



SOUTH YONGE STREET CORRIDOR

Streetscape Master Plan Study *Update*

Phase 4B: Detailed Design Guidelines and Standards

Updated: **MARCH 9, 2023**



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INTRODUCTION

The Phase 4A Report for the 2020 SYMP Update documents titled Detailed Design Guidelines and Standards continues to build upon the foundation of a bold, sustainable and achievable concept that will create a major vibrant Main Street for York Region, as advocated in the Phase 3 Report – Streetscape Master Plan and Pre-Subway Plan. This Phase 4B Report provides further detailed design resolution of major and key streetscape elements throughout four Districts with special characters within the corridor: Yonge & Steele; Clark Station; Old Thornhill and New Thornhill.

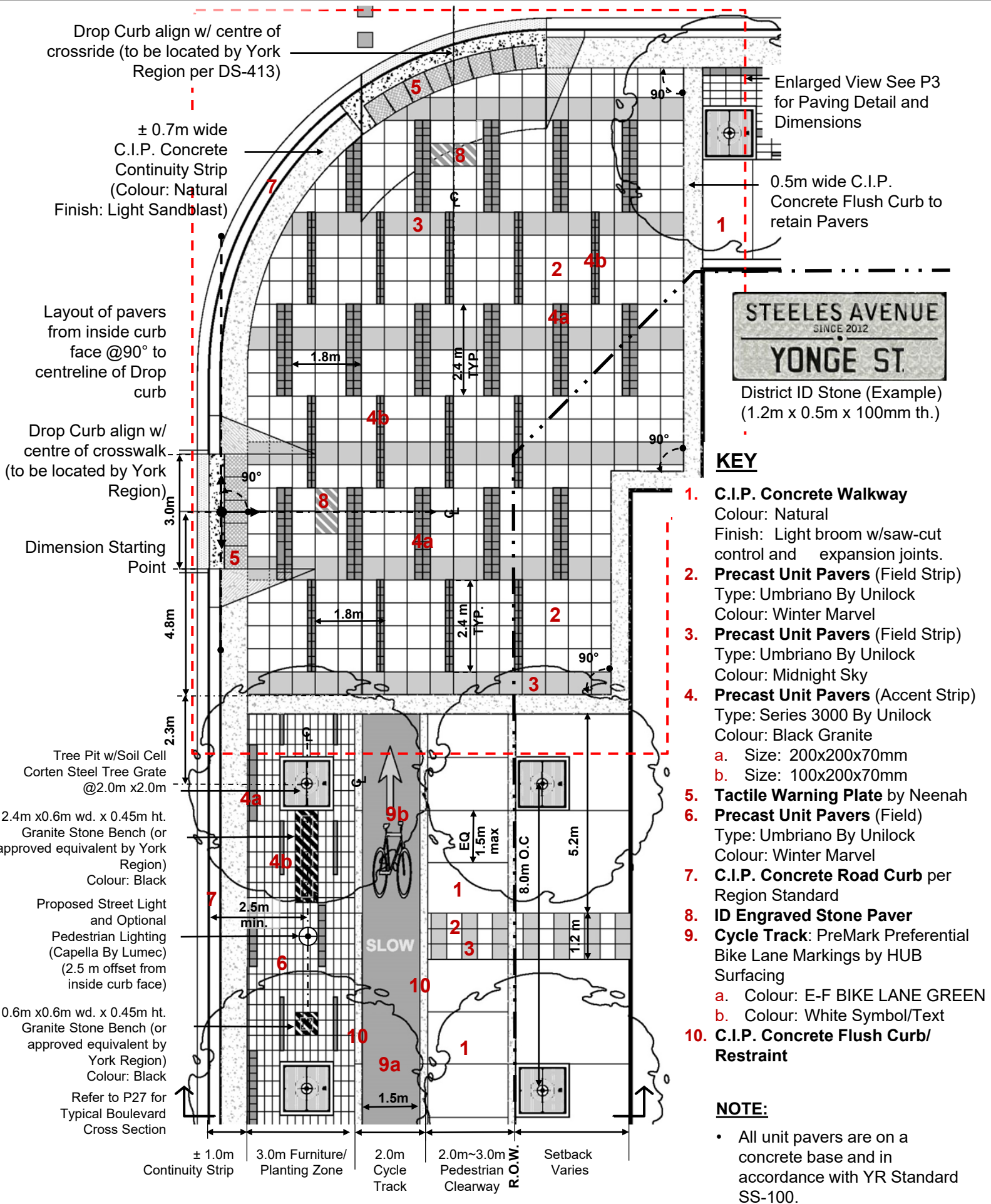
While these Streetscape Detailed Design Guidelines illustrate, in greater detail, the design intent as expressed in the Phase 4A Report, they do not replace the provision of technical construction detail specifications by design professionals for construction purposes. They are "Conceptual" to provide the following detailed guidance to development industries and local municipalities to maintain the overall spirit and integrity of the Updated Master Plan:

- Supporting documentation for the municipal planning approvals process;
- A reference and guidance for future development proposals as they relate to the proposed streetscape along the South Yonge Street Corridor;
- Guidance and framework for York Region as it considers roadway, transit and boulevard design improvements and implementation in the future.

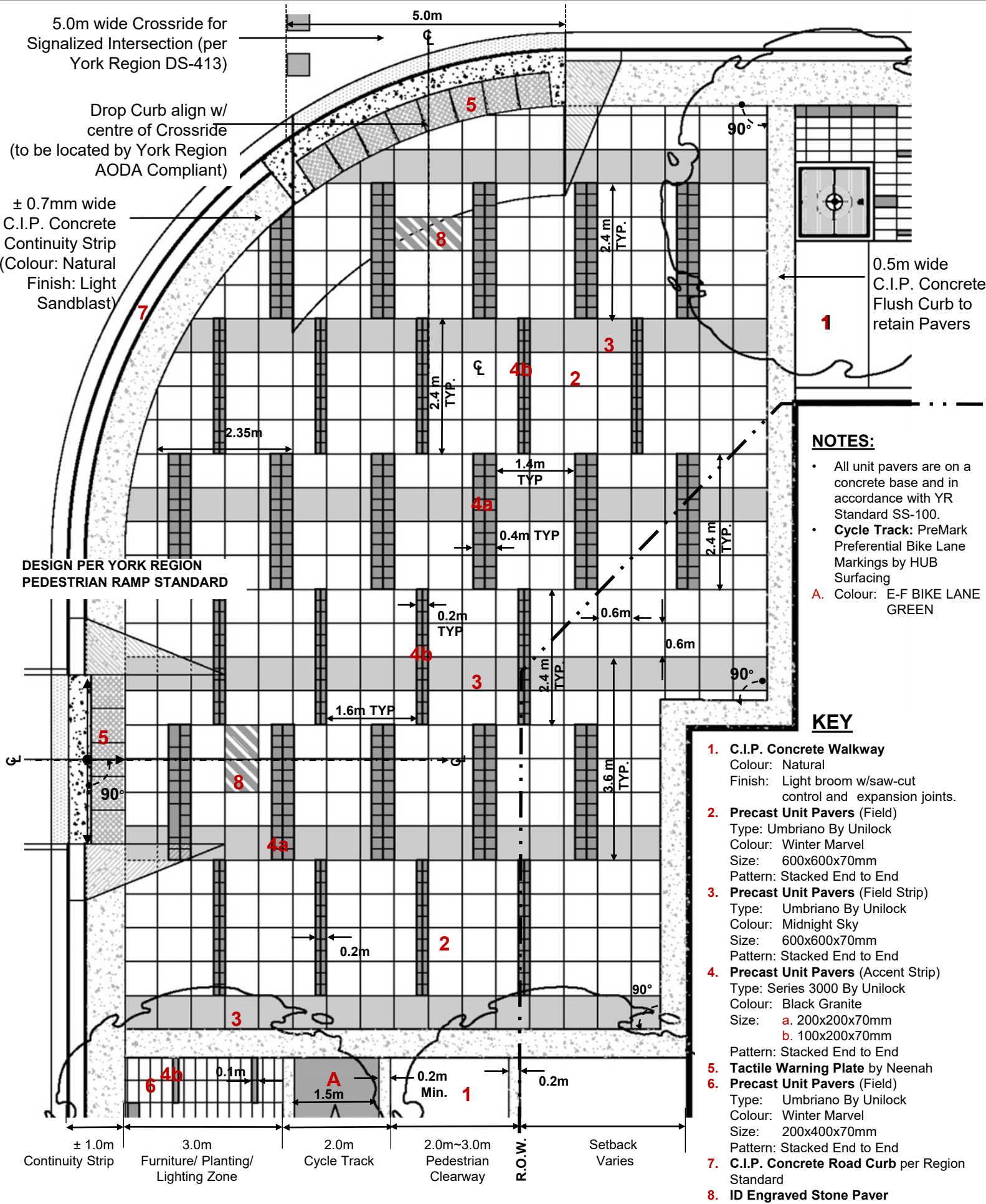
In formulating the Detailed Streetscape Design Guidelines, York Region standards will be referenced with the following design and technical decisions taken in order to provide visual and functional continuity throughout the corridor:

- **Pedestrian Walkway/Clearway Zone:** to be cast in place concrete
 - Colour: Natural
 - Finish: Light Broom
- **Continuity Strip:** Typically is C.I.P. Concrete (unless noted otherwise) at 0.7m wide
 - Colour: Natural
 - Finish: Light Sandblast
- **Cycle Track:** Application of Green Pavement as per York Region's Pedestrian and Cycling Planning and Design guidelines (2019) is recommended at high volume commercial entrances, and intersections where cyclists are most vulnerable. For majority, black asphalt paving is to be used as noted in plans.
- **Unit Pavers:** All unit pavers are installed on a concrete base and in accordance with YR Standard SS-100.
- **Granite Stone Bench:**
 - Colour: As noted on plans
 - Sizes: 2.4m x0.6m wd. x 0.45m ht. and 0.0m x0.6m wd. x 0.45m ht.
- **Lighting:** Proposed Street Lighting and Optional Pedestrian Lighting
Capella By Lumec (or approved equivalent)
- **Trees Grates:** All tree grates are to be Corten Steel
 - Size: 2.0m x2.0m
- **Trees in Planters:** All trees in planters and grates require irrigation and drainage infrastructure as per York Region Street Tree and Forest Preservation Guidelines (2018).
- **Trees planted in "Open Landscape"** require Engineered Growing Media (EGM) trenches.
- **Exiting Trees:** healthy trees to remain and be protected wherever possible.

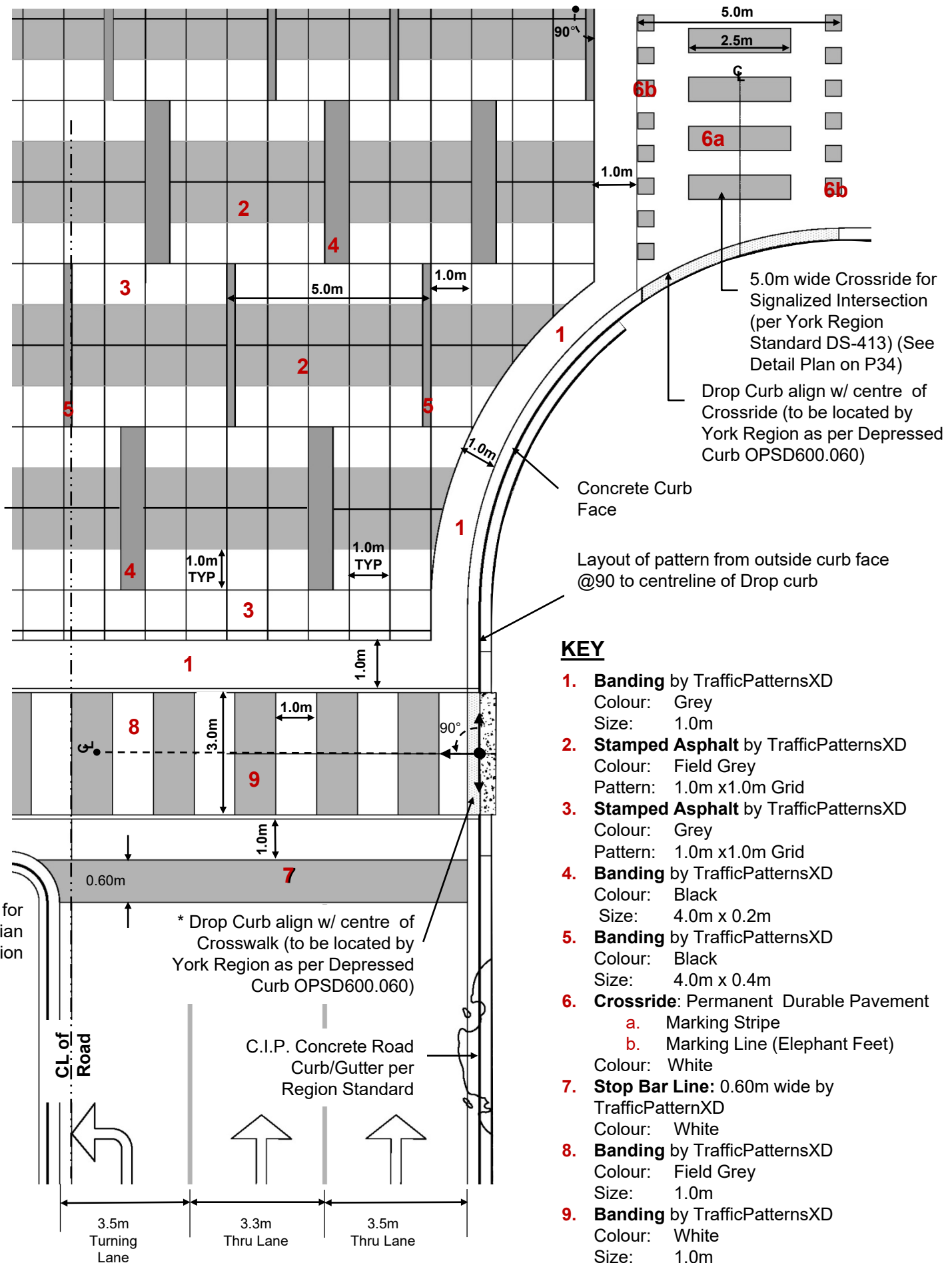
1.1 Yonge & Steeles: Major Intersection Boulevard

