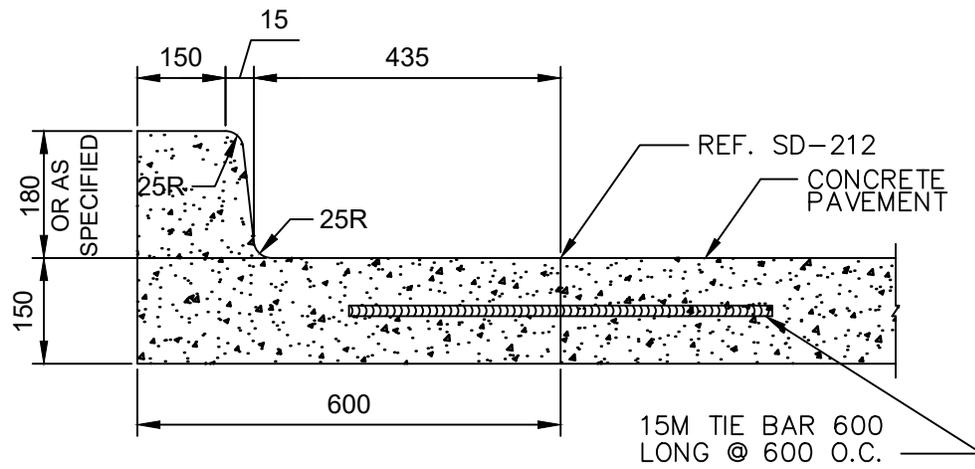


APPENDIX 'F' – STANDARD DETAIL DRAWINGS

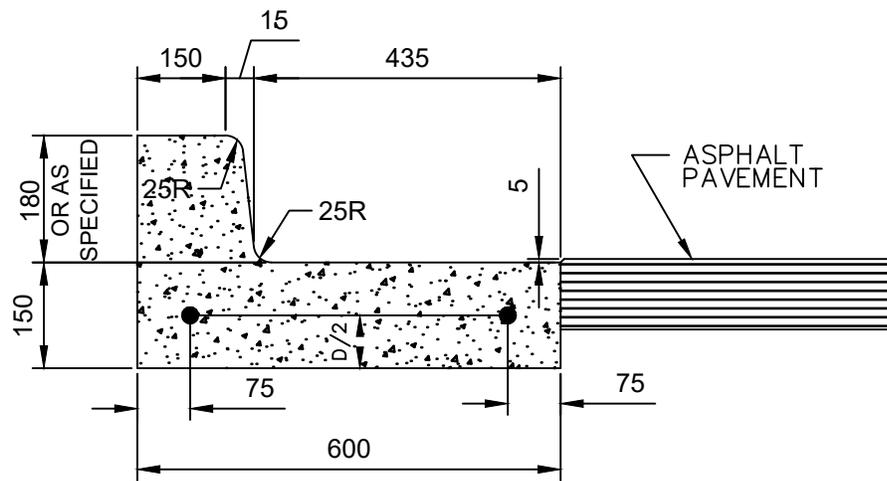
City of Winnipeg, Standard Construction Specification – Revised Standard Detail Drawings

DIVISION 4 – STANDARD DETAILS – SURFACE WORKS

<u>DETAIL NO.</u>	<u>TITLE</u>
SD-200	CURB AND GUTTER
SD-204	BARRIER CURB INTEGRAL
SD-207	CONCRETE PAVEMENT WIDENING
SD-210A	LONGITUDINAL JOINT FOR CONCRETE PAVEMENT
SD-210B	LONGITUDINAL JOINT FOR CONCRETE PAVEMENTS WITH BAR MAT REINFORCED
SD-211A	CONSTRUCTION JOINT FOR REINFORCED CONCRETE PAVEMENT
SD-211B	CONTRACTION JOINT FOR REINFORCED CONCRETE PAVEMENT
SD-211C	CONSTRUCTION JOINT AND CONTRACTION JOINT FOR PLAIN DOWELLED CONCRETE PAVEMENT
SD-212 DRAFT	SAWN JOINT AND BUTT JOINT FOR CONCRETE PAVEMENTS
SD-213B	FULL-DEPTH PATCHES AND SLAB REPLACEMENT
SD-214A	LONGITUDINAL JOINT REPAIR DETAILS FULL-WIDTH PATCH (BOTH SIDES AT SAME TIME)
SD-214B	LONGITUDINAL JOINT REPAIR DETAILS LANE-AT-A-TIME PATCH
SD-214C	LONGITUDINAL JOINT PATCH DETAILS ONE SODE ONLY
SD-215	LOAD TRANSFER DEVICE FOR PLAIN DOWELLED CONCRETE PAVEMENT
SD-216	STEEL REINFORCEMENT FOR REINFORCED CONCRETE PAVEMENT
SD-217	LAYOUT FOR TYPE "A" AND "B" BAR MATT REINFORCEMENT
SD-218A	TYPICAL JOINT DETAIL FOR PORTLAND CEMENT CONCRETE PAVEMENTS
SD-219	TYPICAL PUBLIC LANE DETAILS
SD-220A	MANHOLE ISOLATION DETAIL FOR CONCRETE PAVEMENTS
SD-220B	MANHOLE ISOLATION DETAIL IN EXISTING PAVEMENTS
SD-220C	CURB AND GUTTER INLET ISOLATION DETAIL
SD-220D	BARRIER CURB AND GUTTER INLET ISOLATION DETAIL FOR EXPOSED CONCRETE PAVEMENTS
SD-228A	CONCRETE SIDEWALK
SD-228D	SIDEWALK EXPANSION JOINT
SD-245	SUBDRAIN INSTALLATION DETAIL



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



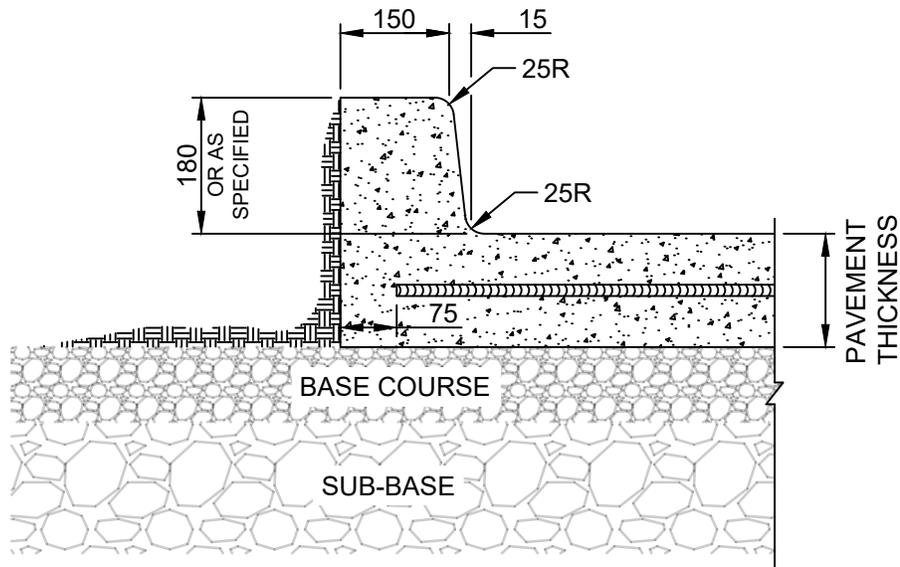
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3325

Revisions			
No.	Date	Description	By
1.	OCT 24	ADDED NOTE 3	R.B.

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



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

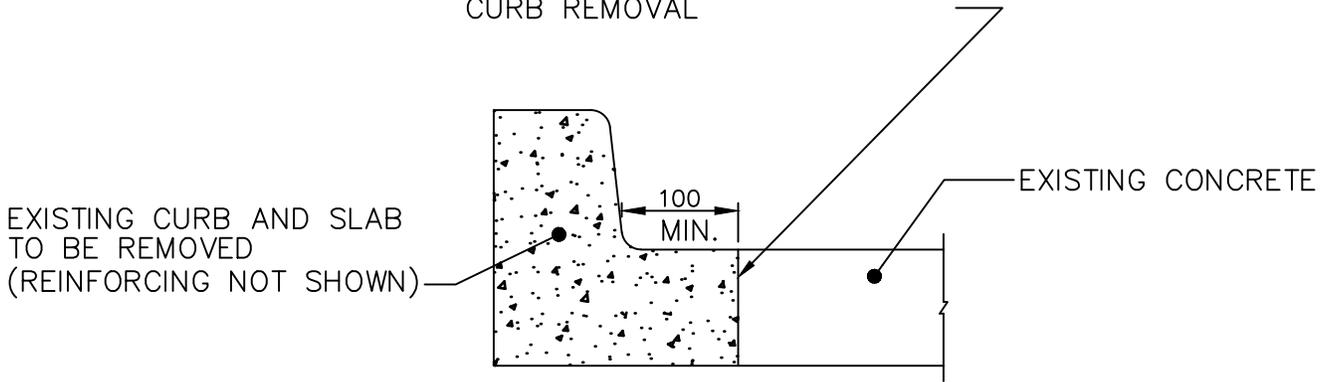
Reference Spec. No.
CW 3230, CW 3310

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

BARRIER CURB
INTEGRAL

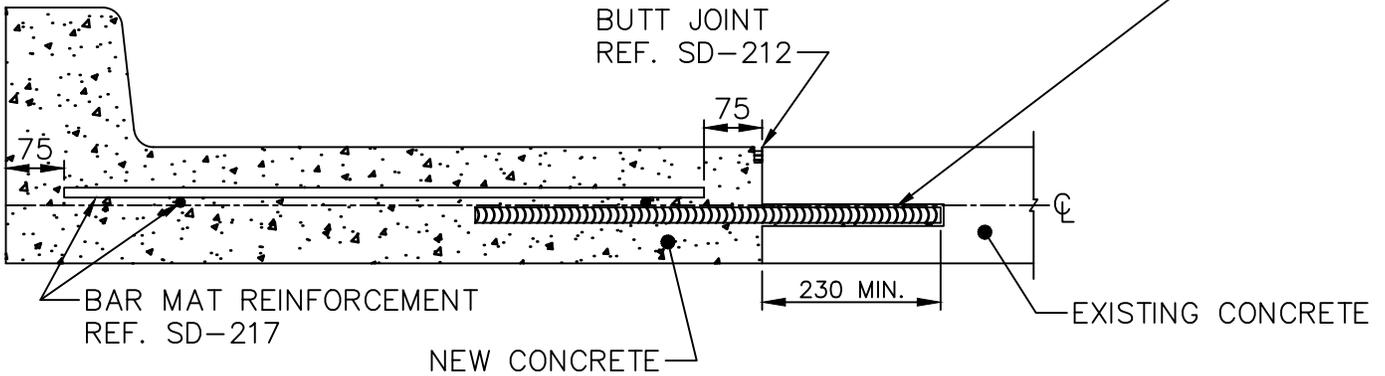
Designed By: L.S.W.L.	Drawn By: T.K.	Scale : N.T.S
Checked By: L.S.W.L.	Date: 1981-02-16	Drawing No.
Approved: PAVEMENT MANAGEMENT BRANCH		SD-204

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



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



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

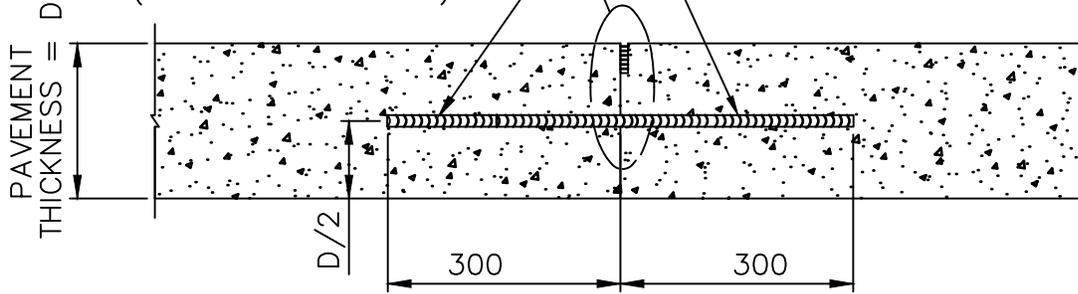
Revisions			
No.	Date	Description	By
2.	OCT 24	TIE BAR SIZE AND TRANSVERSE CUTS	A.G.
1.	JAN 03	GENERAL REVISION	L.W.B.

