

**FILE: D28-019-2022**

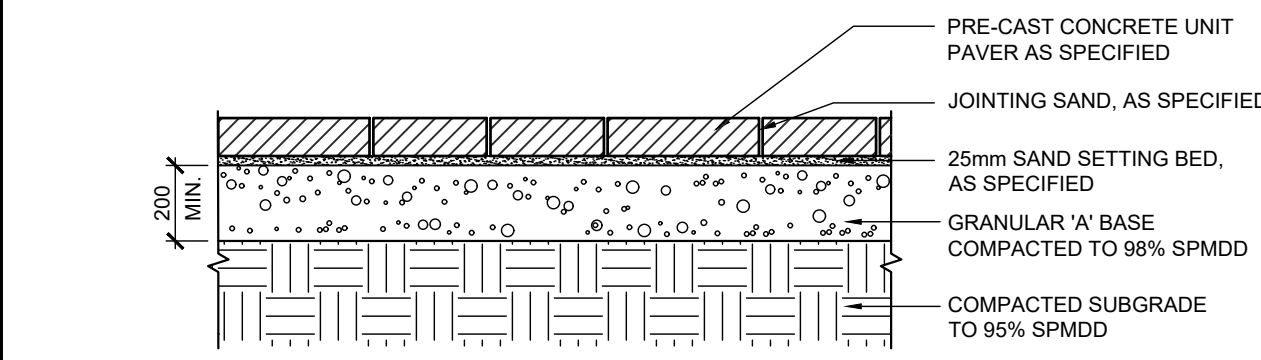
<p><b>CONTRACT DRAWINGS</b></p> <p>CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE CONSULTANT BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.</p> <p>ENVISION-TATHAM CLAIMS COPYRIGHT TO THIS DOCUMENT WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE LANDSCAPE ARCHITECT WITHOUT THE EXPRESS CONSENT OF ENVISION-TATHAM.</p>	<p><b>CLIENT:</b></p> <p>JDL DEVELOPMENT CORPORATION 100 DAVENPORT ROAD TORONTO, ON MSR 3P1</p>	<p><b>PROJECT LEGAL DESCRIPTION:</b></p> <p>PART OF LOT 52 REGISTERED PLAN 2</p>	<p>APPROVED</p>	<p>CITY ACCEPTANCE</p>	<p><b>49 COLLIER STREET</b> CITY OF BARRIE</p>	<p><b>STREETScape PLAN</b></p>	<p>SCALE: 1:150 0m 2.0m 5.0m 10.0m</p>	<p>DESIGN: AB DRAWN: SL</p>	<p>CHECKED: AB DATE: AUG. 5, 2022</p>	<p>JOB NO. ET122015-1 DWG. <b>STP-1</b></p>	<p>115 Sandford Fleming Drive, Suite 200, Collingwood, ON L9Y 5A6 Tel. 705.445.0422 inquiry@envision-tatham.com</p>								
												<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>BASE PLAN PREPARED BY SCOTT SHIELDS ARCHITECTS (2022).</li> <li>ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE INDICATED.</li> </ol>							
<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>INITIAL</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>												NO.	REVISIONS	DATE	INITIAL				
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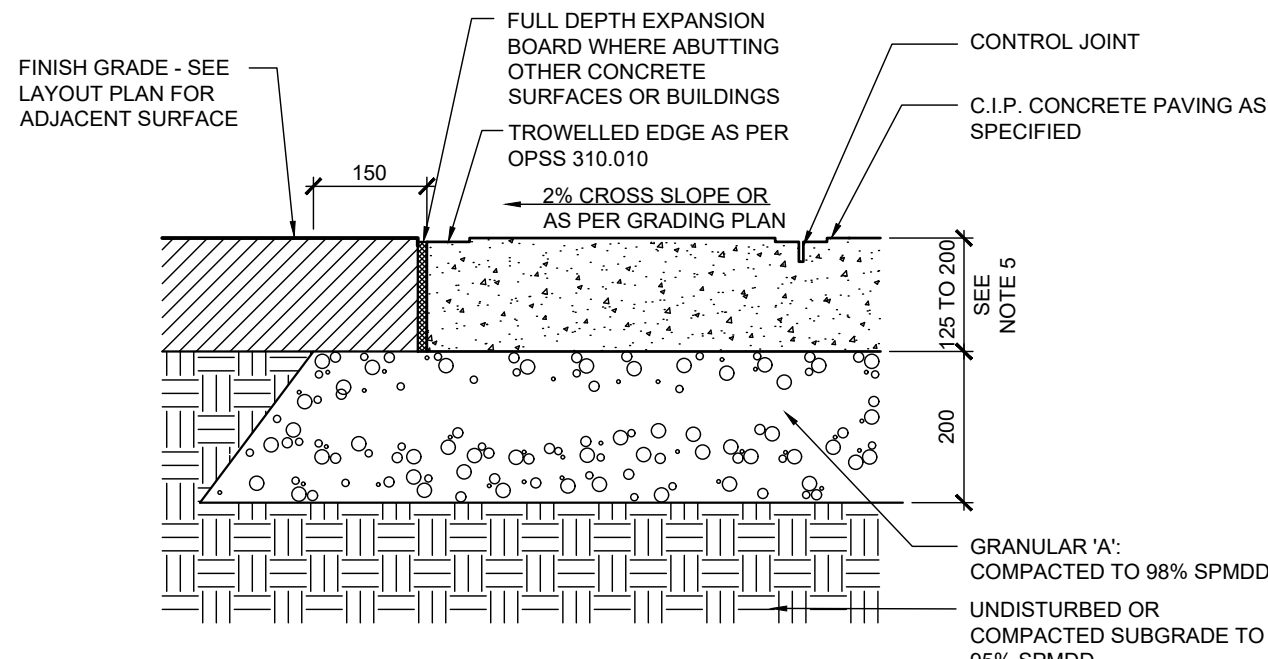
- CONCRETE UNIT PAVING SHALL BE IN ACCORDANCE WITH OPSS MUNI 355 AND THE MANUFACTURER'S SPECIFICATIONS.
- INSTALLATION SHALL BE BY A CONTRACTOR AND CREW WITH AT LEAST FIVE YEARS' EXPERIENCE IN UNIT PAVEMENT INSTALLATION ON PROJECTS OF SIMILAR SIZE AND VALUE.
- CONCRETE PAVERS SHALL BE DELIVERED TO THE SITE IN A STEEL BANDED, PLASTIC BANDED, OR PLASTIC WRAPPED CUBES CAPABLE OF TRANSFER BY FORK LIFT OR CLAMP LIFT. THE PAVERS SHALL BE UNLOADED AT THE JOB SITE IN SUCH A MANNER THAT NO DAMAGE OCCURS TO THE PRODUCT.
- BEDDING SAND AND JOINTING SAND SHALL BE IN ACCORDANCE WITH OPSS MUNI 355. DO NOT USE BEDDING SAND FOR JOINT SAND.
- STOCKPILED BEDDING AND JOINT SAND DELIVERED TO SITE SHALL BE COVERED WITH A SECURE WATERPROOF COVERING TO PREVENT EXPOSURE TO RAINFALL OR REMOVAL BY WIND.
- DO NOT INSTALL SAND OR PAVERS DURING HEAVY RAINFALL OR SNOWFALL, OR ON FROZEN BASE MATERIALS. DO NOT INSTALL FROZEN SAND.
- INSTALL CONCRETE UNIT PAVERS AND EDGE RESTRAINTS TRUE TO GRADE TO THE MODULE SIZES, COLOURS, AND LAYOUT ARRANGEMENTS AS SPECIFIED.
- COLOUR BLENDING: PAVING UNITS SHALL BE INSTALLED FROM A MINIMUM OF 3 BUNDLES SIMULTANEOUSLY, DRAWING THE PAVER VERTICALLY RATHER THAN HORIZONTALLY.
- WHERE REQUIRED, CUT UNITS ACCURATELY WITHOUT DAMAGING EDGES WITH A DOUBLE BLADE PAVER SPLITTER OR MASONRY SAW. CONTRACTOR SHALL ADJUST DIMENSIONS TO ALLOW FOR UNIT PAVEMENT JOINTS TO MINIMIZE CUTTING REQUIRED.
- DURING COMPACTION OF THE UNIT PAVEMENT SURFACE, USE MINIMUM 19mm THICK PLYWOOD OR NEOPRENE PAD UNDER PLATE COMPACTOR AND OVER CONCRETE PAVERS UNTIL UNITS ARE TRUE TO GRADE AND FREE OF MOVEMENT.
- SURFACE OF FINISHED PAVEMENT: FREE FROM DEPRESSIONS EXCEEDING 3mm AS MEASURED WITH 3m STRAIGHT EDGE.
- AT THE COMPLETION OF EACH WORK DAY, ENSURE ALL WORK WITHIN 1m OF LAYING FACE IS LEFT FULLY COMPACTED WITH SAND FILLED JOINTS.

