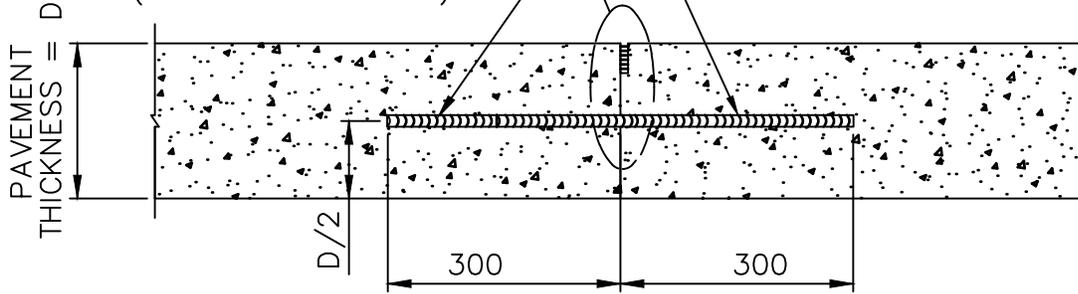


APPENDIX 'C'

STANDARD DETAILS

BUTT JOINT
REF. SD-212

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

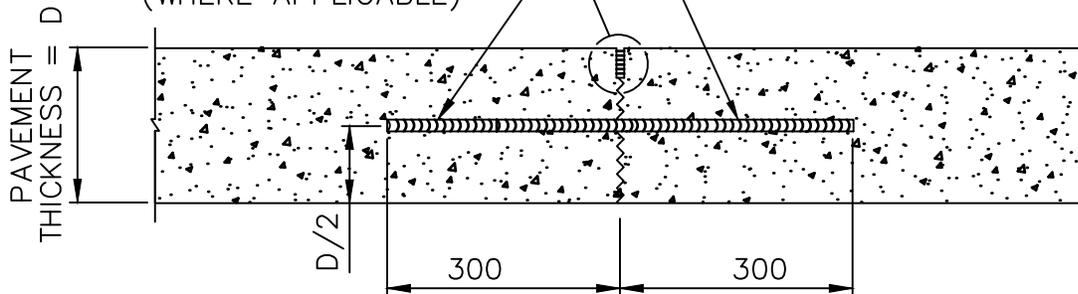


600 LONG TIE BARS:
15M @ 600 O.C. FOR PAVEMENTS $D < 200$
20M @ 600 O.C. FOR PAVEMENTS $D = 200$
25M @ 600 O.C. FOR PAVEMENTS $D > 200$

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.

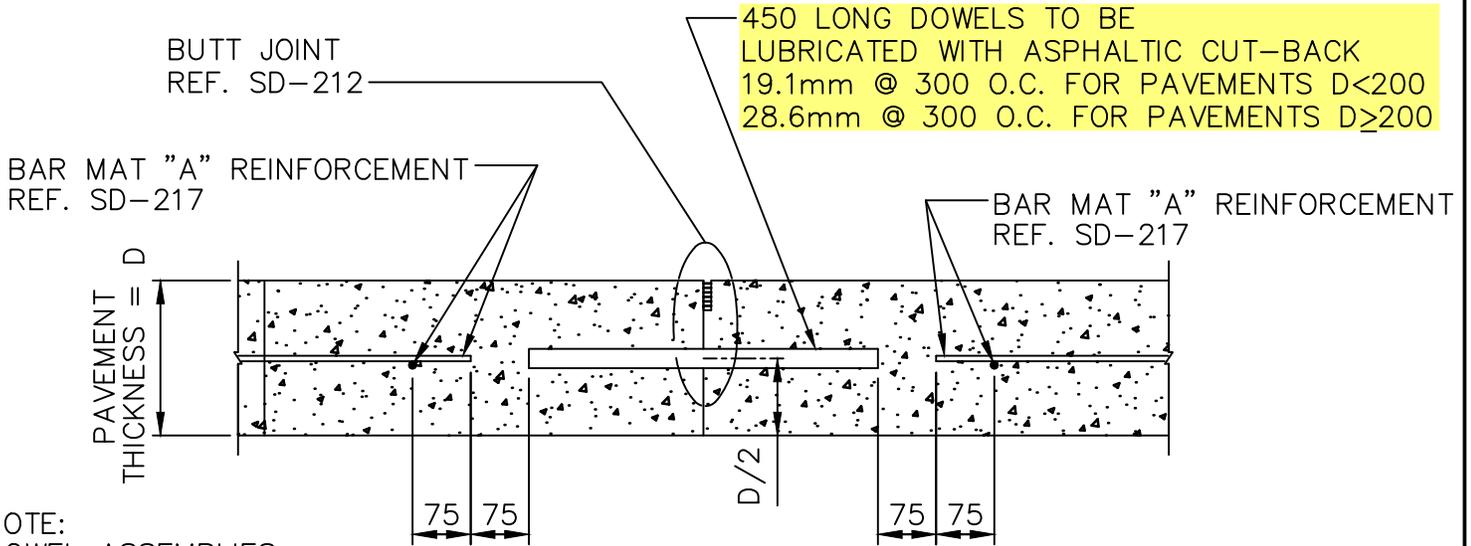
Checked By:
D.R.K.

Date:
2025-12-15

Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-210A



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**

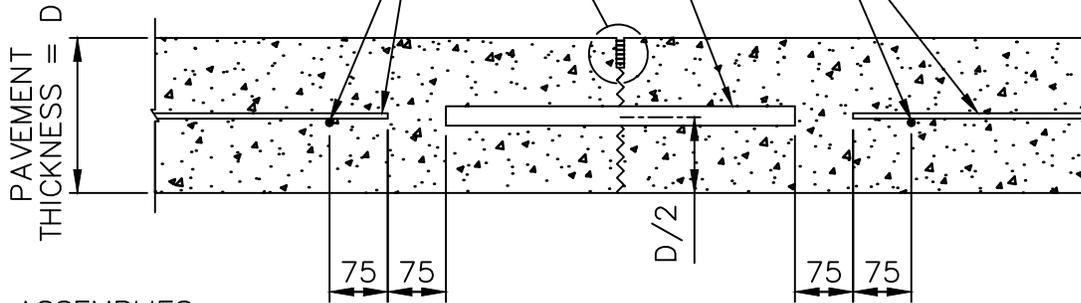
Designed By: A.G.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.K.	Date: 2025-12-15	Drawing No. SD-211A
Approved: PAVEMENT MANAGEMENT BRANCH		

