

NACL - UPLANDS DRIVE

3425 Uplands Drive, Nanaimo, BC

LANDSCAPE ARCHITECTURAL DRAWINGS

ISSUED FOR DEVELOPMENT PERMIT - AUGUST 09, 2024

LANDSCAPE DRAWING SCHEDULE

L0.00 Cover Page

L1.01 Landscape Plan

L1.02 Landscape Sections

L1.03 Landscape Details

1. Perimeter Fence
2. Post & Rail Fence
3. Bike Rack
4. Bollard Light

L2.01 Planting Plan Northeast

L2.02 Planting Plan Southeast

L2.03 Planting Plan West

L2.04 Planting Notes & Plant List

L3.01 Tree Management Plan

L3.02 Tree Management Plan

L3.03 Tree Management Plan

L3.04 Tree Management Plan

DESIGN PRECEDENTS



01 Big Leaf Maple: native tree canopy preserved and restored



02 Evergreen native ground covers dominate plant palette to reinforce forest understorey



03 Feature deciduous tree: White Flowering Dogwood, Cornus 'Eddie's White Wonder'



04 Common area bench with back rest



05 Raingarden common area bridge with bench, and pedestrian path



06 Raingarden common area bridge with bench



07 Sunken garden, deciduous trees, groundcovers and logs



08 Fallen logs through forest planting for secondary movement and exploration



09 Accessible forest walk

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| NO. | DATE | ISSUE |
|-----|------------|--------------------|
| 1 | 08-09-2024 | DEVELOPMENT PERMIT |

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RECEIVED
DP1360
2024-OCT-03
Current Planning

PROJECT

UPLANDS DRIVE
3425 UPLANDS DRIVE
NANAIMO, BC

COVER PAGE

PROJECT ID 21004

DB KS CB KS

SCALE AS NOTED
DATE 2023-10-01

L0.00

TEMPORARY SRW
(2m wide, connects UplandS Drive to the 3m ROW Public Multi-use Path)

FENCE TYPE 02
(post & rail fence, 1.2m high, public/private property marker)

FOREST WALK
(accessible path connecting residents to the forest edge and raingarden)

FENCE TYPE 02
(post & rail fence, 1.2m high, public/private property marker)

RAINGARDEN
(site stormwater management, planted with a mix of indigenous shrubs & perennials)

BRIDGE
(accessible pedestrian crossing over raingarden with bench)

COMMON SITTING AREA
(accessible sitting area, connects to amenity space)



LANDSCAPE & TREE LEGEND

| | | | |
|--|---------------------------------------------------------------------------------------------------|--|--------------------------------------|
| | BENCH Quantity: 6 | | Existing Trees to Remain |
| | BICYCLE RACK Total Capacity: 6 bikes Quantity: 3 | | Coniferous Trees |
| | ENTRANCE / EXIT - MAIN | | Po (8) Picea Omorika Bruns |
| | ENTRANCE / EXIT - SECONDARY | | Pc (14) Pinus contorta var. contorta |
| | FENCE TYPE 01 Cedar Board Perimeter Height: 1.8m Length: 98.84m | | P (25) Pseudotsuga menziesii |
| | FENCE TYPE 02 Post & Rail (Environmental Protection) Height: 1.2m Length: 104.10m | | Deciduous Trees |
| | LANDSCAPE LOG Quantity: 24 | | Ac (9) Acer circinatum |
| | LIGHTING - BOLLARD Quantity: 5 | | Am (9) Acer macrophyllum |
| | CONCRETE PAVING Area: 330.65m ² | | Ap (6) Acer palmatum 'Osakazuki' |
| | GRAVEL SURFACING Area: 167.62m ² | | Ar (8) Alnus rubra |
| | PLANTED AREA Area: 1696.98m ² | | Ce (6) Cornus 'Eddie's White Wonder' |
| | RAINGARDEN Area: 200m ² | | Qp (9) Quercus palustris 'Pingreen' |
| | | | Pp (7) Parrotia persica 'Vanessa' |
| | | | S (6) Styrax japonicus |

- ### LANDSCAPE NOTES
- It is the Contractor's responsibility to contact the Landscape Architect if the information in this drawing package requires further clarification.
 - All landscape construction to be in accordance with the **City of Nanaimo Engineering Standards & Specifications**.
 - All landscape construction to meet the current edition of the **Canadian Landscape Standards** as a minimal acceptable standard.
 - Contractor shall refer to the contract specifications for additional requirements.
 - Contractor to confirm layout of landscape plan on site with the Landscape Architect.
 - Irrigation to be designed and built by Contractor. As-built drawings required.

Refer to **Sheet L1.02** for Landscape Sections
Refer to **Sheet L1.03** for Landscape Details

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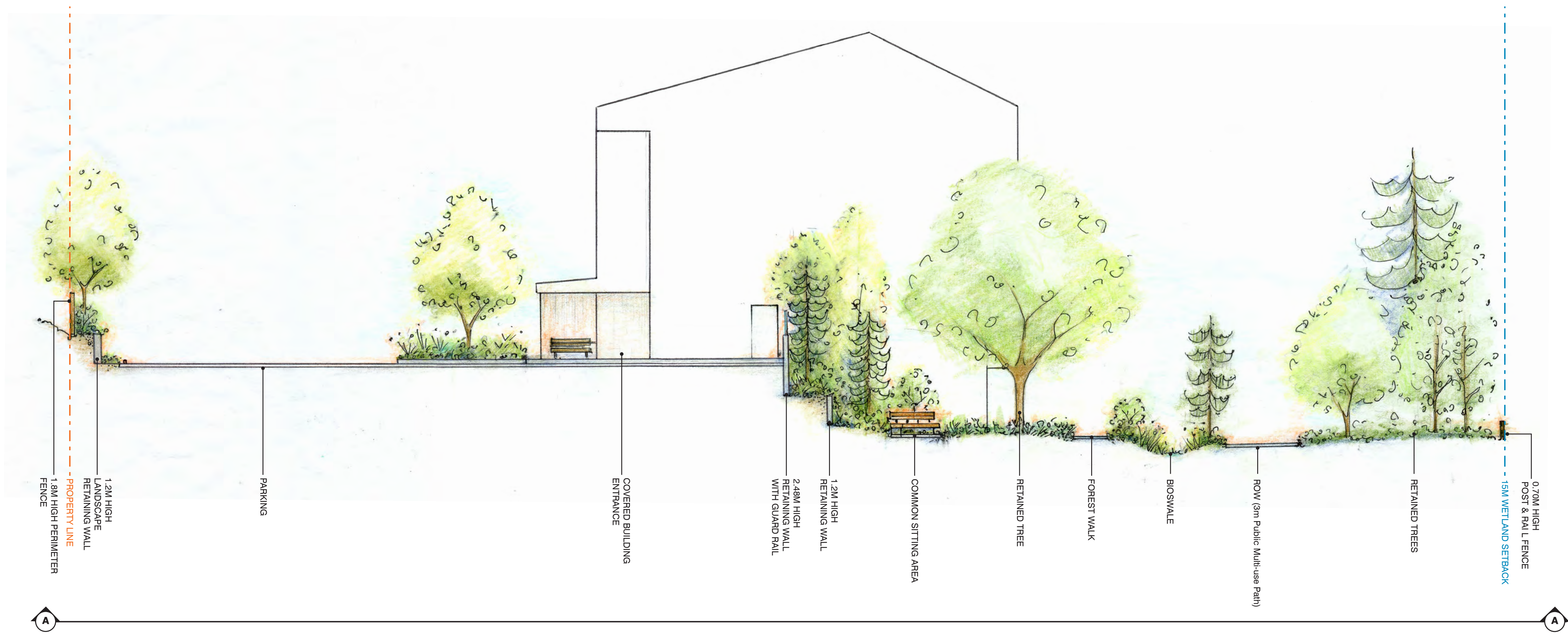
PROJECT
UPLANDS DRIVE
3425 UPLANDS DRIVE
NANAIMO, BC