**NOTES:**

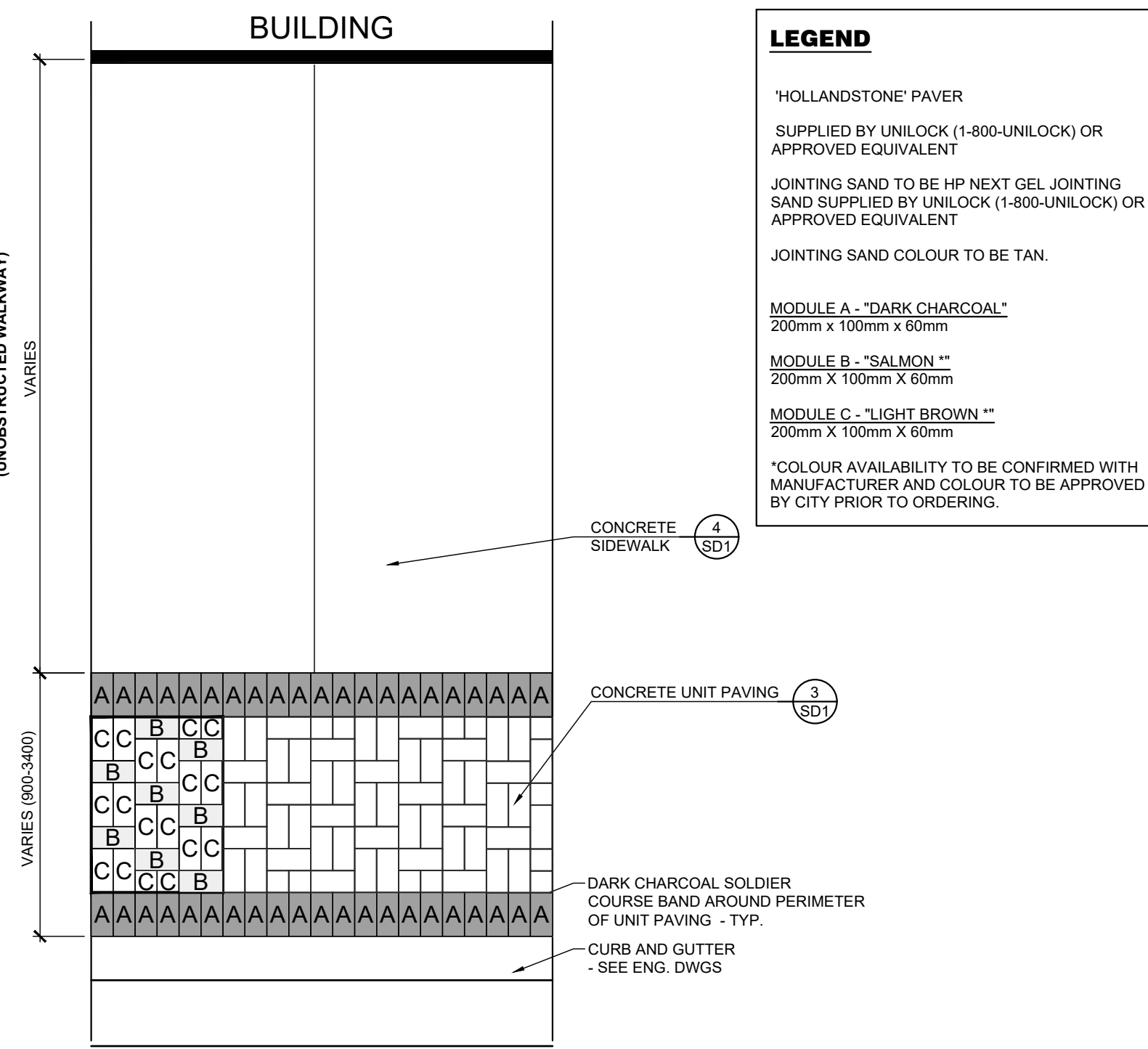
- CONCRETE SIDEWALK SHALL BE IN ACCORDANCE WITH AND OPSS 351 AND OPSD 310.010, 310.020, 310.040 AND 310.050, UNLESS OTHERWISE SPECIFIED.
- CONCRETE SIDEWALK RAMP SHALL BE IN ACCORDANCE WITH BSD-317.
- GRANULAR 'A' SHALL BE IN ACCORDANCE WITH OPSS MUNI 314 AND OPSS MUNI 1010 UNLESS OTHERWISE SPECIFIED. INSTALLED TO THE MINIMUM REQUIRED COMPACTED THICKNESS AS DETAILED, OR TO ACHIEVE REQUIRED GRANULAR BASE ELEVATION.
- TACTILE WALKING SURFACE INDICATORS (TWSI) SHALL BE IN ACCORDANCE WITH OPSD 310.039, UNLESS OTHERWISE SPECIFIED.
- CONCRETE THICKNESS TO BE INCREASED TO 150mm AT FLARED SIDES OF CURB RAMP AND TO 200mm AT DRIVEWAYS AND CURB RAMP.
- FINISH: LIGHT BROOM FINISH, PERPENDICULAR TO THE LONG SIDE OF BAND.
- LOCATE CONTROL JOINTS AS SHOWN ON THE STREETSCAPE PLAN (MAX. 4.5M O.C.) AND EXPANSION JOINTS AS SHOWN ON THE STREETSCAPE PLAN.
- EXPANSION JOINTS SHALL ALSO BE PROVIDED WHERE CONCRETE ABUTS ADJACENT CONCRETE SURFACES, CURBS AND BUILDING FOUNDATIONS.
- EXPANSION JOINTS: FULL DEPTH EXPANSION BOARD WITH TOOLED JOINT EDGES.
- CONTROL JOINTS: TOOLED TO 1/4 DEPTH OF SLAB.
- SLAB EDGES: TOOLED OUTSIDE EDGES OF SIDEWALK.



