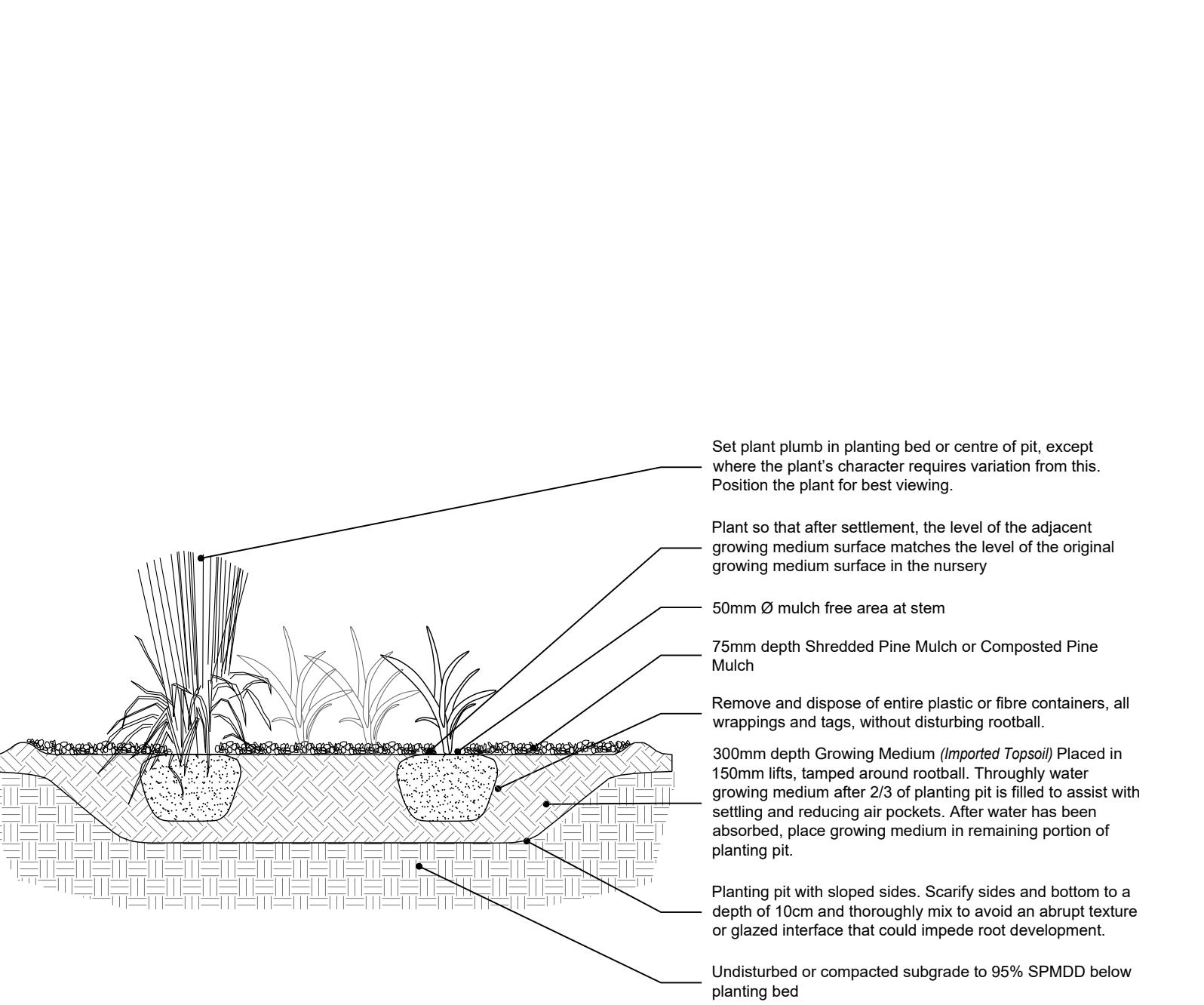