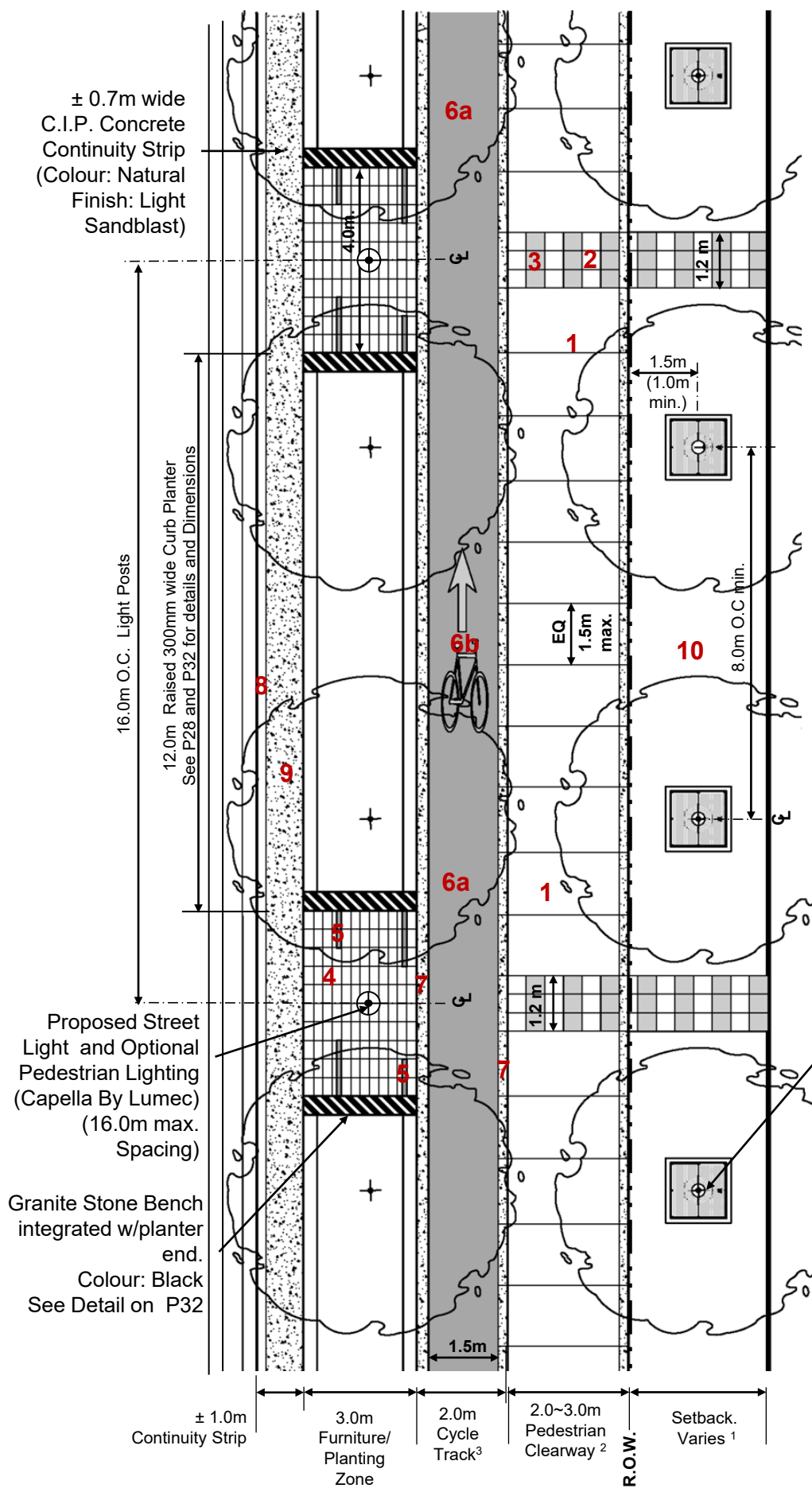


1.2 Yonge & Steeles: Detail Paving Boulevard-Enlarged View



1.3 Yonge & Steeles: Major Intersection Roadway





KEY

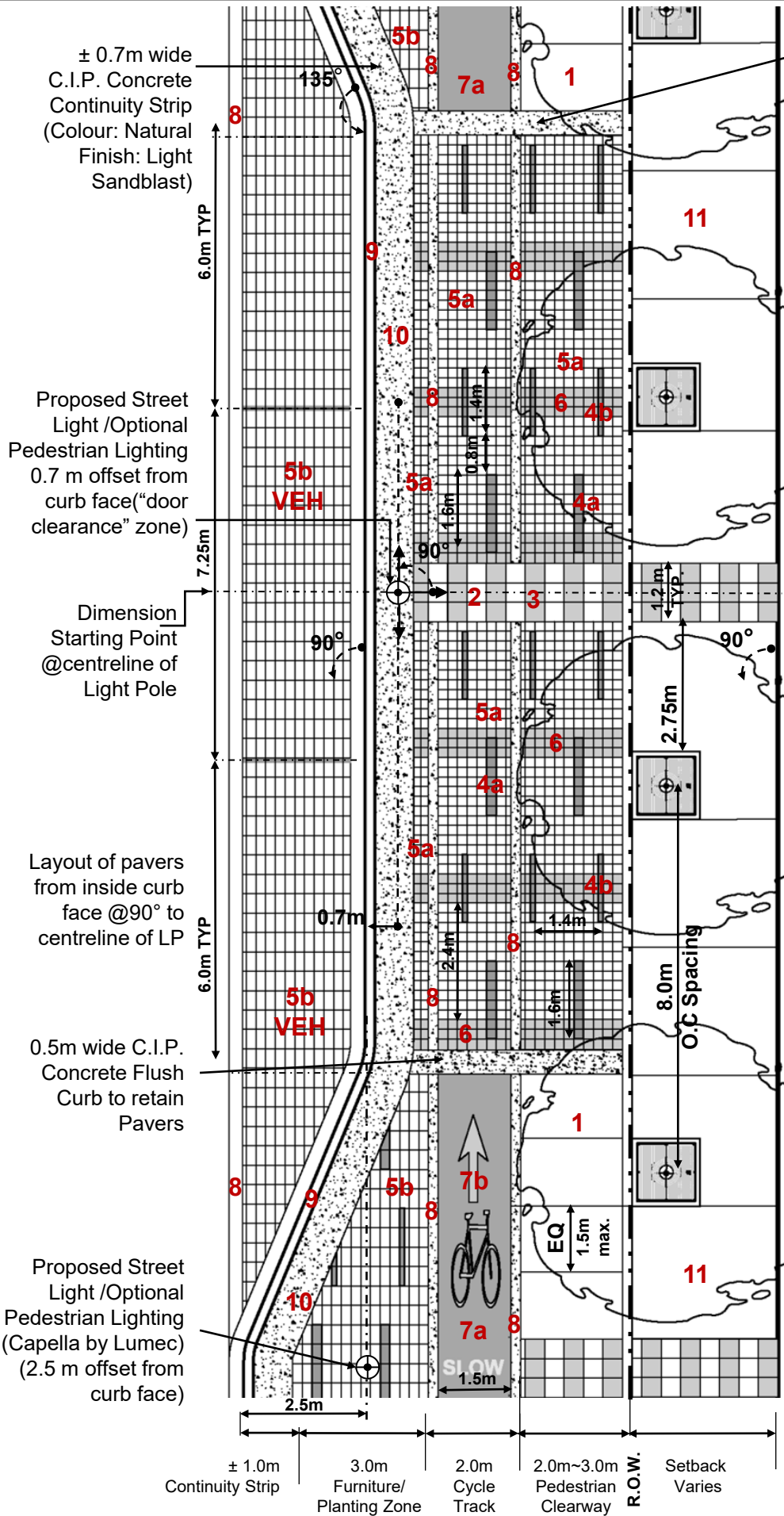
- 1. C.I.P. Concrete Walkway**
 Colour: Natural
 Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers**
 Type: Umbriano By Unilock
 Colour: Winter Marvel
 Size: 400x400x70mm
 Pattern: Stacked End to End
- 3. Precast Unit Pavers**
 Type: Umbriano By Unilock
 Colour: Midnight Sky
 Size: 400x400x70mm
 Pattern: Stacked End to End
- 4. Precast Unit Pavers (Field)**
 Type: Umbriano By Unilock
 Colour: Winter Marvel
 Size: 200x400x70mm/
 Pattern: Stacked End to End
- 5. Precast Unit Pavers (Accent Strip)**
 Type: Series 3000 By Unilock
 Colour: Black Granite
 Size: 100x200x70mm
 Pattern: Stacked End to End
- 6. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
 a. Colour: Asphalt Only
 b. Colour: White Symbol/Text
- 7. C.I.P. Concrete Flush Curb/Restraint**
- 8. C.I.P. Concrete Road Curb** per Region Standard
- 9. C.I.P. Concrete Continuity Strip**
- 10. Paving Area w/in Setback**

Proposed Tree w/ Soil Cell in hard paving surface

NOTES:

- 1 Existing, healthy trees to remain and be protected wherever possible.
- 2 The preferred width of the Pedestrian Clearway is a minimum of 3.0m. Where this is not possible, a reduction to no less than 2.0m can be considered.
- 3 A designated cycle track @2.0m max. width w/1.50m wide cycle track and having 0.2m minimum flush curb buffer/paver restraint on each side.
- 4 All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

1.5 Yonge & Steeles: Lay-by Parking



0.5m wide C.I.P. Concrete Flush Curb to retain Pavers

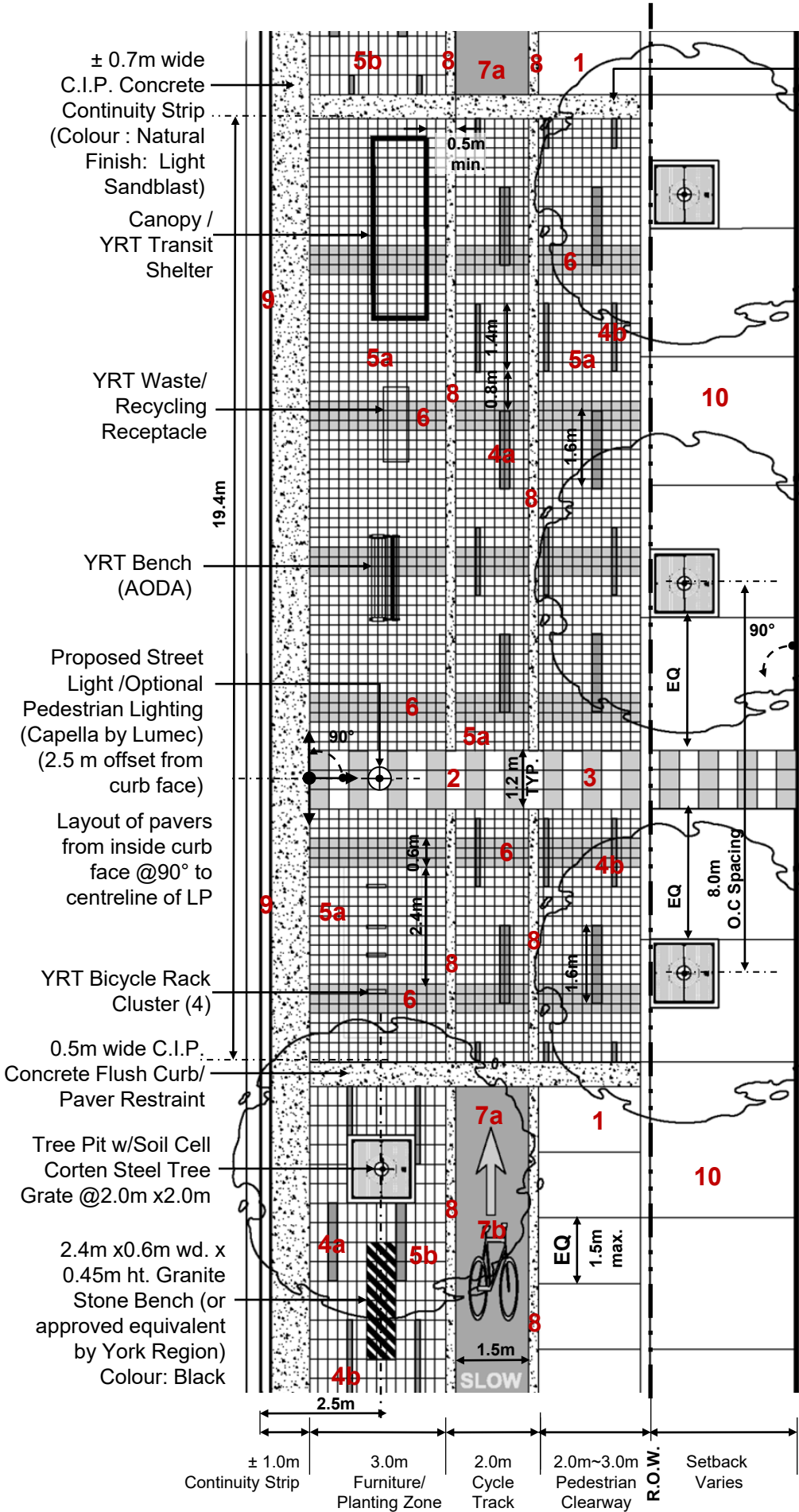
KEY

- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints.
- 2. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Winter Marvel
Size: 400x400x70mm
Pattern: Stacked End to End
- 3. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Midnight Sky
Size: 400x400x70mm
Pattern: Stacked End to End
- 4. Precast Unit Pavers (Accent Strip)**
Type: Series 3000 By Unilock
Colour: Black Granite
Size: a. 200x200x70mm/
b. 100x200x70mm
Pattern: Stacked End to End
- 5. Precast Unit Pavers (Field)**
Type: Umbriano By Unilock
Colour: Winter Marvel
Size: a. 200x200x70mm (Field)
b. 200x400x70mm
Pattern: Stacked End to End
- 6. Precast Unit Pavers (Accent Strip)**
Type: Umbriano By Unilock
Colour: Midnight Sky
Size: 200x200x70mm (Field)
Pattern: Stacked End to End
- 7. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
a. Colour: E-F BIKE LANE GREEN
b. Colour: White Symbol/Text
- 8. C.I.P. Concrete Flush Curb/ Restraint**
- 9. C.I.P. Concrete Road Curb** per Region Standard
- 10. C.I.P. Concrete Continuity Strip**
- 11. Paving Area w/in Setback**

NOTES:

- Location of on-street parking shall be assessed on a block-by block Basis.
- On-street parking lay-bys shall be configured in 3 vehicle (maximum) groupings to minimize the impact on boulevard urban design elements.
- 45-degree curb tapers with 3.0m curb radii shall be located at both ends of the designated lay-by lane.
- Provide a 0.7m minimum buffer between the layby and the cycling facilities as a "door clearance" zone. (See P31 for Lay-by Parking Cross Section)

1.6 Yonge & Steeles: Bus/Transit Stop



0.5m wide C.I.P. Concrete Flush Curb to retain Pavers

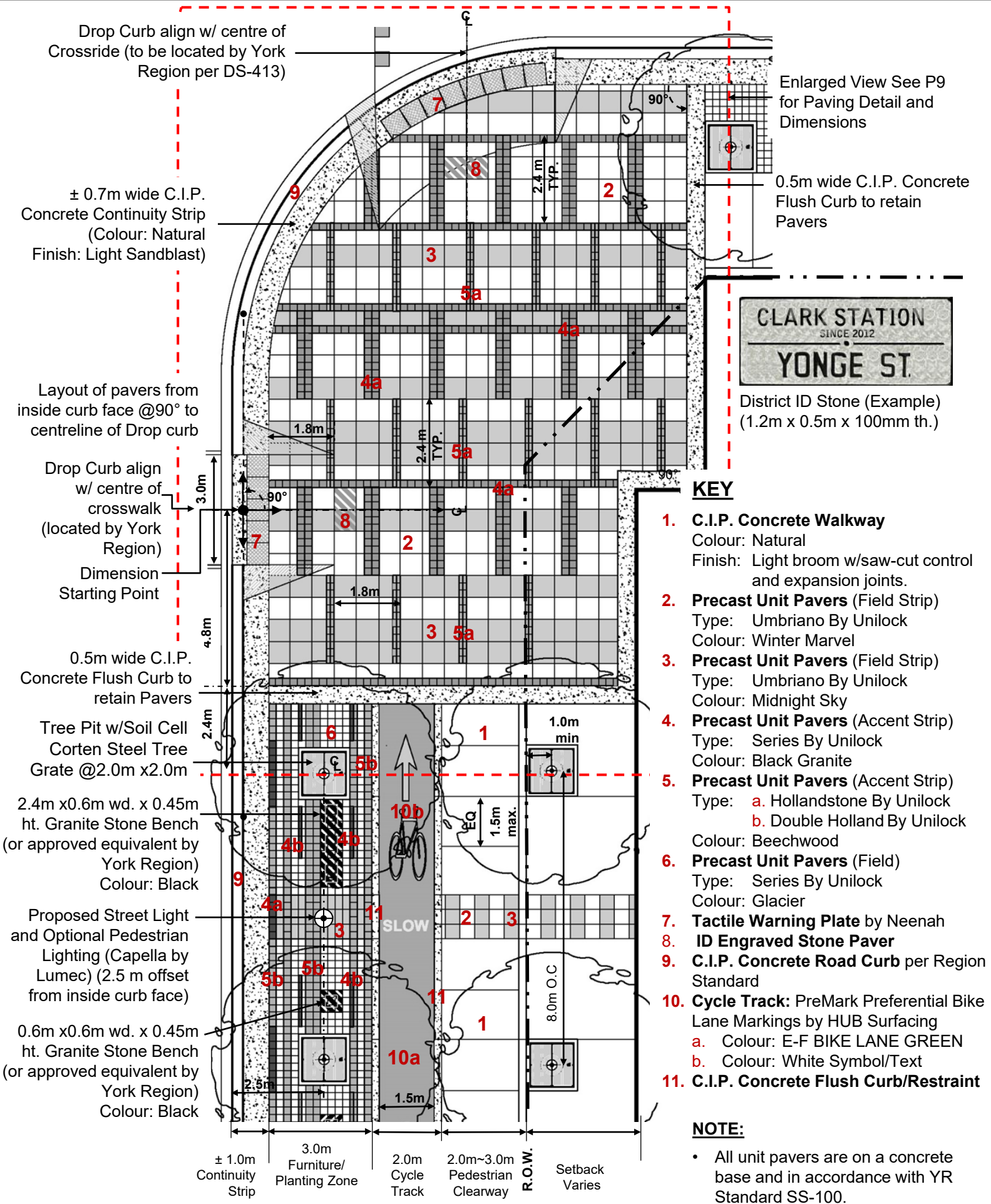
KEY

- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints.
- 2. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Winter Marvel
Size: 400x400x70mm
Pattern: Stacked End to End
- 3. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Midnight Sky
Size: 400x400x70mm
Pattern: Stacked End to End
- 4. Precast Unit Pavers (Accent Strip)**
Type: Series 3000 By Unilock
Colour: Black Granite
Size: a. 200x200x70mm/
b. 100x200x70mm
Pattern: Stacked End to End
- 5. Precast Unit Pavers (Field)**
Type: Umbriano By Unilock
Colour: Winter Marvel
Size: a. 200x200x70mm (Field)
b. 200x400x70mm (Field)
Pattern: Stacked End to End
- 6. Precast Unit Pavers (Accent Strip)**
Type: Umbriano By Unilock
Colour: Midnight Sky
Size: 200x200x70mm (Field)
Pattern: Stacked End to End
- 7. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
a. Colour: E-F BIKE LANE GREEN
b. Colour: White Symbol/Text
- 8. C.I.P. Concrete Flush Curb/Restraint**
- 9. C.I.P. Concrete Road Curb per Region Standard**
- 10. Paving Area w/in Setback**

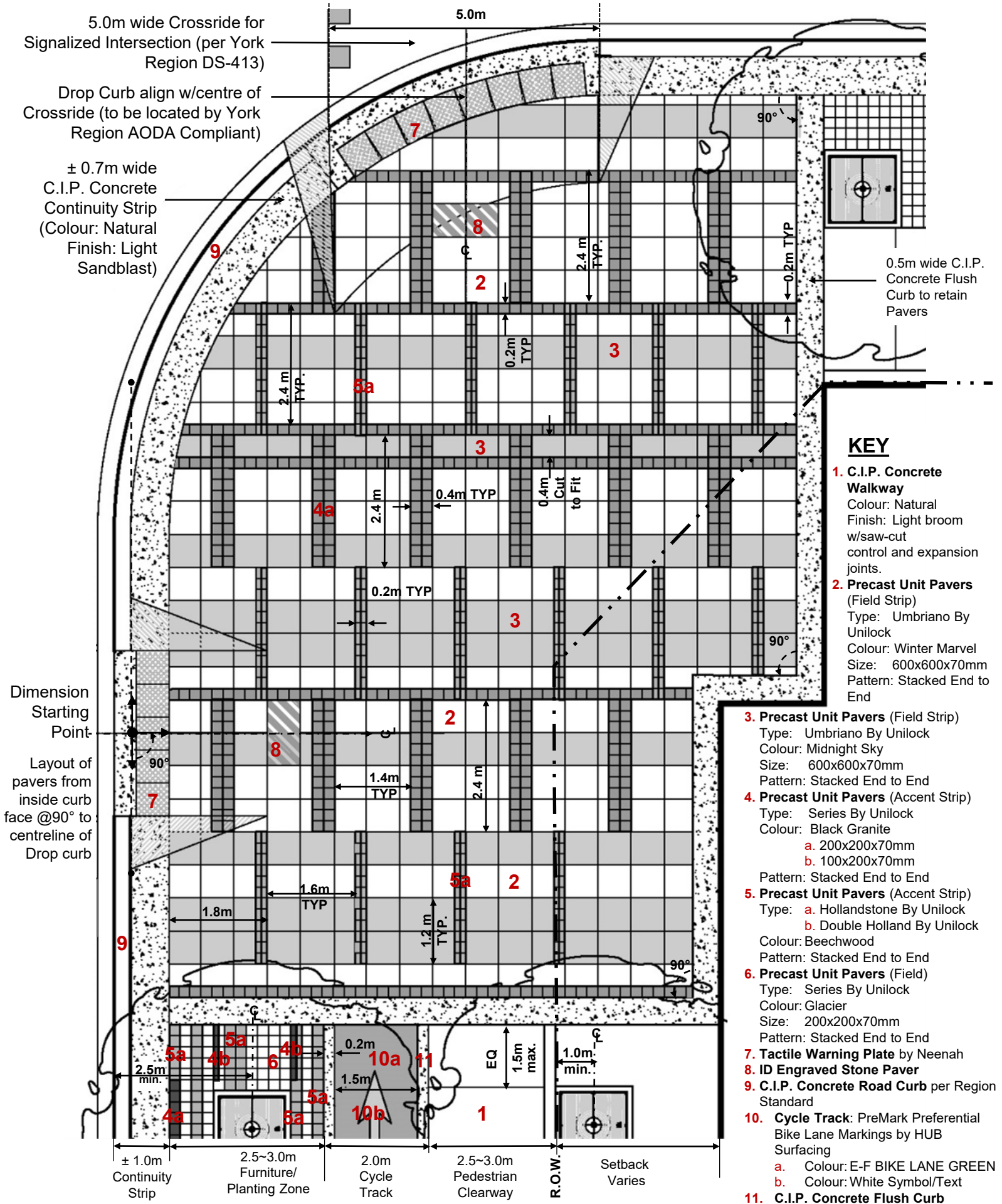
NOTES:

- Street furniture shall be in accordance with the Accessibility for Ontarians with Disabilities Act Standards to ensure barrier-free access is provided.
- All furnishings shall be in accordance with York Region Standard and be low maintenance, vandal resistant and easily replaceable.
- The placement of transit shelter, waste receptacle and bench layout are to be determined by YRT.
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