PROJECT ID 21004
DB KS CB KS

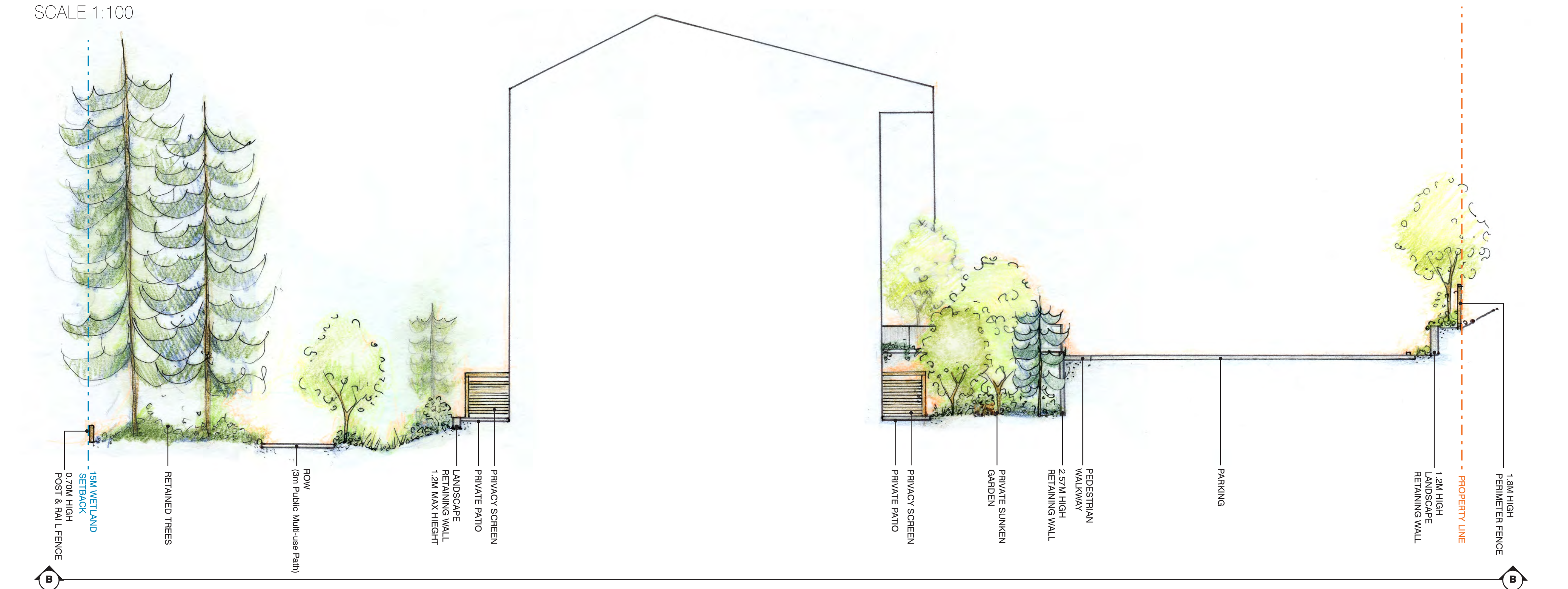
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DATE 2023-10-01

