

Streetscape Standard Drawings List

SS-100 Series - Hardscape/Paving Details

Drawing Number	Drawing Title	Revision Date
SS-100	Unit Pavers on Concrete Base	January 2023
SS-101A	Unit Pavers on Granular Base	January 2023
SS-101B	Permeable Unit Pavers	January 2023
SS-101C	Vegetative Paving	January 2023
SS-102A	Unit Paver Median on Concrete Base	January 2023
SS-102B	Unit Paver Median on Concrete Base over Bridge Deck	January 2023
SS-102C	Impressed/Stamped Coloured Concrete Median over Bridge Deck	January 2023
SS-103	Unit Paver Median on Granular Base	January 2023
SS-104A	Impressed/Stamped Coloured Concrete Median	January 2023
SS-104B	Sodded Median with Coloured Concrete Splash Strips	January 2023
SS-105A	Coloured Concrete Splash Strip for Concrete Barrier Curb with Standard Gutter Boulevards	January 2023
SS-105B	Pervious Coloured Concrete Splash Strip for Concrete Barrier Curb with Standard Gutter Boulevards	January 2023
SS-105C	Porous Coloured Asphalt Splash Strip for Concrete Barrier Curb with Standard Gutter Boulevards	January 2023
SS-106	Concrete Sidewalk with Inlaid Unit Paver Solider Course	January 2023
SS-107	Concrete Edge Restraint for Unit Pavers	January 2023
SS-108	Steel Edge Restraint for Unit Pavers	January 2023
SS-109	Typical Zebra Pavement Marking Detail at Signalized Intersections Using "TrafficPatternsXD"	January 2023
SS-110	Unit Pavers at Curb Ramps	January 2023

Streetscape Standard Drawings List

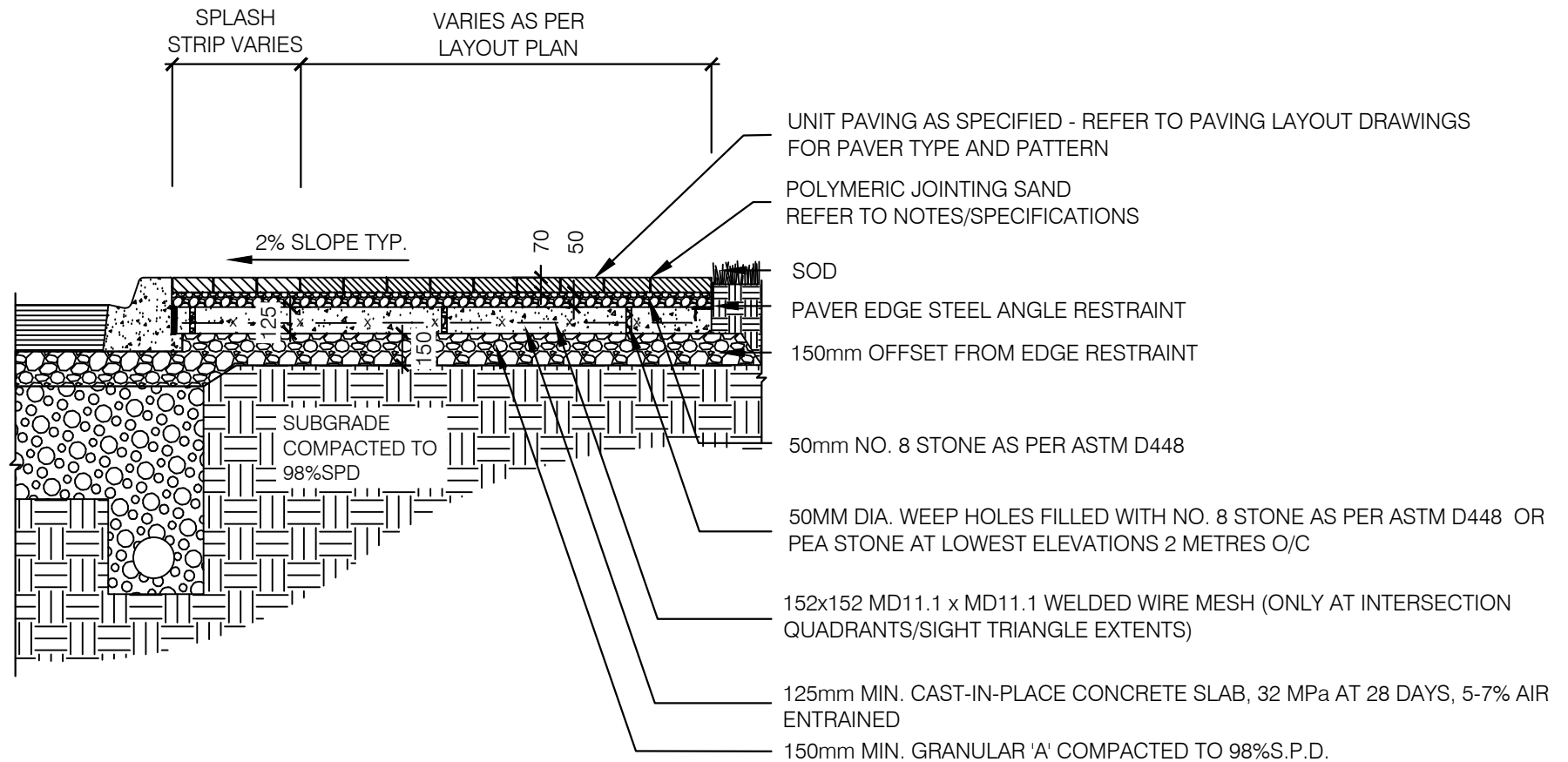
SS-200 Series - Planter Details

Drawing Number	Drawing Title	Revision Date
SS-200A	Cast-In-Place Median Planter Wall I	January 2023
SS-200B	Cast-In-Place Median Planter Wall Layout Detail I	January 2023
SS-200C	Concrete Planter Wall Contraction and Expansion Joint Detail	January 2023
SS-200D	Planter Wall Coping Unit	January 2023
SS-200E	Planter Wall Coping Unit	January 2023
SS-200F	Planter Wall Coping Unit	January 2023
SS-201A	Pre-Cast Architectural Boulevard Planter	January 2023
SS-201B	Pre-Cast Architectural Boulevard Planter Layout	January 2023
SS-202A	Cast-In-Place Median Planter II	January 2023
SS-202B	Cast-In-Place Median Planter Layout II	January 2023
SS-203	Cast-In-Place Concrete Planter Curb	January 2023
SS-204	Typical Armour Stone Retaining Wall with Sidewalk	October 2025

Streetscape Standard Drawings List

SS-300 Series - Site Furniture/Fixtures Details

Drawing Number	Drawing Title	Revision Date
SS-300	Bridge Plaque	January 2023
SS-301	Banner Pole on Concrete Base	January 2023
SS-302A	Unit Pavers in Median Island Adjacent Object Markers/Posts	January 2023
SS-302B	Coloured Concrete in Median Island Adjacent Object Markers/Posts	January 2023
SS-304	Pedestrian and Cyclist Barricade	October 2025



NOTES:

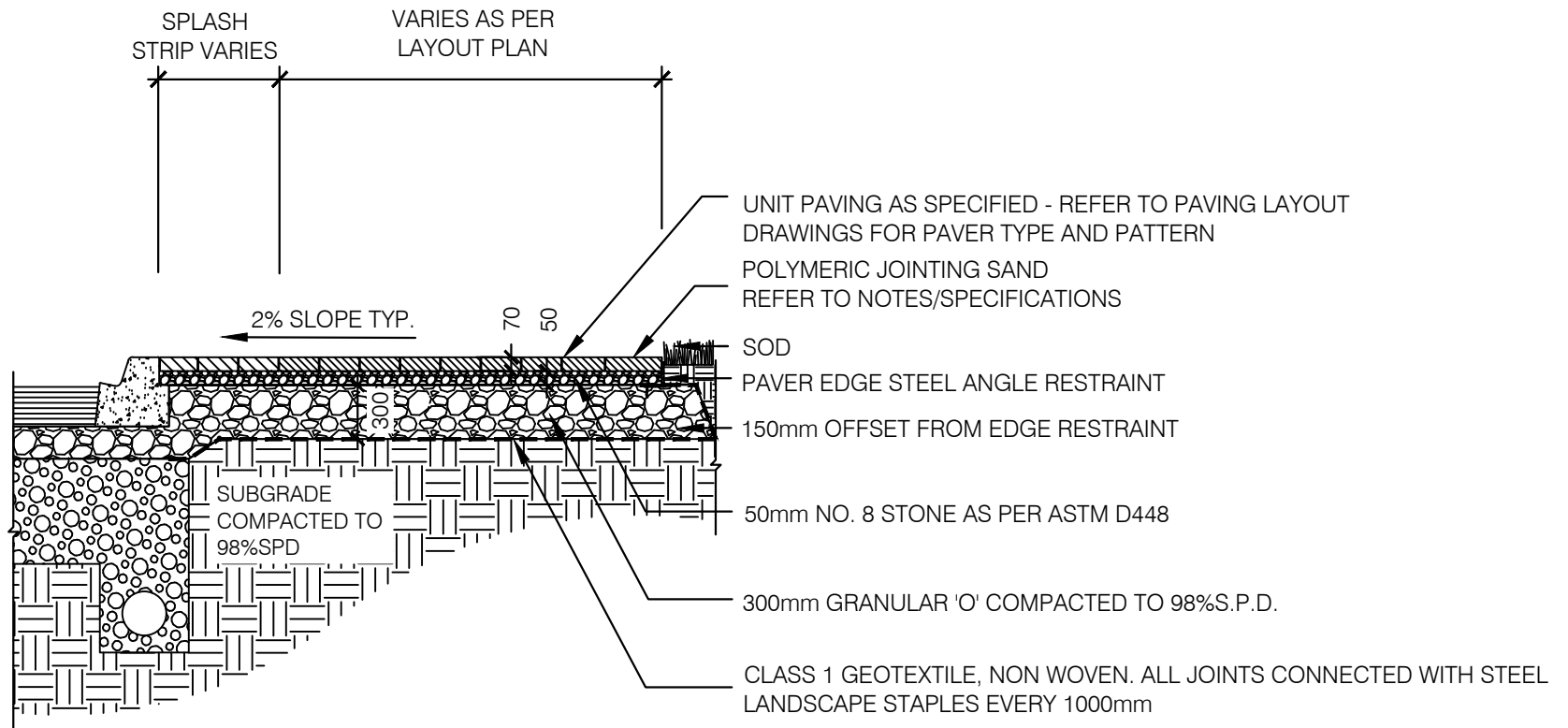
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 32 MPa AT 28 DAYS, 5-7% AIR ENTRAINED
3. POLYMERIC JOINTING SAND TO BE APPLIED FLUSH WITH TOP OF PAVERS
4. POLYMERIC SAND TO BE WATERED AS PER THE MANUFACTURES INSTRUCTIONS
5. CONTROL JOINTS ON CURBS TO BE COVERED WITH A 100mmx200mm FILTER CLOTH ON THE INSIDE OF CURB TO PREVENT MIGRATION OF JOINTING SAND.
6. WELDED WIRE MESH IS TO HAVE A 60mm OFFSET FROM ALL SURFACES OF THE CONCRETE. ANY FINISHED CONCRETE WITH EXPOSED STEEL REINFORCEMENT SHALL BE REPLACED.
7. CONTROL JOINTS SHALL BE LAID OUT WITH THE JOINTS AT 1500mm O.C WITH AN EXPANSION JOINT EVERY THIRD JOINT.



**Public Works
Transportation**

UNIT PAVERS ON CONCRETE BASE

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-100



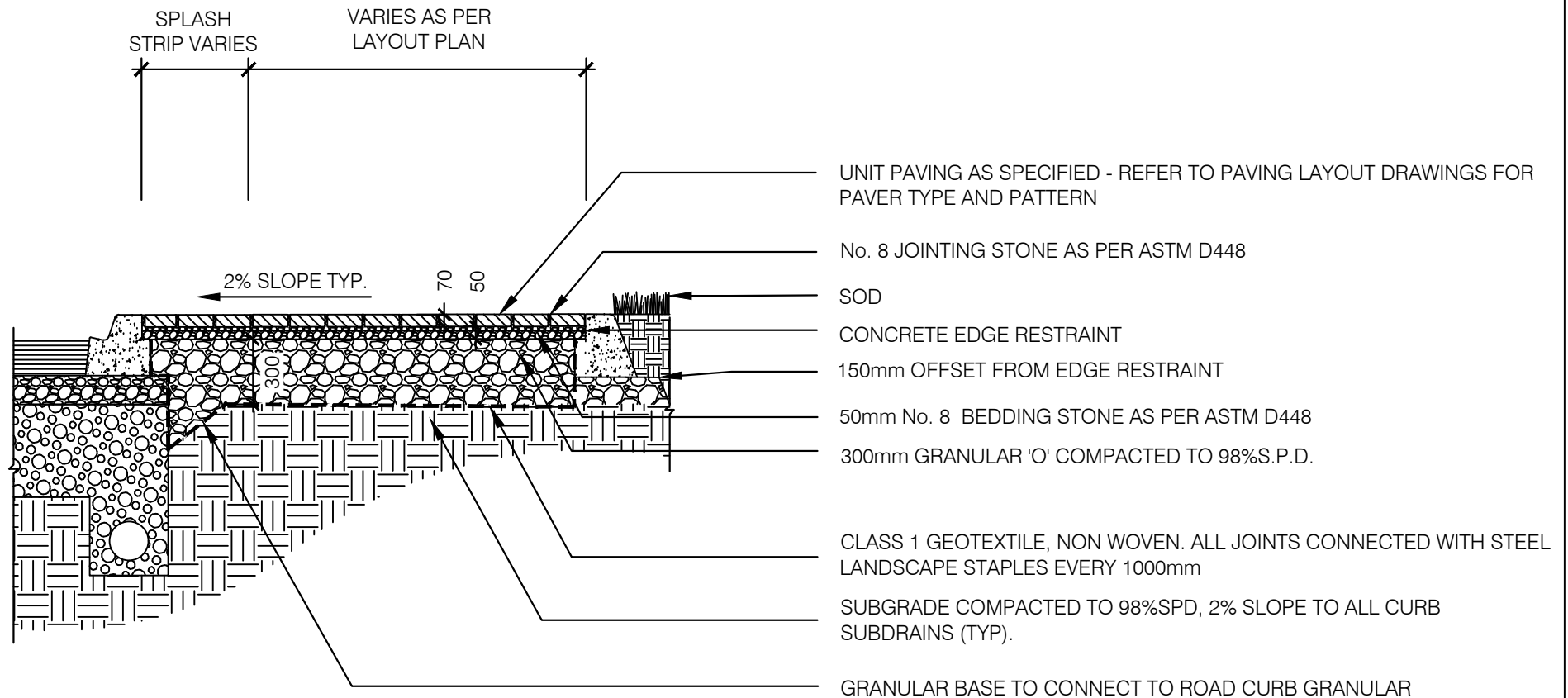
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. POLYMERIC JOINTING SAND TO BE APPLIED FLUSH WITH TOP OF PAVERS
3. POLYMERIC SAND TO BE WATERED AS PER THE MANUFACTURES INSTRUCTIONS
4. CONTROL JOINTS ON CURBS TO BE COVERED WITH A 100mmx200mm FILTER CLOTH ON THE INSIDE OF CURB TO PREVENT MIGRATION OF JOINTING SAND



UNIT PAVERS ON GRANULAR BASE

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-101A



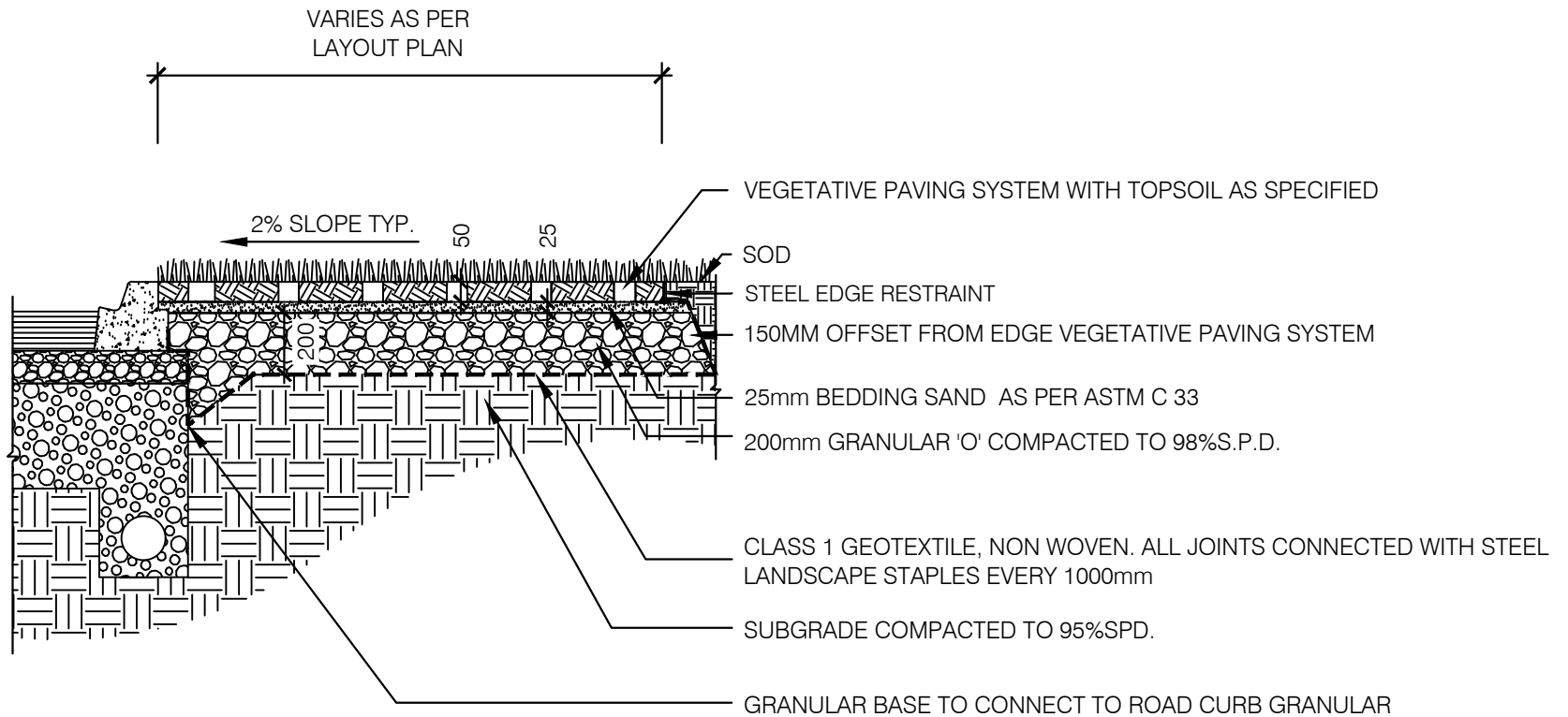
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. JOINTING STONE TO BE APPLIED FLUSH WITH TOP OF PAVERS
3. ALL JOINTING, BEDDING, AND SUBBASE TO BE CLEAR ANGULAR STONE WITH NO ROUNDS.
4. PAVER JOINT OR OPENING FILL AGGREGATE SHALL USE NO. 8 MATERIAL AS DESCRIBED ABOVE, SMALLER AGGREGATE (NO. 89, 9 OR 10, PER ASTM D448) MAY BE SUBSTITUTED IF REQUIRED TO FILL NARROWER JOINTS OR OPENINGS.



