



**NOTES**

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**LEGEND**

- PROPOSED DECIDUOUS TREE
- EXISTING TREE TO BE RETAINED
- TREE PROTECTION HOARDING
- REQUIRED TREE PROTECTION ZONE
- SOD
- LIGHT DUTY CONCRETE PAVING
- TIMBER DECK
- WATER FEATURE
- BICYCLE PARKING
- CAFÉ CHAIRS AND TABLE
- SEAT BENCH
- TREE PIT WITH GRATE
- SCULPTURAL SEATING

**ISSUE**

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2	2022-05-09 ISSUED FOR REZONING
1	2022-03-18 ISSUED FOR CO-ORDINATION

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Landscape Architecture and Urban Design  
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1488 Argus Road, Toronto Ontario M6C 2G5 Canada

**DISTRKT**

CROSS AVENUE & ARGUS ROAD  
OMNIVILLE, ONTARIO

**LANDSCAPE MASTERPLAN**

SCALE: 1:200  
DRAWN: LR  
CHECKED: GH  
PROJECT NUMBER: 21-026  
DRAWING DATE: 2021-11-20

**L100**

**TREE PRESERVATION AND PLANT HEALTH CARE FOR CONSTRUCTION AROUND TREES**

Current ISA Best Management Practices for preserving trees in close proximity to construction activities indicate that trees should not be fertilized during construction or following the first year of construction activities. This is due to urban soils often being sterile and compacted, reducing water and nutrient uptake and causing a built up of fertiliser salts that may burn roots and reduce water uptake by the tree.

Therefore, we recommend saturating the soils around trees with ArborGain, and applying a layer of wood chips that are soaked with ArborGain to provide a slow release food source to help the tree during and after construction. This will stimulate microbial soil activity and root development, and provide a carbohydrate food source for trees to increase vigor and foliage growth. This will also help alleviate some tree stress due to construction activities, and increase drought tolerance. Individual tree needs should be assessed by a qualified arborist prior to construction and in addition to tree health and condition, soil analysis is also recommended to determine soil health and condition.

**Pre-construction Phase**  
The following tree preservation measures should occur prior to construction:

- Tree Protection Hoarding/Fencing should be installed and in place prior to demolition and construction activities.
- All contractors should be informed of the tree preservation measures and guidelines and any questions or inquiries should be addressed before demolition and construction begins.
- Trees that are proposed for removal (and after receiving the appropriate removal permits) should be removed prior to demolition and construction activities.
- Trees that are to be preserved should be properly pruned prior to construction.
- Watering within the Tree Protection Zones may be required during drought periods or as the season dictates.
- If injury should occur to retained trees during construction, the retaining arborist should re-evaluate the trees so that appropriate treatments can be recommended and performed.
- No excavation or demolition should occur until all tree preservation requirements have been met.
- These recommendations should be used as a minimum requirement for the survival of the retained trees and the consulting arborist should be included in all decisions regarding activities in and around Tree Protection Zones.

**Construction Phase**  
The following tree preservation measures should occur during construction:

- Maintain and respect Tree Protection Zones (TPZ) fencing and Tree Protection Guidelines throughout each construction phase. Do not store or dump materials in the TPZ area.
- Branches that are required to be pruned during construction for clearance, should be done so by a qualified arborist.
- Watering within the TPZ's may be required during dry periods.

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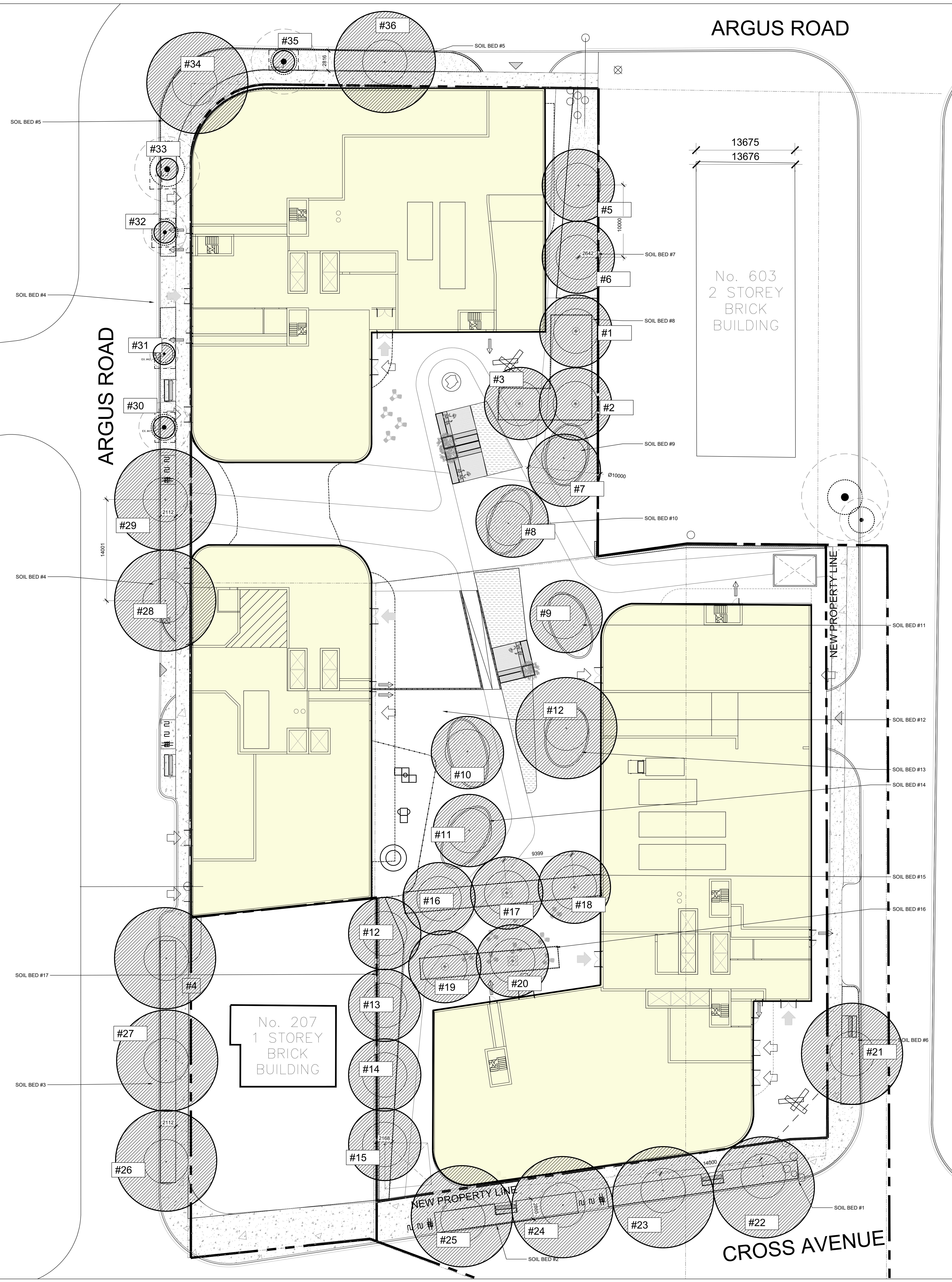
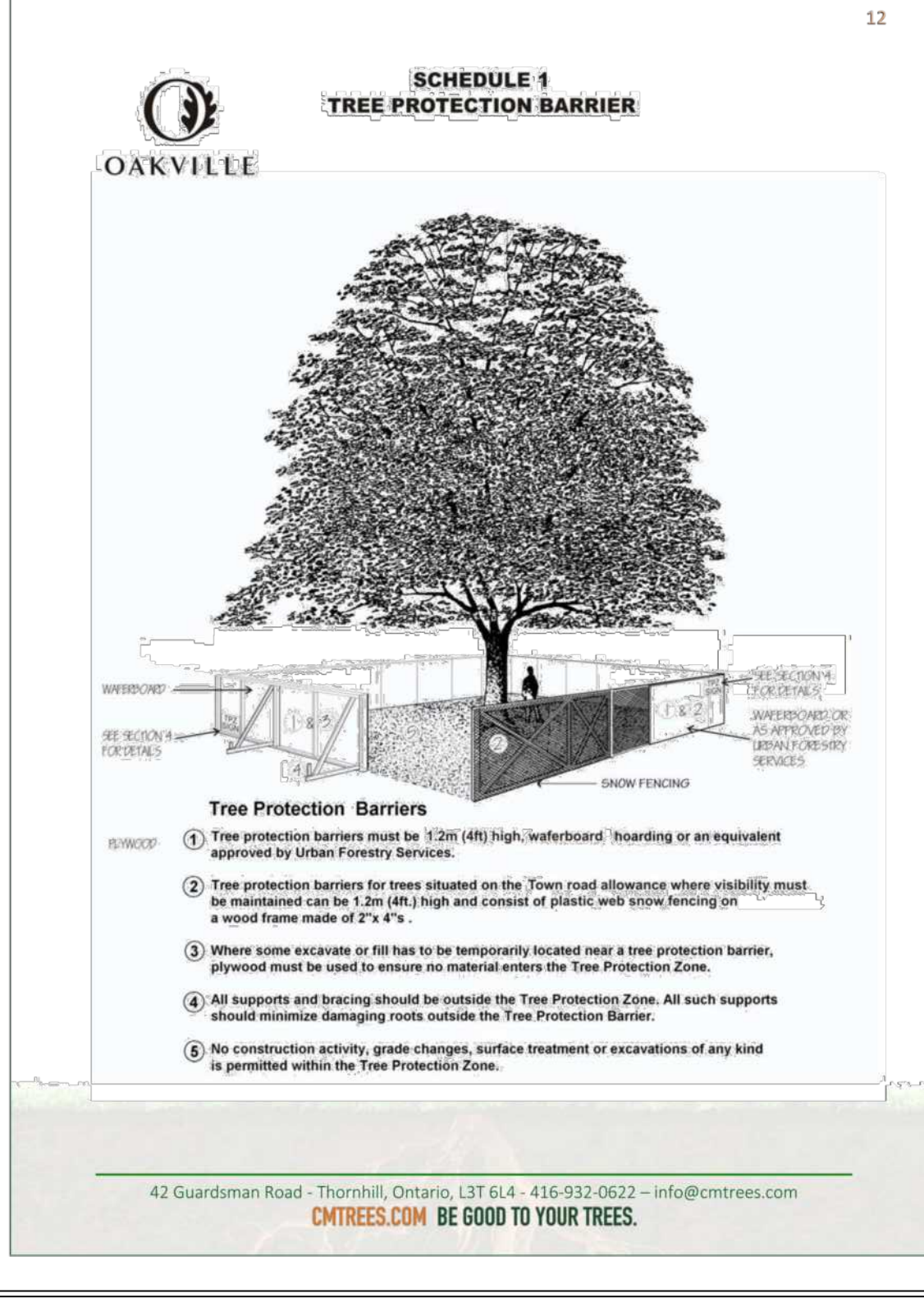
Preserved trees should be monitored by a qualified Arborist to evaluate construction injury/stress and make recommendations if necessary.