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

BUTT JOINT
REF. SD-212

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

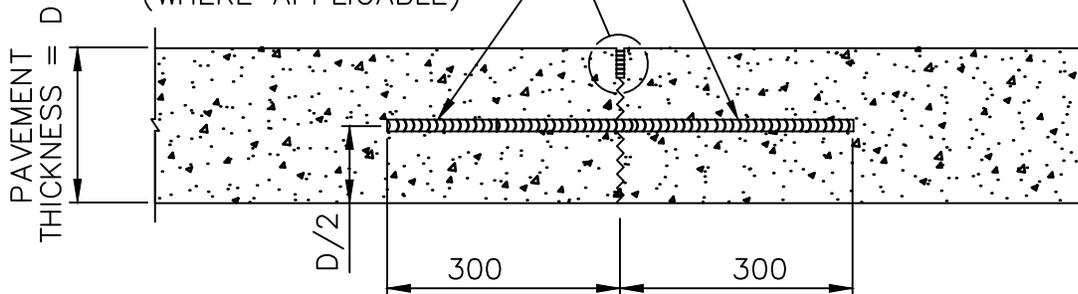


600 LONG TIE BARS:
15M @ 600 O.C. FOR PAVEMENTS D<200
20M @ 600 O.C. FOR PAVEMENTS D=200
25M @ 600 O.C. FOR PAVEMENTS D>200

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

Revisions

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

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

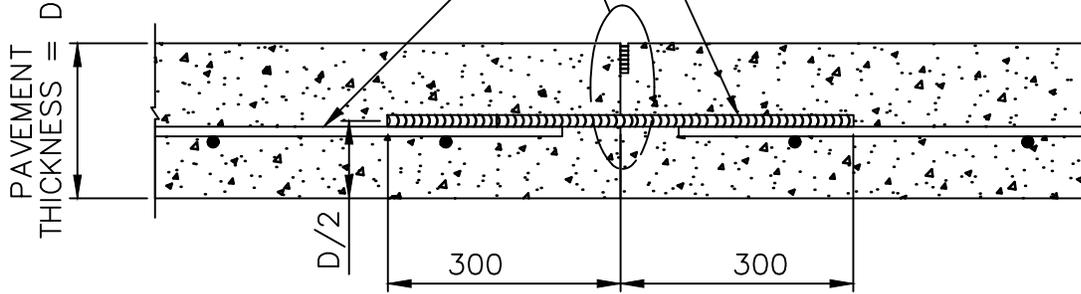
SD-210A

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 $D > 200$



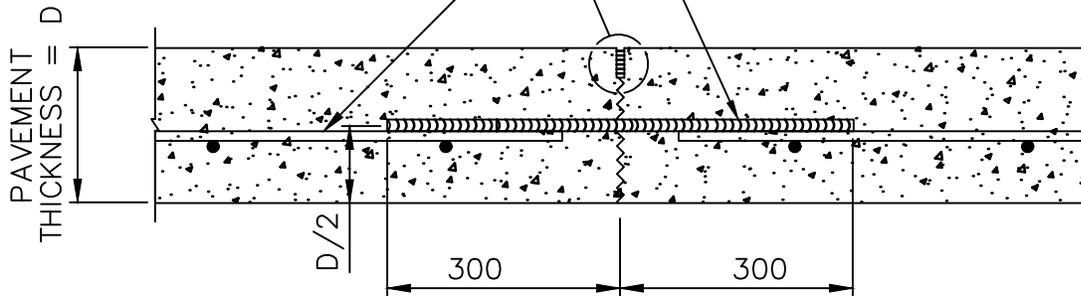
FORMED LONGITUDINAL JOINT

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

Revisions

No.	Date	Description	By

LONGITUDINAL JOINT FOR
CONCRETE PAVEMENTS WITH BAR
MAT REINFORCEMENT

Designed By:
A.G.

Drawn By:
R.B.

Scale :
N.T.S.

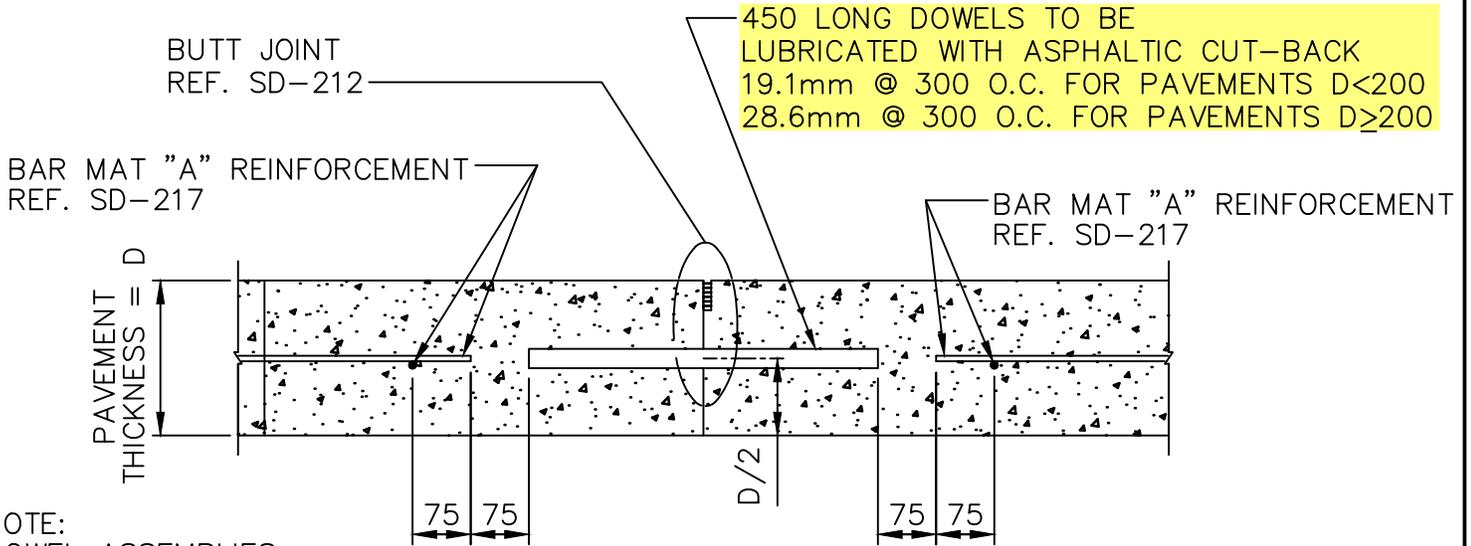
Checked By:
B.K.

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**

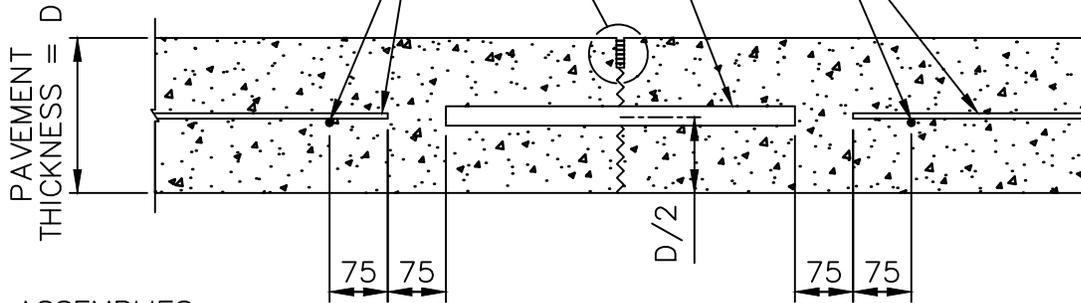
Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No. SD-211A
Approved: PAVEMENT MANAGEMENT BRANCH		

SAWN JOINT REF. SD-212

BAR MAT "A" REINFORCEMENT
REF. SD-217

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≥200

BAR MAT "A" REINFORCEMENT
REF. SD-217



NOTE:
DOWEL ASSEMBLIES
NOT SHOWN

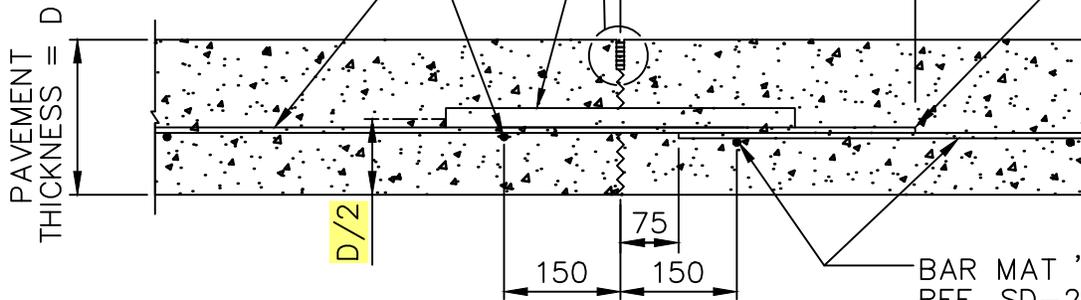
CONTRACTION JOINT MAT "A"

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≥200

EXTENSION OF LONGITUDINAL BAR
TO BE LUBRICATED WITH ASPHALTIC
CUT-BACK PRIOR TO CONCRETE
PLACEMENT

BAR MAT 'B' REINFORCEMENT
REF. SD-217

SAWN JOINT REF. SD-212



BAR MAT 'A' REINFORCEMENT
REF. SD-217

CONTRACTION JOINT MAT "B"

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

Revisions

No.	Date	Description	By

CONTRACTION 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

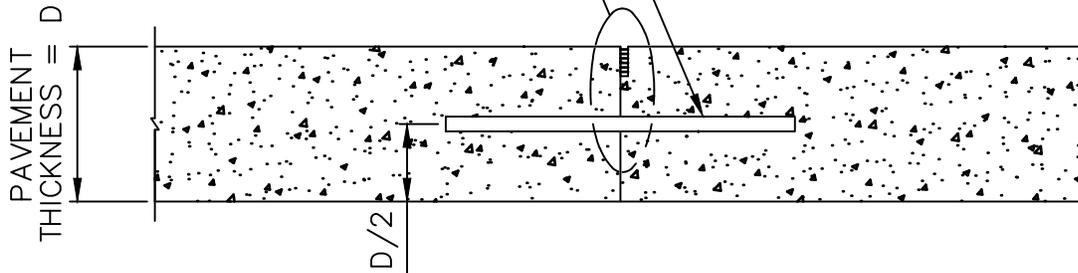
Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-211B

BUTT JOINT REF. SD-212

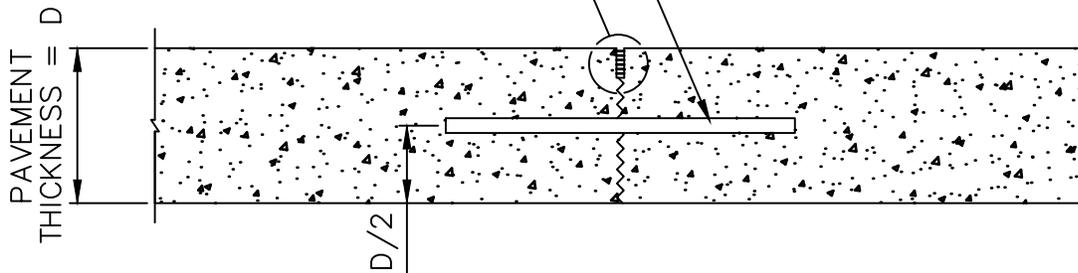
450 LONG DOWELS TO BE LUBRICATED WITH ASPHALTIC CUT-BACK
 19.1mm @ 300 O.C. FOR PAVEMENTS $D < 200$
 28.6mm @ 300 O.C. FOR PAVEMENTS $D \geq 200$



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



THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

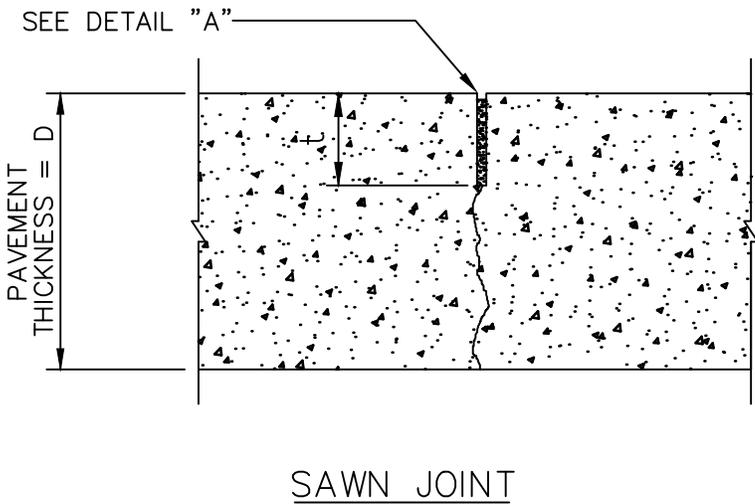
Reference Spec. No.
 CW 3230, CW 3310

Revisions			
No.	Date	Description	By
1.	OCT 24	GENERAL REVISION	A.G.

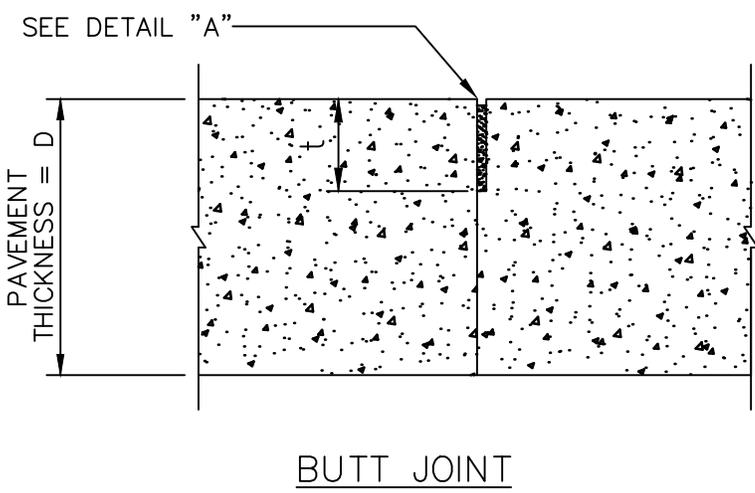
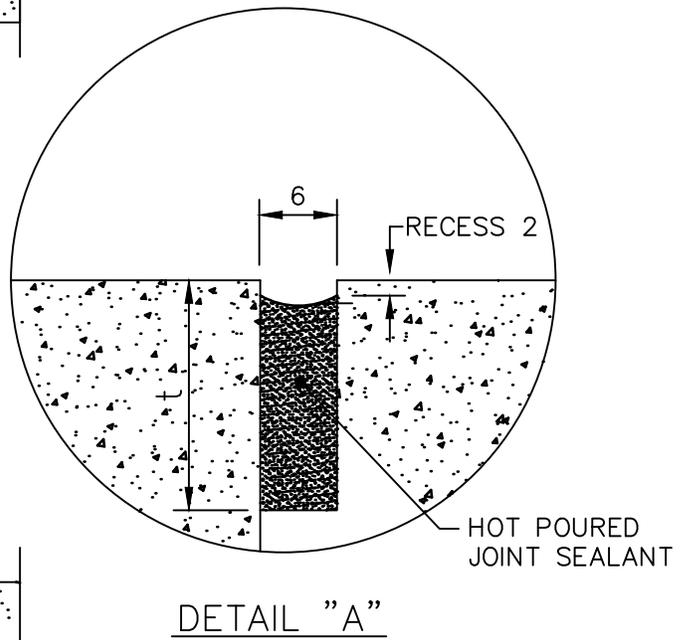
CONSTRUCTION JOINT AND
 CONTRACTION JOINT FOR
 PLAIN DOWELLED
 CONCRETE PAVEMENT

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-211C

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



NOTE:
 SAWCUT TO BE MADE IN A SINGLE SAWING OPERATION



- NOTES:
1. SEALING OF CONCRETE JOINTS NOT REQUIRED IF THE JOINTS ARE BEING OVERLAYED WITH ASPHALT.
 2. REINFORCING STEEL, DOWELS OR TIE BARS ARE NOT SHOWN.