LANDSCAPE PLAN

L1.01

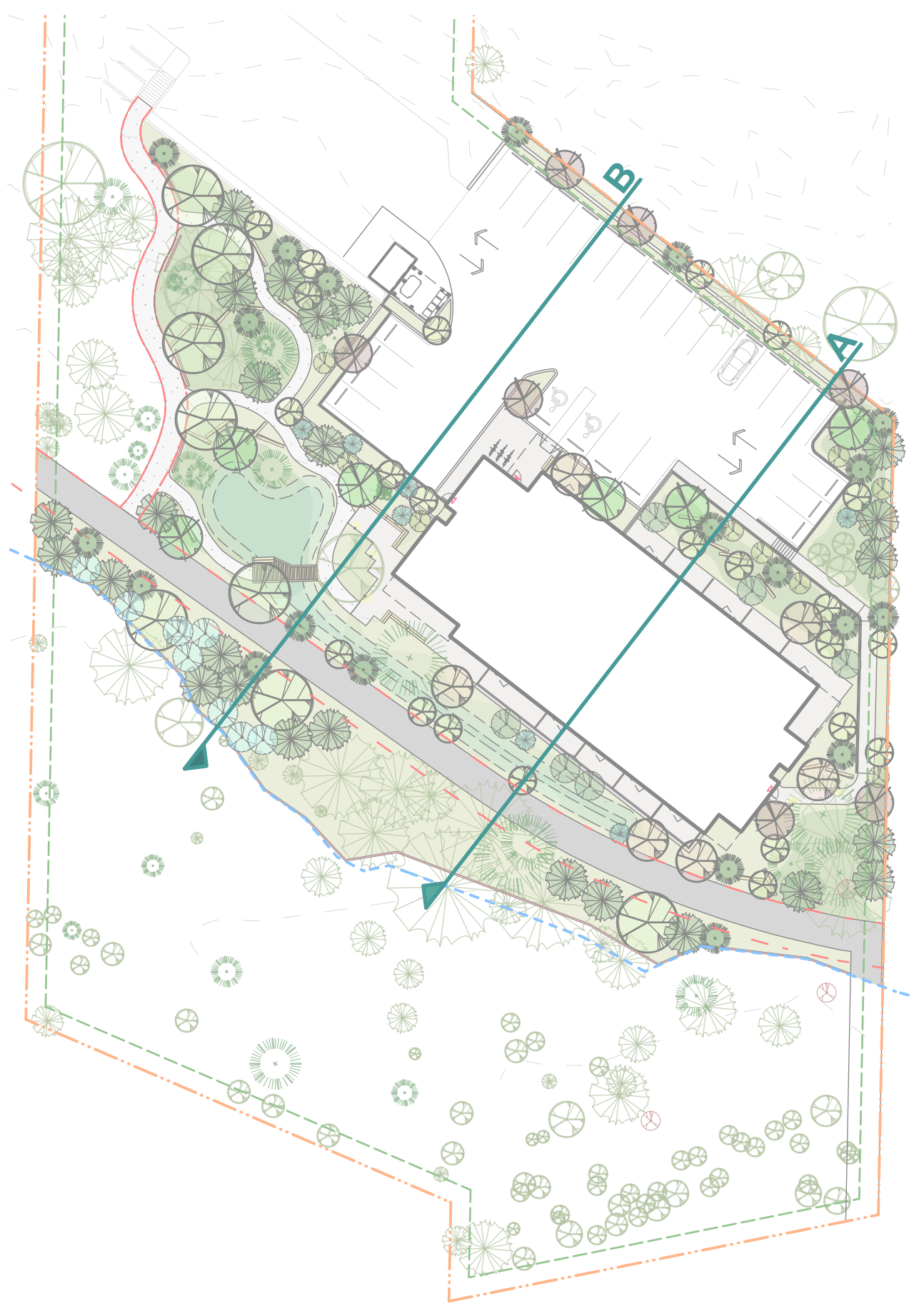


A SECTION
SCALE 1:100



B SECTION
SCALE 1:100

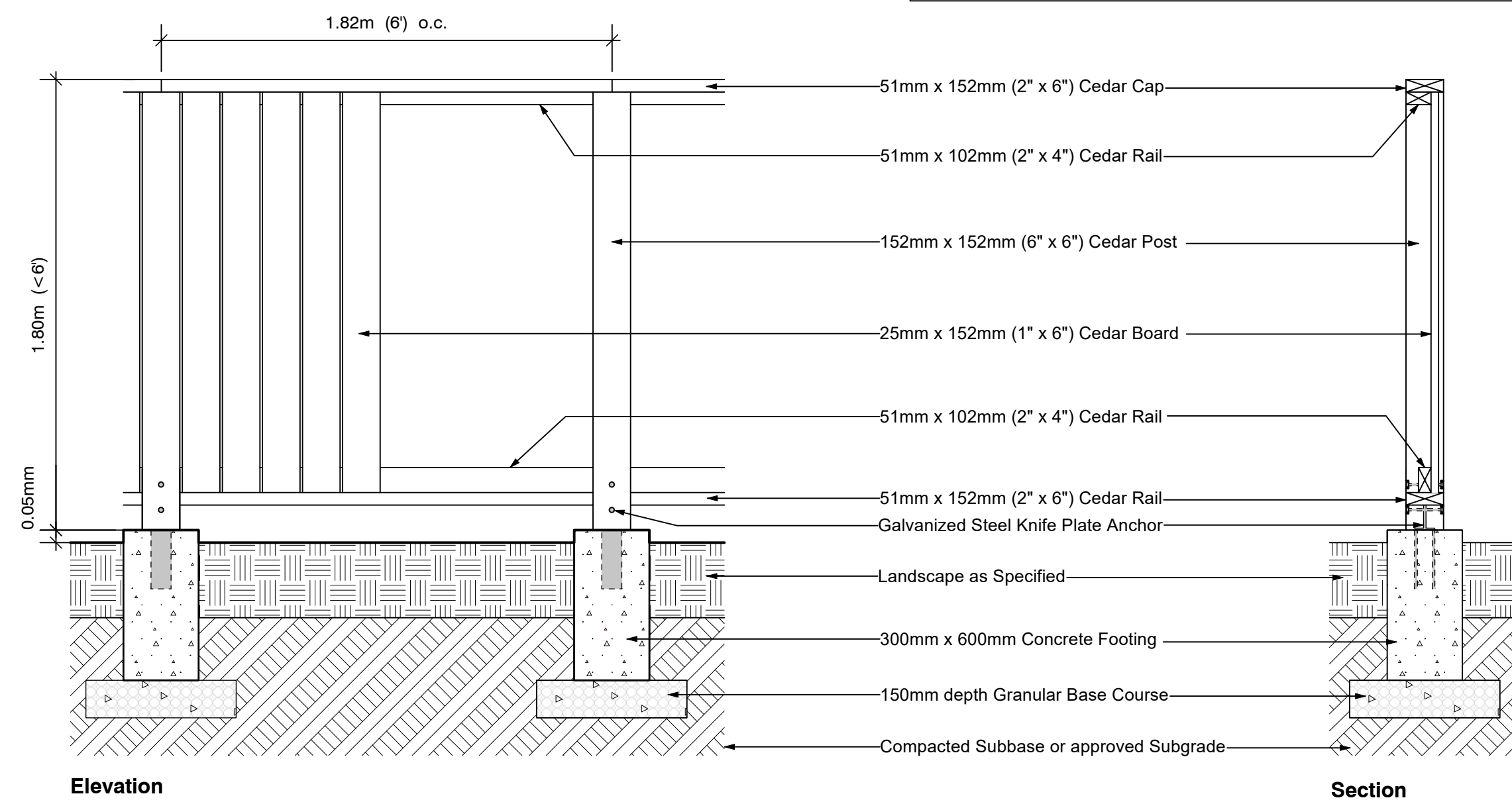
KEY PLAN



Refer to **Sheet L1.01** for Landscape Plan
Refer to **Sheet L1.03** for Landscape Details

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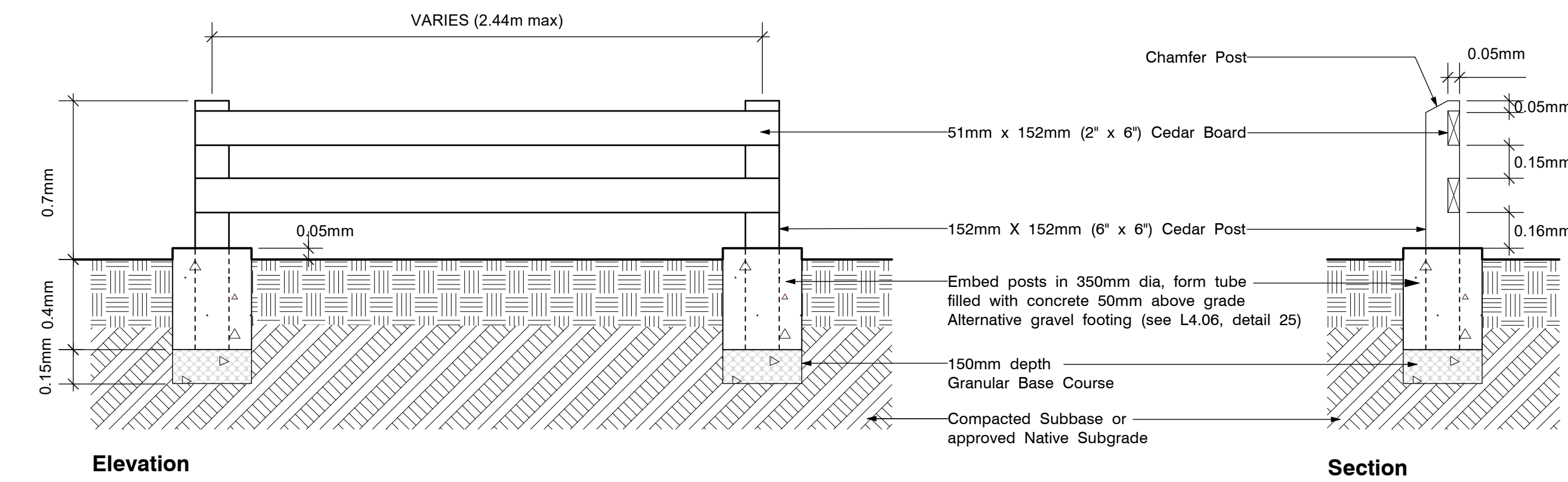
Notes:
 All wood to be selected tight knot cedar. No checks, splits, warps or waners. All cut ends to be properly sealed.
 All metal fasteners to be hot dipped galvanized.
 Cedar to be finished with clear sealer as per manufacturers instructions. Contractor to confirm finish with Landscape Architect.



1 Perimeter Board Fence
 L1.03 Scale: 1:20

Elevation / Section

Notes:
 All wood to be selected tight knot cedar. No checks, splits, warps or waners. All cut ends to be properly sealed.
 All metal fasteners to be hot dipped galvanized.
 Cedar to be finished with clear sealer as per manufacturers instructions. Contractor to confirm finish with Landscape Architect.



