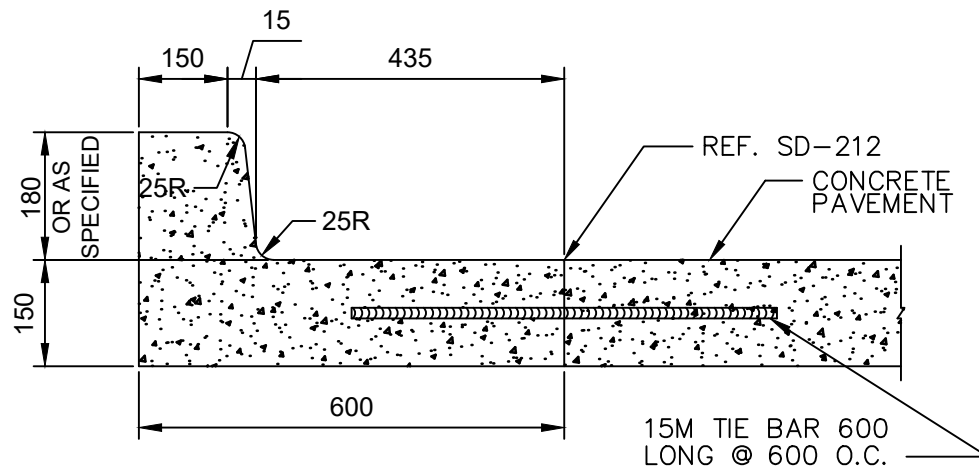
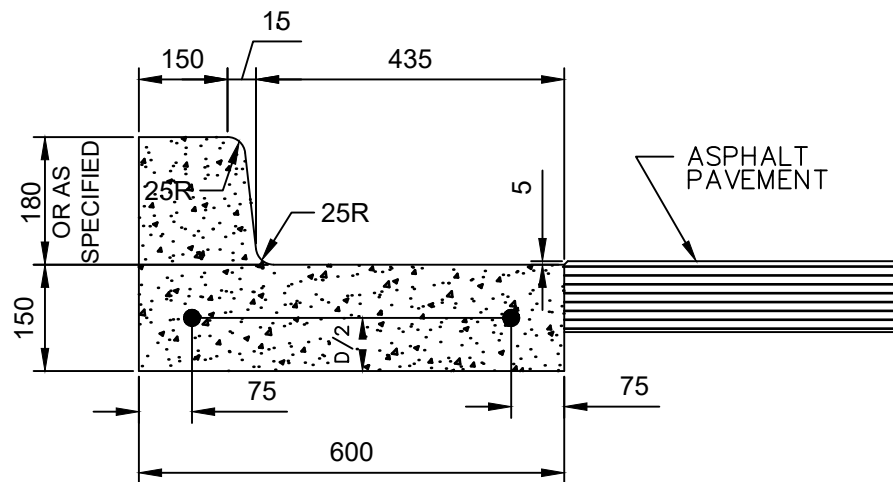


## **APPENDIX 'F'**

### **2026 UPDATED CONSTRUCTION STANDARD DETAILS**



CURB AND GUTTER  
FOR CONCRETE PAVEMENTS



CURB AND GUTTER  
FOR ASPHALT PAVEMENTS

- NOTE: 1. REDUCE CURB HEIGHT TO 40.  
APPLICABLE FOR PRIVATE  
APPROACHES ON LOCAL RESIDENTIAL  
STREETS. REF SD-202B
2. TRANSVERSE SAW CUT EVERY 3000  
OR AT PAVEMENT JOINTS.

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

DIMENSIONS IN MILLIMETRES



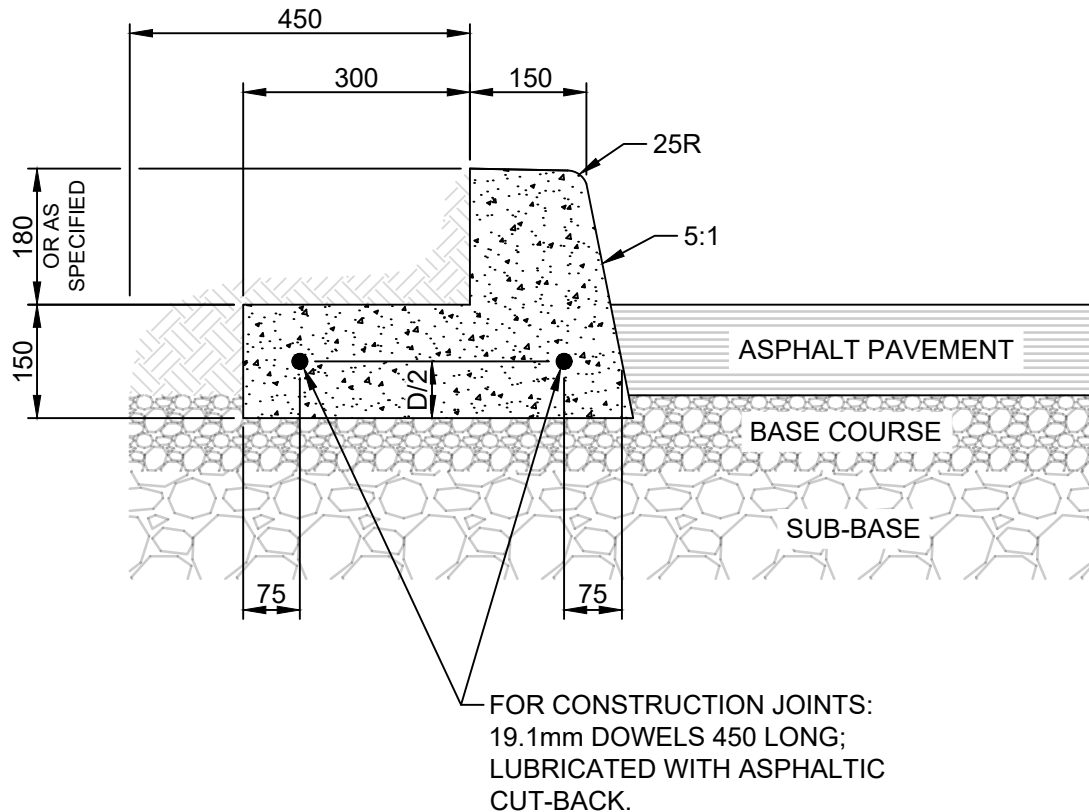
THE CITY OF WINNIPEG  
PUBLIC WORKS DEPARTMENT

Reference Spec. No.  
CW 3325

CURB AND GUTTER

Revisions			
1.	OCT 24	ADDED NOTE 3	R.B.
No.	Date	Description	By
Designed By:		Drawn By:	Scale :
B.P.		R.B.	N.T.S.
Checked By:		Date:	Drawing No.
D.R.K.		2008-12-15	SD-200
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. 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

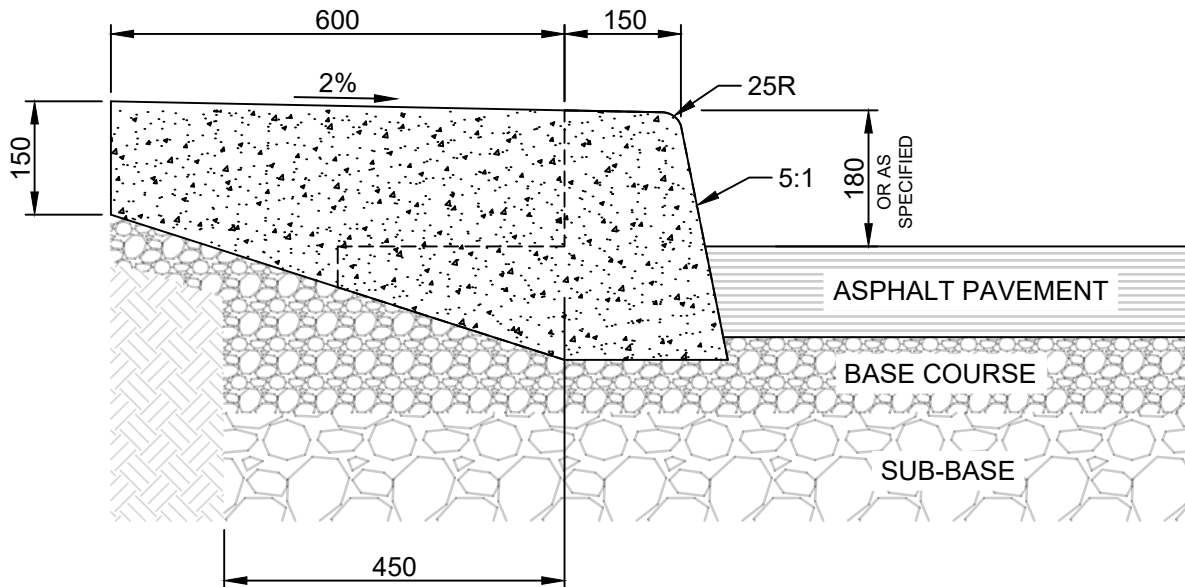
Revisions

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

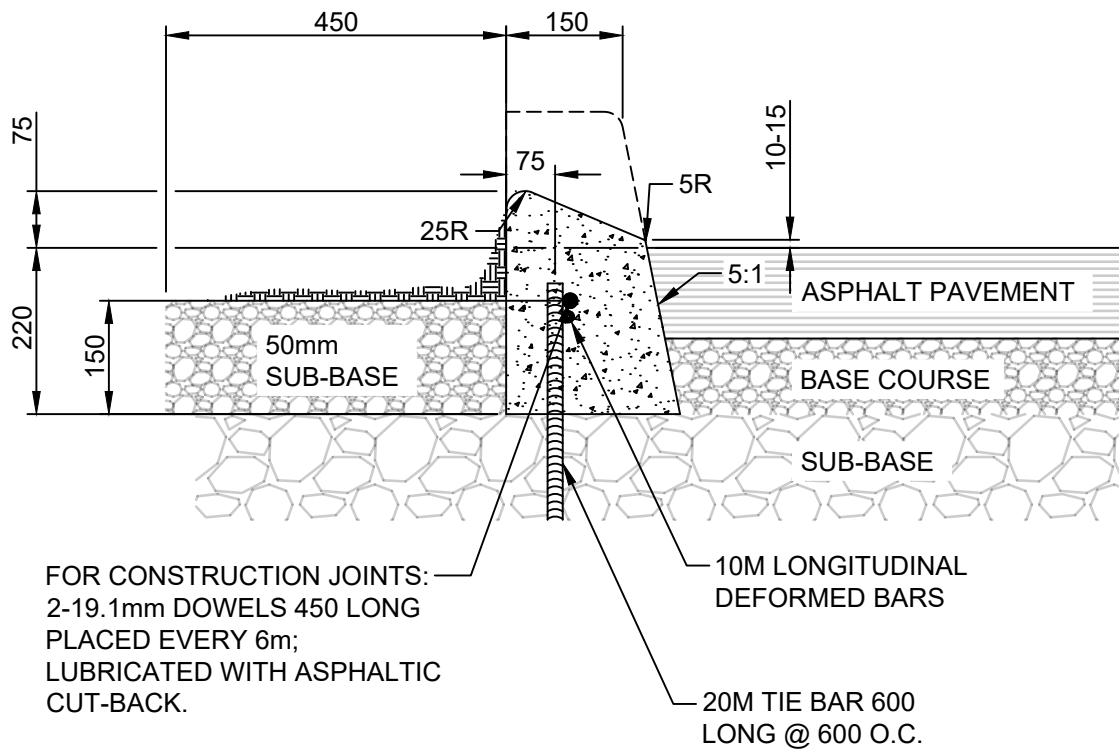
Reference Spec. No.  
CW 3325

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

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-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

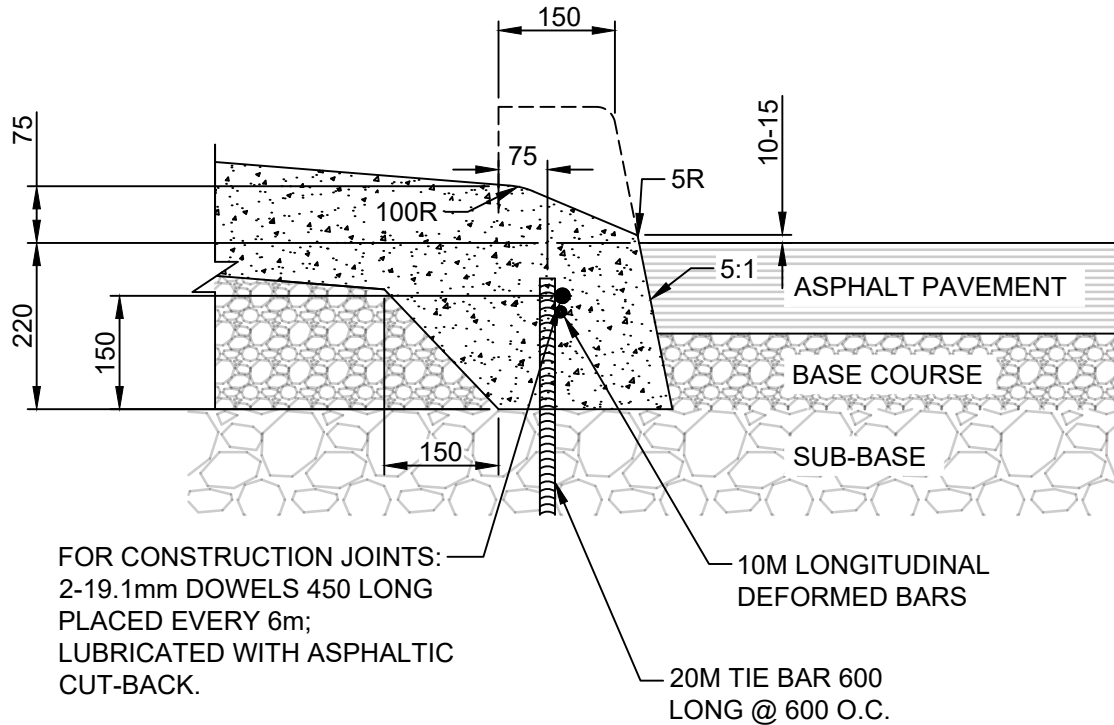
Reference Spec. No.  
CW 3325

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

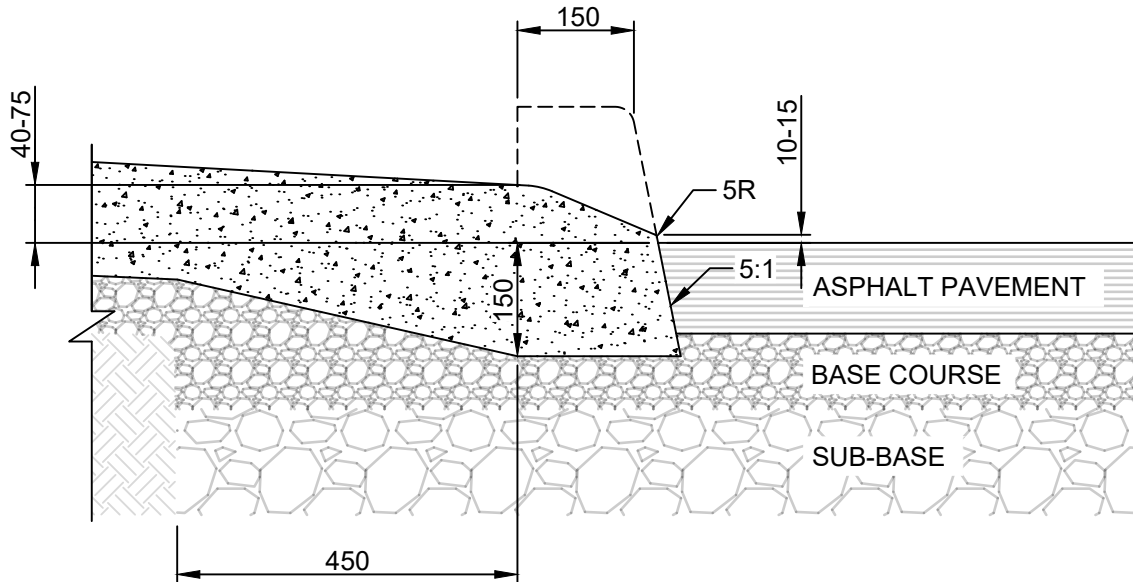
Checked By:  
B.K.

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

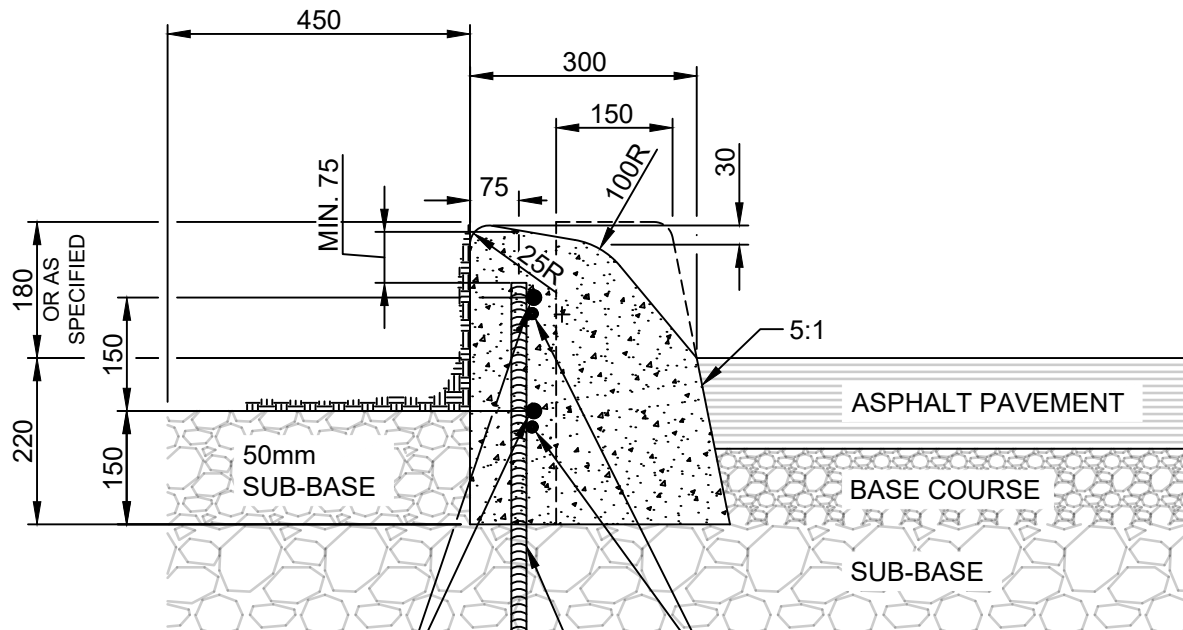
Reference Spec. No.  
CW 3325

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



FOR CONSTRUCTION JOINTS:  
2-19.1mm DOWELS 450 LONG  
PLACED EVERY 6m;  
LUBRICATED WITH ASPHALTIC  
CUT-BACK.

10M LONGITUDINAL  
DEFORMED BARS

20M TIE BAR 600  
LONG @ 600 O.C.

#### 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
-----	------	-------------	----

**MODIFIED BARRIER  
CURB FOR ASPHALT  
PAVEMENT**

Designed By:  
A.G.

Drawn By:  
R.B.

Scale :  
N.T.S

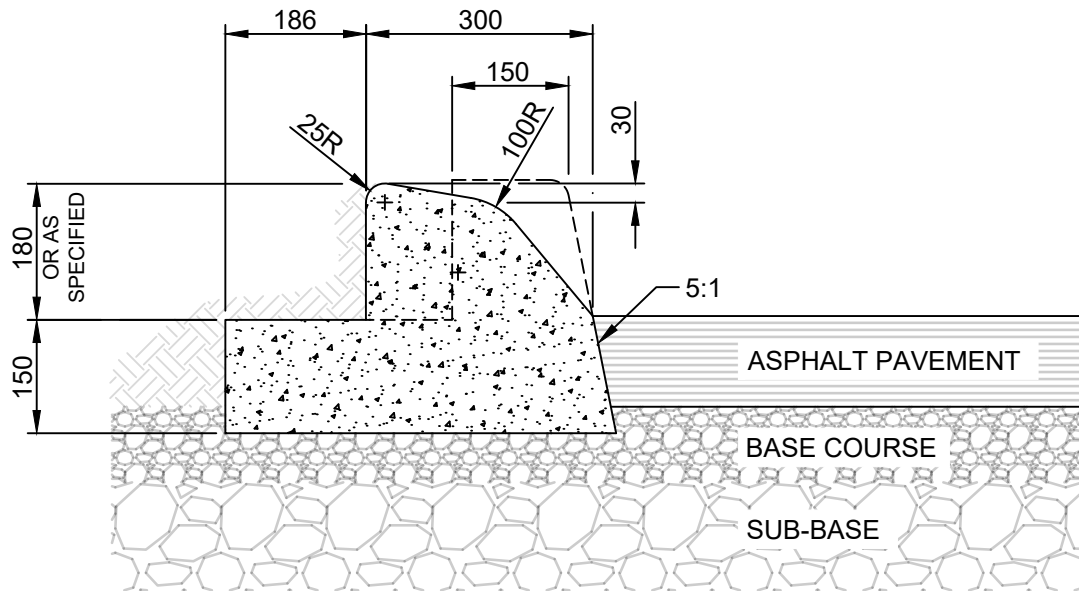
Checked By:  
B.K.