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

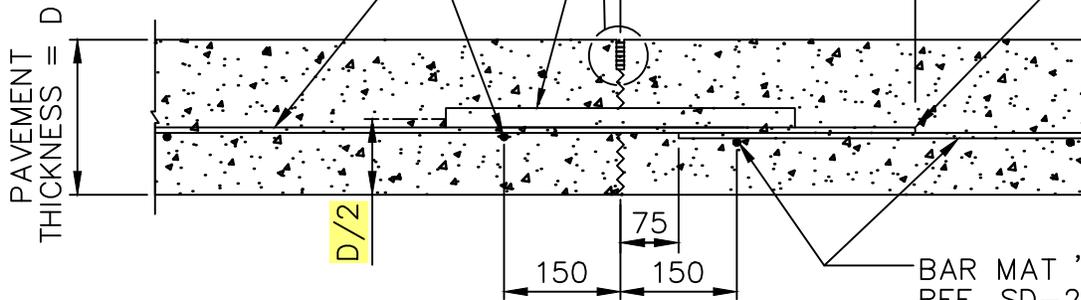
CONTRACTION JOINT MAT "A"

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

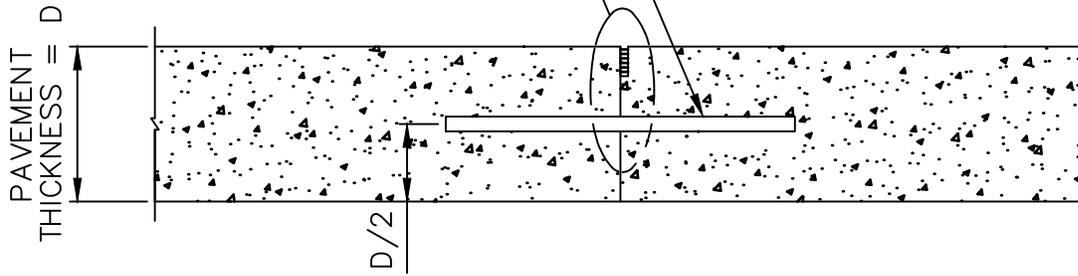
Drawing No.

Approved:
PAVEMENT MANAGEMENT BRANCH

SD-211B

BUTT JOINT REF. SD-212

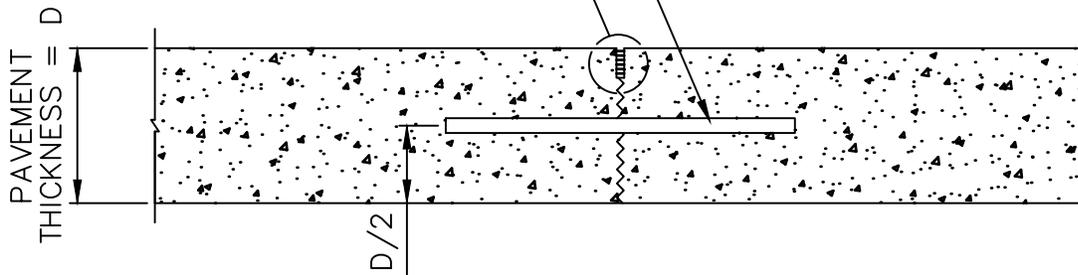
450 LONG DOWELS TO BE LUBRICATED WITH ASPHALTIC CUT-BACK
 19.1mm @ 300 O.C. FOR PAVEMENTS $D < 200$
 28.6mm @ 300 O.C. FOR PAVEMENTS $D \geq 200$



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



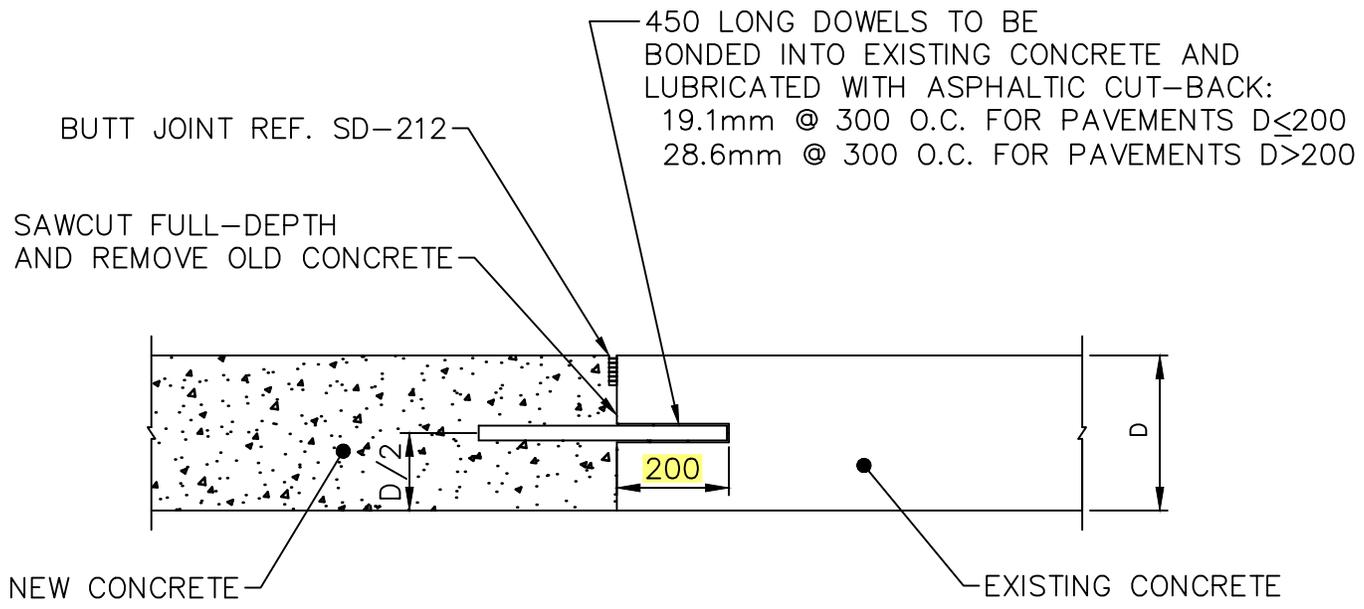
THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