2 Post & Rail Fence
 L1.03 Scale: 1:20

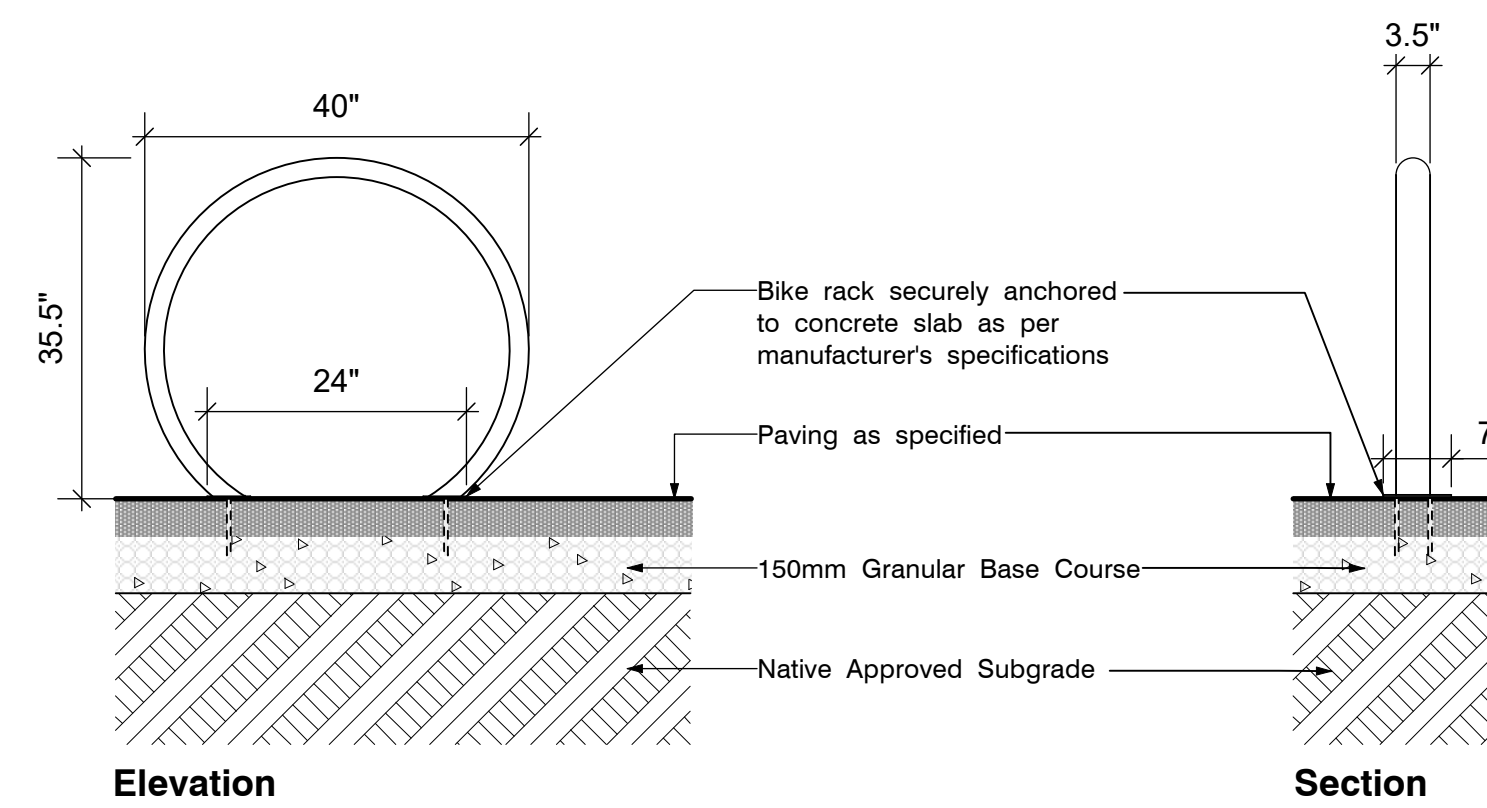
Elevation / Section

Loop 2 Space Bike Rack LBRP-1-SS (Stainless) (or eq.)
 Quantity: 3

Specifications:
 Surface Mount
 (INST-1 Stainless steel mounting kit to be included)

Capacity up to 2
 Height 35.5" (902mm)
 Width 40" (1016mm)
 Weight 16 LBS (7.25kg)
 Finish Stainless Steel

Wishbone Site Furnishings
 210-27090 Gloucester Way
 Langley, BC
 1-866-626-0476
 604-626-0476
 www.wishboneltd.com



3 Bicycle Rack
 L1.03 Scale: NTS

Elevation / Section

SOLERA SRB6D - Bollard (or eq.)
 Quantity: 5

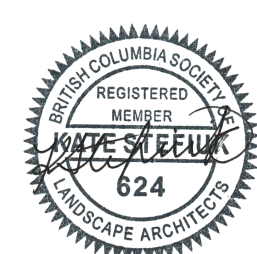
Specifications:
 Mounting / Anchoring as per manufacturers specifications.

Operating Voltage 120-277V AC
 Luminaire Lumens 1602 Lumens (3000K)
 Height 42" (1066mm)
 Diameter 6" (152mm)
 Finish Black



4 Lighting - Bollard
 L1.03 Scale: NTS

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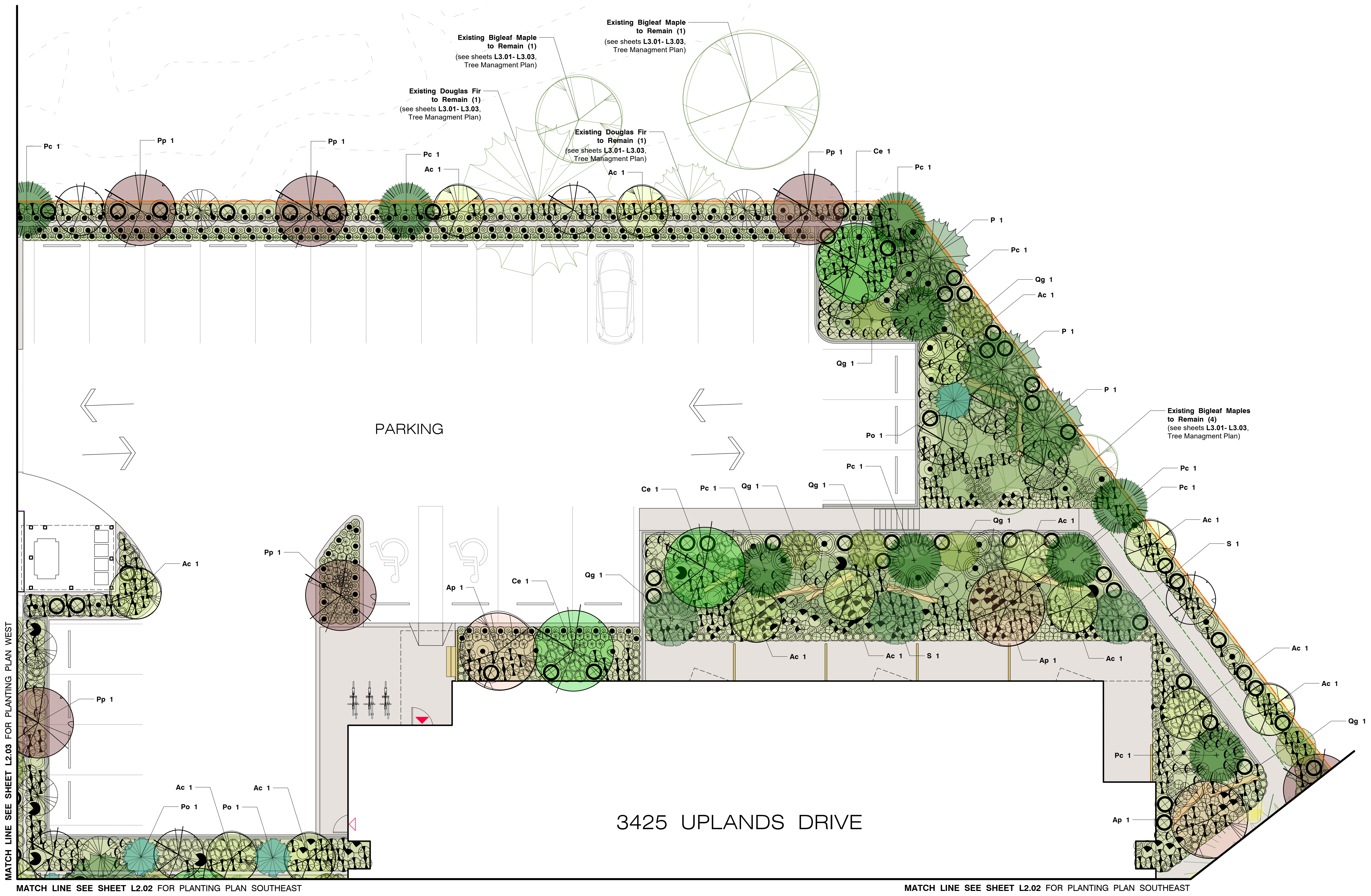
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PROJECT
 UPLANDS DRIVE
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LANDSCAPE DETAILS