DIMENSIONS IN MILLIMETRES



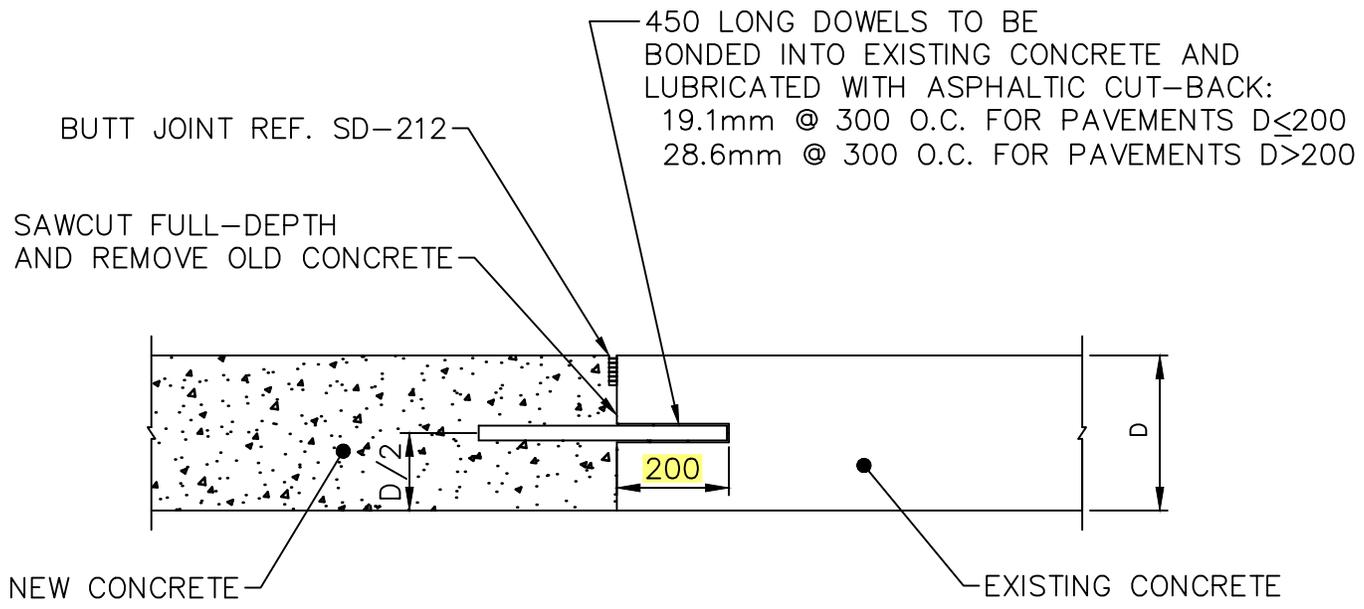
THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

Reference Spec. No.
 CW 3230, CW 3310

Revisions			
No.	Date	Description	By
2.	OCT 24	SAW CUT WIDTH AND DEPTH	R.B.
1.	OCT 06	GENERAL REVISION	lwb

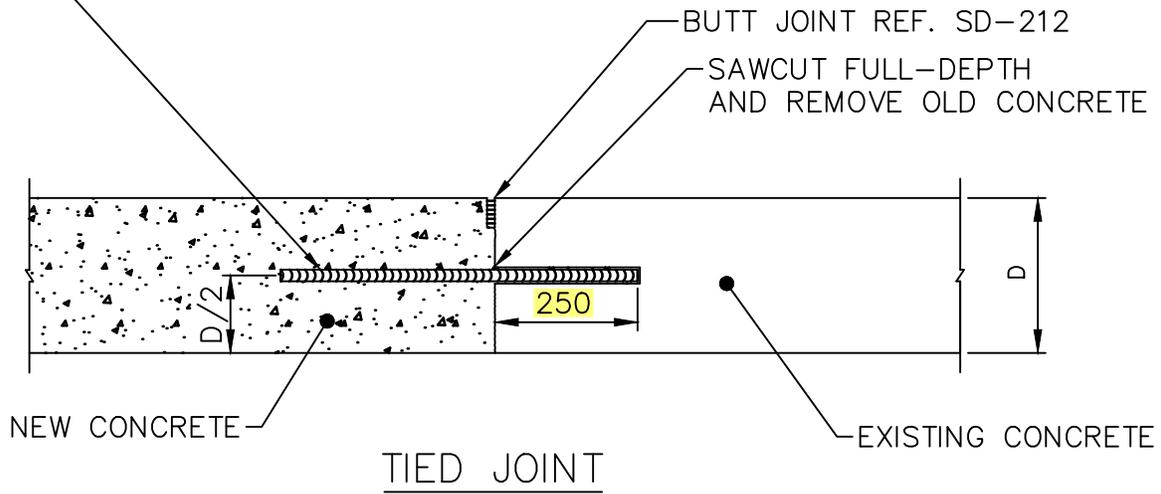
SAWN JOINT AND BUTT JOINT FOR
 PLAIN DOWELLED AND REINFORCED
 CONCRETE PAVEMENTS (DRAFT)

Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2024-10-01	Drawing No. SD-212
Approved: PAVEMENT MANAGEMENT BRANCH		DRAFT



TRANSVERSE (MOVING) JOINT

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
 WITH MINIMUM 2 BARS PER SIDE



TIED JOINT

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

DIMENSIONS IN MILLIMETRES



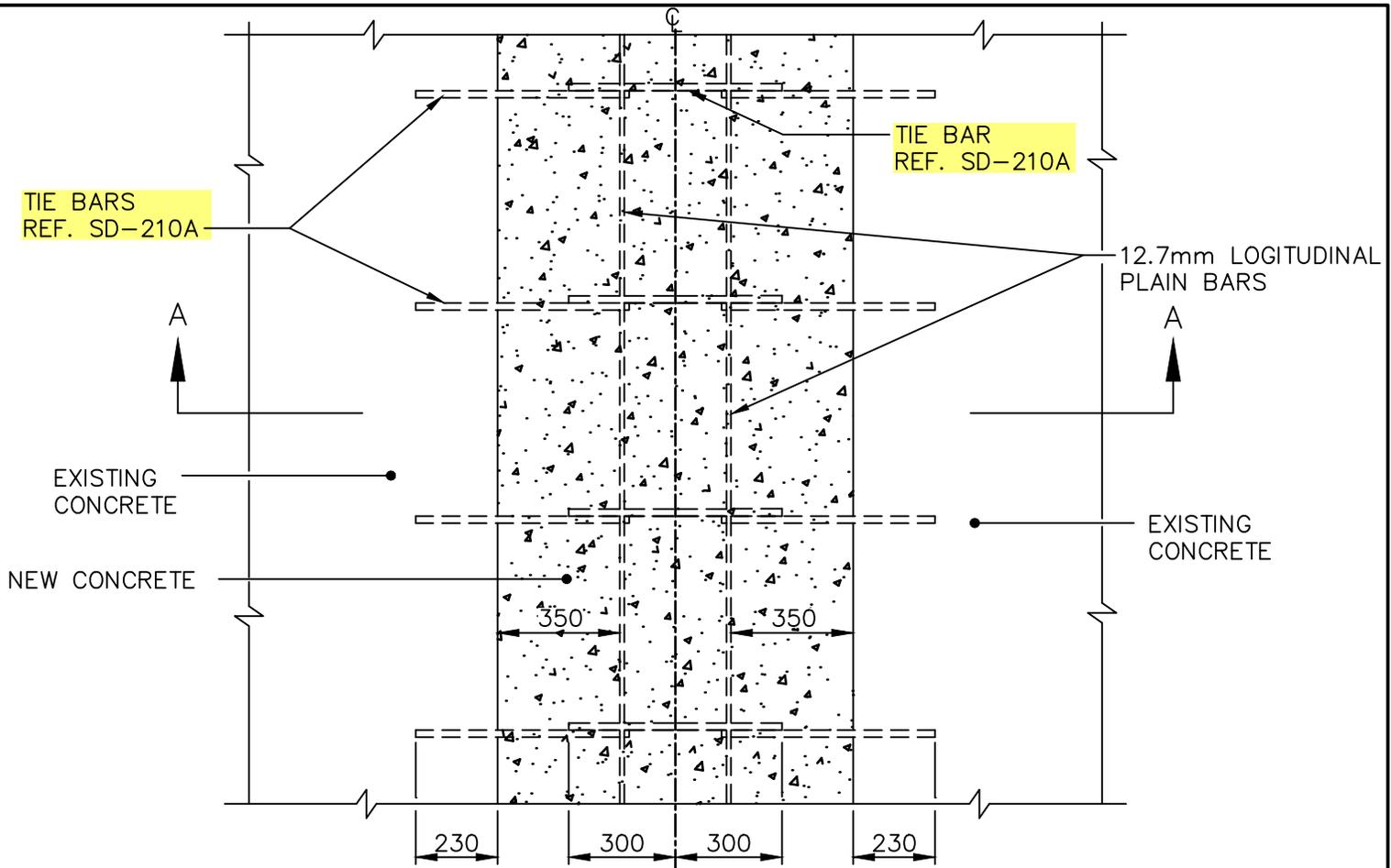
THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

Reference Spec. No.
 CW 3230, CW 3310

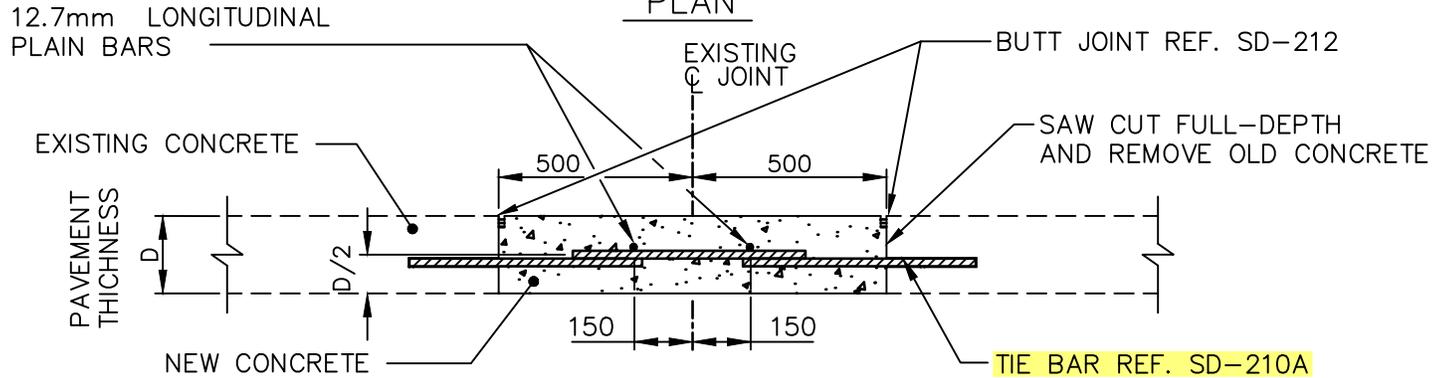
Revisions			
No.	Date	Description	By
2.	OCT 24	TIE BAR DETAILS	A.G.
1.	OCT 13	GENERAL REVISION	L.W.B.