Date:  
2025-12-15

Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-203C



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

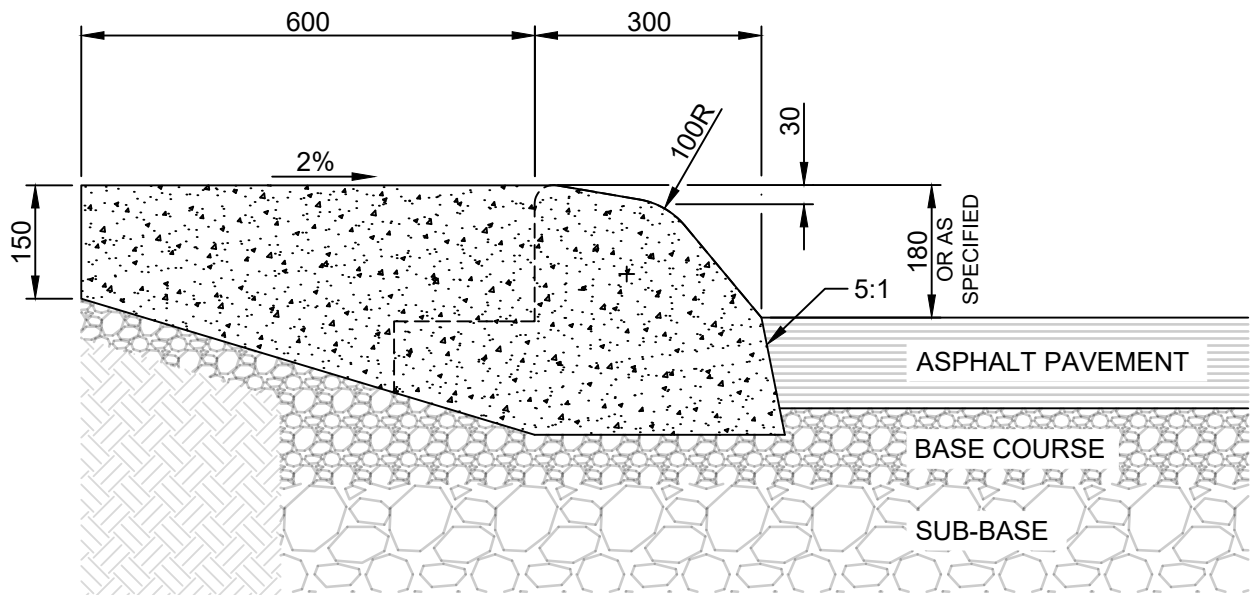
Reference Spec. No.  
CW 3325

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. SD-203D
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

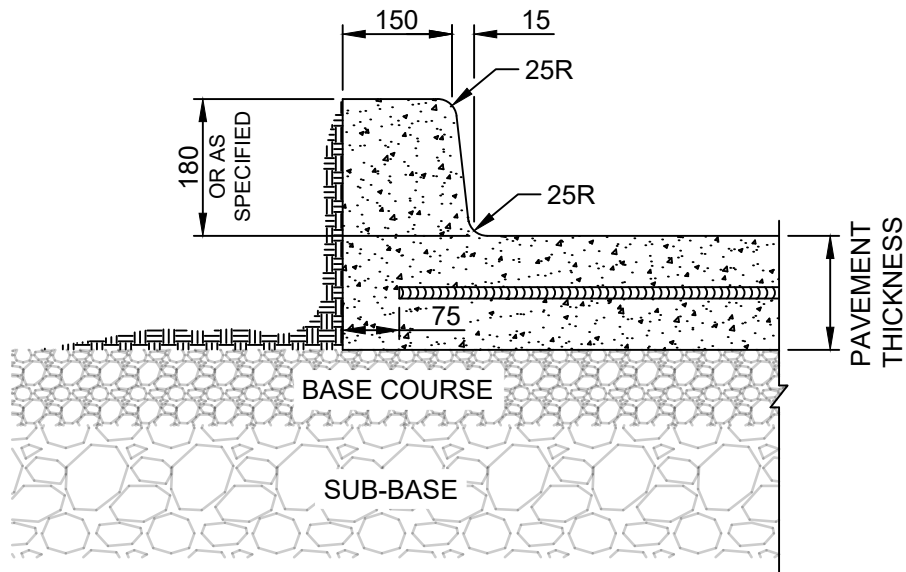
Reference Spec. No.  
CW 3325

**Revisions**

No.	Date	Description	By

**MODIFIED BARRIER CURB WITH  
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

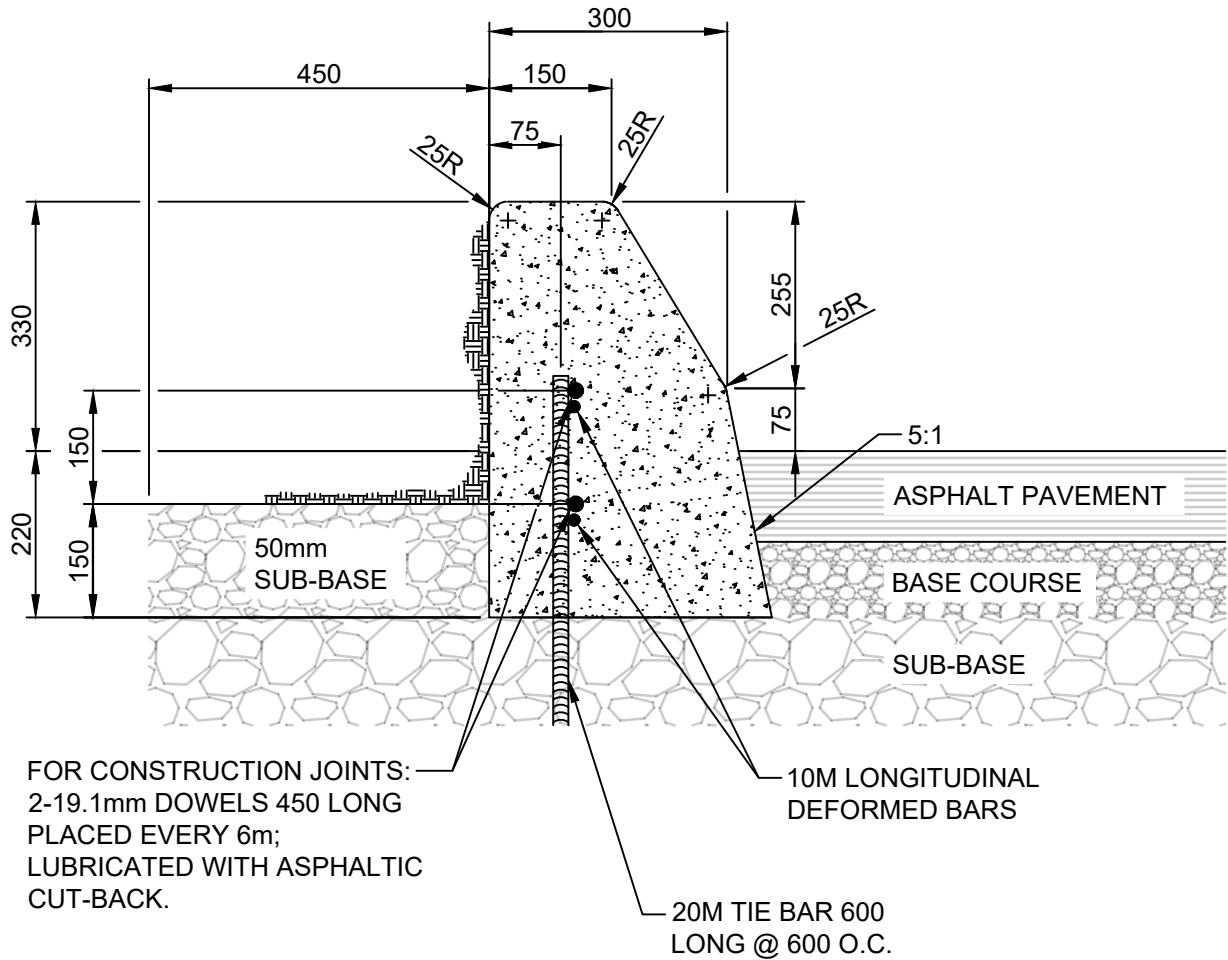
Revisions

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

Revisions


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

SAFETY CURB FOR  
ASPHALT PAVEMENT

Designed By:  
A.G.

Drawn By:  
R.B.

Scale :  
N.T.S

Checked By:  
B.K.

Date:  
2025-12-15

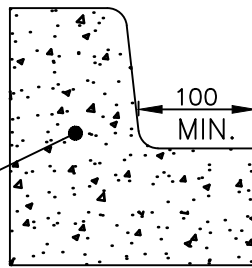
Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-206C

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

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



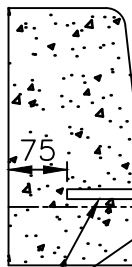
100  
MIN.

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

NEW CONCRETE

230 MIN.

EXISTING 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.

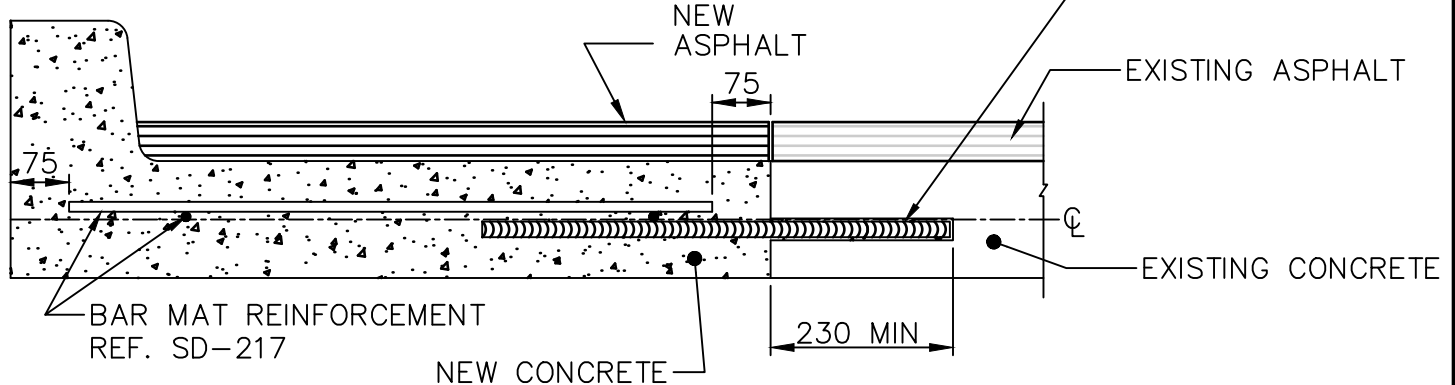
## PAVEMENT REMOVAL

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

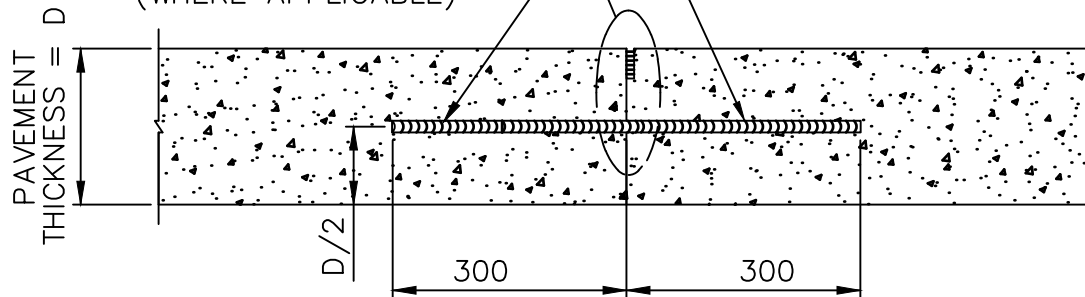
Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-208

BUTT JOINT  
REF. SD-212

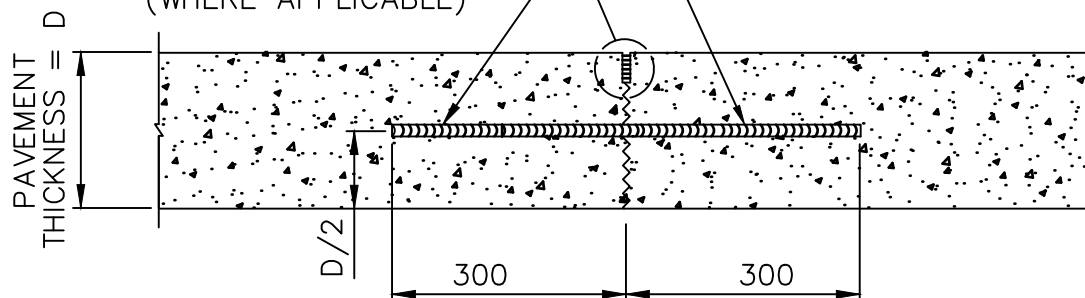
BAR MAT REINFORCEMENT  
REF. SD-217  
(WHERE APPLICABLE)



## 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

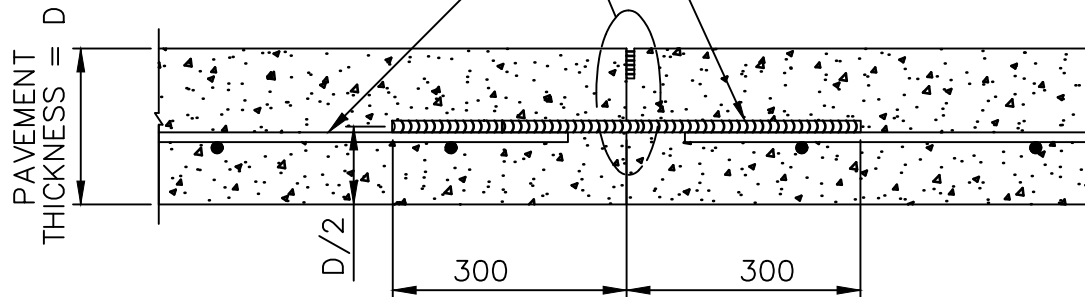
Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-210A

BUTT JOINT  
REF. SD-212

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

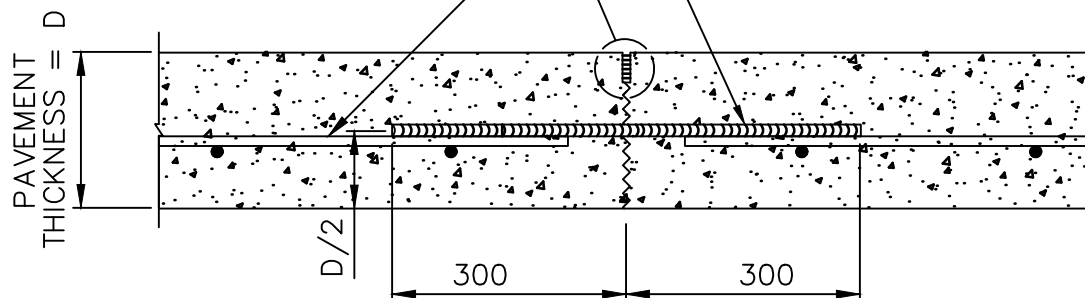


600 LONG TIE BARS:  
15M @ 600 O.C. FOR PAVEMENTS  $D < 200$   
20M @ 600 O.C. FOR PAVEMENTS  $D = 200$   
25M @ 600 O.C. FOR PAVEMENTS  $D > 200$

### 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

BUTT JOINT  
REF. SD-212

BAR MAT "A" REINFORCEMENT  
REF. SD-217

PAVEMENT  
THICKNESS = D

450 LONG DOWELS TO BE  
LUBRICATED WITH ASPHALTIC CUT-BACK  
19.1mm @ 300 O.C. FOR PAVEMENTS  $D < 200$   
28.6mm @ 300 O.C. FOR PAVEMENTS  $D \geq 200$

BAR MAT "A" REINFORCEMENT  
REF. SD-217

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

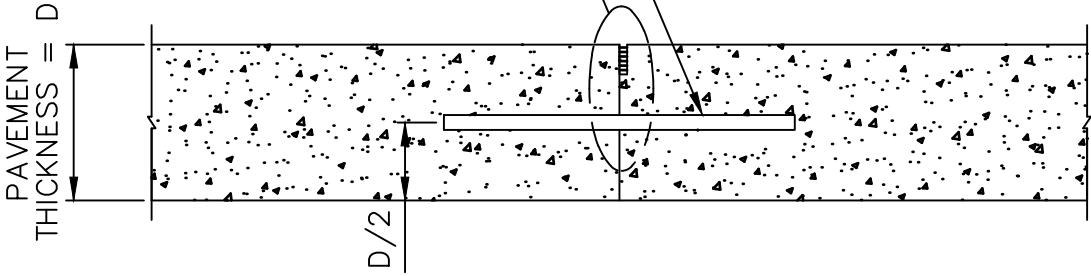
No.	Date	Description	By
1.	OCT 24	GENERAL REVISION	R.B.

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.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-211A



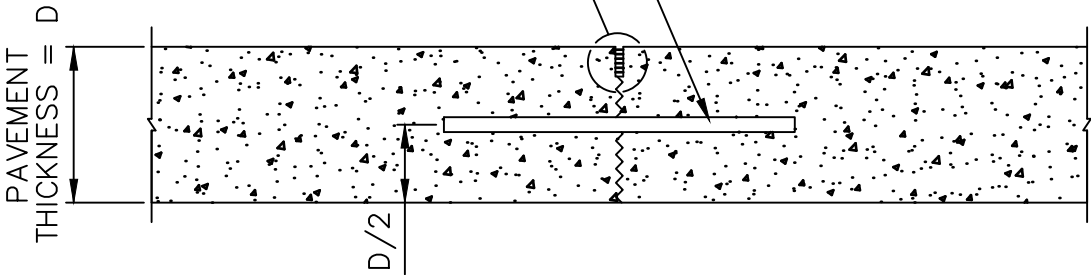
BUTT JOINT REF. SD-212



450 LONG DOWELS TO BE  
LUBRICATED WITH ASPHALTIC CUT-BACK  
19.1mm @ 300 O.C. FOR PAVEMENTS  $D < 200$   
28.6mm @ 300 O.C. FOR PAVEMENTS  $D \geq 200$

CONSTRUCTION JOINT

SAWN JOINT REF. SD-212




450 LONG DOWELS TO BE  
LUBRICATED WITH ASPHALTIC CUT-BACK  
19.1mm @ 300 O.C. FOR PAVEMENTS  $D < 200$   
28.6mm @ 300 O.C. FOR PAVEMENTS  $D \geq 200$

CONTRACTION JOINT

NOTE: DOWEL ASSEMBLIES  
NOT SHOWN.

DIMENSIONS IN MILLIMETRES

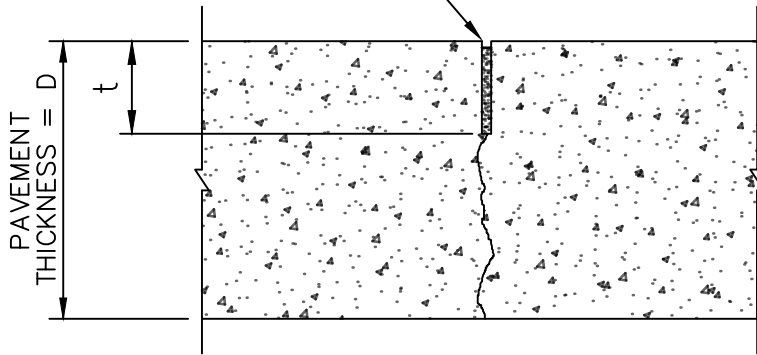
 <div>THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT</div>	Revisions			
Reference Spec. No. CW 3230, CW 3310				
CONSTRUCTION JOINT AND CONTRACTION JOINT FOR PLAIN DOWELLED CONCRETE PAVEMENT	1.	OCT 24	GENERAL REVISION	A.G.
	No.	Date	Description	By
	Designed By: L.S.W.L.		Drawn By: R.B.	Scale : N.T.S.
	Checked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



TRANSVERSE JOINT:  $t=D/3$

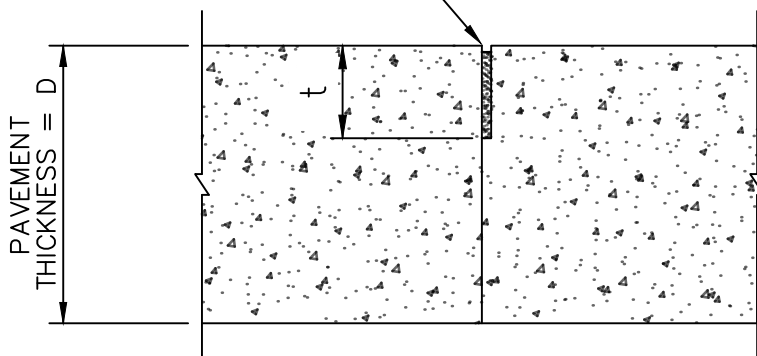
LONGITUDINAL JOINT:  $t=D/4$

SEE DETAIL "A"

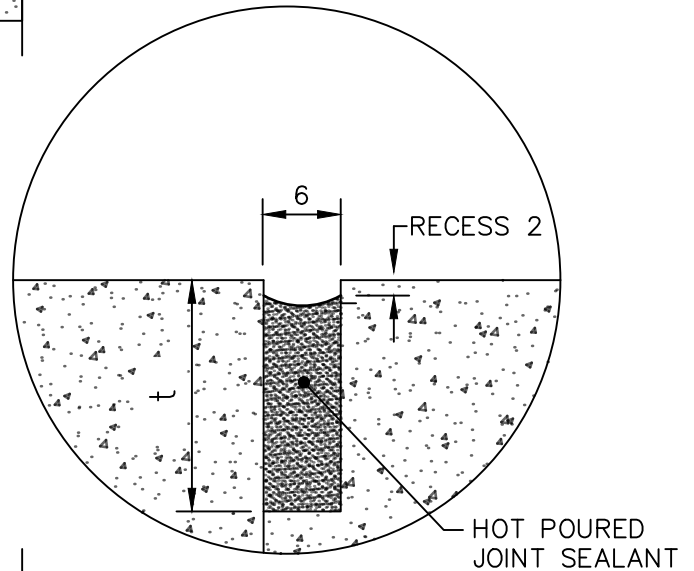


SAWN JOINT

SEE DETAIL "A"



BUTT JOINT



DETAIL "A"

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

Revisions

No.	Date	Description	By
2.	MAY 25	SAW CUT WIDTH AND DEPTH	R.B.
1.	OCT 06	GENERAL REVISION	L.W.B.

SAWN JOINT AND BUTT JOINT FOR  
CONCRETE PAVEMENTS

Designed By:  
A.G.

Drawn By:  
R.B.

Scale :  
N.T.S.

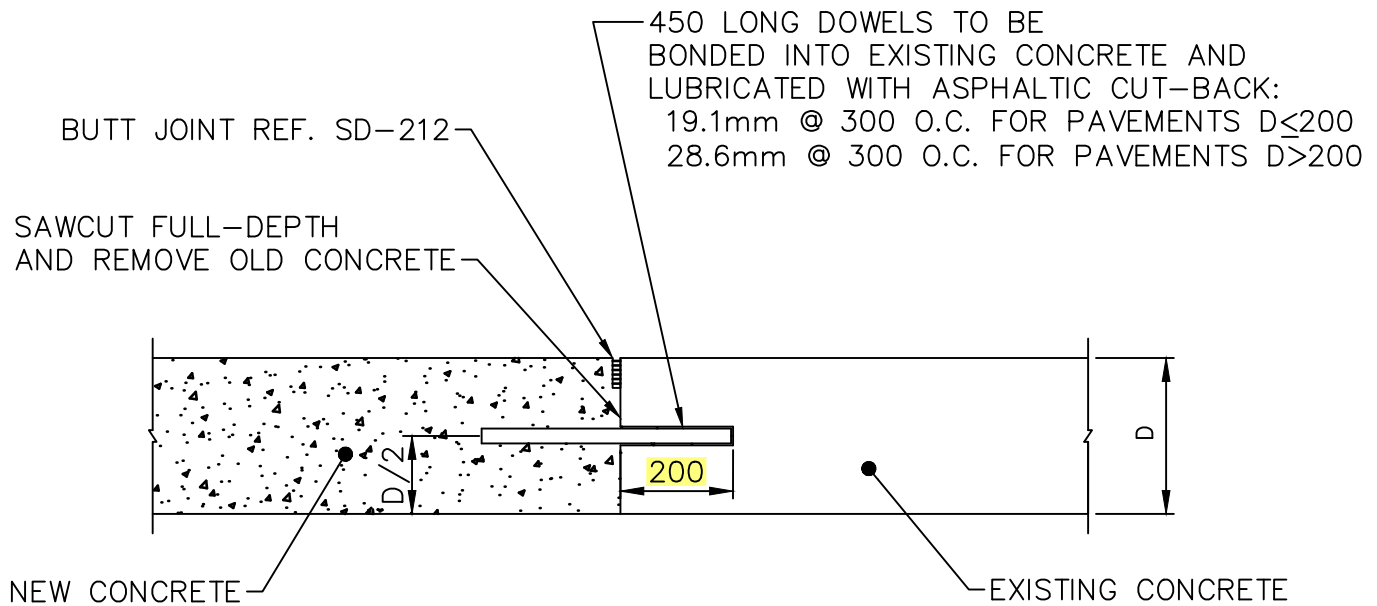
Checked By:  
B.K.