PROJECT ID 21004
DB KS **CB** KS
SCALE AS NOTED
DATE 2023-10-01

L1.03



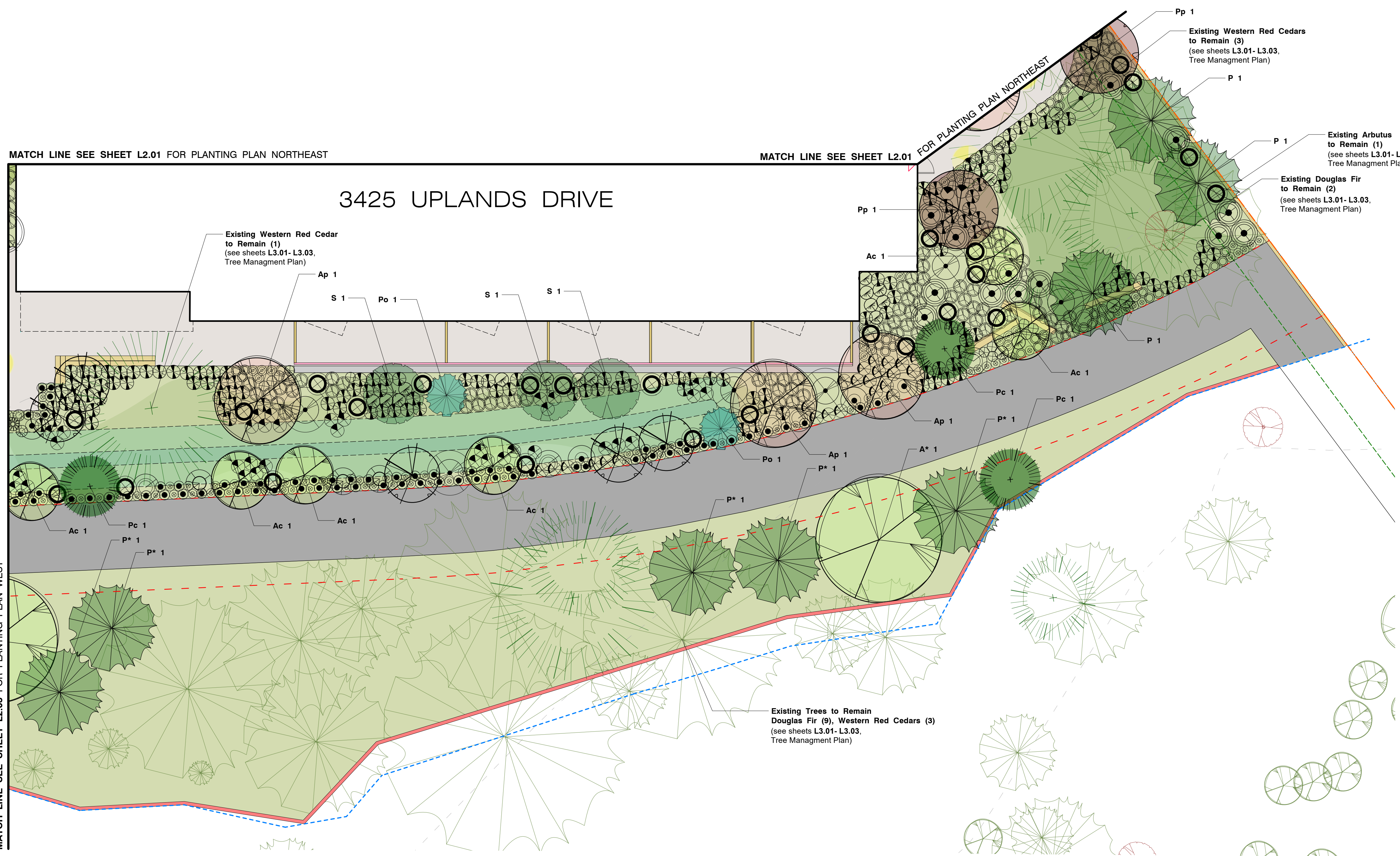
KEY PLAN



Refer to **Sheet L2.02** for Planting Plan Southeast
 Refer to **Sheet L2.03** for Planting Plan West
 Refer to **Sheet L2.04** for Planting Notes & Plant List

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PLANTING PLAN NORTHEAST
 SCALE 1:100



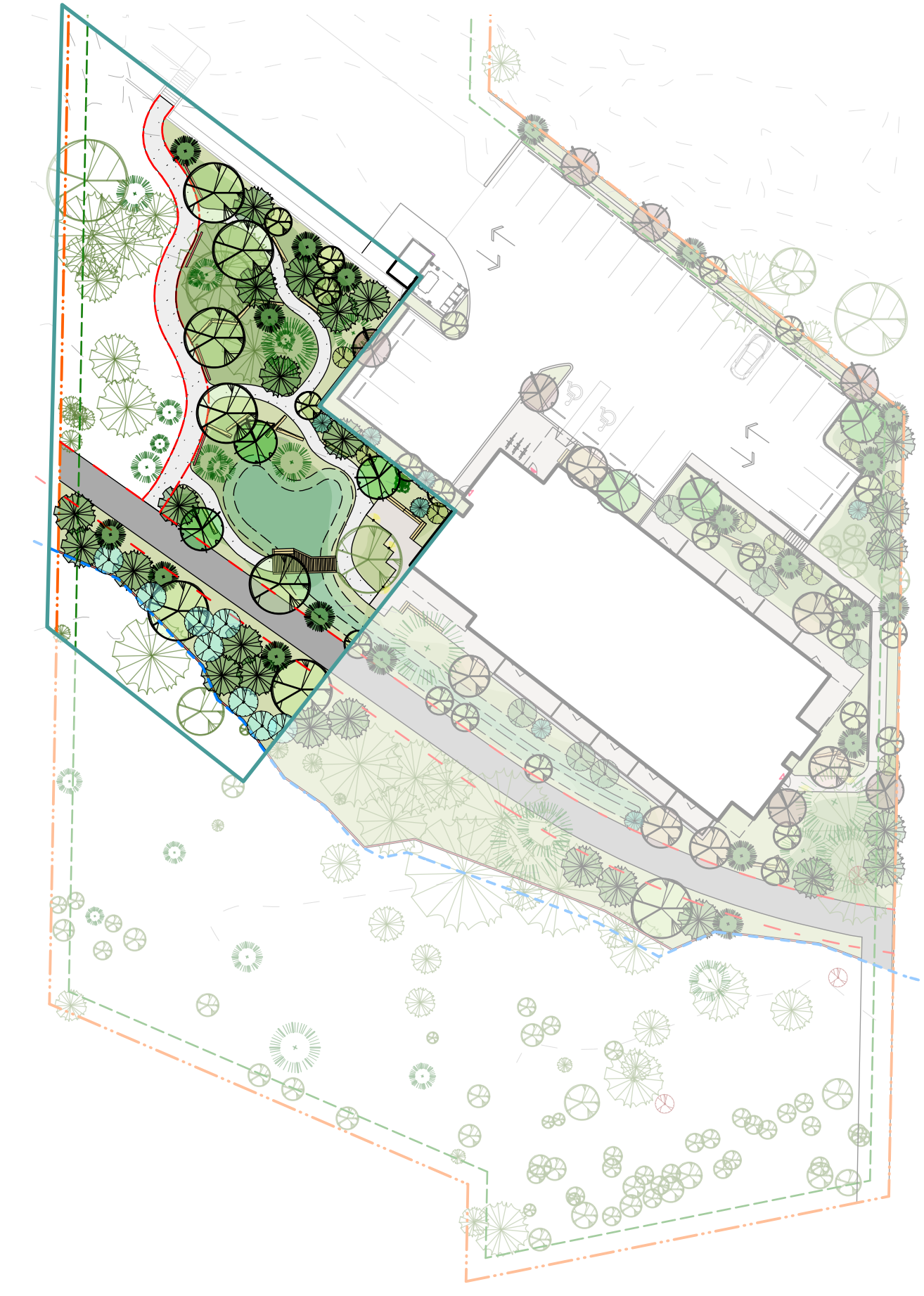
Refer to **Sheet L2.01** for Planting Plan Northeast
 Refer to **Sheet L2.03** for Planting Plan West
 Refer to **Sheet L2.04** for Planting Notes & Plant List

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PLANTING PLAN SOUTHEAST
 SCALE 1:100