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. SD-213B
Approved: PAVEMENT MANAGEMENT BRANCH		



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



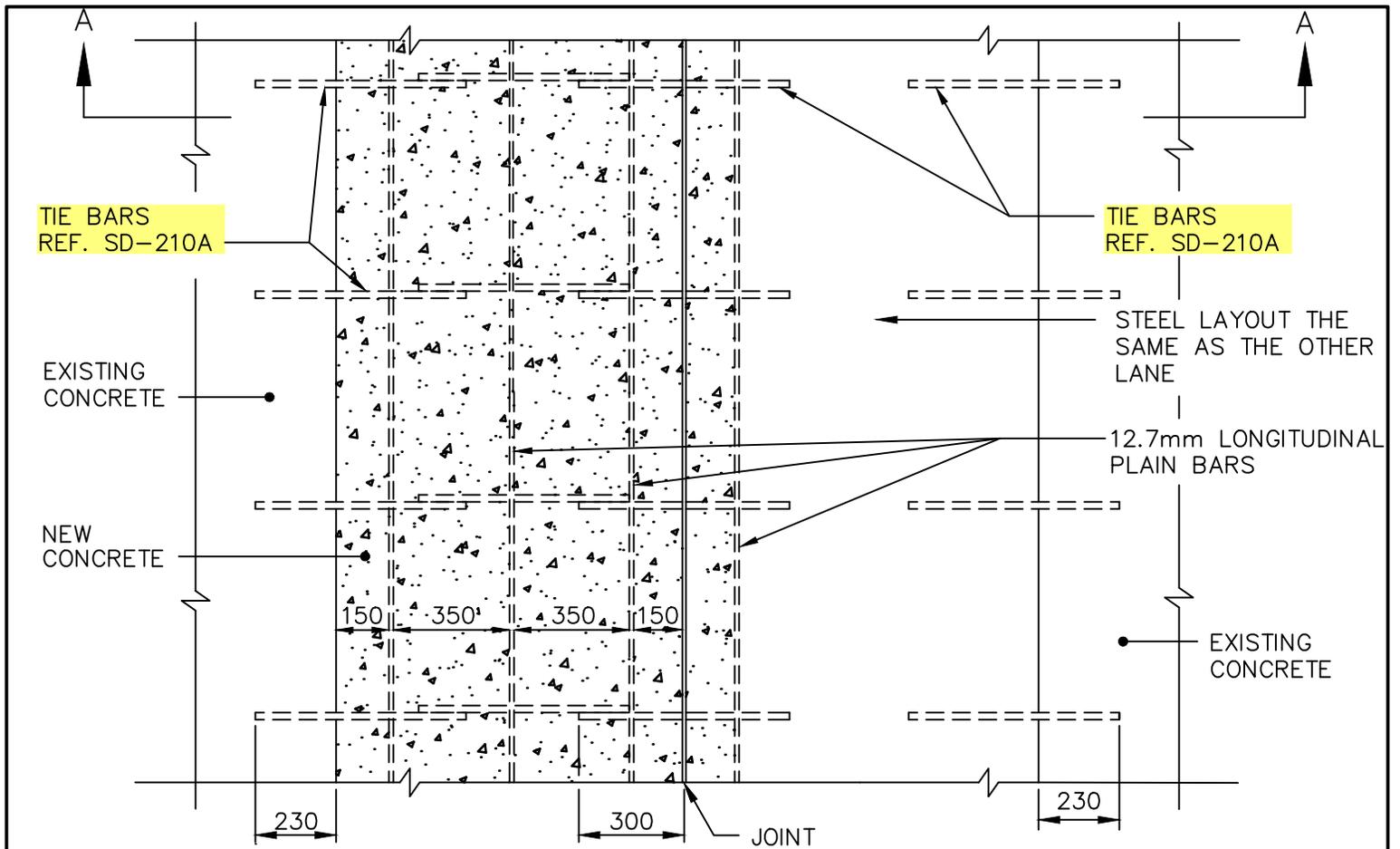
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

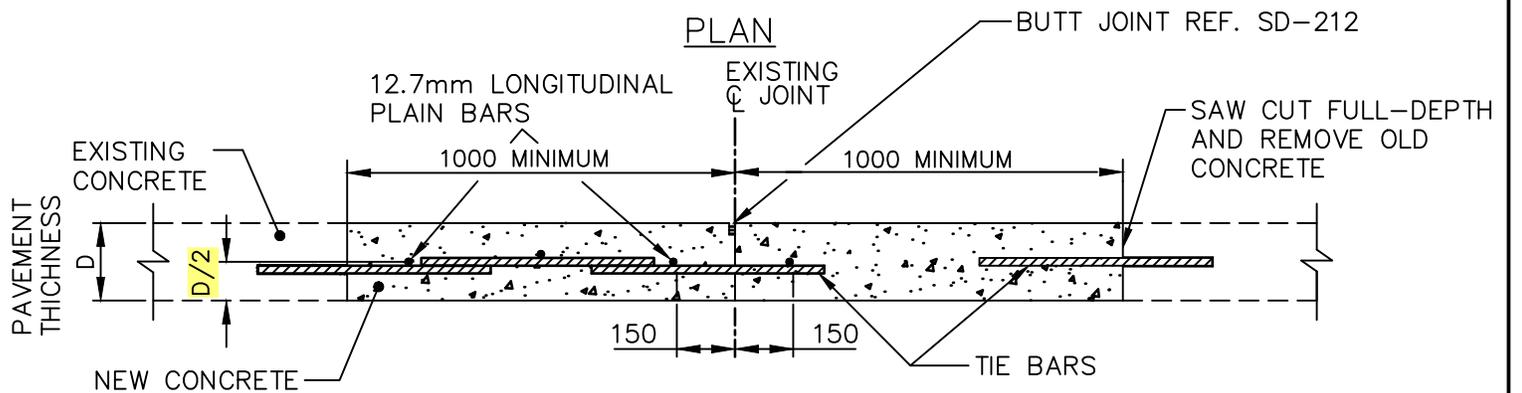
Revisions			
No.	Date	Description	By
3.	OCT 24	TIE BAR DETAILS	A.G.
2.	FEB 04	GENERAL REVISION	J.G.
1.	JAN 03	GENERAL REVISION	A.P.

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. SD-214A
Approved: PAVEMENT MANAGEMENT BRANCH		



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

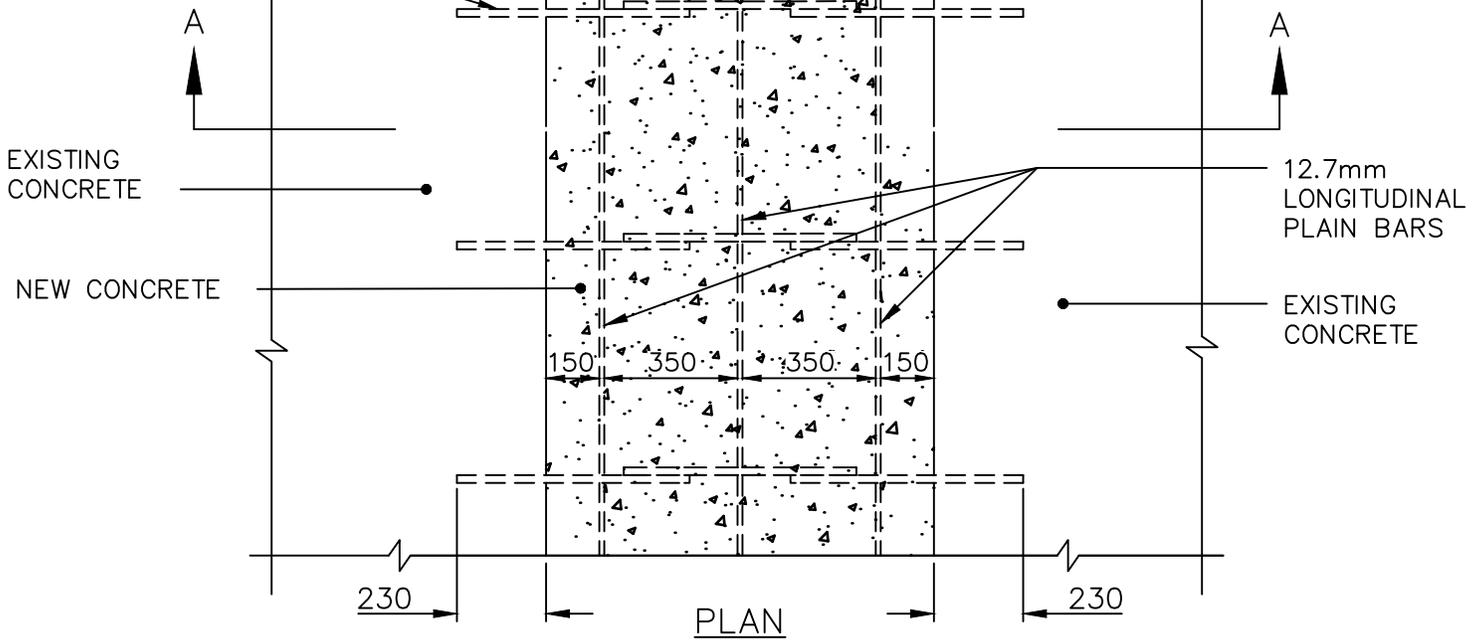
Revisions

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

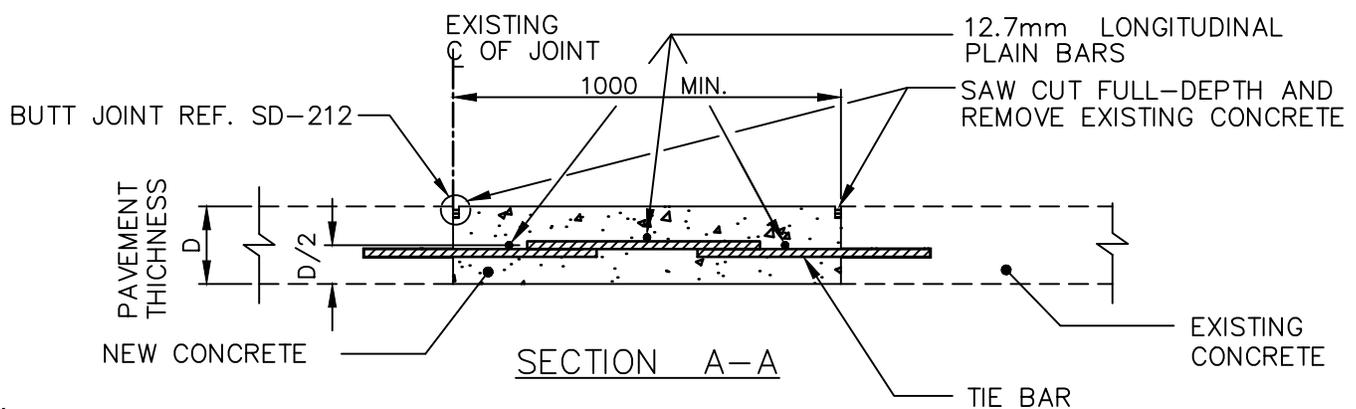
LONGITUDINAL JOINT
REPAIR DETAILS
LANE-AT-A-TIME PATCH

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



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

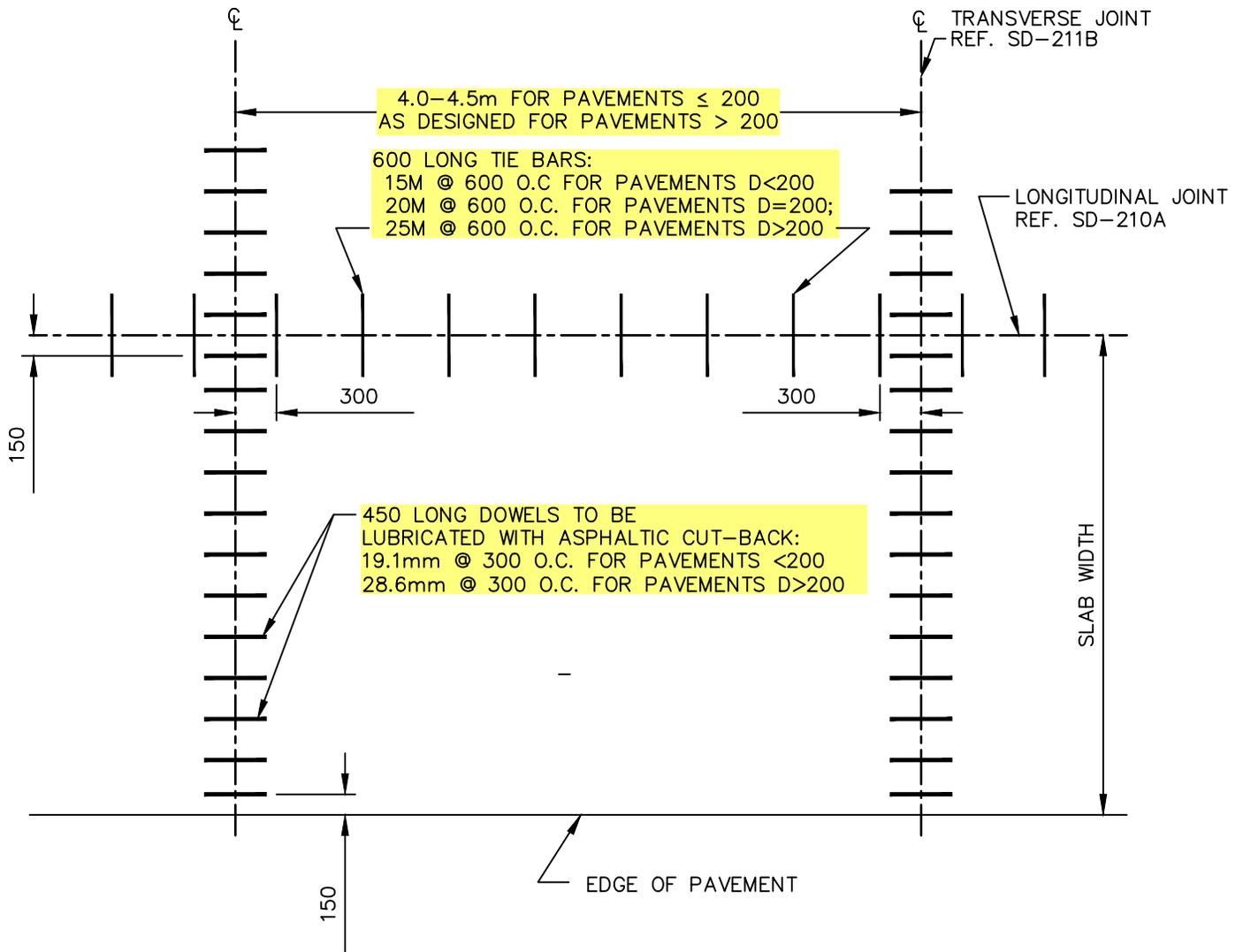
Reference Spec. No.
CW 3230, CW 3310

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	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. SD-214C
Approved: PAVEMENT MANAGEMENT BRANCH		