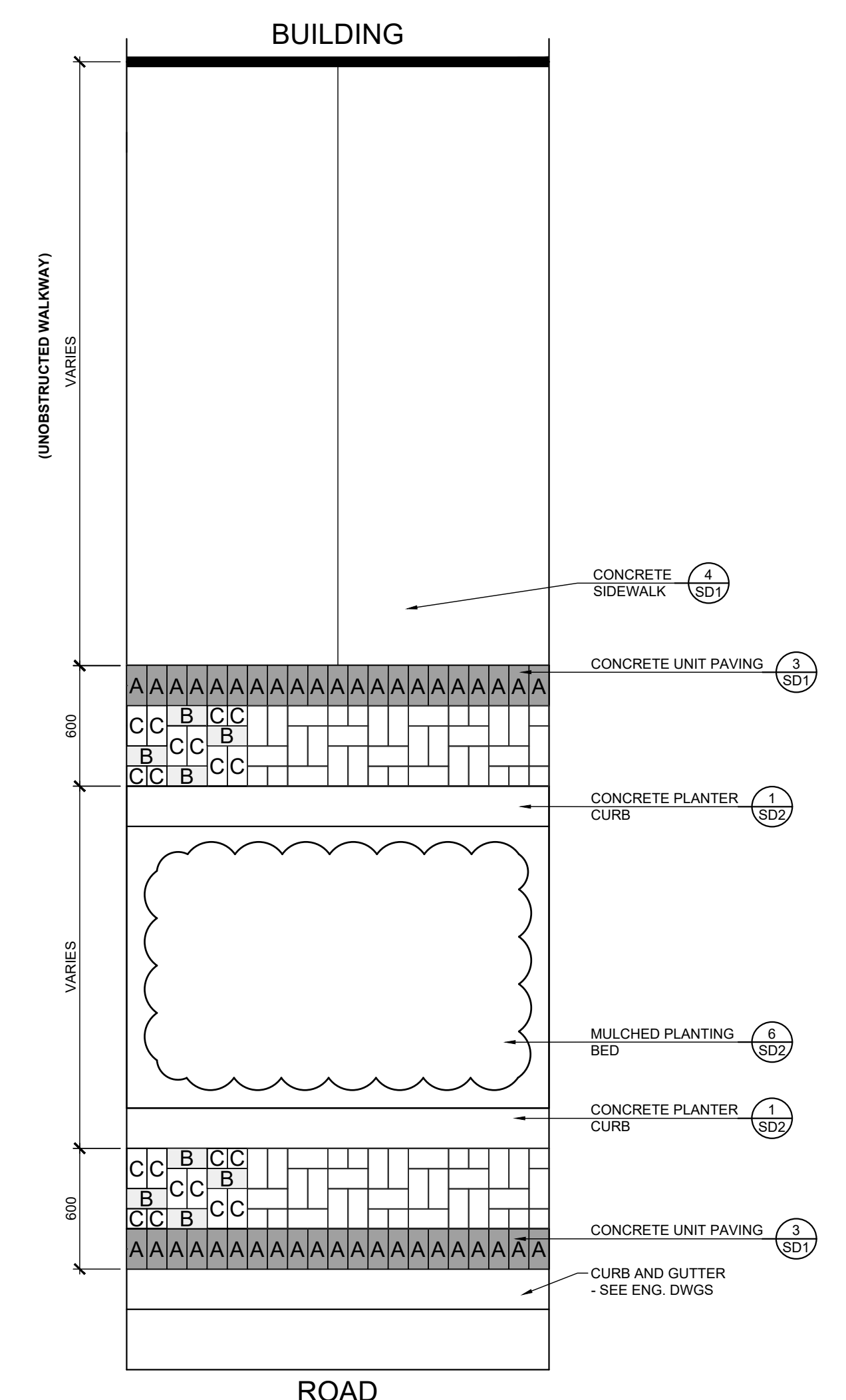
**1** CONCRETE UNIT PAVING  
SD1 1:20



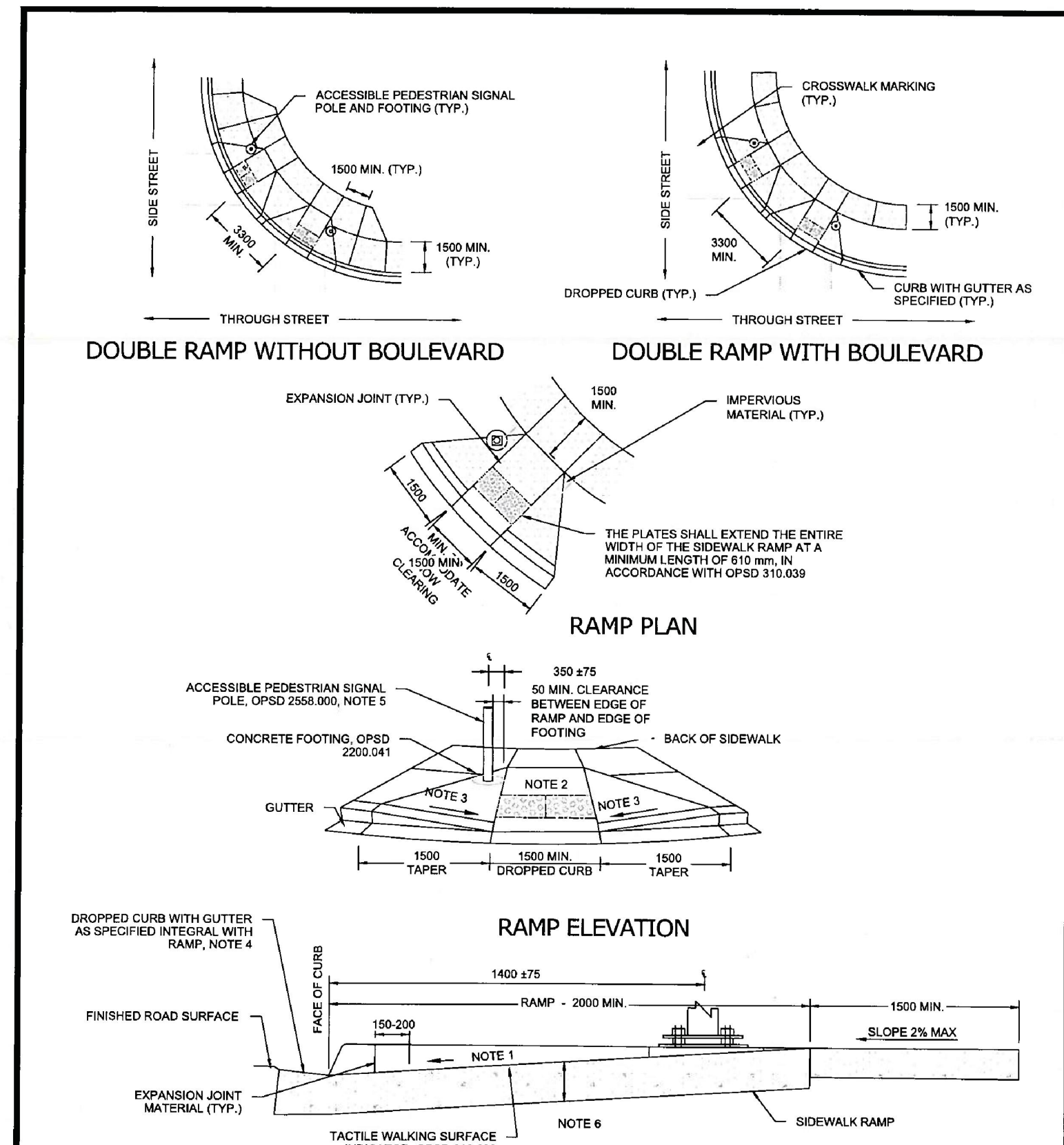
**2** CONCRETE SIDEWALK  
SD1 1:10



**3** BOULEVARD PAVING - TYPICAL  
SD1 1:25



**4** BOULEVARD PAVING WITH PLANTER - TYPICAL  
SD1 1:25