PERMEABLE UNIT PAVERS

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-101B

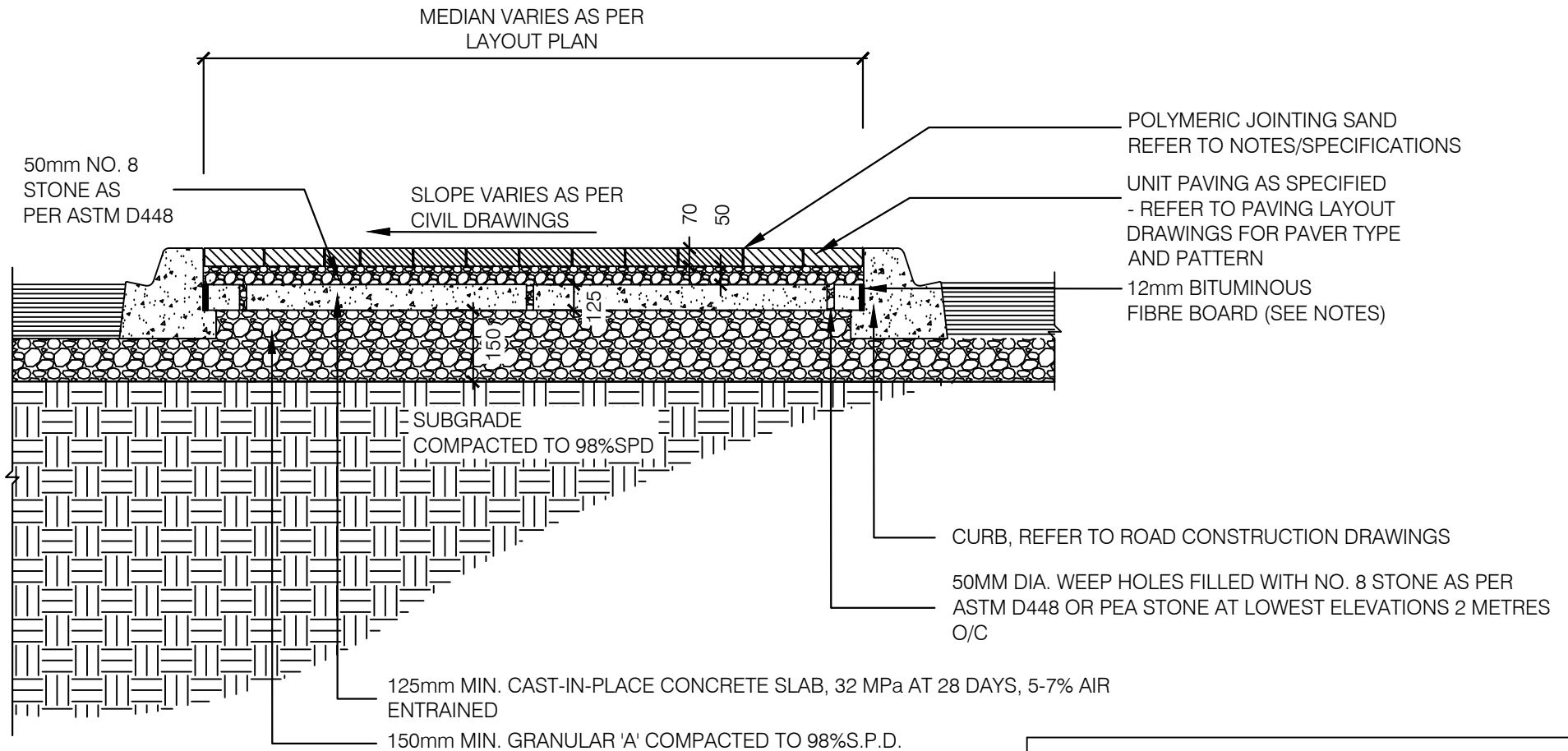


NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED

VEGETATIVE PAVING

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-101C



NOTES:

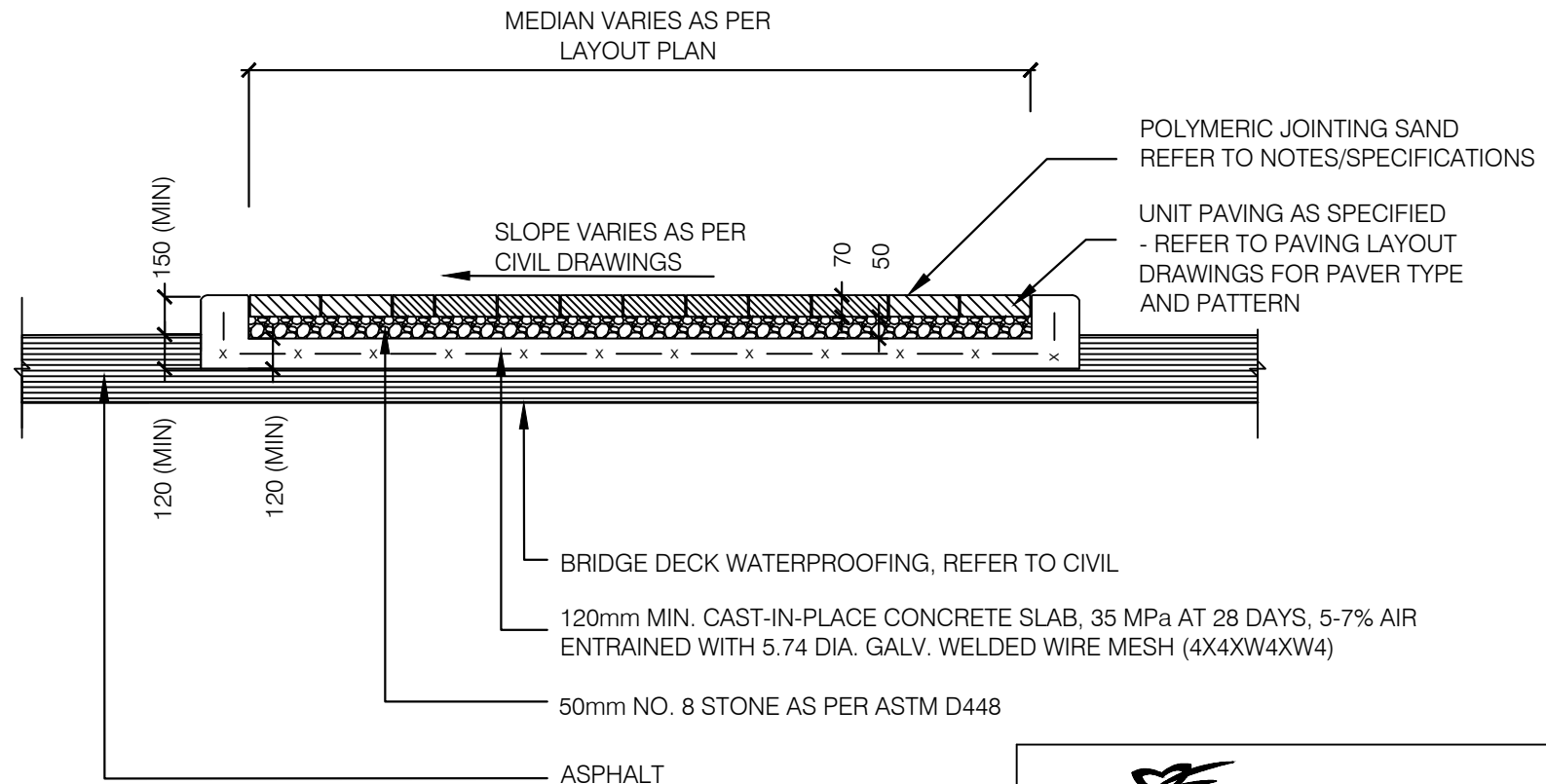
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 32 MPa AT 28 DAYS, 5-7% AIR ENTRAINED.
3. POLYMERIC JOINTING SAND TO BE APPLIED FLUSH WITH TOP OF PAVERS
4. POLYMERIC SAND TO BE WATERED AS PER THE MANUFACTURES INSTRUCTIONS
5. CONTROL JOINTS ON CURBS TO BE COVERED WITH A 100mmx200mm FILTER CLOTH ON THE INSIDE OF CURB TO PREVENT MIGRATION OF JOINTING SAND
6. EXPANSION JOINTS TO BE 12mm BITUMINOUS FIBRE BOARD



**Public Works
Transportation**

**UNIT PAVER MEDIAN ON CONCRETE
BASE**

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-102A



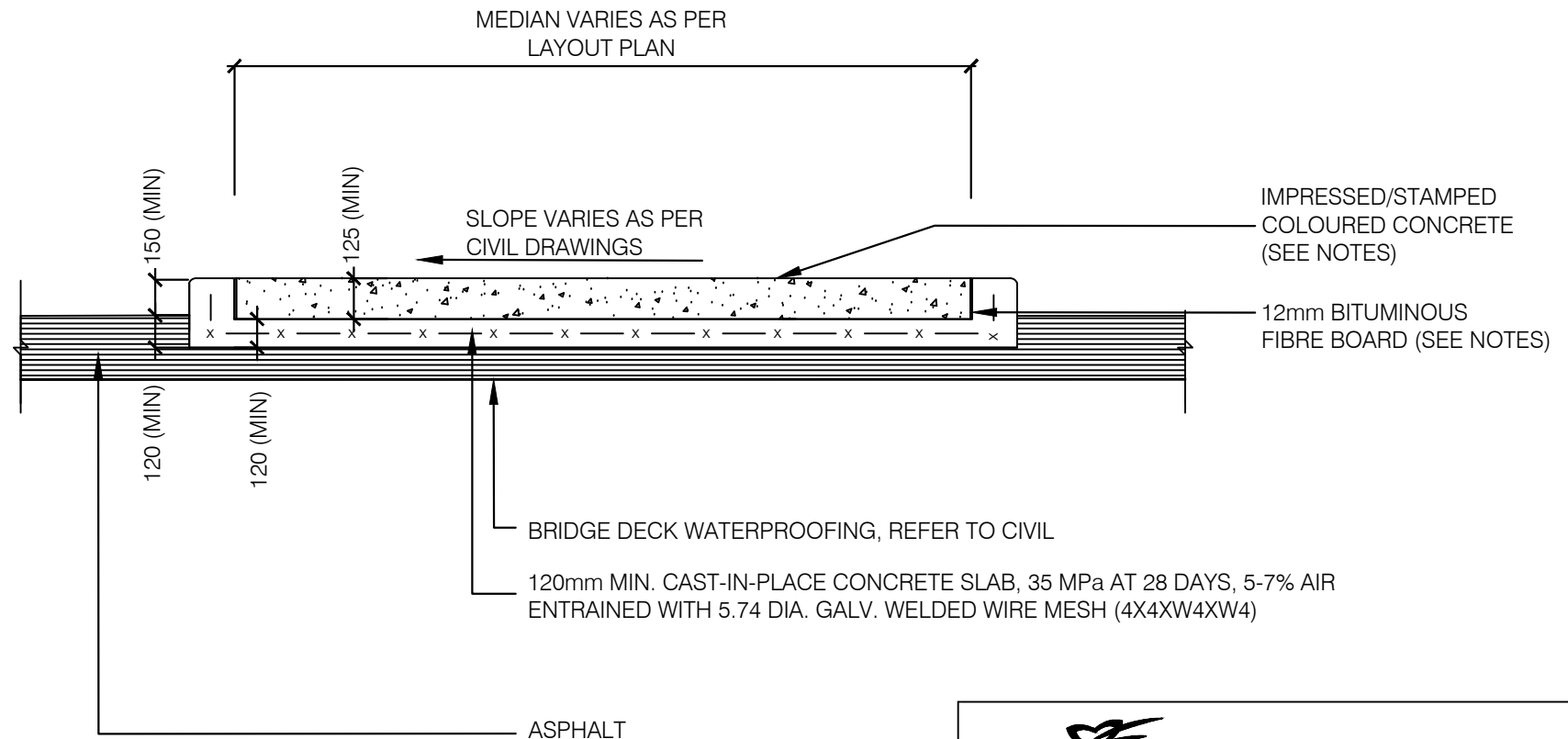
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 35 MPa AT 28 DAYS, 5-7% AIR ENTRAINED.
3. POLYMERIC JOINTING SAND TO BE APPLIED FLUSH WITH TOP OF PAVERS
4. POLYMERIC SAND TO BE WATERED AS PER THE MANUFACTURES INSTRUCTIONS
5. CONTROL JOINTS ON CURBS TO BE COVERED WITH A 100mmx200mm FILTER CLOTH ON THE INSIDE OF CURB TO PREVENT MIGRATION OF JOINTING SAND



**UNIT PAVER MEDIAN ON CONCRETE
BASE OVER BRIDGE DECK**

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-102B



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 35MPa AT 28 DAYS AND BE 5-7% AIR ENTRAINED.
3. CONTROL JOINTS TO BE LOCATED AT MAXIMUM INTERVALS OF 1.5m OC. JOINTS TO BE SAW CUT TO A DEPTH OF 30mm.
4. EXPANSION JOINTS TO BE 12mm BITUMINOUS FIBRE BOARD SET AT 12mm BELOW GRADE AND FINISHED WITH CONCRETE COLOUR MATCHED POLYSULPHITE SEALANT FLUSH WITH FINISHED GRADE. LOCATE EXPANSION JOINTS EVERY THIRD JOINT AND WHERE CONCRETE MEETS OTHER HARD SURFACES AND STRUCTURES.



**Public Works
Transportation**

**IMPRESSED/STAMPED COLOURED
CONCRETE MEDIAN OVER
BRIDGE DECK**

DATE: JANUARY 2023

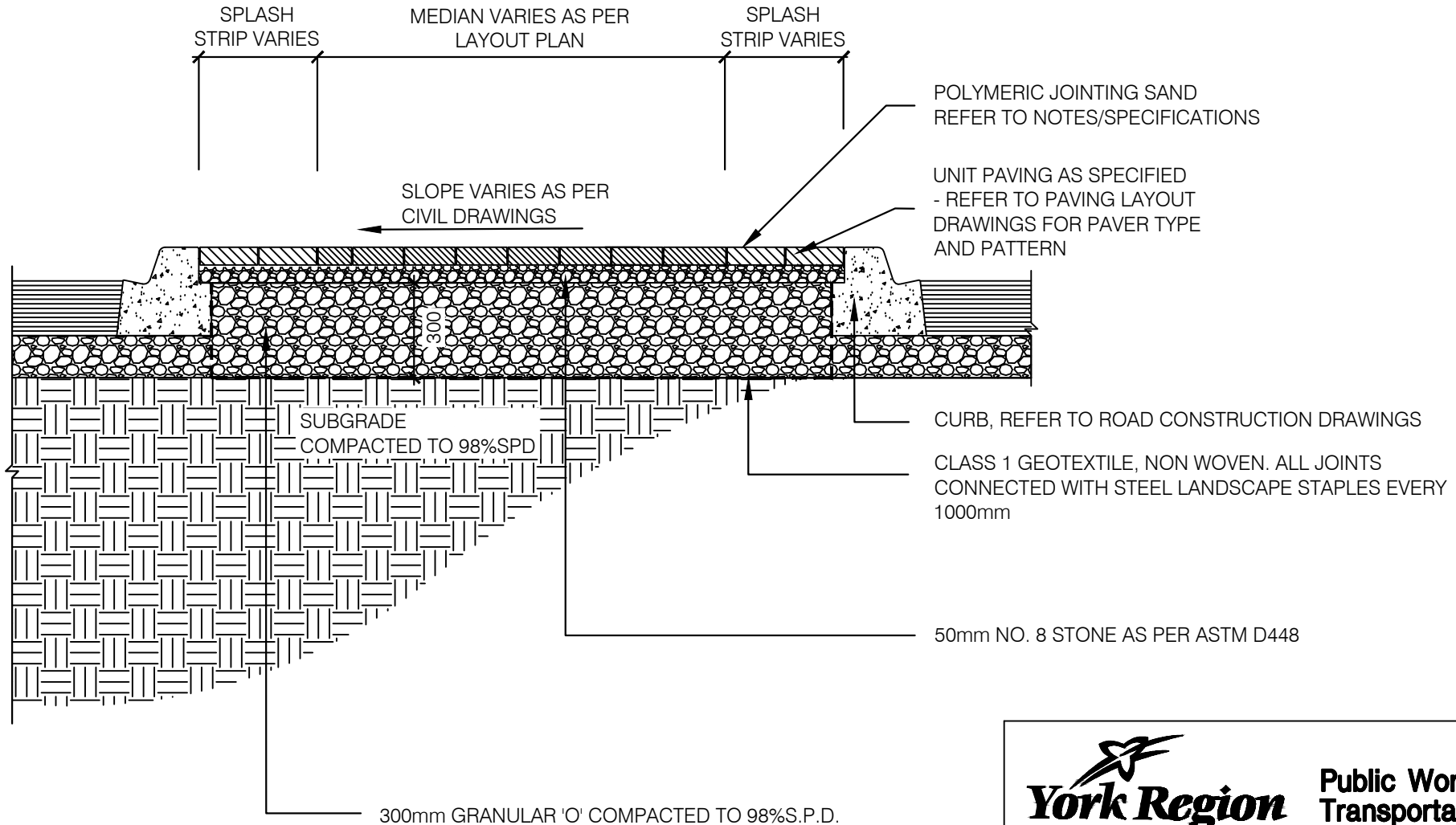
SCALE N.T.S.