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

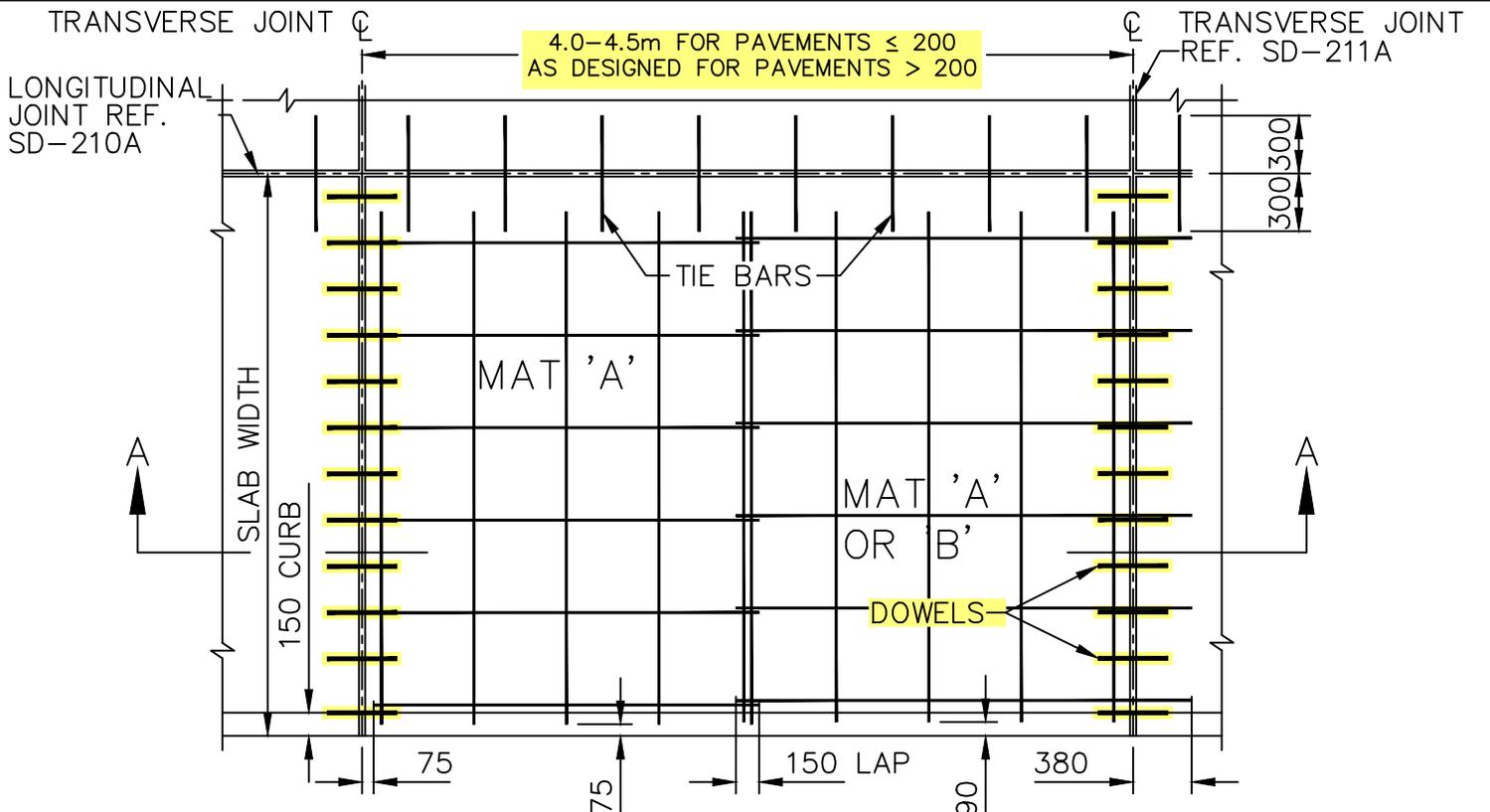
Reference Spec. No.
CW 3230, CW 3310

Revisions

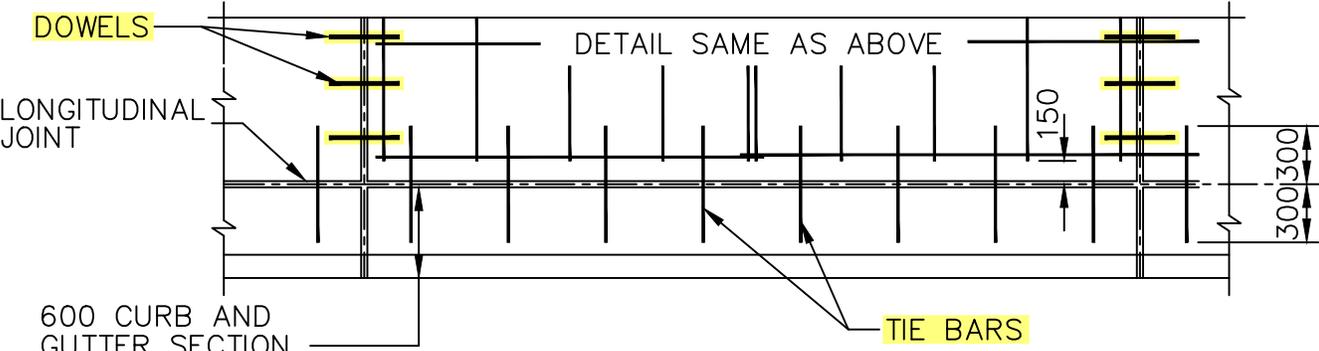
No.	Date	Description	By
2.	OCT 24	TIE BAR AND DOWEL DETAILS	R.B.
1.	DEC 31	GENERAL REVISION	A.R.

LOAD TRANSFER DEVICE FOR
PLAIN DOWELLED CONCRETE
PAVEMENT

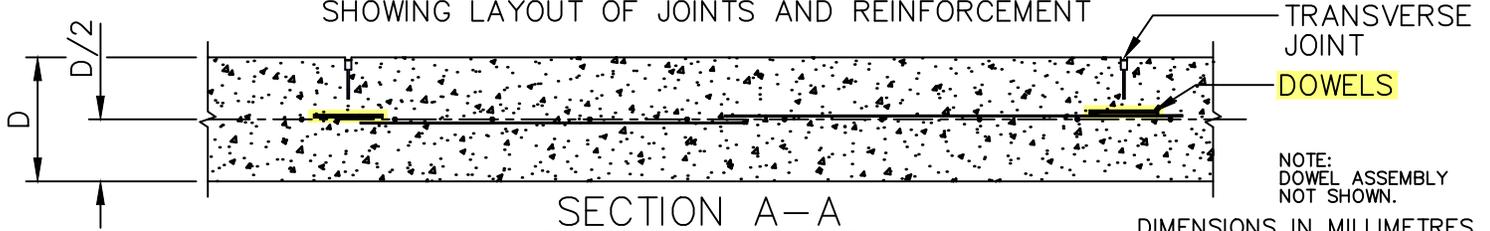
Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No. SD-215
Approved: PAVEMENT MANAGEMENT BRANCH		



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



SECTION A-A
DIMENSIONS IN MILLIMETRES



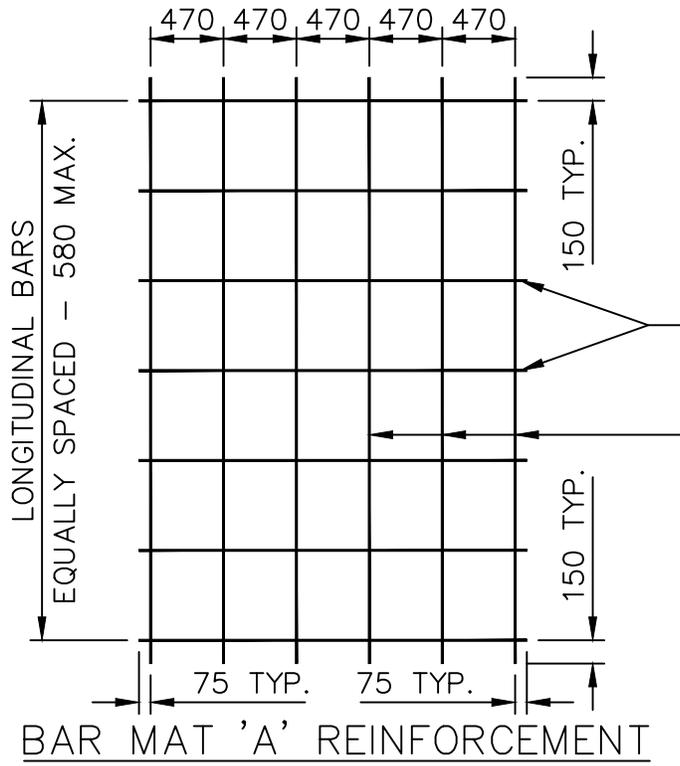
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

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

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

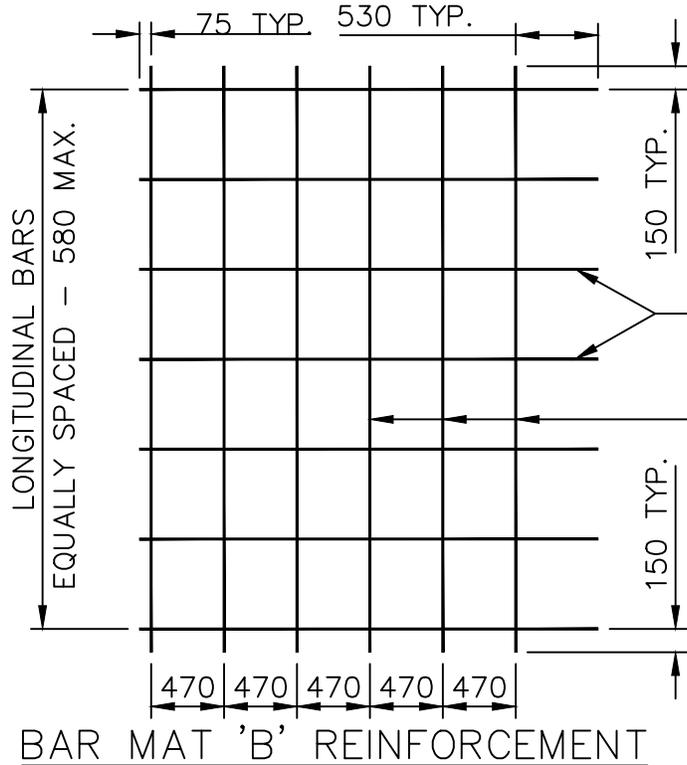


12.7mm LONGITUDINAL PLAIN BARS,
2500 LONG.

12.7mm TRAVERSE PLAIN BARS,
LENGHT OF BARS = SLAB WIDTH - 150

NOTE

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



12.7mm LONGITUDINAL PLAIN BARS,
2955 LONG.

12.7mm TRANSVERSE PLAIN BARS,
LENGTH OF BARS = SLAB WIDTH - 150

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	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.

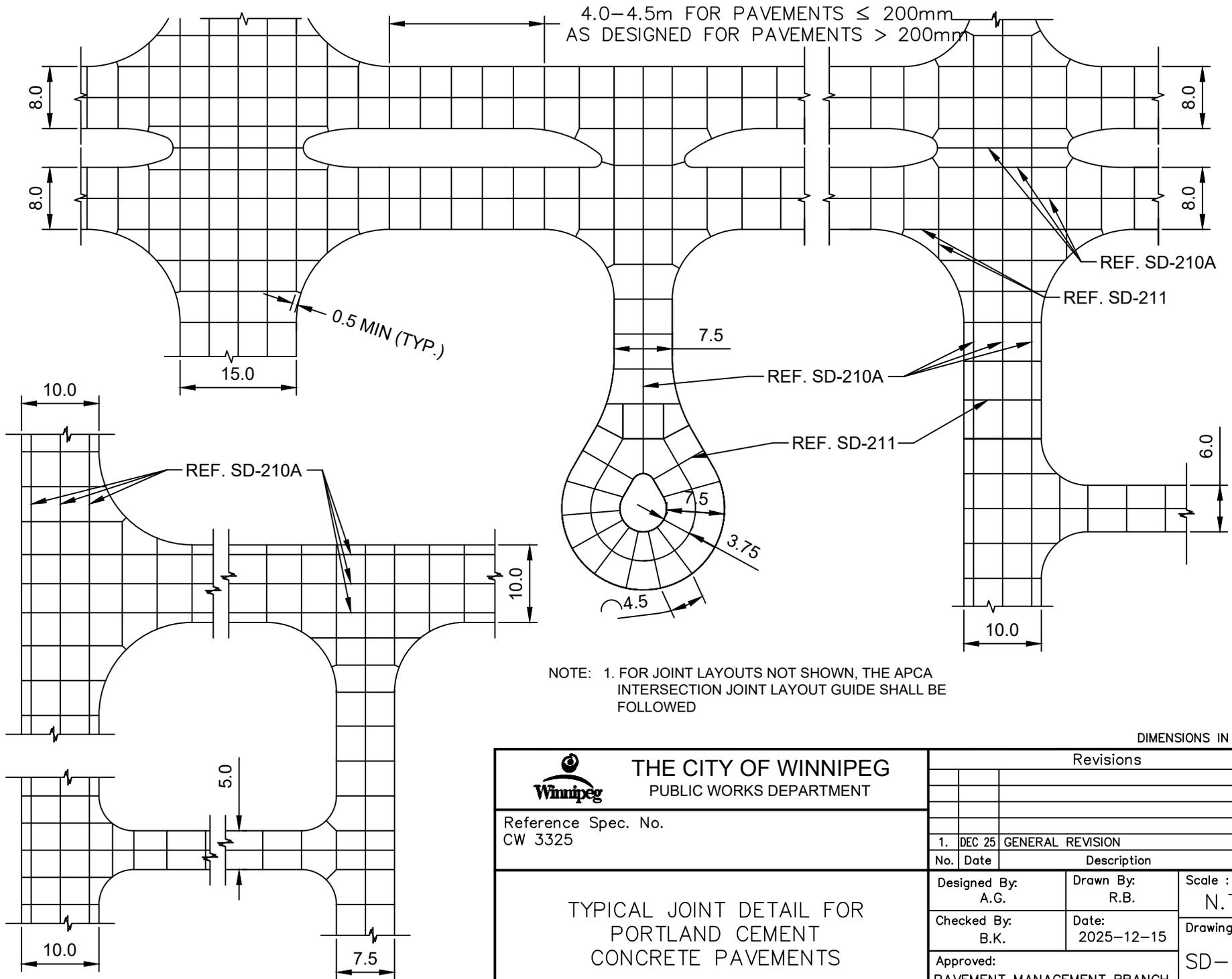
Checked By:
D.R.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