**Post-Construction Phase**  
The following tree preservation measures should occur after construction:

- Remove Tree Protection Fencing/Hoarding only after receiving permission.
- Continue watering trees if necessary.
- Supplemental soil care and fertilization if required.

**Post-Construction Monitoring**  
Construction injury to trees may not be immediately apparent and could take several years to become evident. All preserved trees should be inspected by a qualified Arborist on a semi-annual basis for a period of up to 2 years to monitor any tree health related issues as they occur and take appropriate measures.

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**Development application guidelines** ■ Canopy cover plan and canopy calculation chart

**CANOPY CALCULATION CHART TEMPLATE**

Submit a separate chart for on-site condition and for setbacks (municipal right-of-way)  
[R] Reference direction for completing canopy coverage plan and chart

FILE NUMBER: \_\_\_\_\_  
FILE NAME: \_\_\_\_\_

CANOPY COVER TARGET [1] 20 % (based on land use)

Tree #	Species	Stature (S.M.L.) [2]	Soil Volume per Tree (m³) [2]	Canopy Area (m²) [2]	Canopy Area Sub-total (m²)
<b>Proposed Canopy On Site</b>					
1-3	TBD	M	25	236	
4-11	TBD	M	30	528	
12	TBD	L	30	154	
13-15	TBD	M	28	314	
16-20	TBD	M	17	383	
Subtotal of proposed canopy					1715
<b>Existing Canopy On Site [4]</b>					
Subtotal of existing canopy					
multiplied by bonus factor of 1.5					
<b>Existing Canopy Overhanging Site [4]</b>					
Subtotal of existing overhanging canopy					
Total # of Trees					20
Total Canopy Area (m²)					1715
<b>Canopy Summary</b>					
Total Site Area					10,337 sq ft
Site Canopy Cover					17 %
Canopy Cover Target by Land Use [1]					20 %
<b>Parking Area Summary [5]</b>					
Total Parking Spaces Proposed					0
Total # of Trees in or within 5m of Parking Area					0

3 JUL2016 OAKVILLE

**Development application guidelines** ■ Canopy cover plan and canopy calculation chart

**CANOPY CALCULATION CHART TEMPLATE**

Submit a separate chart for on-site condition and for setbacks (municipal right-of-way)  
[R] Reference direction for completing canopy coverage plan and chart

FILE NUMBER: \_\_\_\_\_  
FILE NAME: \_\_\_\_\_

CANOPY COVER TARGET [1] 20 % (based on land use)

Tree #	Species	Stature (S.M.L.) [2]	Soil Volume per Tree (m³) [2]	Canopy Area (m²) [2]	Canopy Area Sub-total (m²)
<b>Proposed Canopy On Site</b>					
21-23	TBD	L	24-30	1388	
34	TBD	L	30	154	
36	TBD	L	30	154	
Subtotal of proposed canopy					1694
<b>Existing Canopy On Site [4]</b>					
5	S	30	28		
35	S	30	7		
Subtotal of existing canopy					35
multiplied by bonus factor of 1.5					53
<b>Existing Canopy Overhanging Site [4]</b>					
Subtotal of existing overhanging canopy					
Total # of Trees					16
Total Canopy Area (m²)					1747
<b>Canopy Summary</b>					
Total Site Area					10,337 sq ft
Site Canopy Cover					17 %
Canopy Cover Target by Land Use [1]					20 %
<b>Parking Area Summary [5]</b>					
Total Parking Spaces Proposed					0
Total # of Trees in or within 5m of Parking Area					0

3 JUL2016 OAKVILLE

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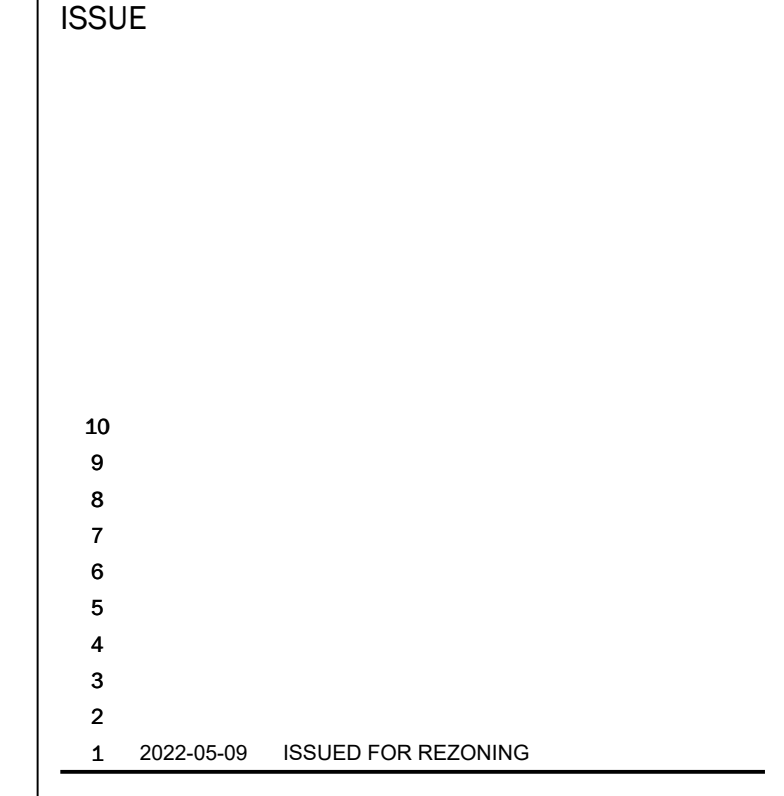
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**LEGEND**

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- PROPOSED DECIDUOUS TREE
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- SEAT BENCH
- TREE PIT WITH GRATE
- SCULPTURAL SEATING