REV.

X

X

SS-102C



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. POLYMERIC JOINTING SAND TO BE APPLIED FLUSH WITH TOP OF PAVERS
3. POLYMERIC SAND TO BE WATERED AS PER THE MANUFACTURES INSTRUCTIONS
4. CONTROL JOINTS ON CURBS TO BE COVERED WITH A 100mmx200mm FILTER CLOTH ON THE INSIDE OF CURB TO PREVENT MIGRATION OF JOINTING SAND



**Public Works
Transportation**

**UNIT PAVER MEDIAN ON GRANULAR
BASE**

DATE: JANUARY 2023

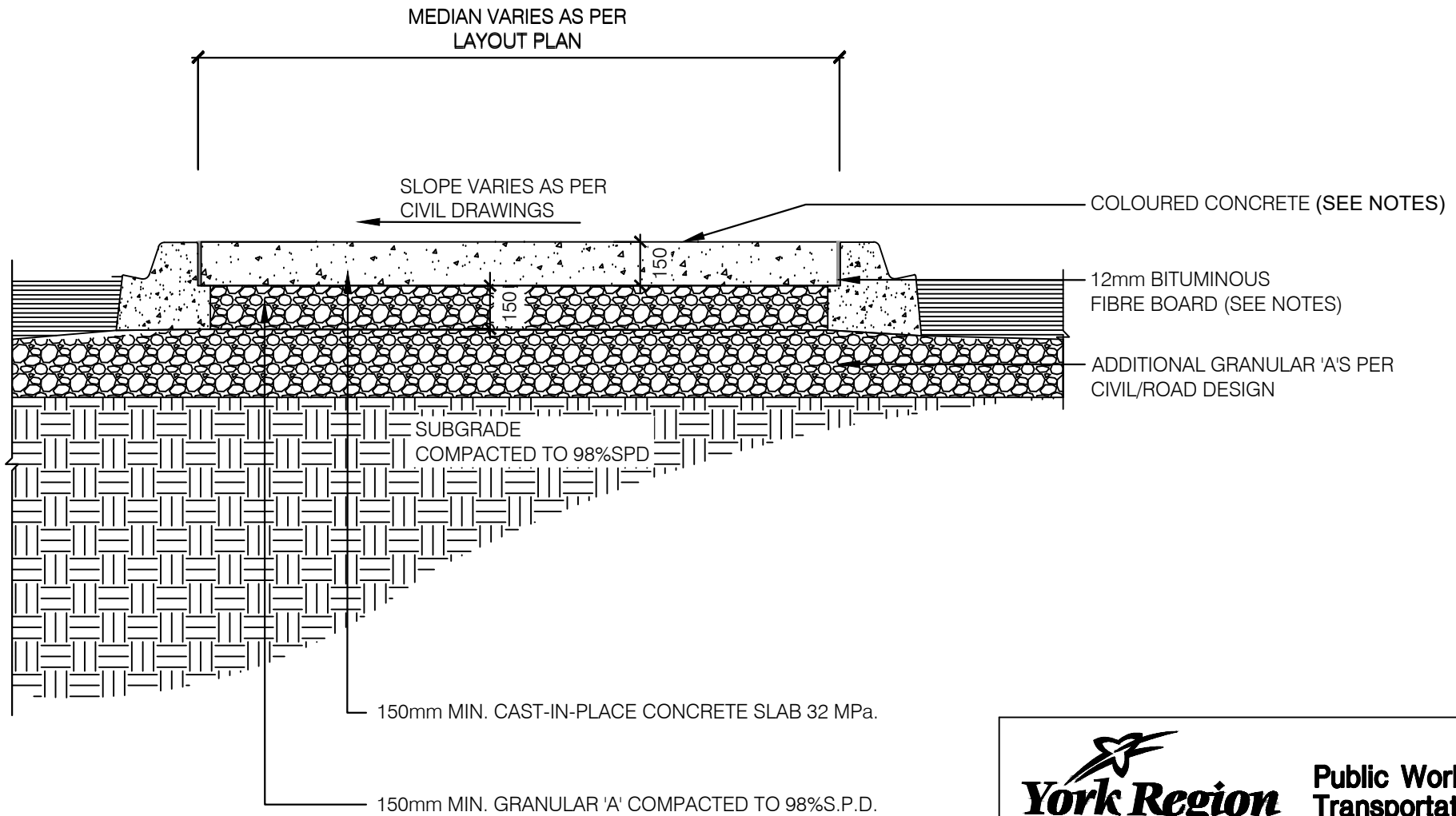
SCALE N.T.S.

REV.

X

X

SS-103



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 32MPa AT 28 DAYS AND BE 5-7% AIR ENTRAINED.
3. CONTROL JOINTS TO BE LOCATED AT MAXIMUM INTERVALS OF 1.5m OC. JOINTS TO BE SAW CUT TO A DEPTH OF 30mm.
4. EXPANSION JOINTS TO BE 12mm BITUMINOUS FIBRE BOARD SET AT 12mm BELOW GRADE AND FINISHED WITH CONCRETE COLOUR MATCHED POLYSULPHITE SEALANT FLUSH WITH FINISHED GRADE. LOCATE EXPANSION JOINTS EVERY THIRD JOINT AND WHERE CONCRETE MEETS OTHER HARD SURFACES AND STRUCTURES.



**Public Works
Transportation**

**IMPRESSED/STAMPED COLOURED
CONCRETE MEDIAN**

DATE: JANUARY 2023

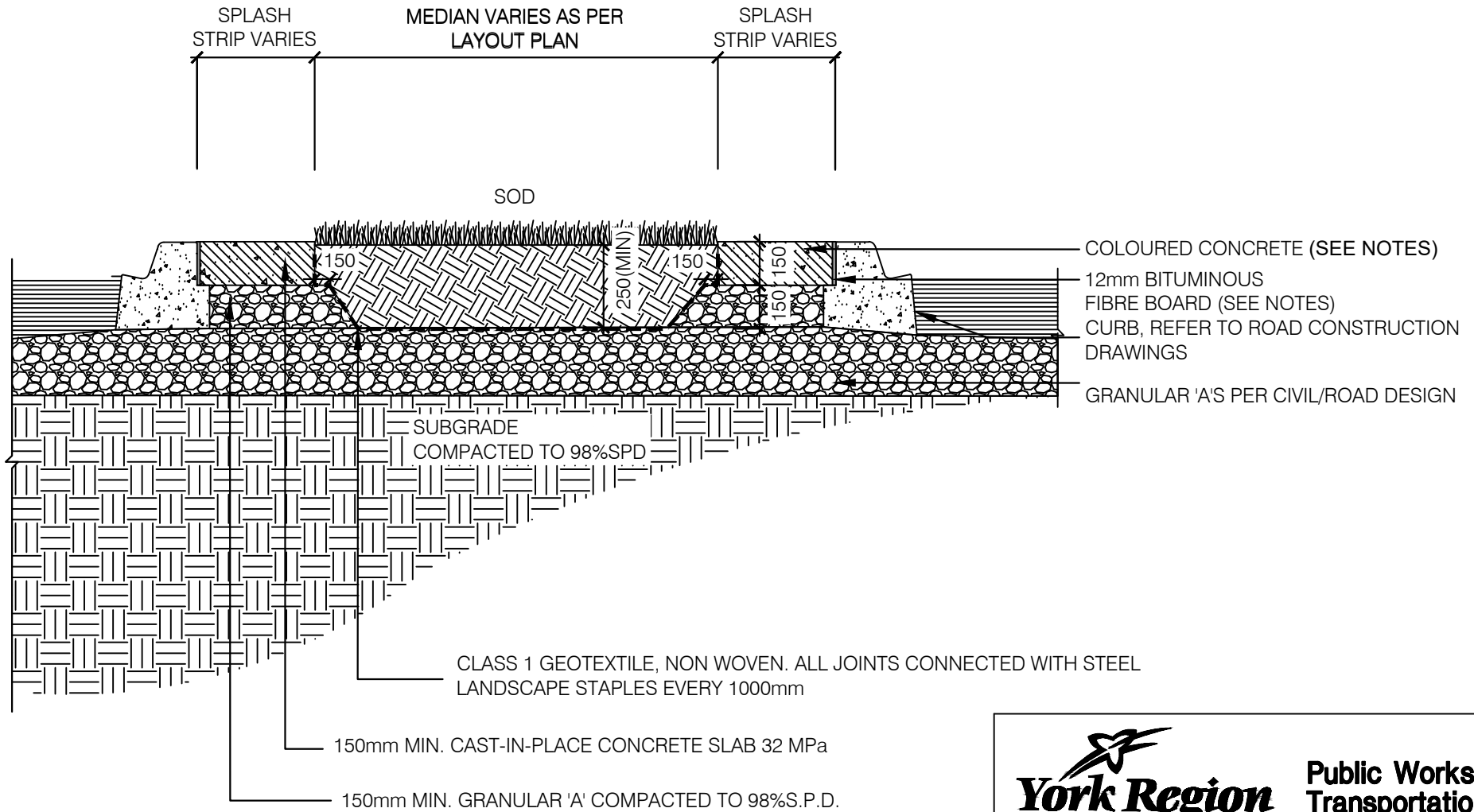
SCALE N.T.S.

REV.

X

X

SS-104A



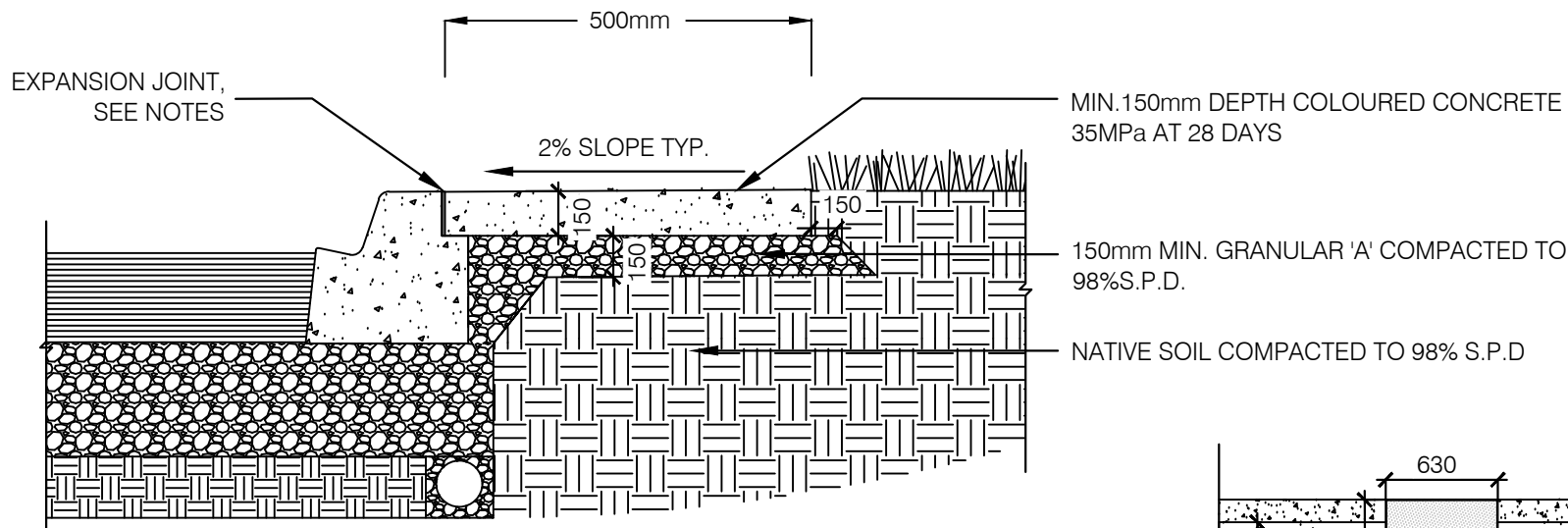
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 32MPa AT 28 DAYS AND BE 5-7% AIR ENTRAINED.
3. CONTROL JOINTS TO BE LOCATED AT MAXIMUM INTERVALS OF 1.5m OC. JOINTS TO BE SAW CUT TO A DEPTH OF 30mm.
2. EXPANSION JOINTS TO BE 12mm BITUMINOUS FIBRE BOARD SET AT 12mm BELOW GRADE AND FINISHED WITH CONCRETE COLOUR MATCHED POLYSULPHITE SEALANT FLUSH WITH FINISHED GRADE. LOCATE EXPANSION JOINTS EVERY THIRD JOINT AND WHERE CONCRETE MEETS OTHER HARD SURFACES AND STRUCTURES.

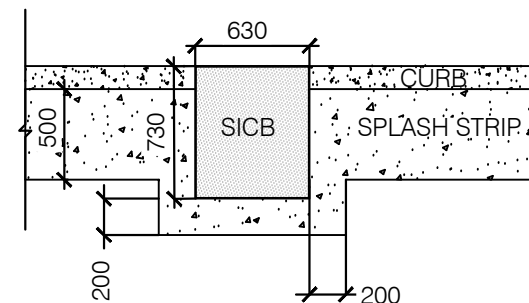


SODDED MEDIAN WITH COLOURED CONCRETE SPLASH STRIPS

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-104B



SPLASH STRIP SECTION



PAVING AT SIDE INLET CATCH BASINS

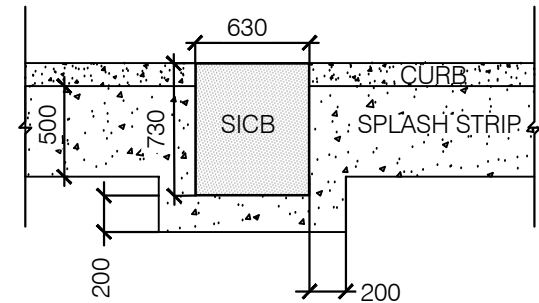
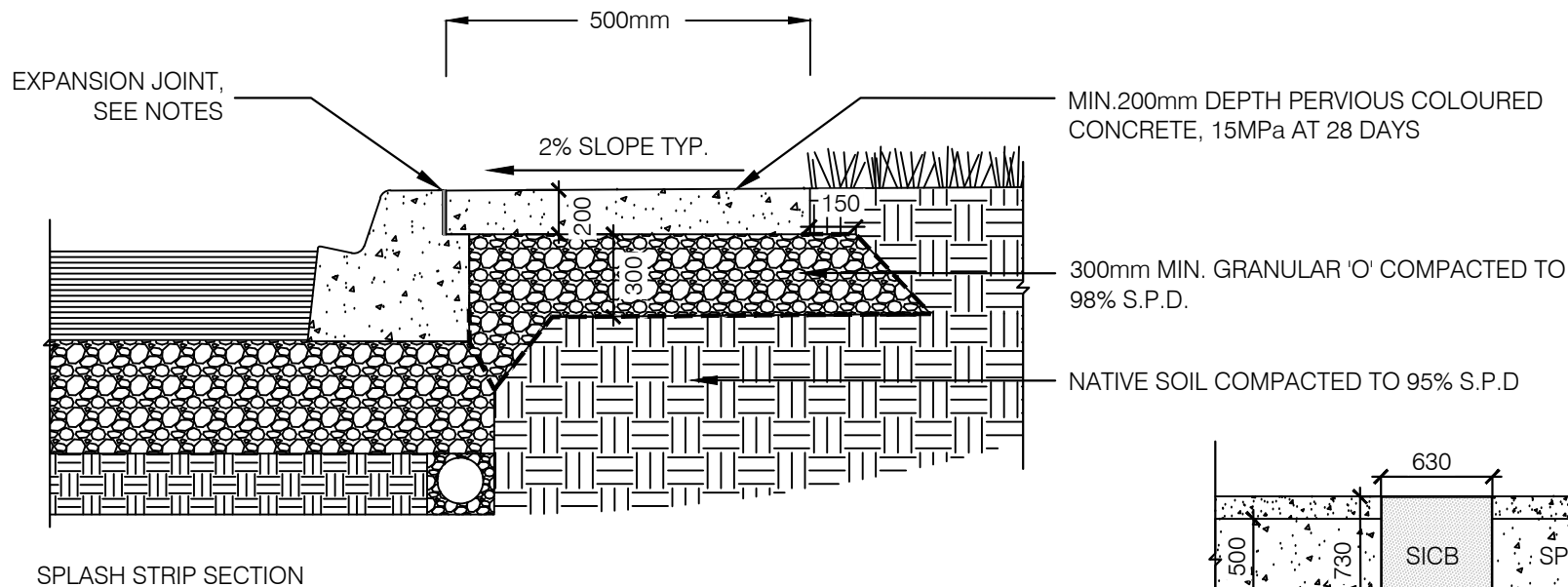
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 35MPa AT 28 DAYS AND BE 5-7% AIR ENTRAINED.
3. CONTROL JOINTS TO BE LOCATED AT MAXIMUM INTERVALS OF 1.5m OC. CONTROL JOINTS TO BE SAW CUT TO A DEPTH OF 30mm.
4. EXPANSION JOINTS TO BE 12mm BITUMINOUS FIBRE BOARD SET AT 12mm BELOW GRADE AND FINISHED WITH CONCRETE COLOUR MATCHED POLYSULPHITE SEALANT FLUSH WITH FINISHED GRADE. LOCATE EXPANSION JOINTS EVERY THIRD JOINT AND WHERE CONCRETE MEETS OTHER HARD SURFACES AND STRUCTURES.
5. COLOURED CONCRETE TO HAVE BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.
6. CONTROL AND EXPANSION JOINTS TO BE BROOM FINISHED AFTER TOOLED.