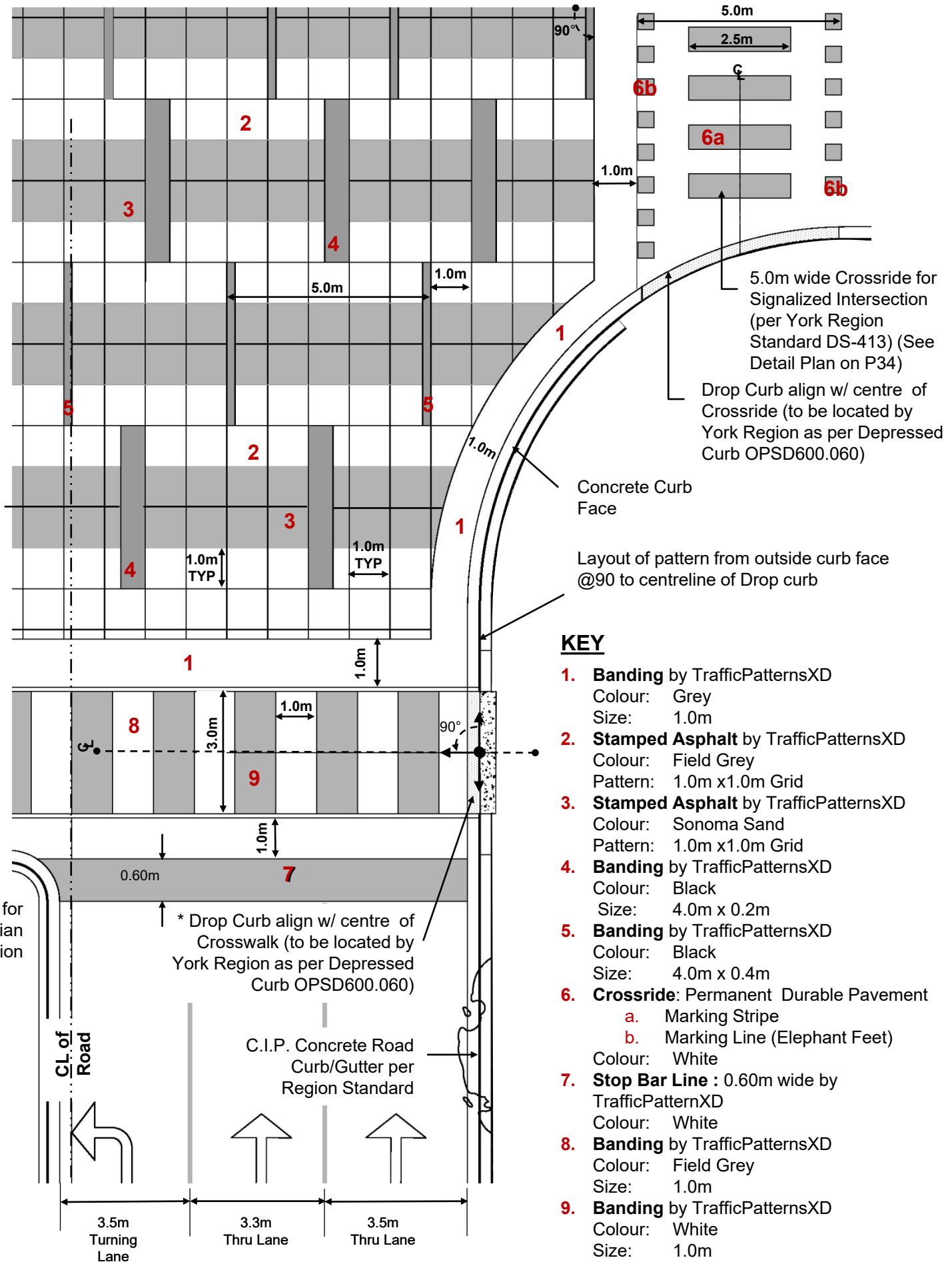
2.1 Clark Station : Major Intersection Boulevard



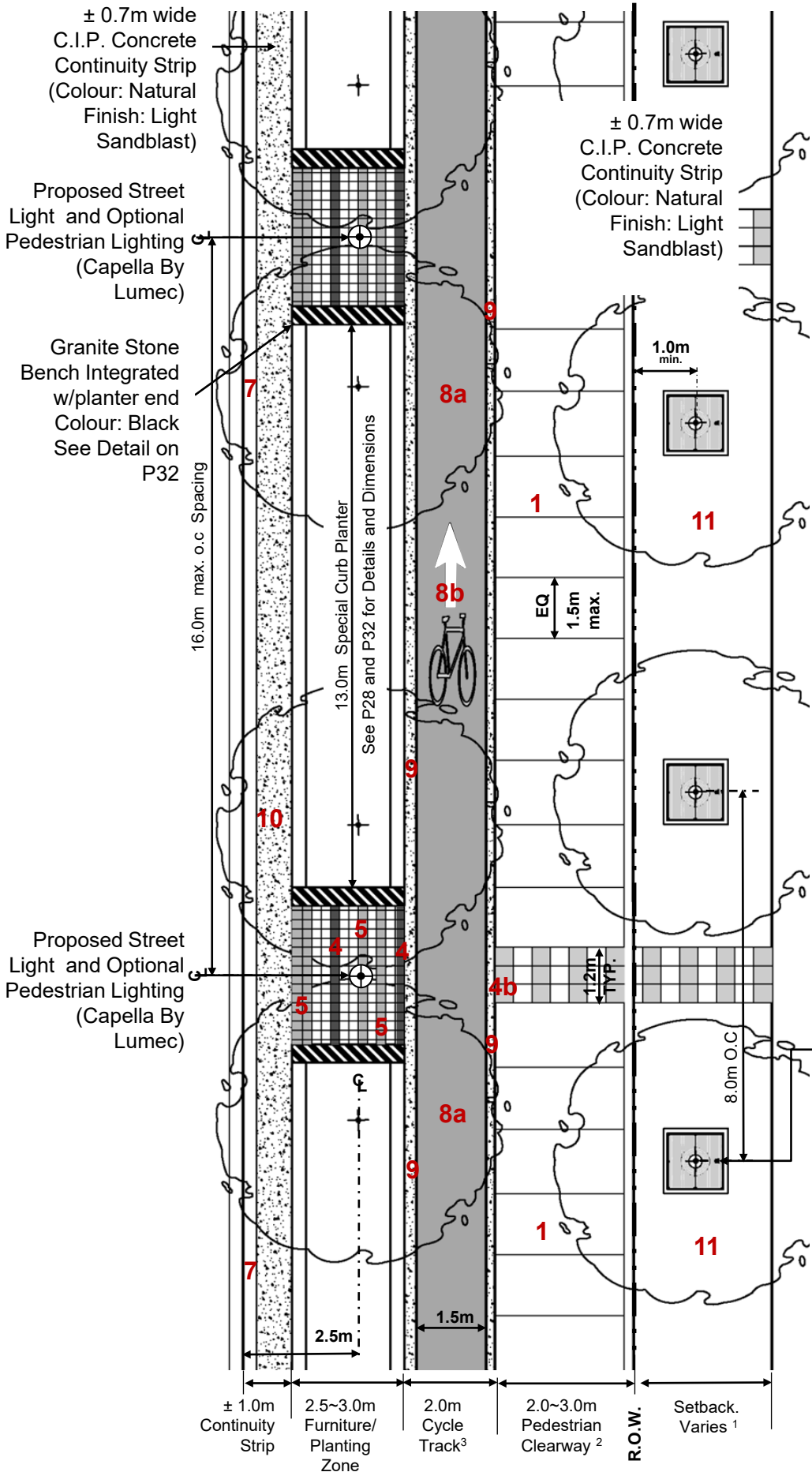
2.2 Clark Station: Detail Paving Boulevard



2.3 Clark Station: Major Intersection Roadway



2.4 Clark Station: Midblock - w/Proposed Trees



KEY

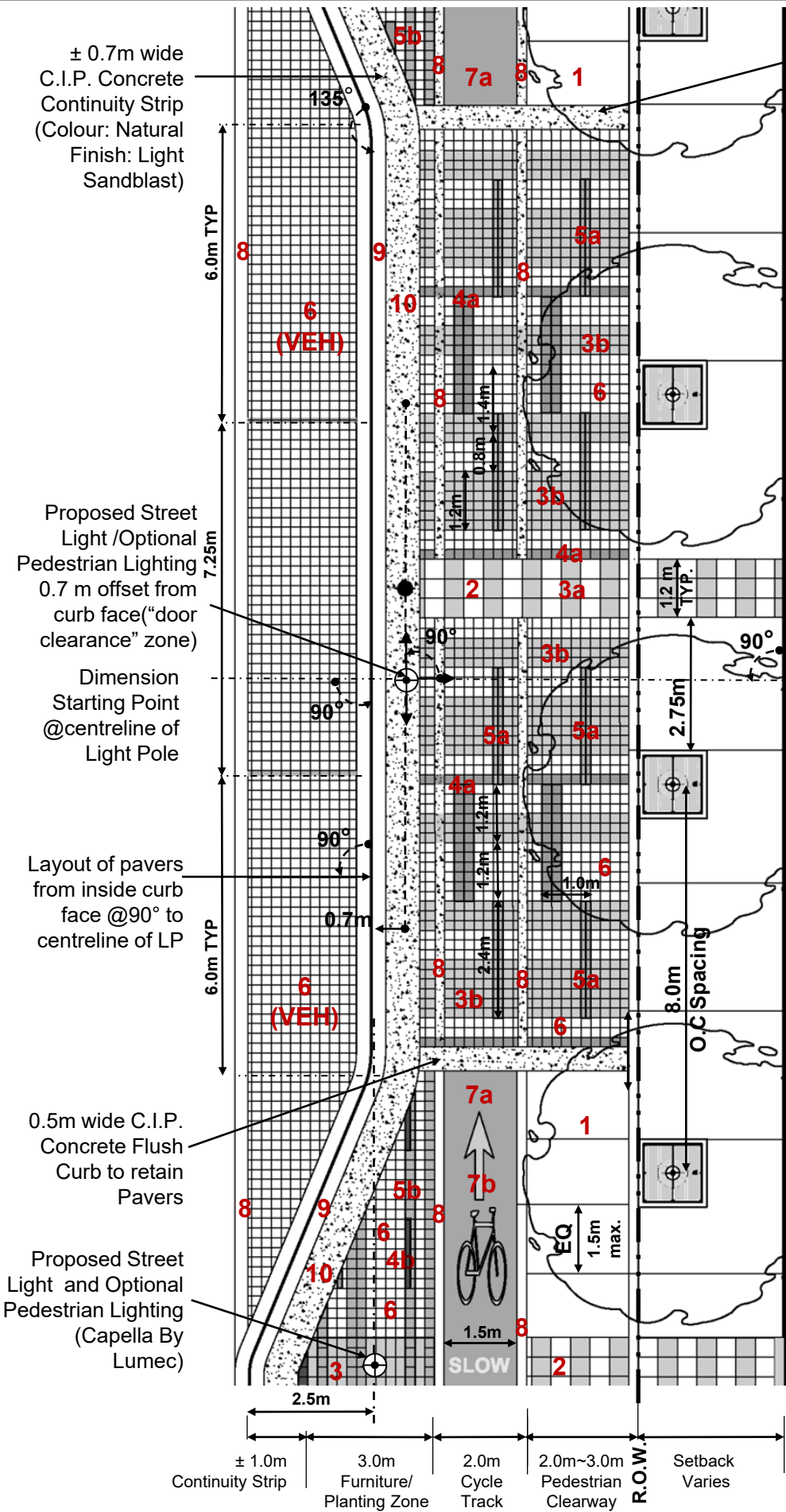
- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints.
- 2. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Winter Marvel
Size: 400x400x70mm
Pattern: Stacked End to End
- 3. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Midnight Sky
Size: 400x400x70mm
Pattern: Stacked End to End
- 4. Precast Unit Pavers (Accent Strip)**
Type: Series By Unilock
Colour: Black Granite
a. 200x200x70mm
b. 100x200x70mm
Pattern: Stacked End to End
- 5. Precast Unit Pavers (Accent Strip)**
Type: Double Holland By Unilock
Colour: Beechwood
Pattern: Stacked End to End
- 6. Precast Unit Pavers (Field)**
Type: Series By Unilock
Colour: Glacier
Size: 200x200x70mm
Pattern: Stacked End to End
- 7. C.I.P. Concrete Curb** per Region Standard
- 8. Cycle Track:** PreMark Preferential Bike Lane Markings by HUB Surfacing
a. Colour: Asphalt Only
b. Colour: White Symbol/Text
- 9. C.I.P. Concrete Flush Curb/Restraint**
- 10. C.I.P. Concrete Continuity Strip**
- 11. Paving Area** w/in Setback

Proposed Tree w/ Soil Cell in hard paving surface

NOTES:

- 1 Existing, healthy trees to remain and be protected wherever possible.
- 2 The preferred width of the Pedestrian Clearway is a minimum of 3.0m. Where this is not possible, a reduction to no less than 2.0m can be considered.
- 3 A designated cycle track @2.0m max. width w/1.50m wide cycle track and having 0.2m minimum flush curb buffer/paver restraint on each side.
- 4 All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

2.5 Clark Station: Lay-by Parking



0.5m wide C.I.P. Concrete Flush Curb to retain Pavers

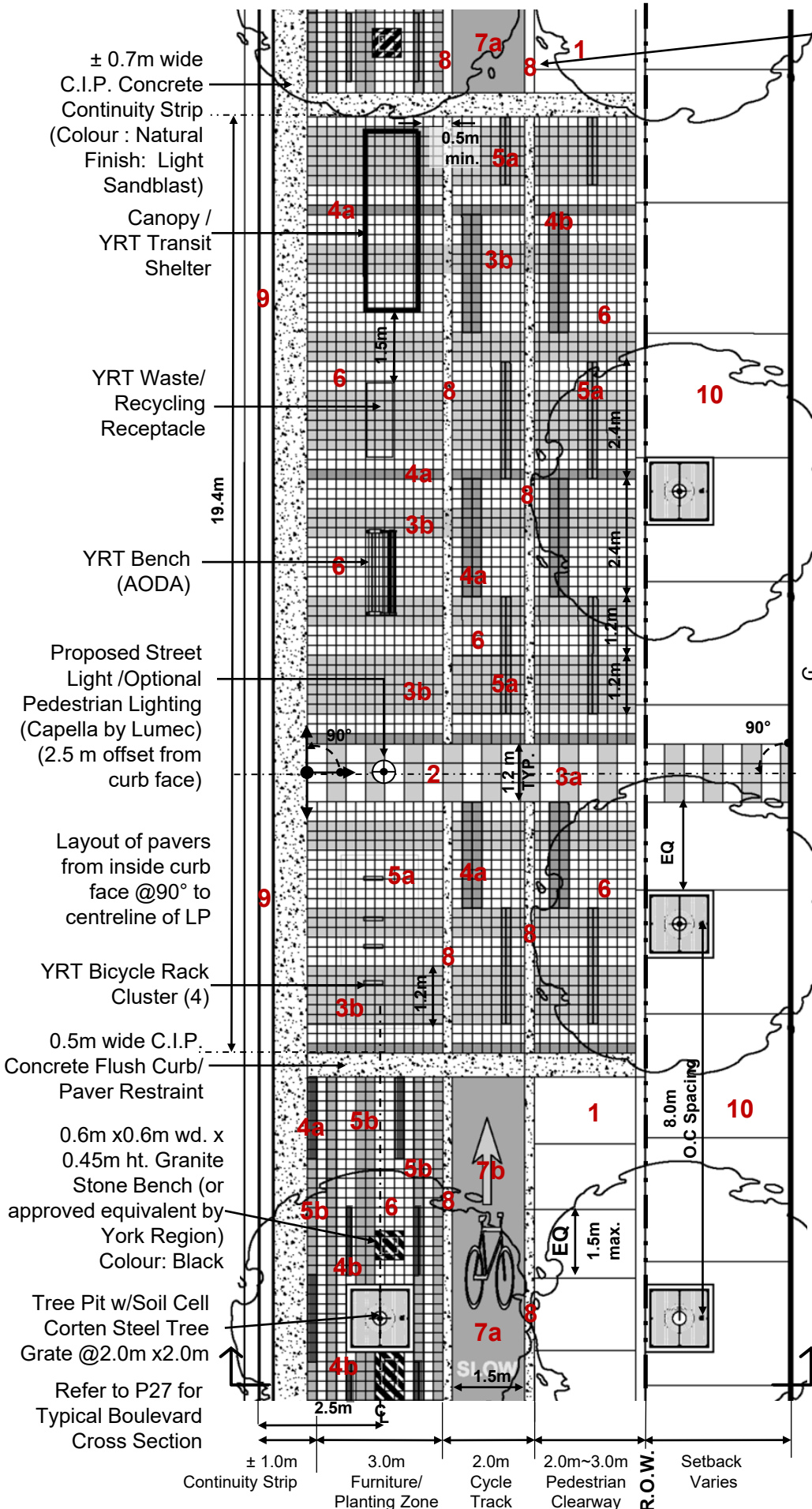
KEY

- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints.
- 2. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Winter Marvel
Size: 400x400x70mm
Pattern: Stacked End to End
- 3. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Midnight Sky
Size: a. 400x400x70mm
b. 200x200x70mm (cut)
Pattern: Stacked End to End
- 4. Precast Unit Pavers (Accent Strip)**
Type: Series 3000 By Unilock
Colour: Black Granite
Size: a. 200x200x70mm/
b. 100x200x70mm
Pattern: Stacked End to End
- 5. Precast Unit Pavers (Accent Strip)**
Type: a. Hollandstone By Unilock
b. Double Holland By Unilock
Colour: Beechwood
Size: a. 200x200x70mm
b. 200x400x70mm
Pattern: Stacked End to End
- 6. Precast Unit Pavers (Field)**
Type: Series By Unilock
Colour: Glacier
Size: 200x200x70mm
Pattern: Stacked End to End
- 7. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
a. Colour: Asphalt only
b. Colour: White Symbol/Text
- 8. C.I.P. Concrete Flush Curb**
- 9. C.I.P. Concrete Curb** per Region Standard
- 10. C.I.P. Concrete Continuity Strip**

NOTES:

- Location of on-street parking shall be assessed on a block-by block Basis.
- On-street parking lay-bys shall be configured in 3 vehicle (maximum) groupings to minimize the impact on boulevard urban design elements.
- 45-degree curb tapers with 3.0m curb radii shall be located at both ends of the designated lay-by lane.
- Provide a 0.7m minimum buffer between the layby and the cycling facilities as a "door clearance" zone. (See P31 for Lay-by Parking Cross Section)