**5** CURB RAMP AT SIGNALIZED INTERSECTION  
SD1 NTS

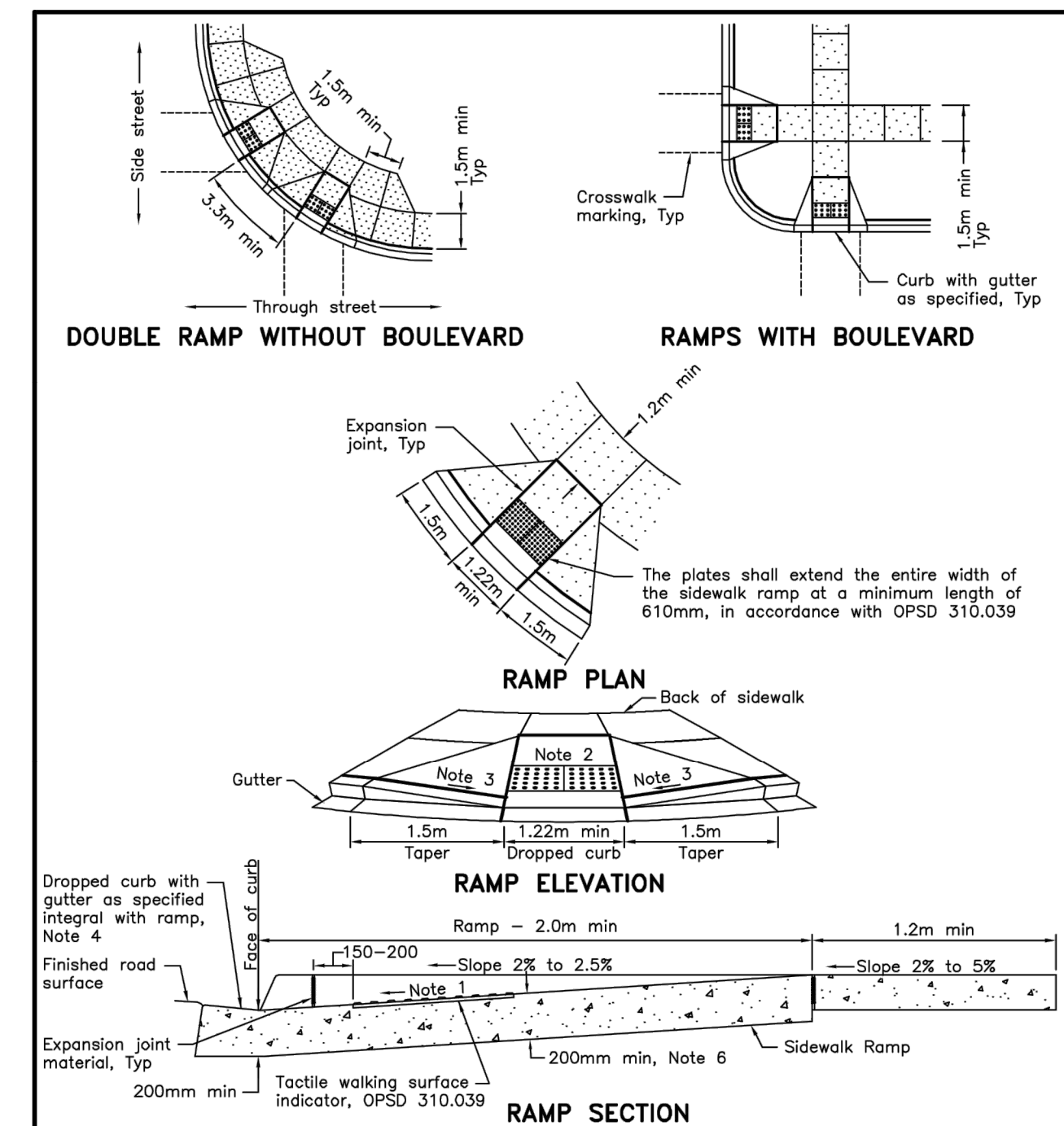
**Barrie** STANDARD DETAIL

**CONCRETE SIDEWALK RAMP AT SIGNALIZED INTERSECTIONS**

REV No. 1 DATE: OCT 2017 SCALE: N.T.S.