**ISSUE**

NO.	DATE	DESCRIPTION
1	2022-05-09	ISSUED FOR REZONING



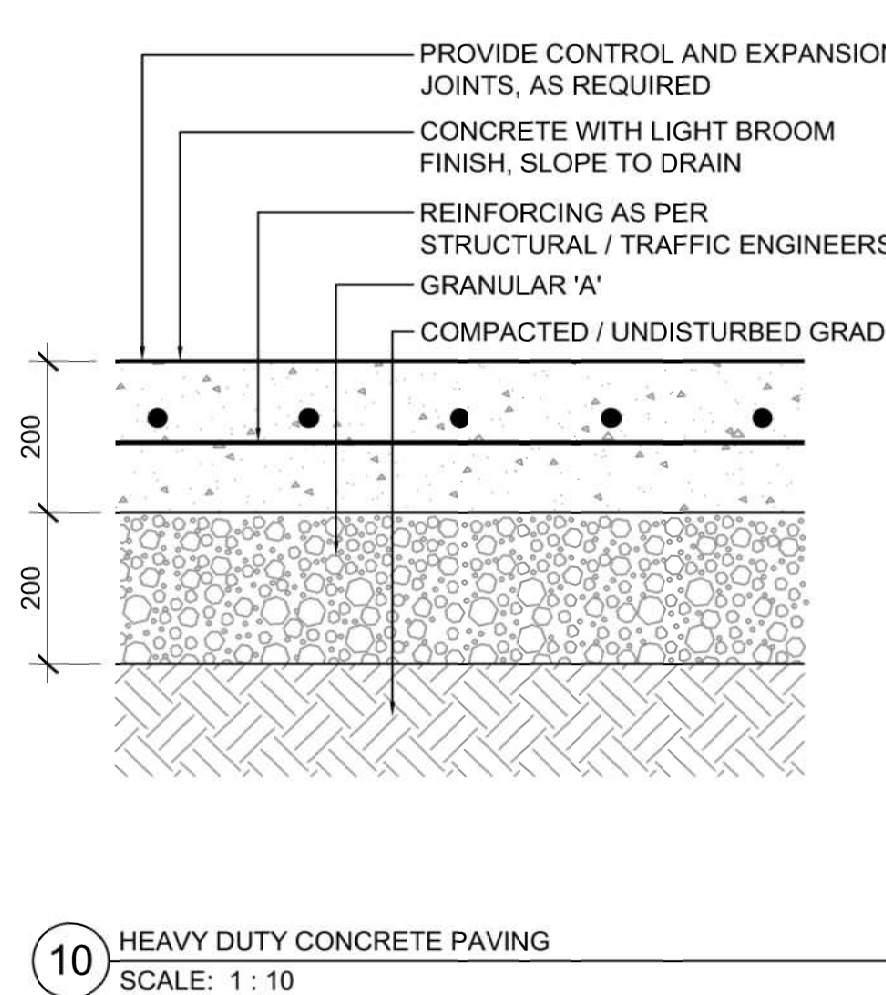
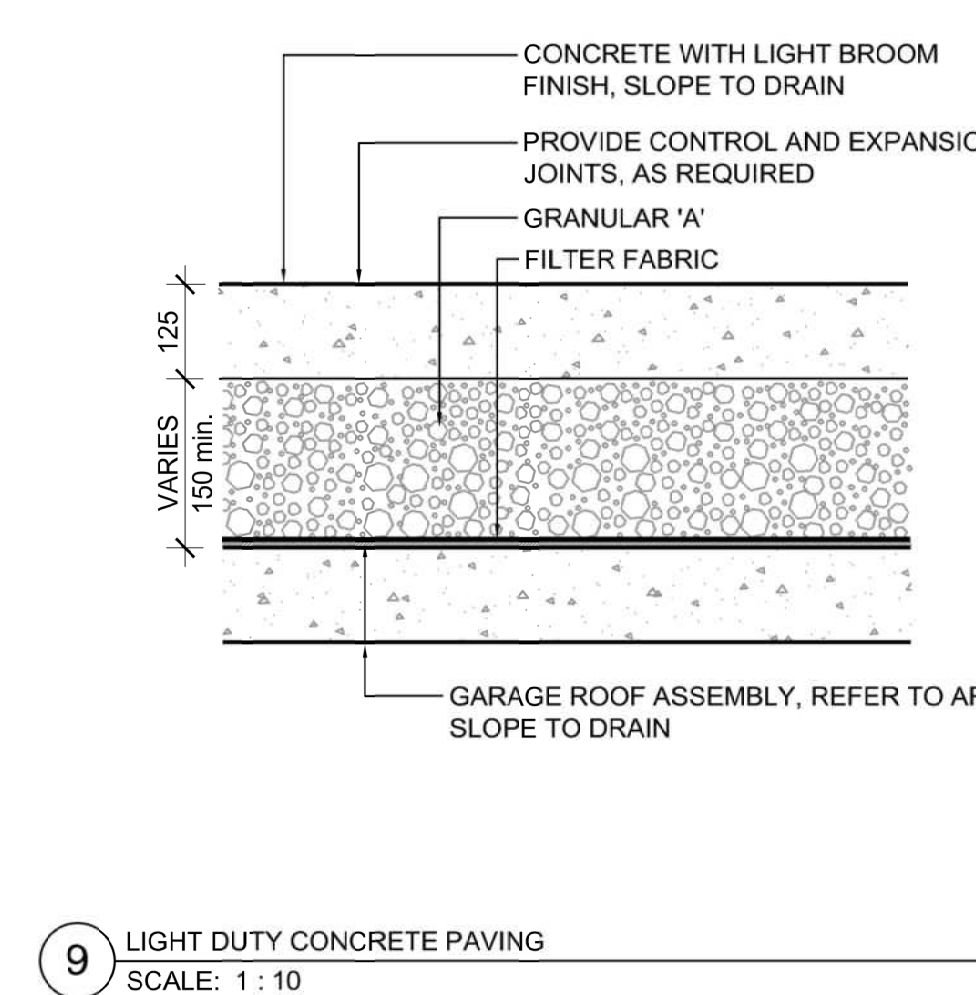