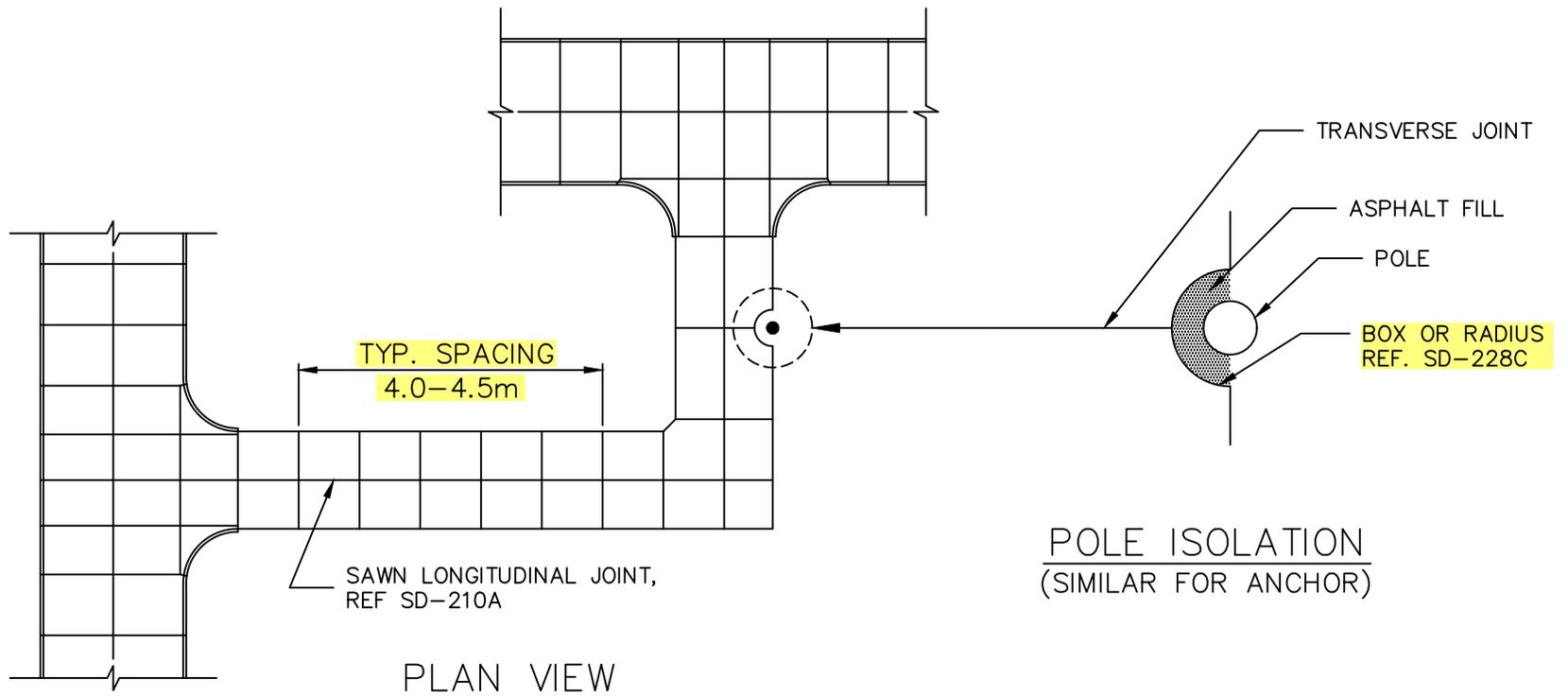
SD-217



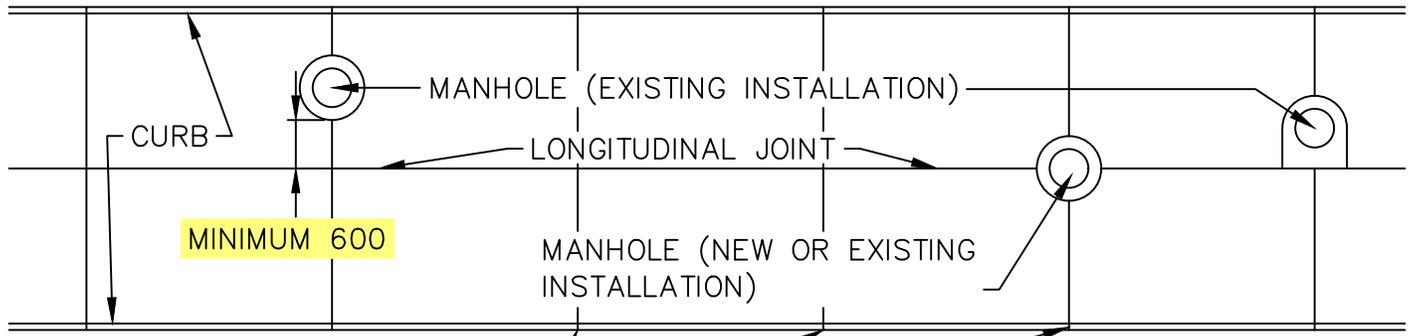
NOTE: 1. FOR JOINT LAYOUTS NOT SHOWN, THE APCA INTERSECTION JOINT LAYOUT GUIDE SHALL BE FOLLOWED

DIMENSIONS IN METRES

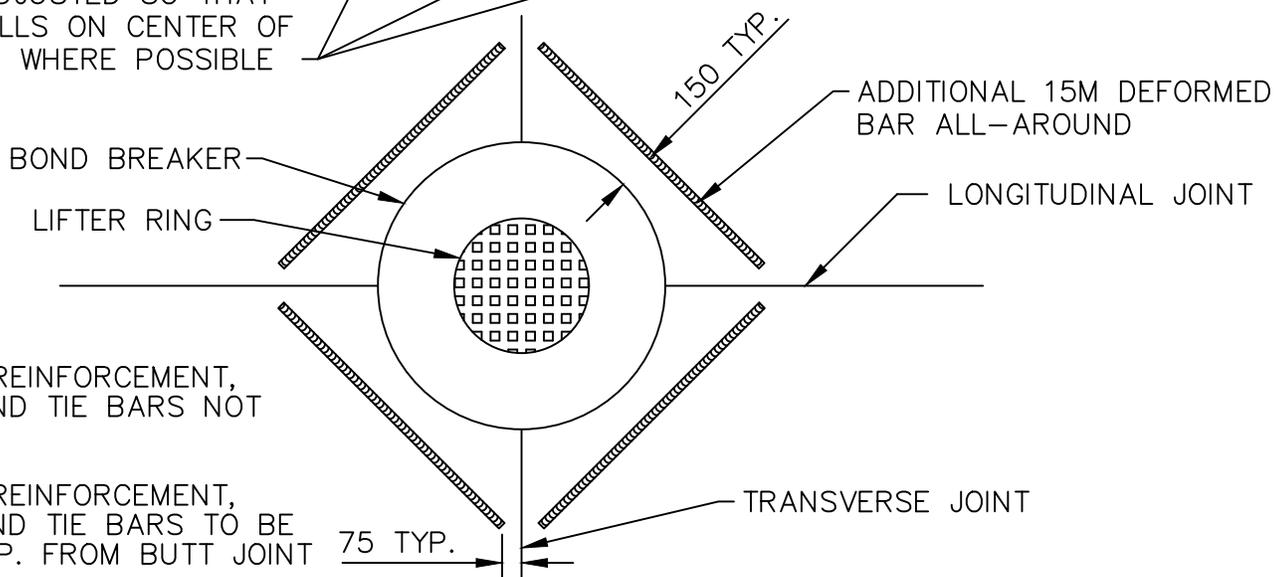
 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	Revisions		
Reference Spec. No. CW 3325	1. DEC 25	GENERAL REVISION	R.B.
TYPICAL JOINT DETAIL FOR PORTLAND CEMENT CONCRETE PAVEMENTS	No.	Date	Description
	Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
	Checked By: B.K.	Date: 2025-12-15	Drawing No.
	Approved: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



 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	Revisions		
Reference Spec No. CW 3230, CW 3310			
TYPICAL PUBLIC LANE DETAILS	1.	OCT 24	GENERAL REVISION
	No.	Date	Description
	By		
	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



TRANSVERSE JOINT SPACING TO BE ADJUSTED SO THAT JOINT FALLS ON CENTER OF MANHOLE WHERE POSSIBLE

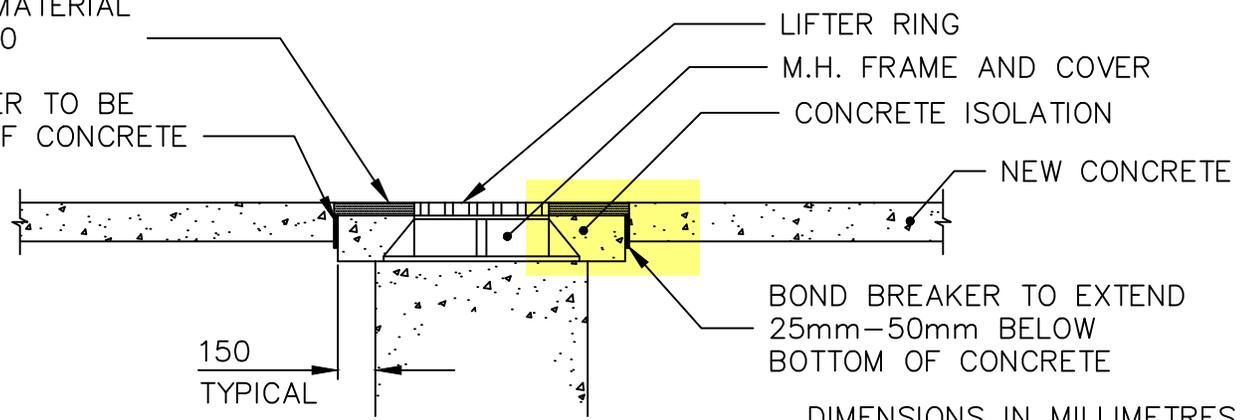


NOTE:

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

ASPHALT MATERIAL MINIMUM 50

BOND BREAKER TO BE BELOW TOP OF CONCRETE AND SEALED



DIMENSIONS IN MILLIMETRES



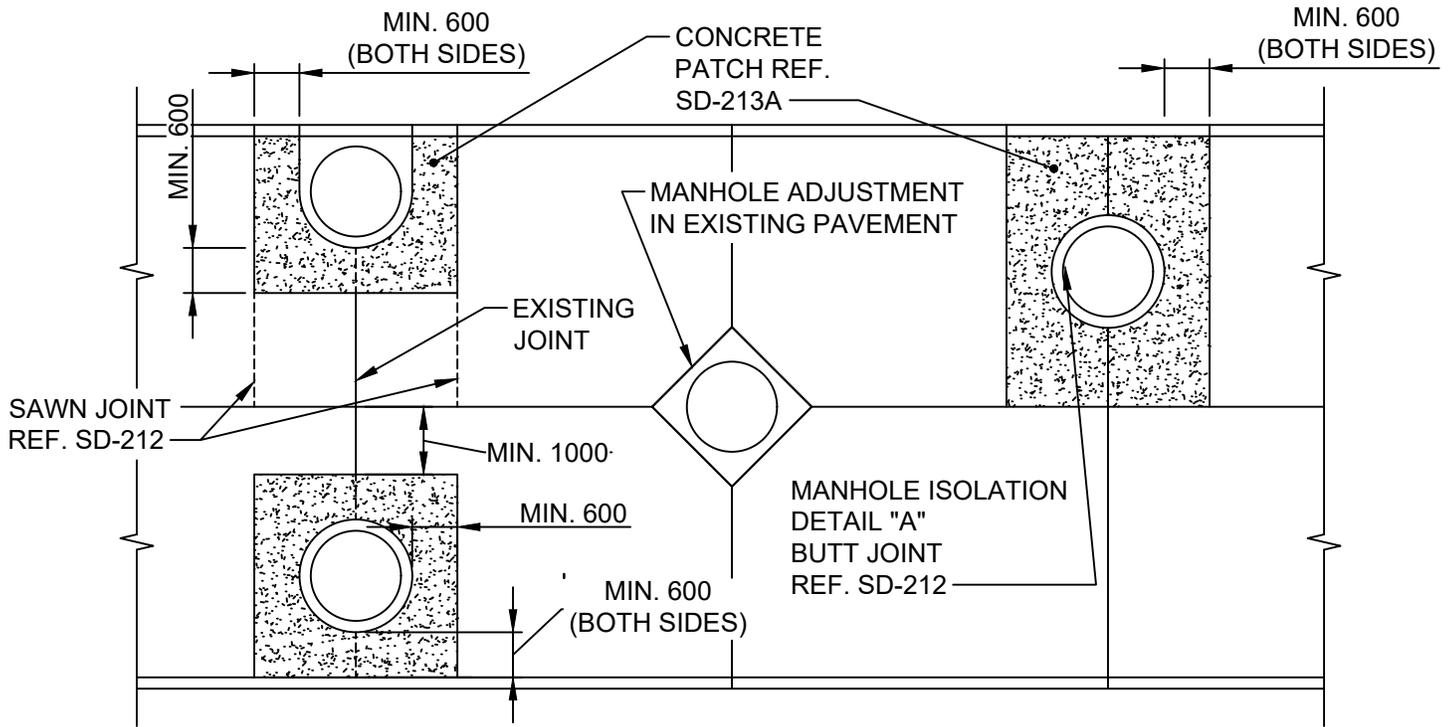
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec No.
CW 3310