Reference Spec. No.
 CW 3230, CW 3310

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

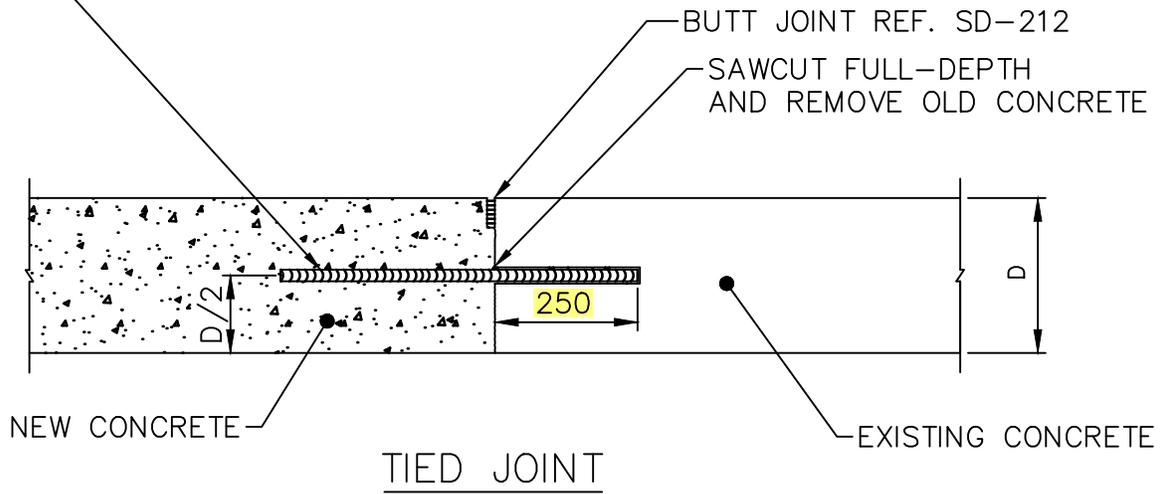
CONSTRUCTION JOINT AND
 CONTRACTION JOINT FOR
 PLAIN DOWELLED
 CONCRETE PAVEMENT

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. SD-211C
Approved: PAVEMENT MANAGEMENT BRANCH		



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



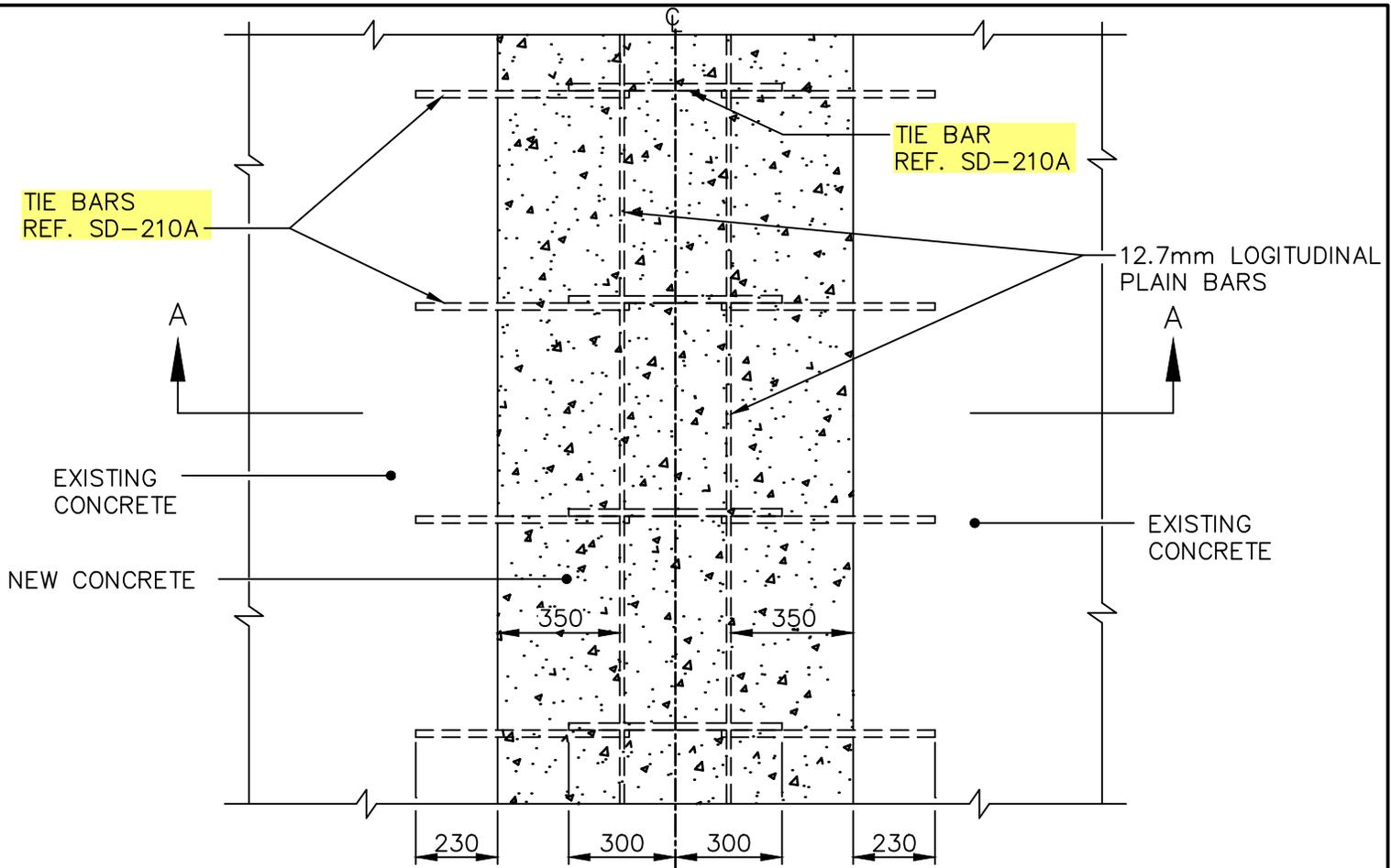
THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

