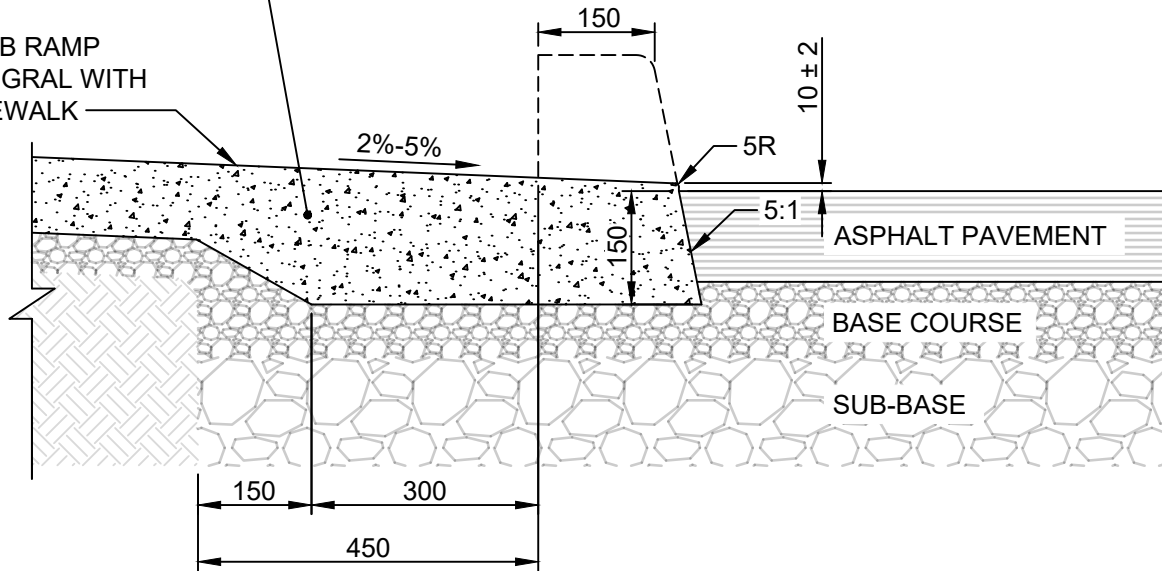
Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-228D

EXISTING OR
PROPOSED SIDEWALK

CURB RAMP
INTEGRAL WITH
SIDEWALK



NOTES:

1. TRANSVERSE SAW CUT EVERY 3m OR AT PAVEMENT JOINTS
2. TRANSVERSE SAW CUTS ARE TO BE A MAXIMUM DEPTH OF 25mm
3. FACE OF CURB SHALL BE SEALED IN ACCORDANCE WITH CW 3250

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

**CURB RAMP FOR
ASPHALT PAVEMENT**

Designed By:
A.G.

Drawn By:
T.K.

Scale :
N.T.S

Checked By:
B.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-229F



SECTION 'A'-'A'

LONGITUDINAL SECTION THROUGH A
TYPICAL PRIVATE APPROACH
WITH A SIDEWALK CROSSING

1. M.H. ISOLATIONS TO BE APPROVED BY CONTRACT ADMINISTRATOR.
2. CONTRACTION JOINT AS REQUIRED TO MATCH STREET TRANSVERSE JOINTS.

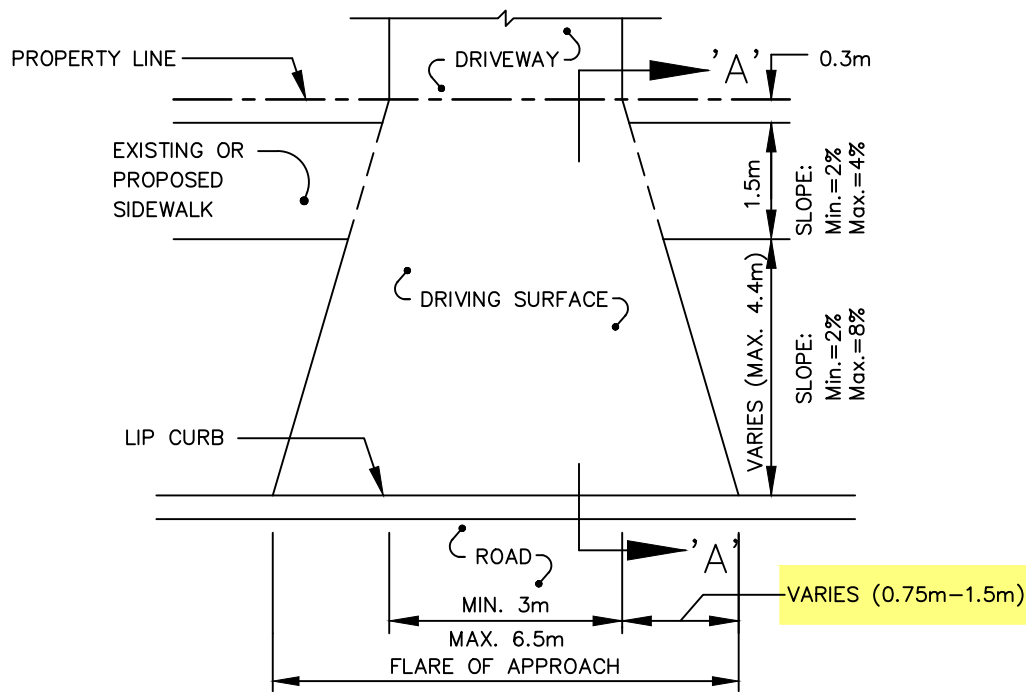


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

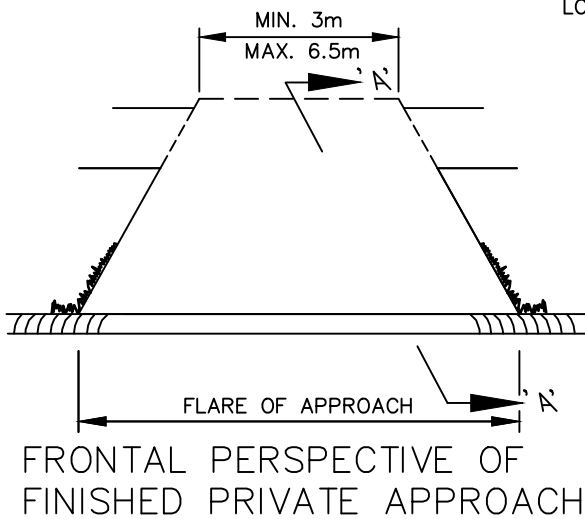
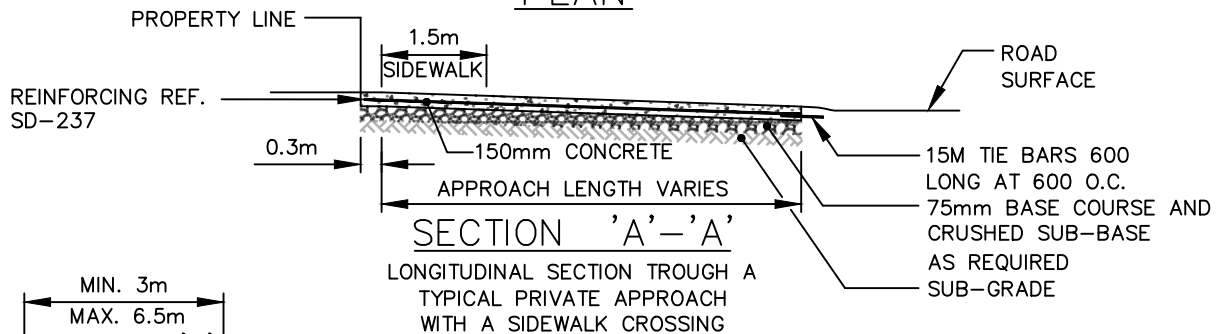
Reference Spec. No.
CW 3230, CW 3240, CW 3310