2.6 Clark Station: Bus/Transit Stop



0.5m wide C.I.P. Concrete Flush Curb to retain Pavers

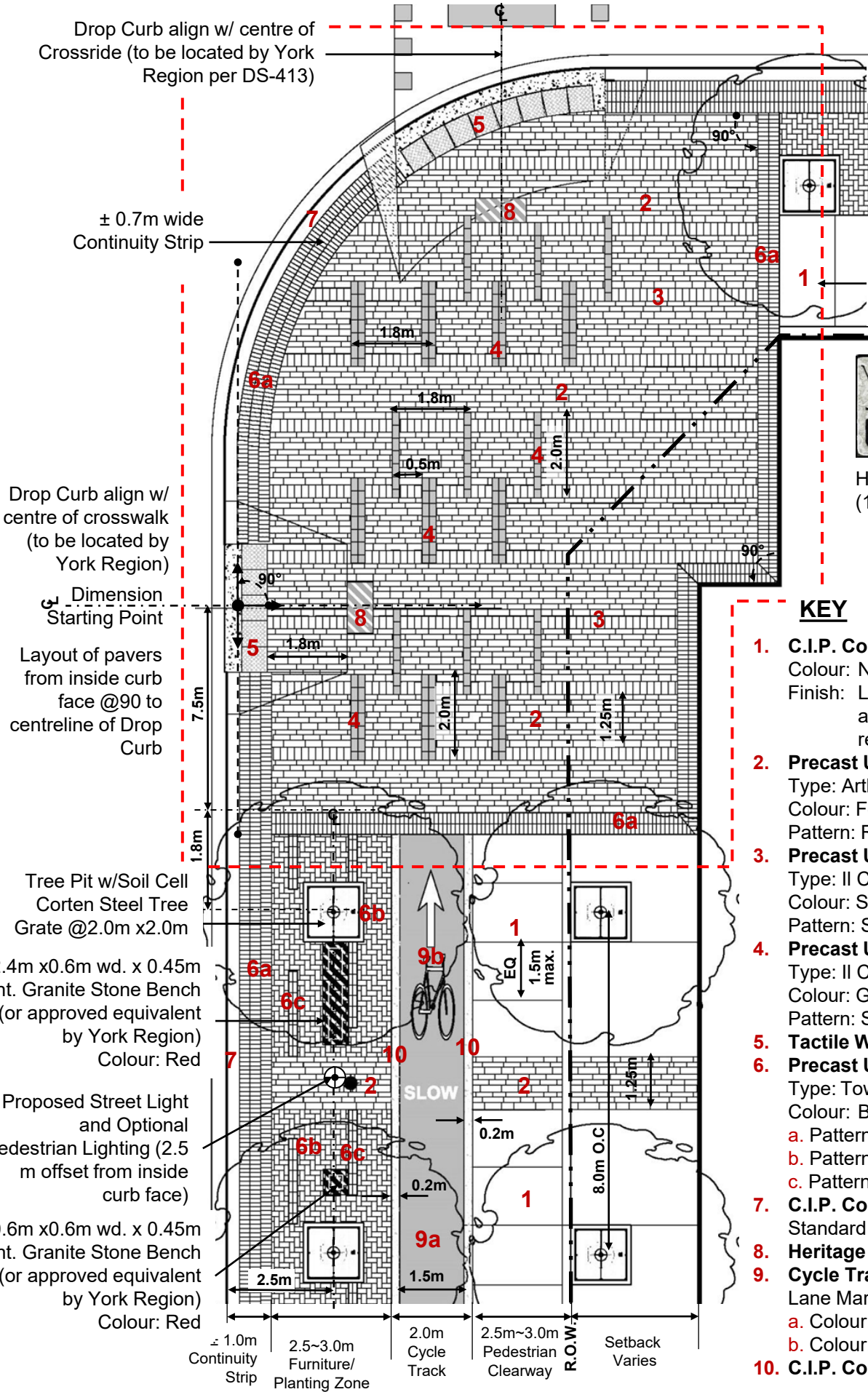
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- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints.
- 2. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Winter Marvel
Size: 400x400x70mm
Pattern: Stacked End to End
- 3. Precast Unit Pavers**
Type: Umbriano By Unilock
Colour: Midnight Sky
Size: a. 400x400x70mm
b. 200x200x70mm (cut)
Pattern: Stacked End to End
- 4. Precast Unit Pavers (Accent Strip)**
Type: Series 3000 By Unilock
Colour: Black Granite
Size: a. 200x200x70mm/
b. 100x200x70mm
Pattern: Stacked End to End
- 5. Precast Unit Pavers (Accent Strip)**
Type: a. Hollandstone By Unilock
b. Double Holland By Unilock
Colour: Beechwood
Size: a. 200x200x70mm
b. 200x400x70mm
Pattern: Stacked End to End
- 6. Precast Unit Pavers (Field)**
Type: Series By Unilock
Colour: Glacier
Size: 200x200x70mm
Pattern: Stacked End to End
- 7. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
a. Colour: E-F BIKE LANE GREEN
b. Colour: White Symbol/Text
- 8. C.I.P. Concrete Flush Curb/Restraint**
- 9. C.I.P. Concrete Curb per Region Standard**
- 10. Paving Area w/in Setback**

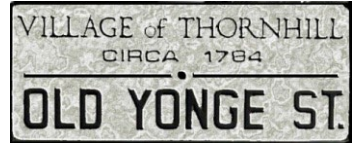
NOTES:

- Street furniture shall be in accordance with the Accessibility for Ontarians with Disabilities Act Standards to ensure barrier-free access is provided.
- All furnishings shall be in accordance with York Region standards and be low maintenance, vandal resistant and easily replaceable.
- The placement of transit shelter, waste receptacle and bench layout are to be determined by YRT.
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

3.1 Old Thornhill: Major Intersection Boulevard



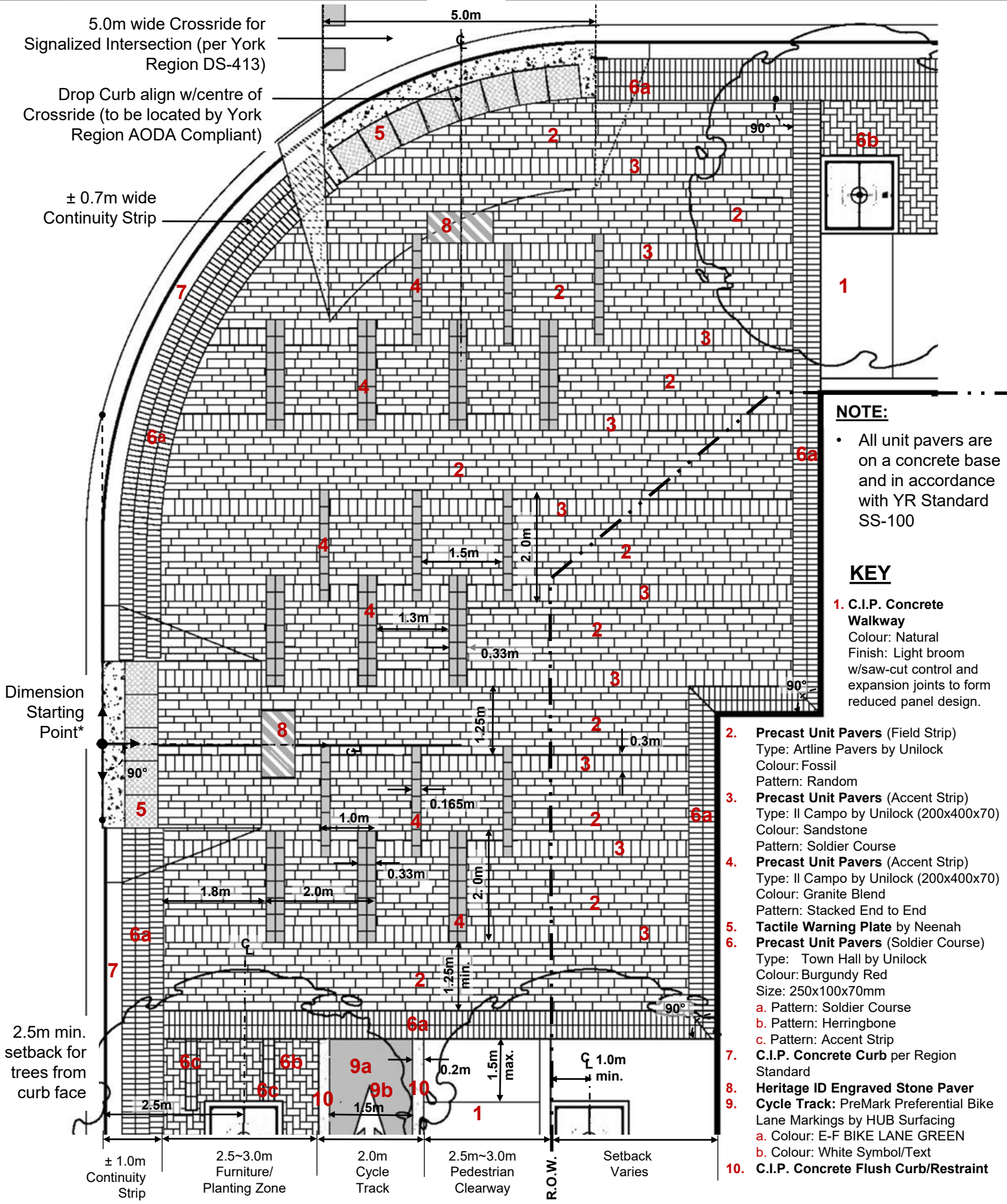
NOTES:
 All unit pavers are on a concrete base and in accordance with YR Standard SS-100
 Enlarged View See P15 for Paving Detail and Dimensions



KEY

- 1. C.I.P. Concrete Walkway**
 Colour: Natural
 Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers (Field Strip)**
 Type: Artline Pavers by Unilock
 Colour: Fossil
 Pattern: Random
- 3. Precast Unit Pavers (Accent Strip)**
 Type: Il Campo by Unilock (200x400x70)
 Colour: Sandstone
 Pattern: Soldier Course
- 4. Precast Unit Pavers (Accent Strip)**
 Type: Il Campo by Unilock (200x400x70)
 Colour: Granite Blend
 Pattern: Stacked End to End
- 5. Tactile Warning Plates** by Neenah
- 6. Precast Unit Pavers**
 Type: Town Hall by Unilock
 Colour: Burgundy Red
 a. Pattern: Soldier Course
 b. Pattern: Herringbone
 c. Pattern: Accent Strip
- 7. C.I.P. Concrete Curb** per Region Standard
- 8. Heritage ID Engraved Stone Paver**
- 9. Cycle Track: PreMark Preferential Bike Lane Markings** by HUB Surfacing
 a. Colour: E-F BIKE LANE GREEN
 b. Colour: White Symbol/Text
- 10. C.I.P. Concrete Flush Curb/Restraint**

3.2 Old Thornhill: Detail Paving Boulevard- Enlarged View

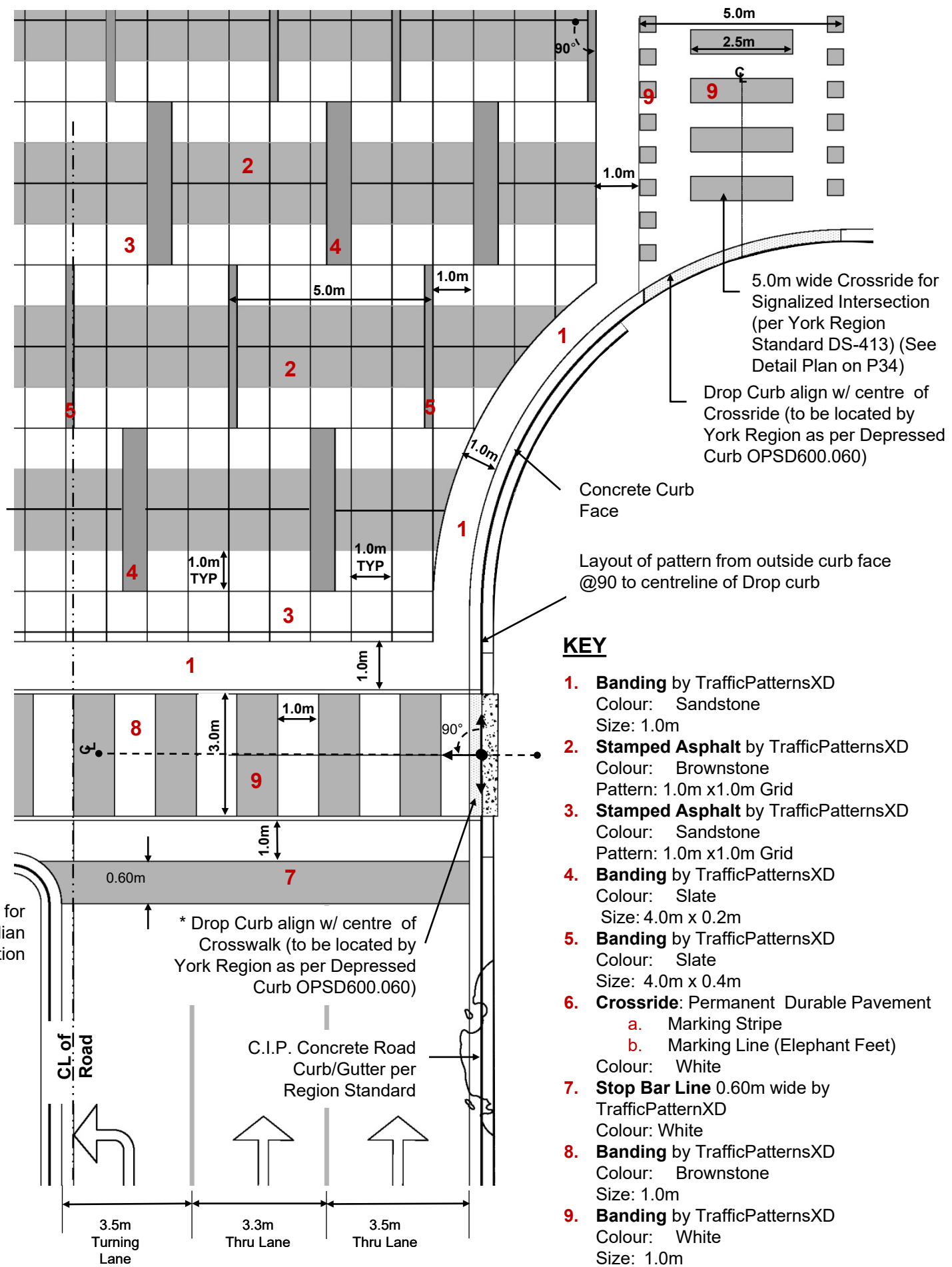


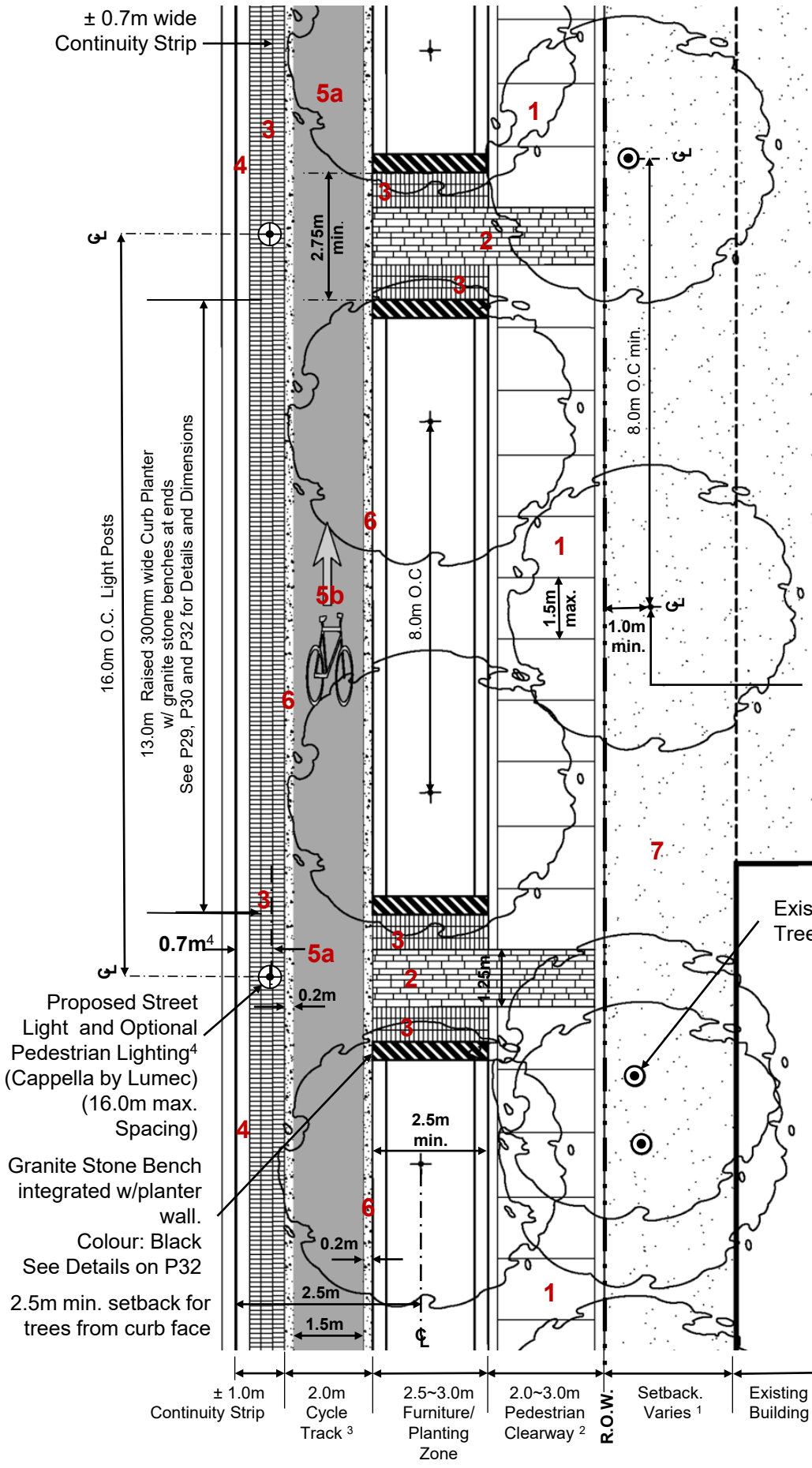
NOTE:

- All unit pavers are on a concrete base and in accordance with YR Standard SS-100

- KEY**
- C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
 - Precast Unit Pavers (Field Strip)**
Type: Artline Pavers by Unilock
Colour: Fossil
Pattern: Random
 - Precast Unit Pavers (Accent Strip)**
Type: Il Campo by Unilock (200x400x70)
Colour: Sandstone
Pattern: Soldier Course
 - Precast Unit Pavers (Accent Strip)**
Type: Il Campo by Unilock (200x400x70)
Colour: Granite Blend
Pattern: Stacked End to End
 - Tactile Warning Plate** by Neenah
 - Precast Unit Pavers (Soldier Course)**
Type: Town Hall by Unilock
Colour: Burgundy Red
Size: 250x100x70mm
a. Pattern: Soldier Course
b. Pattern: Herringbone
c. Pattern: Accent Strip
 - C.I.P. Concrete Curb** per Region Standard
 - Heritage ID Engraved Stone Paver**
 - Cycle Track:** PreMark Preferential Bike Lane Markings by HUB Surfacing
a. Colour: E-F BIKE LANE GREEN
b. Colour: White Symbol/Text
 - C.I.P. Concrete Flush Curb/Restraint**

3.3 Old Thornhill: Major Intersection Roadway





KEY

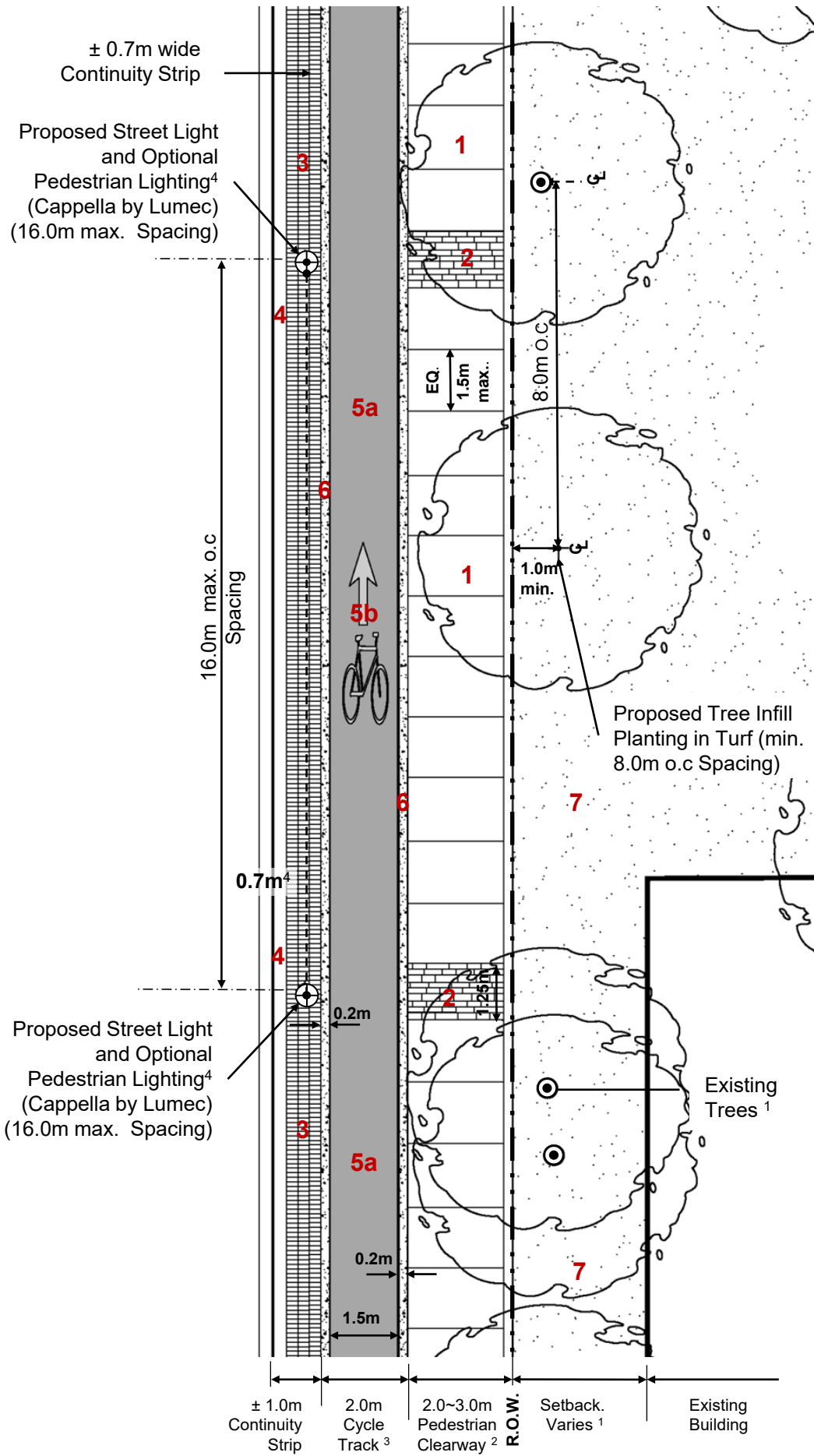
- 1. C.I.P. Concrete Walkway**
 Colour: Natural
 Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers (Field Strip)⁵**
 Type: Artline Pavers by Unilock
 Colour: Fossil
 Pattern: Random
- 3. Precast Unit Pavers (Soldier Course)⁵**
 Type: Town Hall by Unilock
 Colour: Burgundy Red
 Size: 250x100 x70mm
 Pattern: (@2 or 3 Rows)
- 4. C.I.P. Concrete Curb** per Region Standard
- 5. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
 a: Colour: Asphalt Only
 b: Colour: White Symbol/Text
- 6. C.I.P. Concrete Flush Curb/Restraint**
- 7. Turf Area w/in Setback**