KEY PLAN



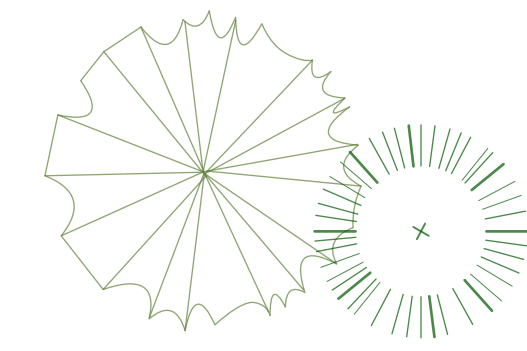
Refer to **Sheet L2.01** for Planting Plan Northeast
 Refer to **Sheet L2.02** for Planting Plan Southeast
 Refer to **Sheet L2.04** for Planting Notes & Plant List

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PLANTING PLAN WEST
 SCALE 1:100

TREE & PLANT LIST

Existing Trees to Remain



Coniferous Trees

- Po (8)** Picea Omorika Bruns
- Pc (14)** Pinus contorta var. contorta
- P (25)** Pseudotsuga menziesii

Deciduous Trees

- Ac (26)** Acer circinatum
- Am (9)** Acer macrophyllum
- Ap (6)** Acer palmatum 'Osakazuki'
- Ar (8)** Alnus rubra
- Ce (6)** Cornus 'Eddies White Wonder'
- Qp (9)** Quercus palustris 'Pingreen'
- Pp (7)** Parrotia persica 'Vanessa'
- S (6)** Styrax japonicus

Deciduous Shrubs

- Aga** Amelanchier grandiflora 'Autumn Brilliance'
- Oc** Oemleria cerasiformis
- Pl** Philadelphus lewisii
- Rs** Ribes sanguineum
- Rn** Rosa Nutkana
- Sd** Spiraea Douglasii
- Sa** Symphoricarpos albus
- V** Vaccinium (mix varieties)
- V** Vaccinium parvifolium

Evergreen Shrubs

- Arb** Arbutus unedo
- Gs** Gaultheria shallon
- Mn** Mahonia nervosa
- Vo** Vaccinium ovatum

Ferns & Groundcovers

- Ap** Adiantum pedatum
- Au** Arctostaphylos uva-ursa
- Af** Athyrium filix-femina
- Fc** Fragaria chiloensis
- Fv** Fragaria vesca
- Pm** Polystichum munitum

Perennials

- At** Achlyls triphylla
- Am** Achillea millefolium
- Af** Aquilegia formosa
- Df** Dicentra formosa
- Gl** Gaura lindheimeri
- Np** Nepeta x faassenii 'Dropmore'
- Sl** Solidago lepida
- Tg** Tellima grandiflora
- Ti** Trientalis latifolia
- To** Trillium ovatum

Vines

- Lh** Lonicera hispidula

PLANT LIST

| Key | Qty | Botanical Name | Common Name | Pot Size | Spacing | Notes |
|----------------------------------|-----|------------------------------|-------------------------|----------|------------|---------------|
| Coniferous Trees | | | | | | |
| Po | 8 | Picea Omorika Bruns | Serbian Spruce | #15 | 10m ht. | Non-native |
| Pc | 14 | Pinus contorta var. contorta | Shore Pine | #15 | 10m ht | Native |
| Pc* | 6 | Pinus contorta var. contorta | Shore Pine | #1 | 10m ht | Native |
| P | 14 | Pseudotsuga menziesii | Douglas Fir | #15 | 75m ht | Native |
| P* | 11 | Pseudotsuga menziesii | Douglas Fir | #1 | 75m ht | Native |
| Deciduous Trees | | | | | | |
| Ac | 26 | Acer circinatum | Vine Maple | #15 | 6m ht | Native |
| A | 6 | Acer macrophyllum | Big Leaf Maple | #5 | 18m ht | Native |
| A* | 3 | Acer macrophyllum | Big Leaf Maple | #1 | 18m ht | Native |
| Ap | 6 | Acer palmatum 'Osakazuki' | Japanese Maple | #15 | 6m ht | Non-native |
| Ar* | 8 | Alnus rubra | Red Alder | #1 | 15m | Native |
| Ce | 6 | Cornus 'Eddies White Wonder' | White Flowering Dogwood | #20 | 7m ht | Hybrid native |
| Qg | 9 | Quercus palustris 'Pingreen' | Columnar Pin Oak | #20 | | Non-Native |
| Pp | 7 | Parrotia persica | Persian Ironwood | #20 | 7m ht | Non-native |
| S | 6 | Styrax japonicus | Japanese Snowbell | #20 | 4m | Non-native |
| Deciduous Shrubs | | | | | | |
| Aa | 15 | Amelanchier alnifolia | Service Berry | #3 | Multistem | Native |
| Oc | 7 | Oemleria cerasiformis | June Plum | #3 | 2m o.c. | Native |
| Pl | 15 | Philadelphus lewisii | Mock Orange | #2 | 2m o.c. | Native |
| Rs | 23 | Ribes sanguineum | Red Flowering Currant | #2 | 1.2m o.c. | Native |
| Rn | 5 | Rosa Nutkana | Nootka Rose | #2 | 1.2m o.c. | Native |
| Sd | 17 | Spiraea Douglasii | Western Spirea | #2 | 1.2m o.c. | Native |
| Sy | 72 | Symphoricarpos albus | Snowberry | #1 | 1.2m o.c. | Native |
| V | 26 | Vaccinium (mix varieties) | Blueberry | #2 | 1.2m o.c. | Non-native |
| Vp | 14 | Vaccinium parvifolium | Red Huckleberry | #1 | 1.2m o.c. | Native |
| Evergreen Shrubs | | | | | | |
| Arb | 5 | Arbutus unedo 'Compacta' | Compact Strawberry Tree | #3 | 2m o.c. | Non-native |
| Gs | 366 | Gaultheria shallon | Salal | #1 | 60cm o.c. | Native |
| Mn | 252 | Mahonia nervosa | Dull Oregon Grape | #1 | 60cm o.c. | Native |
| Vo | 106 | Vaccinium ovatum | Evergreen Huckleberry | #1 | 1m o.c. | Native |
| Ferns & Groundcovers | | | | | | |
| Ap | 28 | Adiantum pedatum | Maidenhair Fern | #1 | 60cm o.c. | Native |
| Au | 296 | Arctostaphylos uva-ursi | Kinnikinnick | 10cm | 45cm o.c. | Native |
| Af | 60 | Athyrium filix-femina | Lady Fern | #1 | 60cm o.c. | Native |
| Fc | 303 | Fragaria chiloensis | Coastal Strawberry | 10cm | 45cm o.c. | Native |
| Fv | 154 | Fragaria vesca | Woodland Strawberry | 10cm | 45cm o.c. | Native |
| Pm | 645 | Polystichum munitum | Sword fern | #1 | 60cm o.c. | Native |
| Perennials | | | | | | |
| At | 70 | Achlyls triphylla | Vanilla Leaf | 10cm | 45cm o.c. | Native |
| Am | 25 | Achillea millefolium | Yarrow | 10cm | 45cm o.c. | Native |
| Af | 59 | Aquilegia formosa | Red Columbine | 10cm | 45cm o.c. | Native |
| Df | 87 | Dicentra formosa | Pacific Bleeding Heart | 10cm | 60cm o.c. | Native |
| Gl | 43 | Gaura lindheimeri | Bee blossom | #1 | 45cm o.c. | Non-native |
| Np | 8 | Nepeta dropmore blue | Catmint | #1 | 60cm o.c. | Non-native |
| So | 40 | Solidago canadensis | Canada Goldenrod | 10cm | 60cm o.c. | Native |
| Tg | 72 | Tellima grandiflora | Fringecup | 10cm | 45cm o.c. | Native |
| Ti | 154 | Trientalis latifolia | Broad-leaved Starflower | 10cm | 45cm o.c. | Native |
| To | 41 | Trillium ovatum | Western Trillium | #1 | 45cm o.c. | Native |
| Raingarden & Bioswale | | | | | | |
| Ca | 160 | Carex obnupta | Slough Sedge | 10cm | 60cm o.c. | Native |
| Im | 80 | Iris missouriensis | Western Blue Flag Iris | #1 | 60cm o.c. | Native |
| Je | 160 | Juncus ensifolius | Dagger-Leaf Rush | 10cm | 60cm o.c. | Native |
| Sm | 160 | Scirpus microcarpus | Small-flowered Bulrush | 10cm | 60cm o.c. | Native |
| Vines | | | | | | |
| Lh | 10 | Lonicera hispidula | Hairy Honeysuckle | #1 | 1.2cm o.c. | Native |

Please contact the Landscape Architect for approval of any plant substitutions:
KINSHIP DESIGN ART ECOLOGY
 Kate Stefiuk BCSLA
 t: 250-753-8093 e: kate.stefiuk@kinshipdesign.ca
 No substitutions will be accepted without prior written approval of the Landscape Architect.