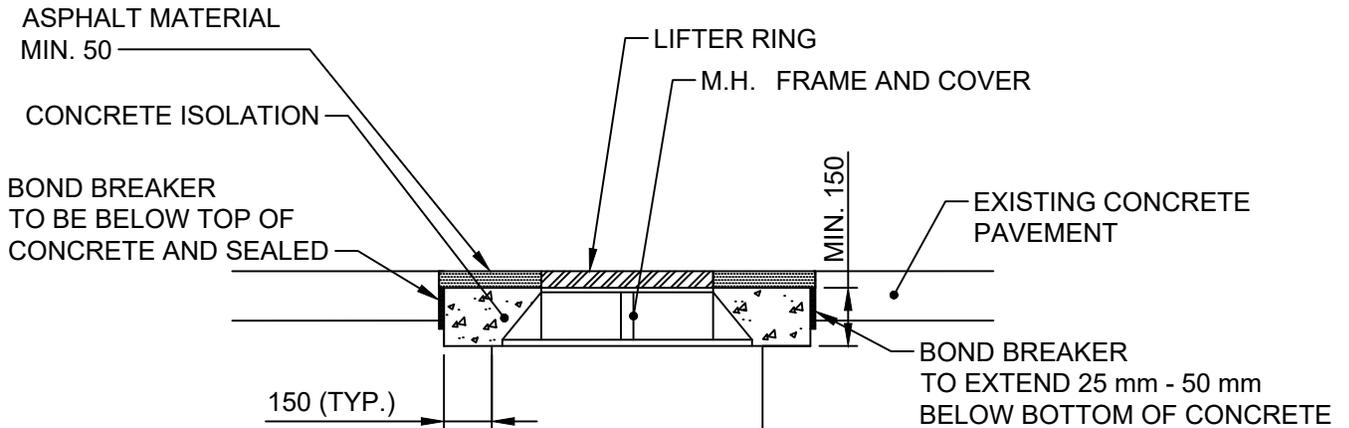
Revisions			
No.	Date	Description	By
2.	DEC 25	GENERAL REVISION	A.G.
1.	JAN 03	GENERAL REVISION	L.W.B.

MANHOLE ISOLATION
DETAIL FOR CONCRETE
PAVEMENTS

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

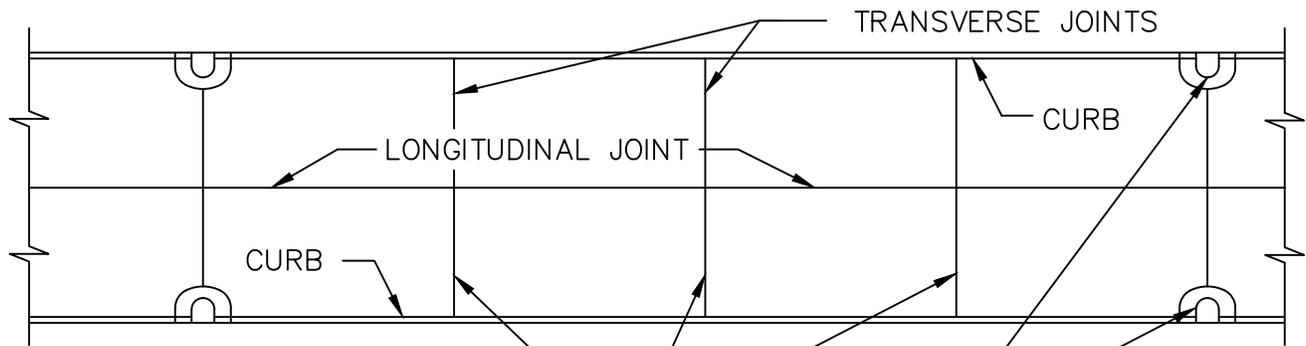
Reference Spec. No.
CW 3210, CW 3230, CW 3310

Revisions

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

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. SD-220B
Approved: PAVEMENT MANAGEMENT BRANCH		

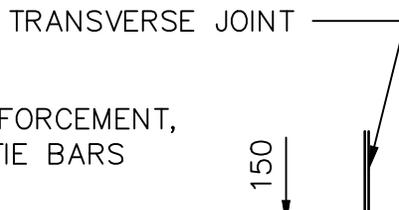


TRANSVERSE JOINT SPACING TO BE ADJUSTED SO THAT JOINT FALLS ON CENTRE OF CURB AND GUTTER INLET ISOLATION

CURB AND GUTTER INLETS

NOTE:

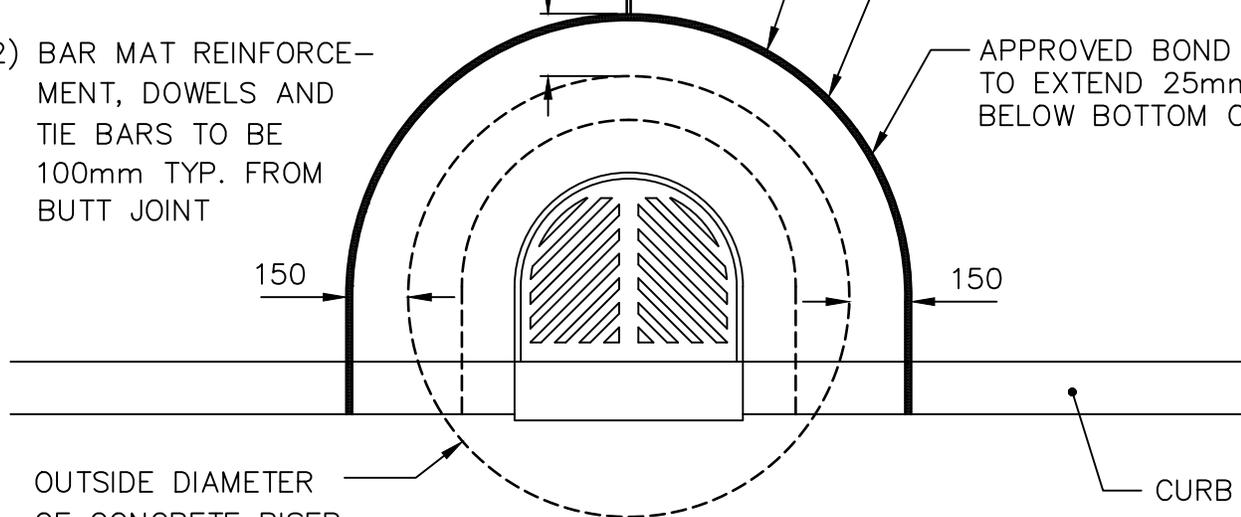
- 1) BAR MAT REINFORCEMENT, DOWELS AND TIE BARS NOT SHOWN
- 2) BAR MAT REINFORCEMENT, DOWELS AND TIE BARS TO BE 100mm TYP. FROM BUTT JOINT



BUTT JOINT ALL AROUND REF. SD-212

APPROVED BOND BREAKER TO BE BELOW TOP OF CONC. AND SEALED

APPROVED BOND BREAKER TO EXTEND 25mm-50mm BELOW BOTTOM OF CONC.



DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

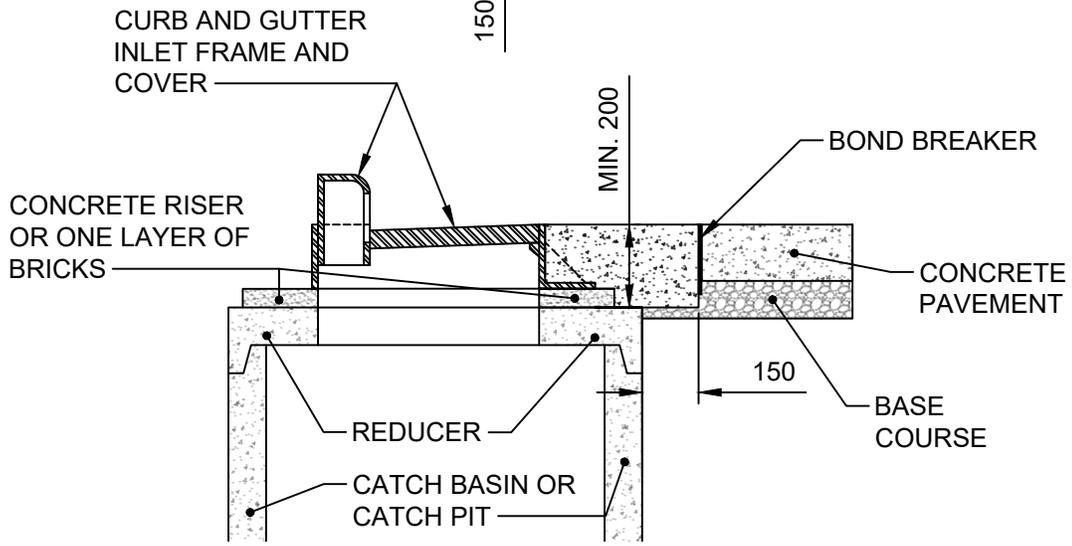
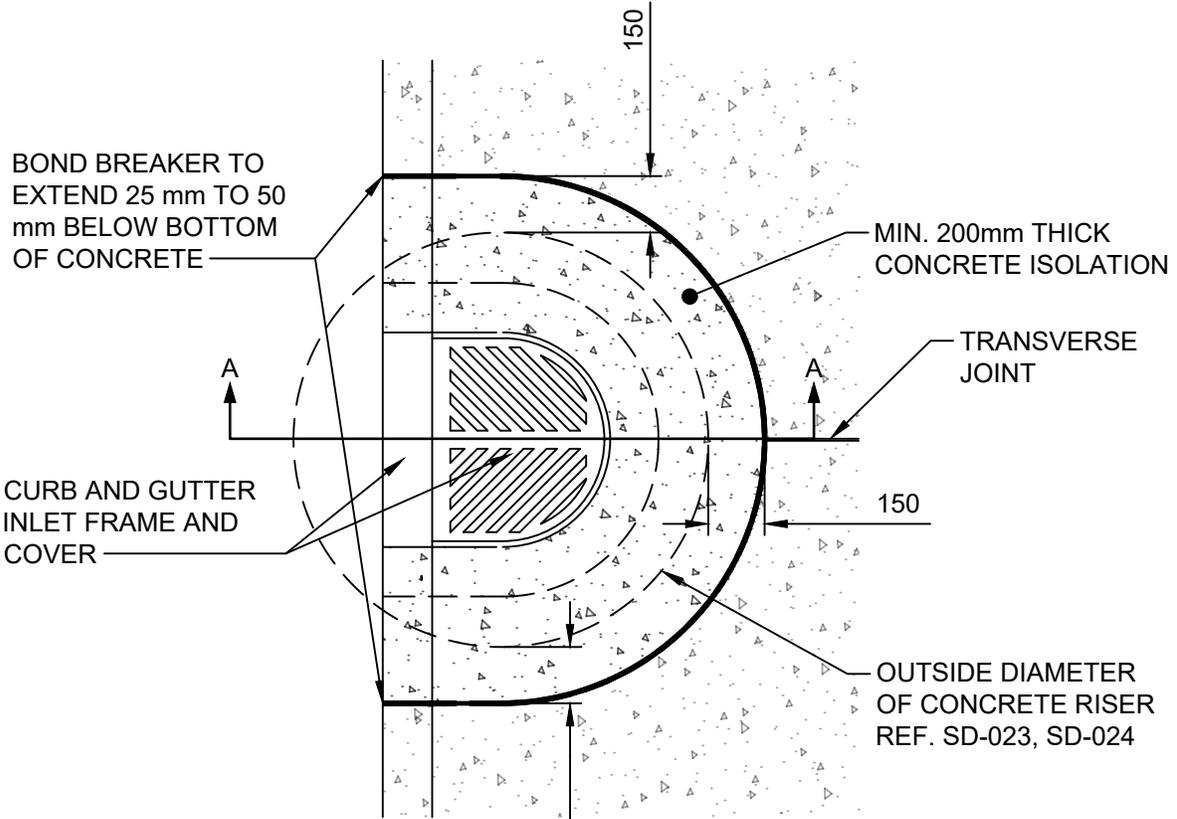
Reference Spec. No.
CW 3210, CW 3230, CW 3310

Revisions

No.	Date	Description	By
1.	DEC 25	ADDED ROUNDED FRAME	T.K.