RESIDENTIAL APPROACH—CONCRETE (WITH EXISTING BARRIER CURB)

Revisions			
1.	DEC 25	CHANGED FLARE TO A RANGE	A.G.
No.	Date	Description	By
Designed By: B.P.		Drawn By: T.G.A.	Scale : N.T.S.
Checked By: B.P.		Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH			SD-235



PLAN



NOTES:

1. APPLICABLE FOR EXISTING LIP CURBS <80mm. IF EXISTING CURB >80mm REF SD-202B.
2. M.H. ISOLATIONS TO BE APPROVED BY CONTRACT ADMINISTRATOR.
3. CONTRACTION JOINTS AS REQUIRED TO MATCH STREET.



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310, CW 3240

RESIDENTIAL APPROACH-CONCRETE
(WITH EXISTING LIP CURB)

Revisions

1.	DEC 25	CHANGED FLARE TO A RANGE	A.G.
No.	Date	Description	By

Designed By:
D.P.

Drawn By:
T.K.

Scale :
N.T.S.

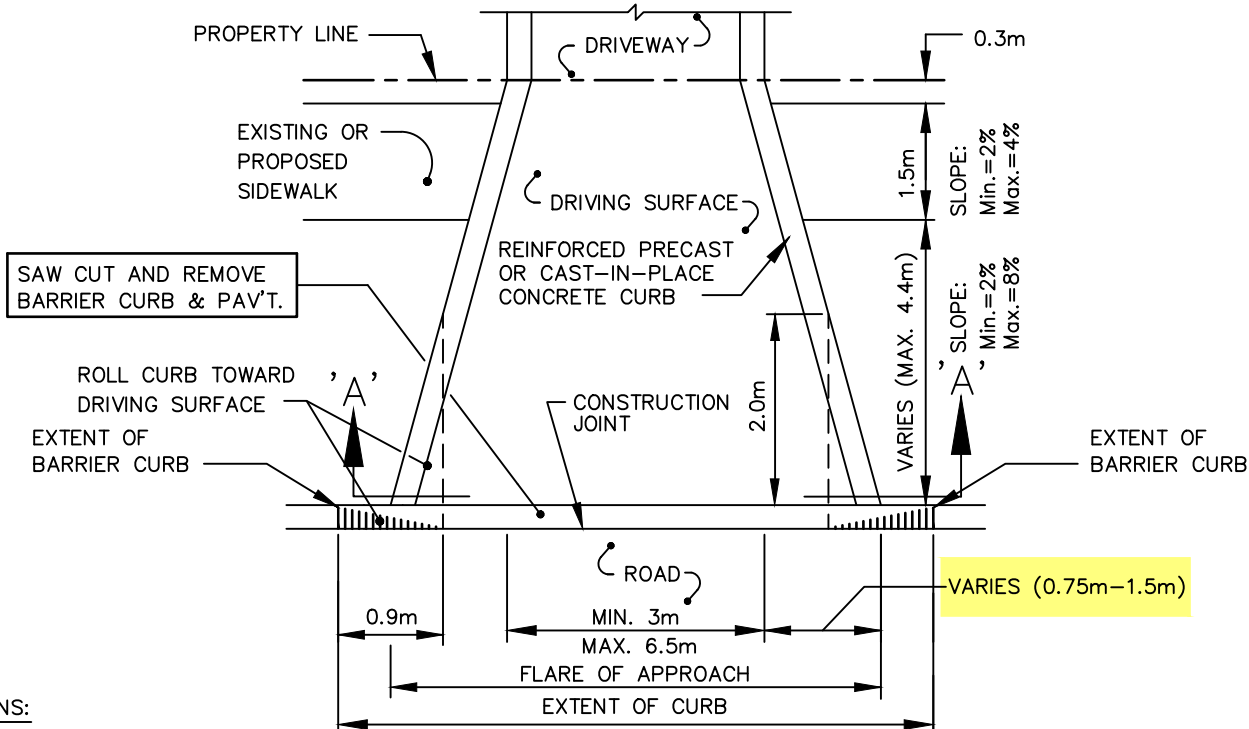
Checked By:
B.P.

Date:
2025-12-15

Drawing No.

Approved:
SURFACE WORKS COMMITTEE

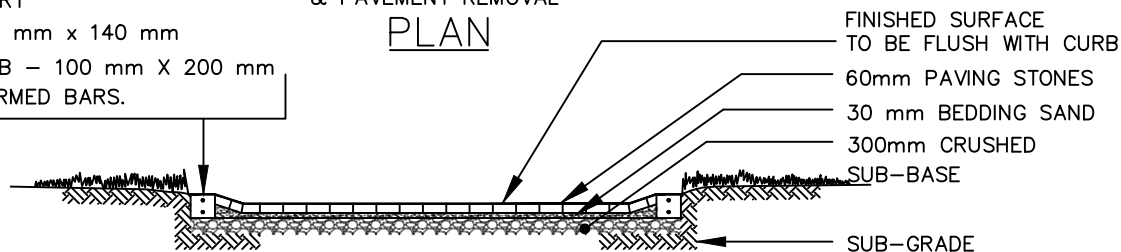
SD-236



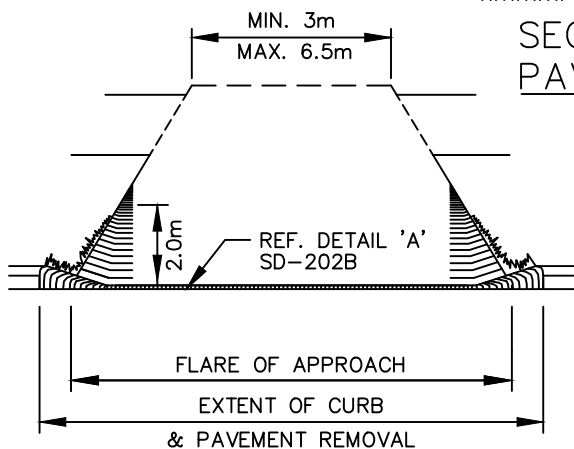
OPTIONS:

1. PLASTIC EDGE SUPPORT
2. PRECAST CURB – 65 mm x 140 mm
3. CAST-IN-PLACE CURB – 100 mm X 200 mm WITH TWO 15M DEFORMED BARS.