Reference Spec. No.
 CW 3230, CW 3310

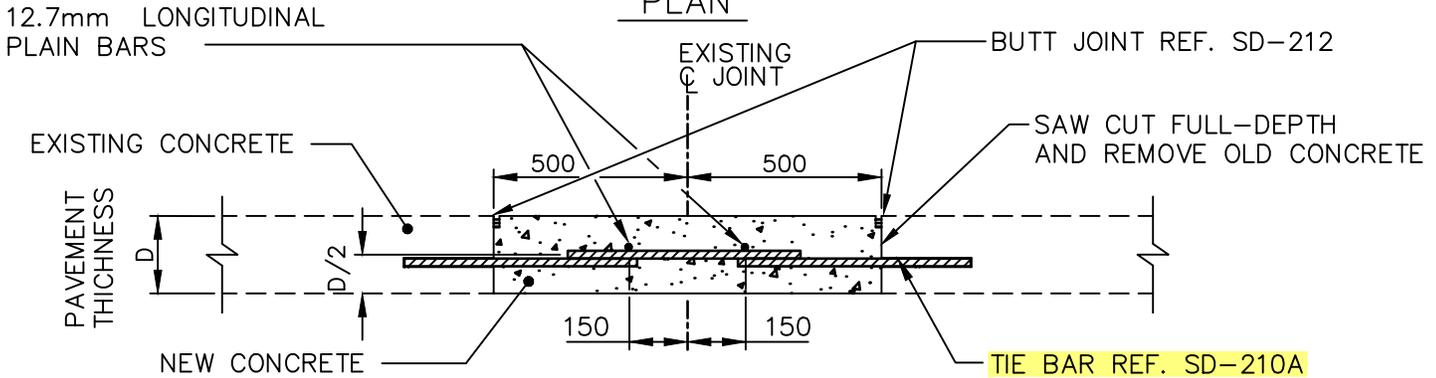
Revisions			
No.	Date	Description	By
2.	OCT 24	TIE BAR DETAILS	A.G.
1.	OCT 13	GENERAL REVISION	L.W.B.

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



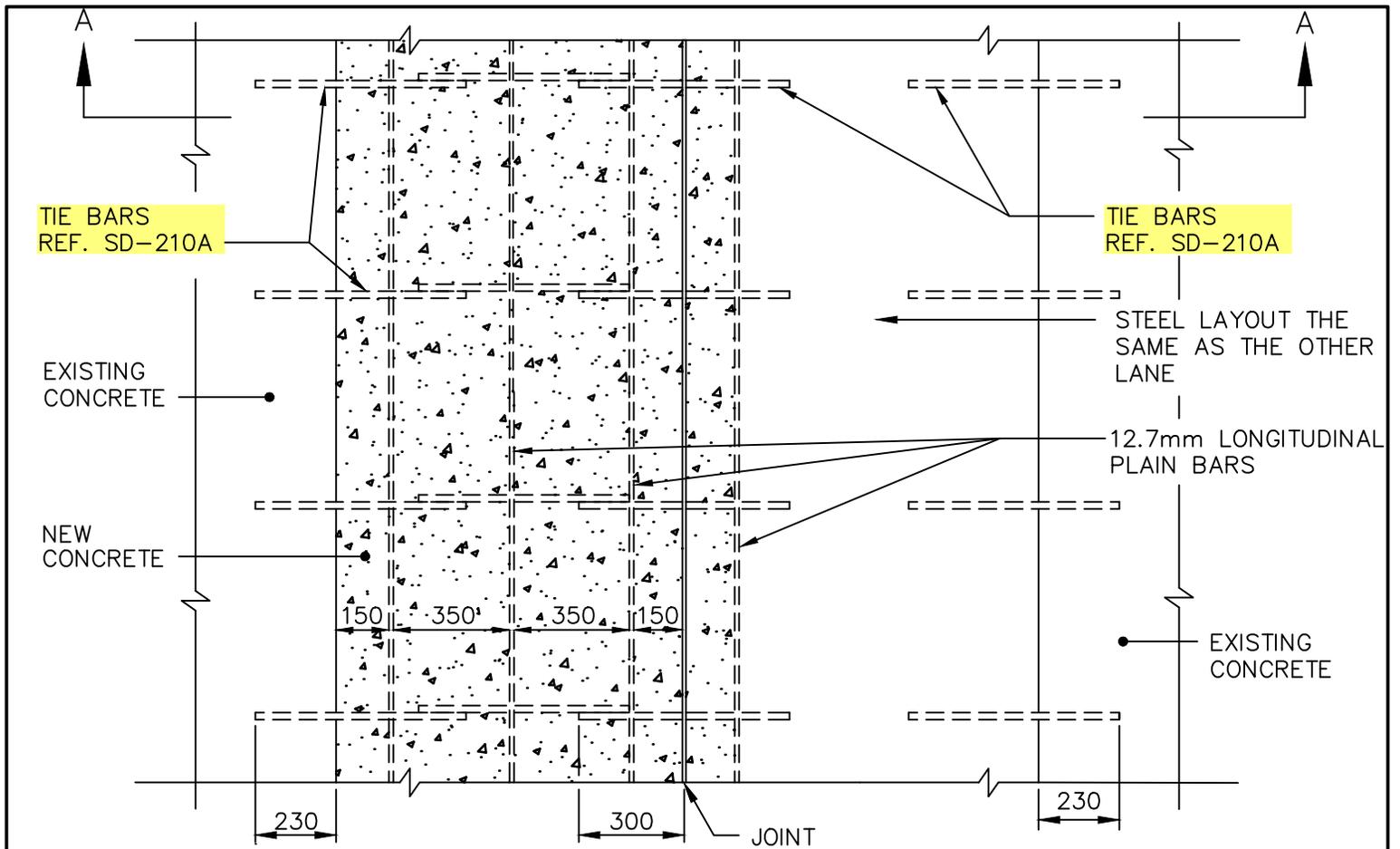
SECTION A-A

NOTE:

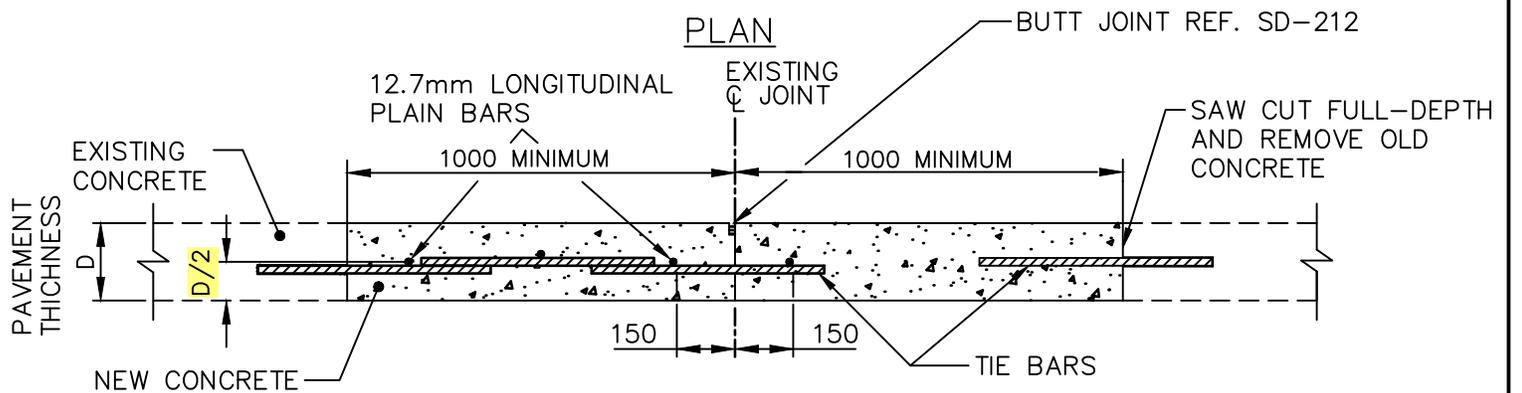
1. IF JOINT REPAIR IS GREATER THAN 1000 WIDE ON EITHER SIDE OF THE JOINT, USE ADDITIONAL 12.7mm LONGITUDINAL PLAIN BARS AT 450 O.C. OR USE BAR MAT REF. SD-217.
2. INSTALL DOWELS AT PATCH ENDS, REF. SD-213B.

DIMENSIONS IN MILLIMETRES

 THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	Revisions			
Reference Spec. No. CW 3230, CW 3310	3.	OCT 24	TIE BAR DETAILS	A.G.
	2.	FEB 04	GENERAL REVISION	J.G.
	1.	JAN 03	GENERAL REVISION	A.P.
	No.	Date	Description	By
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



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.

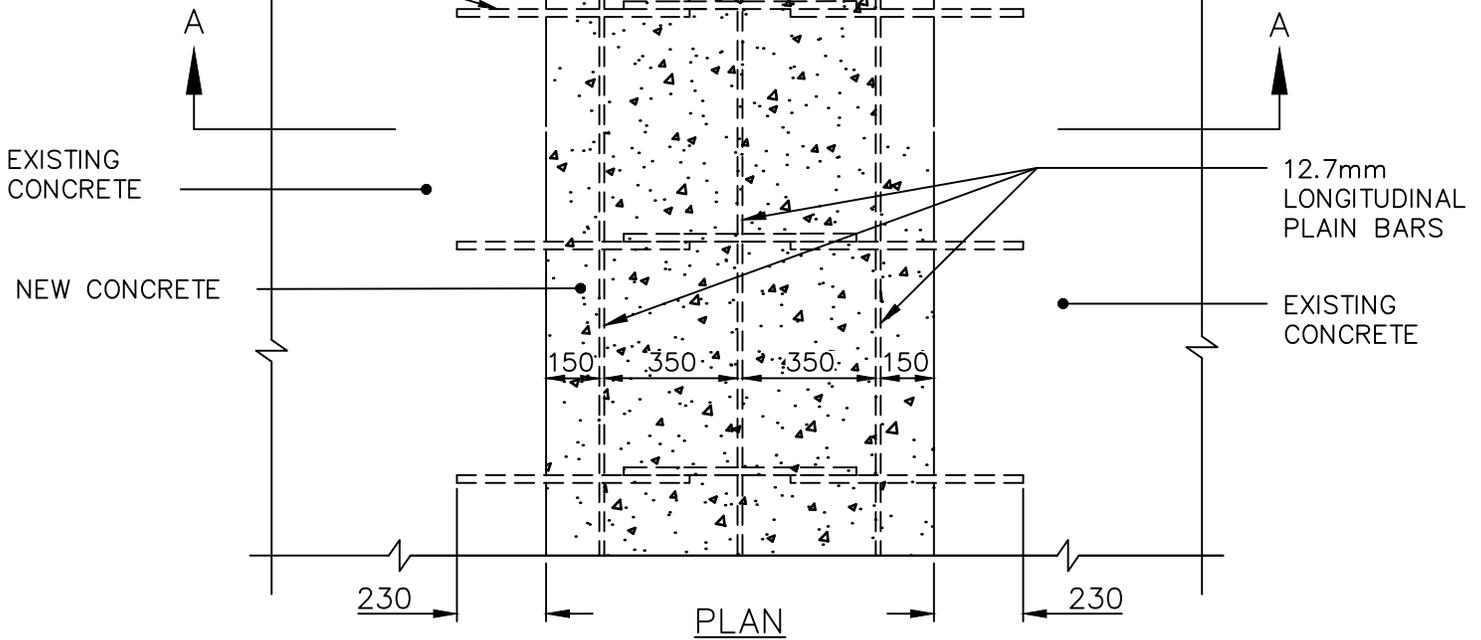
Date:
2025-12-15

Drawing No.