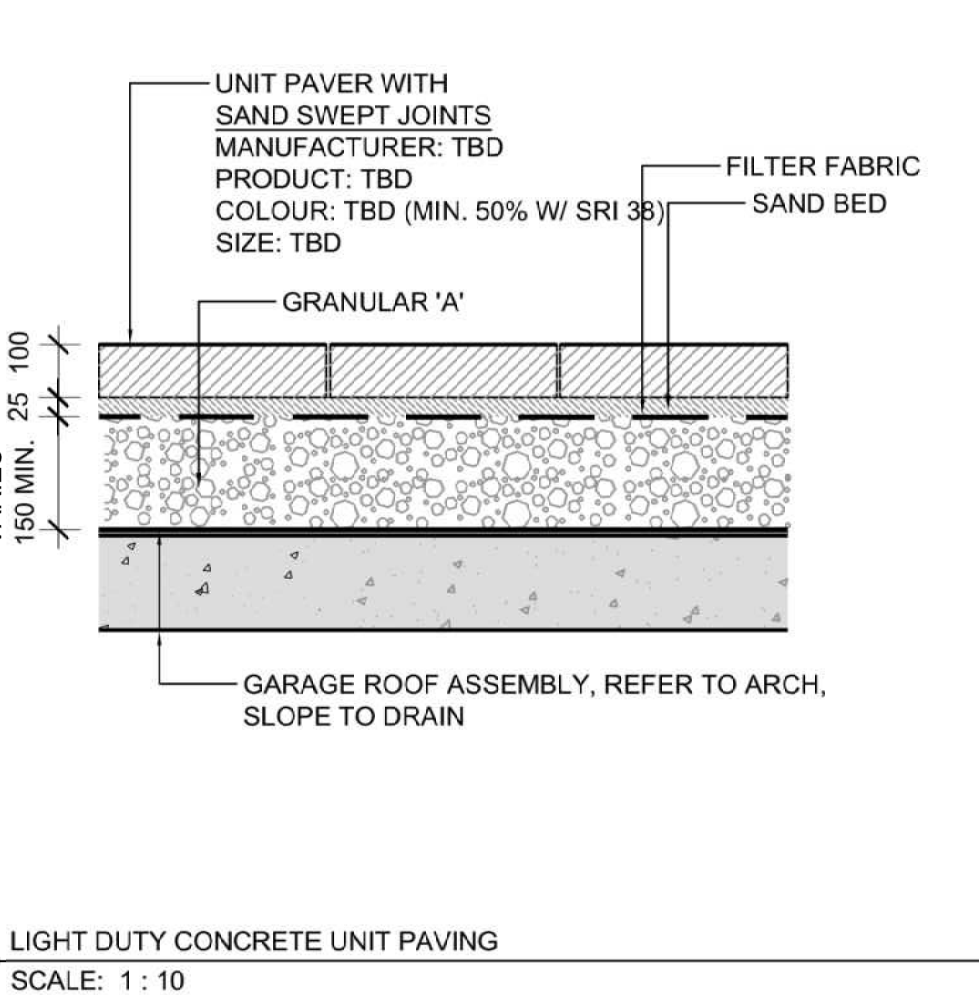
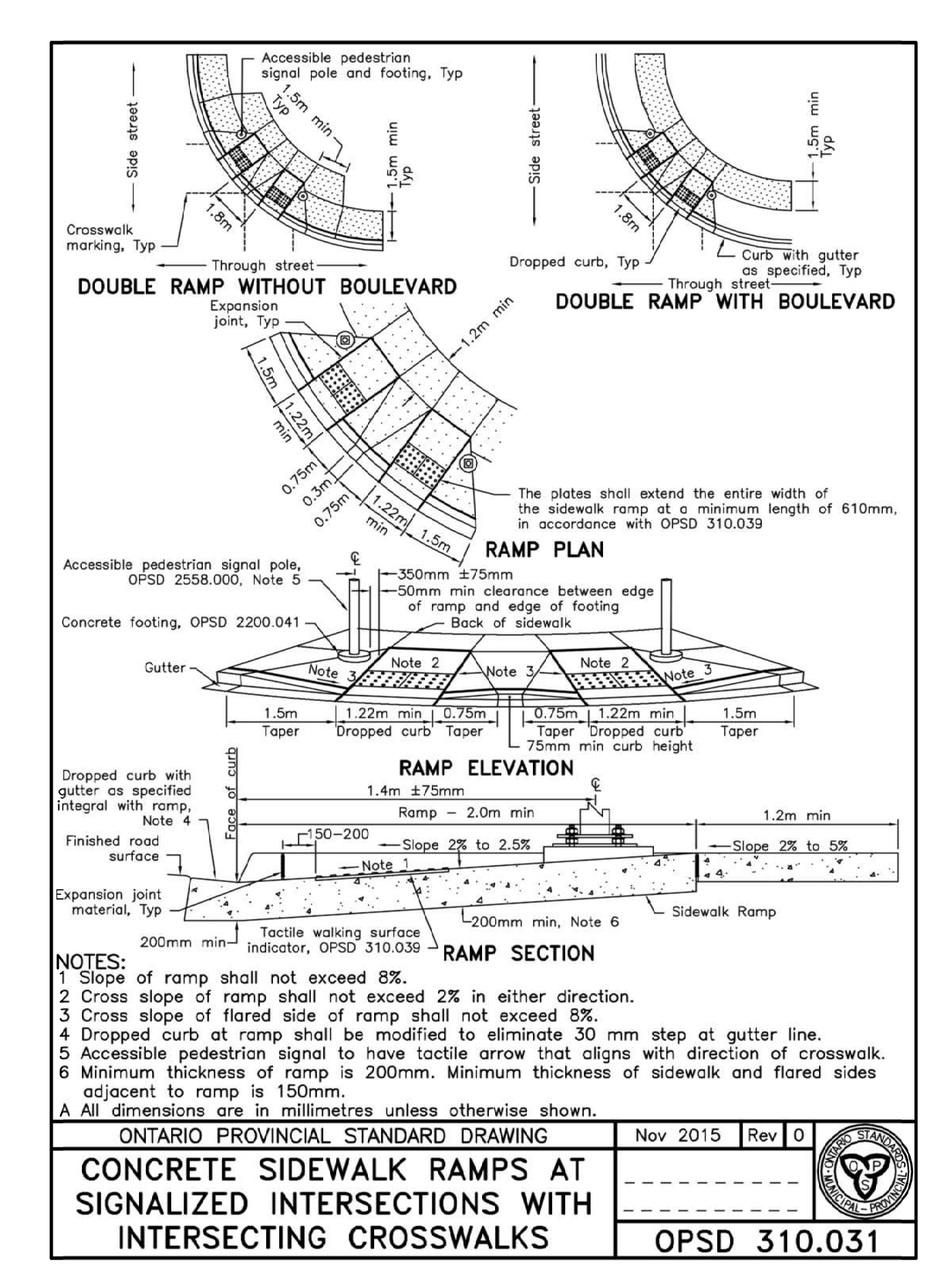
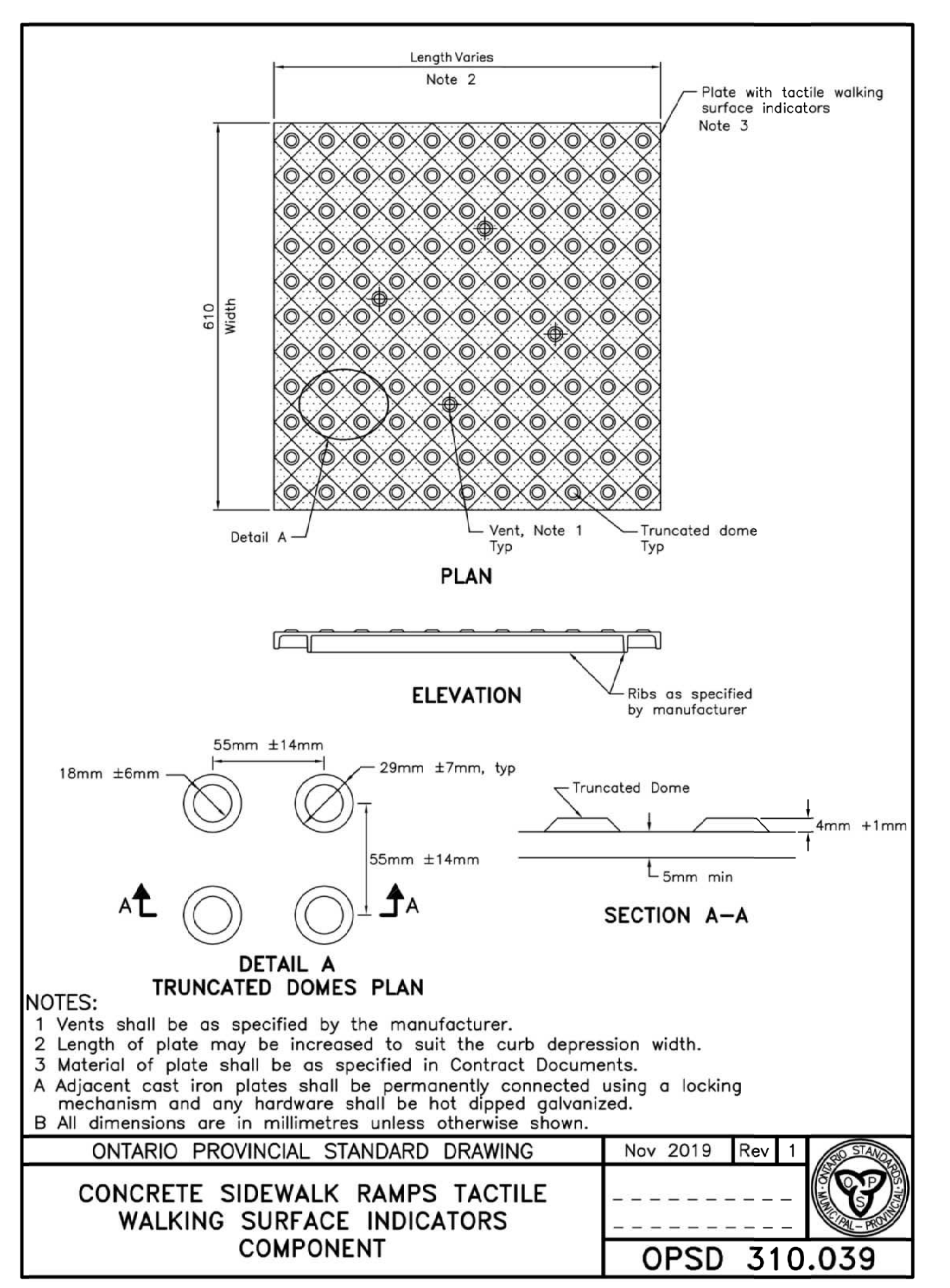
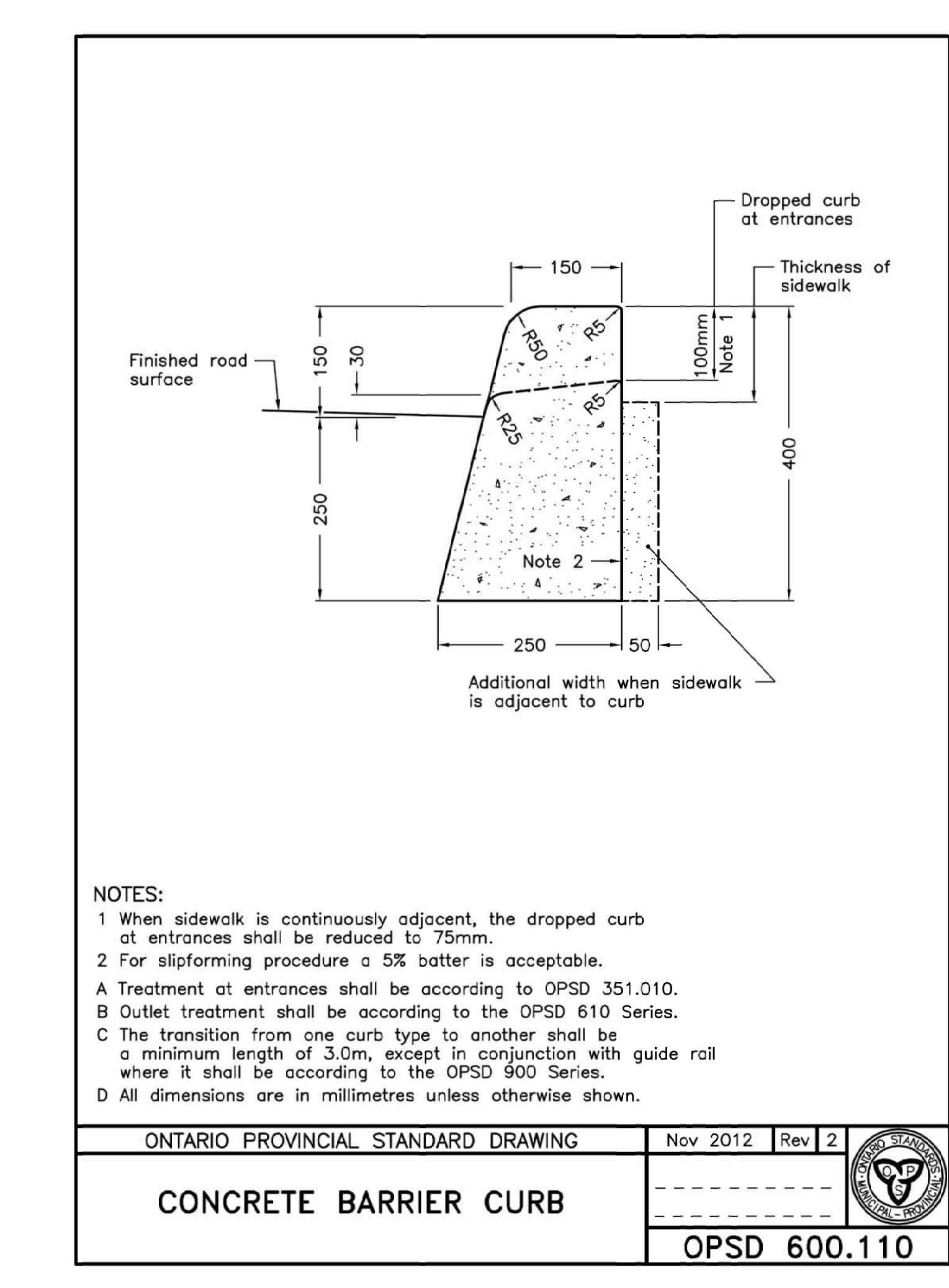