PLAN



SECTION 'A'-'A' FOR PAVING STONE APPROACH



FRONTAL PERSPECTIVE OF FINISHED PRIVATE APPROACH

NOTES:

1. M.H. ISOLATIONS TO BE APPROVED BY CONTRACT ADMINISTRATOR.



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3240, CW 3310, CW 3330

RESIDENTIAL APPROACH-PAVING STONE
(WITH EXISTING BARRIER CURB)

Revisions

No.	Date	Description	By
1.	DEC 25	CHANGED FLARE TO A RANGE	A.G.

Designed By:
A.P.

Drawn By:
T.K.

Scale :
N.T.S.

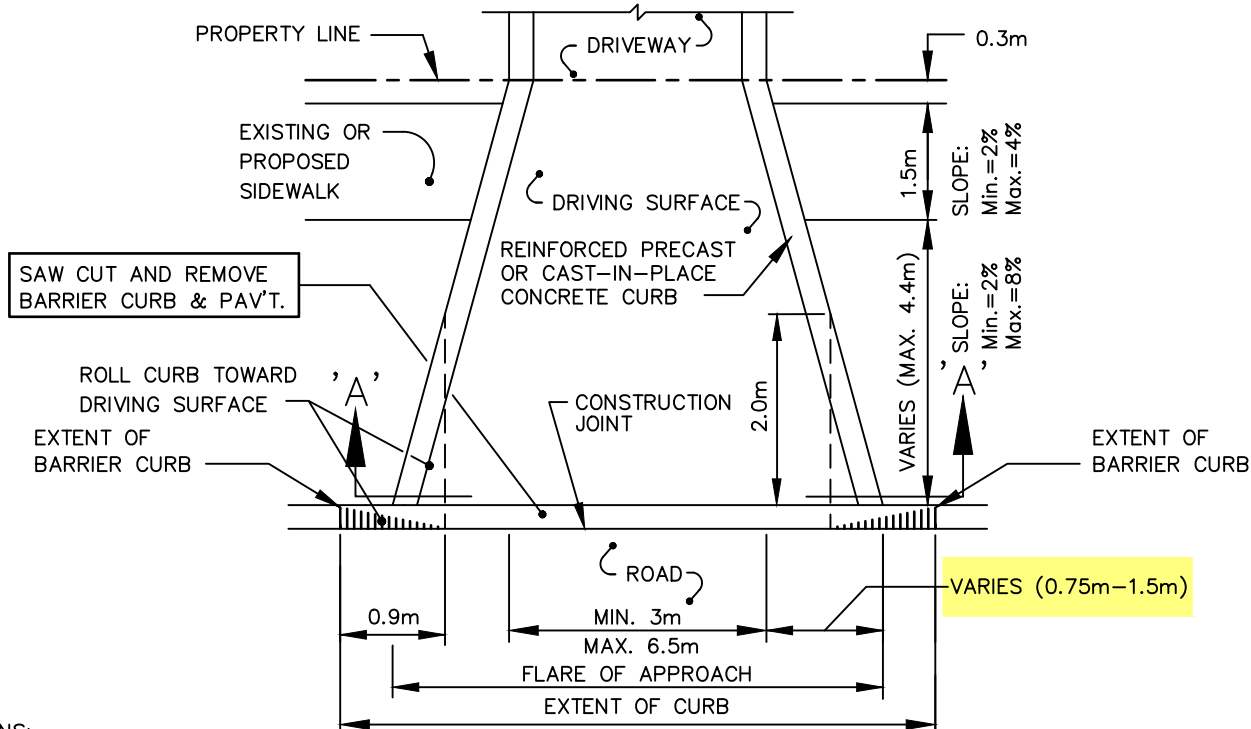
Checked By:
D.R.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

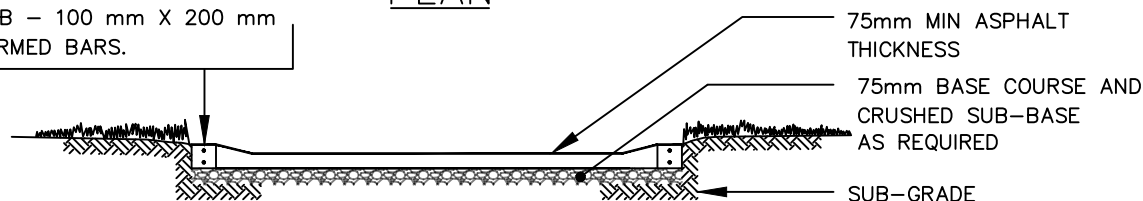
SD-237A



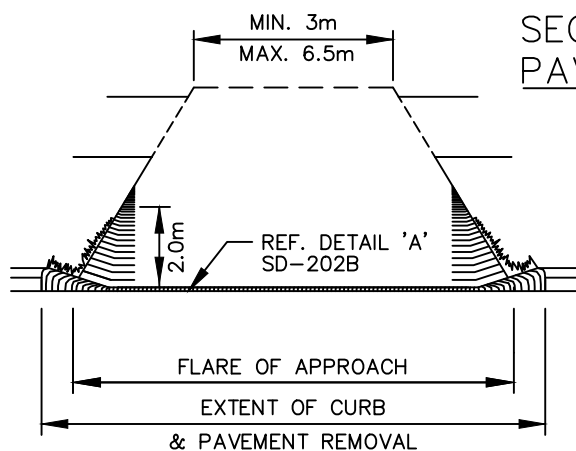
OPTIONS:

1. PRECAST CURB - 65 mm x 140 mm
2. CAST-IN-PLACE CURB - 100 mm X 200 mm WITH TWO 15M DEFORMED BARS.

& PAVEMENT REMOVAL
PLAN



SECTION 'A'-'A' FOR PAVING STONE APPROACH



FRONTAL PERSPECTIVE OF FINISHED PRIVATE APPROACH

NOTES:

1. M.H. ISOLATIONS TO BE APPROVED BY CONTRACT ADMINISTRATOR.



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3240, CW 3310, CW 3330, CW 3410

Revisions

No.	Date	Description	By
1.	DEC 25	CHANGED FLARE TO A RANGE	A.G.

RESIDENTIAL APPROACH-ASPHALT
(WITH EXISTING BARRIER CURB)

Designed By:
A.P.

Drawn By:
T.K.

Scale :
N.T.S.