**APPROVED** DATE: Oct 28/17

**BSD-317**

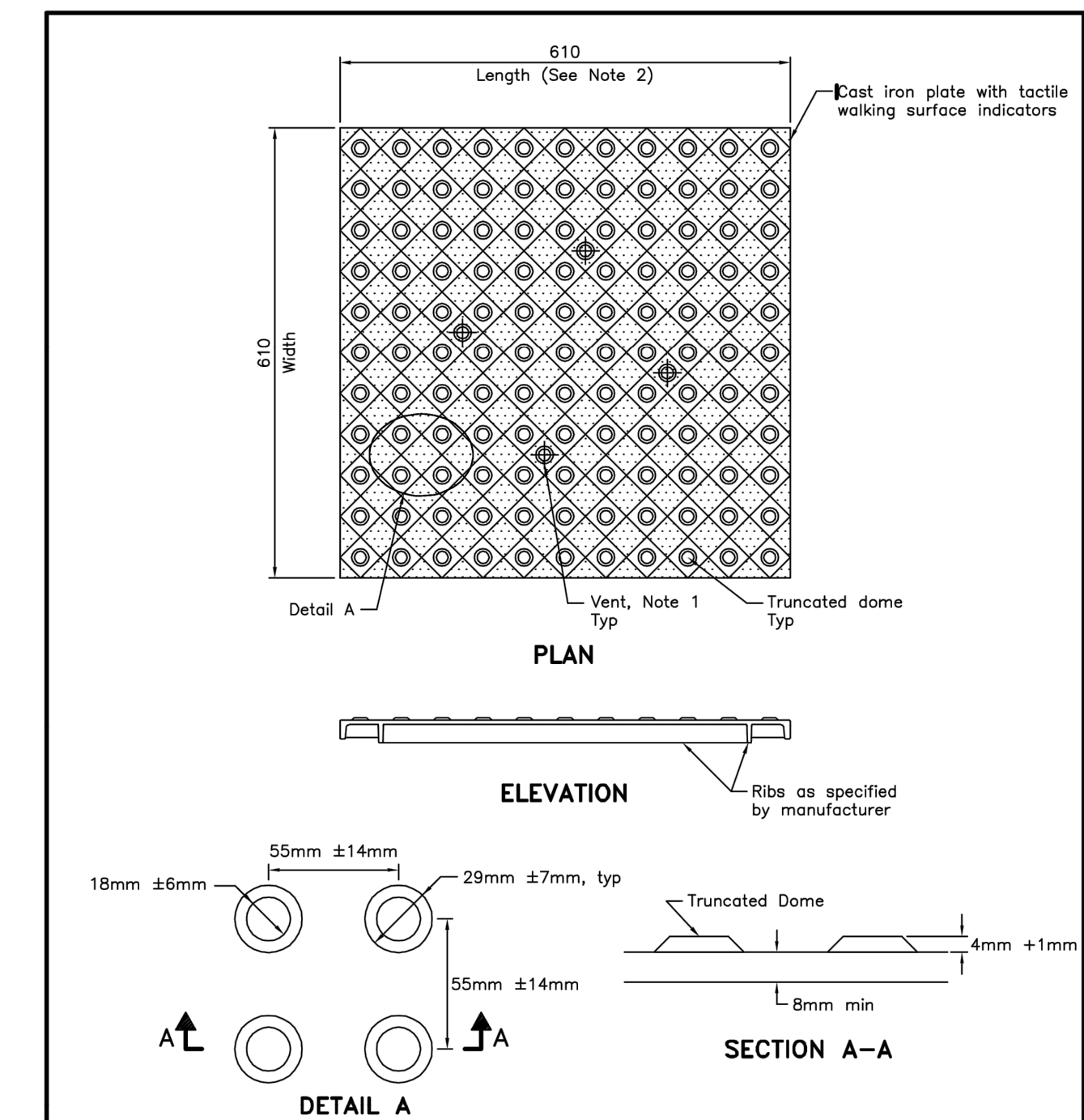


**6** CURB RAMP AT UNSIGNALIZED INTERSECTION  
SD1 NTS

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0

**CONCRETE SIDEWALK RAMP AT UNSIGNALIZED INTERSECTIONS**

OPSD 310.033



**7** TACTILE WALKING SURFACE INDICATOR  
SD1 NTS

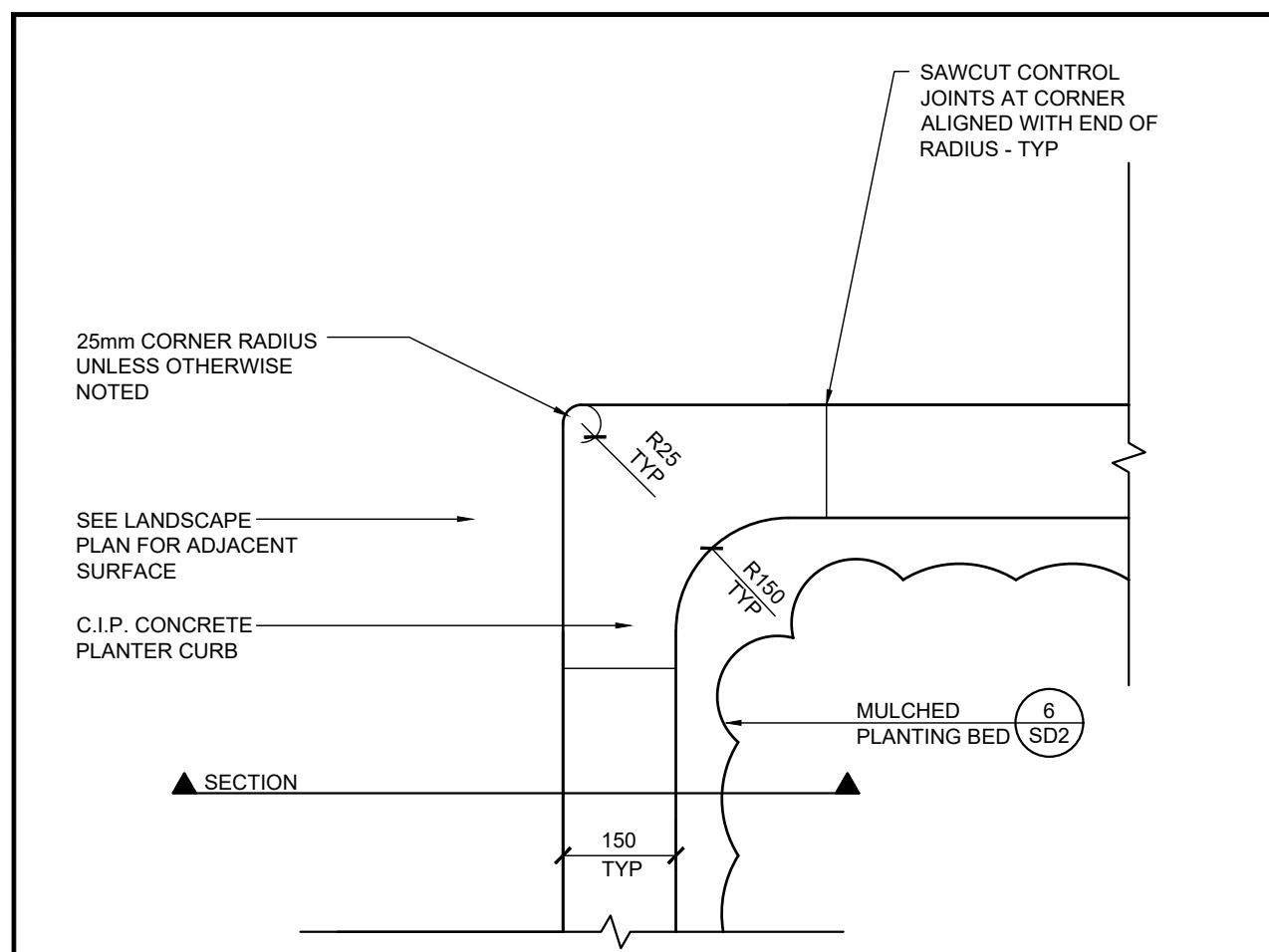
ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0