Proposed Tree Infill Planting in Turf (min. 8.0m o.c Spacing)

Existing Trees¹

NOTES:

- ¹ Existing, healthy trees to remain and be protected wherever possible.
- ² The preferred width of the Pedestrian Clearway is a minimum of 2.5m. . Where this is not possible, a reduction to no less then 2.0m can be considered.
- ³ A designated cycle track @2.0m max. width w/1.50m wide cycle track and having 0.2m minimum flush curb buffer/paver restraint on each side.
- ⁴ Provide a 0.7m minimum buffer as a "door clearance" zone.
- ⁵ All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

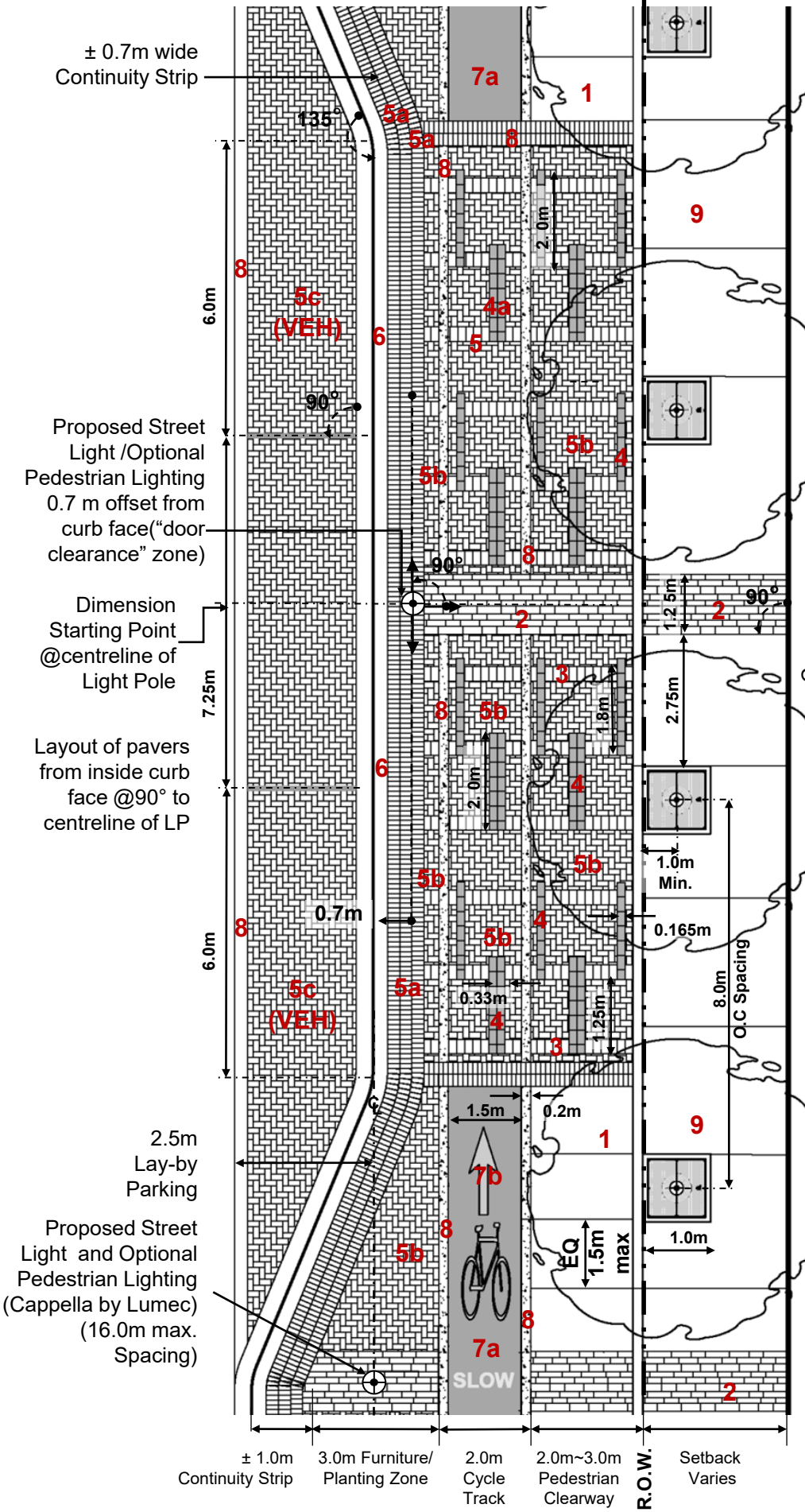


KEY

- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers (Field Strip)⁵**
Type: Artline Pavers by Unilock
Colour: Fossil
Pattern: Random
- 3. Precast Unit Pavers (Soldier Course)⁵**
Type: Town Hall by Unilock
Colour: Burgundy Red
Size: 250x100x70mm
Pattern: (@3 Rows)
- 4. C.I.P. Concrete Curb** per Region Standard
- 5. Cycle Track: PreMark Preferential Bike Lane Markings** by HUB Surfacing
a: Colour: Asphalt Only
b: Colour: White Symbol/Text
- 6. C.I.P. Concrete Flush Curb/Restraint**
- 7. Turf Area w/in Setback**

NOTES:

- 1 Existing, healthy trees to remain and be protected wherever possible.
- 2 The preferred width of the Pedestrian Clearway is a minimum of 2.5m. Where this is not possible, a reduction to no less than 2.0m can be considered.
- 3 A designated cycle track @2.0m max. width w/1.50m wide cycle track and having 0.2m minimum flush curb buffer/paver restraint on each side.
- 4 Provide a 0.7m minimum buffer as a "door clearance" zone.
- 5 All unit pavers are on a concrete base and in accordance with YR Standard SS-100.



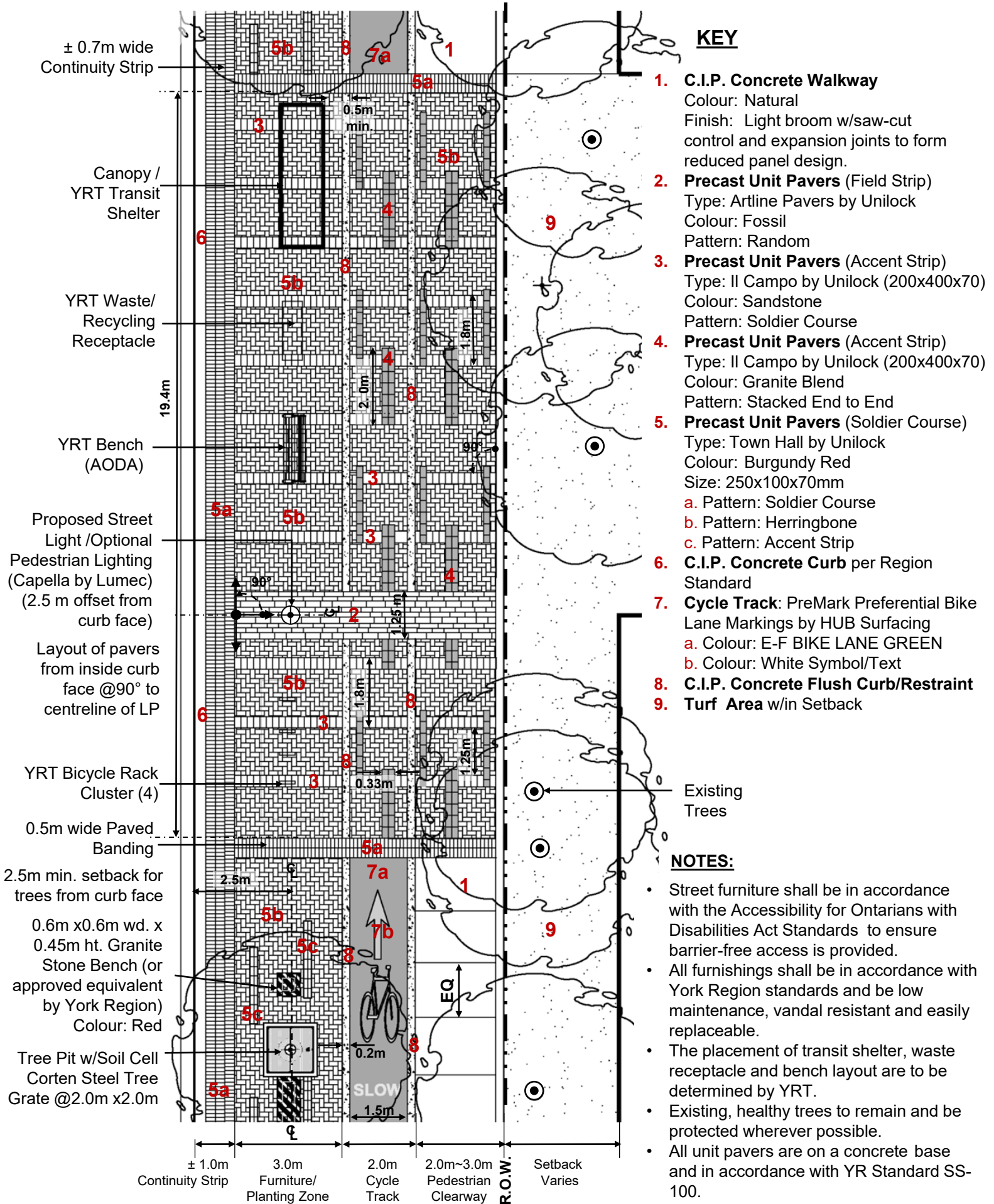
KEY

- 1. C.I.P. Concrete Walkway**
 Colour: Natural
 Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers (Field Strip)**
 Type: Artline Pavers by Unilock
 Colour: Fossil
 Pattern: Random
- 3. Precast Unit Pavers (Accent Strip)**
 Type: Il Campo by Unilock (200x400x70)
 Colour: Sandstone
 Pattern: Soldier Course
- 4. Precast Unit Pavers (Accent Strip)**
 Type: Il Campo by Unilock (200x400x70)
 Colour: Granite Blend
 Pattern: Stacked End to End
- 5. Precast Unit Pavers (Soldier Course)**
 Type: Town Hall by Unilock
 Colour: Burgundy Red
 Size: 250x100x70mm
 a. Pattern: Soldier Course
 b. Pattern: Herringbone
 c. Pattern: Herringbone (on Vehicular Base)
- 6. C.I.P. Concrete Curb** per Region Standard
- 7. Cycle Track:** PreMark Preferential Bike Lane Markings by HUB Surfacing
 a. Colour: E-F BIKE LANE GREEN
 b. Colour: White Symbol/Text
- 8. C.I.P. Concrete Flush Curb/Restraint**
- 9. Paved Area w/in Setback**

NOTES:

- Location of on-street parking shall be assessed on a block-by block Basis.
- On-street parking lay-bys shall be configured in 3 vehicle (maximum) groupings to minimize the impact on boulevard urban design elements.
- 45-degree curb tapers with 3.0m curb radii shall be located at both ends of the designated lay-by lane.
- Provide a 0.7m minimum buffer between the layby and the cycling facilities as a "door clearance" zone. (See P31 for Lay-by Parking Cross Section)
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

3.7 Old Thornhill: Bus/Transit Stop



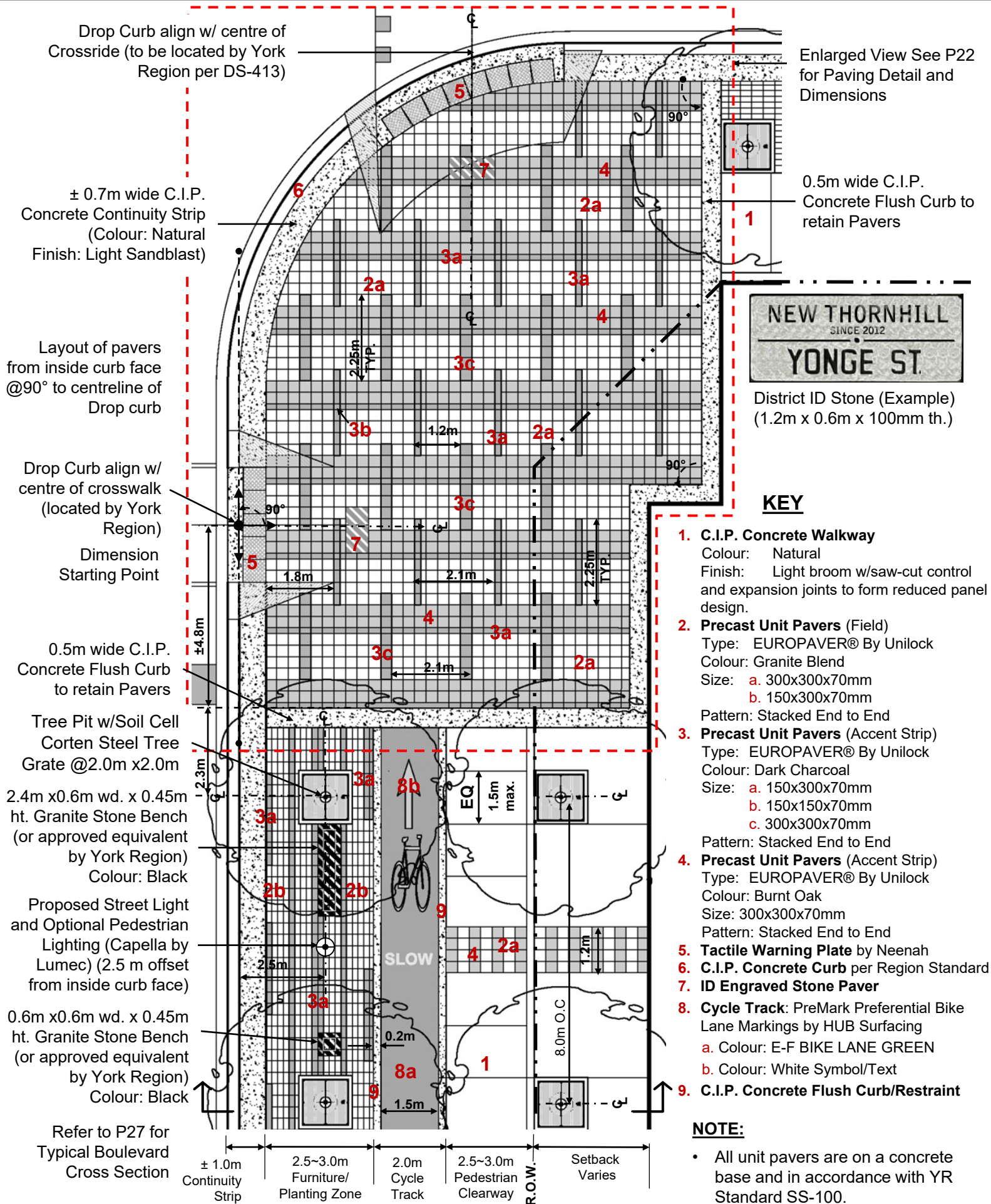
KEY

- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers (Field Strip)**
Type: Artline Pavers by Unilock
Colour: Fossil
Pattern: Random
- 3. Precast Unit Pavers (Accent Strip)**
Type: Il Campo by Unilock (200x400x70)
Colour: Sandstone
Pattern: Soldier Course
- 4. Precast Unit Pavers (Accent Strip)**
Type: Il Campo by Unilock (200x400x70)
Colour: Granite Blend
Pattern: Stacked End to End
- 5. Precast Unit Pavers (Soldier Course)**
Type: Town Hall by Unilock
Colour: Burgundy Red
Size: 250x100x70mm
a. Pattern: Soldier Course
b. Pattern: Herringbone
c. Pattern: Accent Strip
- 6. C.I.P. Concrete Curb** per Region Standard
- 7. Cycle Track:** PreMark Preferential Bike Lane Markings by HUB Surfacing
a. Colour: E-F BIKE LANE GREEN
b. Colour: White Symbol/Text
- 8. C.I.P. Concrete Flush Curb/Restraint**
- 9. Turf Area** w/in Setback

NOTES:

- Street furniture shall be in accordance with the Accessibility for Ontarians with Disabilities Act Standards to ensure barrier-free access is provided.
- All furnishings shall be in accordance with York Region standards and be low maintenance, vandal resistant and easily replaceable.
- The placement of transit shelter, waste receptacle and bench layout are to be determined by YRT.
- Existing, healthy trees to remain and be protected wherever possible.
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