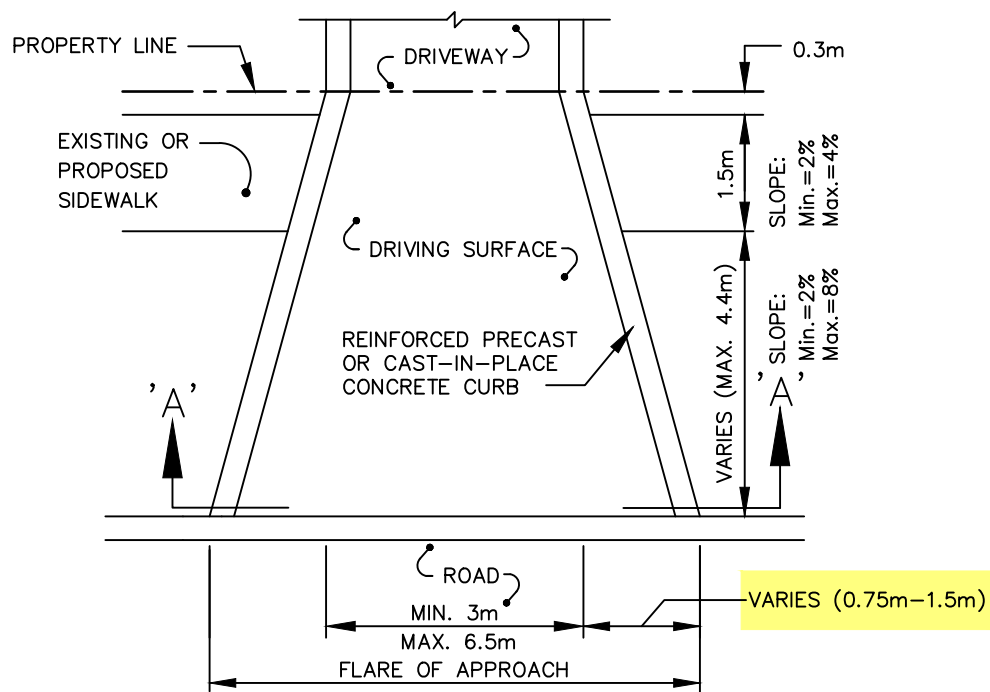
Checked By:
D.R.K.

Date:
2025-12-15

Drawing No.

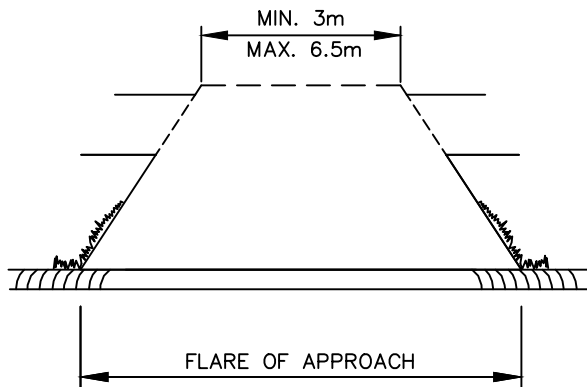
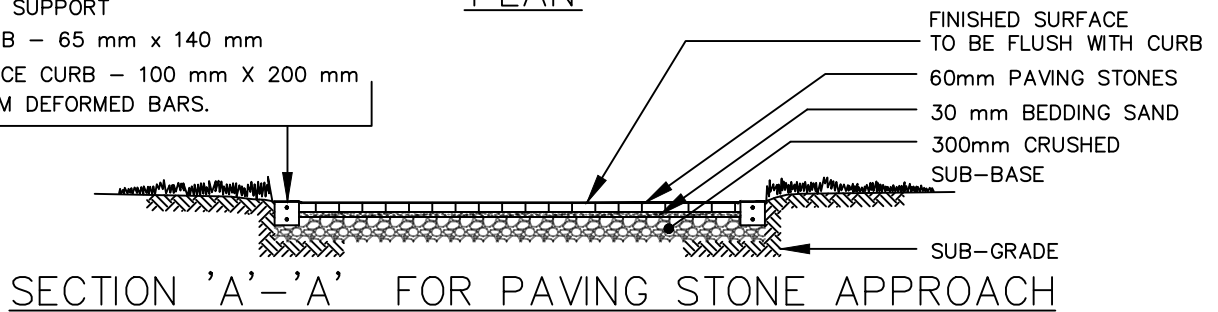
Approved:
PAVEMENT MANAGEMENT BRANCH

SD-237B



OPTIONS:

1. PLASTIC EDGE SUPPORT
2. PRECAST CURB – 65 mm x 140 mm
3. CAST-IN-PLACE CURB – 100 mm X 200 mm WITH TWO 15M DEFORMED BARS.



NOTES:

1. APPLICABLE FOR EXISTING LIP CURBS <80mm. IF EXISTING CURB >80mm REF SD-202B.
2. M.H. ISOLATIONS TO BE APPROVED BY CONTRACT ADMINISTRATOR.



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310, CW 3330, CW 3410

RESIDENTIAL APPROACH-PAVING STONE
(WITH EXISTING LIP CURB)

Revisions

No.	Date	Description	By
1.	DEC 25	CHANGED FLARE TO A RANGE	A.G.

Designed By:
L.S.W.L.

Drawn By:
T.K.

Scale :
N.T.S.

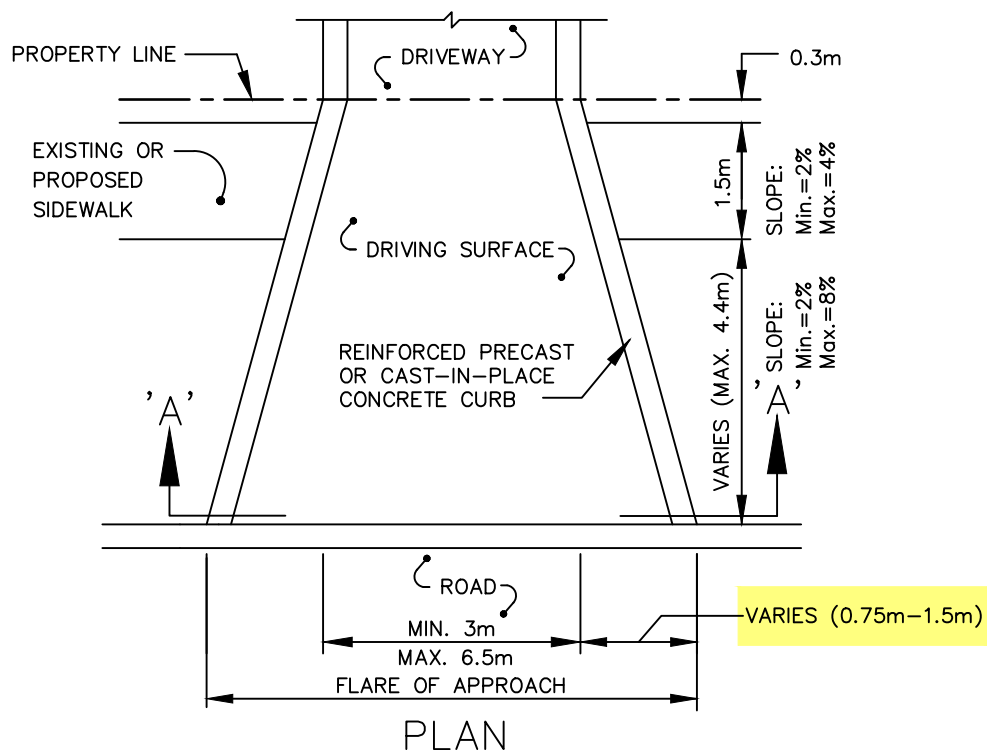
Checked By:
D.R.K.