PLANTING NOTES

- All landscape construction to be in accordance with the **City of Nanaimo Engineering Standards and Specifications**.
- All landscape installation and maintenance to meet or exceed the current edition of the **Canadian Landscape Standards** as a minimal acceptable standard.
- Growing medium to meet or exceed the properties outlined in the Canadian Landscape Standard per Section 6 Growing Medium, Table T-6.3.5.3. Properties of Growing Media Level 2 "Groomed" - 2P.
- Growing Medium Depths (unless otherwise specified):
 Tree Planting Areas: 1 cu. m. per tree
 Shrub & Ground Cover Areas: 450mm (18") depth
 Seeded Areas: 150mm (6") depth
- Mulch to be Compost per Section 10 Mulching of the Canadian Landscape Standard. Mulch depth to be 50mm minimum depth over all tree, shrub, and groundcover planted areas.
- Plant material quality, transport and handling shall comply with the CNLA standards for Nursery Stock.
- All plant material shall match type and species as indicated on the planting plan. **Contact the Landscape Architect for approval of substitutions.** No substitutions will be accepted without prior written approval of the Landscape Architect.
- Check for locations of water lines and other underground services prior to digging tree pits. Excavated plant pits shall have positive drainage. Plant pits when fully flooded with water shall drain within one hour after filling.
- No plants requiring pruning or major branches due to disease, damage or poor form will be accepted.
- All tree, shrub, groundcover and lawn areas shall be watered via an underground automatic irrigation system utilizing 'Smart' (ET/Weather-based) irrigation control. Irrigation emission devices to be high efficiency low volume rotary nozzles or drip irrigation equipment.

Refer to **Sheet L2.01** for Planting Plan Northeast
 Refer to **Sheet L2.02** for Planting Plan Southeast
 Refer to **Sheet L2.03** for Planting Plan West

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| Map ID | Species | DBH (cm) | Map ID | Species | DBH (cm) |
|--------|-------------------|----------|--------|-------------------|----------|
| 1 | Douglas Fir | 11 | 124 | Black Locust | 44 |
| 2 | Douglas Fir | 12 | 125 | Douglas Fir | 45 |
| 3 | Western Red Cedar | 13 | 126 | Douglas Fir | 46 |
| 4 | Douglas Fir | 14 | 127 | Douglas Fir | 47 |
| 5 | Douglas Fir | 15 | 128 | Douglas Fir | 48 |
| 6 | Douglas Fir | 16 | 129 | Douglas Fir | 49 |
| 7 | Douglas Fir | 17 | 130 | Douglas Fir | 50 |
| 8 | Douglas Fir | 18 | 131 | Douglas Fir | 51 |
| 9 | Douglas Fir | 19 | 132 | Douglas Fir | 52 |
| 10 | Douglas Fir | 20 | 133 | Douglas Fir | 53 |
| 11 | Douglas Fir | 21 | 134 | Western Red Cedar | 54 |
| 12 | Douglas Fir | 22 | 135 | Douglas Fir | 55 |
| 13 | Douglas Fir | 23 | 136 | Douglas Fir | 56 |
| 14 | Douglas Fir | 24 | 137 | Douglas Fir | 57 |
| 15 | Douglas Fir | 25 | 138 | Douglas Fir | 58 |
| 16 | Douglas Fir | 26 | 139 | Douglas Fir | 59 |
| 17 | Douglas Fir | 27 | 140 | Douglas Fir | 60 |
| 18 | Douglas Fir | 28 | 141 | Douglas Fir | 61 |
| 19 | Douglas Fir | 29 | 142 | Douglas Fir | 62 |
| 20 | Douglas Fir | 30 | 143 | Douglas Fir | 63 |
| 21 | Douglas Fir | 31 | 144 | Douglas Fir | 64 |
| 22 | Douglas Fir | 32 | 145 | Douglas Fir | 65 |
| 23 | Douglas Fir | 33 | 146 | Douglas Fir | 66 |
| 24 | Douglas Fir | 34 | 147 | Douglas Fir | 67 |
| 25 | Douglas Fir | 35 | 148 | Douglas Fir | 68 |
| 26 | Douglas Fir | 36 | 149 | Douglas Fir | 69 |
| 27 | Douglas Fir | 37 | 150 | Douglas Fir | 70 |
| 28 | Douglas Fir | 38 | 151 | Douglas Fir | 71 |
| 29 | Douglas Fir | 39 | 152 | Douglas Fir | 72 |
| 30 | Douglas Fir | 40 | 153 | Douglas Fir | 73 |
| 31 | Douglas Fir | 41 | 154 | Douglas Fir | 74 |
| 32 | Douglas Fir | 42 | 155 | Douglas Fir | 75 |
| 33 | Douglas Fir | 43 | 156 | Douglas Fir | 76 |
| 34 | Douglas Fir | 44 | 157 | Douglas Fir | 77 |
| 35 | Douglas Fir | 45 | 158 | Douglas Fir | 78 |
| 36 | Douglas Fir | 46 | 159 | Douglas Fir | 79 |
| 37 | Douglas Fir | 47 | 160 | Douglas Fir | 80 |
| 38 | Douglas Fir | 48 | 161 | Douglas Fir | 81 |
| 39 | Douglas Fir | 49 | 162 | Douglas Fir | 82 |
| 40 | Douglas Fir | 50 | 163 | Douglas Fir | 83 |
| 41 | Douglas Fir | 51 | 164 | Douglas Fir | 84 |
| 42 | Douglas Fir | 52 | 165 | Douglas Fir | 85 |
| 43 | Douglas Fir | 53 | 166 | Douglas Fir | 86 |
| 44 | Douglas Fir | 54 | 167 | Douglas Fir | 87 |
| 45 | Douglas Fir | 55 | 168 | Douglas Fir | 88 |
| 46 | Douglas Fir | 56 | 169 | Douglas Fir | 89 |
| 47 | Douglas Fir | 57 | 170 | Douglas Fir | 90 |
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| 57 | Douglas Fir | 67 | 180 | Douglas Fir | 100 |
| 58 | Douglas Fir | 68 | 181 | Douglas Fir | 101 |
| 59 | Douglas Fir | 69 | 182 | Douglas Fir | 102 |
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| 61 | Douglas Fir | 71 | 184 | Douglas Fir | 104 |
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| 91 | Douglas Fir | 101 | 214 | Douglas Fir | 134 |
| 92 | Douglas Fir | 102 | 215 | Douglas Fir | 135 |
| 93 | Douglas Fir | 103 | 216 | Douglas Fir | 136 |
| 94 | Douglas Fir | 104 | 217 | Douglas Fir | 137 |
| 95 | Douglas Fir | 105 | 218 | Douglas Fir | 138 |
| 96 | Douglas Fir | 106 | 219 | Douglas Fir | 139 |
| 97 | Douglas Fir | 107 | 220 | Douglas Fir | 140 |
| 98 | Douglas Fir | 108 | 221 | Douglas Fir | 141 |
| 99 | Douglas Fir | 109 | 222 | Douglas Fir | 142 |
| 100 | Douglas Fir | 110 | 223 | Douglas Fir | 143 |
| 101 | Douglas Fir | 111 | 224 | Douglas Fir | 144 |
| 102 | Douglas Fir | 112 | 225 | Douglas Fir | 145 |
| 103 | Douglas Fir | 113 | 226 | Douglas Fir | 146 |
| 104 | Douglas Fir | 114 | 227 | Douglas Fir | 147 |
| 105 | Douglas Fir | 115 | 228 | Douglas Fir | 148 |
| 106 | Douglas Fir | 116 | 229 | Douglas Fir | 149 |
| 107 | Douglas Fir | 117 | 230 | Douglas Fir | 150 |
| 108 | Douglas Fir | 118 | 231 | Douglas Fir | 151 |
| 109 | Douglas Fir | 119 | 232 | Douglas Fir | 152 |
| 110 | Douglas Fir | 120 | 233 | Douglas Fir | 153 |
| 111 | Douglas Fir | 121 | 234 | Douglas Fir | 154 |
| 112 | Douglas Fir | 122 | 235 | Douglas Fir | 155 |
| 113 | Douglas Fir | 123 | 236 | Douglas Fir | 156 |
| 114 | Douglas Fir | 124 | 237 | Douglas Fir | 157 |
| 115 | Douglas Fir | 125 | 238 | Douglas Fir | 158 |
| 116 | Douglas Fir | 126 | 239 | Douglas Fir | 159 |
| 117 | Douglas Fir | 127 | 240 | Douglas Fir | 160 |
| 118 | Douglas Fir | 128 | 241 | Douglas Fir | 161 |
| 119 | Douglas Fir | 129 | 242 | Douglas Fir | 162 |
| 120 | Douglas Fir | 130 | 243 | Douglas Fir | 163 |
| 121 | Douglas Fir | 131 | 244 | Douglas Fir | 164 |
| 122 | Douglas Fir | 132 | 245 | Douglas Fir | 165 |