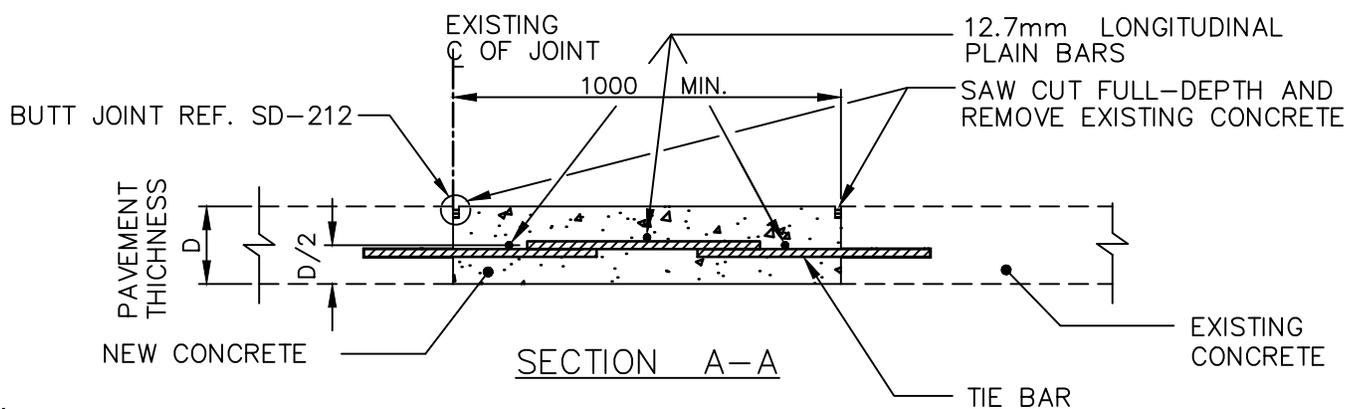
Approved:
PAVEMENT MANAGEMENT BRANCH

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

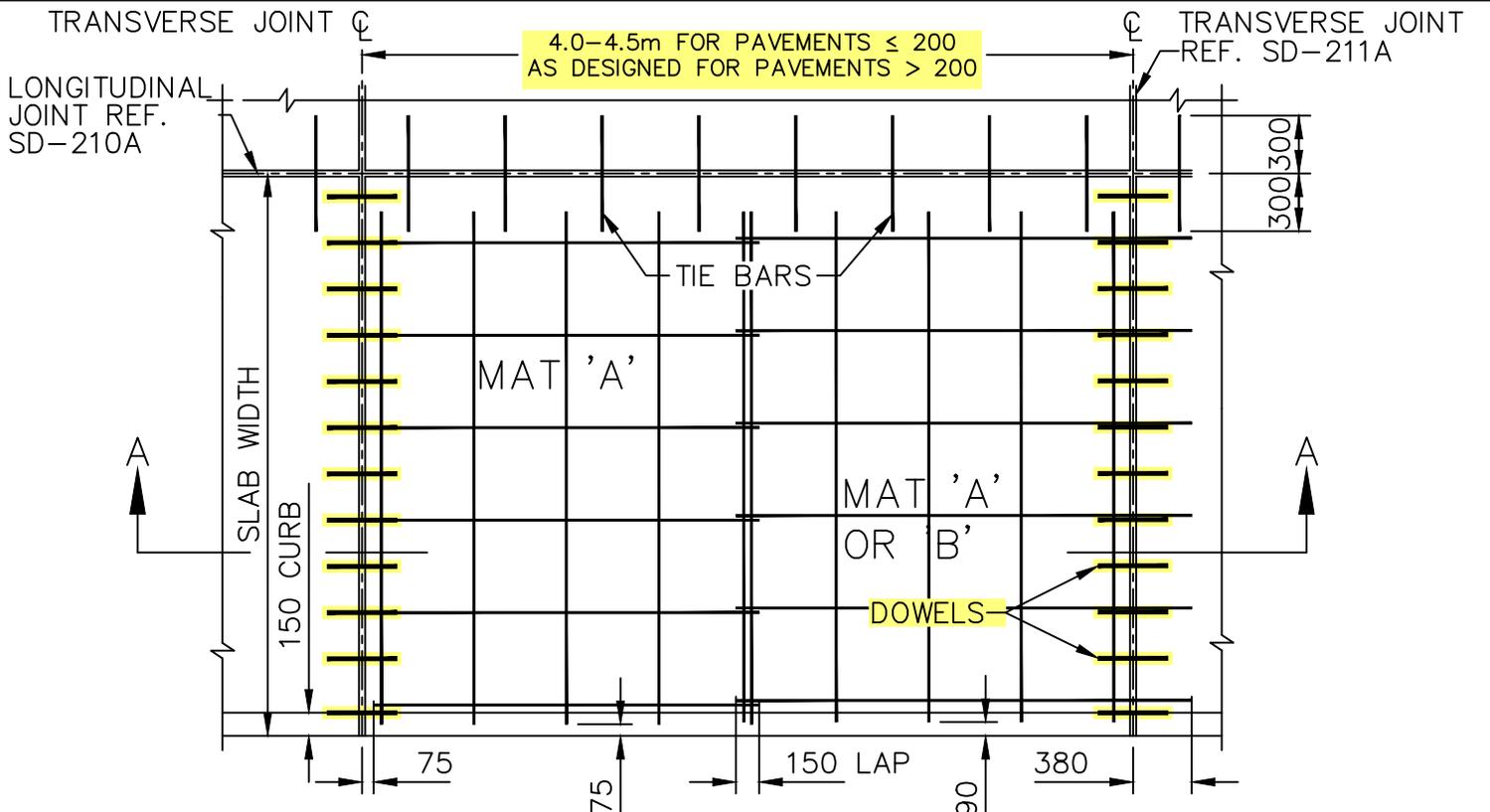
Reference Spec. No.
CW 3230, CW 3310

Revisions

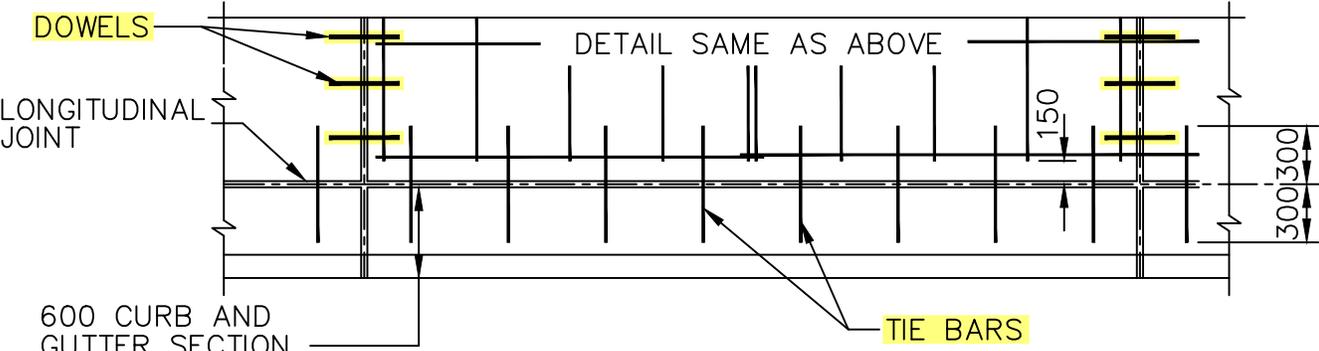
No.	Date	Description	By
3.	OCT 24	TIE BAR DETAILS	A.G.
2.	FEB 04	GENERAL REVISION	J.G.
1.	JAN 03	GENERAL REVISION	L.W.B.