Date:
2025-12-15

Drawing No.

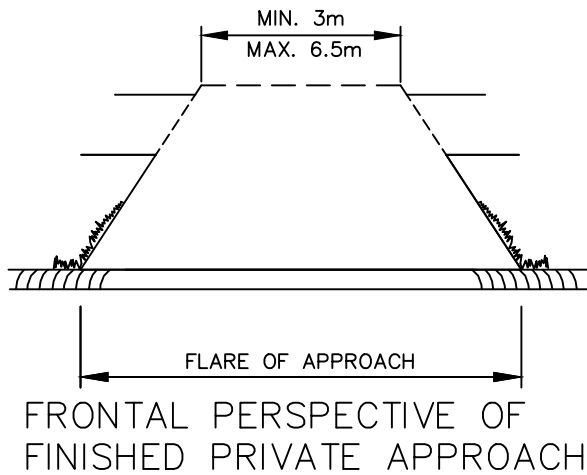
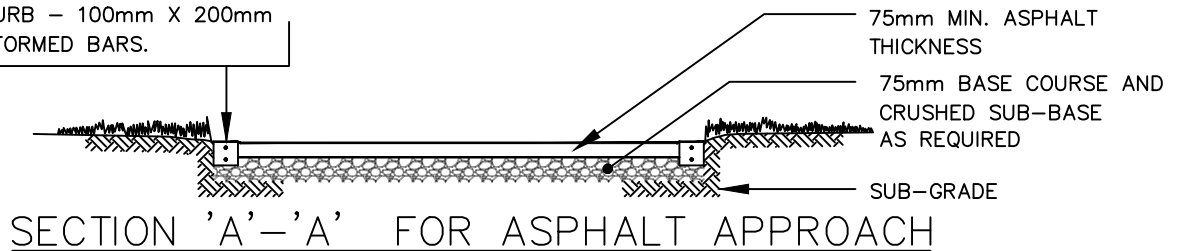
Approved:
PAVEMENT MANAGEMENT BRANCH

SD-238A



OPTIONS:

1. PRECAST CURB - 65mm x 140mm
2. CAST-IN-PLACE CURB - 100mm X 200mm WITH TWO 15M DEFORMED BARS.



NOTES:

1. APPLICABLE FOR EXISTING LIP CURBS <80mm. IF EXISTING CURB >80mm REF SD-202B.
2. M.H. ISOLATIONS TO BE APPROVED BY CONTRACT ADMINISTRATOR.



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

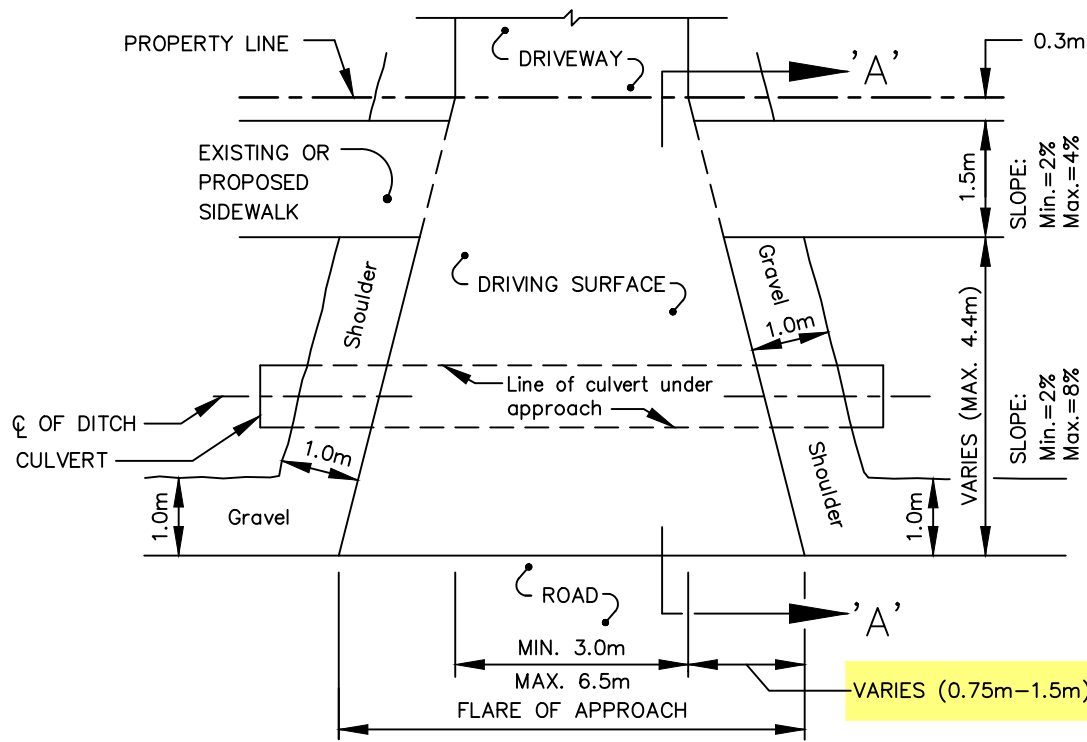
Reference Spec. No.
CW 3230, CW 3310, CW 3330, CW 3410