4.1 New Thornhill: Major Intersection Boulevard

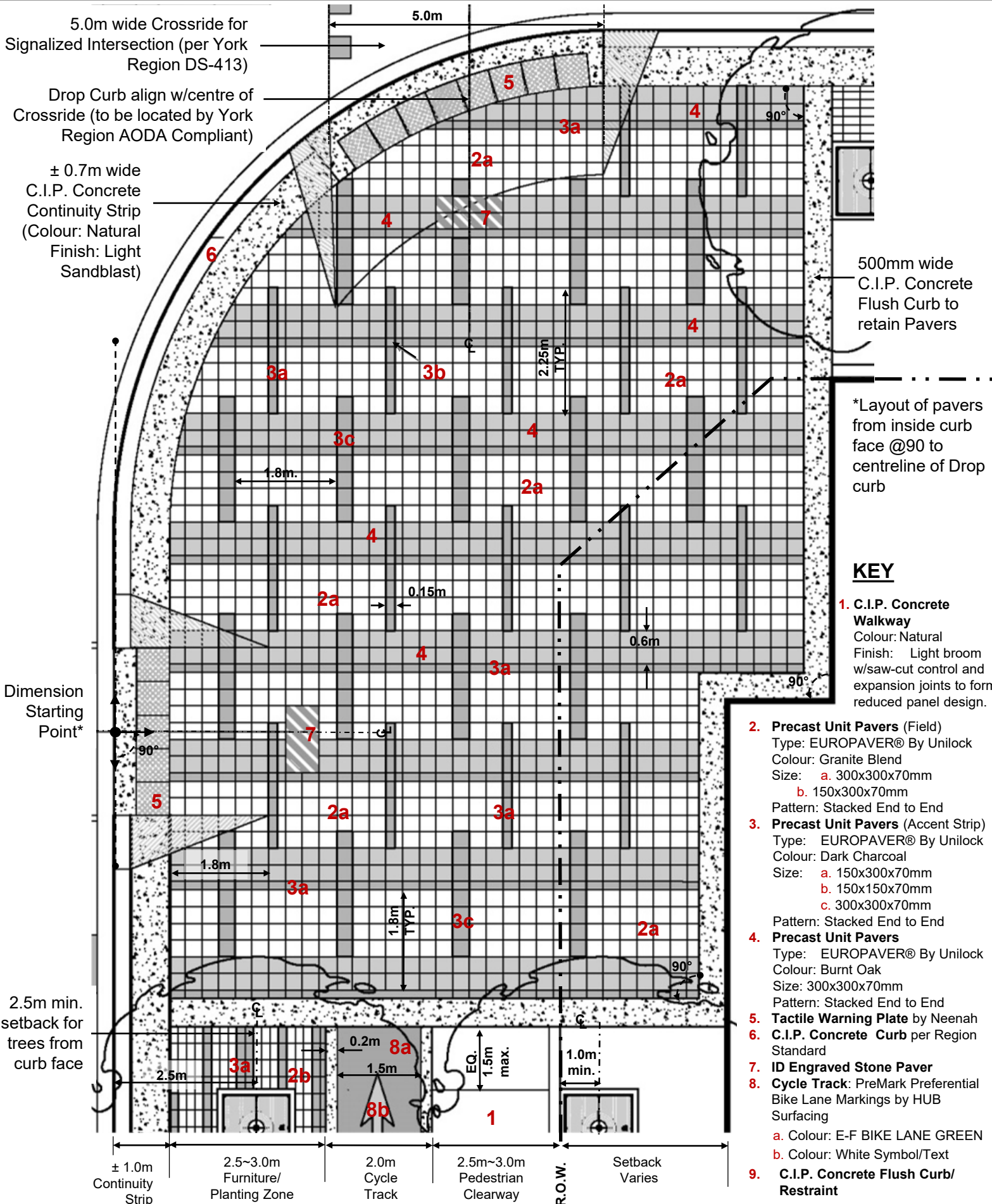


- KEY**
- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
 - 2. Precast Unit Pavers (Field)**
Type: EUROPAVER® By Unilock
Colour: Granite Blend
Size: a. 300x300x70mm
b. 150x300x70mm
Pattern: Stacked End to End
 - 3. Precast Unit Pavers (Accent Strip)**
Type: EUROPAVER® By Unilock
Colour: Dark Charcoal
Size: a. 150x300x70mm
b. 150x150x70mm
c. 300x300x70mm
Pattern: Stacked End to End
 - 4. Precast Unit Pavers (Accent Strip)**
Type: EUROPAVER® By Unilock
Colour: Burnt Oak
Size: 300x300x70mm
Pattern: Stacked End to End
 - 5. Tactile Warning Plate** by Neenah
 - 6. C.I.P. Concrete Curb** per Region Standard
 - 7. ID Engraved Stone Paver**
 - 8. Cycle Track: PreMark Preferential Bike Lane Markings** by HUB Surfacing
a. Colour: E-F BIKE LANE GREEN
b. Colour: White Symbol/Text
 - 9. C.I.P. Concrete Flush Curb/Restraint**

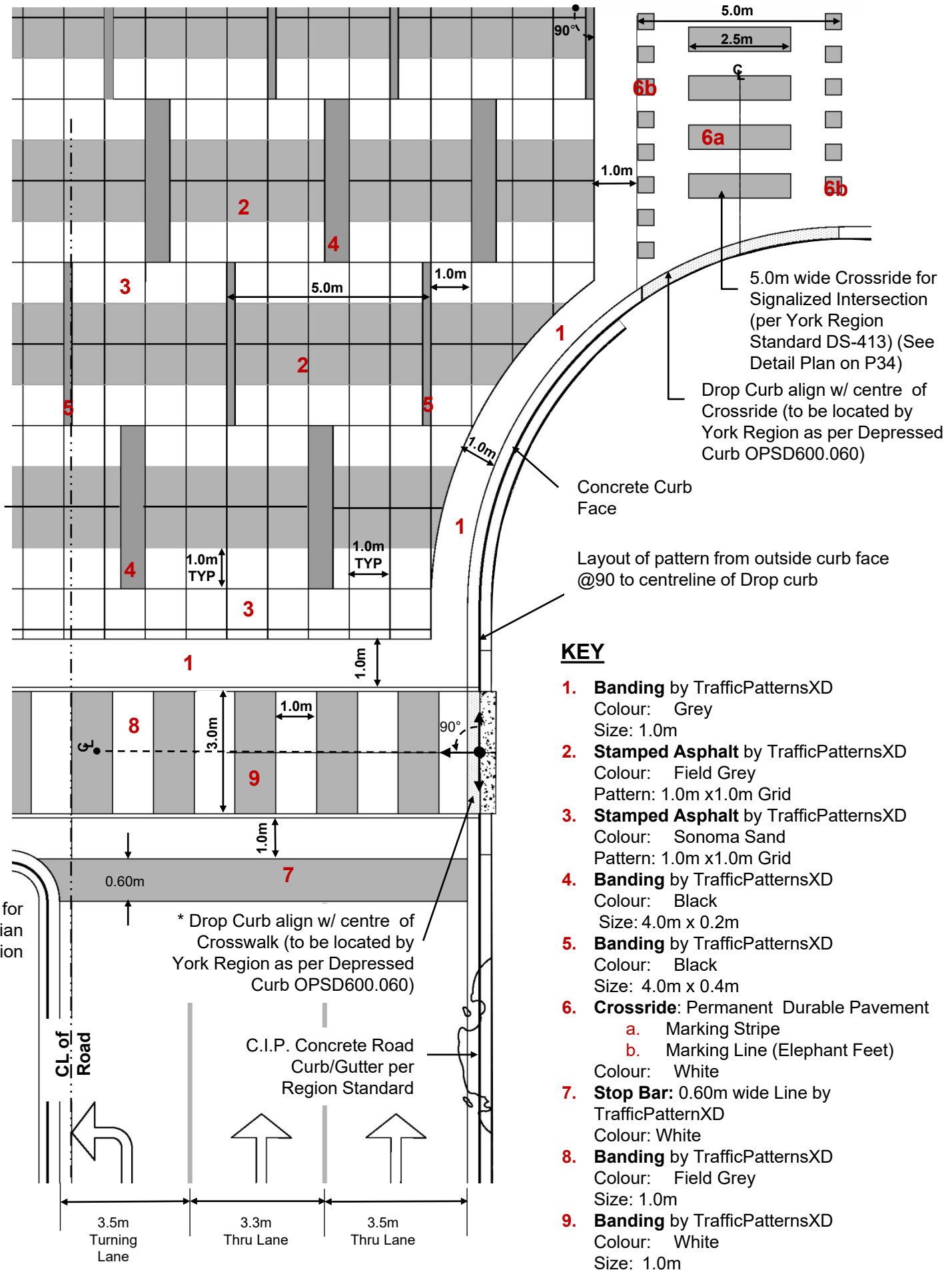
NOTE:

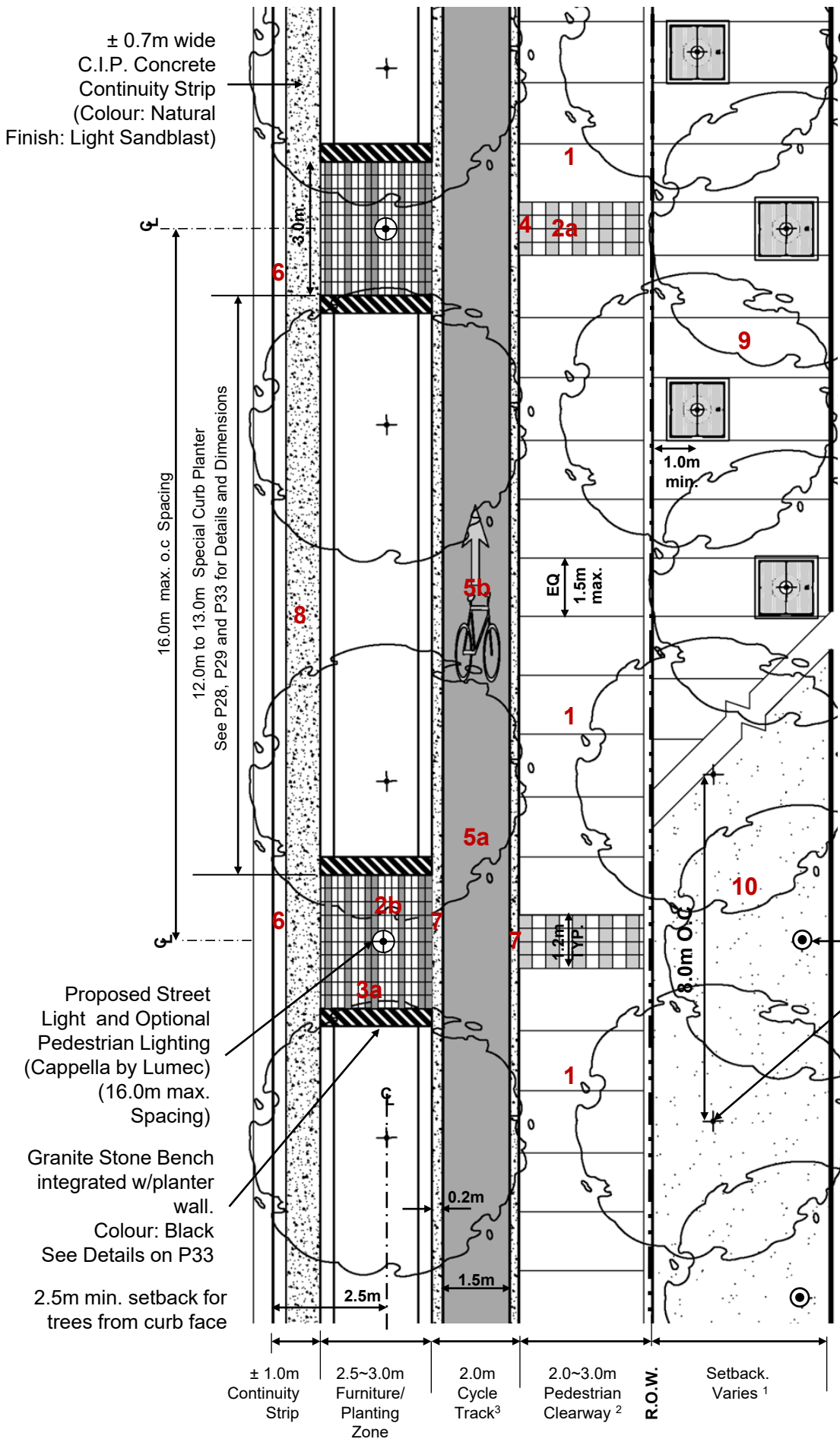
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

4.2 New Thornhill: Detail Paving Boulevard- Enlarged View



4.3 New Thornhill: Major Intersection Roadway





KEY

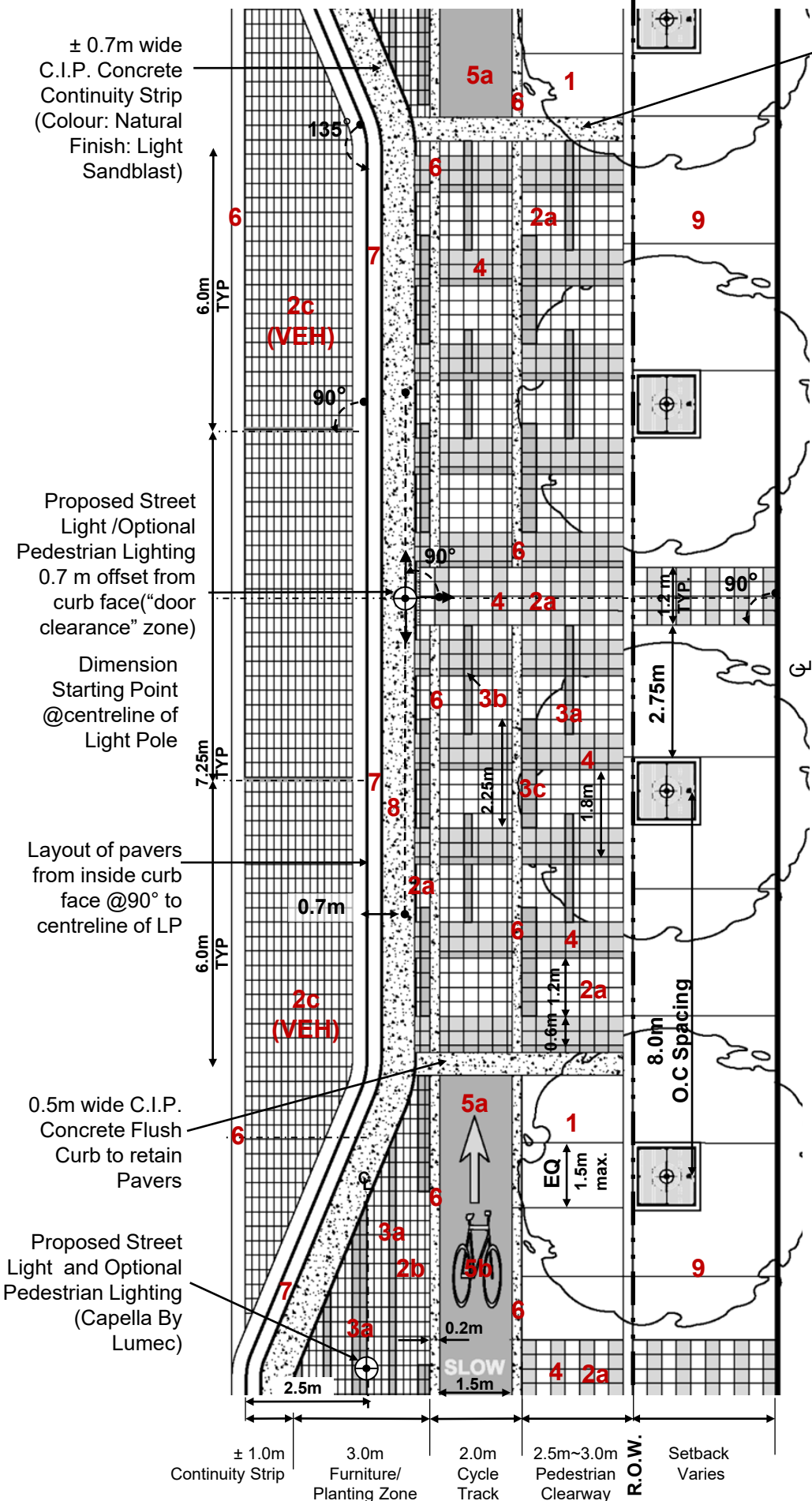
- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers (Band)⁴**
Type: EUROPAVER® By Unilock
Colour: Granite Blend
Size: a. 300x300x70mm
b. 150x300x70mm
Pattern: Stacked End to End
- 3. Precast Unit Pavers (Band)⁴**
Type: EUROPAVER® By Unilock
Colour: Dark Charcoal
Size: a. 150x300x70mm
Pattern: Stacked End to End
- 4. Precast Unit Pavers (Band)⁴**
Type: EUROPAVER® By Unilock
Colour: Burnt Oak
Size: 300x300x70mm
Pattern: Stacked End to End
- 5. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
a: Colour: Asphalt Only
b: Colour: White Symbol/Text
- 6. C.I.P. Concrete Curb** per Region Standard
- 7. C.I.P. Concrete Flush Curb/ Restraint**
- 8. C.I.P. Concrete Continuity Strip**
- 9. Paved Area w/in Setback**
- 10. Turf Area w/in Setback**

Existing Trees ¹
Proposed Tree Infill Planting in Turf (min. 8.0m o.c Spacing)

NOTES:

- ¹ Existing, healthy trees to remain and be protected wherever possible.
- ² The preferred width of the Pedestrian Clearway is a minimum of 2.5m. . Where this is not possible, a reduction to no less than 2.0m can be considered.
- ³ A designated Cycle Track @2.0m max. width w/1.50m wide cycle track and 0.2m minimum flush curb buffer/paver restraint on each side.
- ⁴ All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

4.5 New Thornhill: Midblock: Lay-by Parking



0.5m wide C.I.P. Concrete Flush Curb to retain Pavers

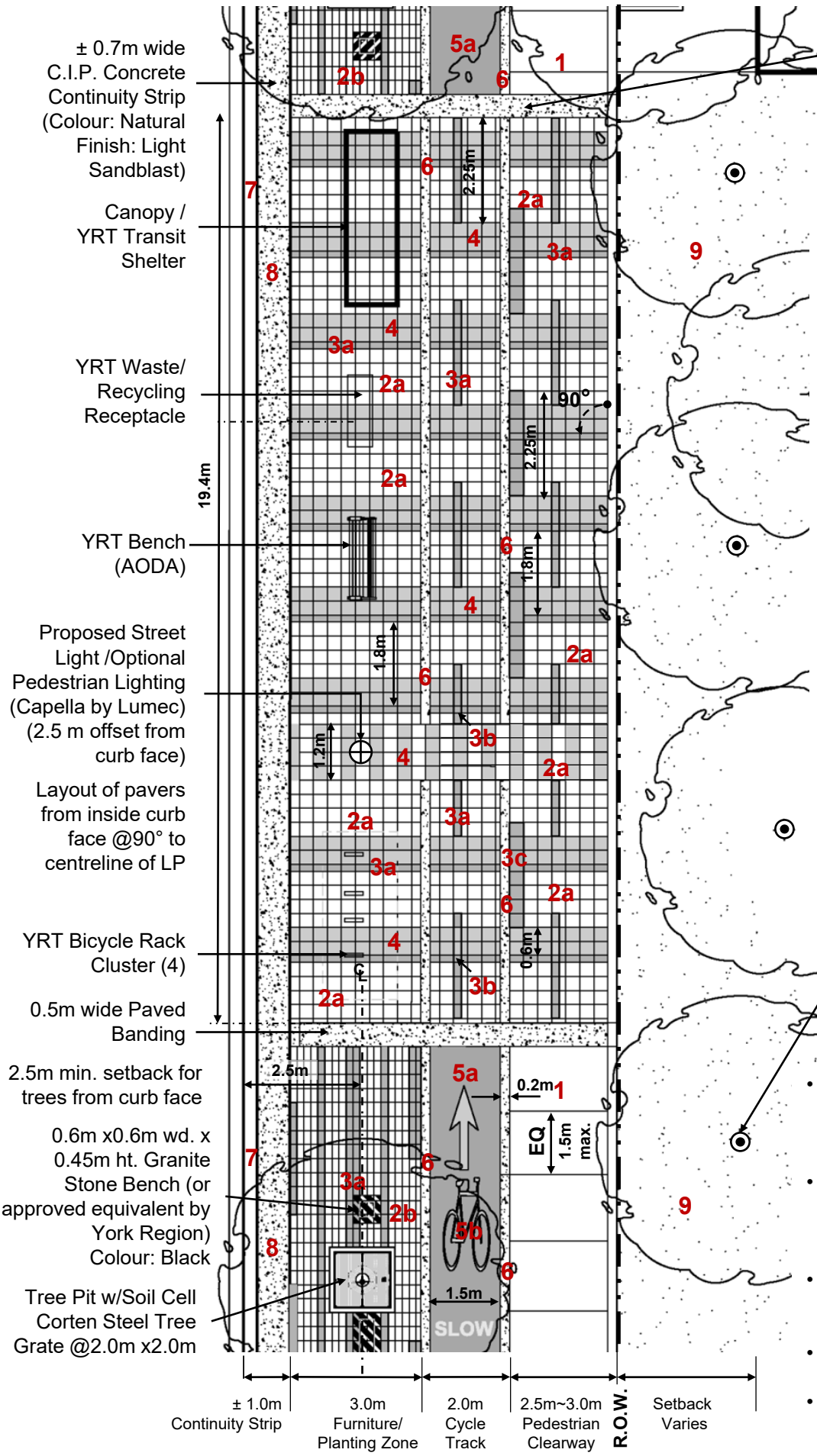
KEY

- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers**
Type: EUROPAVER® By Unilock
Colour: Granite Blend
Size: a. 300x300x70mm
b. 150x300x70mm
c. 150x300x70mm (VEH)
Pattern: Stacked End to End
- 3. Precast Unit Pavers (Accent Strip)**
Type: EUROPAVER® By Unilock
Colour: Dark Charcoal
Size: a. 150x300x70mm
b. 150x150x70mm
c. 300x300x70mm
Pattern: Stacked End to End
- 4. Precast Unit Pavers**
Type: EUROPAVER® By Unilock
Colour: Burnt Oak
Size: 300x300x70mm
Pattern: Stacked End to End
- 5. Cycle Track:** PreMark Preferential Bike Lane Markings by HUB Surfacing
a: Colour: E-F BIKE LANE GREEN
b: Colour: White Symbol/Text
- 6. C.I.P. Concrete Flush Curb/Restraint**
- 7. C.I.P. Concrete Curb** per Region Standard
- 8. C.I.P. Concrete Continuity Strip**
- 9. Paved Area w/in Setback**