COLOURED CONCRETE SPLASH STRIP FOR CONCRETE BARRIER CURB WITH STANDARD GUTTER BOULEVARDS

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-105A



PAVING AT SIDE INLET CATCH BASINS

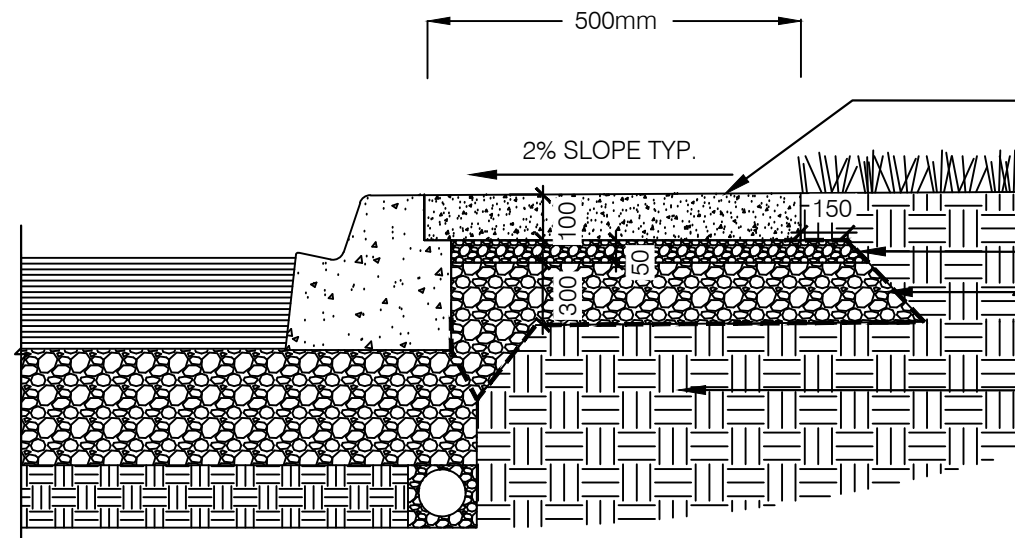
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CONCRETE TO BE 15MPa AT 28 DAYS AS PER CSA A23.2-9C.
3. CONTROL JOINTS TO BE LOCATED AT MAXIMUM INTERVALS OF 1.5m OC. CONTROL JOINTS TO BE SAW CUT TO A DEPTH OF 30mm.
4. EXPANSION JOINTS TO BE 12mm BITUMINOUS FIBRE BOARD SET AT 12mm BELOW GRADE AND FINISHED WITH CONCRETE COLOUR MATCHED POLYSULPHITE SEALANT FLUSH WITH FINISHED GRADE. LOCATE EXPANSION JOINTS EVERY THIRD JOINT AND WHERE CONCRETE MEETS OTHER HARD SURFACES AND STRUCTURES.



**PERVIOUS COLOURED CONCRETE
SPLASH STRIP FOR CONCRETE
BARRIER CURB WITH STANDARD
GUTTER BOULEVARDS**

DATE: JANUARY 2023		SCALE N.T.S.	
REV.	X	X	SS-105B



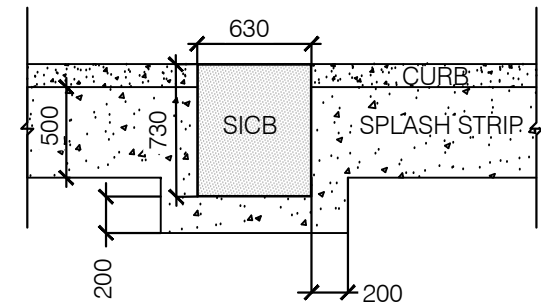
SPLASH STRIP SECTION

MIN. 100mm DEPTH SURFACE COURSE
POROUS ASPHALT

50mm NO. 8 STONE AS PER ASTM D448 FILTER COURSE

300mm MIN. GRANULAR 'O' COMPACTED TO
98% S.P.D. RESERVOIR COURSE

NATIVE SOIL COMPACTED TO 95% S.P.D



PAVING AT SIDE INLET CATCH BASINS

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED



York Region

**Public Works
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**POROUS COLOURED ASPHALT
SPLASH STRIP FOR CONCRETE
BARRIER CURB WITH STANDARD
GUTTER BOULEVARDS**

DATE: JANUARY 2023

SCALE N.T.S.

REV.

X

X

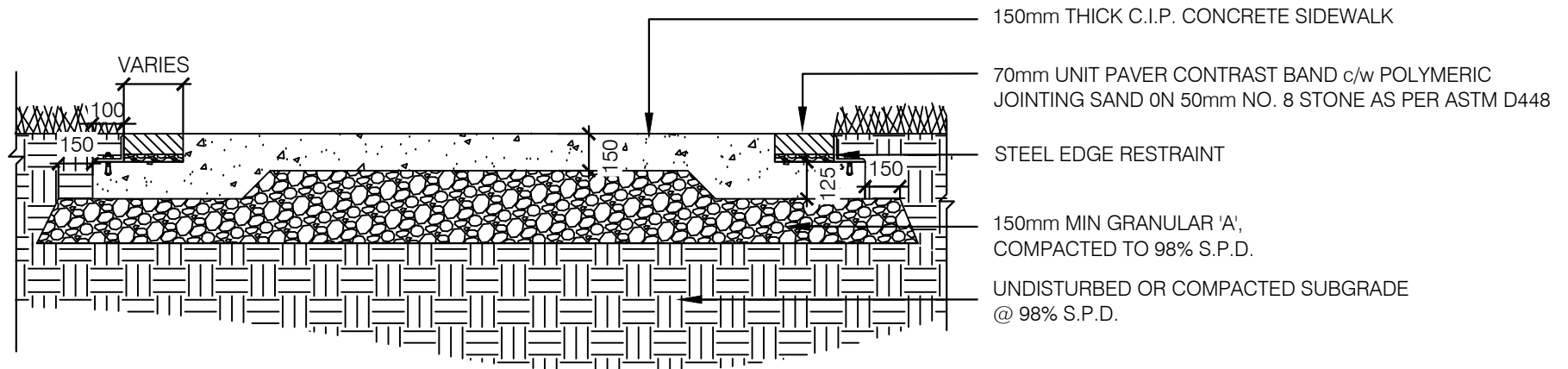
SS-105C

REFER TO
CONSTRUCTION
DRAWINGS

REFER TO
CONSTRUCTION
DRAWINGS

VARIES

1500 (MIN)



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE TO BE 32MPa AT 28 DAYS AND BE 5-7% AIR ENTRAINED.
3. CONTROL JOINTS TO BE LOCATED AT MAXIMUM INTERVALS OF 1.5m OC. CONTROL JOINTS TO BE SAW CUT TO A DEPTH OF 30mm.
4. EXPANSION JOINTS TO BE 12mm BITUMINOUS FIBRE BOARD SET AT 12mm BELOW GRADE AND FINISHED WITH CONCRETE COLOUR MATCHED POLYSULPHITE SEALANT FLUSH WITH FINISHED GRADE. LOCATE EXPANSION JOINTS EVERY THIRD JOINT AND WHERE CONCRETE MEETS OTHER HARD SURFACES AND STRUCTURES.



**Public Works
Transportation**

CONCRETE SIDEWALK WITH INLAID UNIT PAVER SOLIDER COURSE

DATE: JANUARY 2023

SCALE N.T.S.

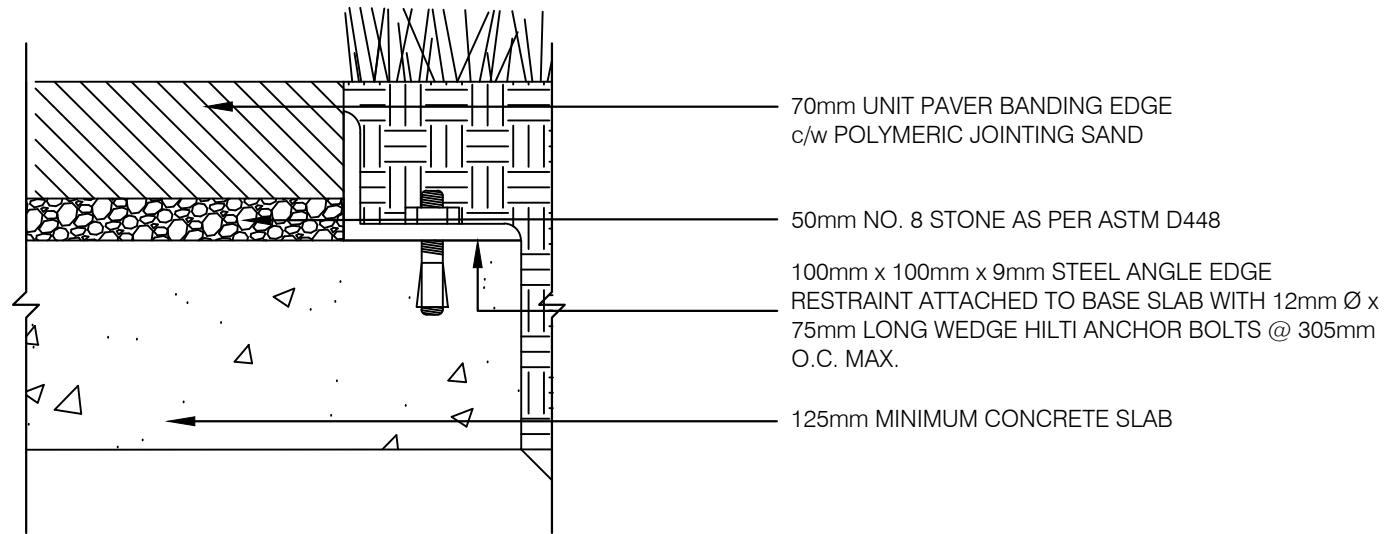
REV.

X

X

SS-106

SS-107



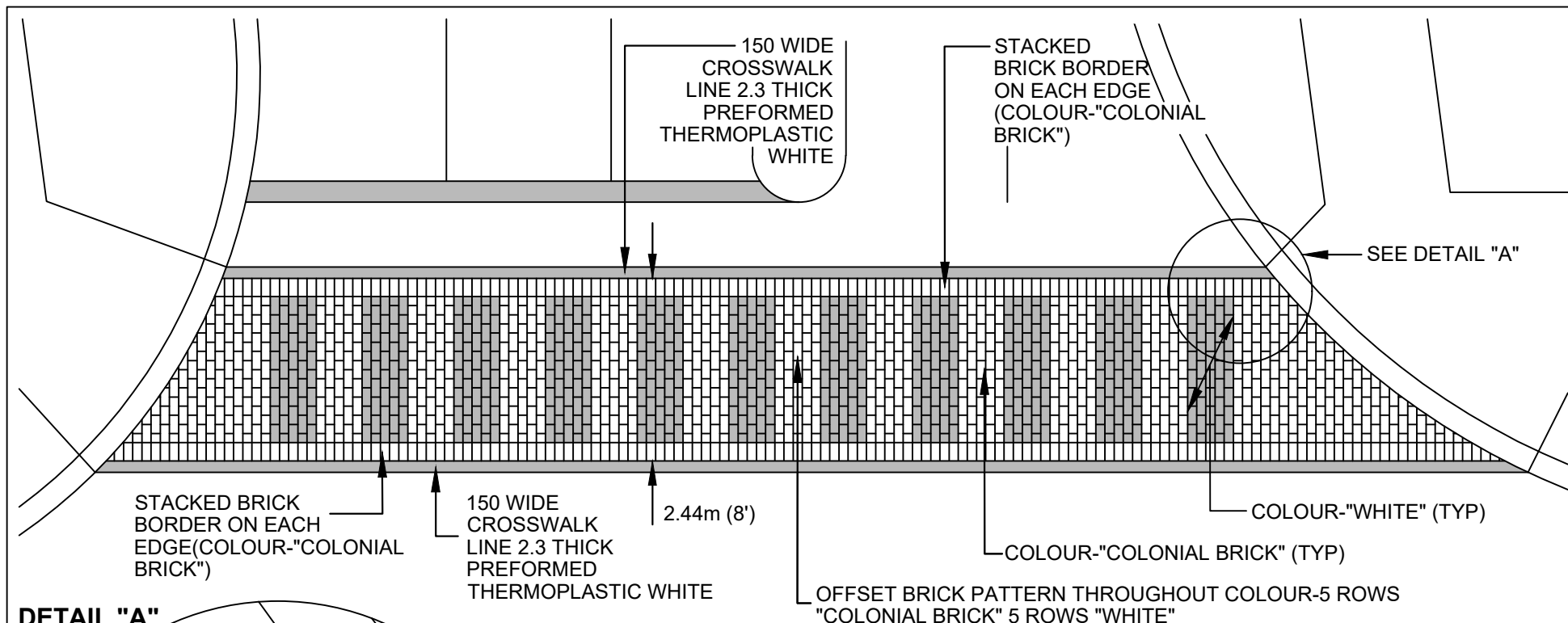
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. TOP OF EDGE RESTRAINT TO BE 20mm BELOW SURFACE OF UNIT PAVERS.

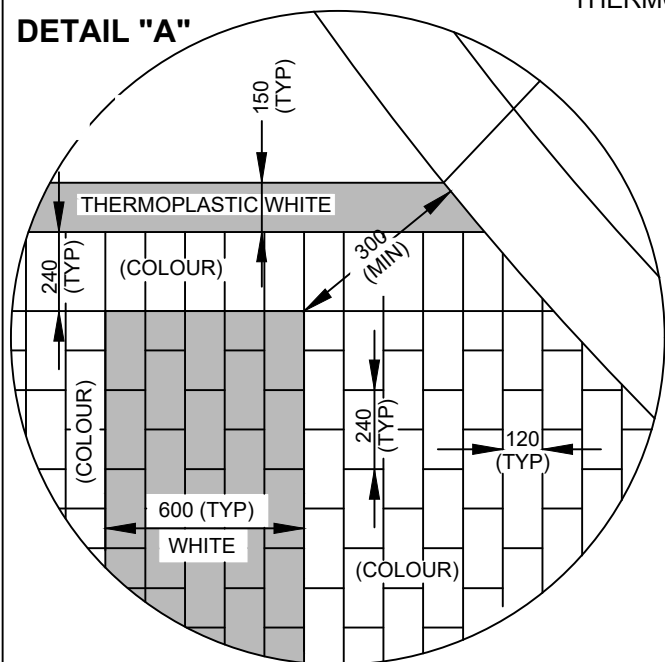


**STEEL EDGE RESTRAINT FOR UNIT
PAVERS**

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-108



DETAIL "A"



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. SEE STANDARD DRAWING DS-400 FOR PAVEMENT MARKING LEGEND.
3. THIS STANDARD IS TO BE USED AS A GUIDE ONLY AND WILL REQUIRE ADJUSTMENTS TO SUIT FIELD CONDITIONS.
4. NO WHITE BAR SHALL BE PLACED WITHIN 300mm OF THE RADIUS.
5. IN PLACE OF "COLONIAL RED", AN ALTERNATE COLOUR MAY BE SUBSTITUTED TO BETTER COORDINATE WITH THE PROPOSED ADJOINING STREETSCAPING WORK.
6. SEE STD. DWG. DS-408 FOR TYPICAL CROSSWALK LAYOUT AT SIGNALIZED INTERSECTIONS.



**Public Works
Transportation**

**TYPICAL ZEBRA PAVEMENT MARKING
DETAIL AT SIGNALIZED INTERSECTIONS
USING "TRAFFICPATTERNSXD"**

DATE: JANUARY 2023

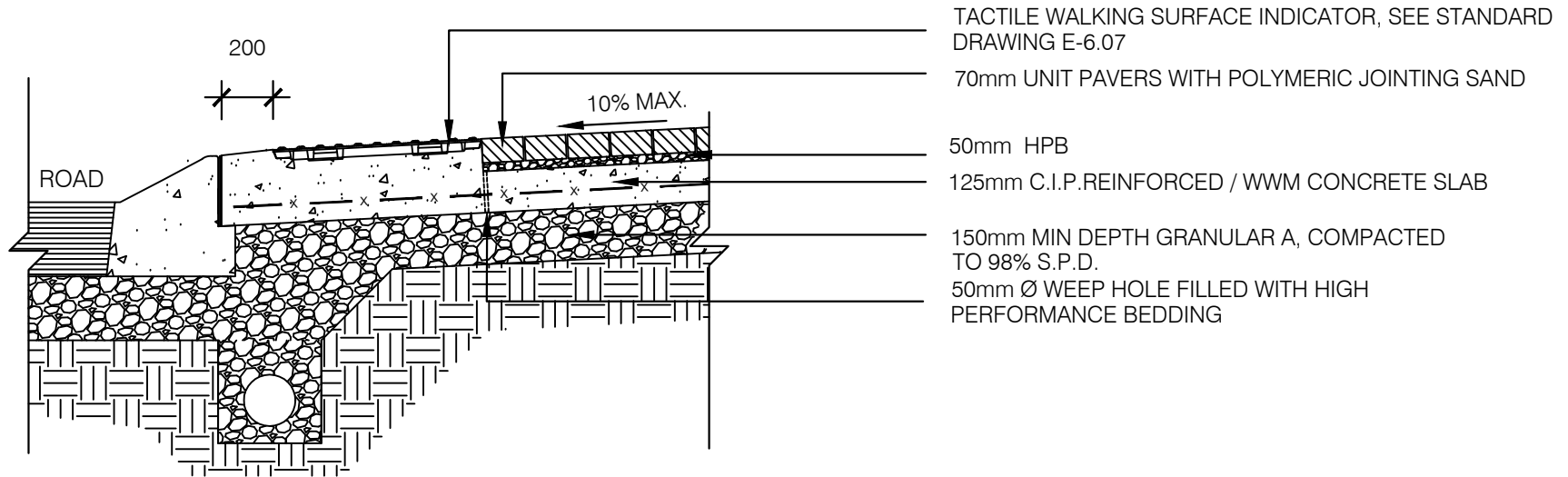
SCALE N.T.S.