Revisions

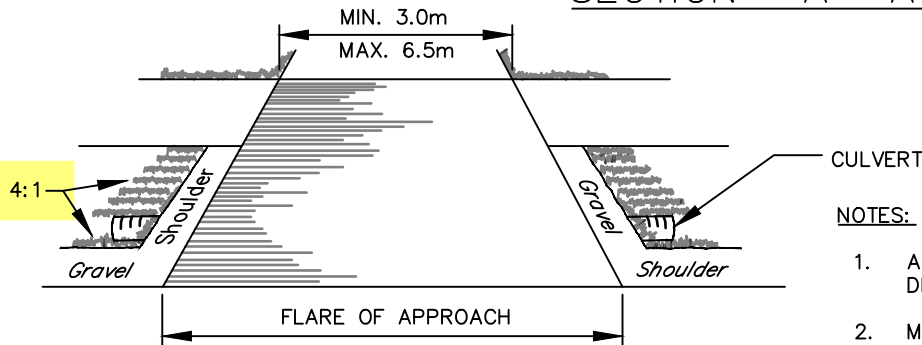
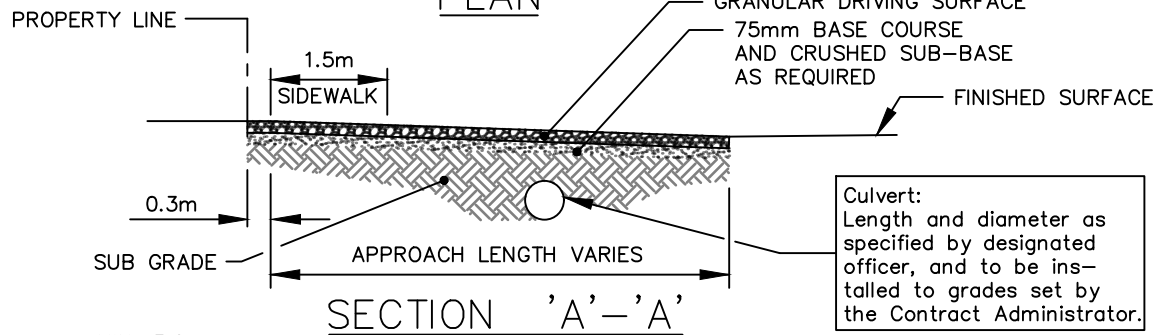
No.	Date	Description	By
1.	DEC 25	CHANGED FLARE TO A RANGE	A.G.

RESIDENTIAL APPROACH-ASPHALT
(WITH EXISTING LIP CURB)

Designed By: L.S.W.L.	Drawn By: T.K.	Scale : N.T.S.
Checked By: D.R.K.	Date: 2025-12-15	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-238B



PLAN



FRONTAL PERSPECTIVE OF FINISHED PRIVATE APPROACH

NOTES:

1. APPLICABLE FOR EXISTING GRAVEL STREETS WITH DITCHES.
2. M.H. ISOLATIONS TO BE APPROVED BY CONTRACT ADMINISTRATOR.
3. SEE SD-234 FOR DETAILS OF THE APPLICABLE DRIVING SURFACE



THE CITY OF WINNIPEG

PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310, CW 3410, CW 3610

RESIDENTIAL APPROACH – WITH DITCH DRAINAGE

Revisions

No.	Date	Description	By
1.	DEC 25	CHANGED FLARE TO A RANGE	A.G.

Designed By:
B.P.

Drawn By:
T.K.

Scale :
N.T.S.

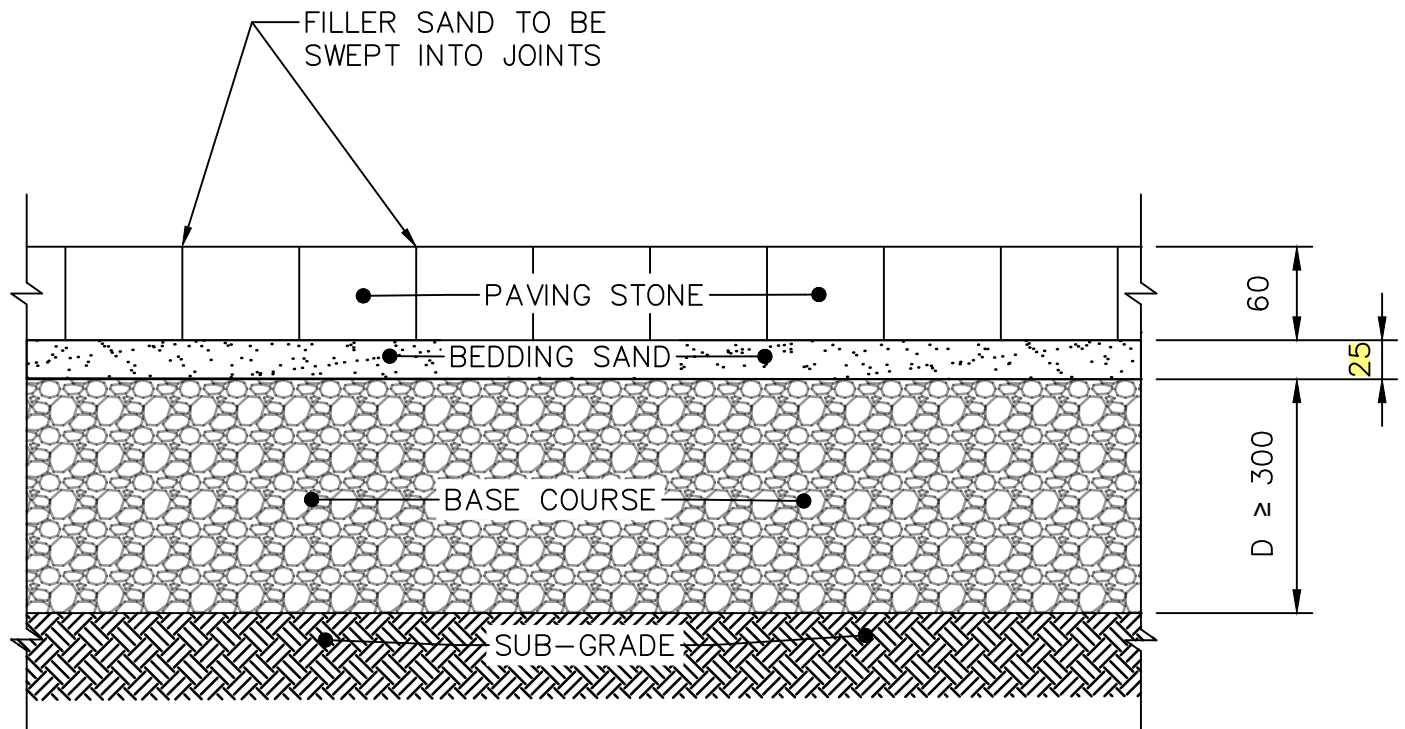
Checked By:
B.P.

Date:
2025-05-12

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-239



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3110, CW 3330

INTERLOCKING PAVING STONE DETAIL
FOR RESIDENTIAL APPROACHES

Revisions

No.	Date	Description	By
1.	DEC 25	GENERAL REVISION	R.B.

Designed By:
A.G.

Drawn By:
R.B.

Scale :
N.T.S.