NOTES:

- Location of on-street parking shall be assessed on a block-by-block Basis.
- On-street parking lay-bys shall be configured in 3 vehicle (maximum) groupings to minimize the impact on boulevard urban design elements.
- 45-degree curb tapers with 3.0m curb radii shall be located at both ends of the designated lay-by lane.
- Provide a 0.7m minimum buffer between the layby and the cycling facilities as a "door clearance" zone. (See P31 for Lay-by Parking Cross Section)
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

4.6 New Thornhill: Midblock: Bus/Transit Stop



0.5m wide C.I.P. Concrete Flush Curb to retain Pavers

KEY

- 1. C.I.P. Concrete Walkway**
Colour: Natural
Finish: Light broom w/saw-cut control and expansion joints to form reduced panel design.
- 2. Precast Unit Pavers**
Type: EUROPAVER® By Unilock
Colour: Granite Blend
Size: a. 300x300x70mm
b. 150x300x70mm
Pattern: Stacked End to End
- 3. Precast Unit Pavers (Accent Strip)**
Type: EUROPAVER® By Unilock
Colour: Dark Charcoal
Size: a. 150x300x70mm
b. 150x150x70mm
c. 300x300x70mm
Pattern: Stacked End to End
- 4. Precast Unit Pavers**
Type: EUROPAVER® By Unilock
Colour: Burnt Oak
Size: 300x300x70mm
Pattern: Stacked End to End
- 5. Cycle Track: PreMark Preferential Bike Lane Markings by HUB Surfacing**
a: Colour: E-F BIKE LANE GREEN
b: Colour: White Symbol/Text
- 6. C.I.P. Concrete Flush Curb/Restraint**
- 7. C.I.P. Concrete Curb per Region Standard**
- 8. C.I.P. Concrete Continuity Strip**
- 9. Turf Area w/in Setback**

Existing Trees

NOTES:

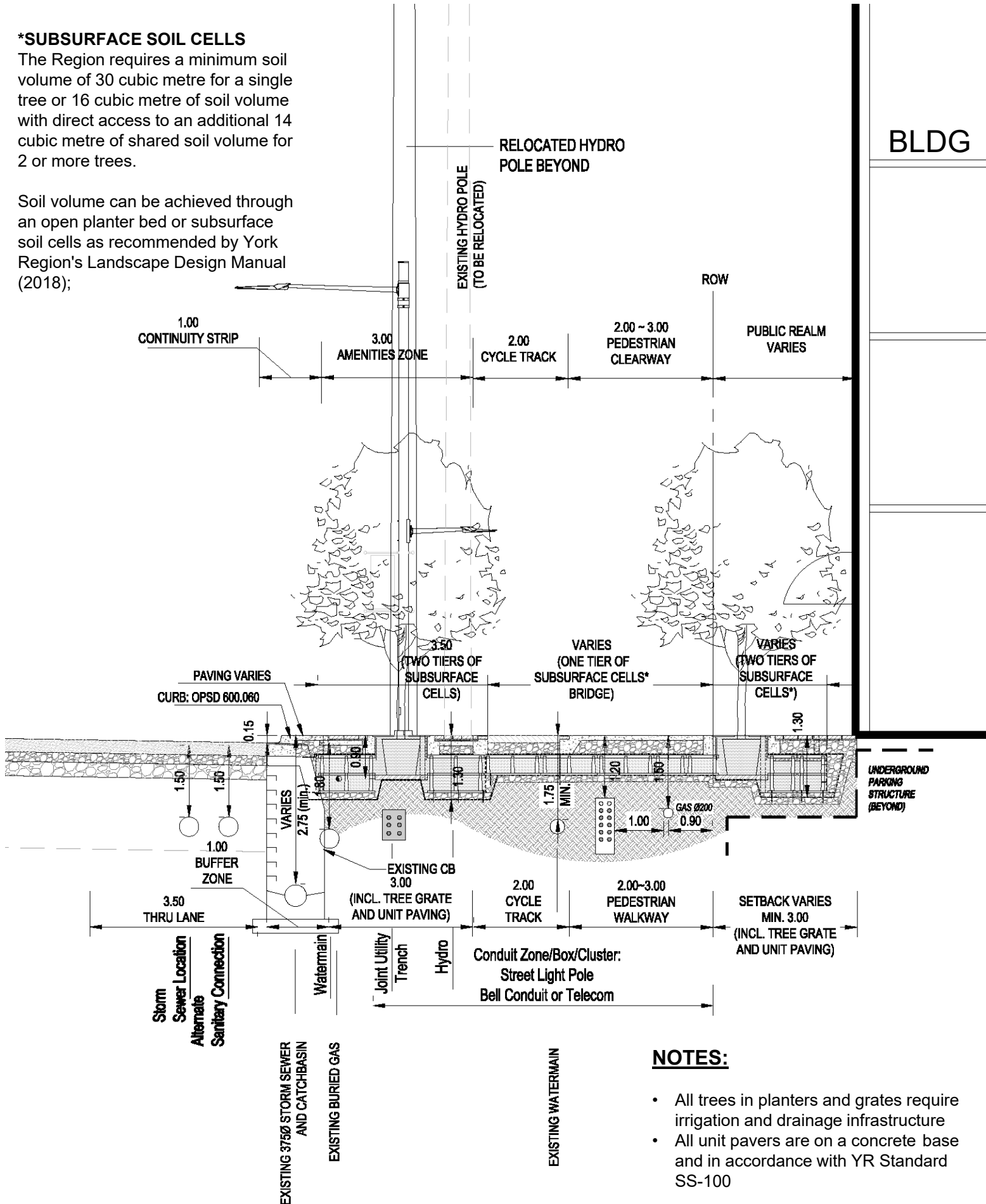
- Street furniture shall be in accordance with the Accessibility for Ontarians with Disabilities Act Standards to ensure barrier-free access is provided.
- All furnishings shall be in accordance with York Region standards and be low maintenance, vandal resistant and easily replaceable.
- The placement of transit shelter, waste receptacle and bench layout are to be determined by YRT.
- Existing, healthy trees to remain and be protected wherever possible.
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

5.1 Typical Boulevard Cross Section @ Intersection

*SUBSURFACE SOIL CELLS

The Region requires a minimum soil volume of 30 cubic metre for a single tree or 16 cubic metre of soil volume with direct access to an additional 14 cubic metre of shared soil volume for 2 or more trees.

Soil volume can be achieved through an open planter bed or subsurface soil cells as recommended by York Region's Landscape Design Manual (2018);



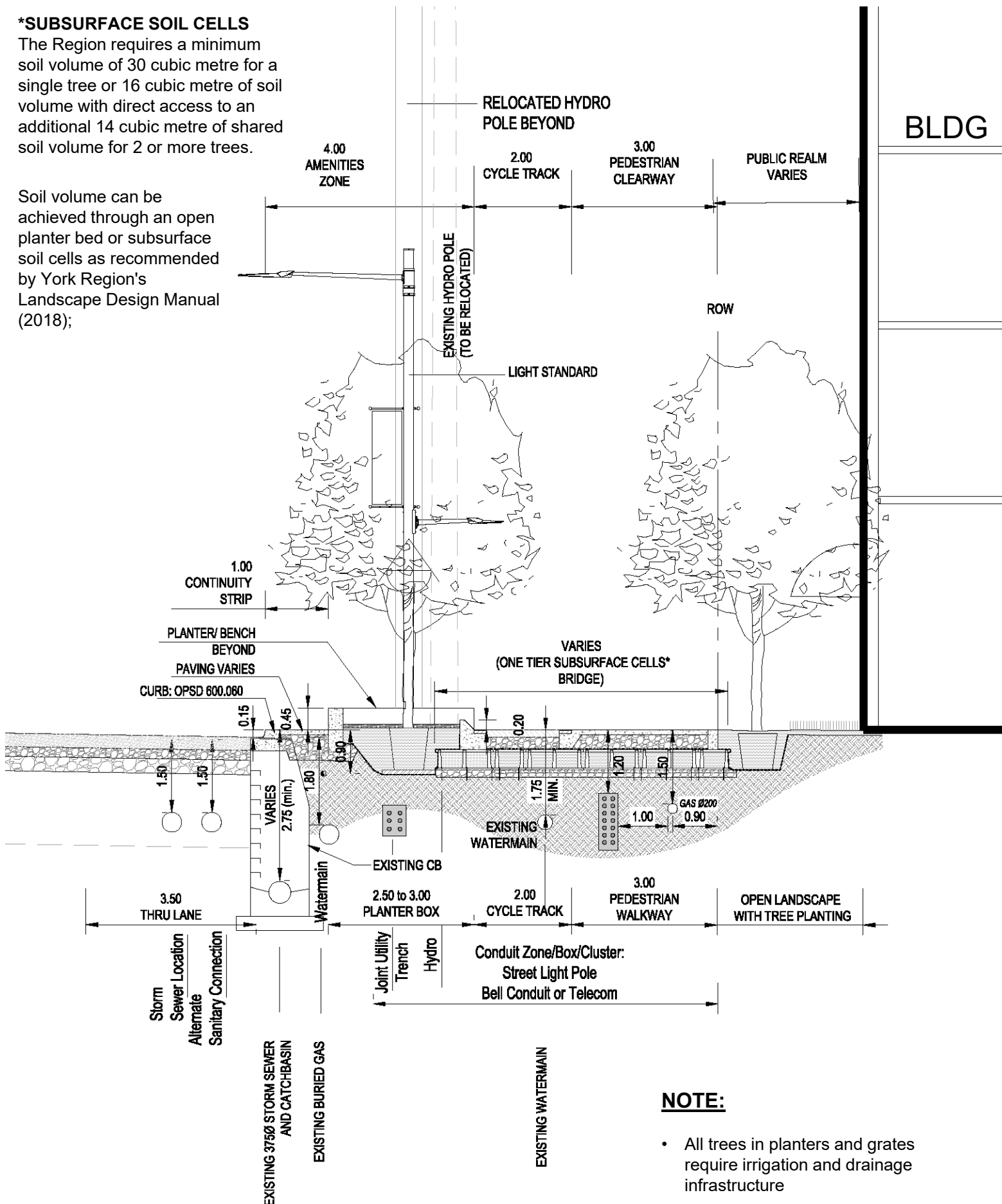
NOTES:

- All trees in planters and grates require irrigation and drainage infrastructure
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100

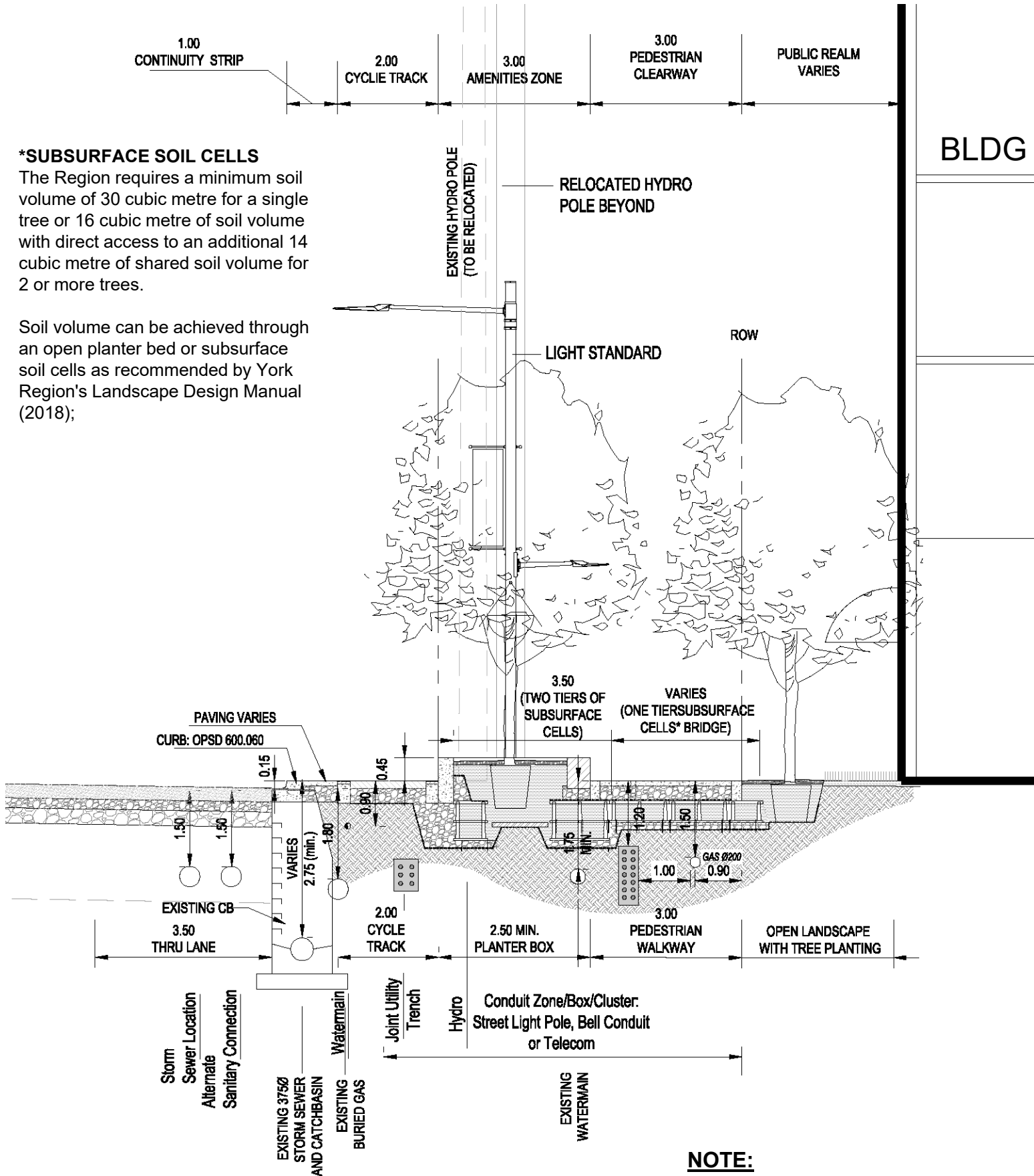
*SUBSURFACE SOIL CELLS

The Region requires a minimum soil volume of 30 cubic metre for a single tree or 16 cubic metre of soil volume with direct access to an additional 14 cubic metre of shared soil volume for 2 or more trees.

Soil volume can be achieved through an open planter bed or subsurface soil cells as recommended by York Region's Landscape Design Manual (2018);



5.3 Typical Raised Cycle Track Cross Section @ Midblock



*SUBSURFACE SOIL CELLS

The Region requires a minimum soil volume of 30 cubic metre for a single tree or 16 cubic metre of soil volume with direct access to an additional 14 cubic metre of shared soil volume for 2 or more trees.

Soil volume can be achieved through an open planter bed or subsurface soil cells as recommended by York Region's Landscape Design Manual (2018);

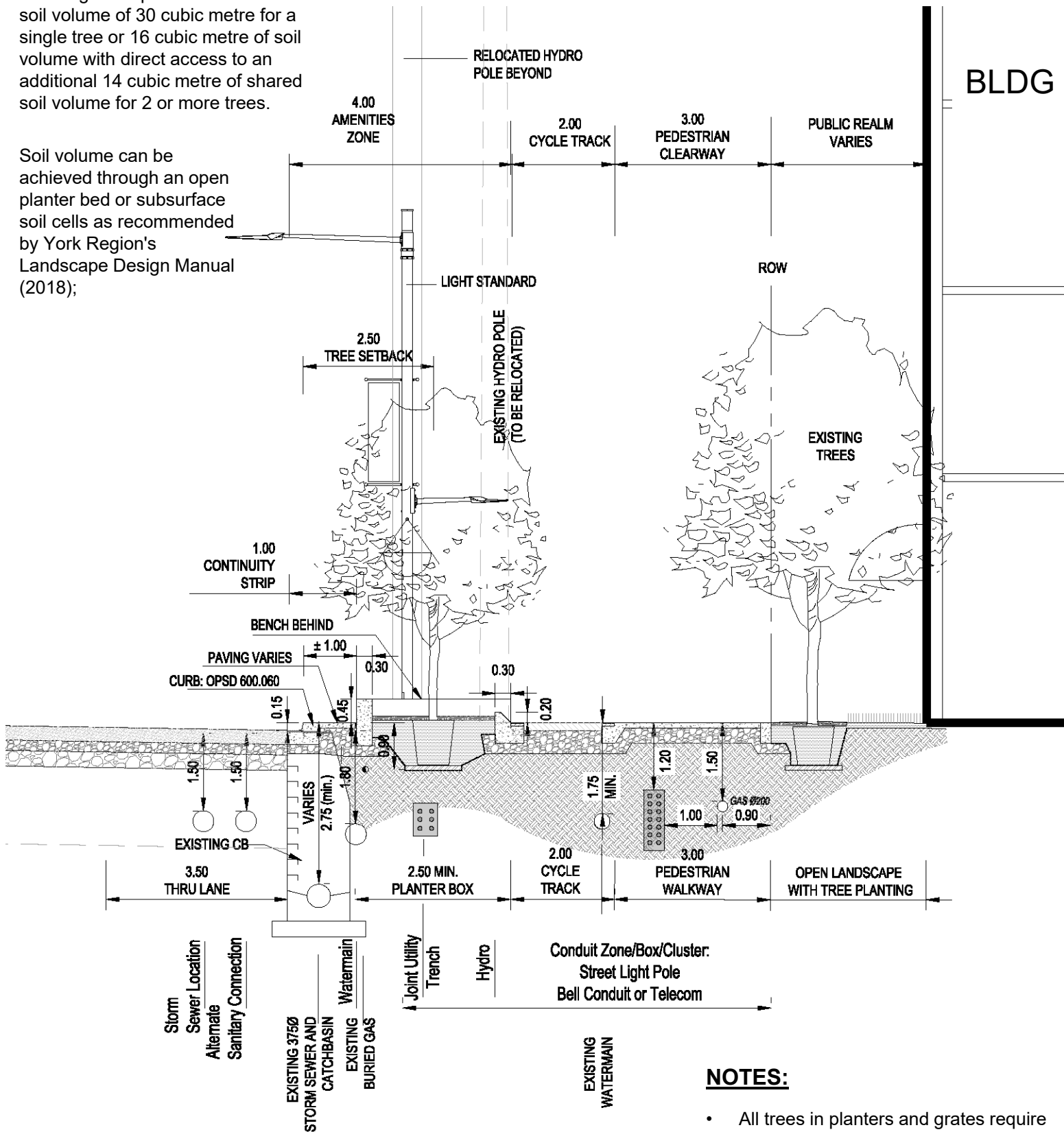
NOTE:

- All trees in planters and grates require irrigation and drainage infrastructure

***SUBSURFACE SOIL CELLS**

The Region requires a minimum soil volume of 30 cubic metre for a single tree or 16 cubic metre of soil volume with direct access to an additional 14 cubic metre of shared soil volume for 2 or more trees.