LONGITUDINAL JOINT PATCH DETAILS
ONE SIDE ONLY

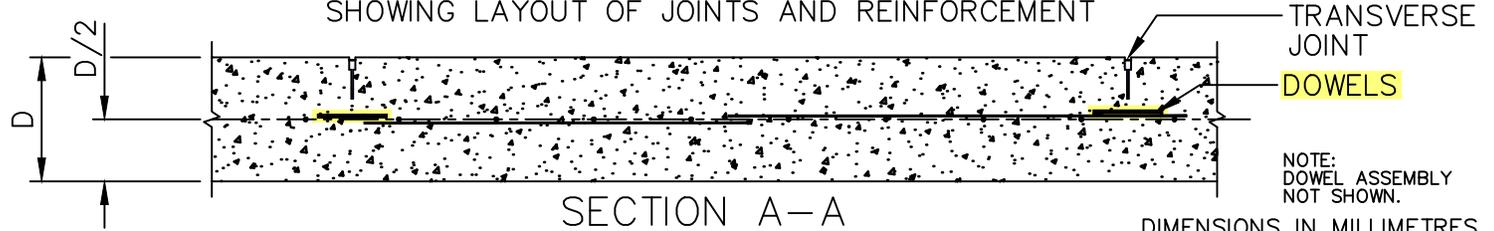
Designed By: L.S.W.L.	Drawn By: R.B.	Scale : N.T.S.
Checked By: B.P.	Date: 2025-12-15	Drawing No. SD-214C
Approved: PAVEMENT MANAGEMENT BRANCH		



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



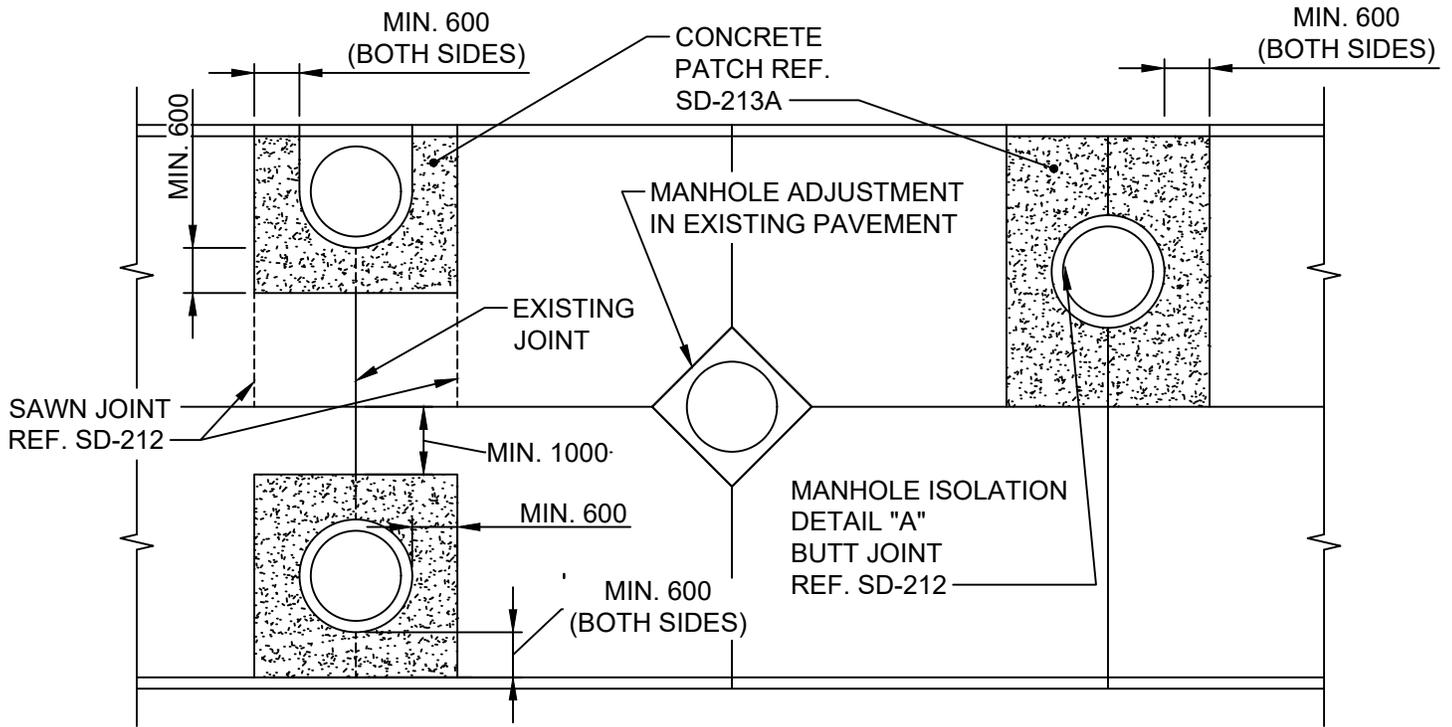
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Reference Spec. No.
CW 3230, CW 3310