CURB AND GUTTER INLET
ISOLATION DETAIL

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



SECTION A-A

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

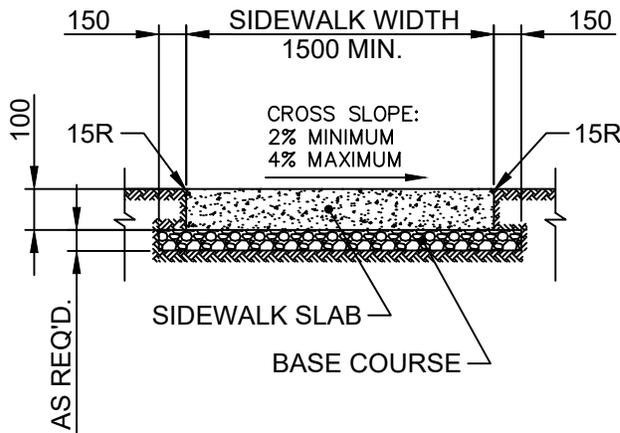
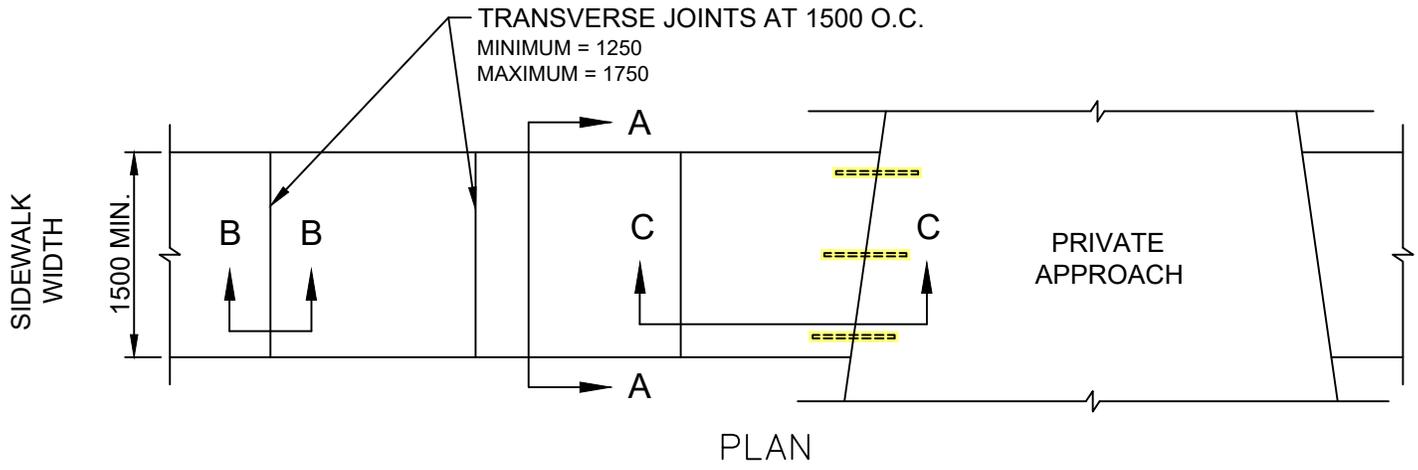
Reference Spec. No.
CW 3325

Revisions			

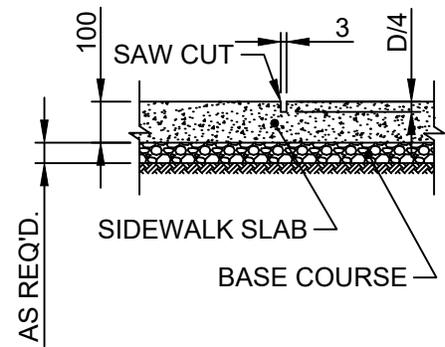
**BARRIER CURB AND GUTTER
INLET ISOLATION DETAIL FOR
EXPOSED CONCRETE PAVEMENTS**

No.	Date	Description	By

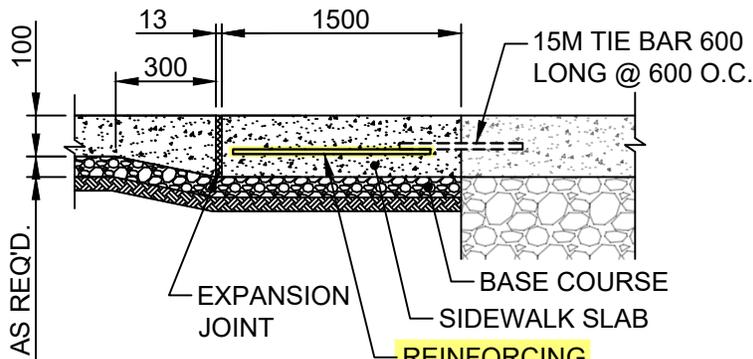
Designed By: A.G.	Drawn By: T.K.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No. SD-220D
Approved: PAVEMENT MANAGEMENT BRANCH		



SECTION A - A



SECTION B - B



SECTION C - C

REINFORCING
REF. SD-237

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

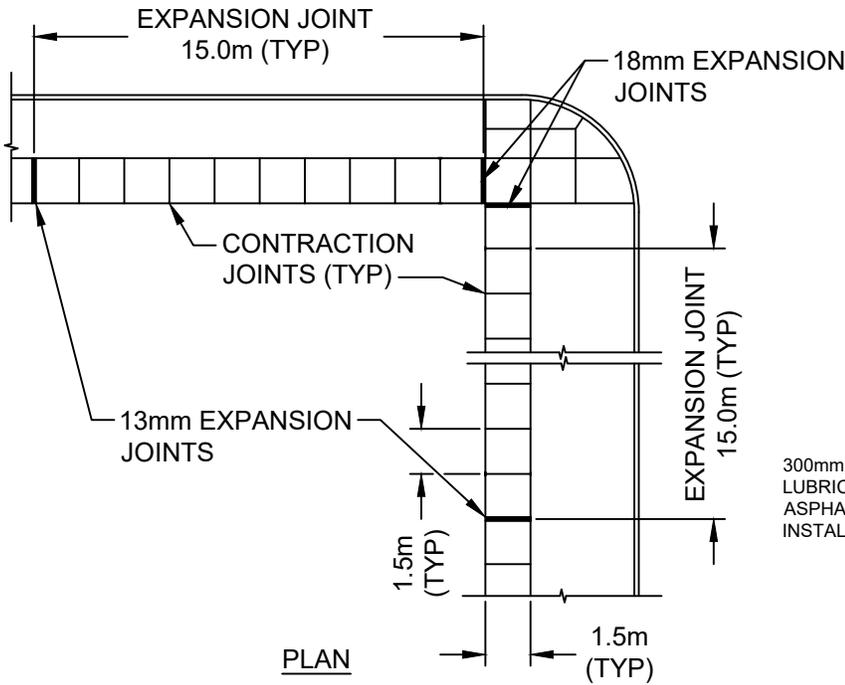


THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

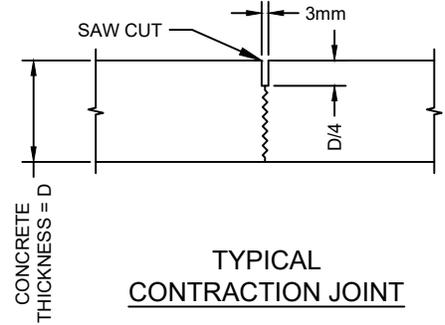
Reference Spec. No.
CW 3235, CW 3310, CW 3325

CONCRETE SIDEWALK

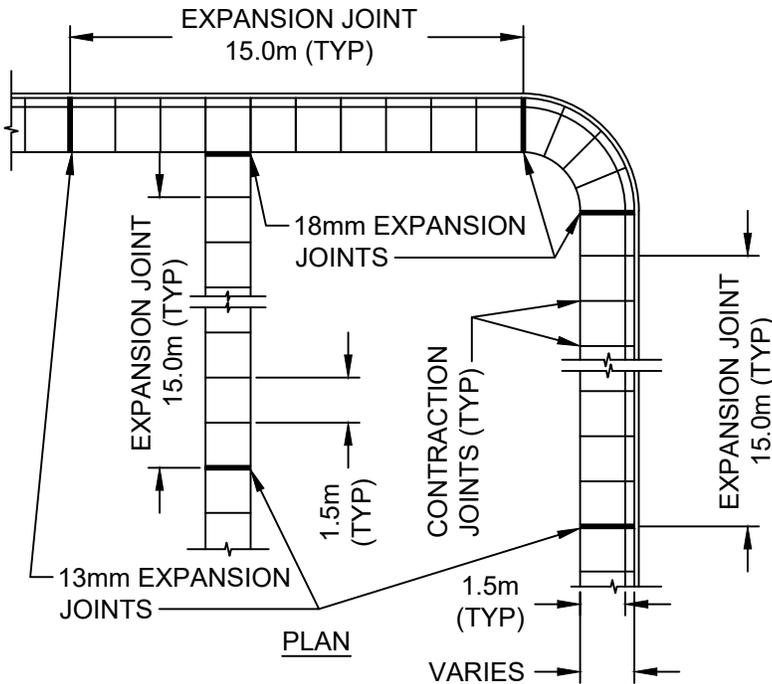
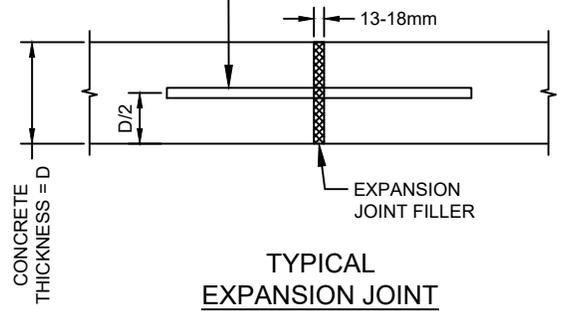
Revisions			
No.	Date	Description	By
1.	DEC 25	ADDED TIE BARS AND REINFORCING	T.K.
Designed By: A.G.			
Drawn By: R.B.			
Checked By: B.K.			
Date: 2025-12-15			
Approved: PAVEMENT MANAGEMENT BRANCH			
Scale : N.T.S.			Drawing No.
			SD-228A



PLAN



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



PLAN

VARIES

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

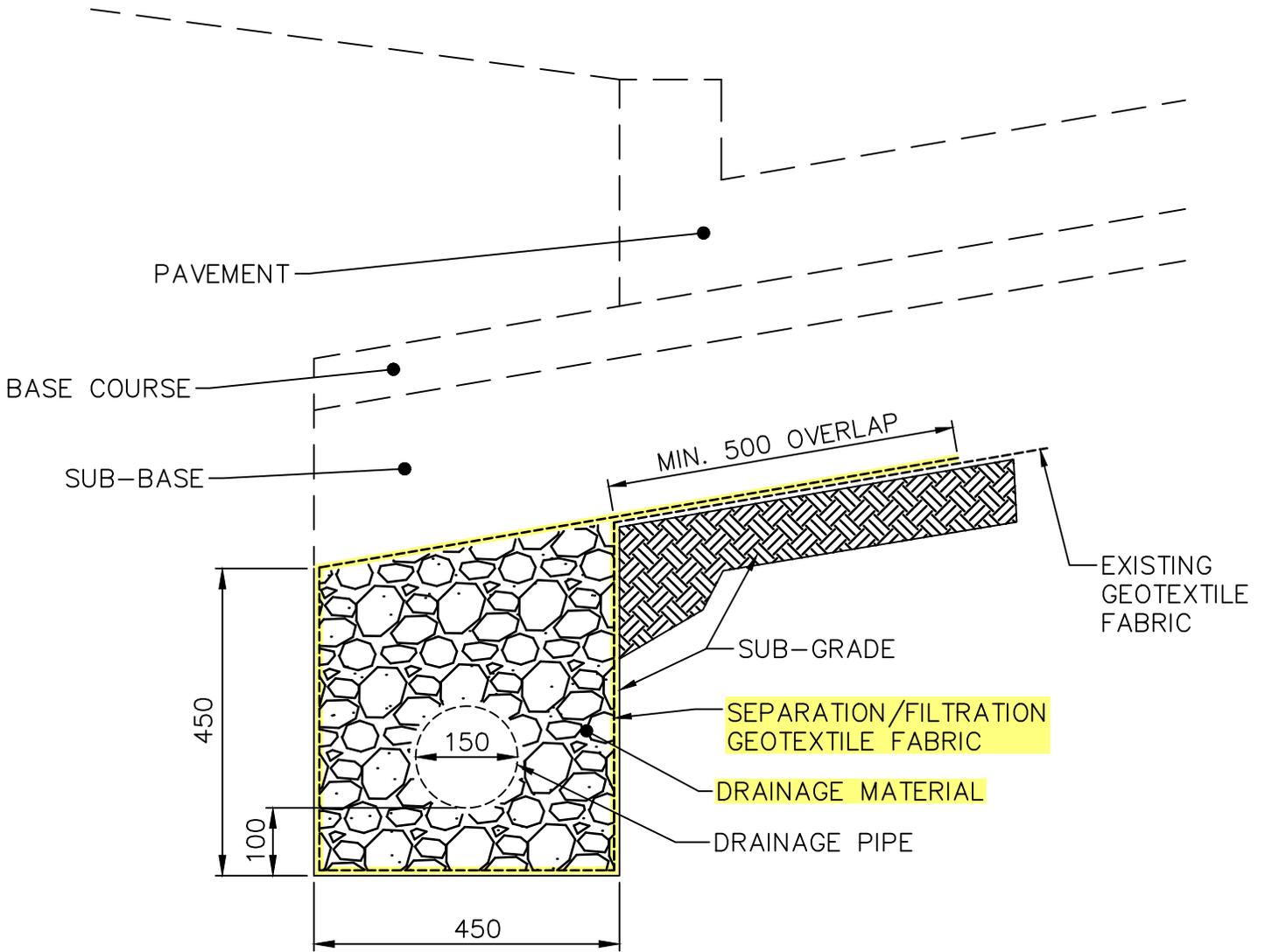
Reference Spec. No.
CW 3325

Revisions

No.	Date	Description	By

SIDEWALK EXPANSION JOINTS

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



DIMENSIONS IN MILLIMETERS



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

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

Revisions

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

SUBDRAIN INSTALLATION
DETAIL

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