Date:  
2025-12-15

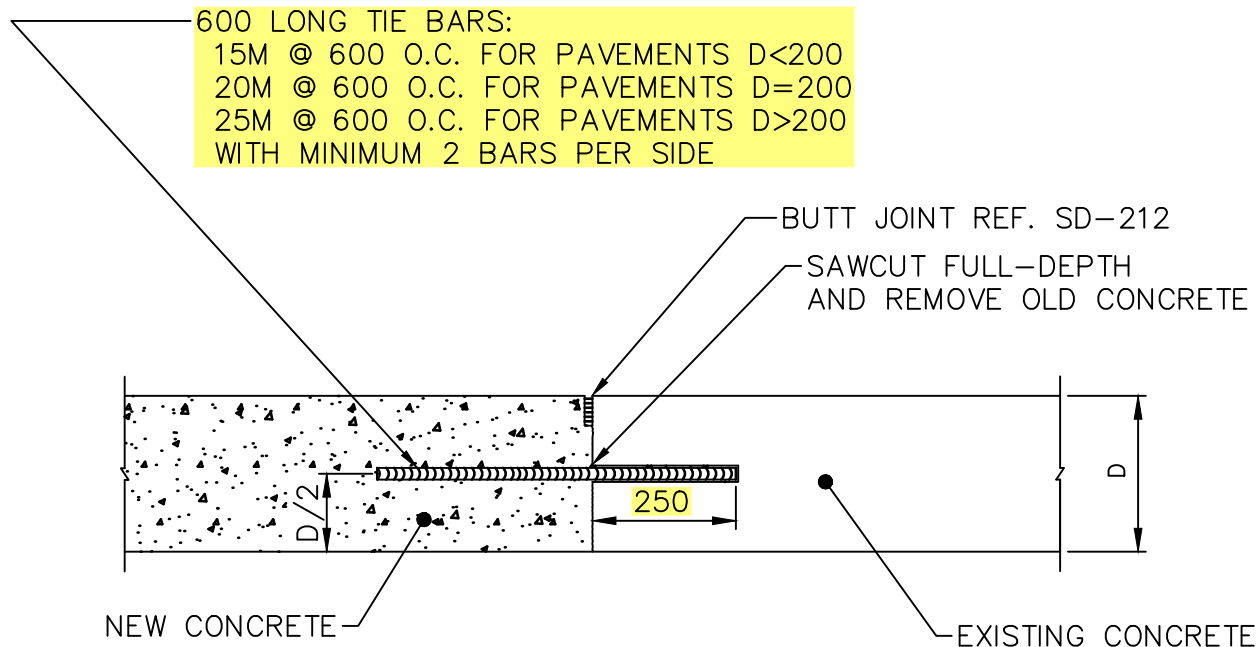
Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-212



### 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.

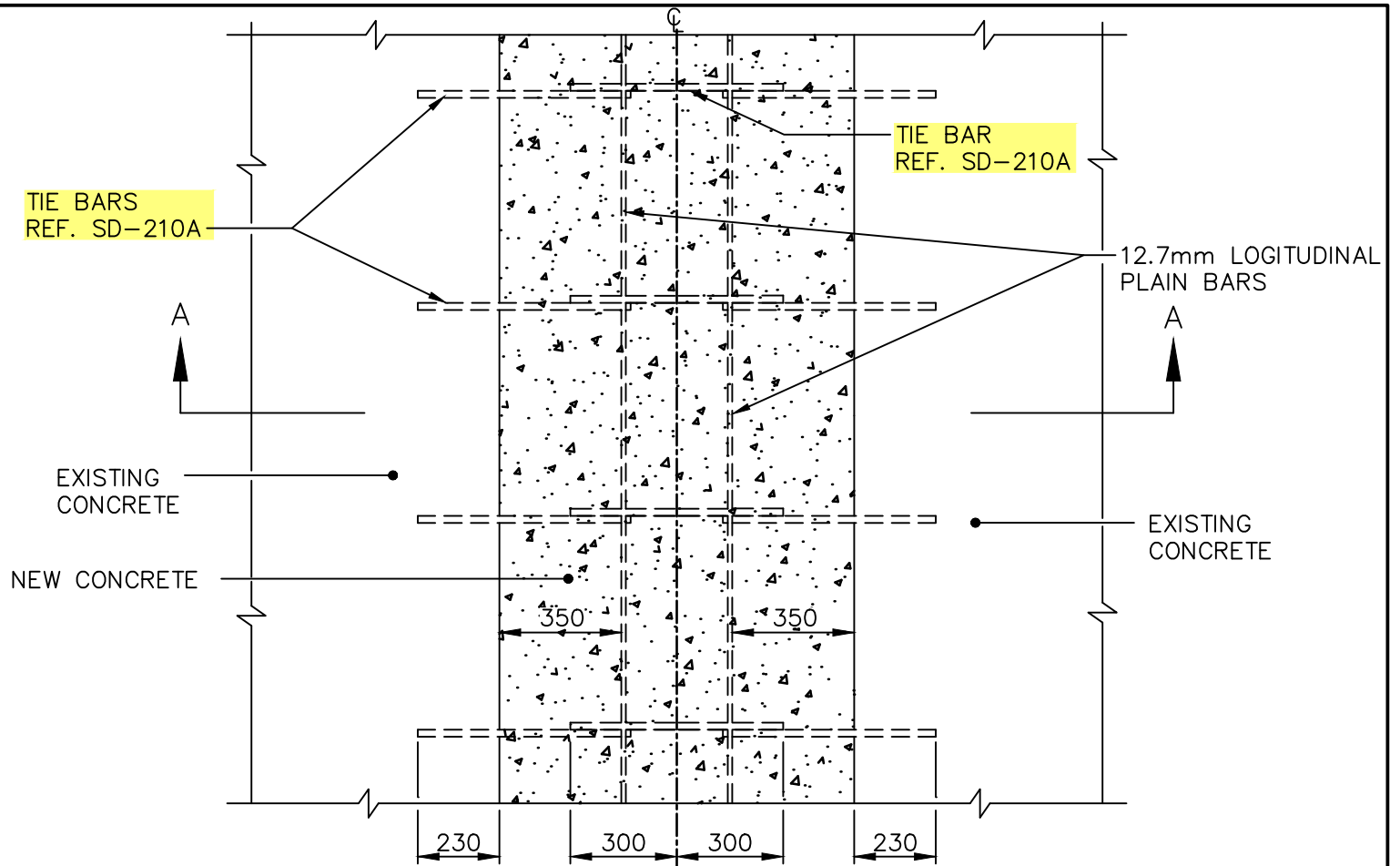
Checked By:  
D.R.K.

Date:  
2025-12-15

Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-213B



PLAN

12.7mm LONGITUDINAL  
PLAIN BARS

EXISTING CONCRETE

PAVEMENT  
THICKNESS  
D

NEW CONCRETE

SECTION A-A

EXISTING  
JOINT

BUTT JOINT REF. SD-212

SAW CUT FULL-DEPTH  
AND REMOVE OLD CONCRETE

TIE BAR REF. SD-210A

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.

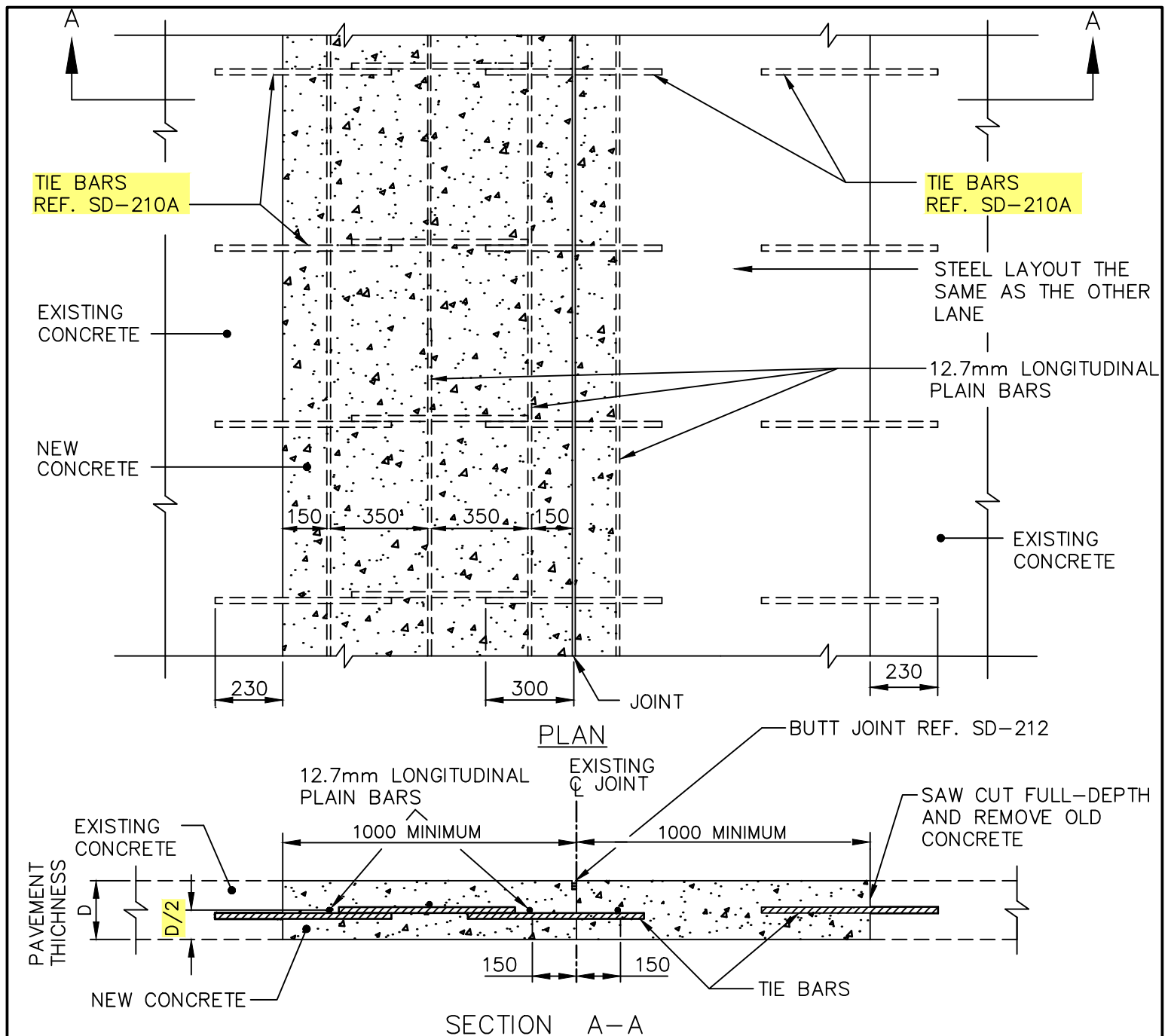
Checked By:  
B.P.

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

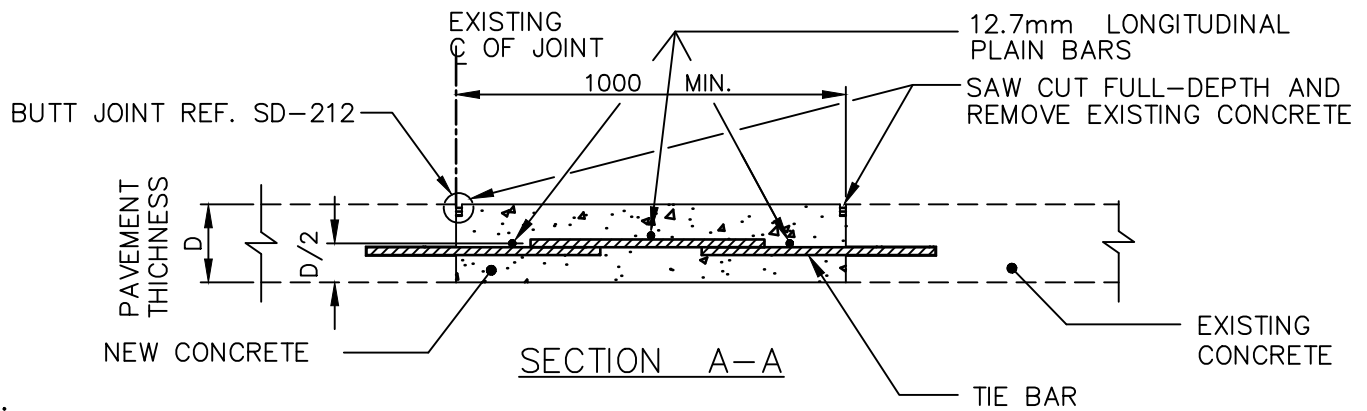
EXISTING  
CONCRETE

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.

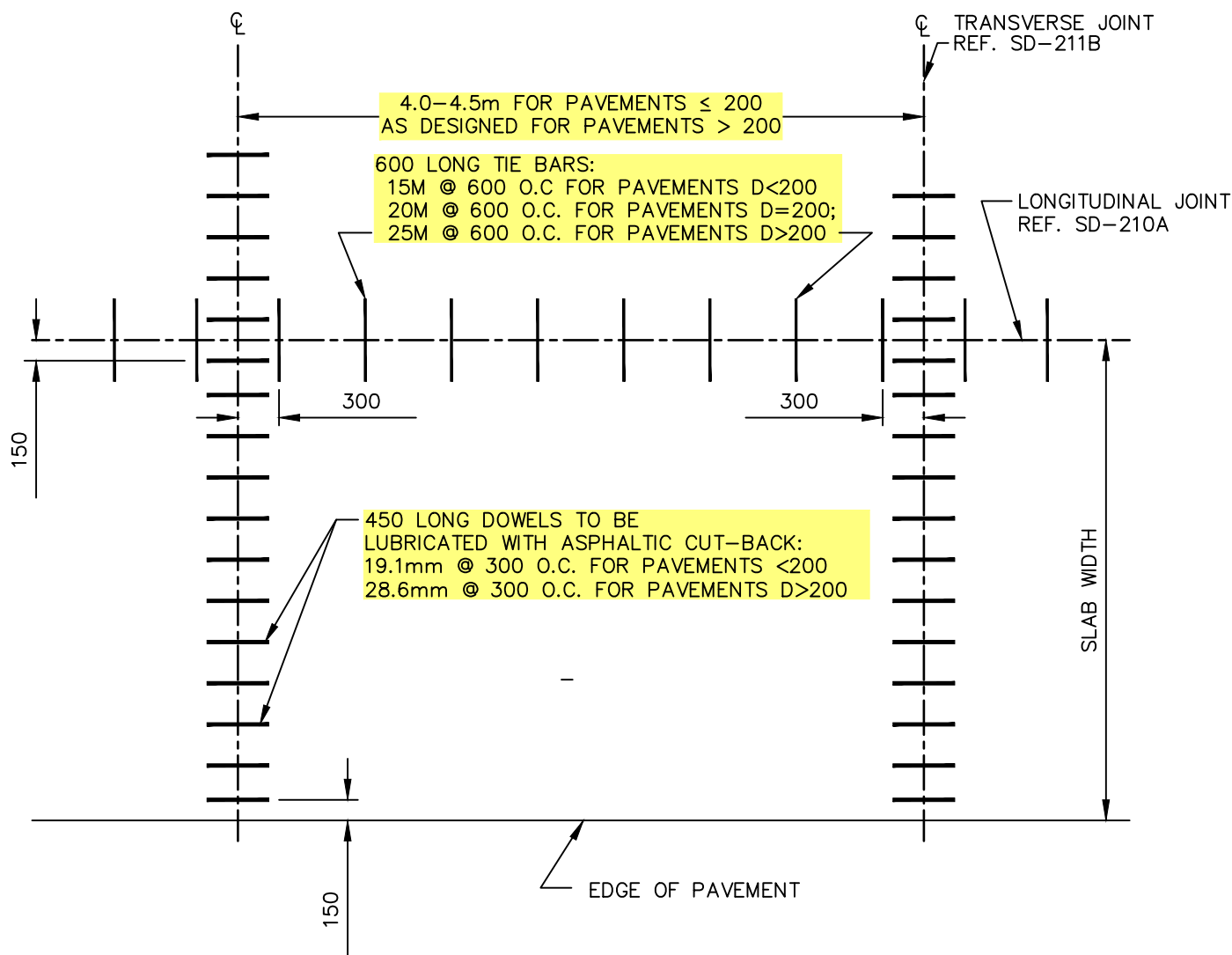
Checked By:  
B.P.

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.

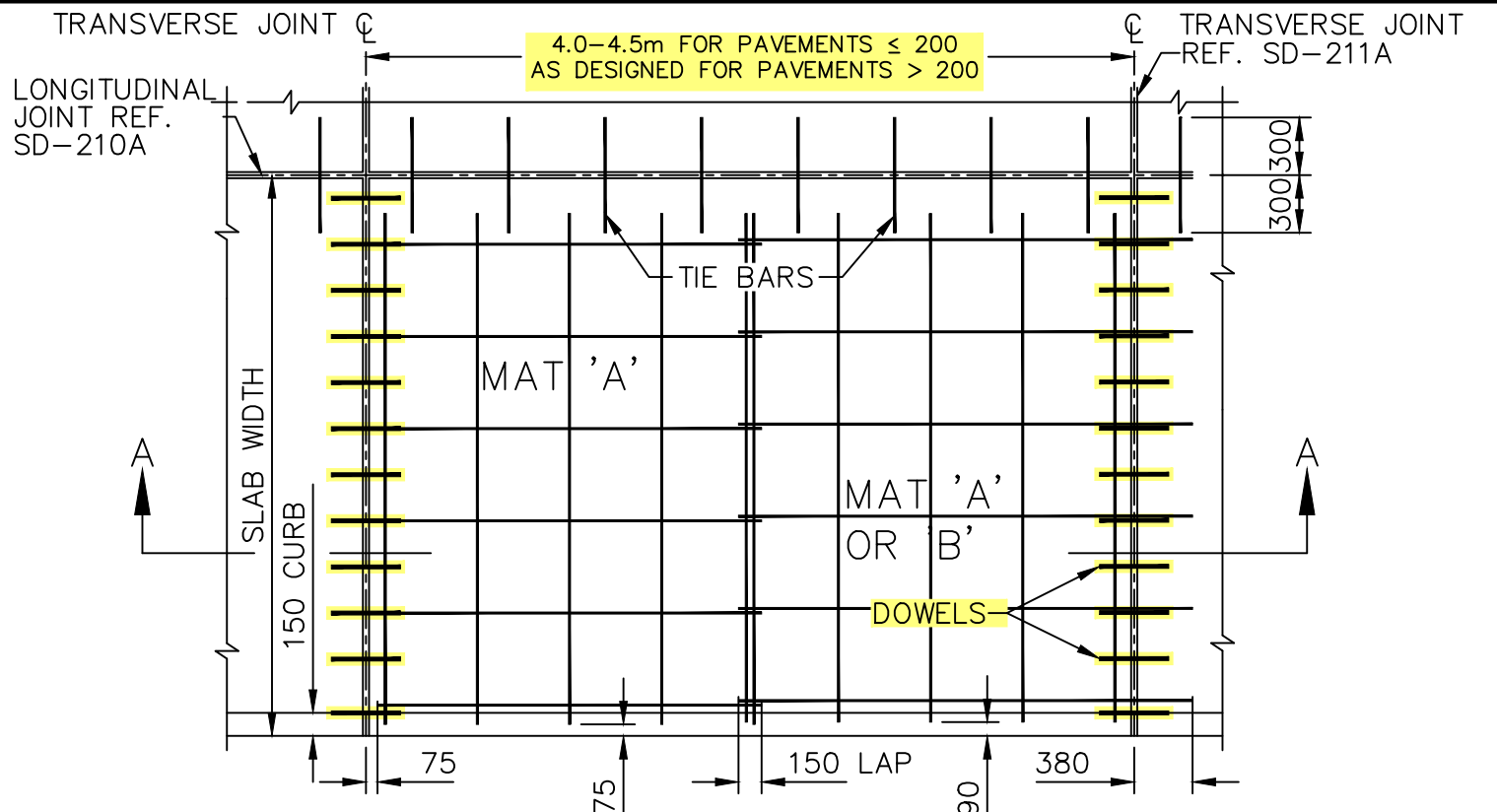
Checked By:  
B.K.