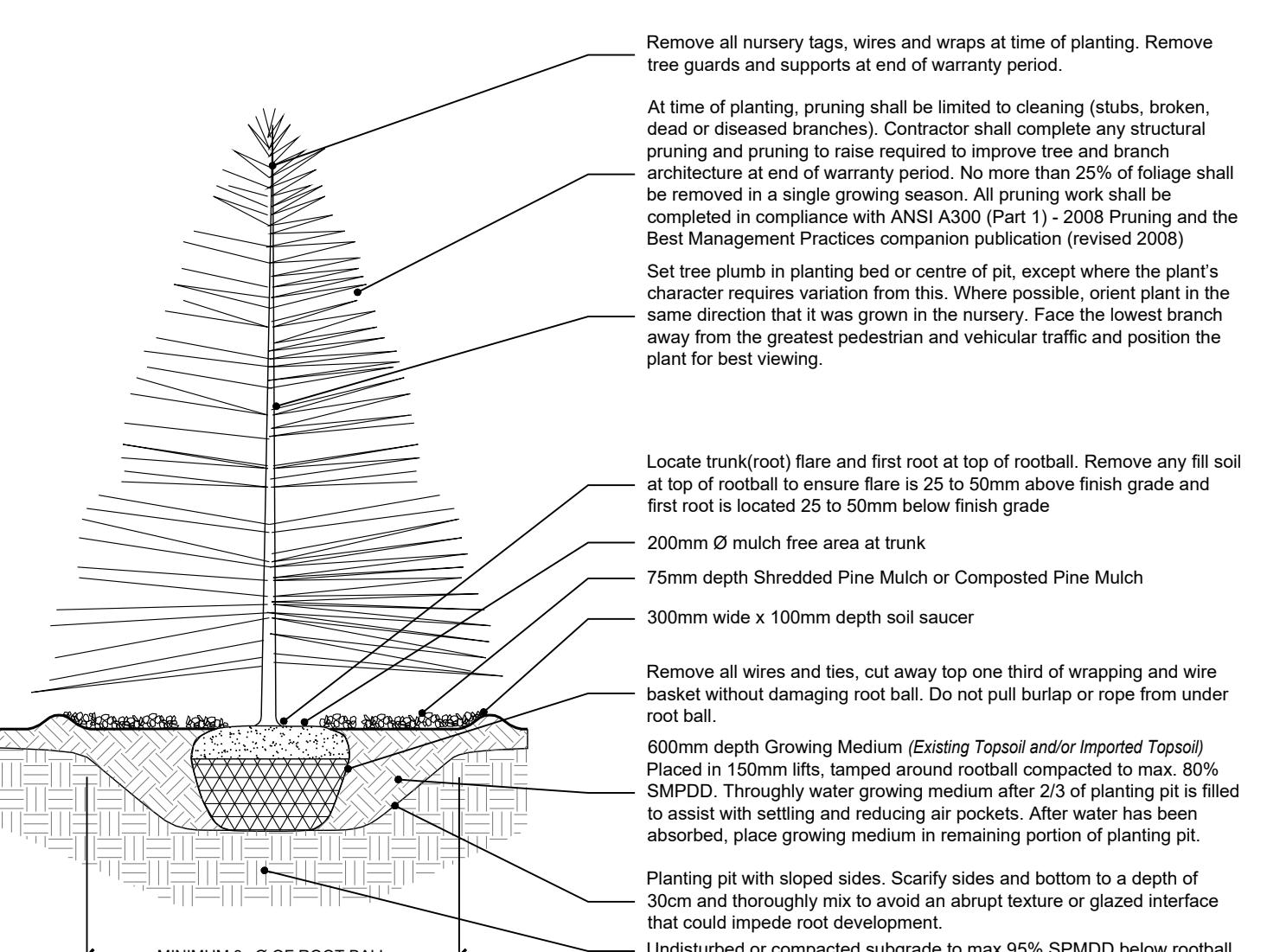