REV.

X


X

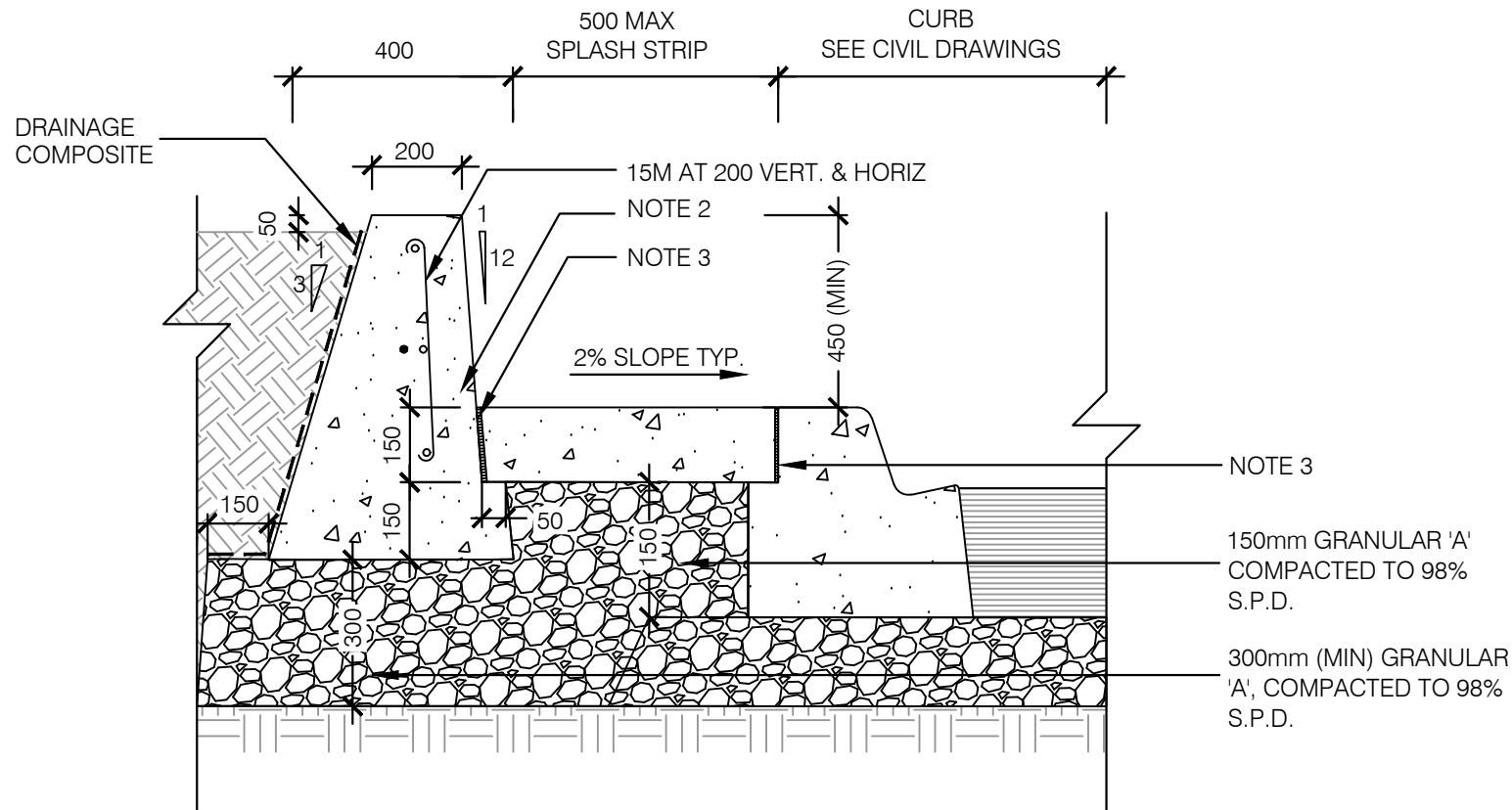
SS-109



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE TRAFFIC AND ELECTRICAL CONTRACT DRAWINGS AND DETAILS.
3. POLYMERIC JOINTING SAND TO BE APPLIED FLUSH WITH TOP OF PAVERS
4. POLYMERIC SAND TO BE WATERED AS PER THE MANUFACTURES INSTRUCTIONS
5. UNIT PAVERS NOT SUITABLE FOR POLYMERIC JOINTING SAND SHALL HAVE REGULAR CLEAN JOINTING SAND WITH A SEALER APPLIED, UNLESS OTHERWISE DIRECTED BY THE CONTRACT ADMINISTRATOR
6. CONTROL JOINTS ON CURBS TO BE COVERED WITH A 100mmx200mm FILTER CLOTH ON THE INSIDE OF CURB TO PREVENT MIGRATION OF JOINTING SAND
7. WELDED WIRE MESH IS TO HAVE A 40-60mm OFFSET FROM ALL SURFACES OF THE CONCRETE. ANY FINISHED CONCRETE WITH EXPOSED STEEL REINFORCEMENT SHALL BE REPLACED.

			Public Works Transportation
UNIT PAVERS AT CURB RAMPS			
DATE:	JANUARY 2023		SCALE N.T.S.
REV.	X	X	SS-110



NOTES:

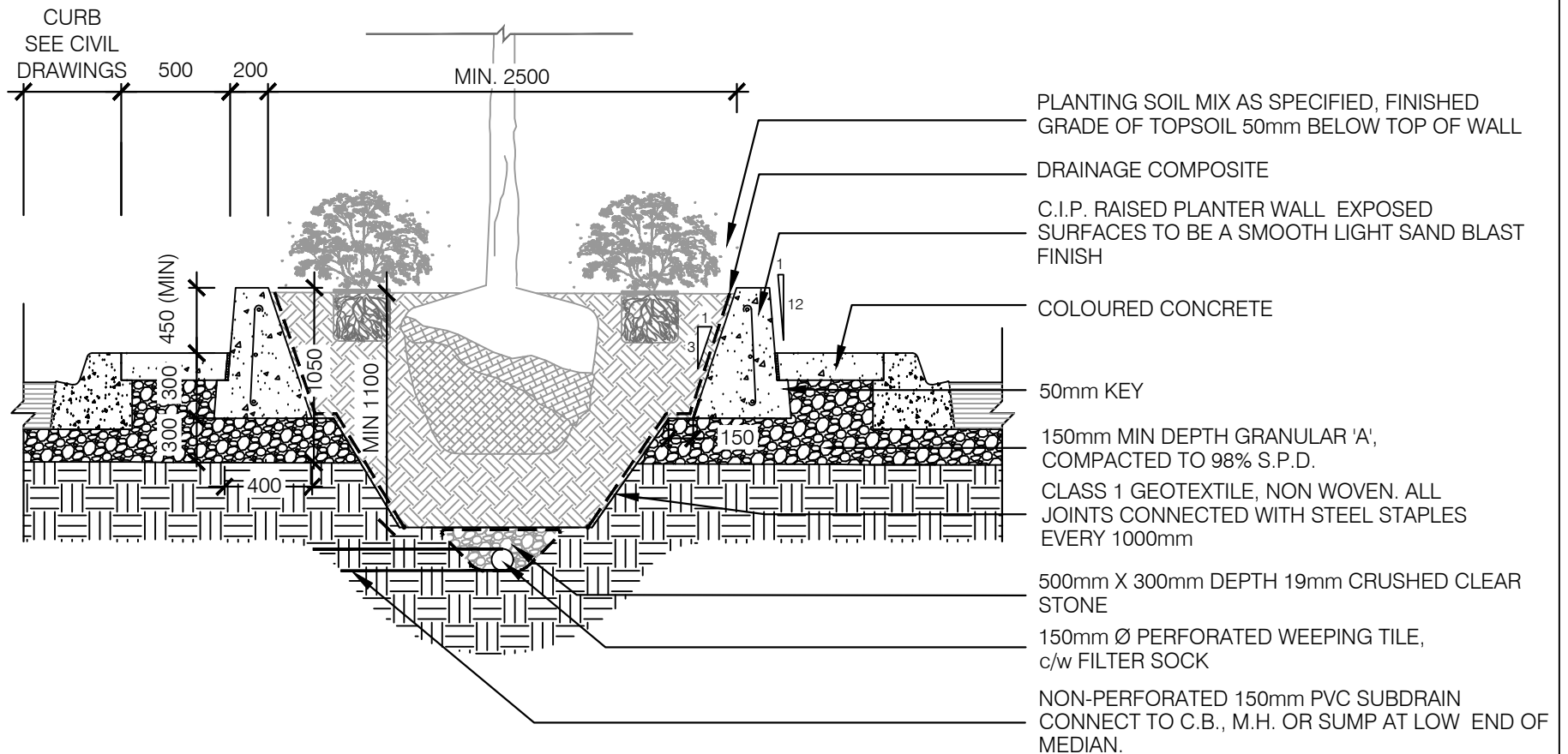
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa 5-7% AIR ENTRAINED AT 28 DAYS , EXPOSURE CLASS C-1
3. 10mm PREFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED WITH POLYSULFIDE SEALANT
4. CONCRETE REINFORCEMENT NOMINAL COVER 70MM +/- 20



**Public Works
Transportation**

**CAST-IN-PLACE
MEDIAN PLANTER I**

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-200A



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa 5-7% AIR ENTRAINED AT 28 DAYS ,
EXPOSURE CLASS C-1
3. 10mm PERFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS
COLOUR MATCHED POLYSULFIDE SEALANT FOR ALL EXPANSION JOINTS.
4. ALL EXPOSED CONCRETE SURFACES TO BE A SMOOTH FINISH.
6. CONNECT SUBDRAIN TO POSITIVE DRAINAGE I.E. STORM, CATCH BASIN MANHOLE EVERY
PLANTER.



**Public Works
Transportation**

**CAST-IN-PLACE MEDIAN
PLANTER LAYOUT I**

DATE: JANUARY 2023

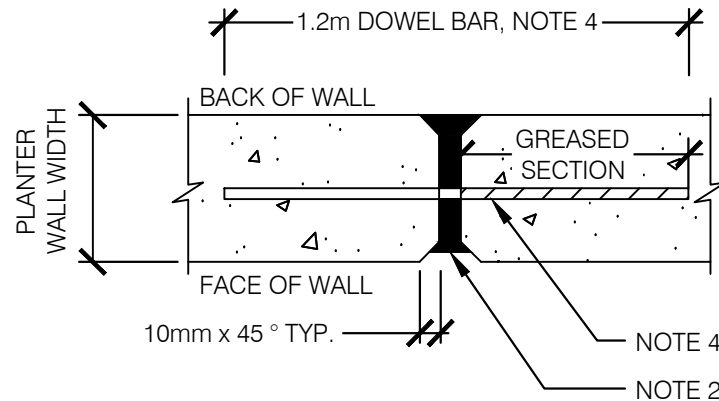
SCALE N.T.S.

REV.

X

X

SS-200B



PLAN OF EXPANSION JOINT DETAIL IN
CONCRETE PLANTER WALL AT 4.5m SPACING

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. 10mm PREFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED WITH POLYSULFIDE SEALANT ON ALL FACE, TOP AND BACK OF WALLS AND JOINTS 20 mm WIDE.
3. 32mm DIA. STEEL DOWEL BAR.
4. EXPANSION AND CONTROL JOINTS SHALL BE ACCORDING TO THE LATEST METRIC, OPSS 350.
5. LENGTH LOCATIONS OF JOINTS MAY VARY AND SHALL BE COORDINATED ONSITE DURING THE MOCK-UP MEETING.



York Region

**Public Works
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**CONCRETE PLANTER WALL
EXPANSION JOINT DETAIL**

DATE: JANUARY 2023

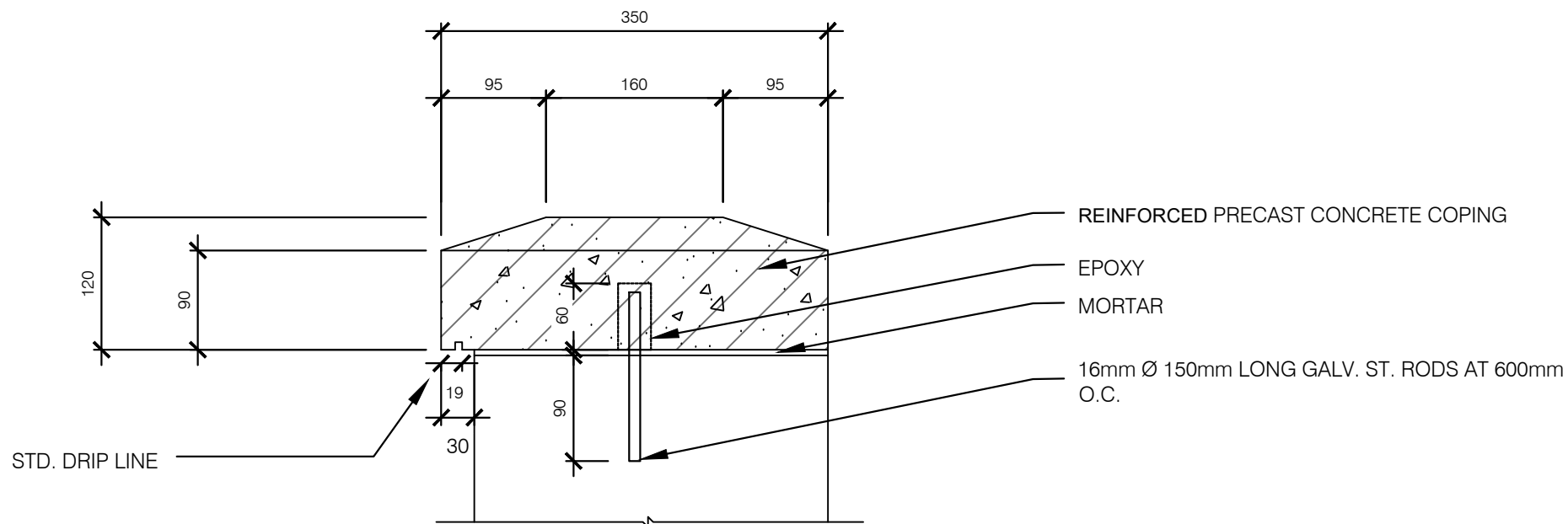
SCALE N.T.S.

REV.

X


X

SS-200C



NOTES:

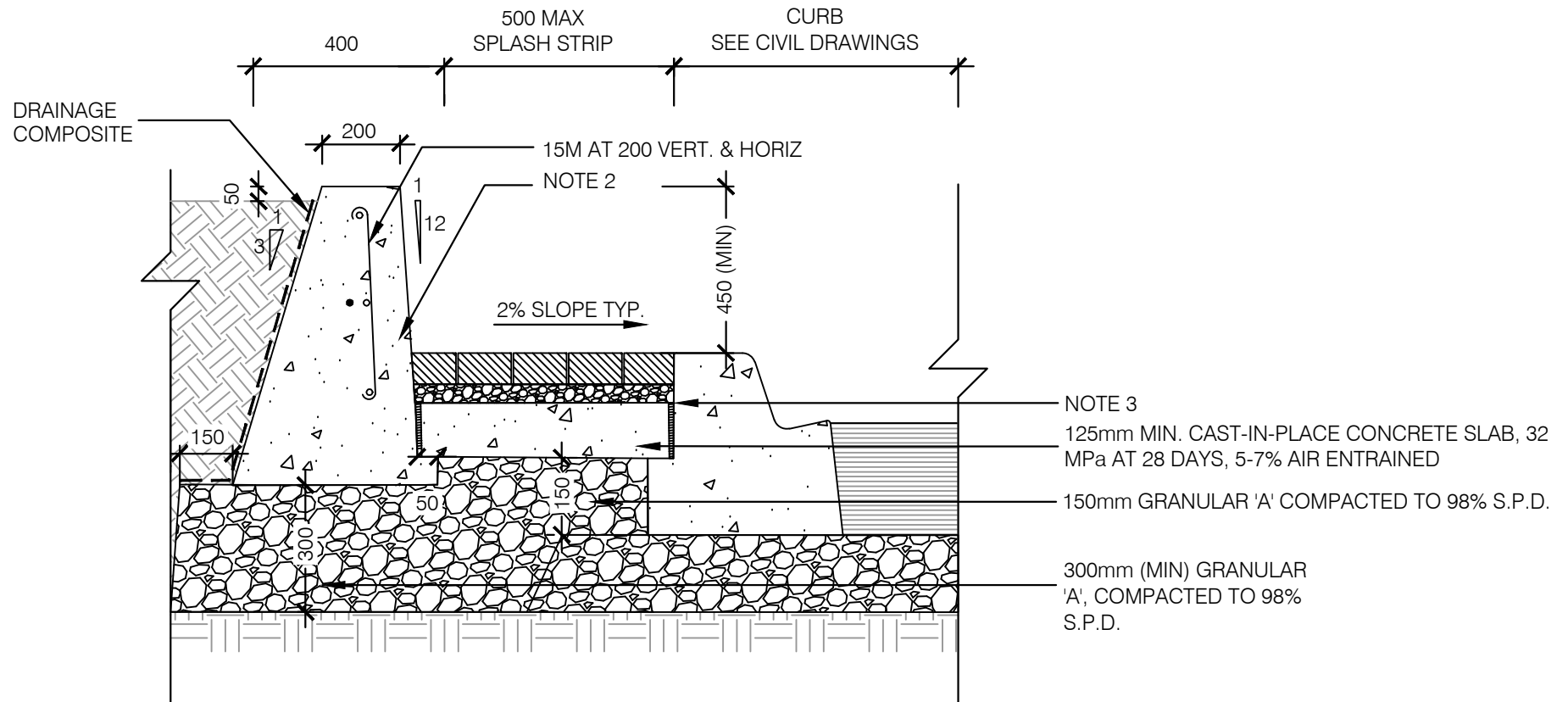
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE SHALL BE 35MPa, EXPOSURE CLASS C-1
2. 10mm PREFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED WITH POLYSULFIDE SEALANT ON ALL FACE, TOP AND BACK OF WALLS AND JOINTS.
3. ALL EXPOSED CONCRETE SURFACES TO HAVE A SMOOTH ACID WASH ARCHITECTURAL FINISH.