Date:  
2025-12-15

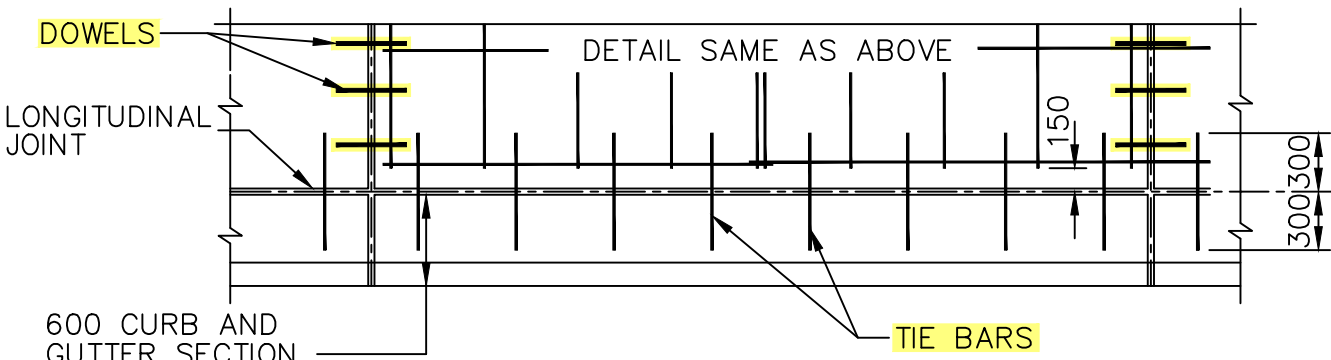
Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

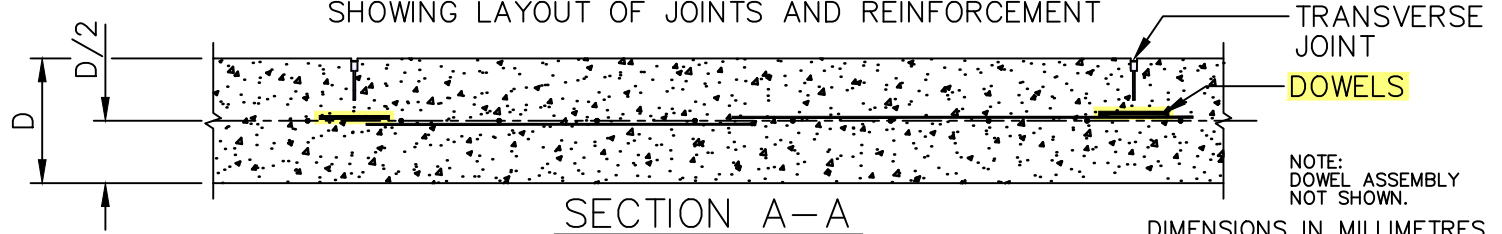
SD-215



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



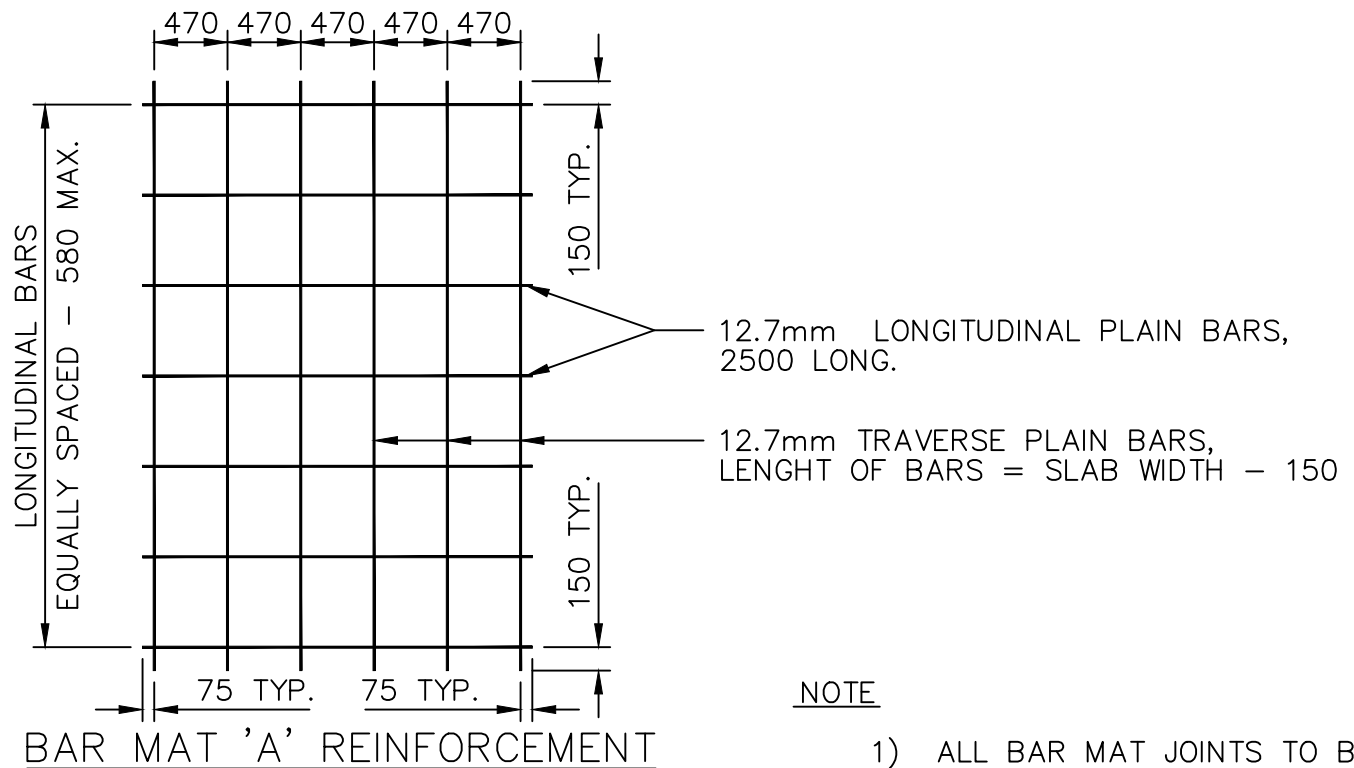
THE CITY OF WINNIPEG  
PUBLIC WORKS DEPARTMENT

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

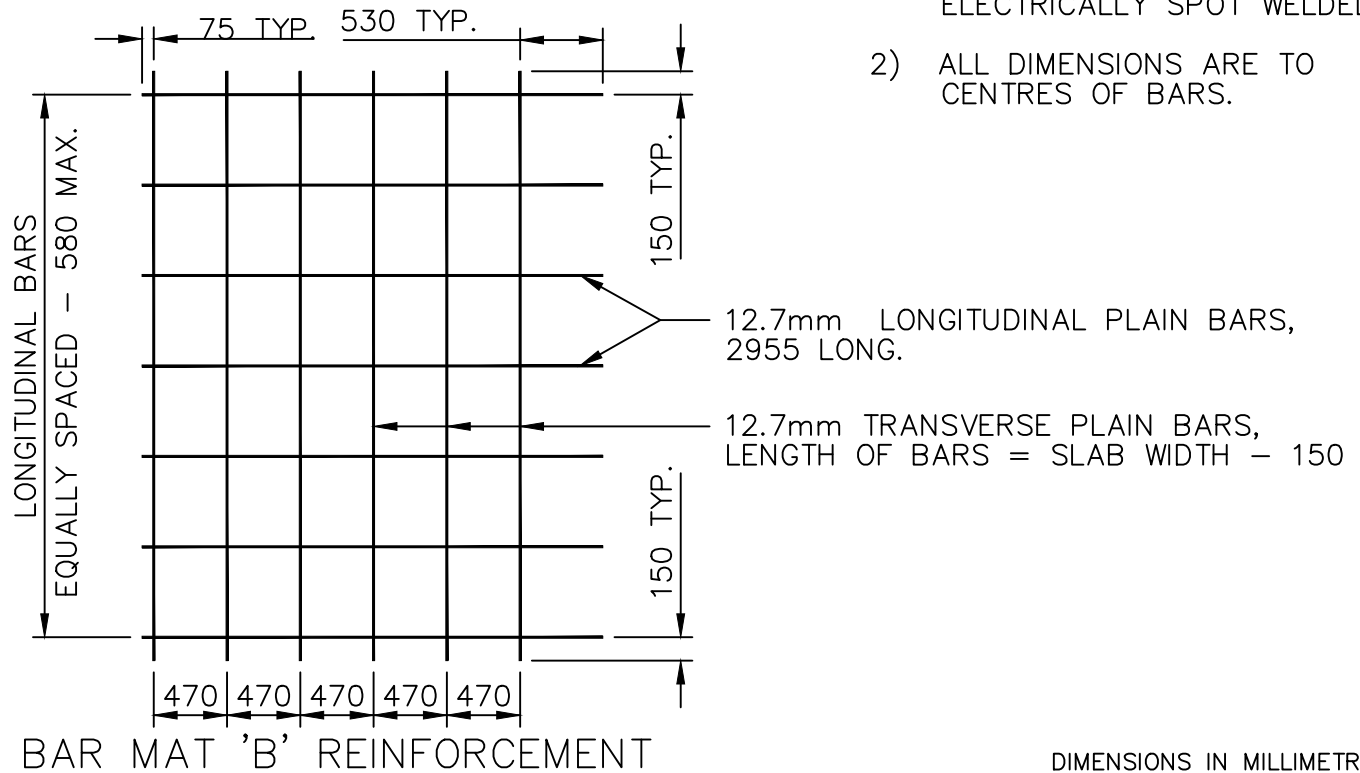
STEEL REINFORCEMENT FOR  
REINFORCED CONCRETE  
PAVEMENT

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



#### NOTE

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



DIMENSIONS IN MILLIMETRES



**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

Reference Spec. No.  
CW 3230, CW 3310

#### Revisions

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

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.

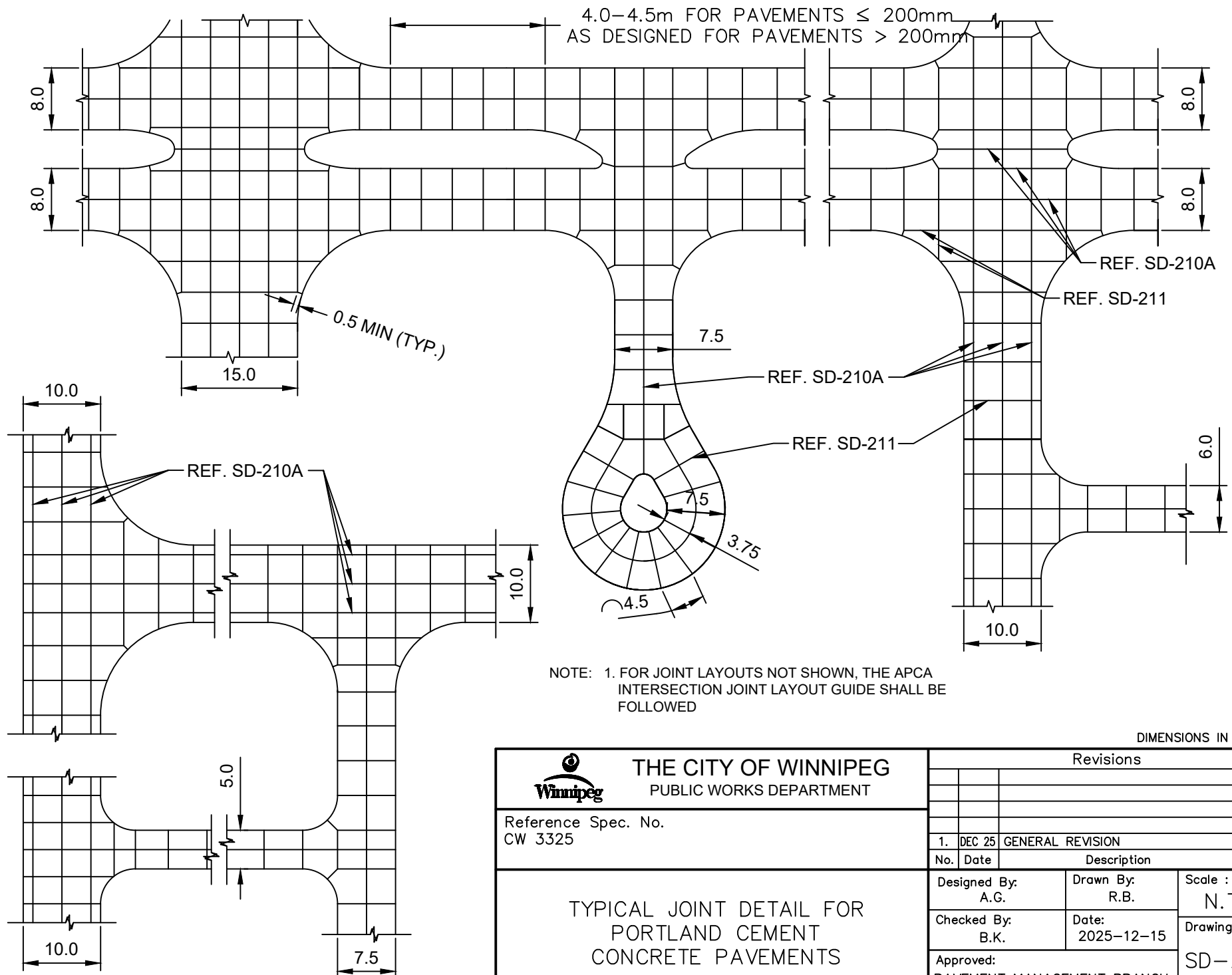
Date:  
2025-12-15

Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

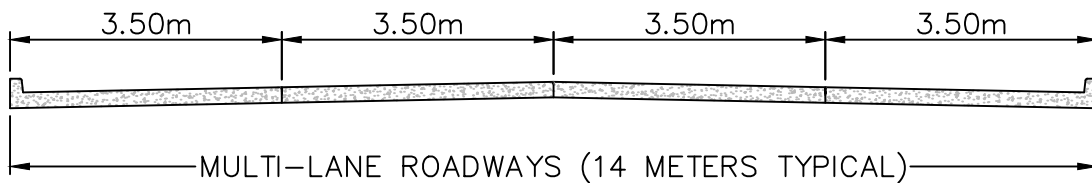
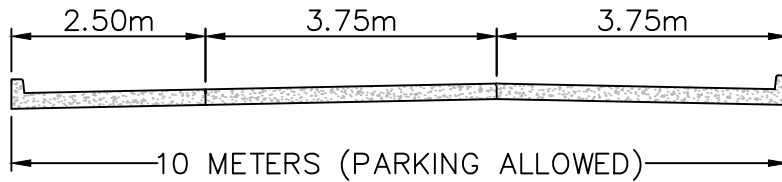
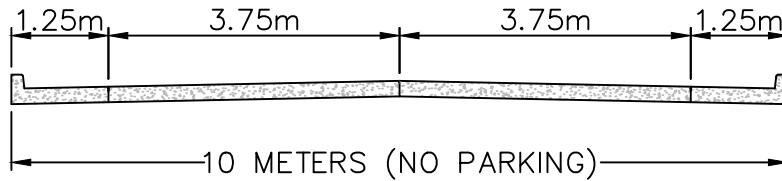
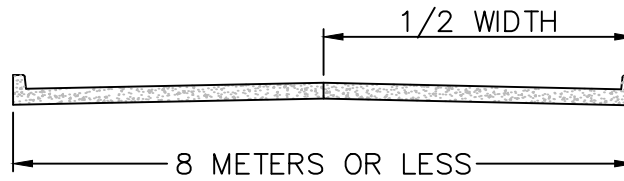
SD-217





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.

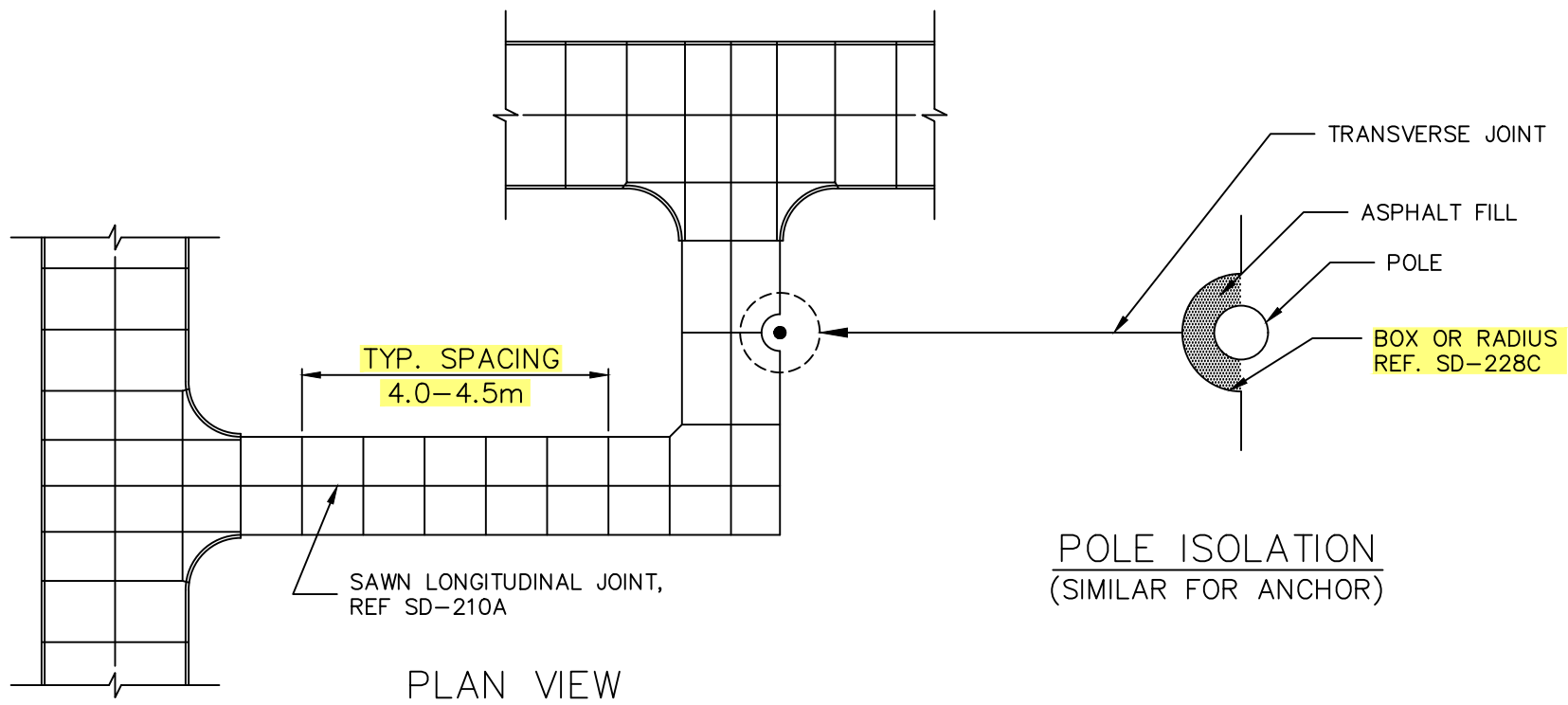
Checked By:  
L.S.W.Z

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.

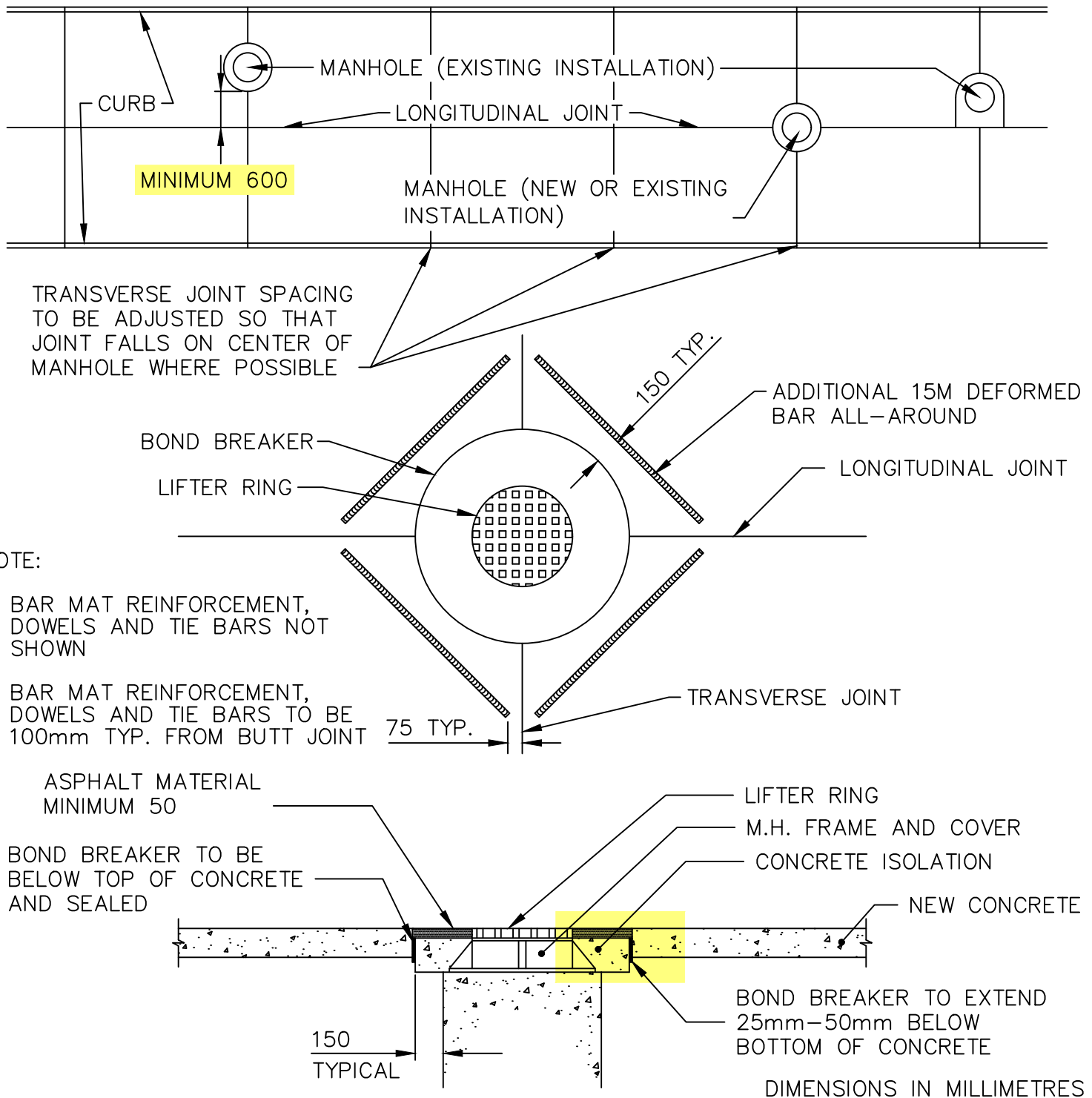
Checked By:  
A.G.