**CONCRETE SIDEWALK RAMP TACTILE WALKING SURFACE INDICATORS COMPONENT**

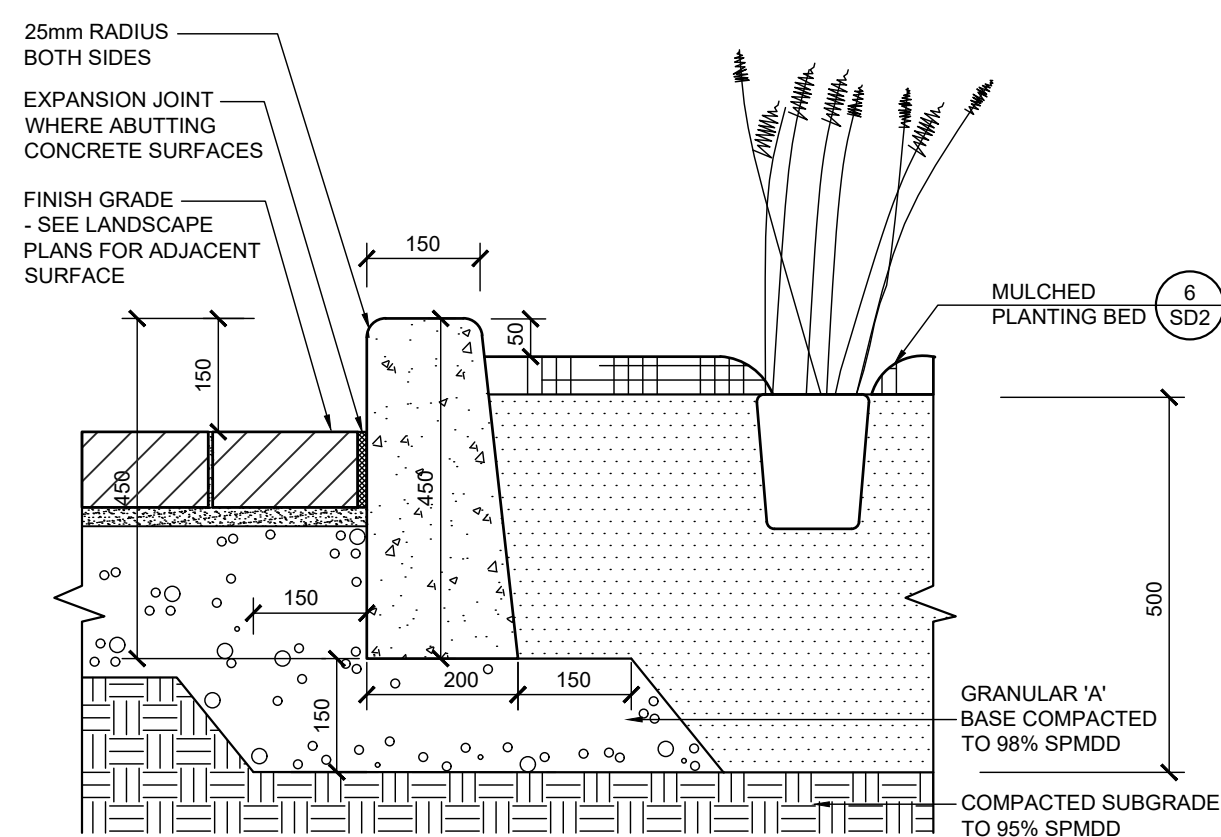
OPSD 310.039

**FILE: D28-019-2022**

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PLAN



SECTION (TYPICAL)

1 SD2 CONCRETE PLANTER CURB

1:10

NOTES

- CIP CONCRETE PLANTER CURBS SHALL BE IN ACCORDANCE WITH OPSS MUNI 353 AND OPSS MUNI 1350.
- GRANULAR BASE SHALL BE GRANULAR 'A' IN ACCORDANCE WITH OPSS MUNI 314 AND OPSS MUNI 1010.
- CONCRETE TO BE 30MPa COMPRESSIVE STRENGTH, C-2 EXPOSURE AT 28 DAYS WITH 7% +/- 1.5% AIR ENTRAINMENT, MEASURED AT POINT OF PLACEMENT IN ACCORDANCE WITH CSA-A23.1.
- FINISH: LIGHT BROOM FINISH, PERPENDICULAR TO THE LONGITUDINAL CURB ALIGNMENT.
- CONTROL JOINTS: SAW CUT TO 1/4 DEPTH OF CURB THICKNESS AND SPACED MAXIMUM 2.0m O.C.
- ALL CONTROL JOINTS SHALL BE MARKED FOR APPROVAL BY CONSULTANT PRIOR TO SAW-CUTTING.
- SAW CUT CONTROL JOINTS SHALL BE BY WET DIAMOND BLADE, COMMENCING 8 TO 24 HOURS AFTER CONCRETE PLACEMENT, AS SOON AS THE CONCRETE SURFACE HAS HARDENED SUFFICIENTLY TO RESIST DISLODGING AGGREGATE WHILE CUTTING.

1. THE CONTRACTOR SHALL REVIEW ALL INFORMATION IN THE DRAWINGS, DETAILS AND SPECIFICATIONS FOR THIS PROJECT, AND REPORT ANY DISCREPANCY OR SUBSTITUTION TO THE CONTRACT ADMINISTRATOR IN WRITING PRIOR TO COMMENCEMENT OF WORK.

2. ALL PLANTING MATERIAL AND OPERATIONS TO MEET OR EXCEED THE HORTICULTURAL STANDARDS OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION AND LANDSCAPE ONTARIO. ALL PLANT MATERIAL TO BE No.1 GRADE NURSERY STOCK. THE CITY OF BARRIE RETAINS THE RIGHT TO REFUSE ANY UNSATISFACTORY STOCK.

3. DECIDUOUS STREET TREES SHALL BE A MINIMUM OF 60mm CALIPER WITH A STRAIGHT CENTRAL LEADER AND WELL BRANCHED 1.5m ABOVE GRADE UNLESS OTHERWISE STATED, REFER TO BSD-1310.

4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND IS RESPONSIBLE FOR ANY DAMAGE TO SERVICES, EXISTING VEGETATION, OR ANY OTHER FEATURES TO BE RETAINED.

5. THE CONTRACTOR SHALL STAKE OUT ALL PLANTING LOCATIONS FOR APPROVAL BY THE CONTRACT ADMINISTRATOR, AND/OR CITY STAFF PRIOR TO PLANTING.

6. FOR ALL LANDSCAPE PLANS, ALL DIMENSIONS ARE TO BE SHOWN IN MILLIMETRES UNLESS OTHERWISE INDICATED.

7. COMPLY WITH THE FOLLOWING PLANTING SETBACKS AS ILLUSTRATED ON BSD-1315.

8. ALL PLANT MATERIAL AND WORKMANSHIP WILL BE INSPECTED AND IS UNDER WARRANTY FOR A MINIMUM OF TWO YEARS FROM THE DATE OF WRITTEN ACCEPTANCE. ALL PLANT MATERIAL MUST BE IN A HEALTHY, VIGOROUS GROWING CONDITION SATISFACTORY TO THE CONTRACT ADMINISTRATOR AT THE END OF THE WARRANTY PERIOD, OR TO BE REPLACED AT THE CONTRACTOR'S EXPENSE.