Public Works
Transportation

PLANTER WALL COPING UNIT

DATE:	JANUARY 2023		SCALE N.T.S.
REV.	X	X	SS-200D



NOTES:

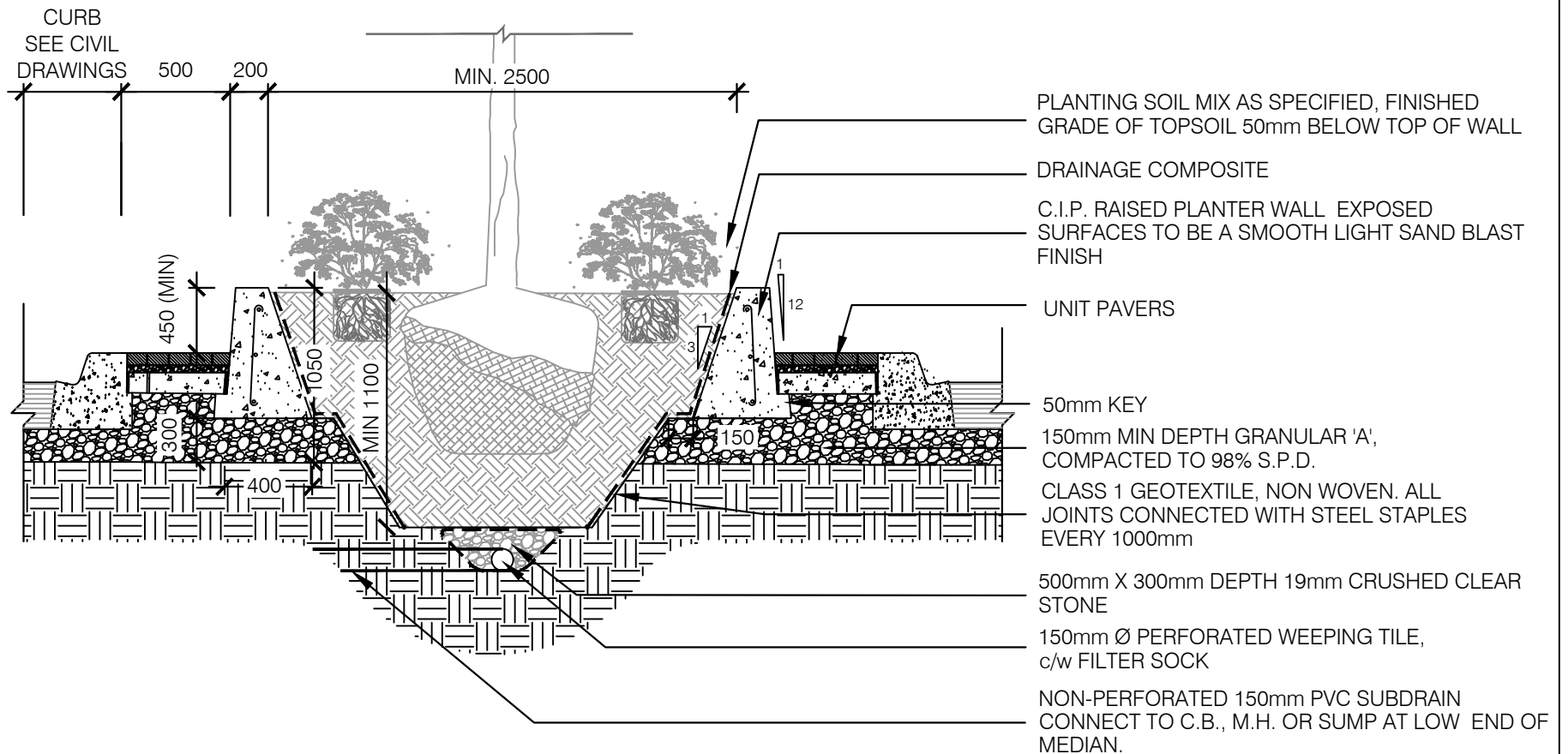
1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa 5-7% AIR ENTRAINED AT 28 DAYS , EXPOSURE CLASS C-1
3. 10mm PREFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED WITH POLYSULFIDE SEALANT
4. CONCRETE REINFORCEMENT NOMINAL COVER 70MM +/- 20



**Public Works
Transportation**

**CAST-IN-PLACE
MEDIAN PLANTER I**

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-200E



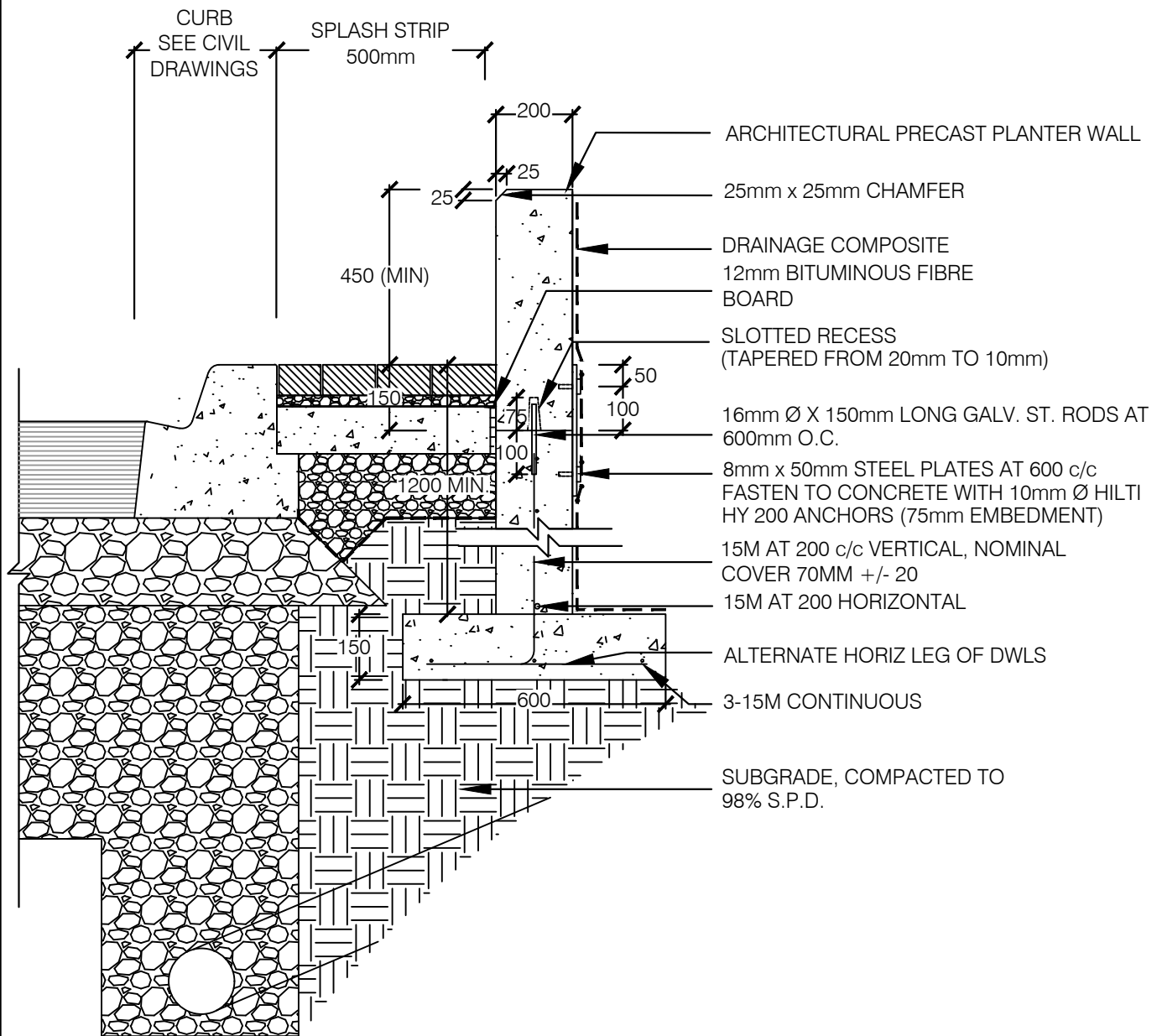
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa 5-7% AIR ENTRAINED AT 28 DAYS ,
EXPOSURE CLASS C-1
3. 10mm PERFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS
COLOUR MATCHED POLYSULFIDE SEALANT FOR ALL EXPANSION JOINTS.
4. ALL EXPOSED CONCRETE SURFACES TO BE A SMOOTH FINISH.
6. CONNECT SUBDRAIN TO POSITIVE DRAINAGE I.E. STORM, CATCH BASIN MANHOLE EVERY
PLANTER.



**CAST-IN-PLACE MEDIAN
PLANTER LAYOUT I**

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-200F



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa AT 28 DAYS, 5-7% AIR ENTRAINED, EXPOSURE CLASS C-1
3. CONCRETE FOR PLANTER WALL FOUNDATION SHALL BE 32MPa AT 28 DAYS AND BE 5-7% AIR ENTRAINED, EXPOSURE CLASS C-2
4. 10mm PERFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED POLYSULFIDE SEALANT
5. ALL EXPOSED CONCRETE SURFACES TO HAVE A SMOOTH ARCHITECTURAL FINISH.



**Public Works
Transportation**

**PRE-CAST ARCHITECTURAL
BOULEVARD PLANTER**

DATE: JANUARY 2023

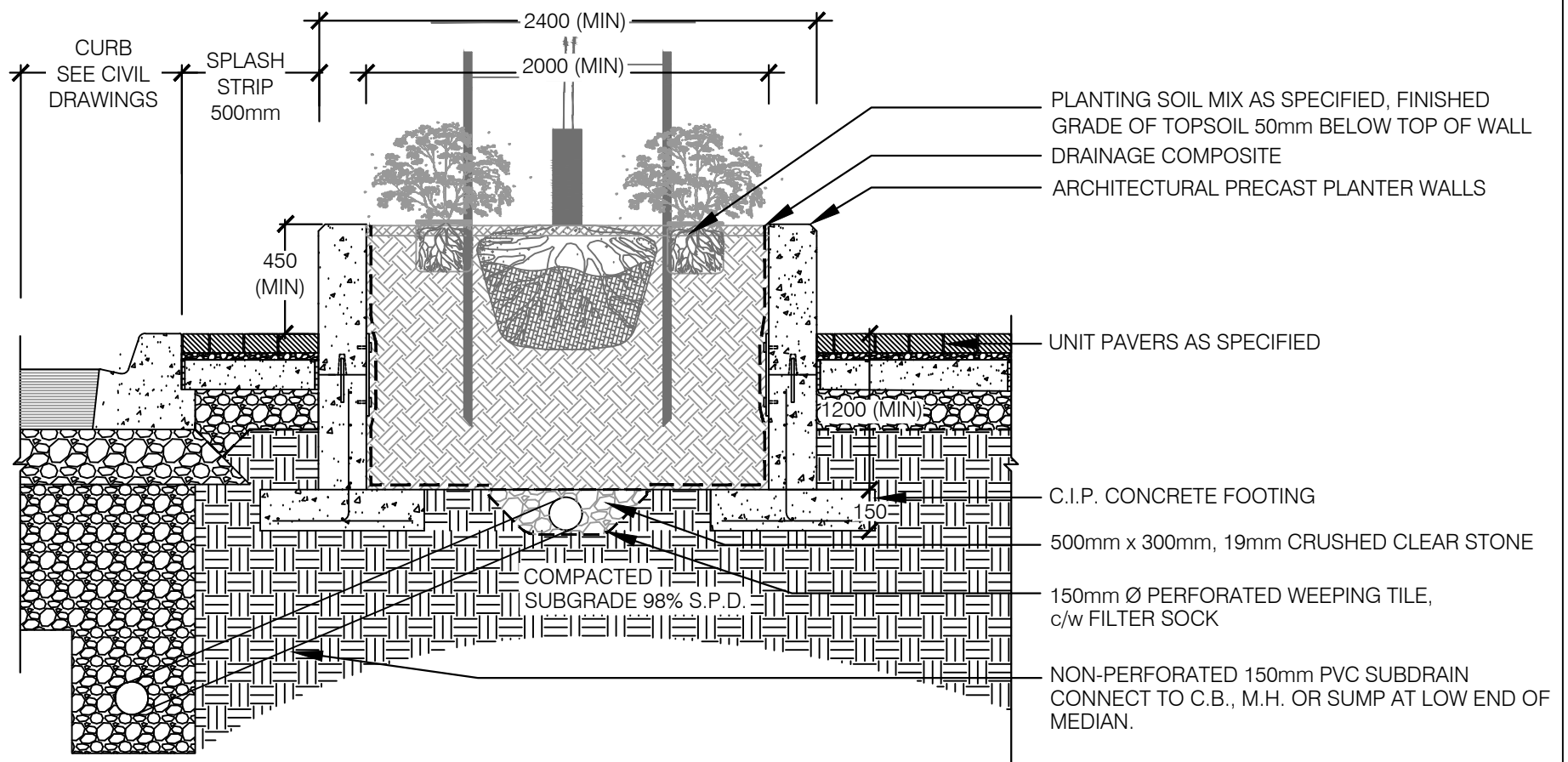
SCALE N.T.S.

REV.

X

X

SS-201A



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa AT 28 DAYS, 5-7% AIR ENTRAINED, EXPOSURE CLASS C-1.
3. CONCRETE FOR PLANTER WALL FOUNDATION SHALL BE 32MPa AT 28 DAYS AND BE 5-7% AIR ENTRAINED, EXPOSURE CLASS C-2.
4. 10mm PERFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED POLYSULFIDE SEALANT.
5. ALL EXPOSED CONCRETE SURFACES TO HAVE A SMOOTH ARCHITECTURAL FINISH.
6. CONNECT SUBDRAIN TO POSITIVE DRAINAGE I.E. STORM, CATCH BASIN MANHOLE EVERY PLANTER.



**Public Works
Transportation**

PRE-CAST ARCHITECTURAL BOULEVARD PLANTER LAYOUT

DATE: JANUARY 2023

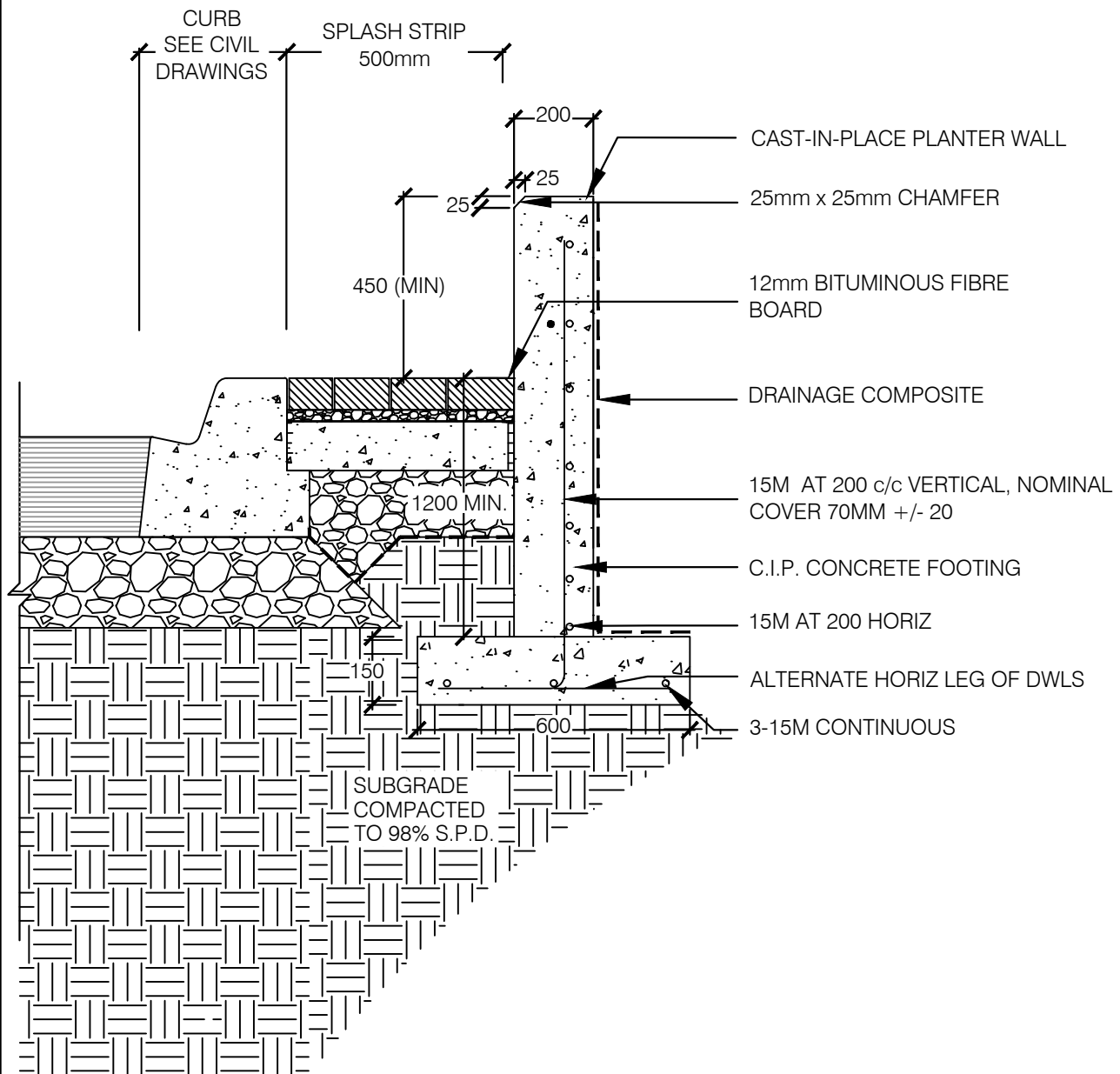
SCALE N.T.S.