Date:  
2025-12-15

Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-219



# THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

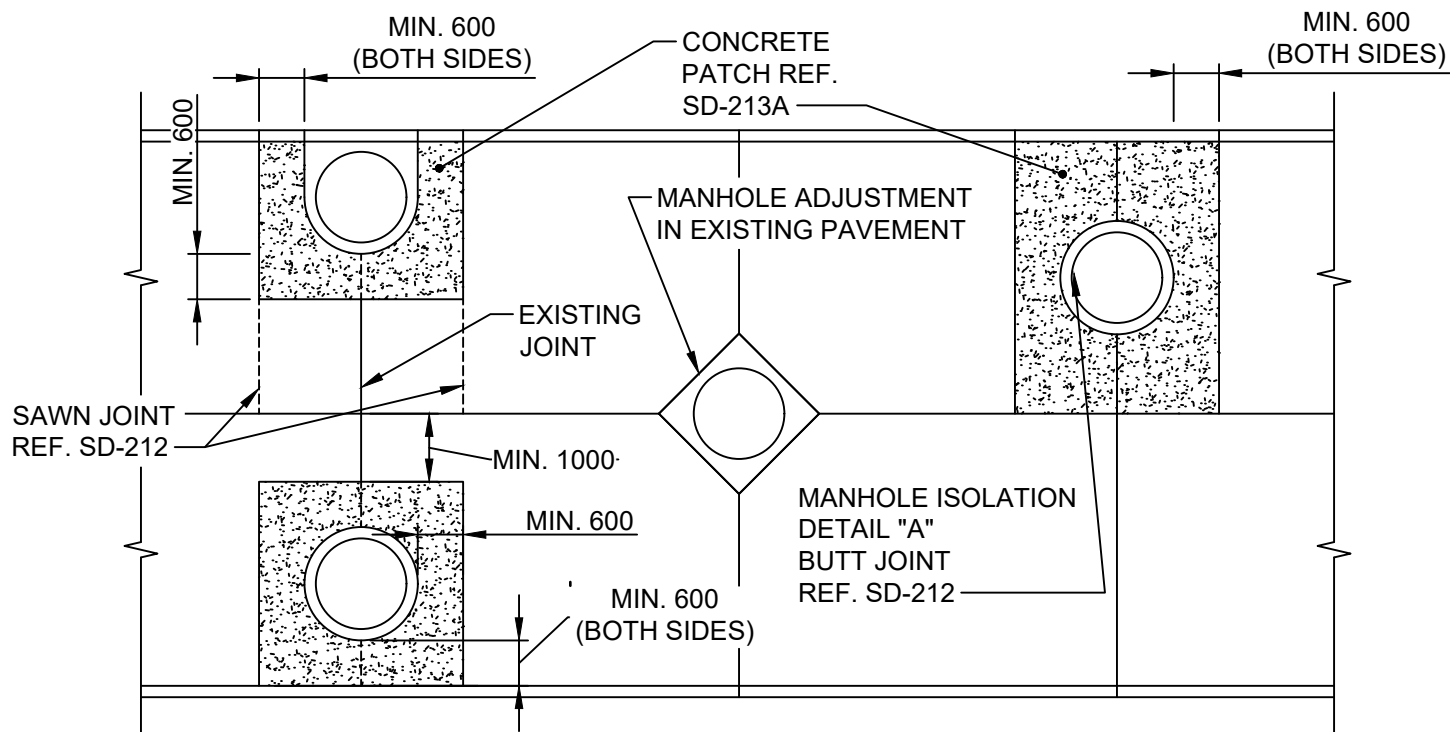
Reference Spec No.  
CW 3310

## MANHOLE ISOLATION DETAIL FOR CONCRETE PAVEMENTS

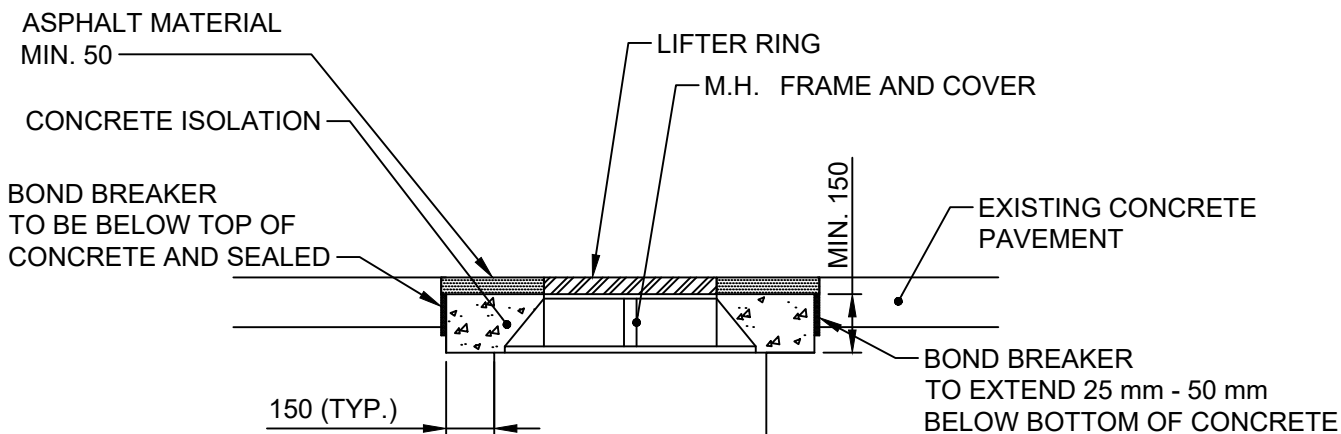
### Revisions

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

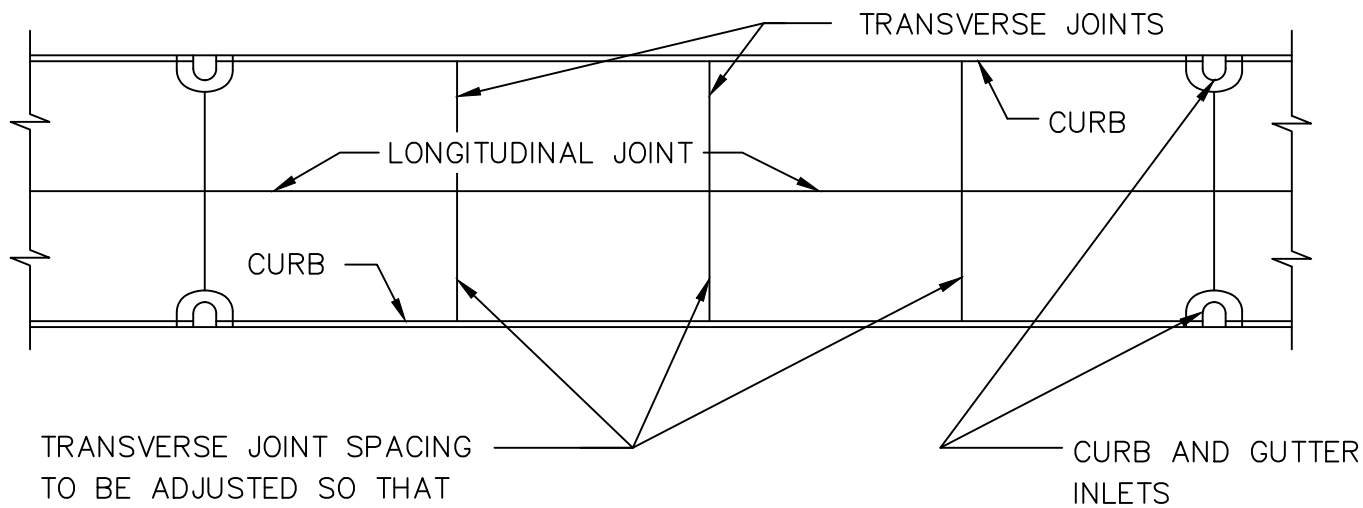
Reference Spec. No.  
CW 3210, CW 3230, CW 3310

### Revisions

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

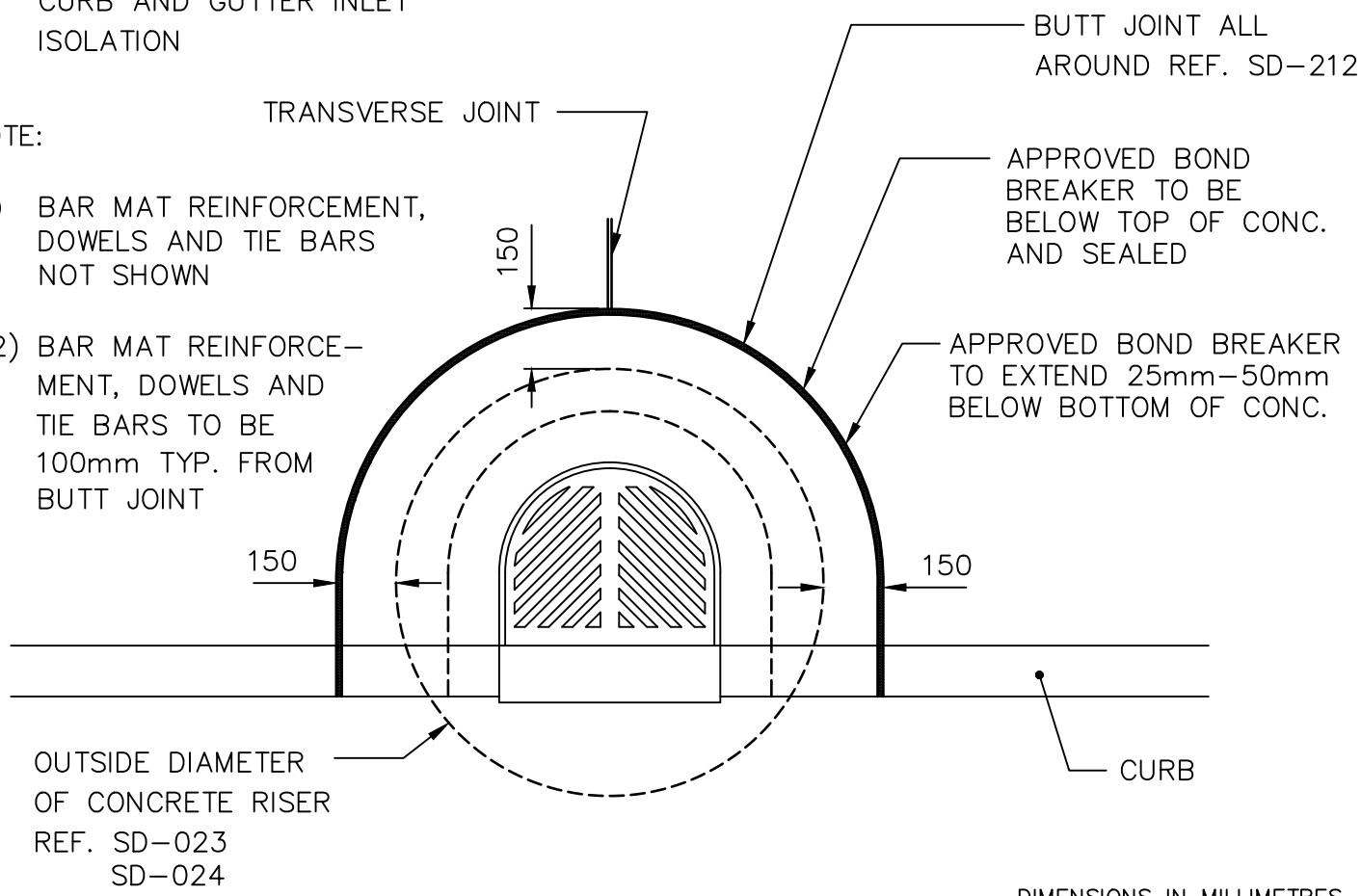
MANHOLE ISOLATION DETAIL  
IN EXISTING PAVEMENTS

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

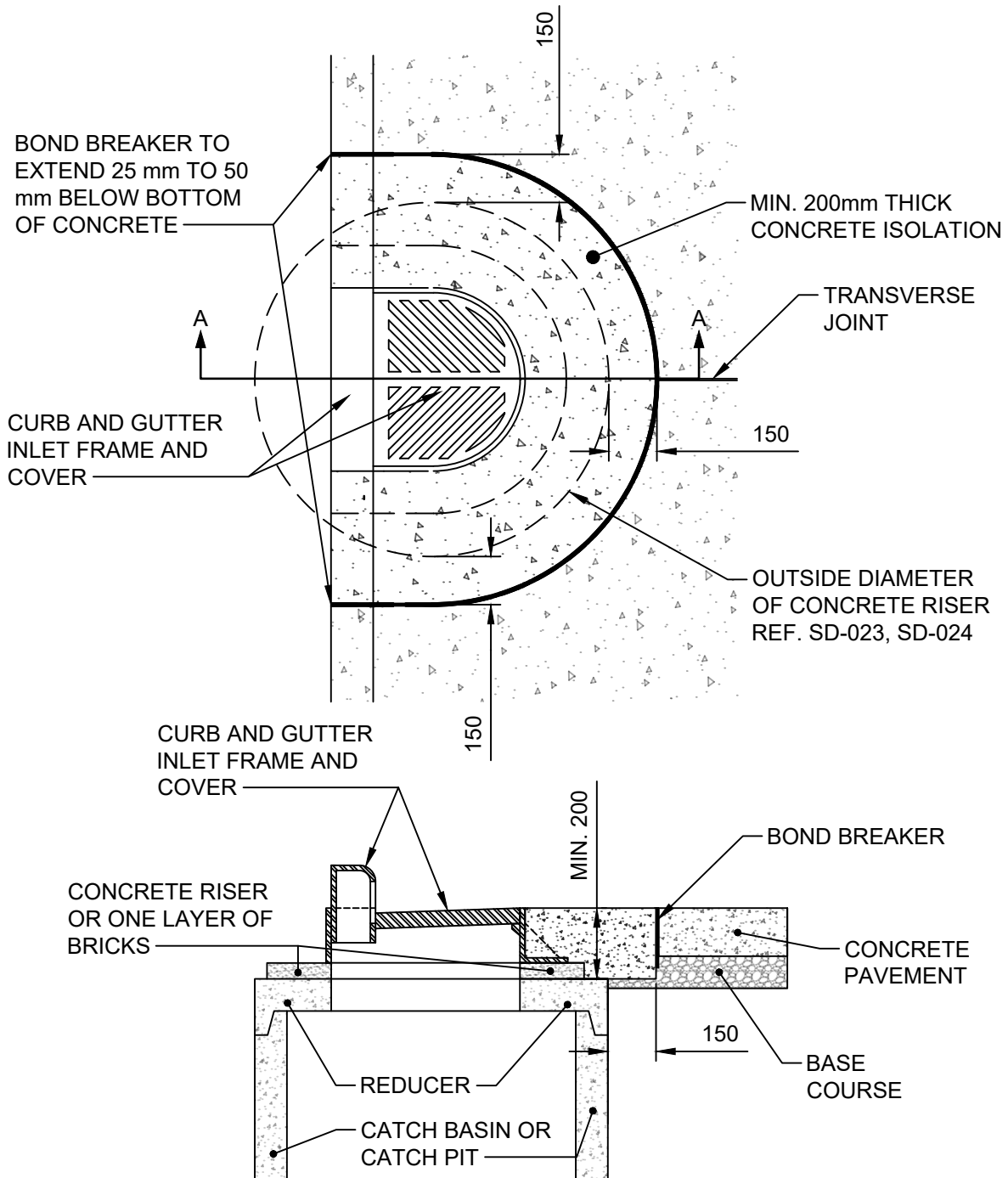


**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

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			



## SECTION A-A

DIMENSIONS IN MILLIMETRES



**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

Reference Spec. No.  
CW 3325

### Revisions

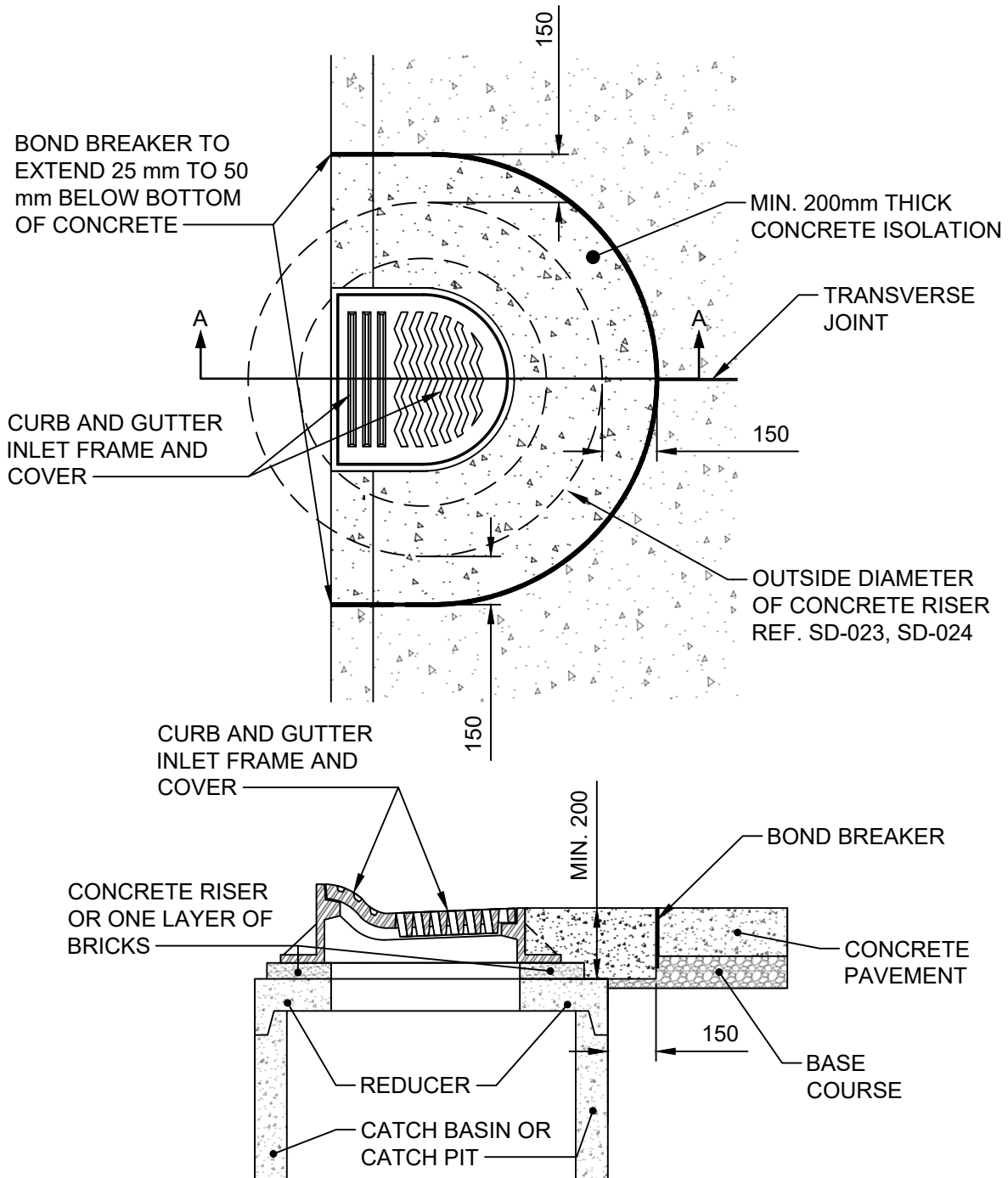

No.	Date	Description	By
-----	------	-------------	----

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-220D

**BARRIER CURB AND GUTTER  
INLET ISOLATION DETAIL FOR  
EXPOSED CONCRETE PAVEMENTS**







## SECTION A-A

DIMENSIONS IN MILLIMETRES



**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

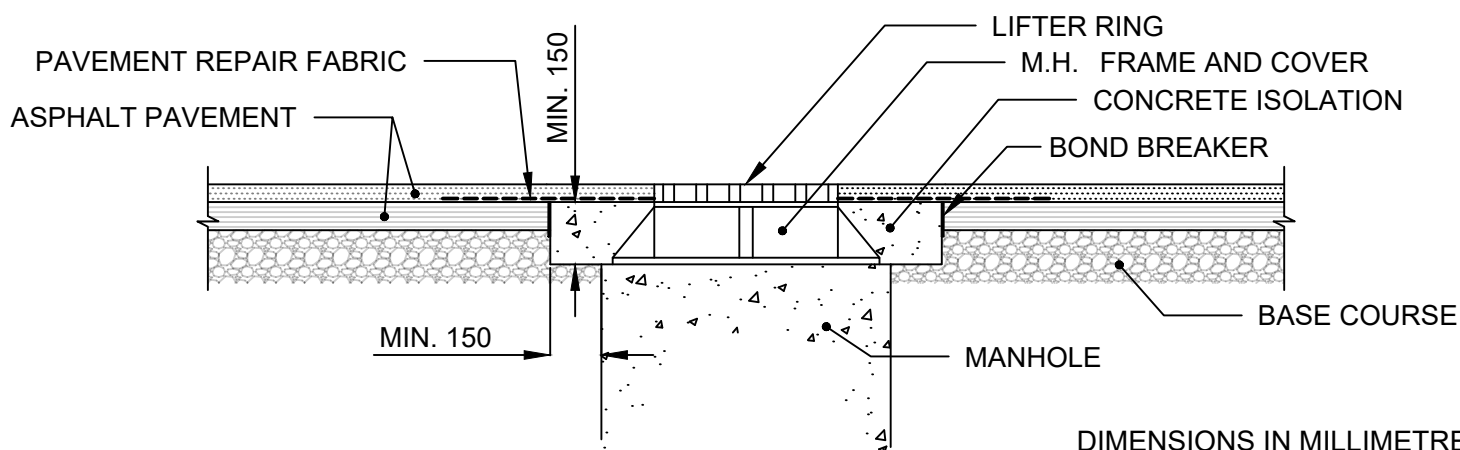
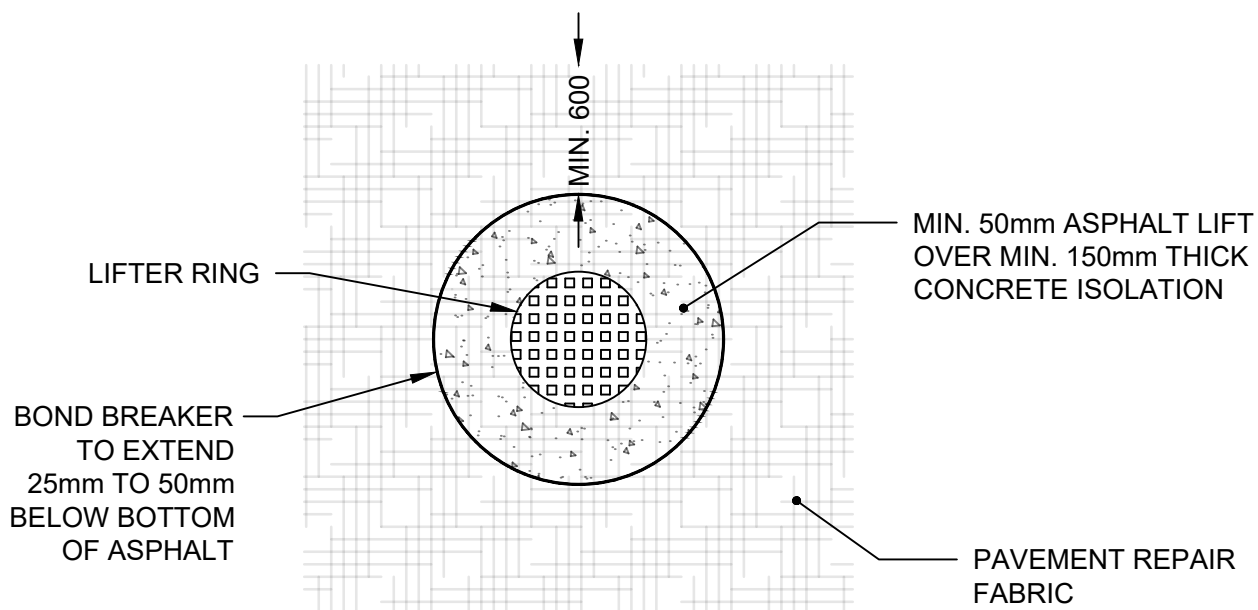
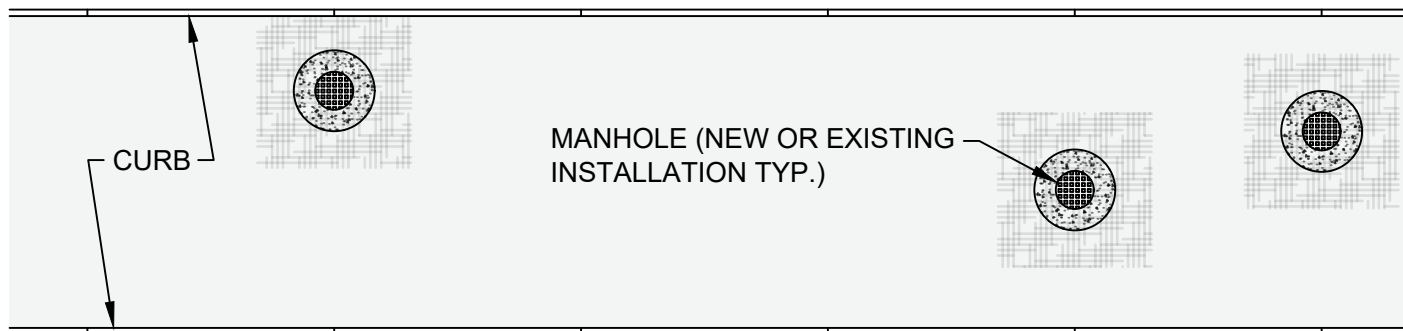
Reference Spec. No.  
CW 3325