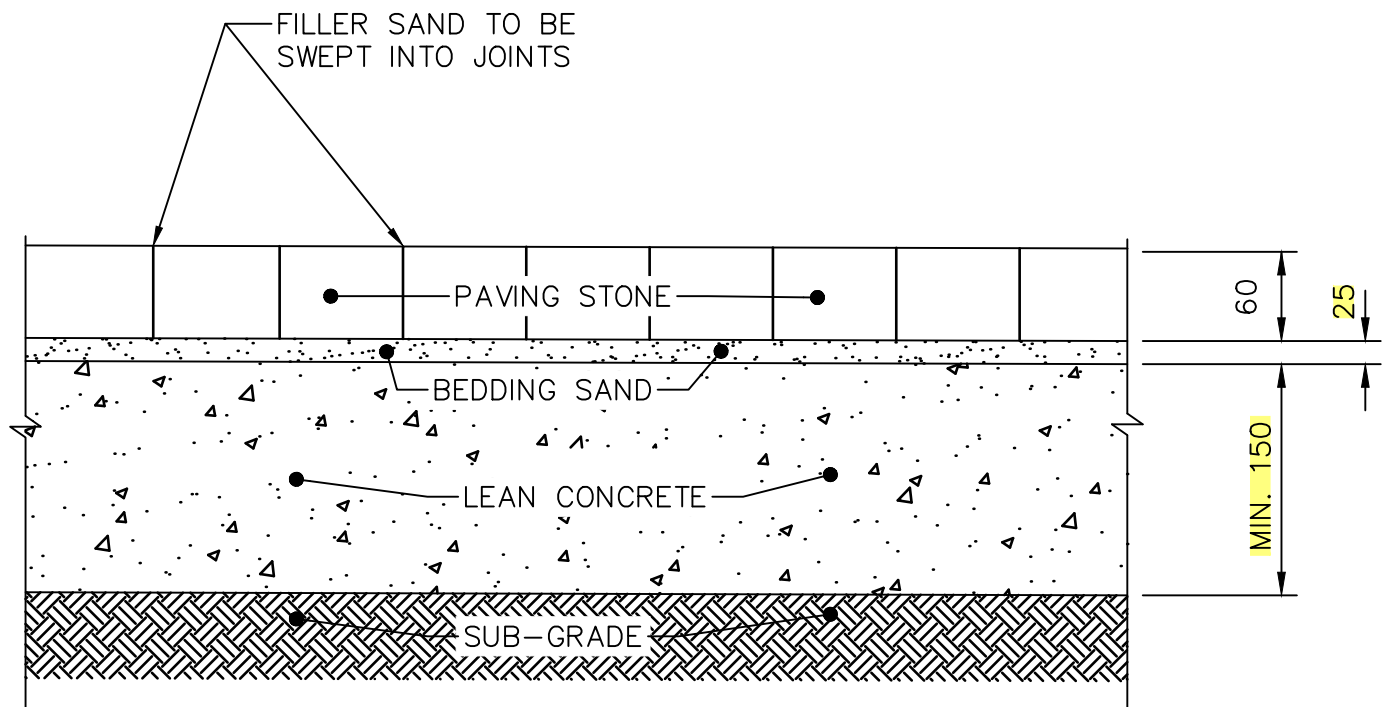
Checked By:
B.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-240A



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3110, CW 3335

Revisions

1.	DEC 25	GENERAL REVISION	A.G.
No.	Date	Description	By

INTERLOCKING PAVING STONES
ON LEAN CONCRETE BASE
(NON DRIVING SURFACE)

Designed By:
Z.V.K.

Drawn By:
R.B.

Scale :
N.T.S.

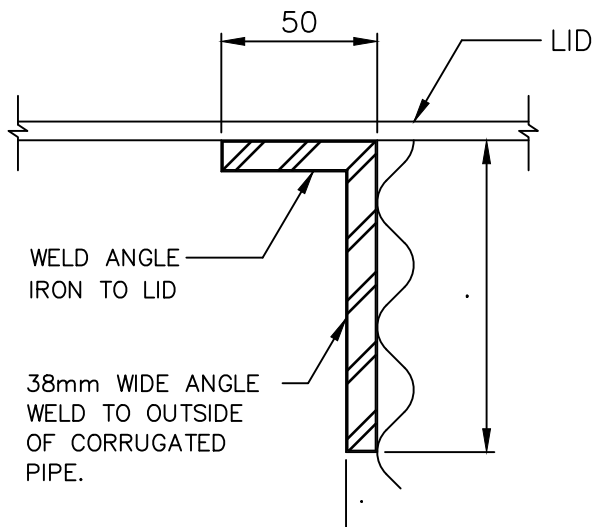
Checked By:
L.S.W.L.

Date:
2025-12-15

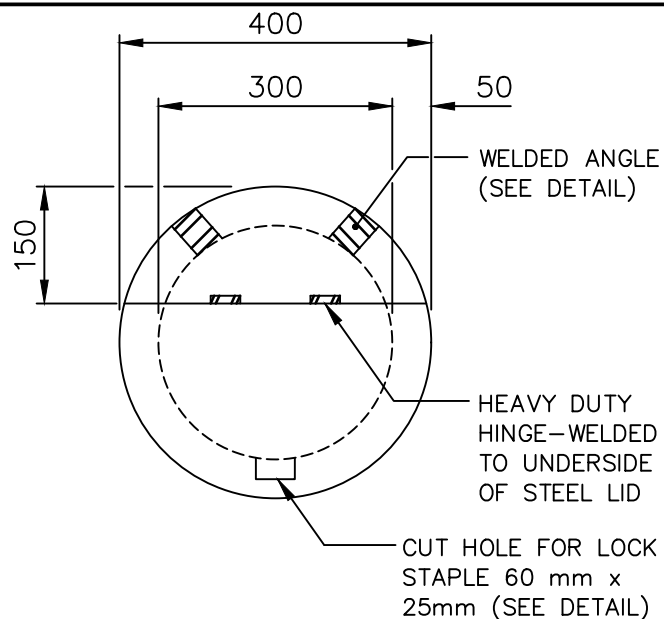
Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