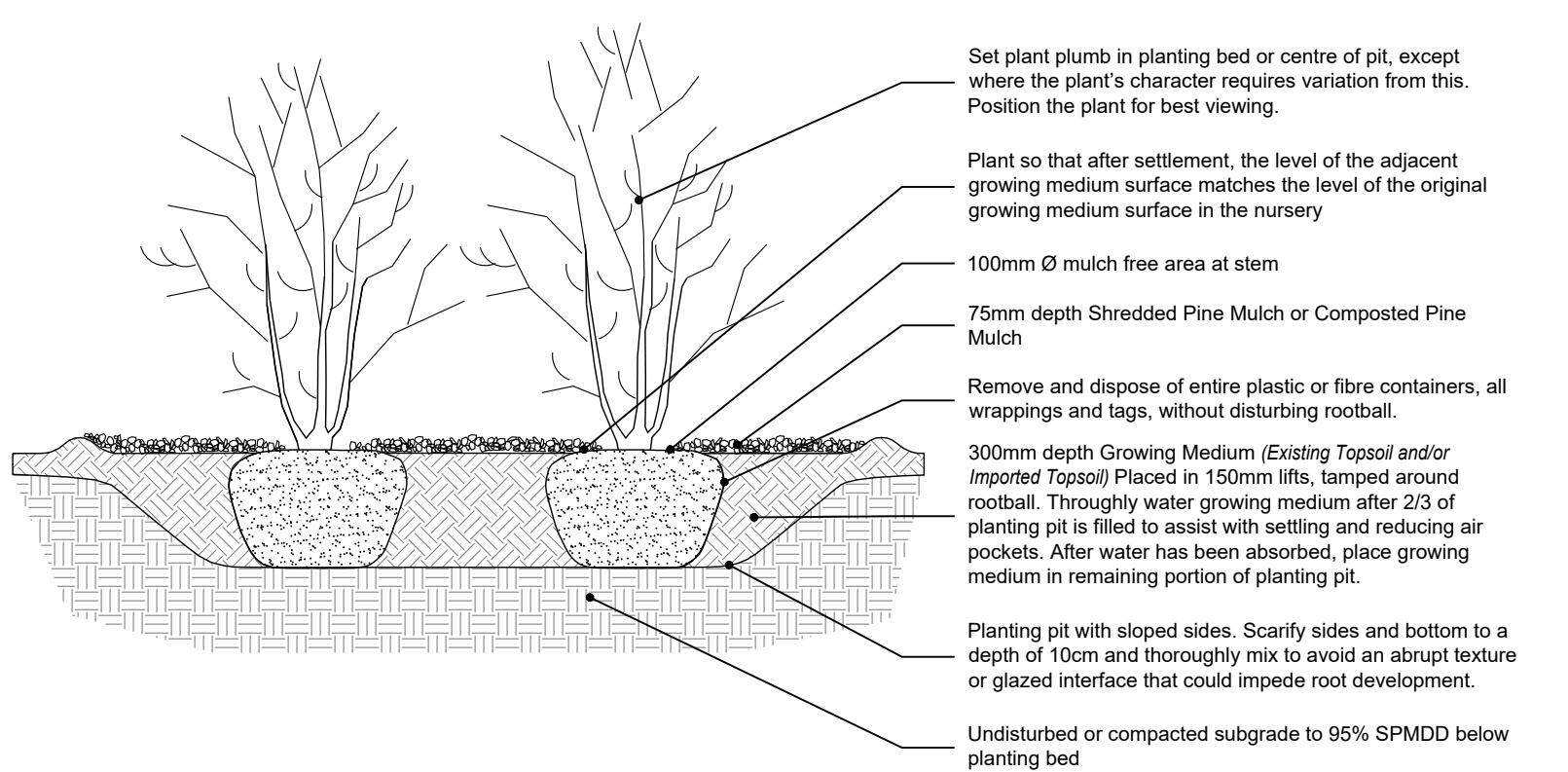
1 TYPICAL DECIDUOUS TREE PLANTING DETAIL  
LP2 N.T.S.