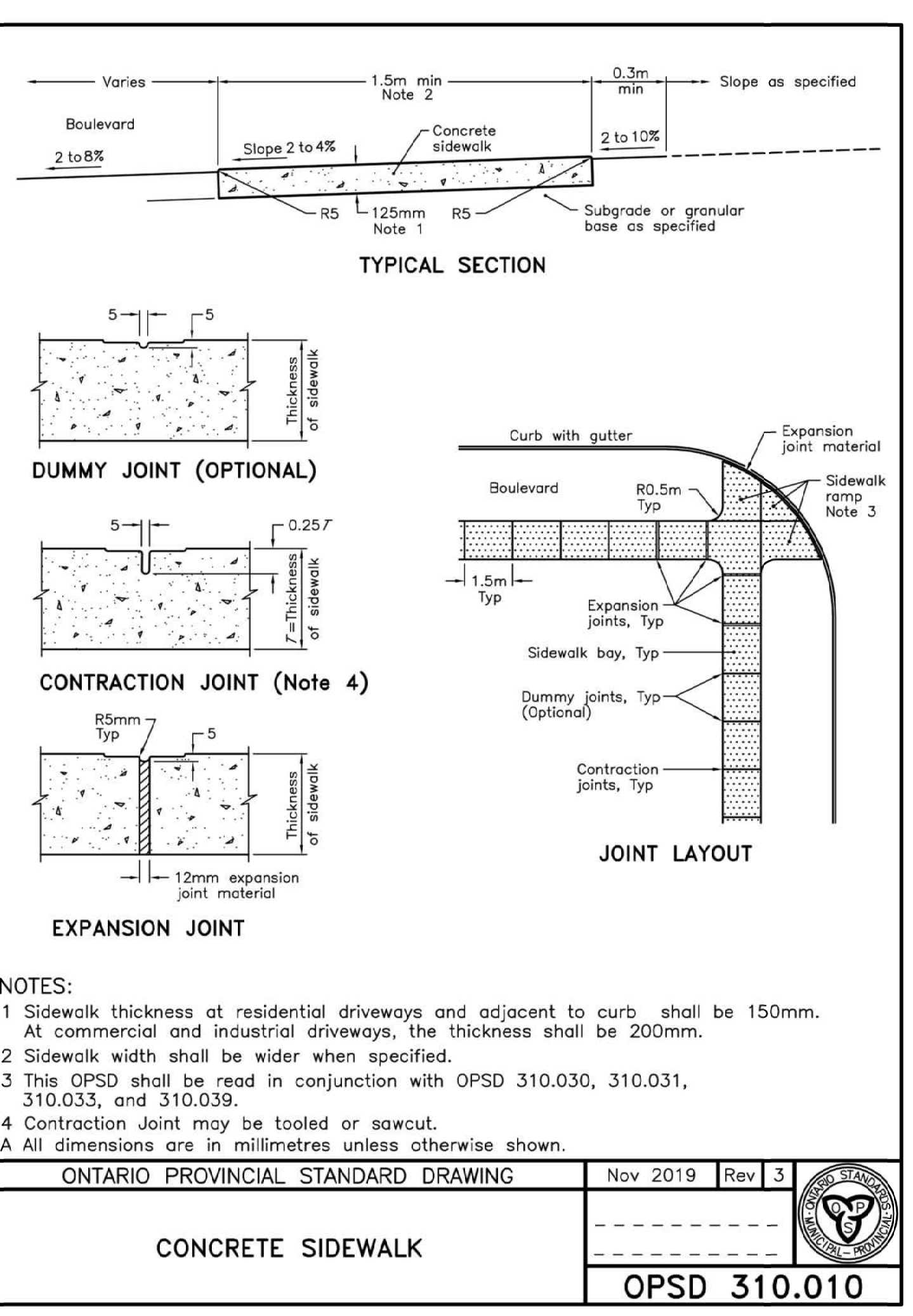
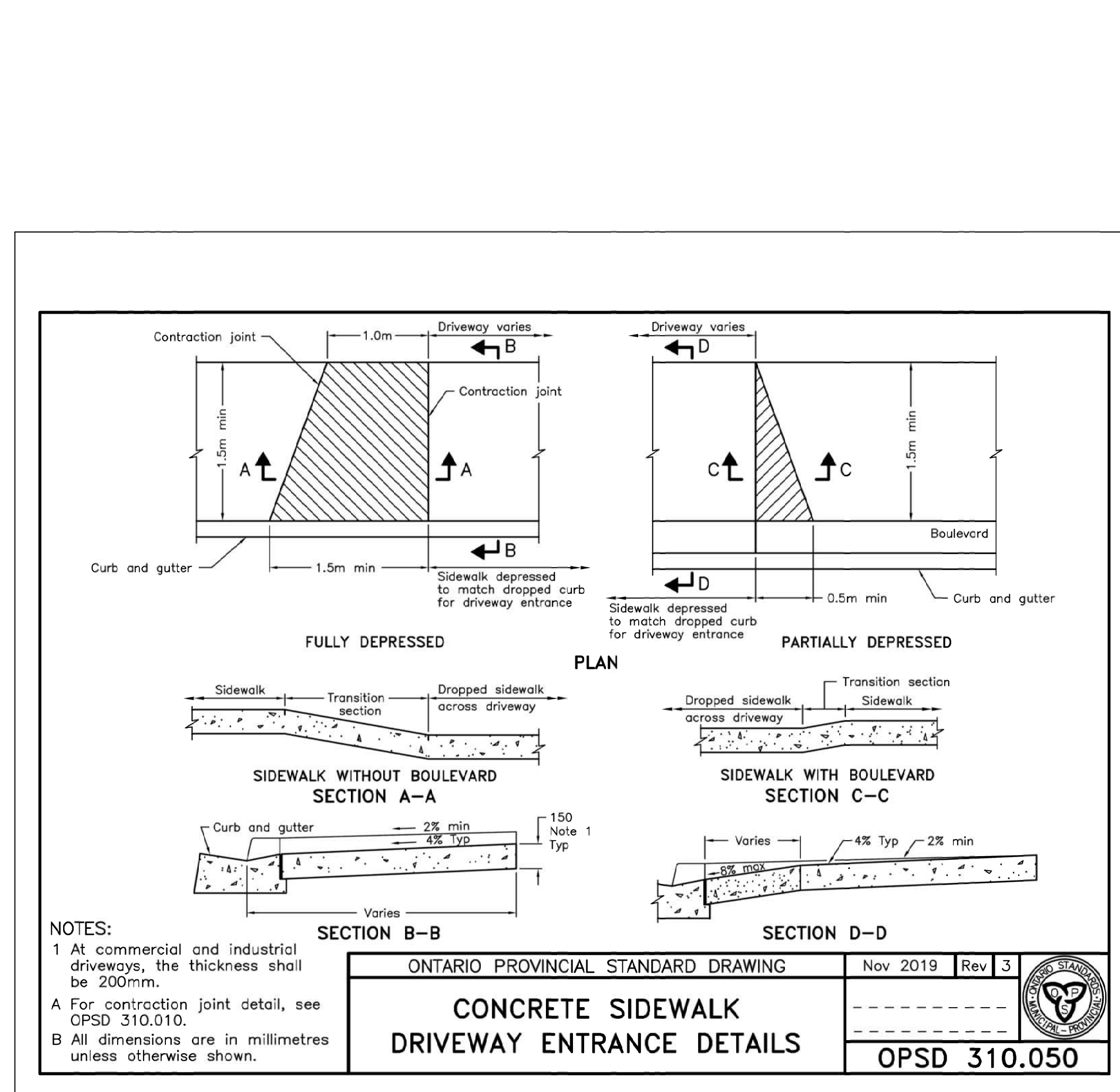
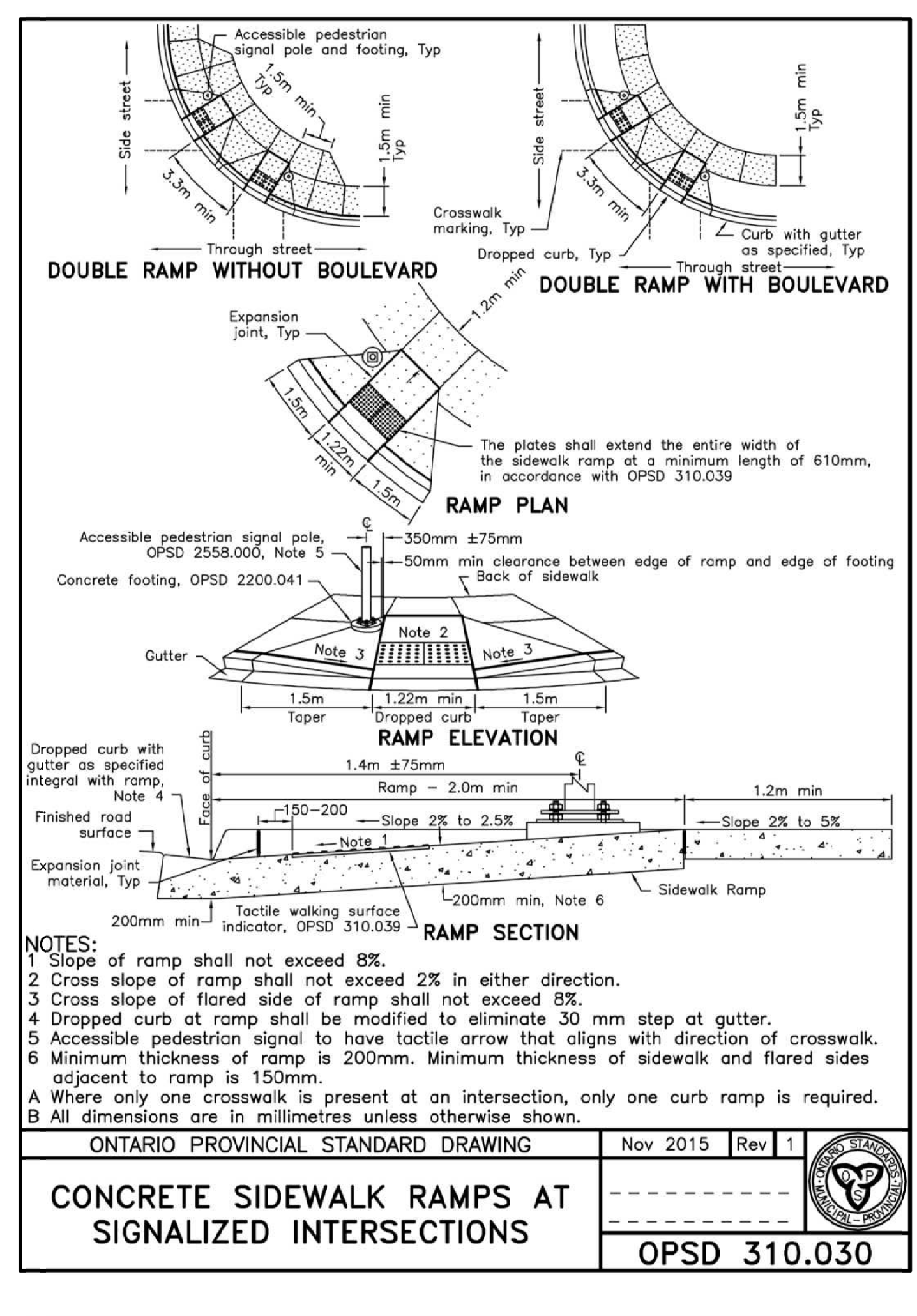
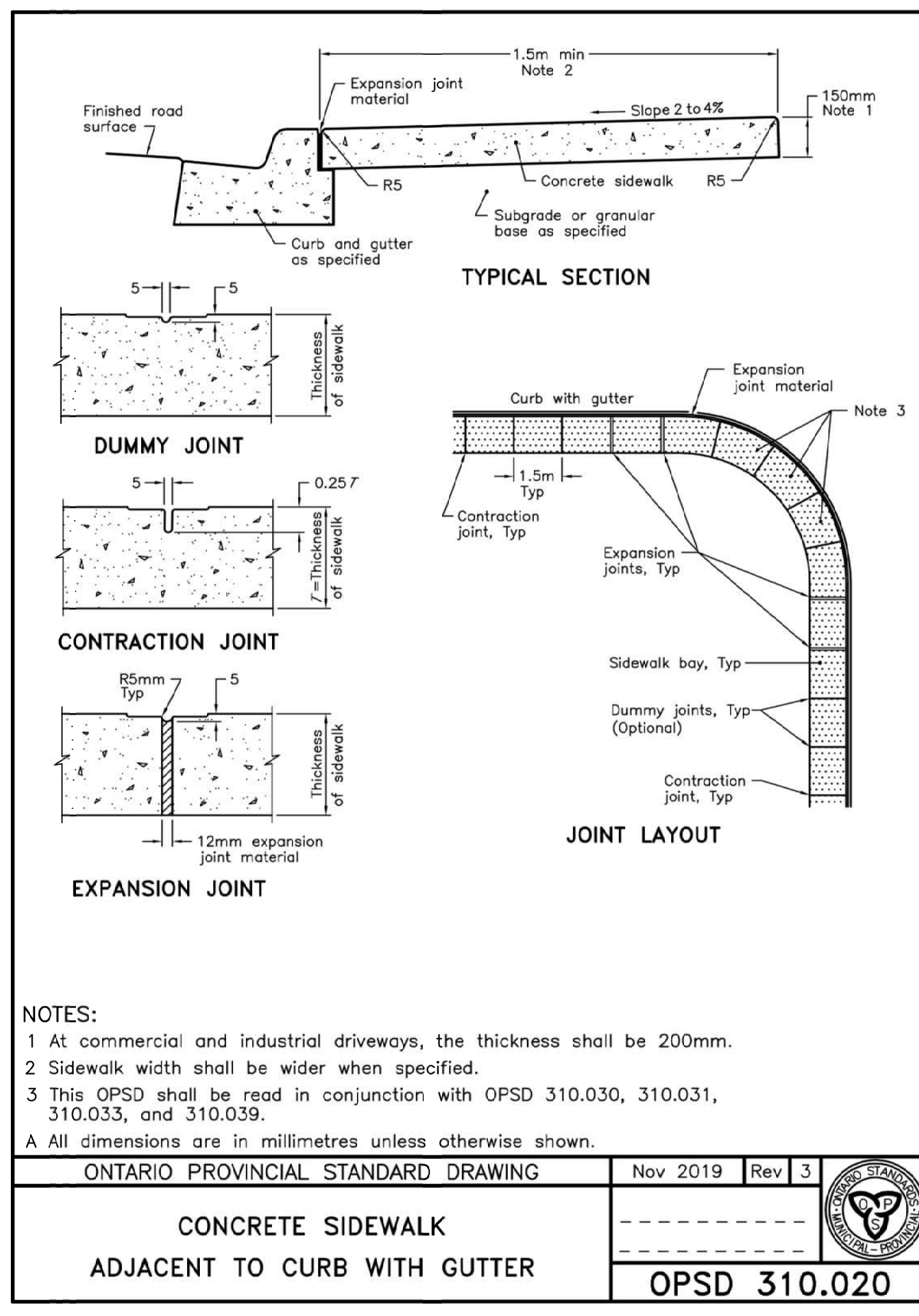
**DISTRIKT**