9. WATER AT TIME OF PLANTING AND WHENEVER DEEMED NECESSARY TO MAINTAIN THE TREES IN A HEALTHY CONDITION.

10. INSTALLATION OF THE PLANT MATERIAL PRIOR TO INSPECTION BY THE LANDSCAPE ARCHITECT AND/OR CITY STAFF WILL BE THE CONTRACTOR'S RESPONSIBILITY. THE LANDSCAPE ARCHITECT AND THE CITY OF BARRIE RESERVES THE RIGHT TO REJECT ANY PLANTS, WHETHER INSTALLED OR NOT, WHICH DO NOT CONFORM TO THE SPECIFICATIONS AND/OR SITE DRAWING(S). REMOVE ALL REJECTED PLANTS FROM THE SITE IMMEDIATELY. DO NOT REMOVE ANY LABELS FROM PLANTS UNTIL PLANTS HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT AND/OR CITY STAFF.

11. NO ACCESSIBLE OPEN HOLE TREE PITS SHALL BE PERMITTED OVERNIGHT. ALL OPEN PITS SHALL BE ADEQUATELY PROTECTED BY BARRIERS OR FILLED IN WITH SOIL PRIOR TO THE END OF EACH PLANTING DAY.

12. IN THE EVENT OF A DISCREPANCY BETWEEN A PLANT LIST AND DRAWING, THE DRAWING WILL BE ASSUMED TO BE CORRECT.

13. DO NOT PRUNE LEADERS, TREES WITH DAMAGED OR MISSING LEADERS WILL NOT BE ACCEPTED.

**APPROVED**  
DATE: June 11/15  
Director of Engineering

**The City of BARRIE**  
STREETScape BOULEVARD TREE PLANTING NOTES  
REV No. 1 DATE: JUNE 2015  
SCALE: N.T.S.  
BSD-1321

2 SD2 STREETScape BOULEVARD TREE PLANTING NOTES

NTS

DO NOT PRUNE LEADERS, TREES WITH DAMAGED OR MISSING LEADERS WILL NOT BE ACCEPTED

TREE CROWN NOTES:

- REMOVE AT TIME OF PLANTING ANY DEAD, BROKEN OR DAMAGED LIMBS INCLUDING INTERFERING BRANCHES, DOUBLE LEADERS AND NARROW BRANCH UNIONS.
- REMOVE ALL LABELS AND TAGS AT TIME OF PLANTING
- TREES ARE TO BE PLANTED PLUM AND HAVE BOTH FULL FORM AND HEALTHY CANOPY STRUCTURE. ANY TREES WHICH DO NOT MEET THIS CRITERIA AND/OR HAVE WEAK BRANCHING STRUCTURE, DO NOT HAVE STRAIGHT TRUNKS OR HAVE UNBALANCED CROWNS WILL NOT BE ACCEPTED

TREES ARE TO BE STAKED WITH (2) TWO SOFTWOOD STAKES (38x8x2400mm) EXTENDING 300mm INTO FIRM GROUND AT AN ANGLE AND SECURED VERTICAL PRIOR TO BACKFILLING THE TREE PIT. SECURE USING #12 GAUGE GALVANIZED WIRE ENCASED IN 12mm DIAMETER REINFORCED RUBBER HOSE (ENSURING WIRE ENDS DO NOT PROTRUDE) OR APPROVED EQUIVALENT. STAKING HARDWARE TO BE REMOVED AFTER ONE GROWING SEASON

BURLAP WRAP TREE FROM TOP OF ROOT BALL TO FIRST BRANCH UNION AND SECURE WITH BIODEGRADABLE TIES. REMOVE AFTER ONE GROWING SEASON

KEEP MULCH 50-100mm AWAY FROM TRUNK

FORM A 100mm HIGH EARTH SAUCER BEYOND THE EDGE OF THE ROOT BALL AND COVER WITH 100mm OF SHREDDED CEDAR MULCH

LOOSEN OR SCARIFY THE INSIDE SURFACE OF THE PLANTING HOLE PRIOR TO INSTALLATION OF THE TREE

IMPORTED FRIABLE SCREENED LOAM TOPSOIL COMPACTED TO ELIMINATE AIR POCKETS

PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL

300 MIN

1500 MIN

VARIES

VARIES

300

1. ALL CALIPER TREE PLANTING SHALL HAVE A MINIMUM 60mm DIAMETER ROOT BALL.

2. CUT AND REMOVE ALL WIRE, ROPE AND BURLAP FROM THE TOP 150mm OF THE ROOT BALL AT THE TIME OF PLANTING.

3. FOR POORLY DRAINED OR COMPACTED SOILS THE ROOT BALL SHALL BE PLACED SO THAT THE ROOT COLLAR IS A MAXIMUM OF 100mm ABOVE THE FINISHED GRADE. FOR ALL OTHER INSTALLATIONS THE ROOT COLLAR SHALL BE AT OR 50mm ABOVE FINISHED GRADE.

4. ALL TREES WITHIN 3.0m OF A SIDEWALK OR DRIVEWAY MUST ALSO HAVE A COORDINATED INSTALLATION OF AN APPROVED ROOT BARRIER INSTALLED IN ADDITION TO THE TREE FOR ALL STREETScape APPLICATIONS.

5. ALL TWINE AND BURLAP MUST BE BIODEGRADABLE (UNTREATED).

6. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

**APPROVED**  
DATE: June 11/15  
Director of Engineering

**The City of BARRIE**  
DECIDUOUS TREE PLANTING DETAIL  
REV No. 4 DATE: JUNE 2015  
SCALE: N.T.S.  
BSD-1310 FORMERLY BSD-29

3 SD2 DECIDUOUS TREE PLANTING

NTS

**Modified 72"Ø J Planter**

knicht & berchtold inc.  
2795 east bayshore road  
owen sound, ont. N4K 5N3  
phone : (505) 457-4911  
fax : (505) 457-2100  
website: www.alphaprecasts.com  
e-mail: info@alphaprecasts.com

6'

4"

3/4"

1 1/4"

5"

5'-2"

4'-9 1/2"