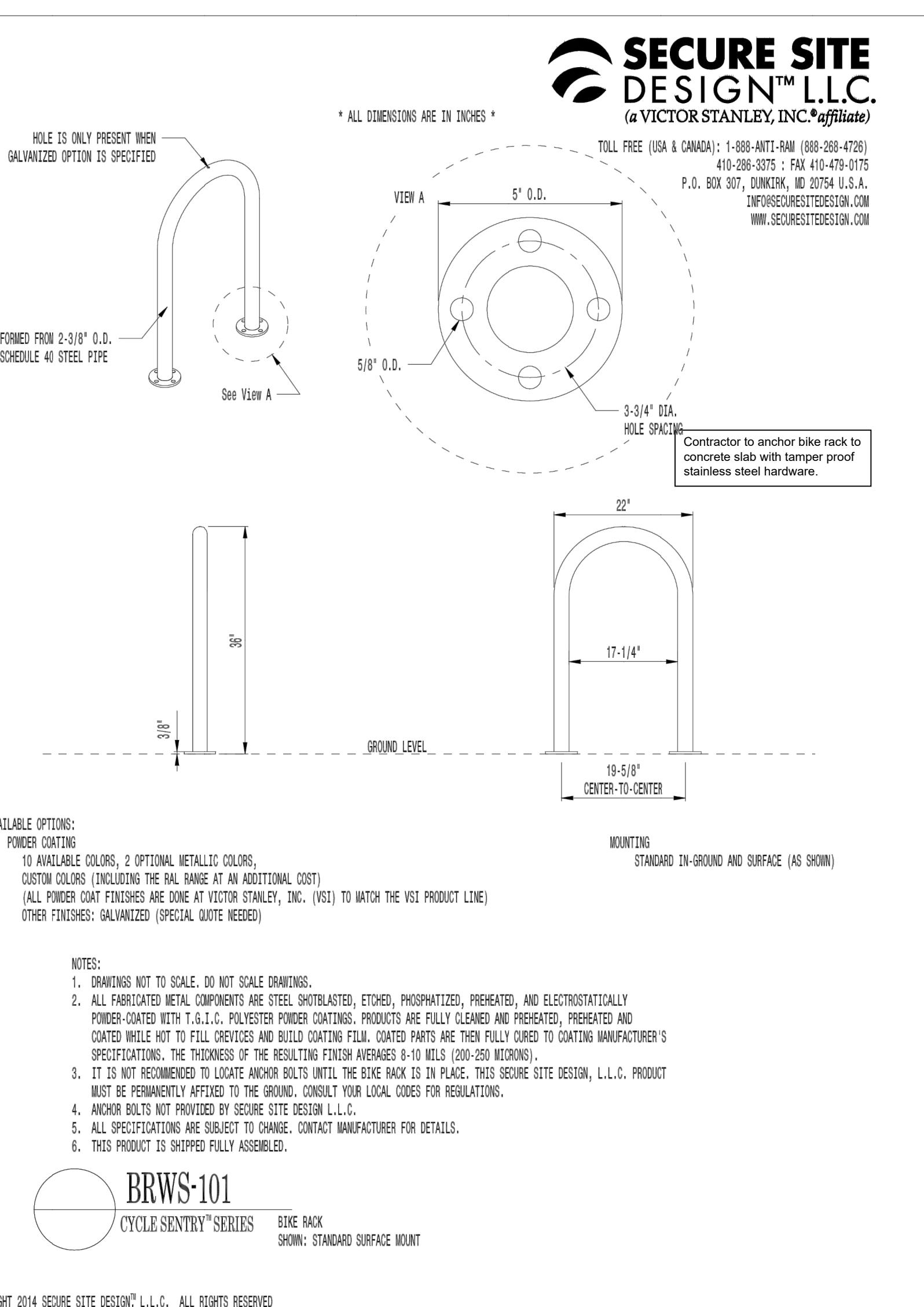
4 TYPICAL PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL - CONTINUOUS BED  
LP2 N.T.S.