### 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.

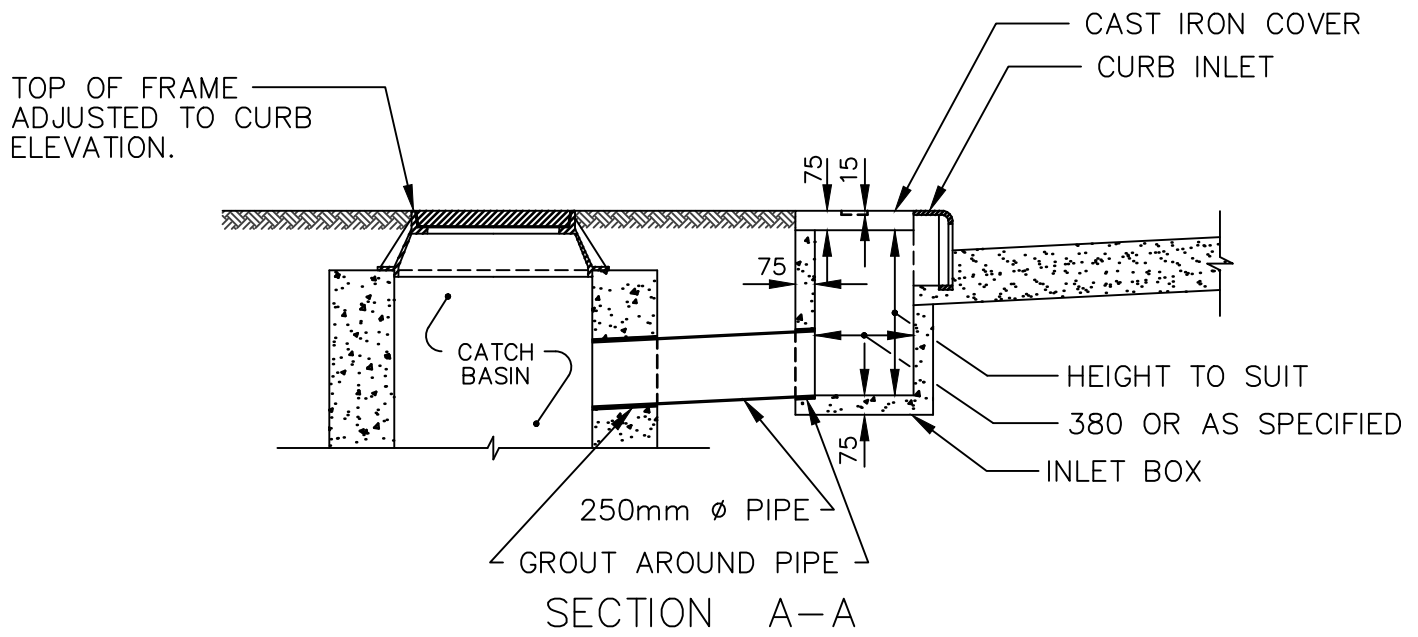
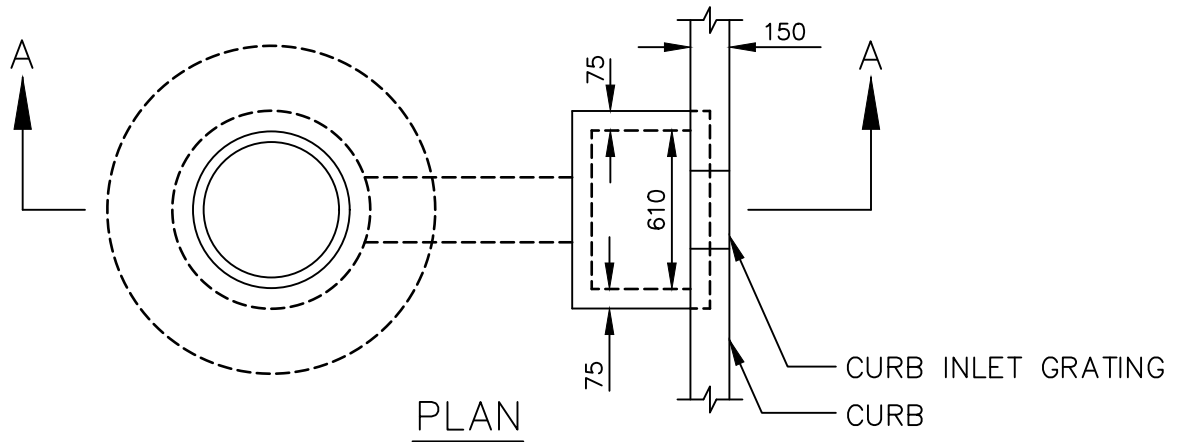
Date:  
2026-1-15

Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-220G





NOTE

- 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

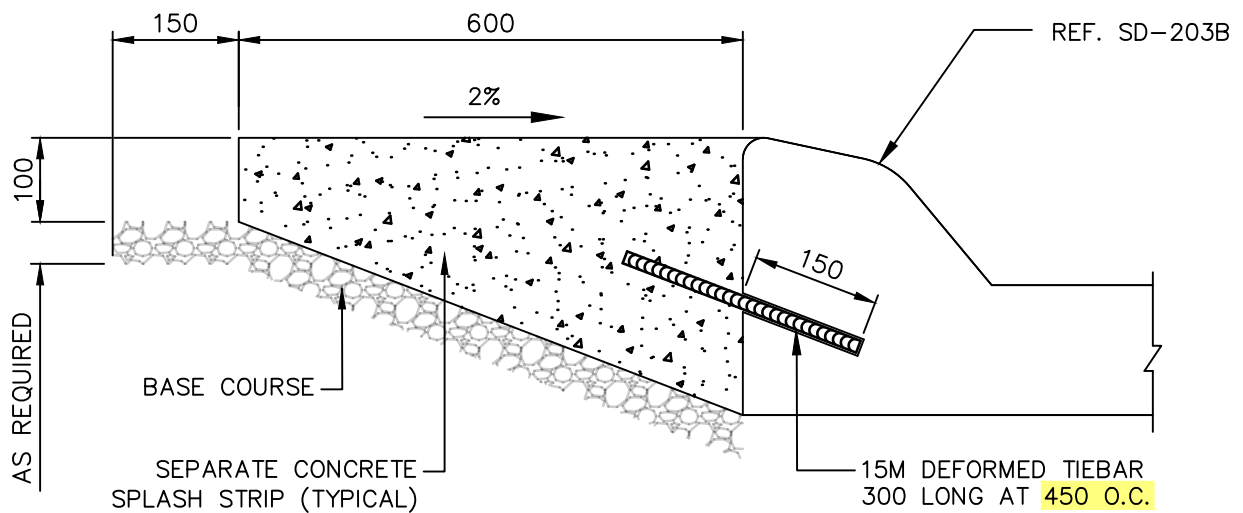
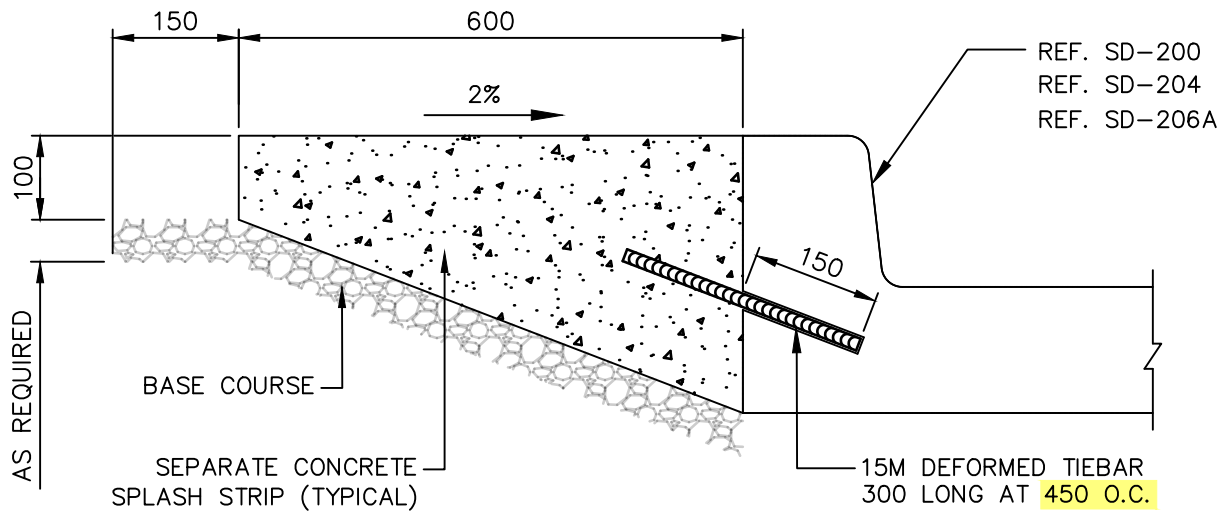
Reference Spec. No.  
CW 3210

Revisions

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

CURB INLET WITH  
CATCH BASIN IN BOULEVARD

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.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-222



DIMENSIONS IN MILLIMETRES



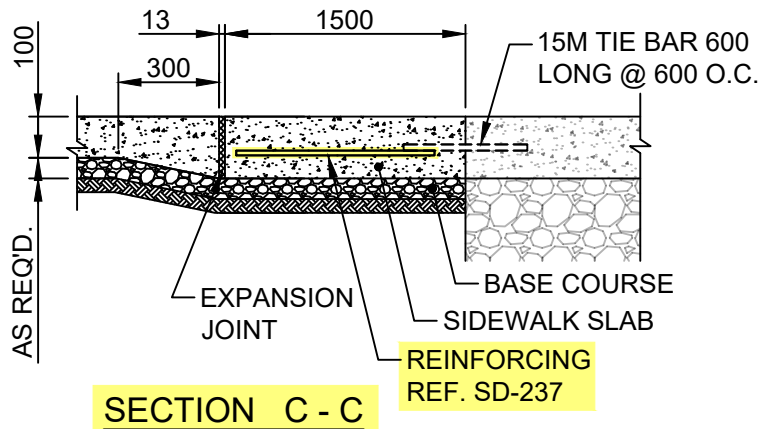
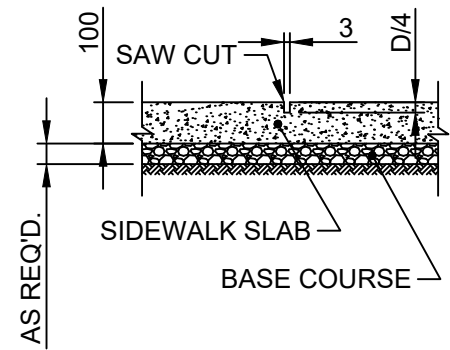
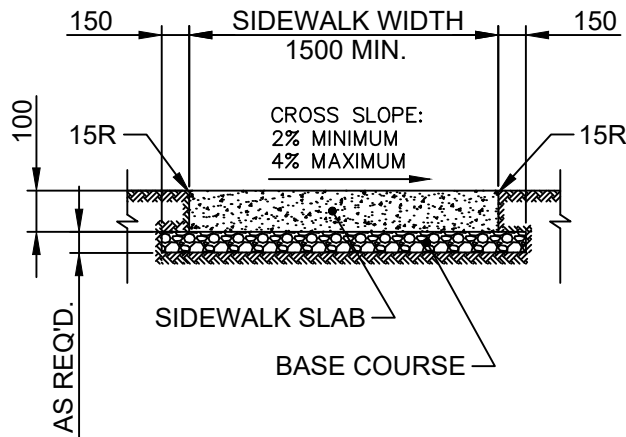
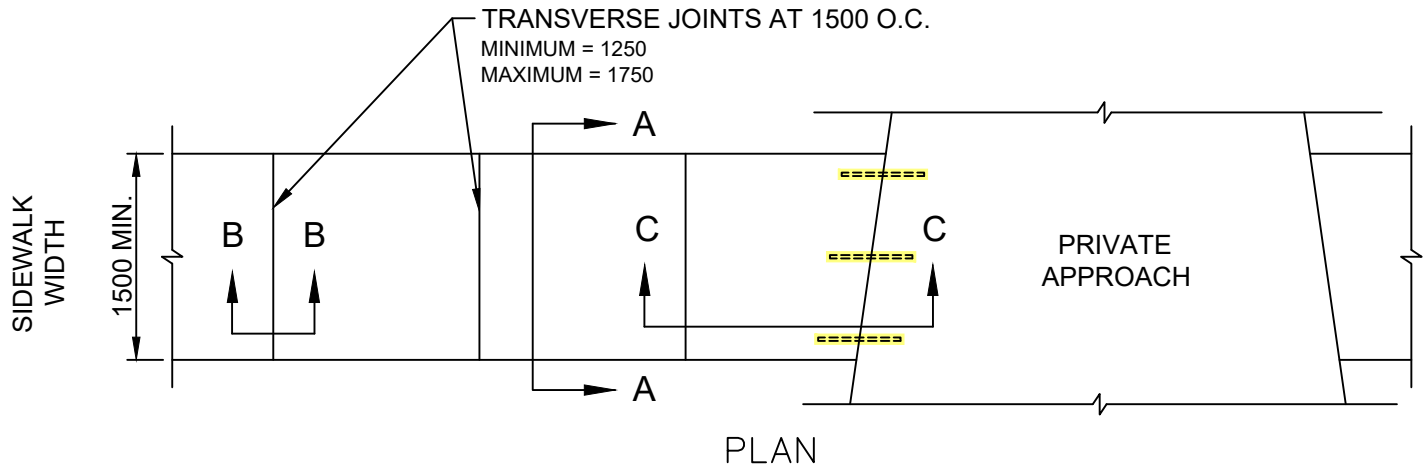
**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

Reference Spec. No.  
CW 3310

SEPARATE CONCRETE  
SPLASH STRIP

Revisions			
No.	Date	Description	By
1.	DEC 25	GENERAL REVISION	T.K.

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-223B



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

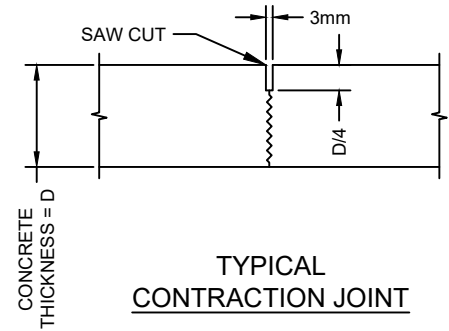
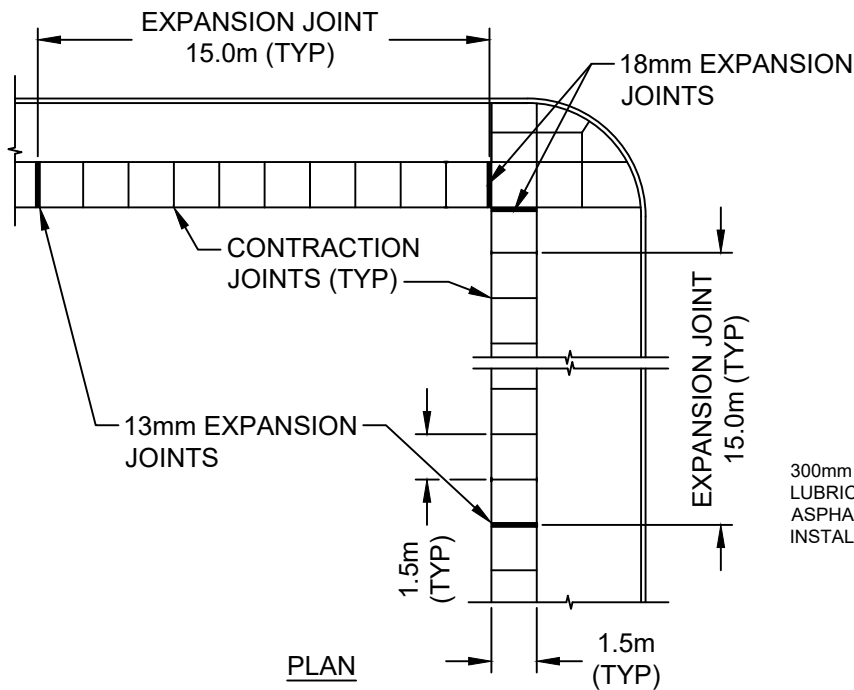


THE CITY OF WINNIPEG  
PUBLIC WORKS DEPARTMENT

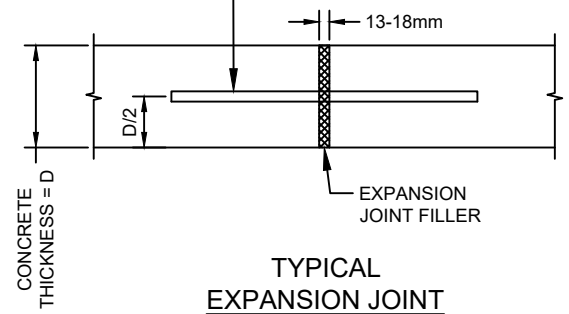
Reference Spec. No.  
CW 3235, CW 3310, CW 3325

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**

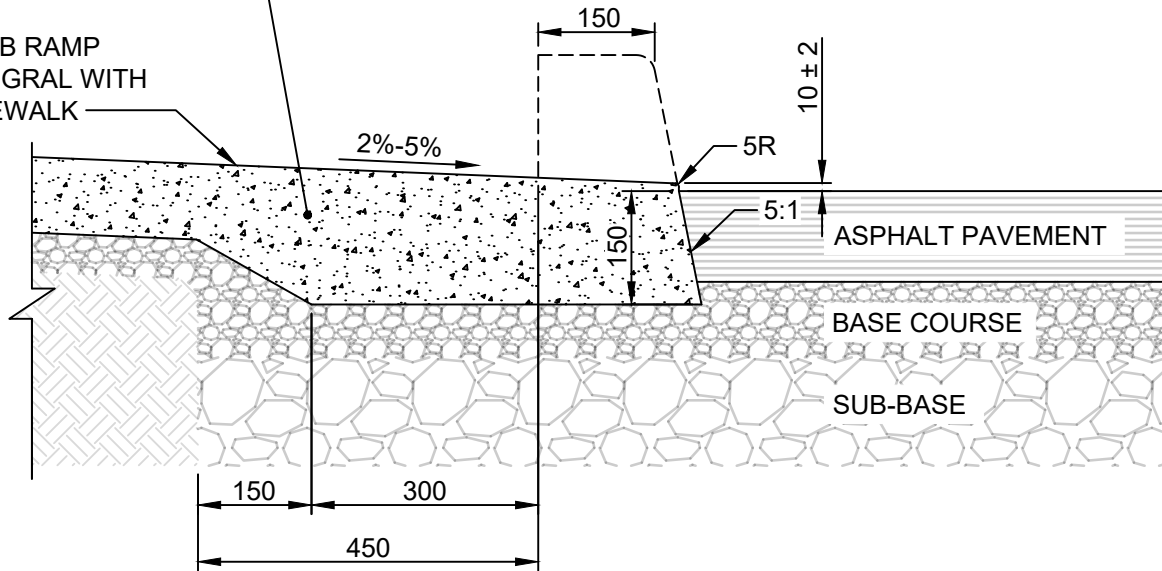
**Revisions**


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.

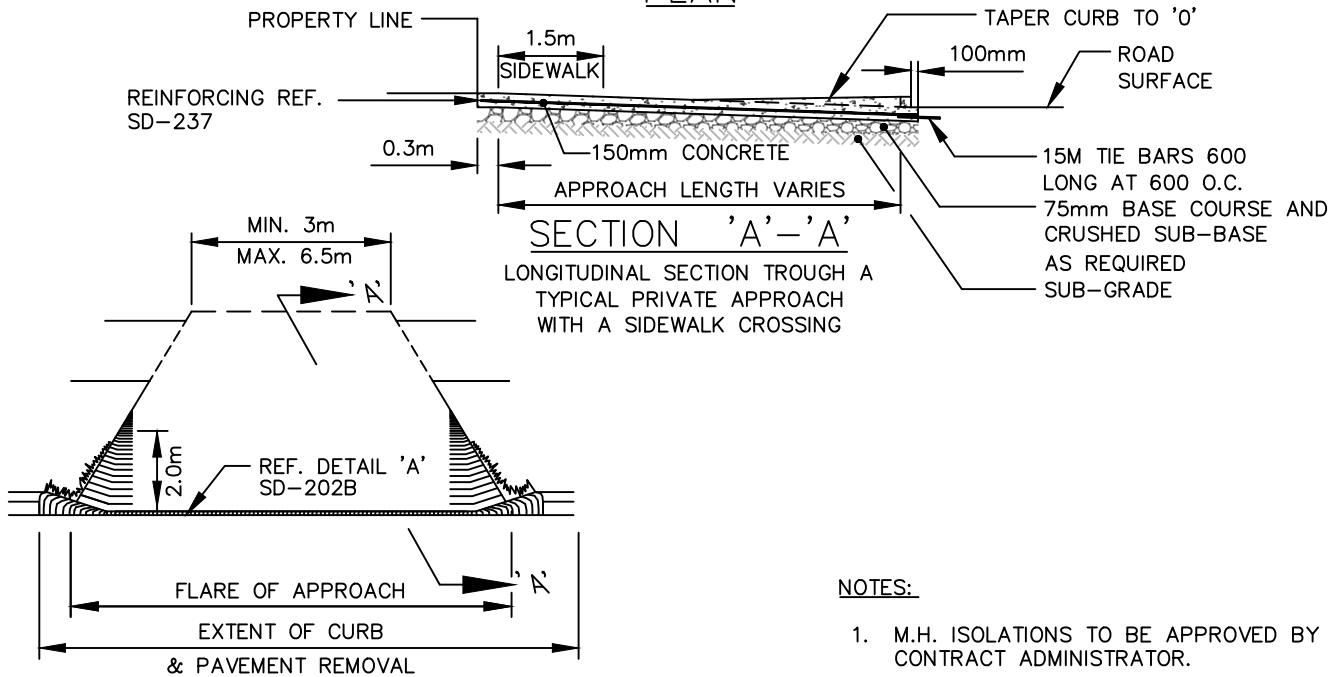
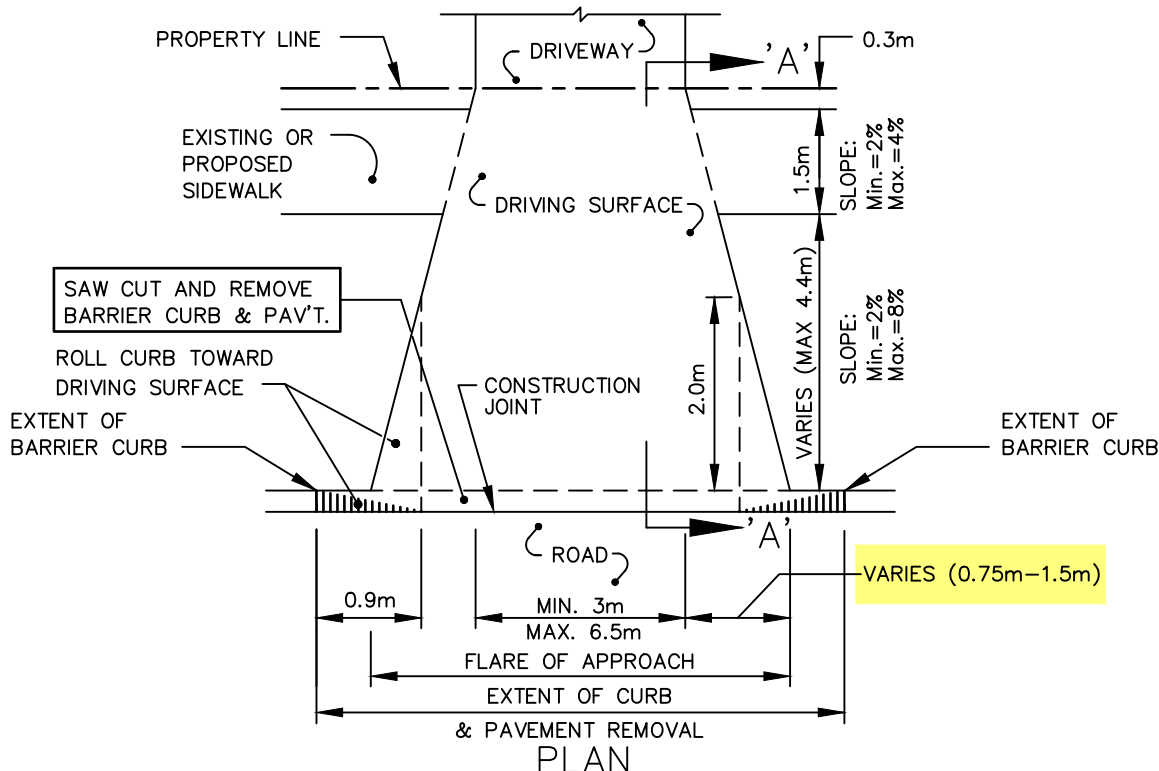
Date:  
2025-12-15

Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

SD-229F





FRONTAL PERSPECTIVE OF FINISHED PRIVATE APPROACH

NOTES:

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.