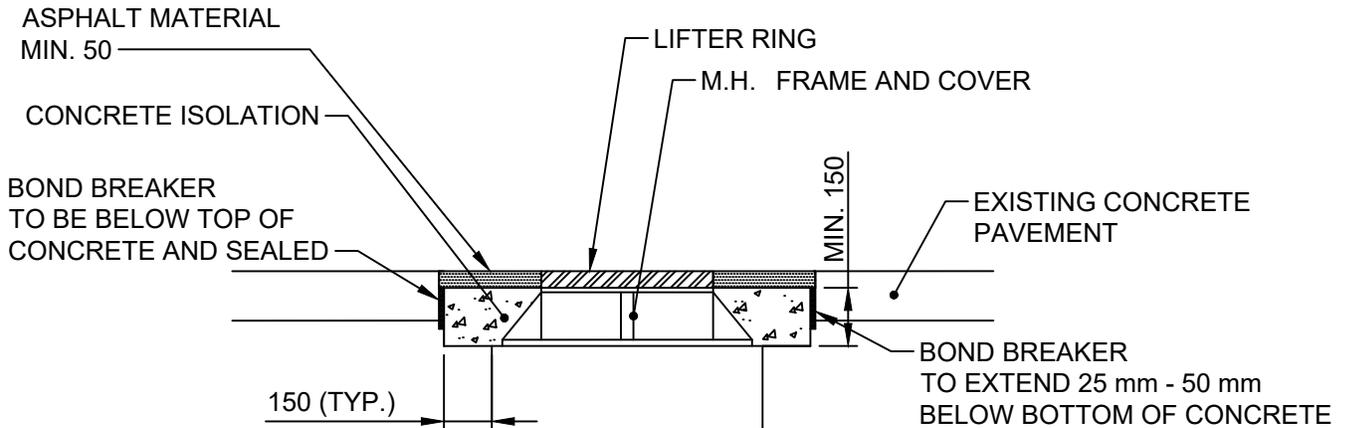
Revisions			
No.	Date	Description	By
1.	OCT 24	ADDED DOWELS	R.B.
1.	JAN 03	GENERAL REVISION	L.W.B.

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



**ISOLATION FOR M.H.
ADJUSTMENT OR RESTORATION**



DETAIL "A"

DIMENSIONS IN MILLIMETRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

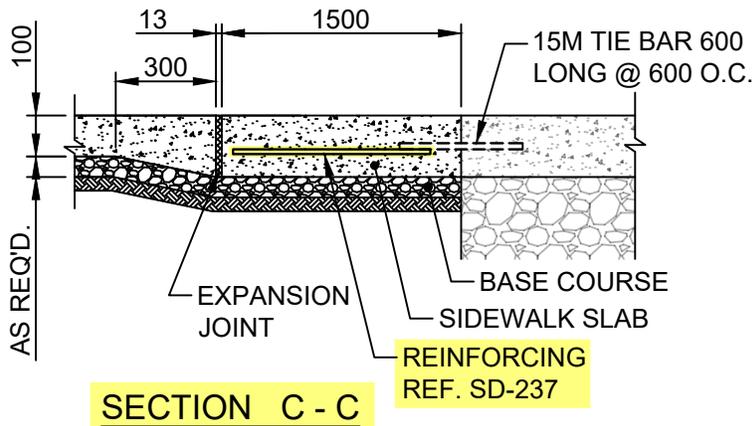
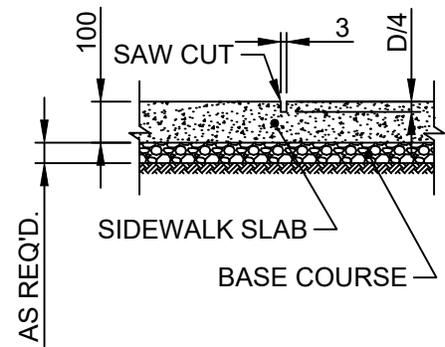
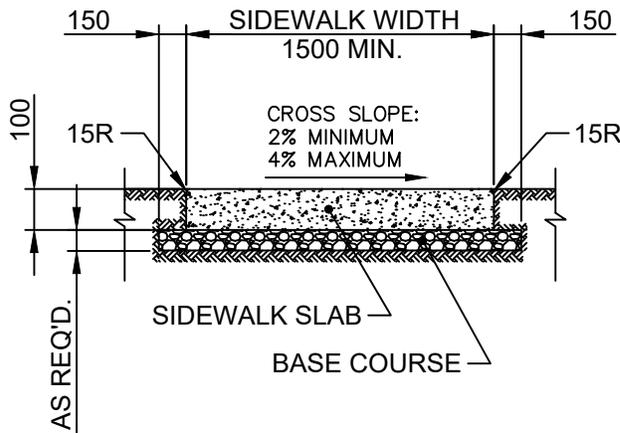
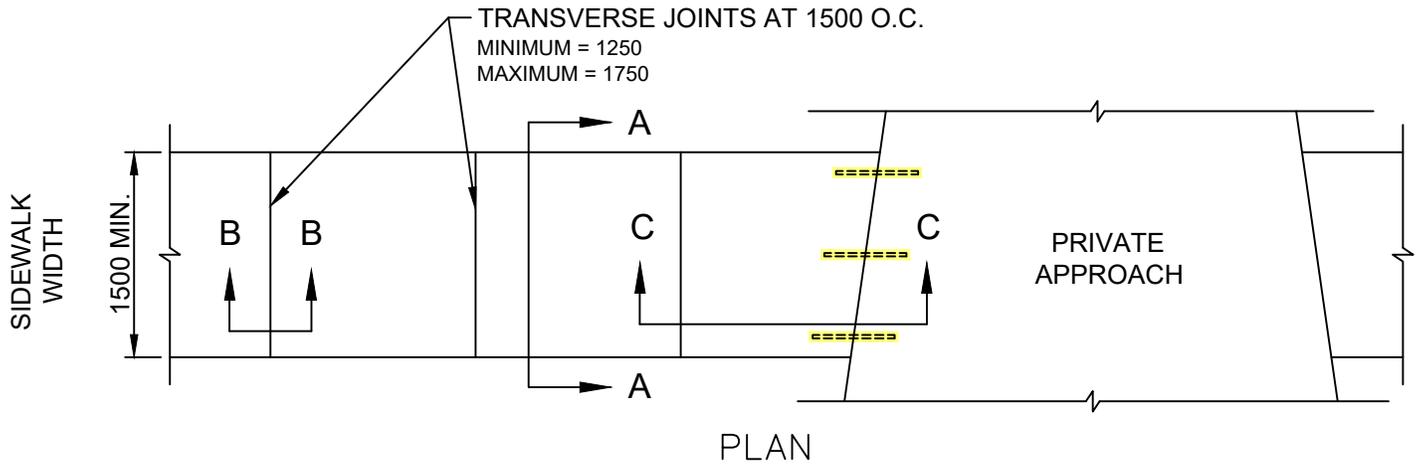
Reference Spec. No.
CW 3210, CW 3230, CW 3310

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		



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.			
Checked By: B.K.			
Approved: PAVEMENT MANAGEMENT BRANCH			
Drawn By: R.B.		Scale : N.T.S.	
Date: 2025-12-15		Drawing No. SD-228A	