2 TYPICAL CONIFEROUS TREE PLANTING DETAIL  
LP2 N.T.S.



3 TYPICAL SHRUB PLANTING DETAIL - CONTINUOUS BED  
LP2 N.T.S.



5 TYPICAL BIKE RACK DETAIL  
LP2 N.T.S.



1. Base information sources:
  - 1.1. Site Plan prepared by Khalsa Design Inc. received February 13, 2023.
  - 1.2. All dimensions are in metric unless otherwise noted.
  - 1.3. Do not scale drawings. Dimensions are to be verified on site by Contractor prior to commencement of the work.
  - 1.4. These plans shall be read in conjunction with all details, notes, reports, written specifications, general conditions, any supplemental conditions and agreement which form the contract documents.
  - 1.5. These drawings shall not be used for construction purposes unless noted as "Issued for Construction" and signed by the Landscape Architect or Professional Engineer.
  - 1.6. Contractor shall review all drawings and verify actual field conditions to determine the total scope of work and all required coordination prior to submission of bids and commencement of the work. Report any discrepancies to the Landscape Architect, for action to the satisfaction of the Owner.
  - 1.7. Contractor shall locate all underground, at grade and overhead utilities prior to commencement of the work. All utilities not necessarily shown on these drawings. Aboud & Associates assumes no responsibility for the accuracy of any utilities shown in these drawings.
  - 1.8. Contractor shall perform all work in accordance with the most current Ontario Building Code, Occupational Health and Safety Act and its regulations, as well as local municipal codes, regulations and by-laws.
  - 1.9. Contractor shall identify the location of all internal/external construction access routes, parking and storage of materials in conformance with project erosion and sediment control plans for acceptance by the Owner.
  - 1.10. Contractor shall submit shop drawings where indicated in these drawings. Shop drawings shall be certified by a Professional Engineer licensed to practice in Ontario and reviewed by the contractor for dimensional correlation with the drawings and field conditions. Fabrication of elements on shop drawings shall not proceed until drawings have been reviewed and approved by a Professional Engineer and have been accepted for general design conformance by the Landscape Architect in writing. The cost of preparing shop drawings, as well as the services of a Professional Engineer, shall be included in the Contractor's bid price.
  - 1.11. Contractor proposed substitution of materials and products shall be submitted in writing for review by Landscape Architect and acceptance by Owner and Municipality.
  - 1.12. Material quantities on drawings shall take precedent over those in lists and schedules.
13. Where traffic control is necessary, Contractor shall use the guideline of the Construction Safety Association of Ontario, municipal by-laws, the Highway Traffic Act and the Ontario Traffic Manual (Book 7). The cost of preparing, obtaining approvals and implementing traffic control plans shall be included in the Contractor's bid price, unless otherwise noted.
14. Contractor shall erect temporary barriers, as required, to secure the work area. Contractor shall maintain temporary barriers in good repair and remove at the end of the work.
15. Contractor shall provide planting layout, for general review for design conformance by Landscape Architect and acceptance by Owner. The cost of layout and grade staking, as well as the services of an Ontario Land Surveyor, shall be included in the Contractor's bid price, unless otherwise noted.
16. Contractor is responsible for protecting and/or reinstating site elements indicated in these drawings.
17. Contractor is responsible for restoration of adjacent surfaces and existing site elements damaged by the Contractor in the performance of the work, including but not limited to roads, driveways, playground equipment, utilities, buildings, curbs, sidewalks, retaining walls, fencing, turf, flowers and woody vegetation. Restoration work shall be performed by the Contractor at no cost to the Owner and be completed in conformance with applicable Provincial, Municipal or Agency standards and requirements, to the satisfaction of the Owner/Agency of the damaged element.
18. Where new paving or earthwork meets existing, smoothly blend line and grade of existing with new.
19. Plants specified on these plans are to be in accordance with the Canadian Nursery Landscape Association Canadian Standards for Nursery Stock from the Canadian Landscape Standard, current edition.
  - Only nursery grown plants will be accepted.
  - Landscape Architect reserves the right to reject any plant material not in conformance with the standard, displaying life-threatening, poor growth habits, injury, disease or not true to name. Contractor shall remove rejected plants from the site immediately and replace at no additional cost to the Owner.
20. Proposed plants which come over or under any utility shall be relocated by the Contractor for review by the Landscape Architect, to the satisfaction of the utility provider.
21. All work and materials are to be warranted by the Contractor for twenty-four (24) months from date of initial acceptance of all items by Municipal Staff and Project Landscape Architect.
- 21.1. The Contractor shall perform maintenance, as described in these drawings for all the installed trees, shrubs, grasses and seeding during the warranty period.