REV.

X

X

SS-201B



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa AT 28 DAYS, 5-7% AIR ENTRAINED, EXPOSURE CLASS C-1
3. 10mm PERFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED POLYSULFIDE SEALANT
4. ALL EXPOSED CONCRETE SURFACES TO HAVE A SMOOTH ARCHITECTURAL FINISH.



**Public Works
Transportation**

**CAST-IN-PLACE
MEDIAN PLANTER II**

DATE: JANUARY 2023

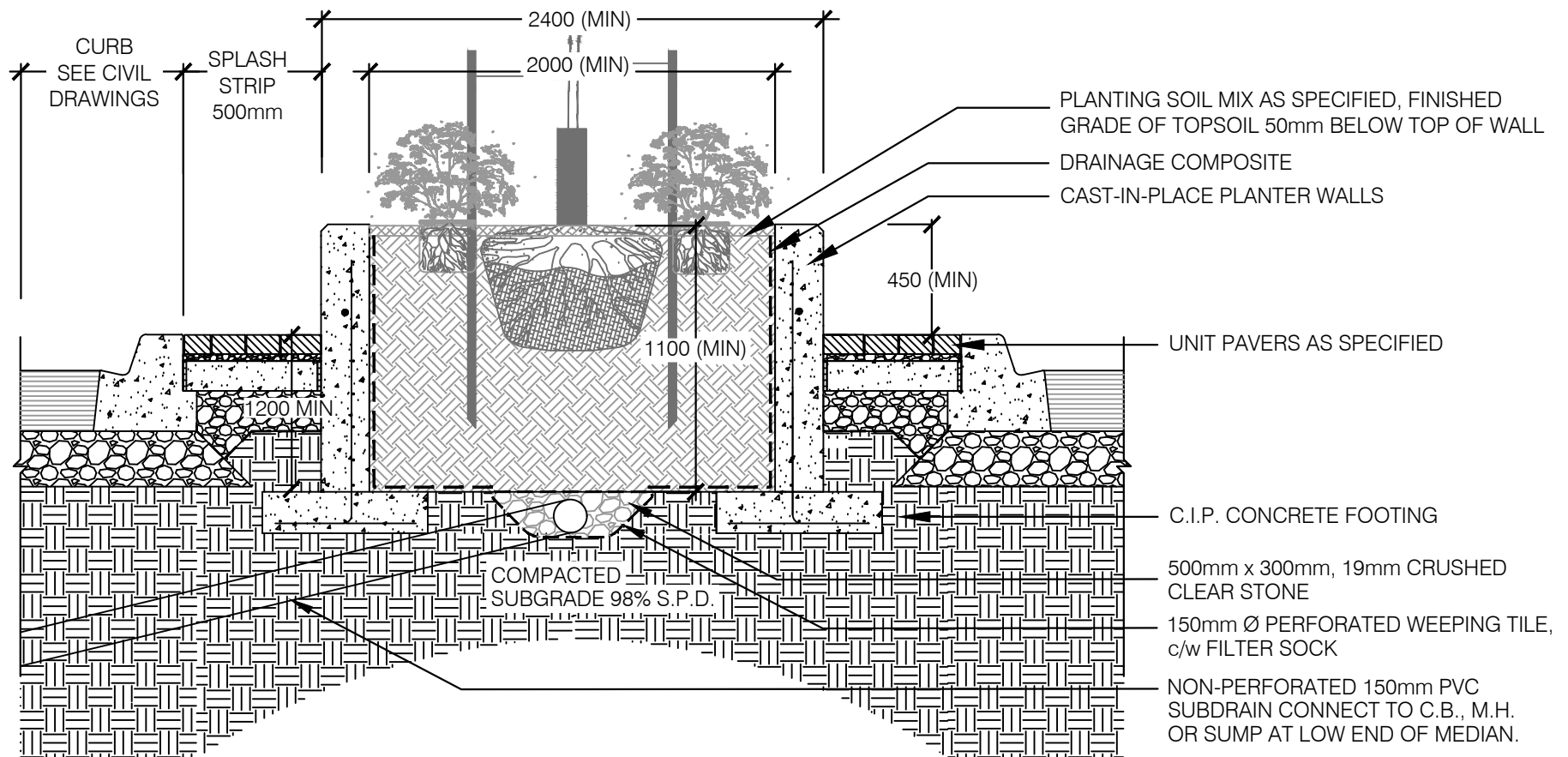
SCALE N.T.S.

REV.

X

X

SS-202A



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. CONCRETE FOR PLANTER WALLS SHALL BE 35MPa AT 28 DAYS, 5-7% AIR ENTRAINED, EXPOSURE CLASS C-1
3. 10mm PERFORMED JOINT FILLER, TYPE A, NON-EXTRUDING AND RESILIENT BITUMINOUS COLOUR MATCHED POLYSULFIDE SEALANT
4. ALL EXPOSED CONCRETE SURFACES TO HAVE A SMOOTH ARCHITECTURAL FINISH.
5. CONNECT SUBDRAIN TO POSITIVE DRAINAGE I.E. STORM, CATCH BASIN MANHOLE EVERY PLANTER.



**Public Works
Transportation**

**CAST-IN-PLACE
MEDIAN PLANTER LAYOUT II**

DATE: JANUARY 2023

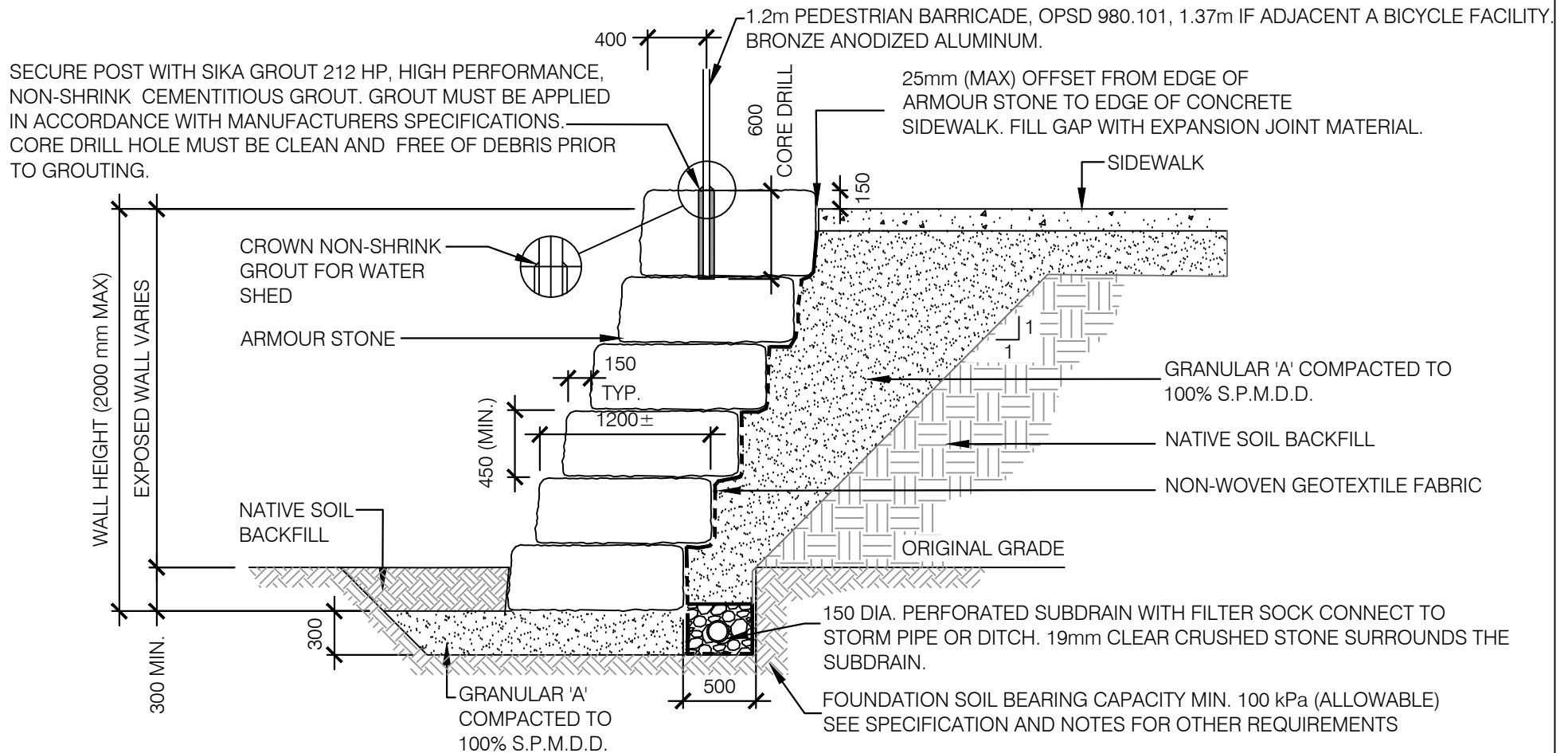
SCALE N.T.S.

REV.

X

X

SS-202B



NOTES:

- STANDARD DRAWING IS ONLY APPLICABLE TO WALLS WITH HEIGHT OF 2.0 METRES OR LESS.
- QUARRIED DIMENSIONAL CUBICAL ARMOUR STONE 1200±X450(MIN.)X1500± WITH SPACING VOIDS NOT GREATER THAN 50MM (TYP.)
- 150MM SUB DRAIN TO "T" OUTLET INTO EXISTING CATCH BASIN OR DITCH IN ACCORDANCE WITH OPSS.MUNI 405.
- STONES TO BE PLACED IN A STAGGERED LAYOUT.
- TOP OF ARMOUR STONE WALL TO BE LEVEL.
- EXPANSION JOINT MATERIAL FOR SIDEWALK PER OPSS.MUNI 351.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.

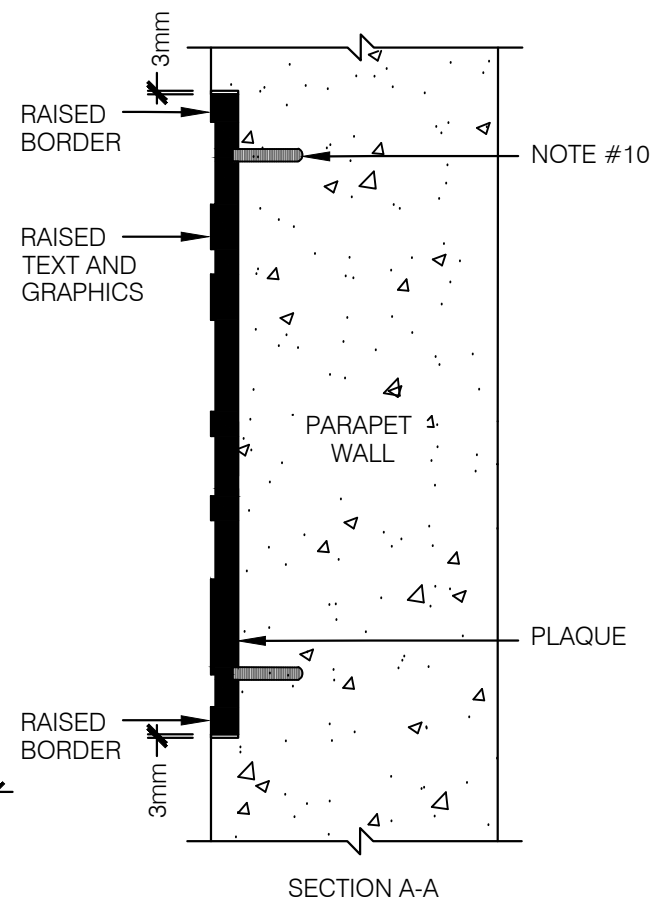
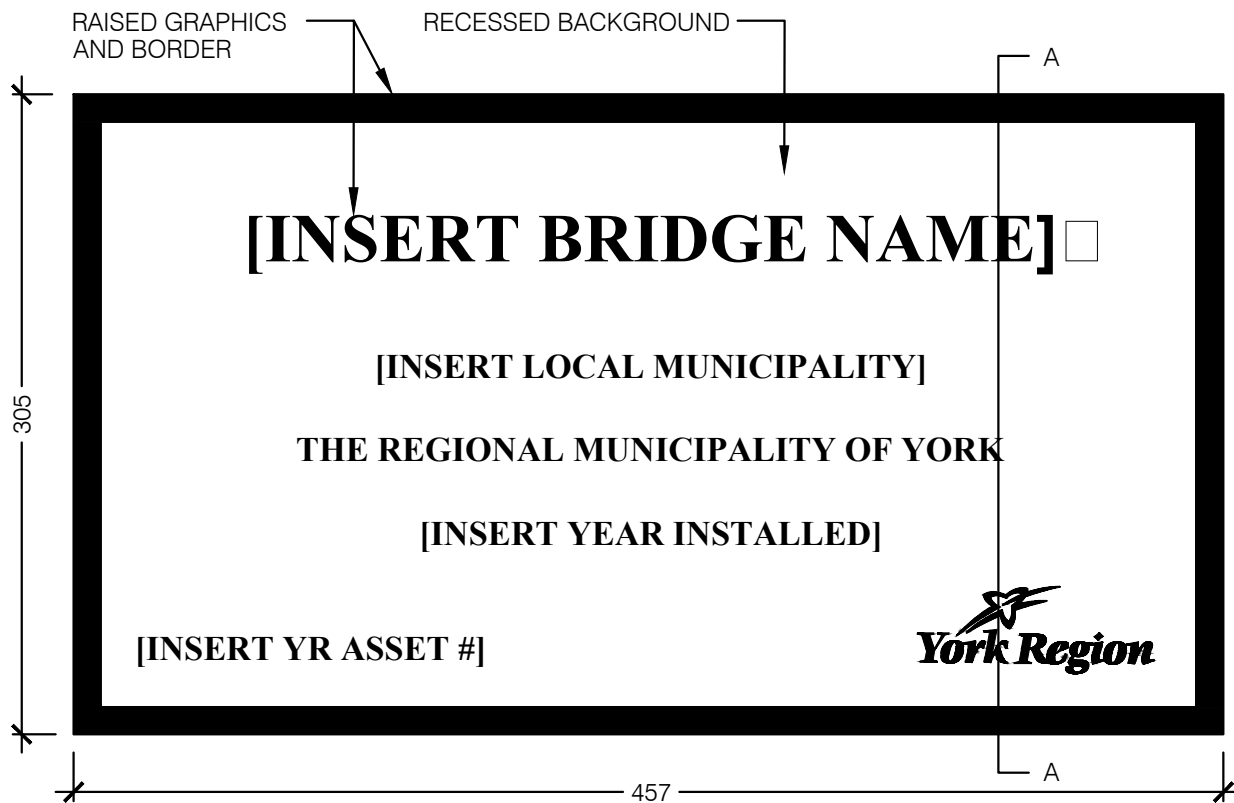


**Public Works
Transportation**

TYPICAL ARMOUR STONE RETAINING WALL WITH SIDEWALK

DATE: OCTOBER 2025 SCALE N.T.S.