Soil volume can be achieved through an open planter bed or subsurface soil cells as recommended by York Region's Landscape Design Manual (2018);



NOTES:

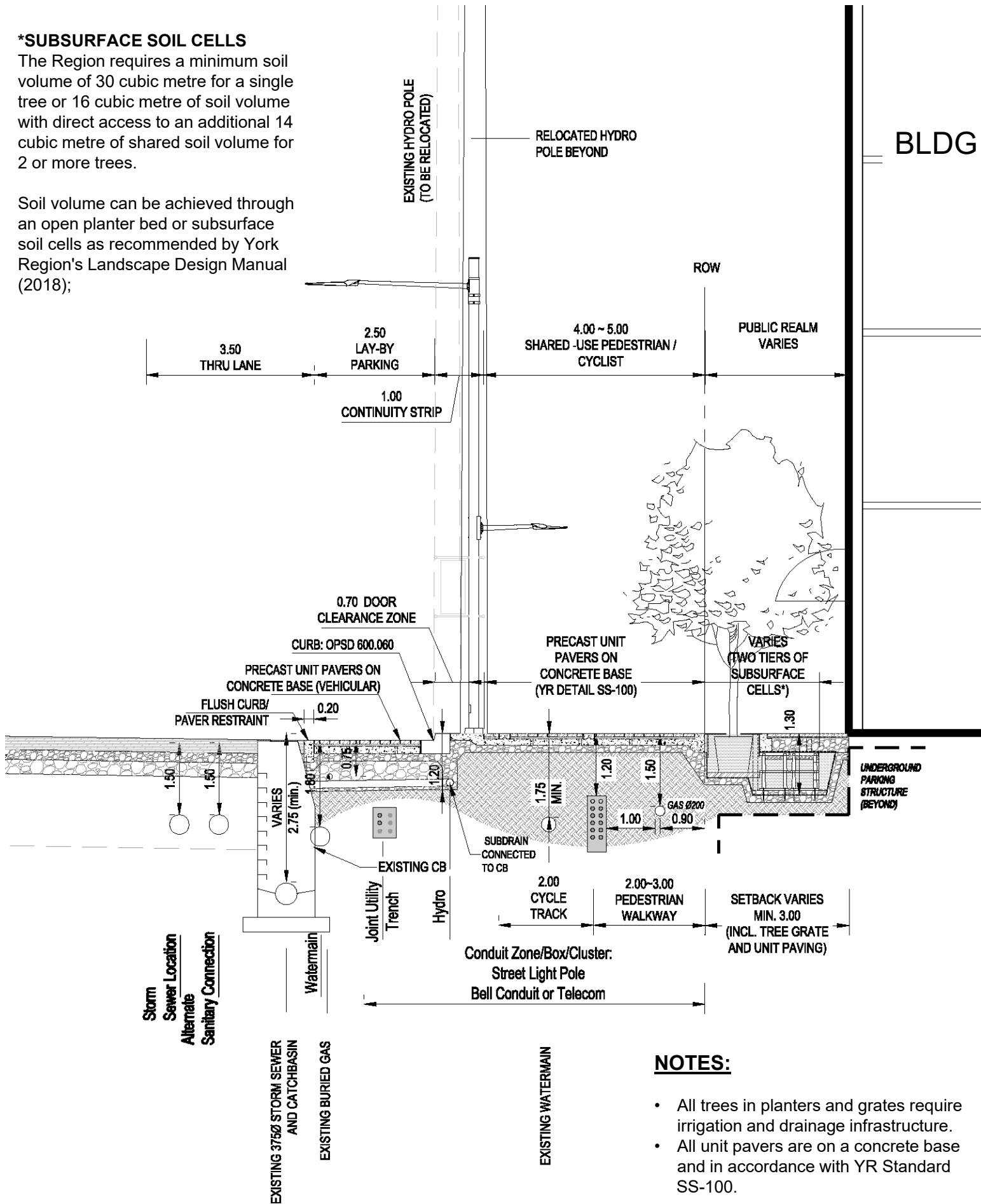
- All trees in planters and grates require irrigation and drainage infrastructure.
- Trees planted in "Open Landscape" require Engineered Growing Media (EGM) trenches.

5.5 Lay-by Parking Cross Section @ Midblock

*SUBSURFACE SOIL CELLS

The Region requires a minimum soil volume of 30 cubic metre for a single tree or 16 cubic metre of soil volume with direct access to an additional 14 cubic metre of shared soil volume for 2 or more trees.

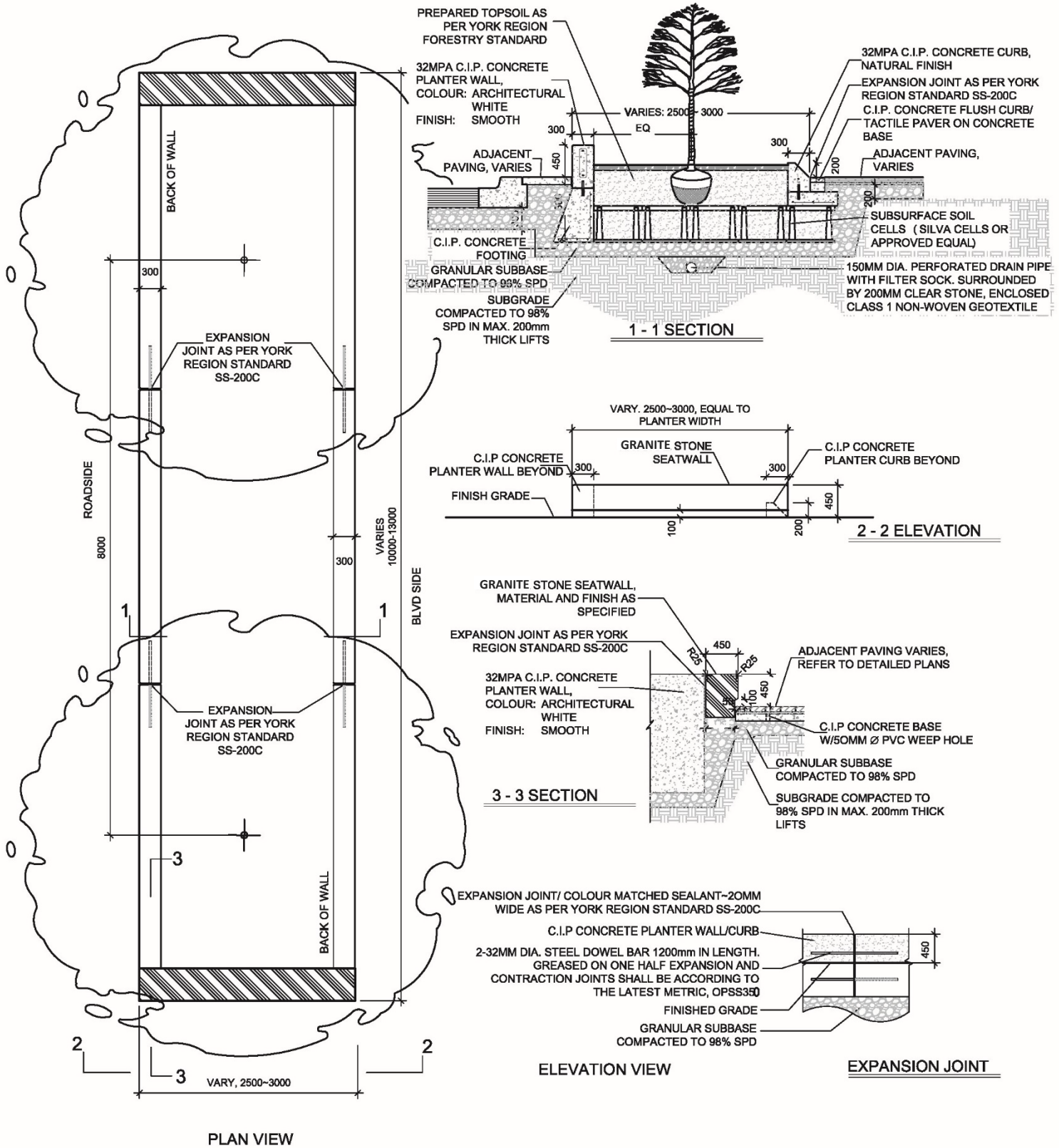
Soil volume can be achieved through an open planter bed or subsurface soil cells as recommended by York Region's Landscape Design Manual (2018);



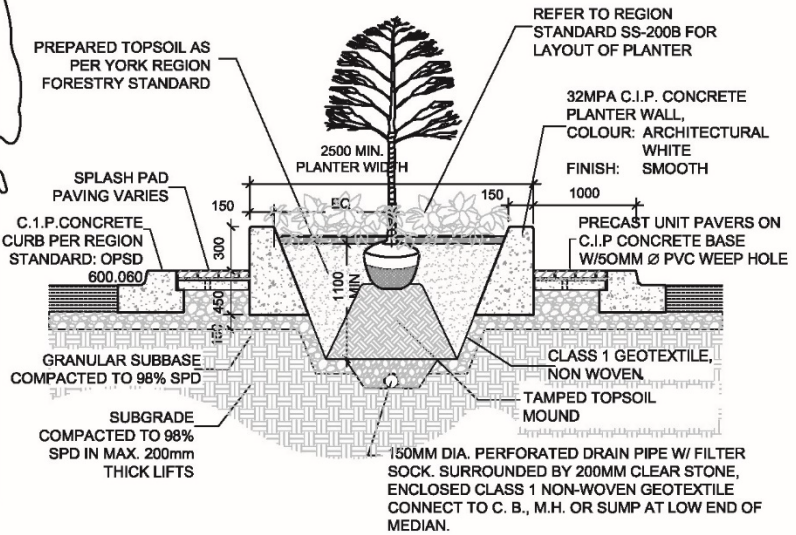
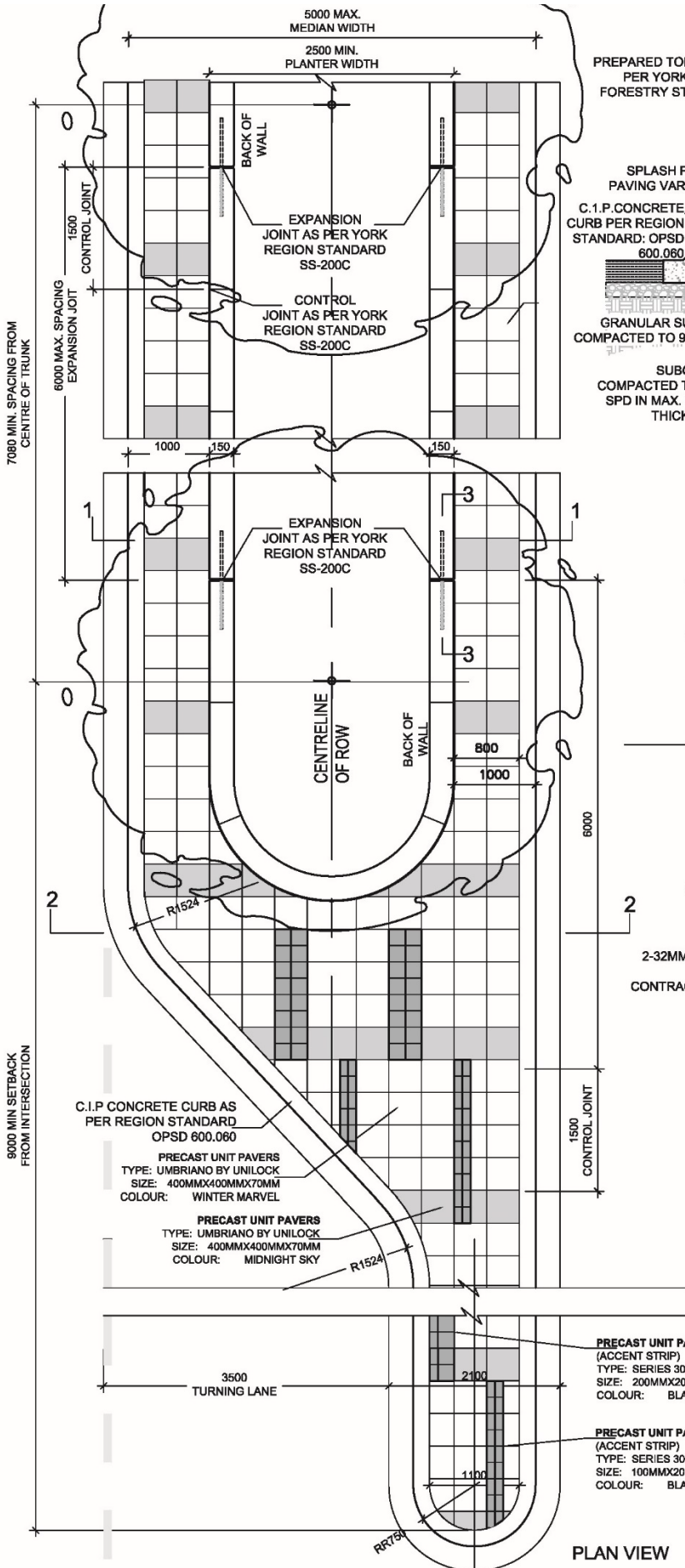
NOTES:

- All trees in planters and grates require irrigation and drainage infrastructure.
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.

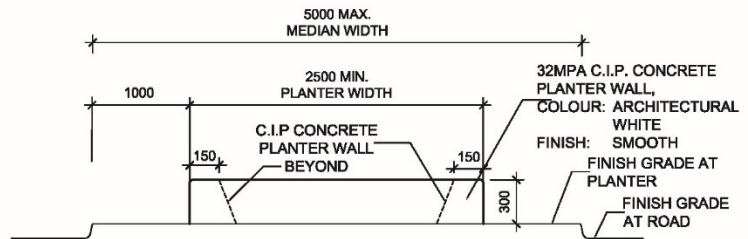
5.6 Typical Stone Seatwall+ Planter Details



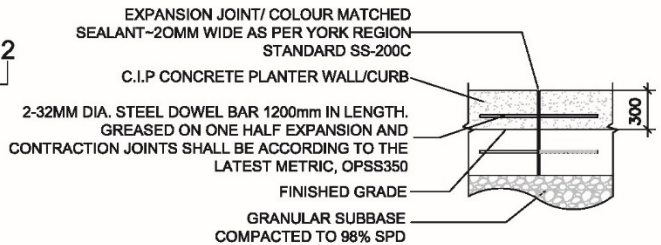
Standard
SS-100.



1 - 1 SECTION



2 - 2 ELEVATION



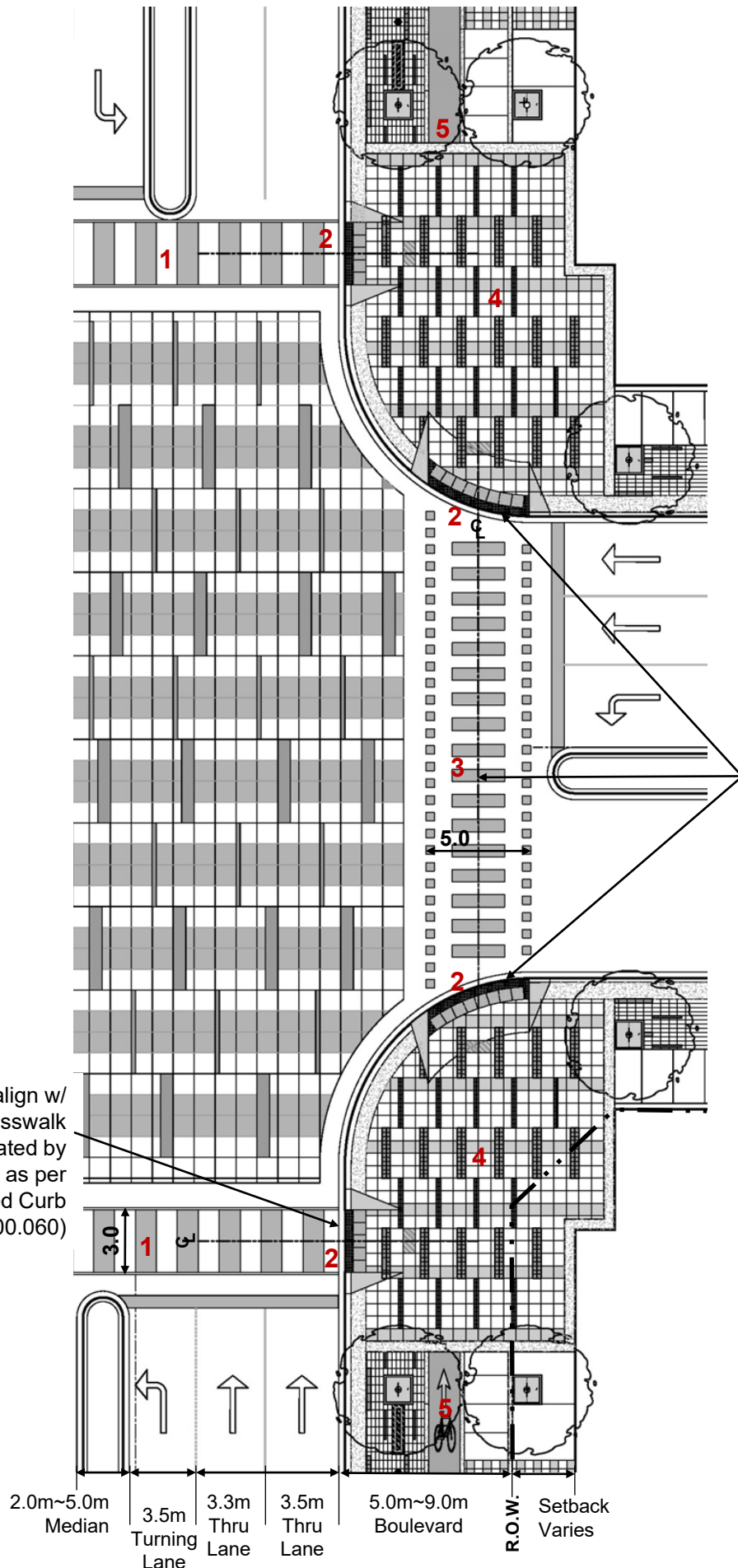
ELEVATION VIEW

PLANTER WALL EXPANSION JOINT

3 - 3 SECTION

NOTE:

- All trees in planters require irrigation and drainage infrastructure
- The Region requires a minimum soil volume of 30 cubic metre for a single tree or 16 cubic metre of soil volume with direct access to an additional 14 cubic metre of shared soil volume for 2 or more trees.
- All unit pavers are on a concrete base and in accordance with YR Standard SS-100.
- Refer to Major Intersection Boulevard of specific Character District for paver type, colour, layout pattern and size (s).
- Yonge/Steeles intersection shown



KEY

OVERALL PLAN

1. **Pedestrian Cross Walk**
TrafficPatternsXD Colour Banding per Character Area requirements
2. **Pedestrian Ramp:** Depressed Curb w/Tactile Warning Plates
3. **Crossside:** 5.0m wide per York Region Standard DS-413
4. **Pedestrian Plaza/Public Realm**
5. **Cycle Track:** 2.0mwide

Drop Curb align w/ centre of Crosswalk (to be located by York Region as per Depressed Curb OPSD600.060)

* Drop Curb align w/ centre of Crosswalk (to be located by York Region as per Depressed Curb OPSD600.060)