CROSS AVENUE & ARGUS ROAD  
OAKVILLE, ONTARIO

**SOIL VOLUME AND CANOPY COVER PLAN**

SCALE: 1:200  
DRAWN: LR  
CHECKED: GH  
PROJECT NUMBER: 21-026  
DRAWING DATE: 2021-11-20

**L101**



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**LEGEND**

**ISSUE**

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2	2022-05-09 ISSUED FOR PERIZING
1	2022-03-18 ISSUED FOR CO-ORDINATION



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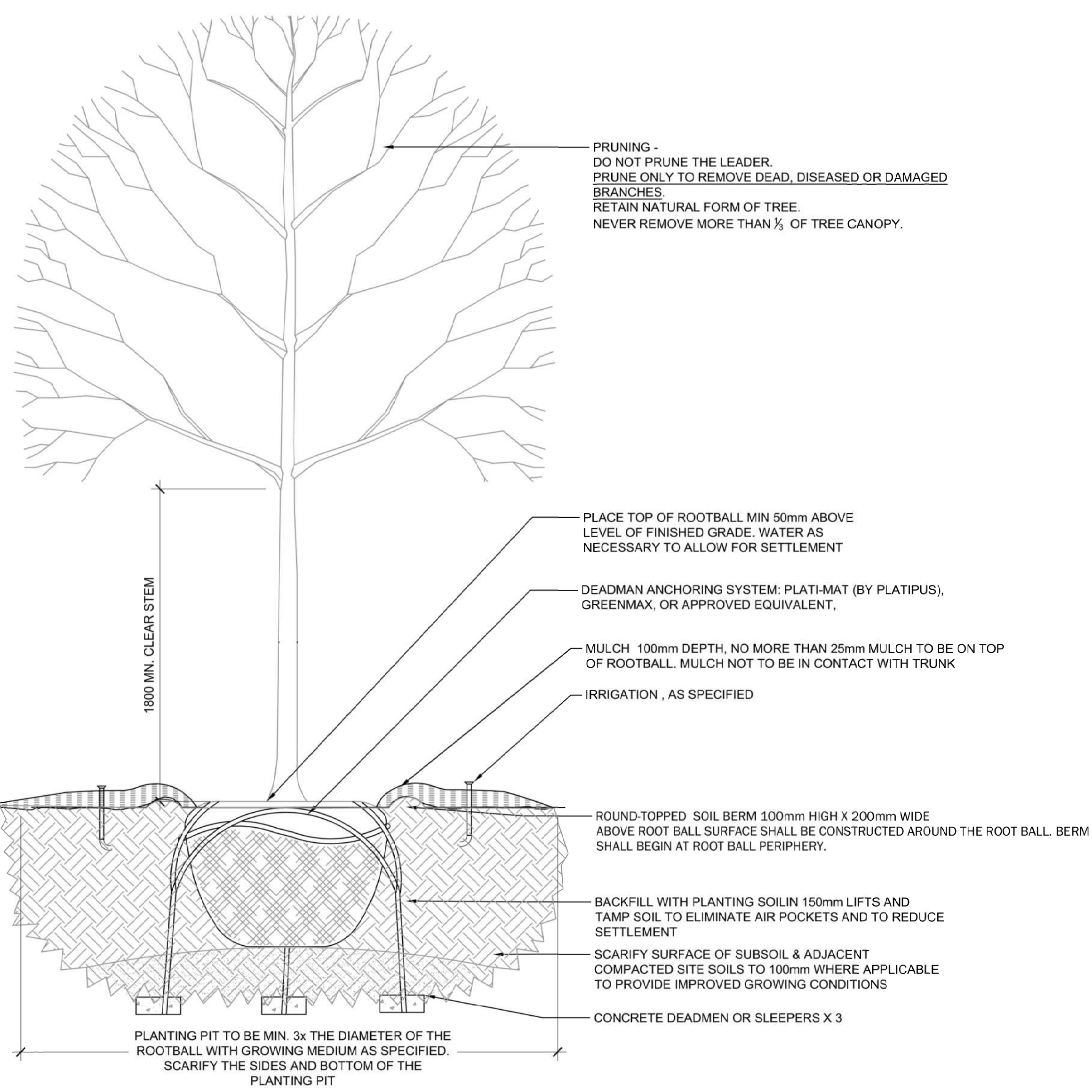
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**CROSS AVENUE & ARGUS ROAD**  
OMALLEE, ONTARIO

**LANDSCAPE DETAILS**

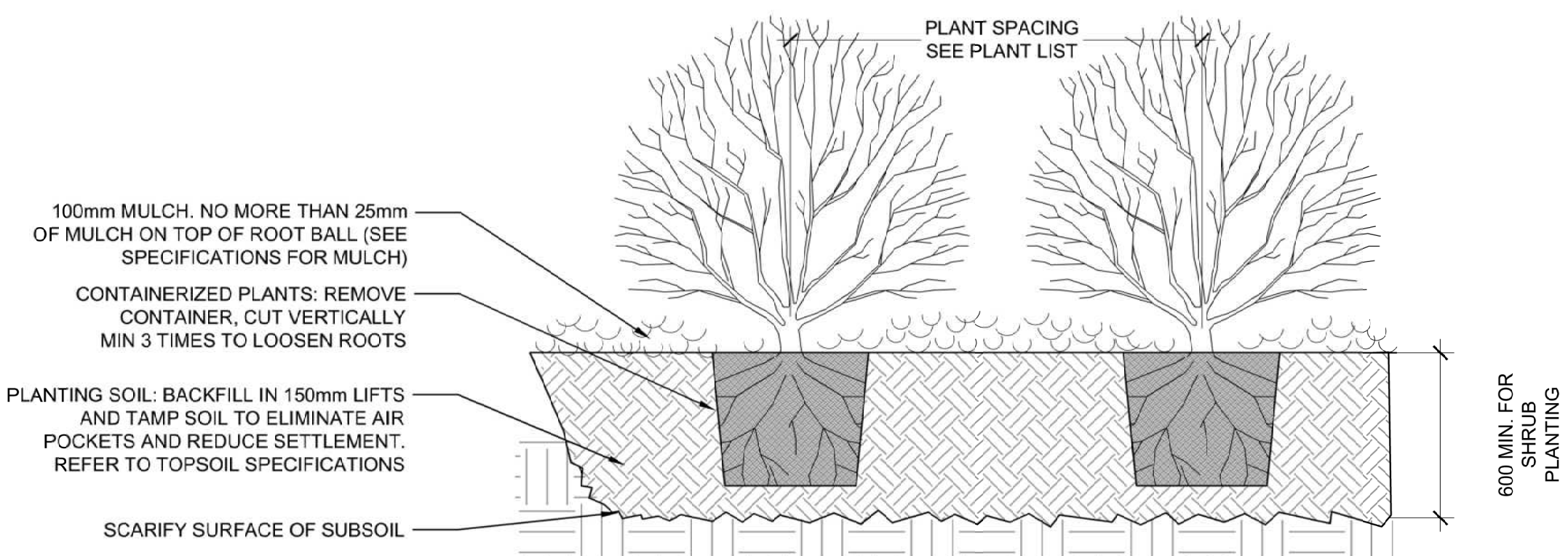
SCALE: AS SHOWN  
DRAWN: LR  
CHECKED: GH  
PROJECT NUMBER: 21-028  
DRAWING DATE: 2022-03-18