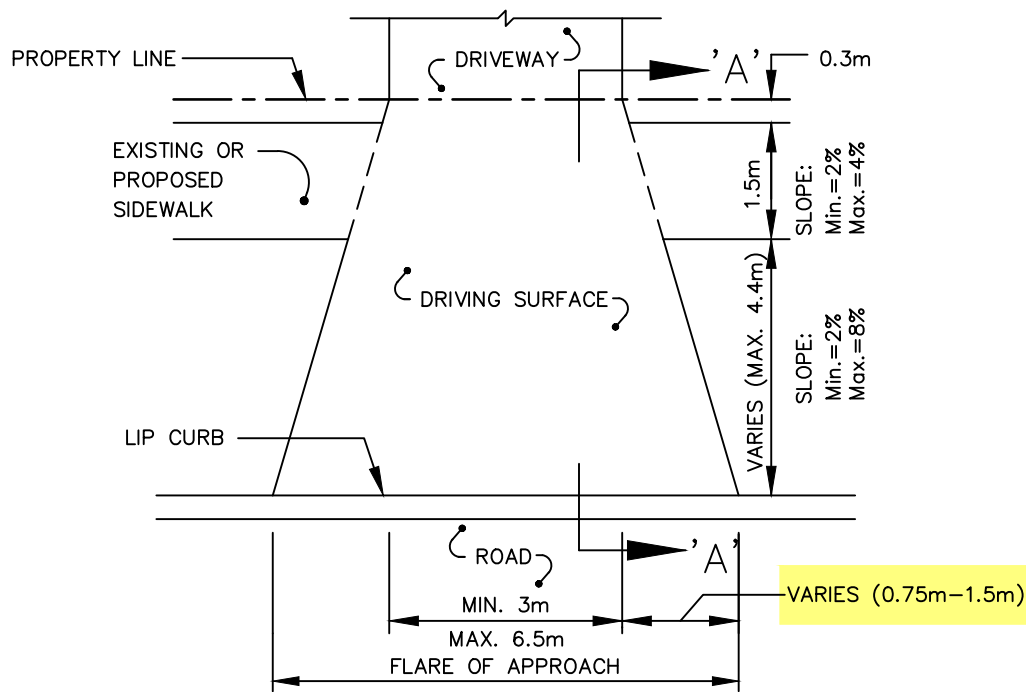
Checked By:  
B.P.

Date:  
2025-12-15

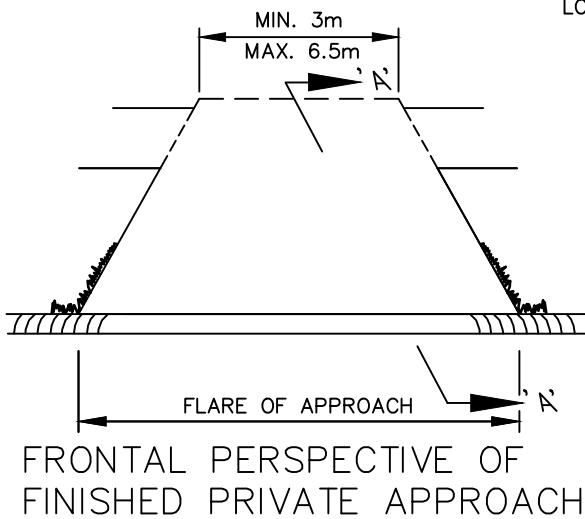
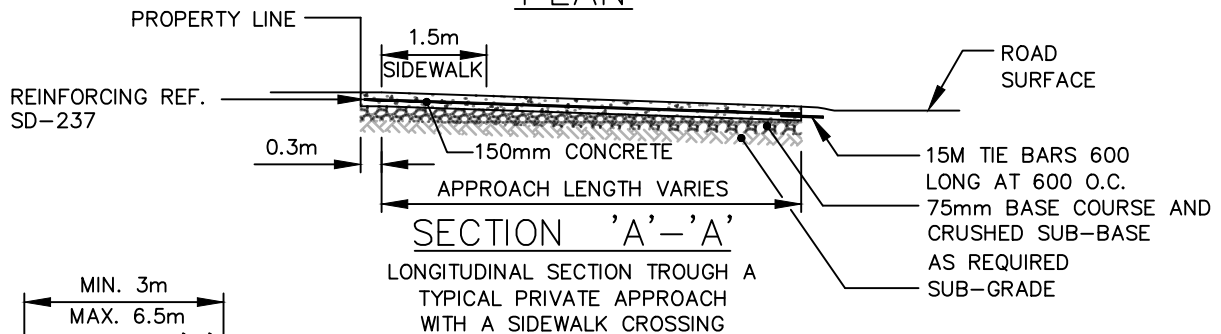
Drawing No.

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.

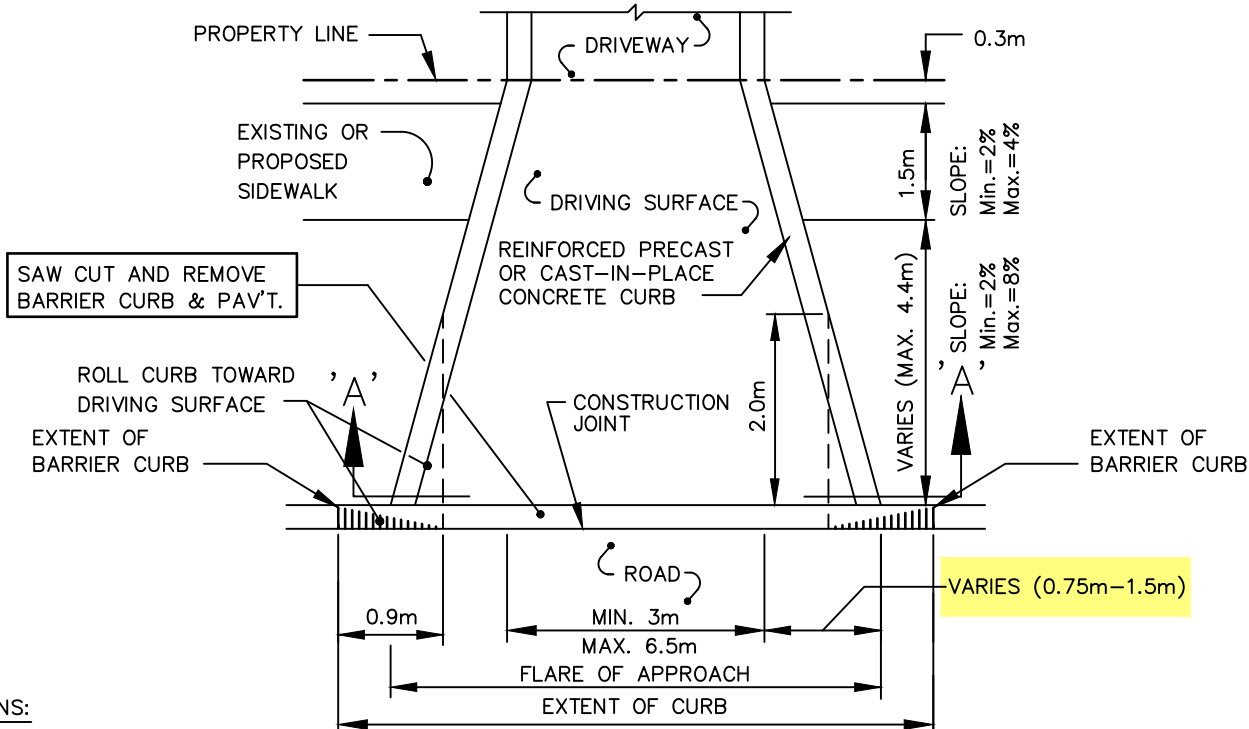
Checked By:  
B.P.

Date:  
2025-12-15

Drawing No.

Approved:  
SURFACE WORKS COMMITTEE

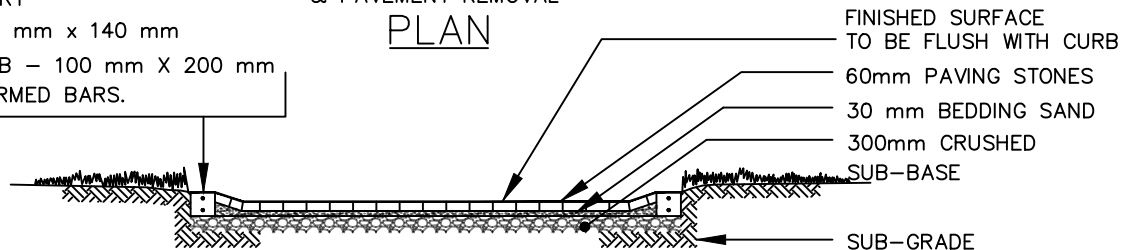
SD-236



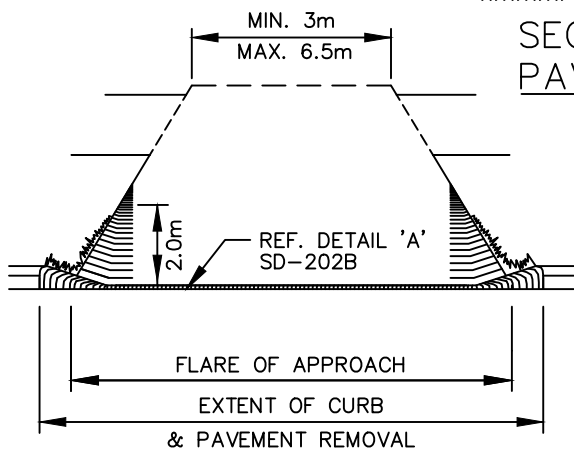
#### OPTIONS:

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.

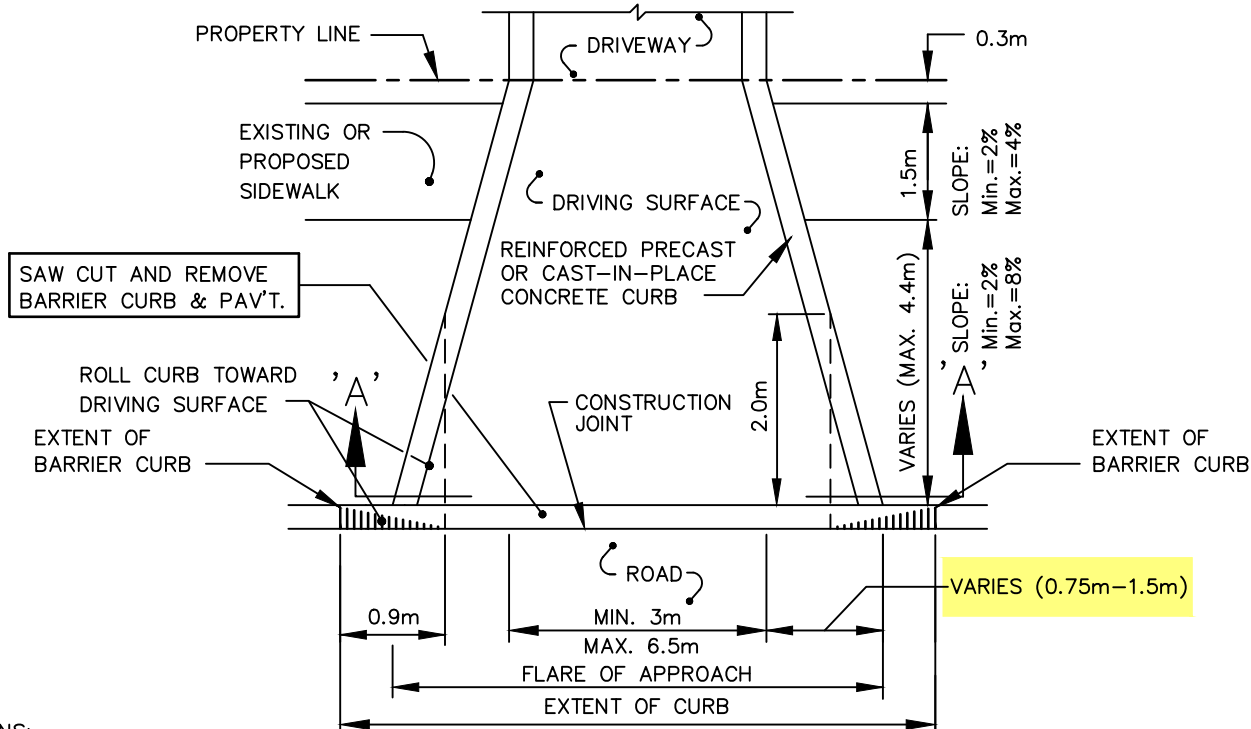
Checked By:  
D.R.K.

Date:  
2025-12-15

Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

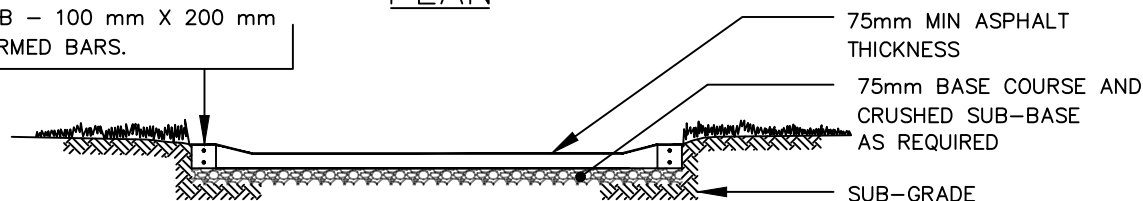
SD-237A



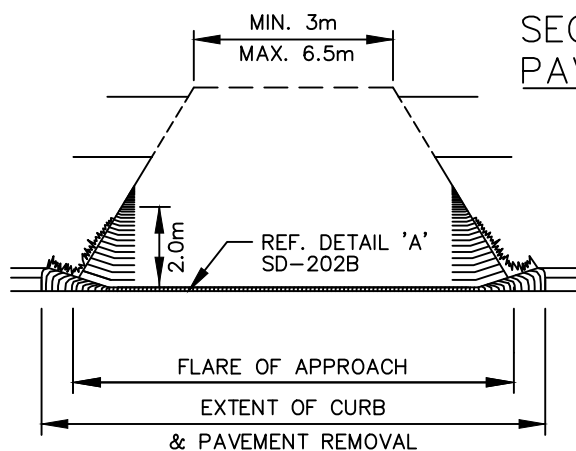
#### OPTIONS:

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

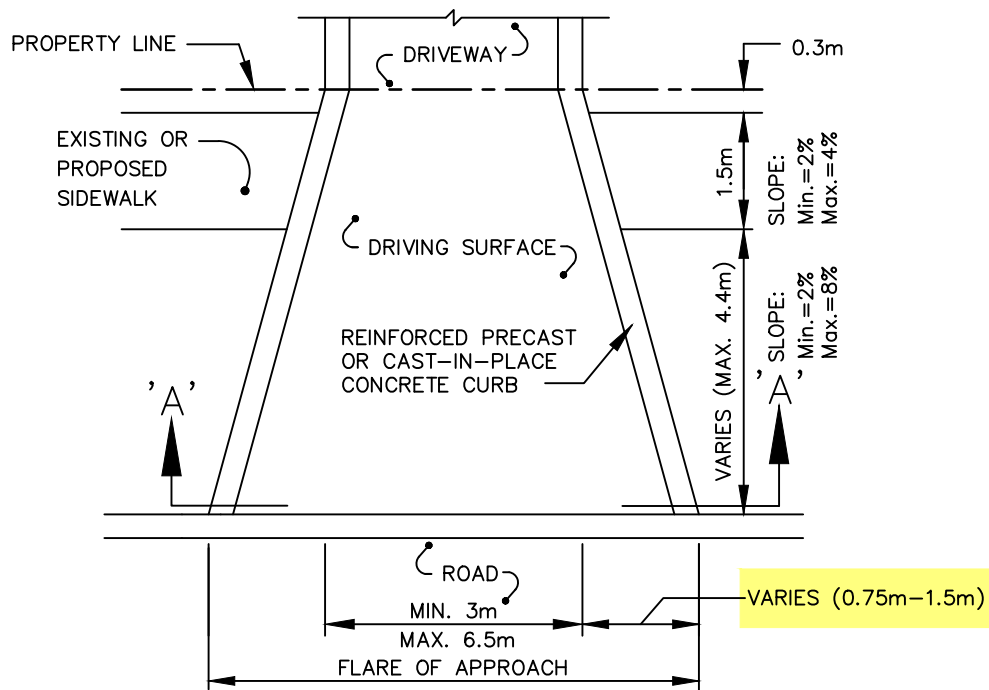
Reference Spec. No.  
CW 3230, CW 3240, CW 3310, CW 3330, CW 3410

#### Revisions

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

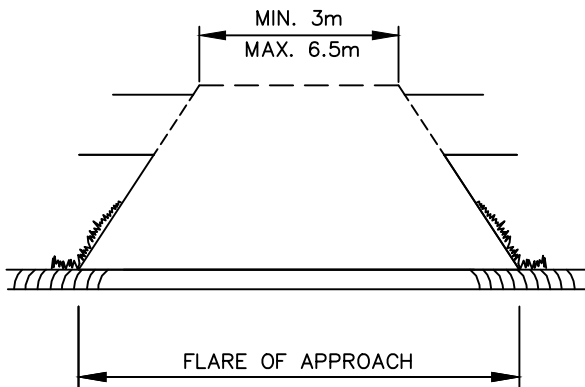
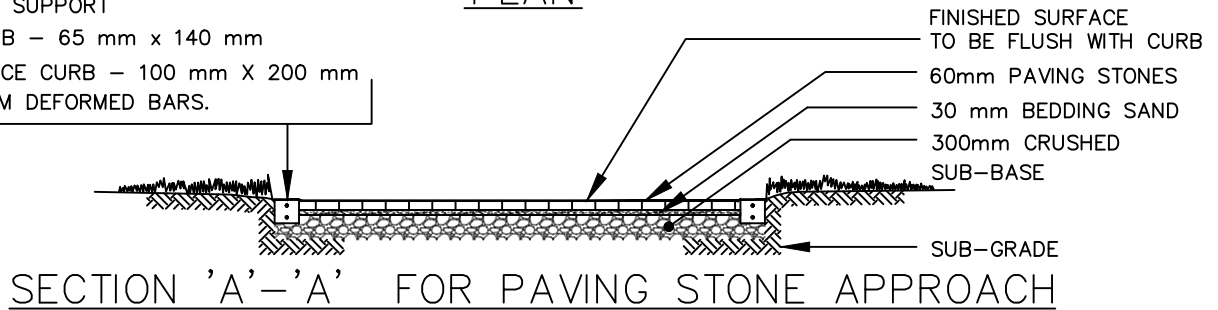
### RESIDENTIAL APPROACH-ASPHALT (WITH EXISTING BARRIER CURB)

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**

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

Designed By:  
L.S.W.L.

Drawn By:  
T.K.

Scale :  
N.T.S.

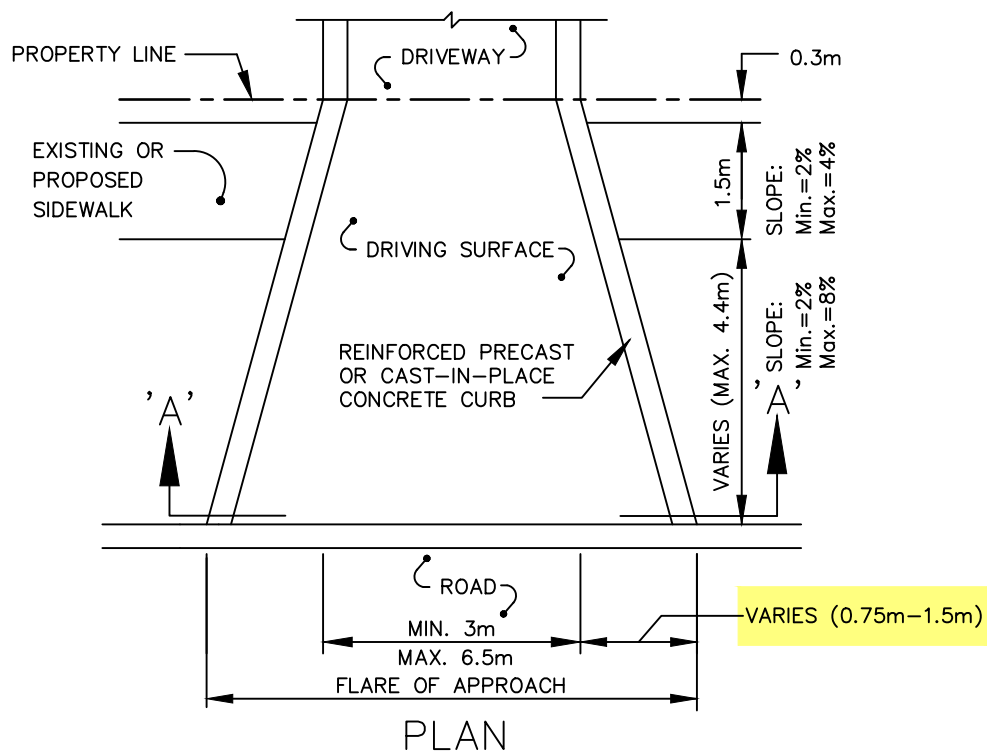
Checked By:  
D.R.K.

Date:  
2025-12-15

Drawing No.