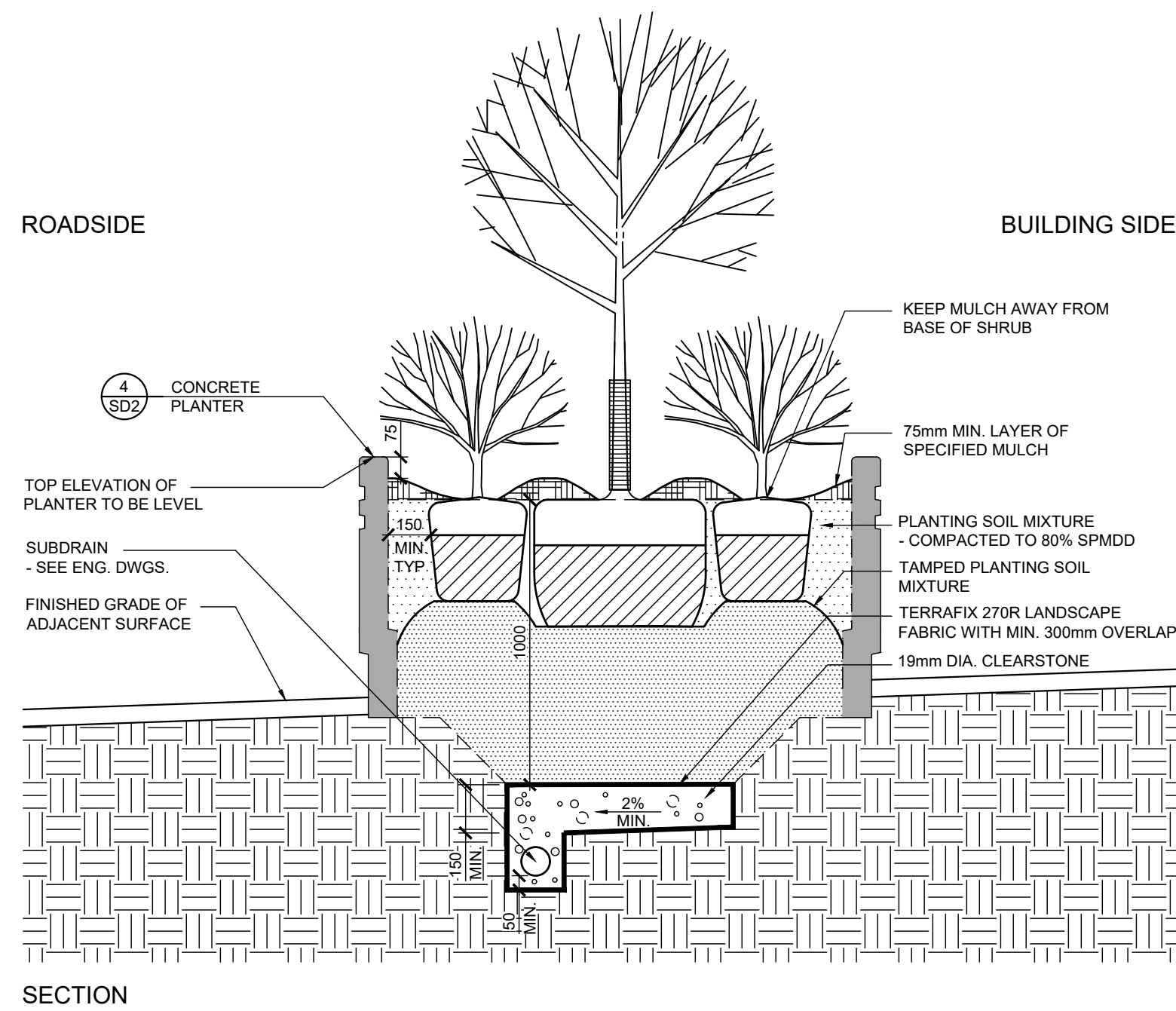
PLAN

SK-1 May 22, 2019

NOTES  
L20 exposed with "Charcoal" colour as per approved sample reveals will be form finish reinforced with 10M reinforcing bar and 6x6x5/8 wire mesh lifting inserts are cast-in to the inside of the planter 1 pc required

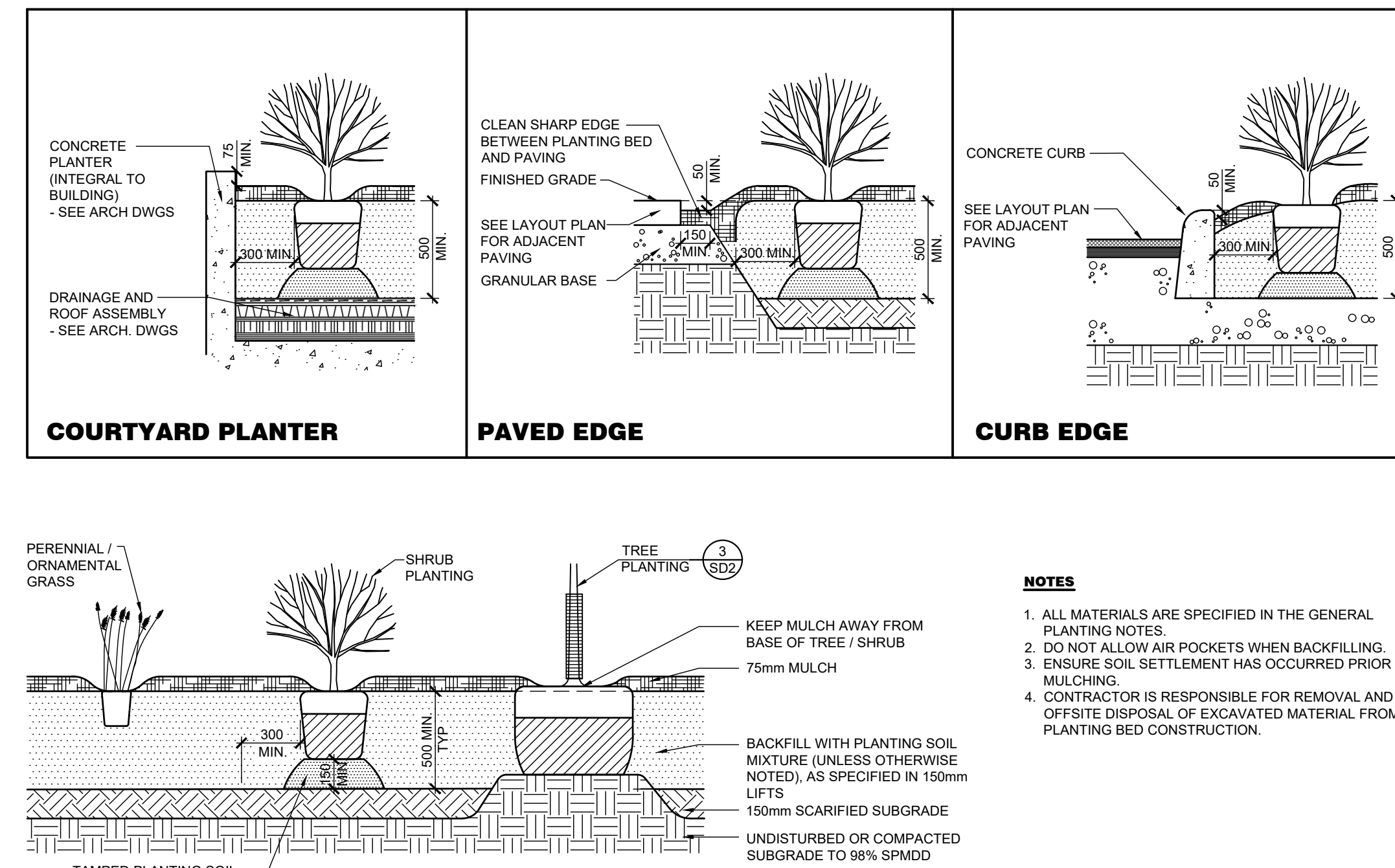
4 SD2 CONCRETE PLANTER

NTS



5 SD2 TREE & SHRUB PLANTING IN CONCRETE PLANTER

1:20



6 SD2 MULCHED PLANTING BED

NTS

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NO.	REVISIONS	DATE	INITIAL						

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