**L500**



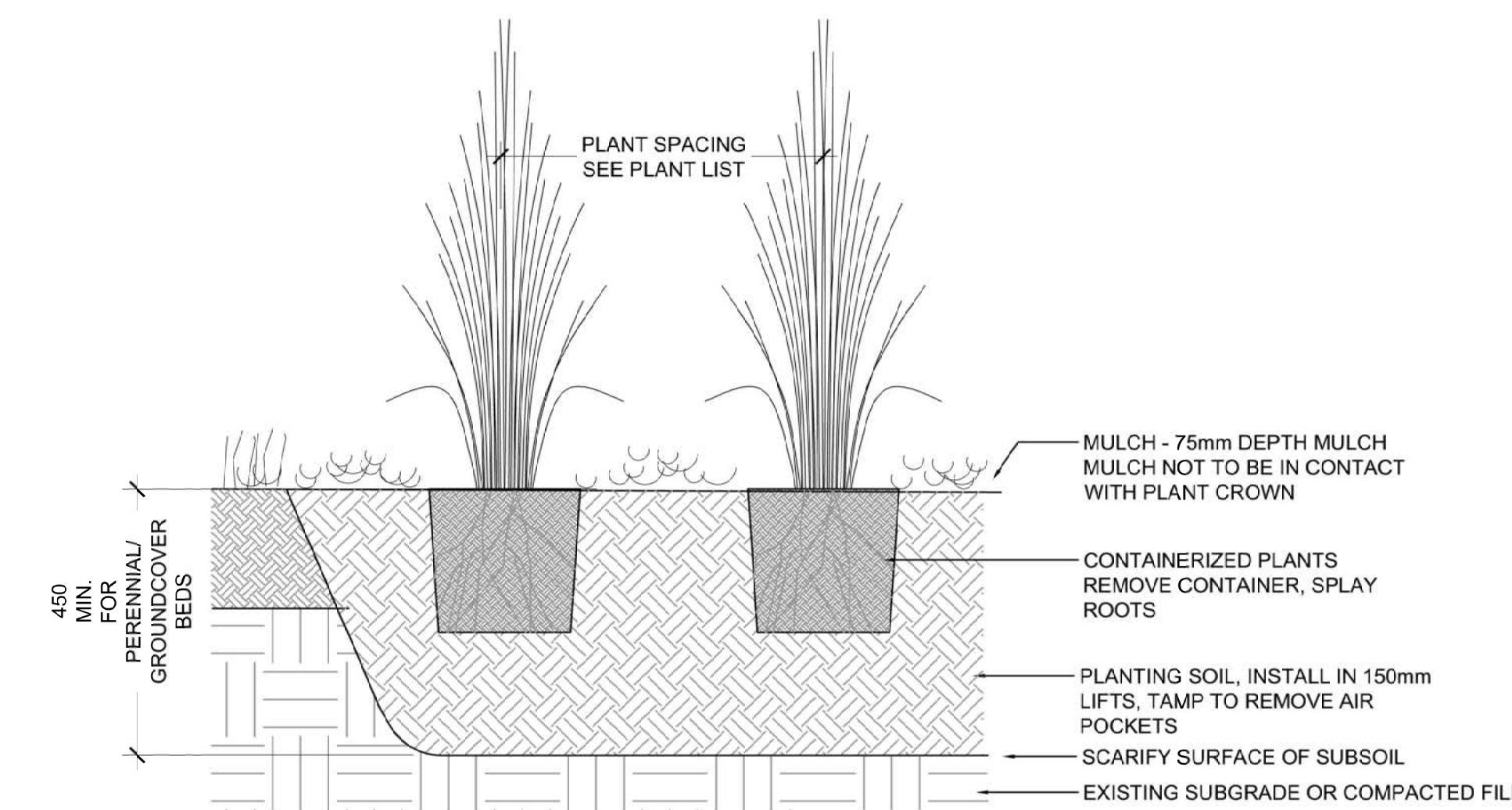
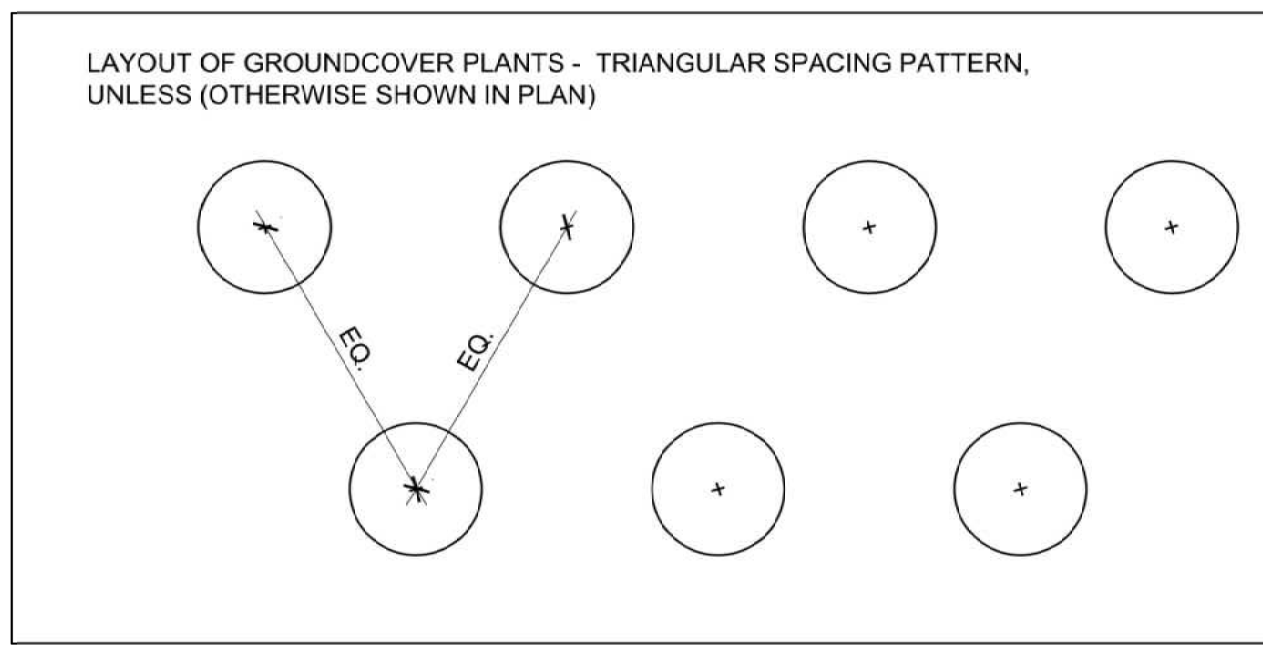
- NOTES:
1. CROWN OF ROOT BALL SHALL BEAR THE SAME RELATION TO FINISHED GRADE AS IT DID TO PREVIOUS GRADE.
  2. TREE CALIPER MEASURED AT 150mm ABOVE GRADE.
  3. THE ABOVE DETAIL DOES NOT REPRESENT ANY PARTICULAR SPECIES.
  4. REMOVE ARBOR TIES AND STAKES AT END OF WARRANTY PERIOD OR ONE GROWING SEASON, WHICHEVER COMES FIRST.
  5. TREE GATOR TO BE SUPPLIED/INSTALLED FOR ANY TREE IN NON-IRRIGATED AREA.
  6. SEE SPECIFICATIONS FOR FURTHER INFORMATION RELATED TO THIS DETAIL.