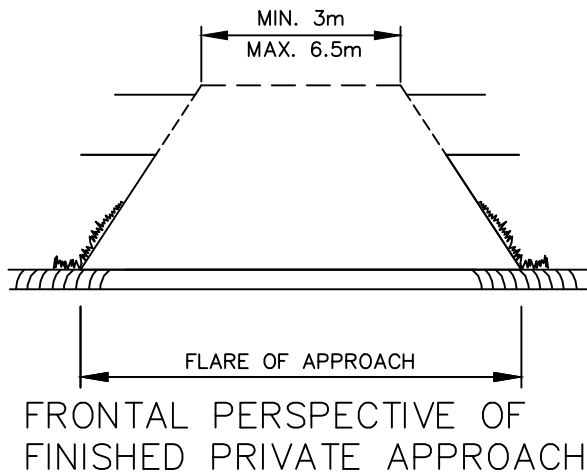
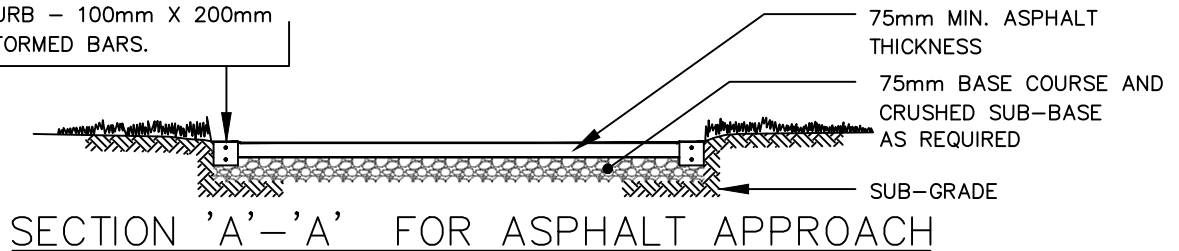
Approved:  
PAVEMENT MANAGEMENT BRANCH

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

**RESIDENTIAL APPROACH-ASPHALT**  
(WITH EXISTING LIP CURB)

**Revisions**

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

Designed By:  
L.S.W.L.

Drawn By:  
T.K.

Scale :  
N.T.S.

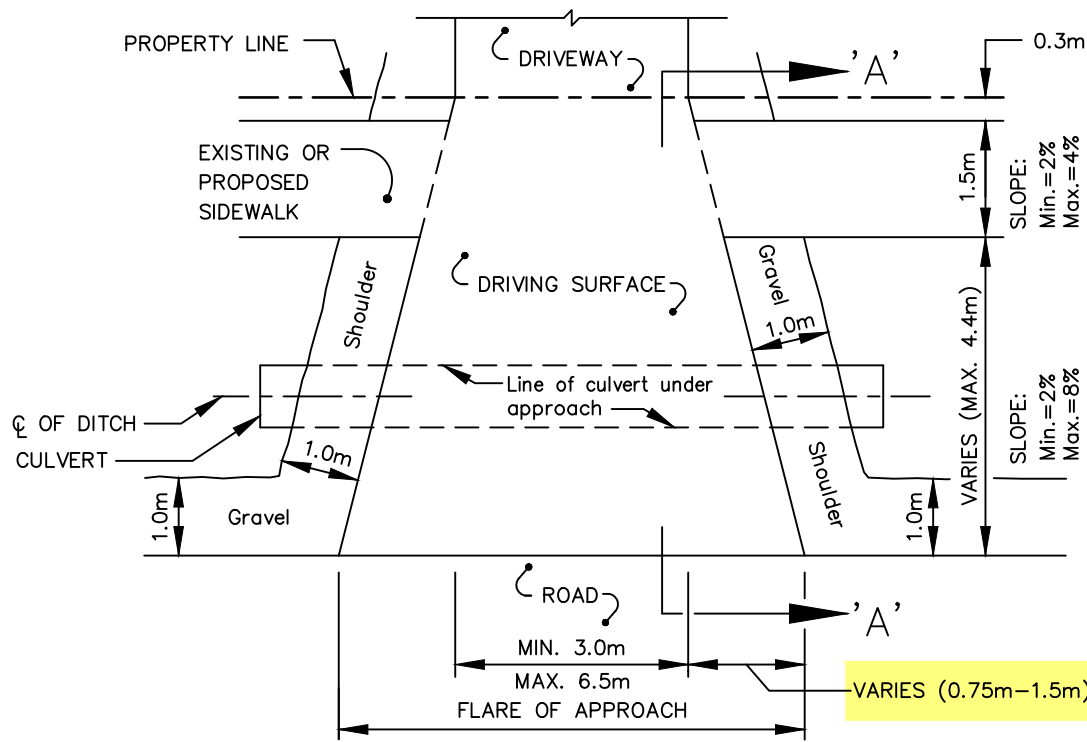
Checked By:  
D.R.K.

Date:  
2025-12-15

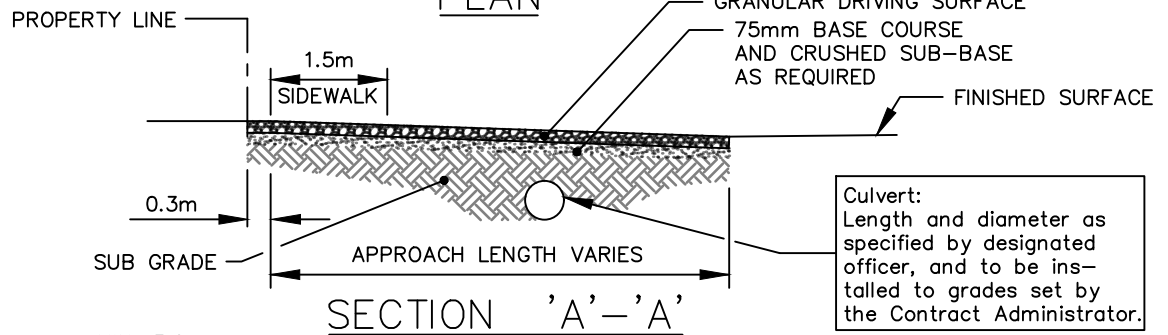
Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

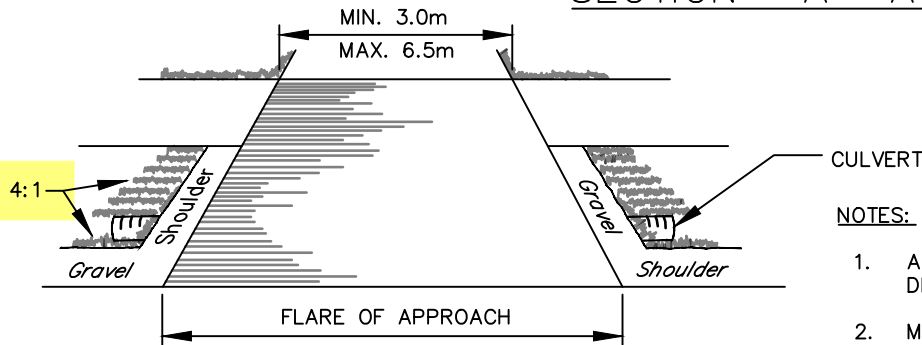
SD-238B



### PLAN



### SECTION 'A'-'A'



### 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

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

Designed By:  
B.P.

Drawn By:  
T.K.

Scale :  
N.T.S.

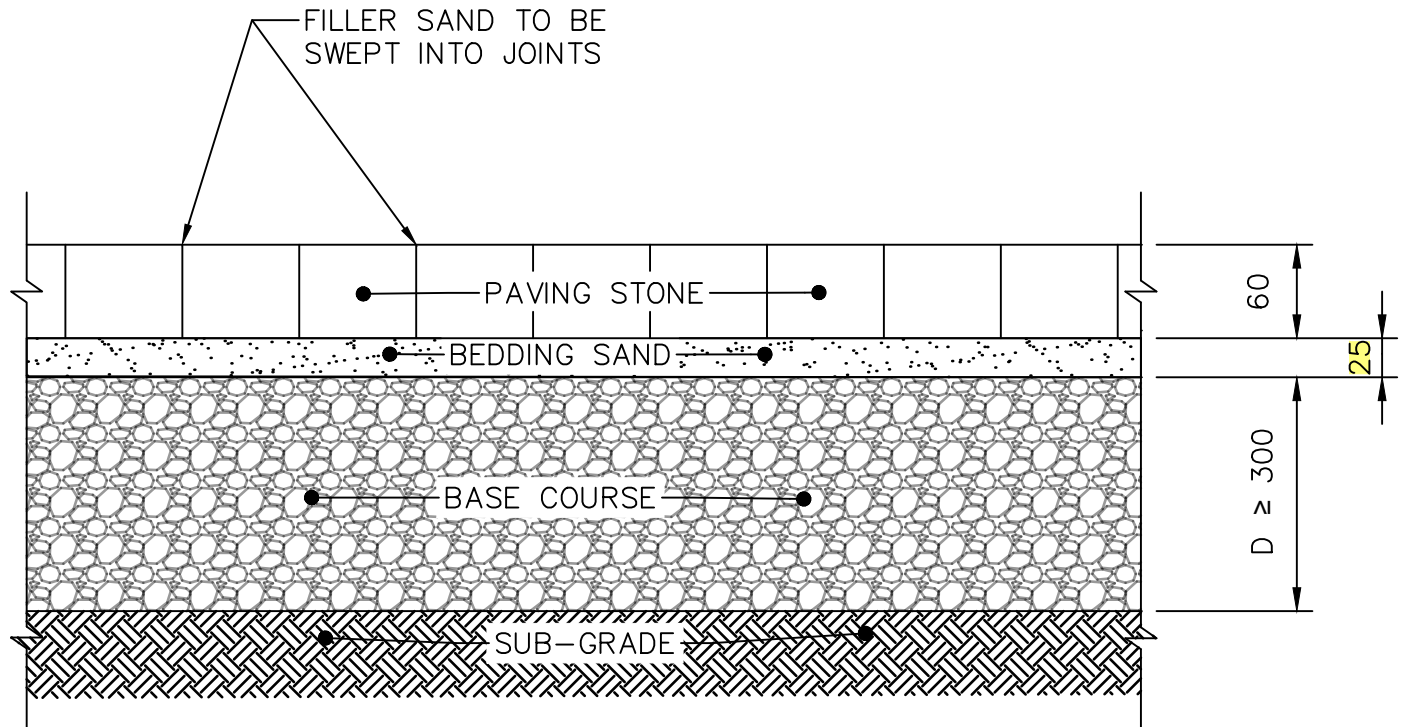
Checked By:  
B.P.

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.

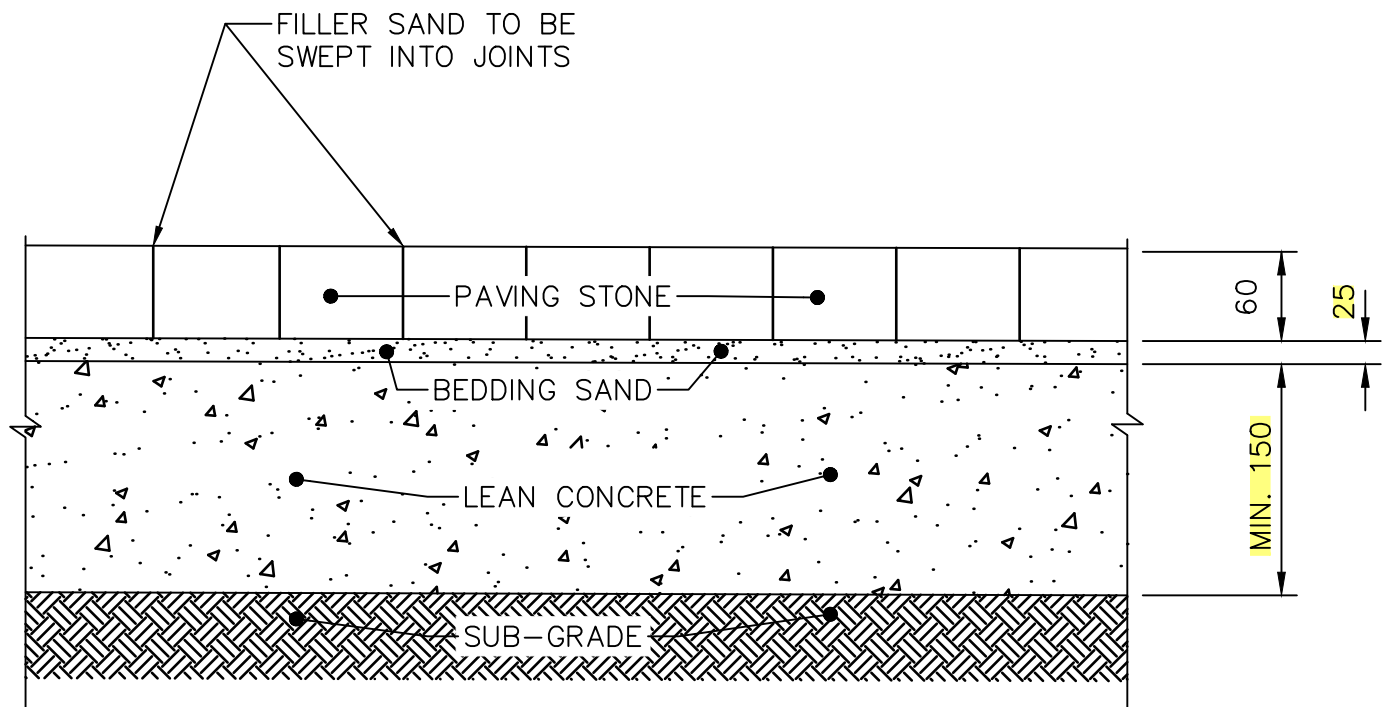
Date:  
2025-12-15

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

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

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

Designed By:  
Z.V.K.

Drawn By:  
R.B.

Scale :  
N.T.S.

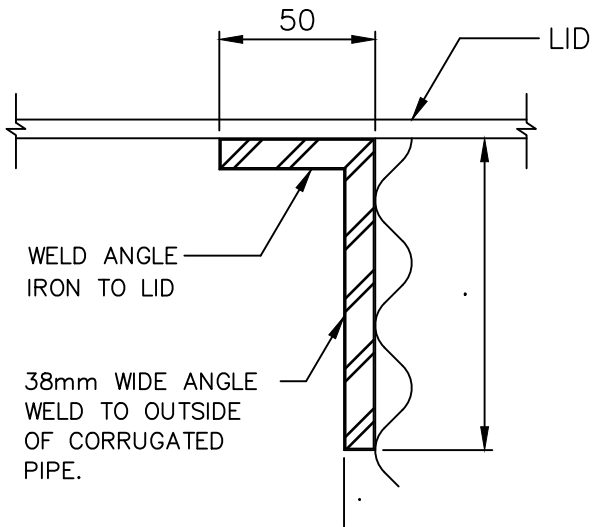
Checked By:  
L.S.W.L.

Date:  
2025-12-15

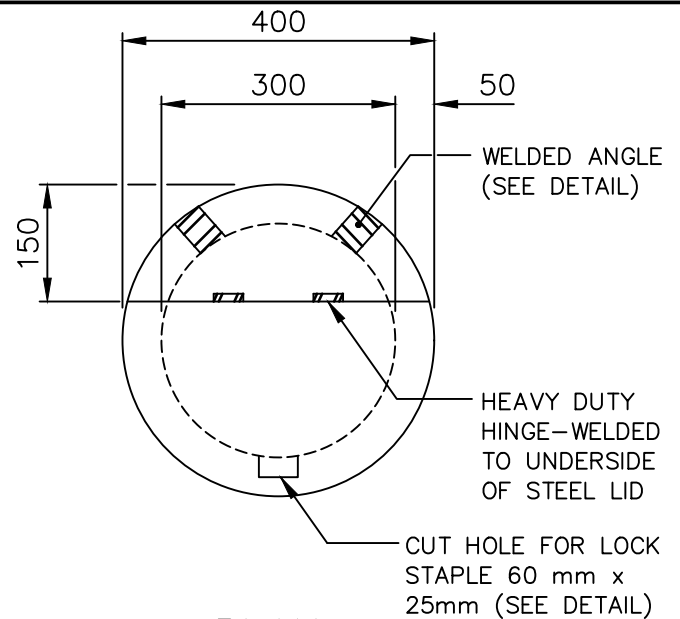
Drawing No.

Approved:  
PAVEMENT MANAGEMENT BRANCH

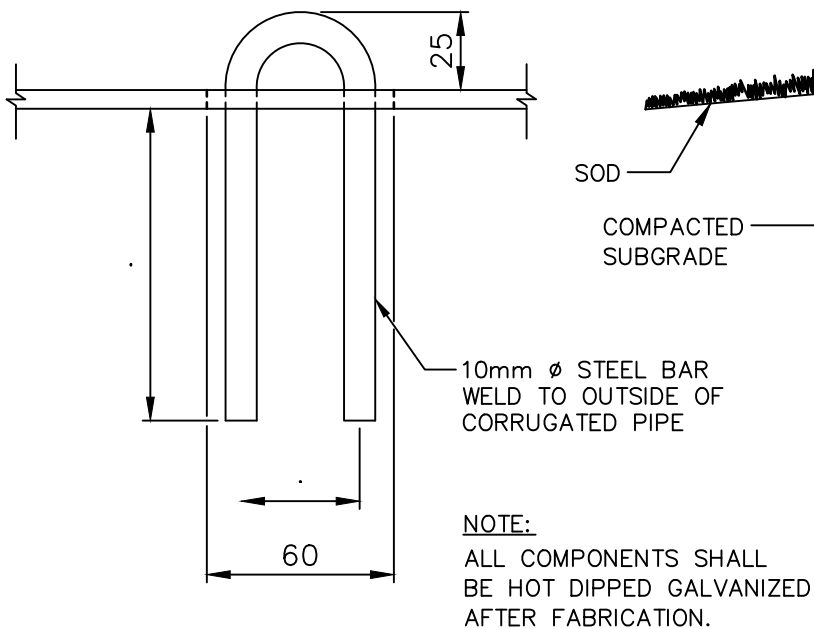
SD-240B



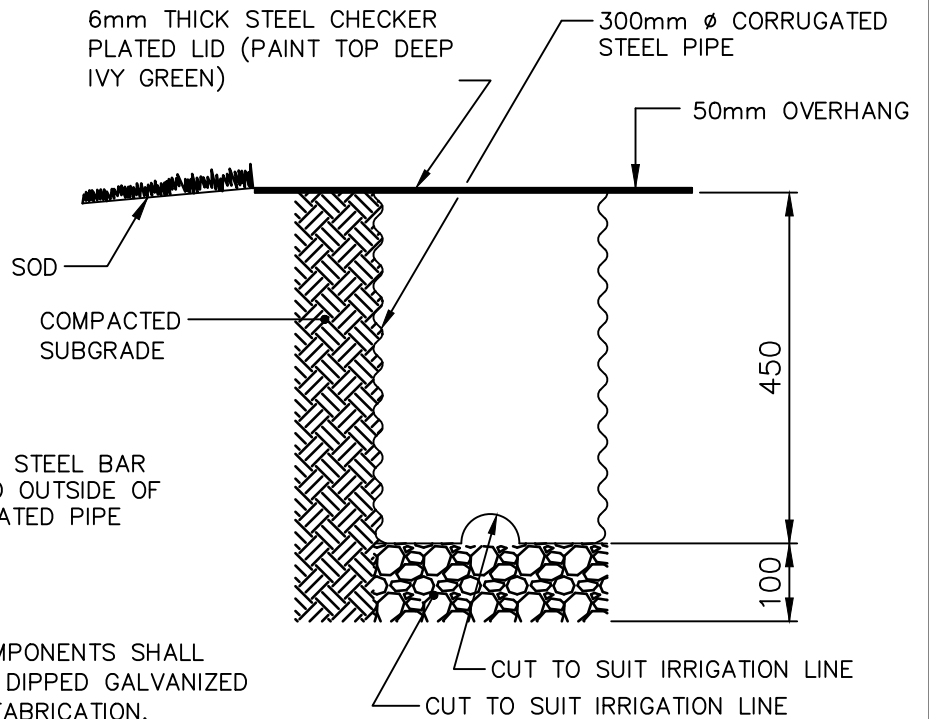
ANGLE DETAIL



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.

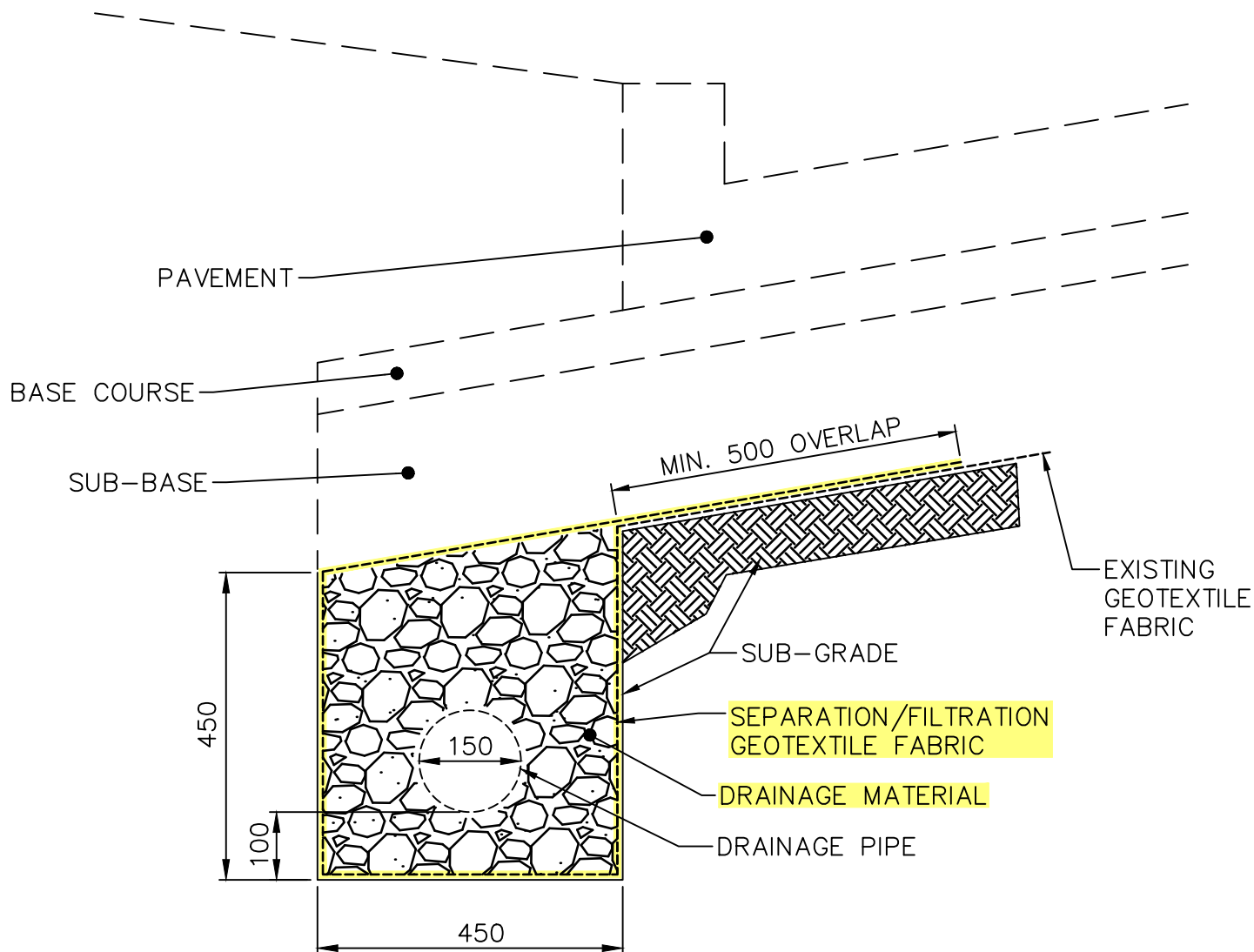
Checked By:  
J.P.T.

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

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

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