REV. X X SS-204



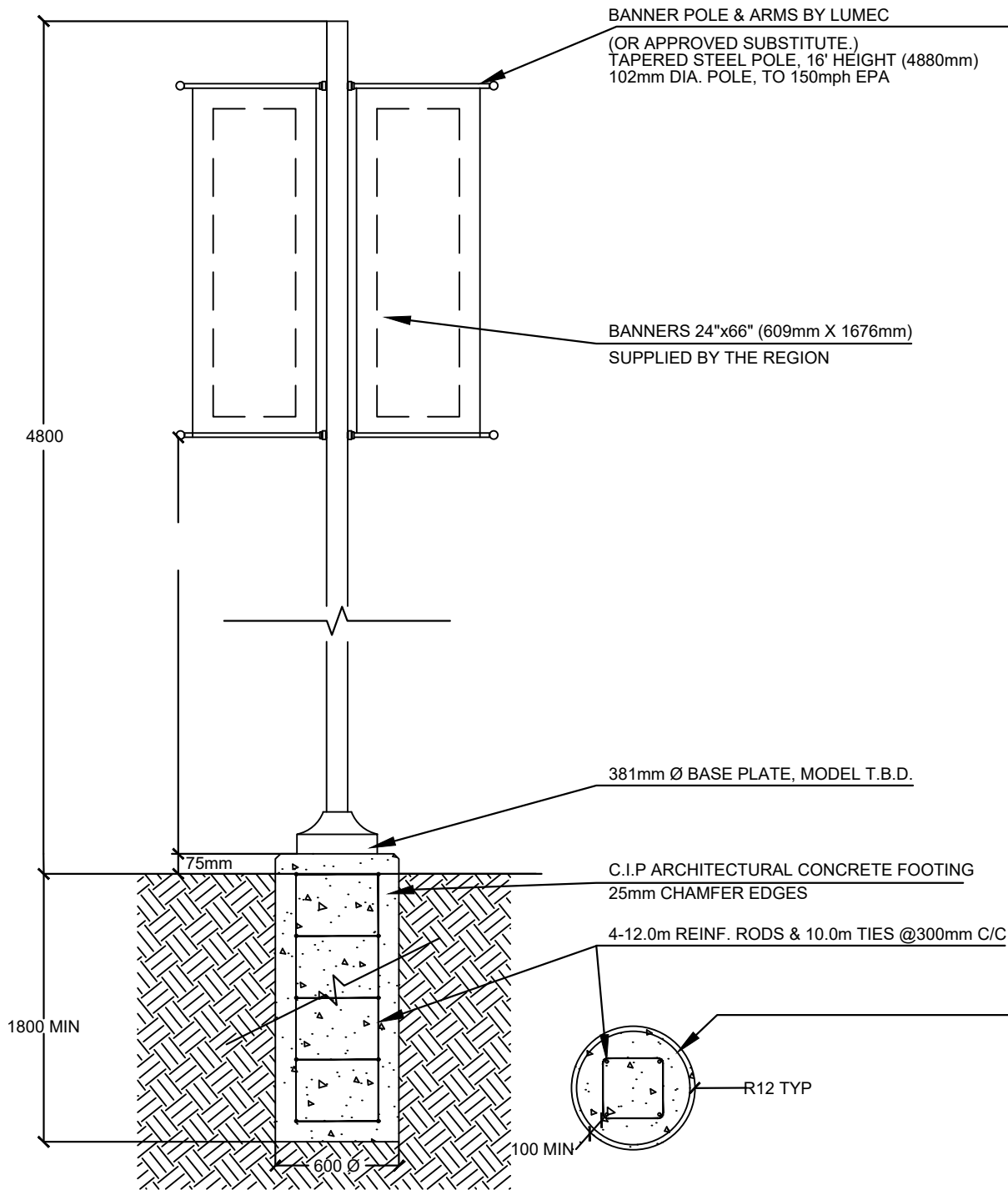
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. PLAQUE TO BE INSET 10MM (3/8") INTO PARAPET WALL SO THAT THE PLAQUE SURFACE IS FLUSH WITH THE PARAPET WALL SURFACE
3. THE CONTRACTOR SHALL SUPPLY SHOP DRAWINGS TO THE CONTRACT ADMINISTRATOR FOR APPROVAL PRIOR TO INSTALLATION.
4. ITEM: TWO (2) CAST PLAQUES
5. COPY: (AS SHOWN)
6. MATERIAL: BRONZE
7. SIZE: 305mmx457mm (12X18") AT 10mm (3/8") DEPTH)
8. STYLE: AS SHOWN
9. FINISH: DARK BROWN OXIDE BACKGROUND
10. MOUNTING: [4] 10-24 X 2.75" STAINLESS STEEL THREADED PINS & CONSTRUCTION ADHESIVE



BRIDGE PLAQUE

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	SS-300



NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
2. PROVIDE DOUBLE BANNER ARMS, BLACK. PRE-DRILLED HOLE LOCATIONS FOR BANNER ARMS TO BE DETERMINED.
3. PROVIDE SHOP DRAWING OF BANNER POLE, ANCHORING SYSTEM AND BANNER ARMS COMPLETE, FOR THE APPROVAL OF THE REGION.



**Public Works
Transportation**

BANNER POLE ON CONCRETE BASE

DATE: JANUARY 2023

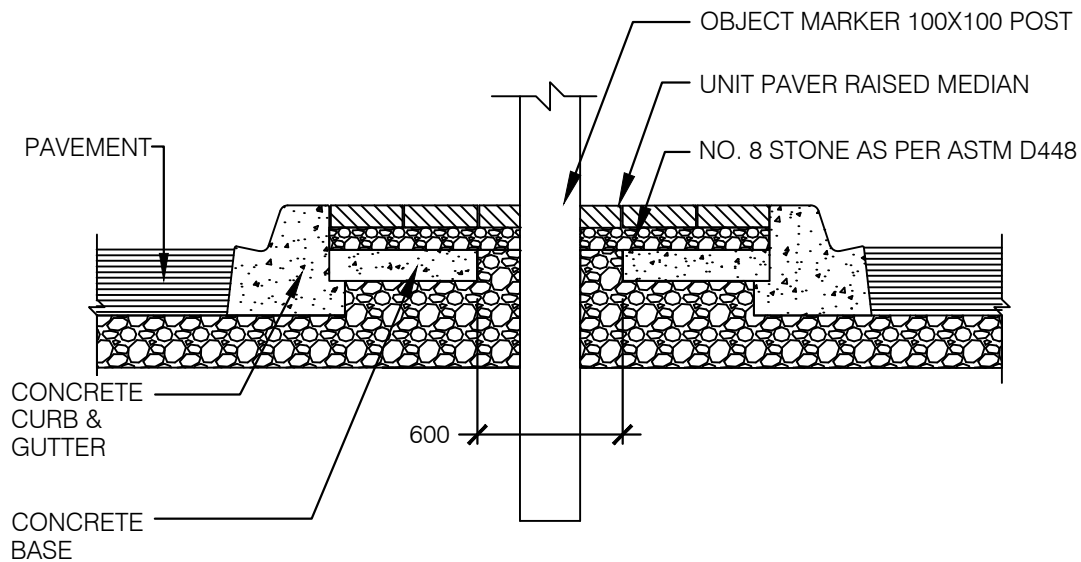
SCALE N.T.S.

REV.

X

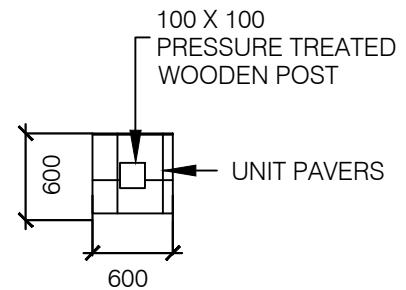
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SS-301



SIDE VIEW:

UNIT PAVER ON CONCRETE
BASE RAISED MEDIAN
N.T.S.



PLAN VIEW:

UNIT PAVERS
ADJACENT POST
N.T.S.

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. THE MEDIANS CONCRETE BASE SHALL BE FORMED AND POURED TO ACCOMMODATE A 600 X 600mm SQUARE VOID FOR THE INSTALLATION OF THE "KEEP RIGHT" SIGN AND OBJECT MARKER POST (SEE ABOVE).
3. UNIT PAVERS TO BE LAID AFTER THE POST AND SIGN INSTALLATION.
4. THIS DETAIL IS TO BE READ IN CONJUNCTION WITH SS-102A - UNIT PAVER MEDIAN ON CONCRETE BASE.



**Public Works
Transportation**

UNIT PAVERS IN MEDIAN ISLANDS
ADJACENT OBJECT MARKERS/POSTS

DATE: JANUARY 2023

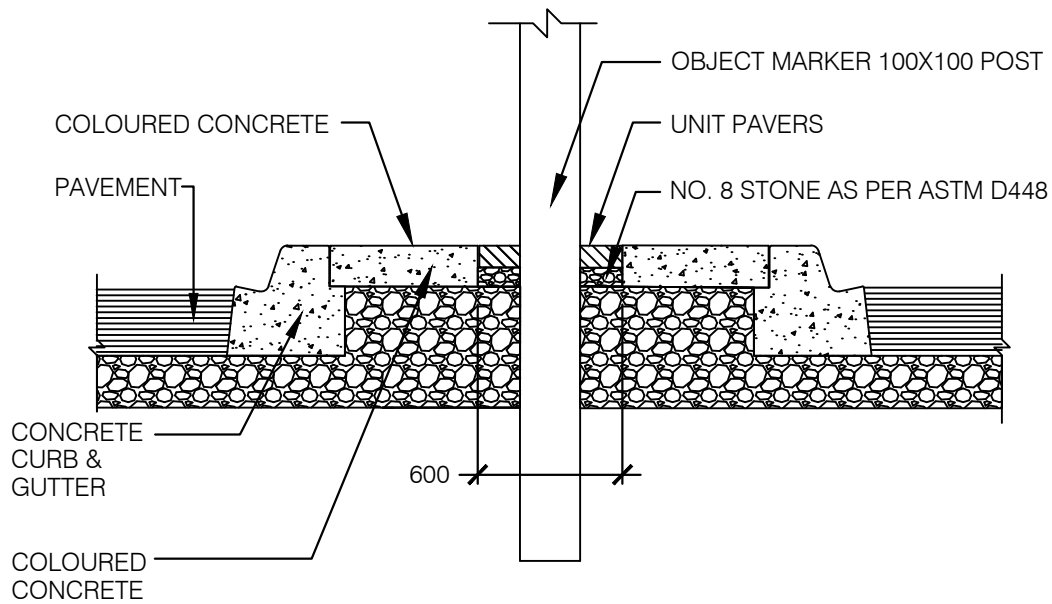
SCALE N.T.S.

REV.

X

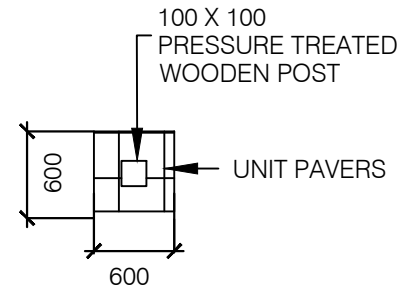
X

SS-302A



SIDE VIEW:

COLOURED CONCRETE
RAISED MEDIAN
N.T.S.



PLAN VIEW:

UNIT PAVERS
ADJACENT POST
N.T.S.

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. THE MEDIANS COLOURED CONCRETE SHALL BE FORMED AND POURED TO ACCOMMODATE A 600 X 600mm SQUARE VOID FOR THE INSTALLATION OF THE "KEEP RIGHT" SIGN AND OBJECT MARKER POST (SEE ABOVE).
3. UNIT PAVERS TO MATCH COLOURED CONCRETE AND INSTALLED AFTER THE SIGN POST.
4. THIS DETAIL IS TO BE READ IN CONJUNCTION WITH SS-104A IMPRESSED/STAMPED COLOURED CONCRETE MEDIAN AND SS-102A - UNIT PAVER MEDIAN ON CONCRETE BASE.



**Public Works
Transportation**

COLOURED CONCRETE IN MEDIAN ISLANDS
ADJACENT OBJECT MARKERS/POSTS

DATE: JANUARY 2023

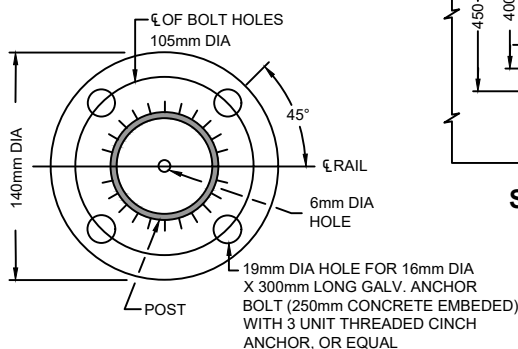
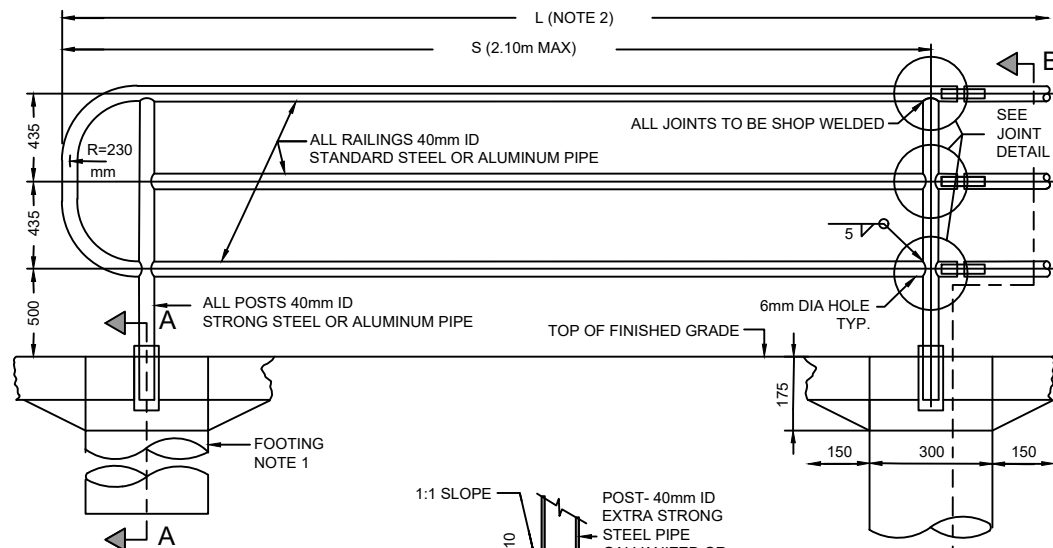
SCALE N.T.S.

REV.

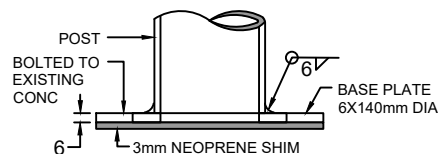
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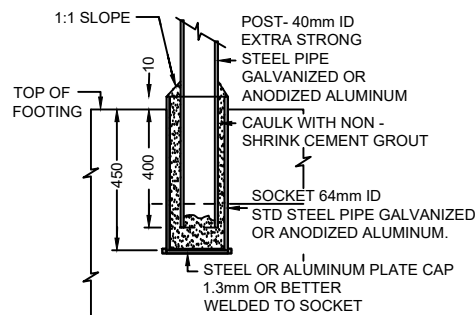
SS-302B



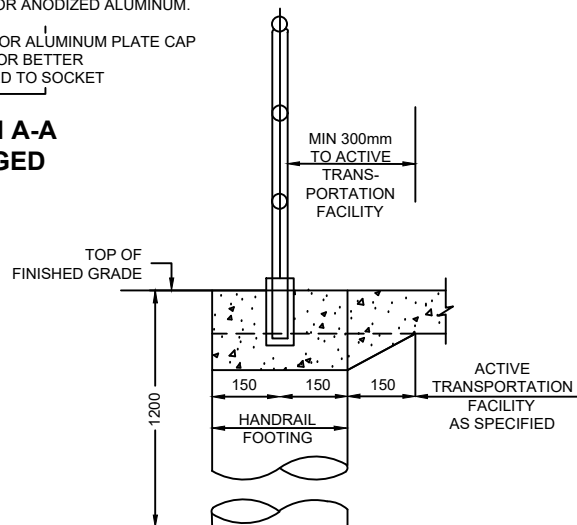
PLAN OF BASE PLATE



**BASE PLATE ELEVATION
SECTION A-A**



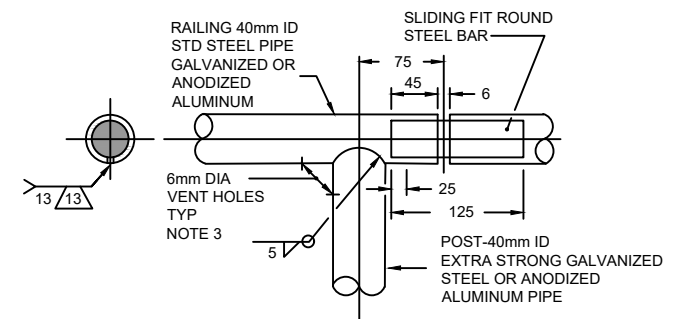
**SECTION A-A
ENLARGED**



SECTION B-B

NOTES:

1. ANCHOR LEVELING (BASE) PLATES FOR HAND RAIL POSTS TO BE SET IN CENTRE OF 300MM DIA.X1200MM DEEP CONC. FOOTINGS.
2. NUMBER OF PANELS= $\frac{\text{TOTAL LENGTH}(L-600\text{MM})}{\text{LENGTH OF PANELS}(S)}$
3. 6MM DIA HOLES ARE TO PERMIT GASES TO ESCAPE DURING GALVANIZING, ANODIZING OR PAINTING.
4. CLASS OF CONCRETE - 32MPA MIN AFTER 28 DAYS.
5. HAND RAIL TO BE HOT DIP - GALVANIZED OR ANODIZED ALUMINUM AFTER FABRICATION IN CONFORMANCE WITH CSA G-164 OR AAMA-2604-11 STANDARDS.
6. POSTS SHALL BE VERTICAL. ALL EXPOSED CORNERS TO BE GROUND SMOOTH.
7. WELDING SHALL CONFORM TO THE LATEST ISSUE OF CSA SPECIFICATION W59 IF STEEL AND W59.2-M191A IF ALUMINUM.
8. PIPE SHALL BE SUPPLIED ACCORDANCE WITH ASTM DESIGNATION A120 OR ASTM A 463 .
9. STANDARD TO BE USED IN PLACE OF OPSD 980.101 WHERE ADDITIONAL RAIL HEIGHT IS REQUIRED FOR CYCLISTS.
10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.



TYPICAL JOINT DETAIL



PEDESTRIAN AND CYCLIST BARRICADE

DATE:	OCTOBER 2025	SCALE	N.T.S.
REV.	X	X	SS-304