**1** DECIDUOUS TREE PLANTING ON PRIVATE PROPERTY  
SCALE: NTS

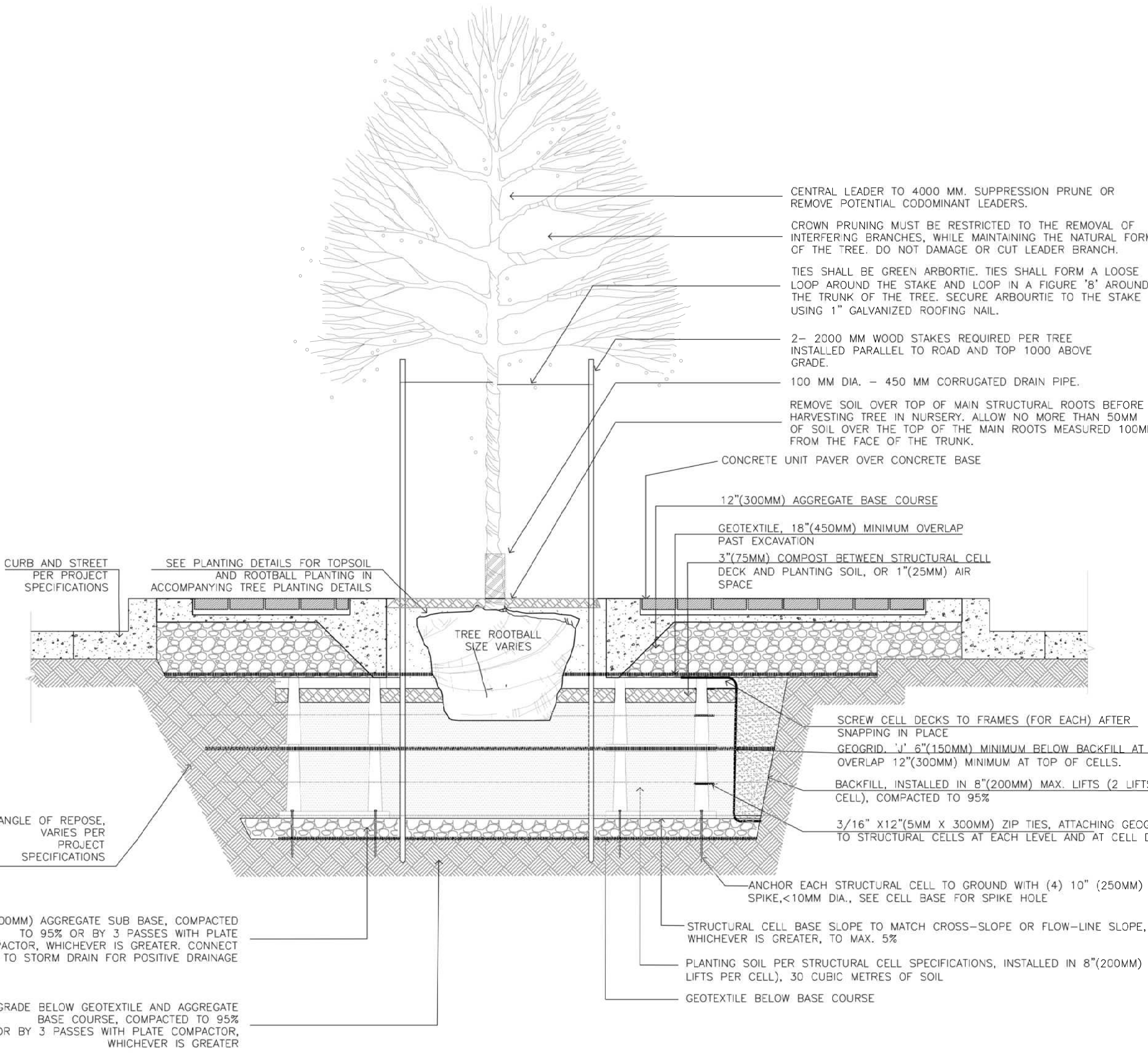
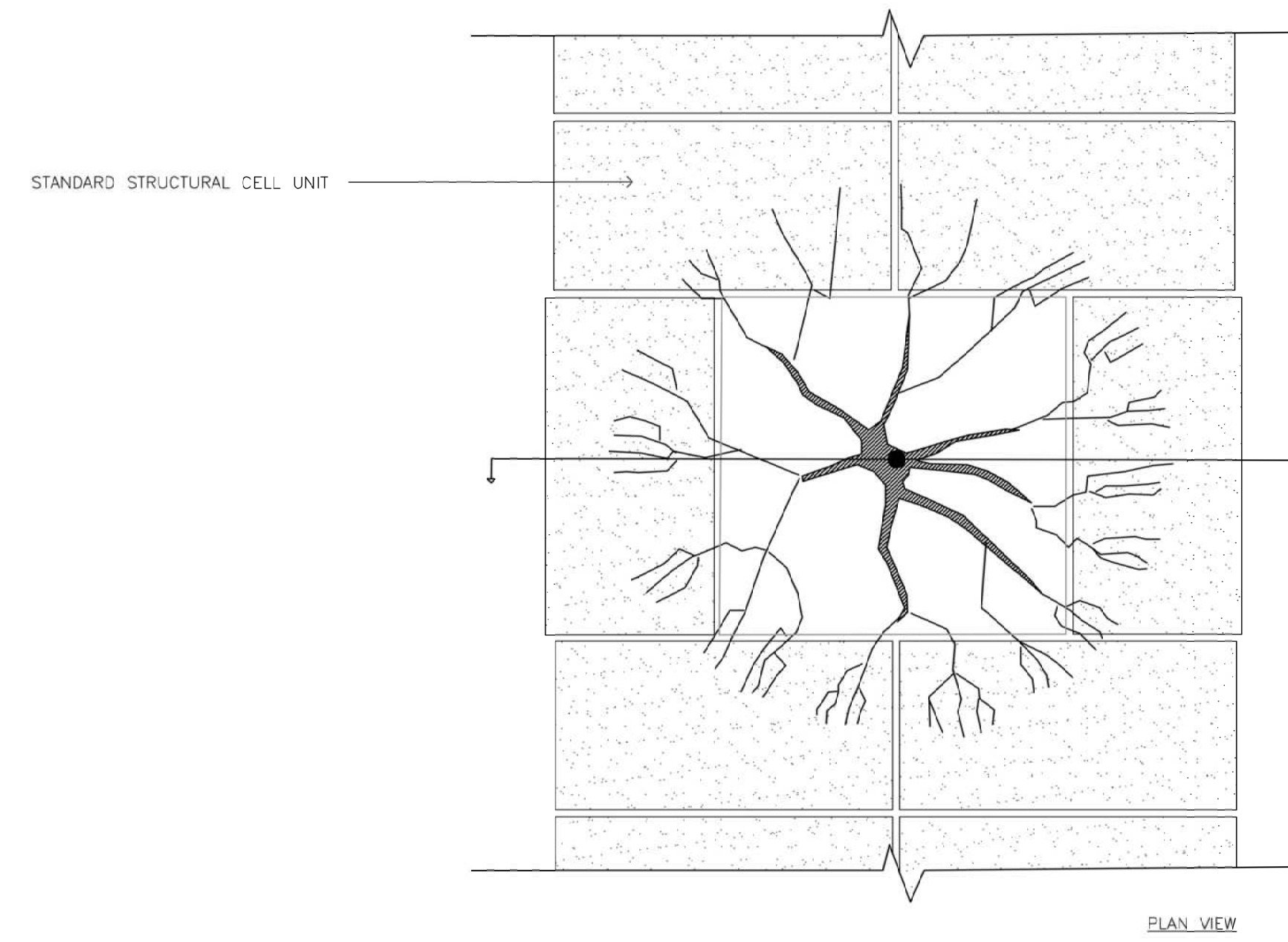


- NOTES:
- FINISH GRADE AROUND PLANT TO BE THE SAME AS ORIGINAL GRADE OF PLANT IN POT.
  - SHRUBS PLANTED IN GROUPS SHALL BE SET IN CONTINUOUS BEDS.
  - THE ABOVE DETAIL DOES NOT REPRESENT ANY PARTICULAR SPECIES.

**2** SHRUB PLANTING - TYP.  
SCALE: NTS



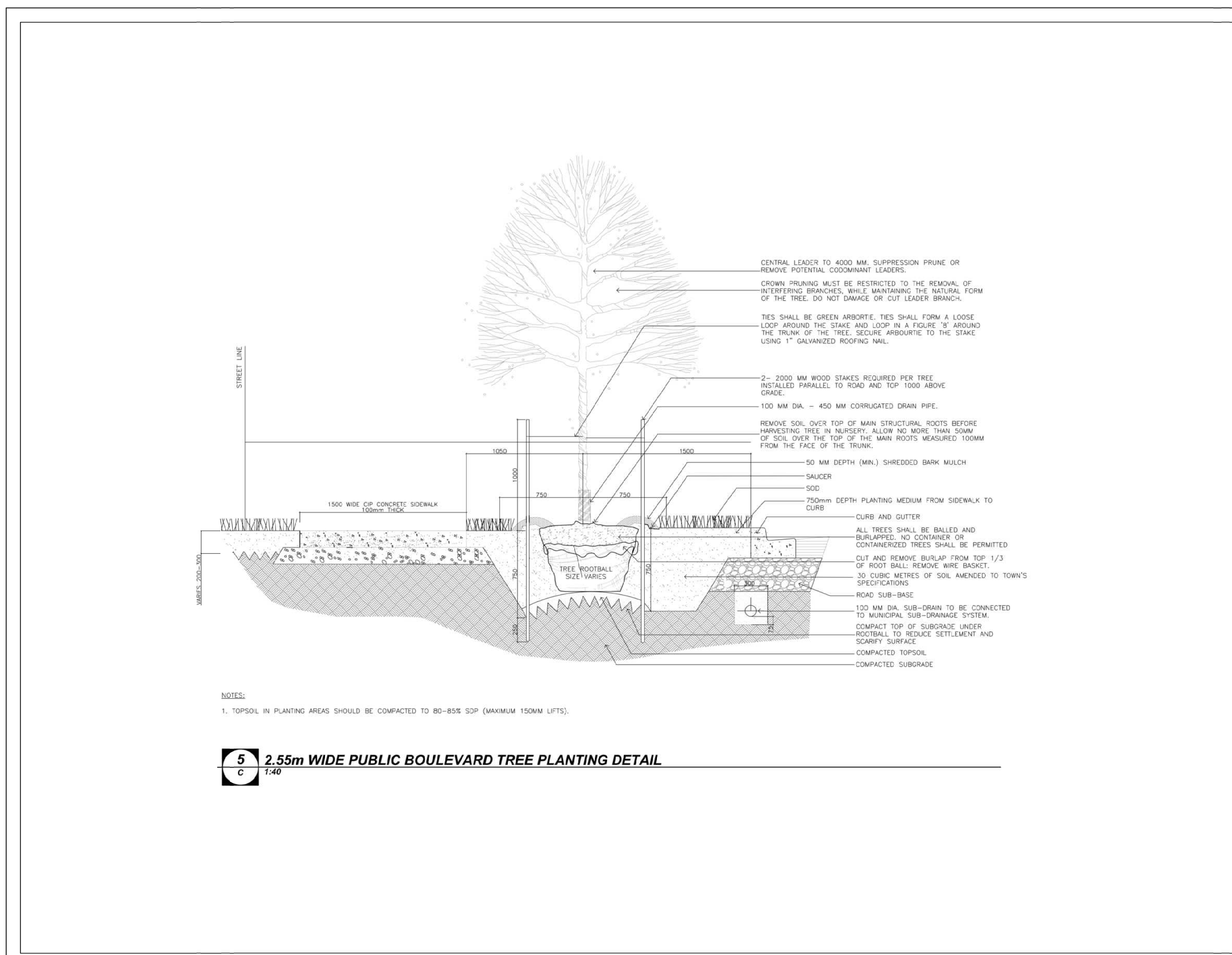
**3** HERBACEOUS PLANTING - TYP.  
SCALE: NTS



- NOTES:
1. TOPSOIL IN PLANTING AREAS SHOULD BE COMPACTED TO 80-85% SPD.

**4** TREE PLANTING IN TYPICAL STREETSCAPE, USING STRUCTURAL CELLS  
SCALE: NTS

**4** TREE PLANTING IN PUBLIC BOULEVARD USING STRUCTURAL CELL CELLS  
SCALE: NTS



- NOTES:
1. TOPSOIL IN PLANTING AREAS SHOULD BE COMPACTED TO 80-85% SPD (MINIMUM 100MM LIFTS).

**5** 2.55m WIDE PUBLIC BOULEVARD TREE PLANTING DETAIL  
SCALE: NTS

**5** TREE PLANTING IN PUBLIC BOULEVARD (TYP.)  
SCALE: NTS

**SCHEDULE 1**  
**TREE PROTECTION BARRIER**

**Tree Protection Barriers**

1. Tree protection barriers must be 1.2m (4ft) high, waferboard boarding or an equivalent approved by Urban Forestry Services.
2. The protection barrier for trees situated on the Town road allowance where visibility must be maintained can be 1.2m (4ft) high and consist of plastic web knee fencing on a wood frame made of 2"x4"s.
3. Where some excavation or fill has to be temporarily located near a tree protection barrier, plywood must be used to ensure no material enters the Tree Protection Zone.
4. All supports and bracing should be outside the Tree Protection Zone. All such supports should minimize damaging roots outside the Tree Protection Zone.
5. No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

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**6** TREE PROTECTION FENCING  
SCALE: NTS

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**LEGEND**

**ISSUE**

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| 1  | 2022-02-28 ISSUED FOR CO-ORDINATION |



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**DISTRIKT**

**CROSS AVENUE & ARGUS ROAD**

ONKVILLE, ONTARIO

**LANDSCAPE DETAILS**

SCALE: AS SHOWN  
DRAWN: LR  
CHECKED: GH  
PROJECT NUMBER: 21-008  
DRAWING DATE: 2022-03-08

**L501**