## GENERAL LANDSCAPE NOTES

Plant characteristics, rootballs, rootball standards *including minimum rootball diameters*, harvesting practices, transporting, unloading, handling/protection, scheduling, water/irrigation, digging of plants and preparing roots prior to planting in accordance with the section 9 of the Canadian Landscape Standard. Do not perform work under adverse field conditions such as frozen soil, excessively wet soil or soil covered with snow, ice, or standing water. Planting Contractor to supply required water, free from any organic or chemical contaminants detrimental to humans, animals or healthy plant growth, during planting work and, if retained by the Owner, maintenance work during warranty period. Where Owner completes maintenance work by own forces or retains a separate Contractor to perform maintenance work, source of water free from any organic or chemical contaminants detrimental to humans, animals or healthy plant growth, is to be agreed upon prior to commencement of work.

## GENERAL PLANTING NOTES

1. Perform following maintenance operations from time of planting to end of warranty period two (2) years following substantial performance of the work.
  - 1.1. Water to soil moisture conditions for optimum establishment, growth and health of plant material without causing erosion. In a typical loam soil, optimum soil moisture in planting beds at root depth is 65% of field capacity. Guidelines during a typical growing season are as follows:
    - 1.1.1. Deep root water newly planted plants once per week for the first three weeks, such that the water penetrates to a minimum depth of 300mm.
    - 1.1.2. Deep root or surface water trees and shrubs a minimum of every ten (10) days between May 15 and September 15.
    - 1.1.3. Deep root or surface water trees and shrubs a minimum of every twenty-one (21) days between September 15 and freeze up.
    - 1.1.4. Water evergreen plants thoroughly in late fall prior to freeze up to saturate soil around root system.
  - 1.2. Soil moisture to be monitored throughout the growing season. Watering schedule to be increased when plant materials are reaching the permanent wilting point.
  - 1.2.1. Watering schedule to be reduced when a sufficient volume of rainfall has penetrated the soil fully as required.
  - 1.3. Replace or respread damaged, missing or disturbed mulch.
  - 1.4. If required to control insects, fungus and disease, use appropriate control methods in accordance with Federal, Provincial and Municipal regulations. Obtain product approval from Consultant prior to application.
- 1.5. Control outbreaks of perennial weeds as directed by Consultant, and annual weeds by mechanical or chemical means utilizing acceptable integrated pest management practices to meet acceptance/success targets.
  - 1.5.1. If chemical means are used, comply with all municipal, provincial, and federal legislation and regulations.
  - 1.6. Remove dead or broken branches from plant material using clean sharp horticultural tools using current arboricultural practices.
  - 1.7. Keep trunk protection and guy wires in proper repair and adjustment.
  - 1.8. Provide adequate protection from winter, wind and rodent damage.
  - 1.9. Remove and replace dead plants and plants not in healthy growing condition. Make replacements in same manner as specified for original plantings, unless otherwise directed by Consultant.
  - 1.10. Remove trunk protection, tree supports and level watering saucers at end of warranty period, unless otherwise directed by Consultant.
  - 1.11. Submit monthly written reports in during the growing season (April - September) to Consultant identifying:
    - 1.11.1. Maintenance work carried out.
    - 1.11.2. Watering method, quantity of water used, water source.
    - 1.11.3. General development and condition of plant material.
    - 1.11.4. Preventative or corrective measures required which are outside Contractor's responsibility.

## LANDSCAPE MAINTENANCE NOTES

**ABOUD & ASSOCIATES INC.**  
Consulting Arborists • Ecologists • Landscape Architects  
3-5 Edinburgh Rd S, Guelph, Ontario, N1H 5N8, 519.822.6839, www.abouding.com

Title:

**582 ESSA ROAD**  
CITY OF BARRIE  
KHALSA DESIGN

Date: JANUARY 2023 Designer: JGL  
Project: AA22-266A Drawn: JGL/EE  
Scale:N/A Checked: EE



Drawing No:

**LP2**