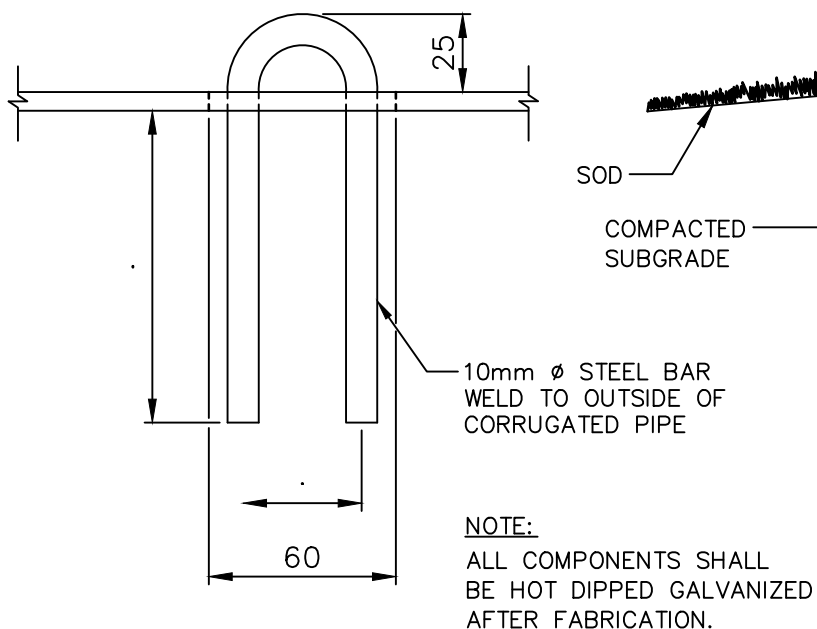
SD-240B



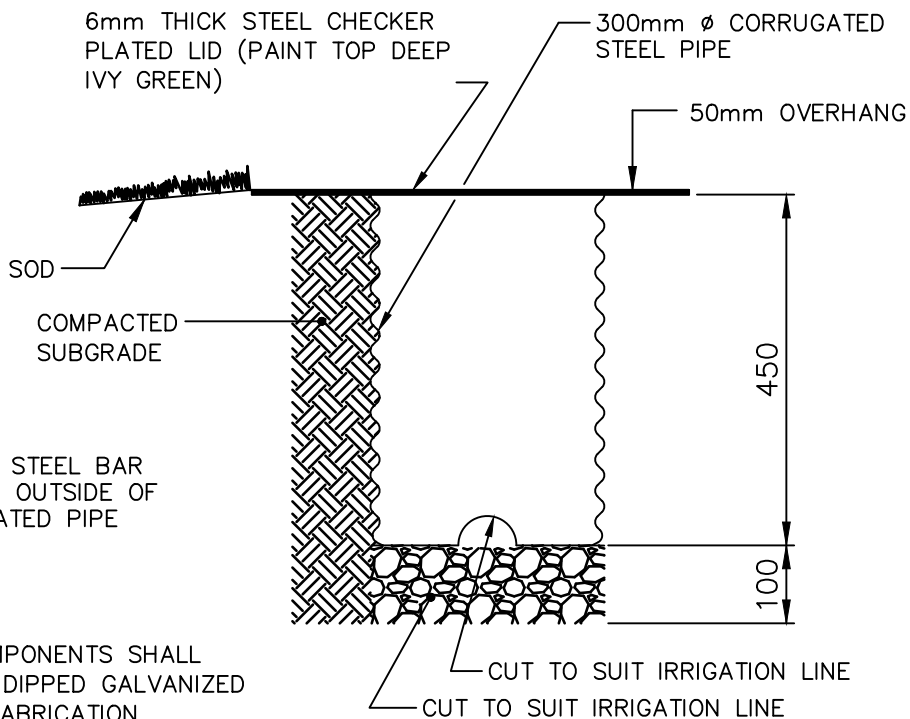
ANGLE DETAIL



PLAN



LOCK STAPLE DETAIL



SECTION

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3530

C.S.P. ENCLOSURE FOR GATE VALVE

Revisions

No.	Date	Description	By
1.	DEC 25	GENERAL REVISION	R.B.

Designed By:
R.G.Z.

Drawn By:
G.R.

Scale :
N.T.S.

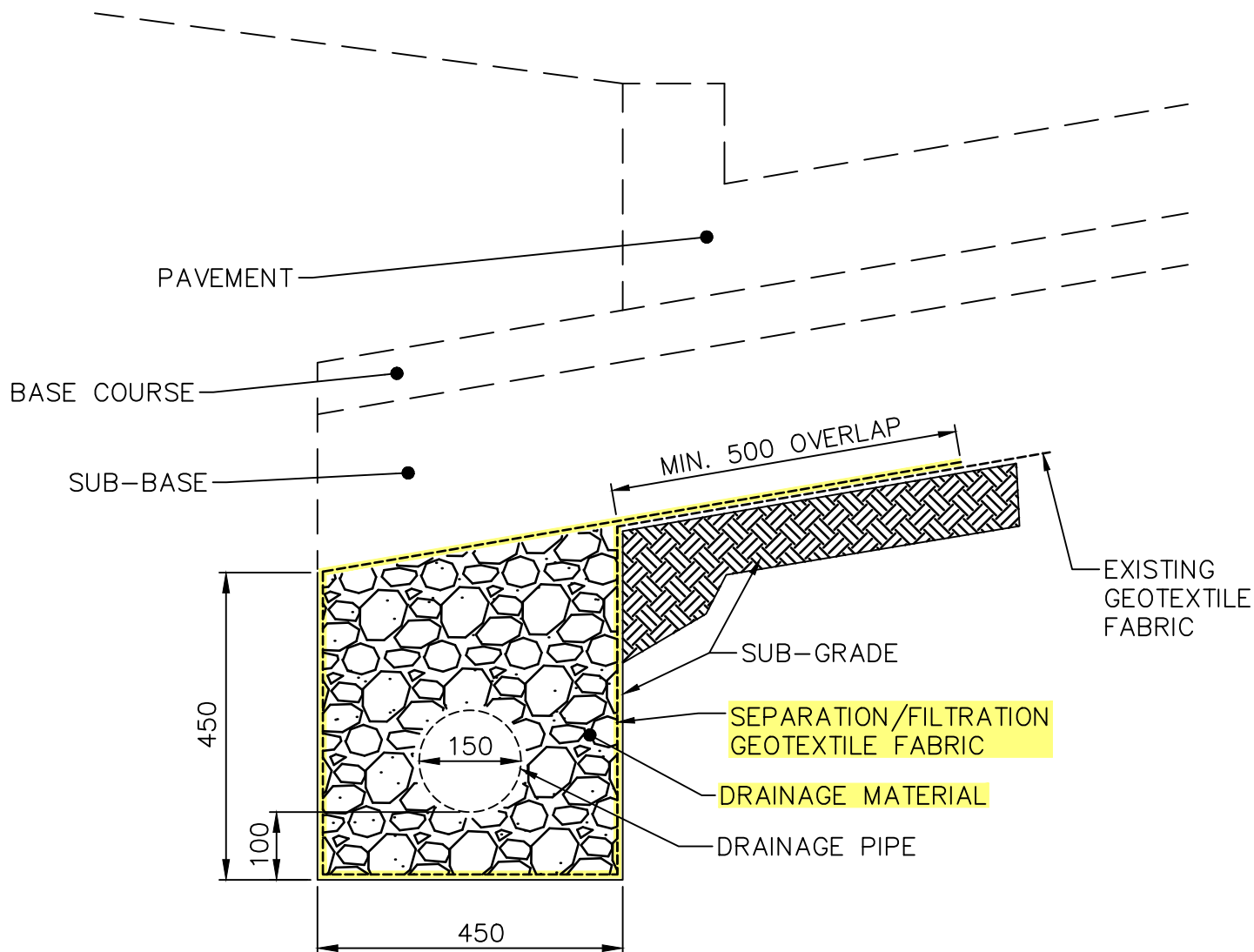
Checked By:
J.P.T.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-242



DIMENSIONS IN MILLIMETERS



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3110, CW 3120, CW 3130

**SUBDRAIN INSTALLATION
DETAIL**

Revisions

1.	DEC 25	GENERAL REVISION	A.G.
No.	Date	Description	By

Designed By:
B.P.

Drawn By:
R.B.

Scale :
N.T.S.

Checked By:
A.G.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-245