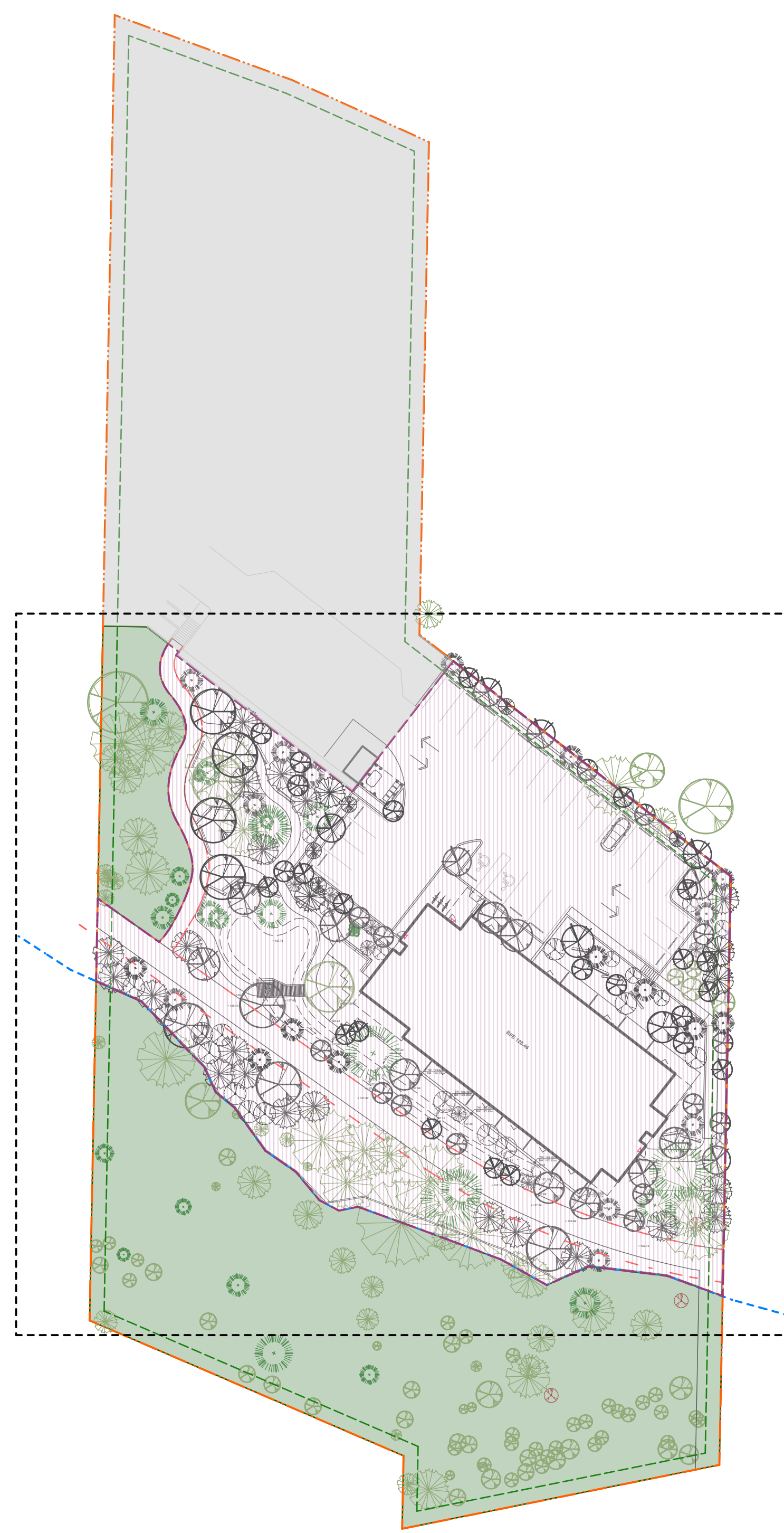
Table 1: Subject Property Tree Inventory Summary

| Species | DBH (cm) | Number of Trees (Greater than or equal to DBH) |
|--------------|----------|------------------------------------------------|
| Black Locust | 100-120 | 1 |
| Black Locust | 120-140 | 1 |
| Black Locust | 140-160 | 1 |
| Black Locust | 160-180 | 1 |
| Black Locust | 180-200 | 1 |
| Black Locust | 200-220 | 1 |
| Black Locust | 220-240 | 1 |
| Black Locust | 240-260 | 1 |
| Black Locust | 260-280 | 1 |
| Black Locust | 280-300 | 1 |
| Black Locust | 300-320 | 1 |
| Black Locust | 320-340 | 1 |
| Black Locust | 340-360 | 1 |
| Black Locust | 360-380 | 1 |
| Black Locust | 380-400 | 1 |
| Black Locust | 400-420 | 1 |
| Black Locust | 420-440 | 1 |
| Black Locust | 440-460 | 1 |
| Black Locust | 460-480 | 1 |
| Black Locust | 480-500 | 1 |
| Black Locust | 500-520 | 1 |
| Black Locust | 520-540 | 1 |
| Black Locust | 540-560 | 1 |
| Black Locust | 560-580 | 1 |
| Black Locust | 580-600 | 1 |
| Black Locust | 600-620 | 1 |
| Black Locust | 620-640 | 1 |
| Black Locust | 640-660 | 1 |
| Black Locust | 660-680 | 1 |
| Black Locust | 680-700 | 1 |
| Black Locust | 700-720 | 1 |
| Black Locust | 720-740 | 1 |
| Black Locust | 740-760 | 1 |
| Black Locust | 760-780 | 1 |
| Black Locust | 780-800 | 1 |
| Black Locust | 800-820 | 1 |
| Black Locust | 820-840 | 1 |
| Black Locust | 840-860 | 1 |
| Black Locust | 860-880 | 1 |
| Black Locust | 880-900 | 1 |
| Black Locust | 900-920 | 1 |
| Black Locust | 920-940 | 1 |
| Black Locust | 940-960 | 1 |
| Black Locust | 960-980 | 1 |
| Black Locust | 980-1000 | 1 |

TREE INVENTORY SYNOPSIS NTS

(provided by MJR Tree Services Inc. - included as confirmation that the Tree Inventory was completed by appropriately qualified professionals)

TMP KEY PLAN SCALE 1:500



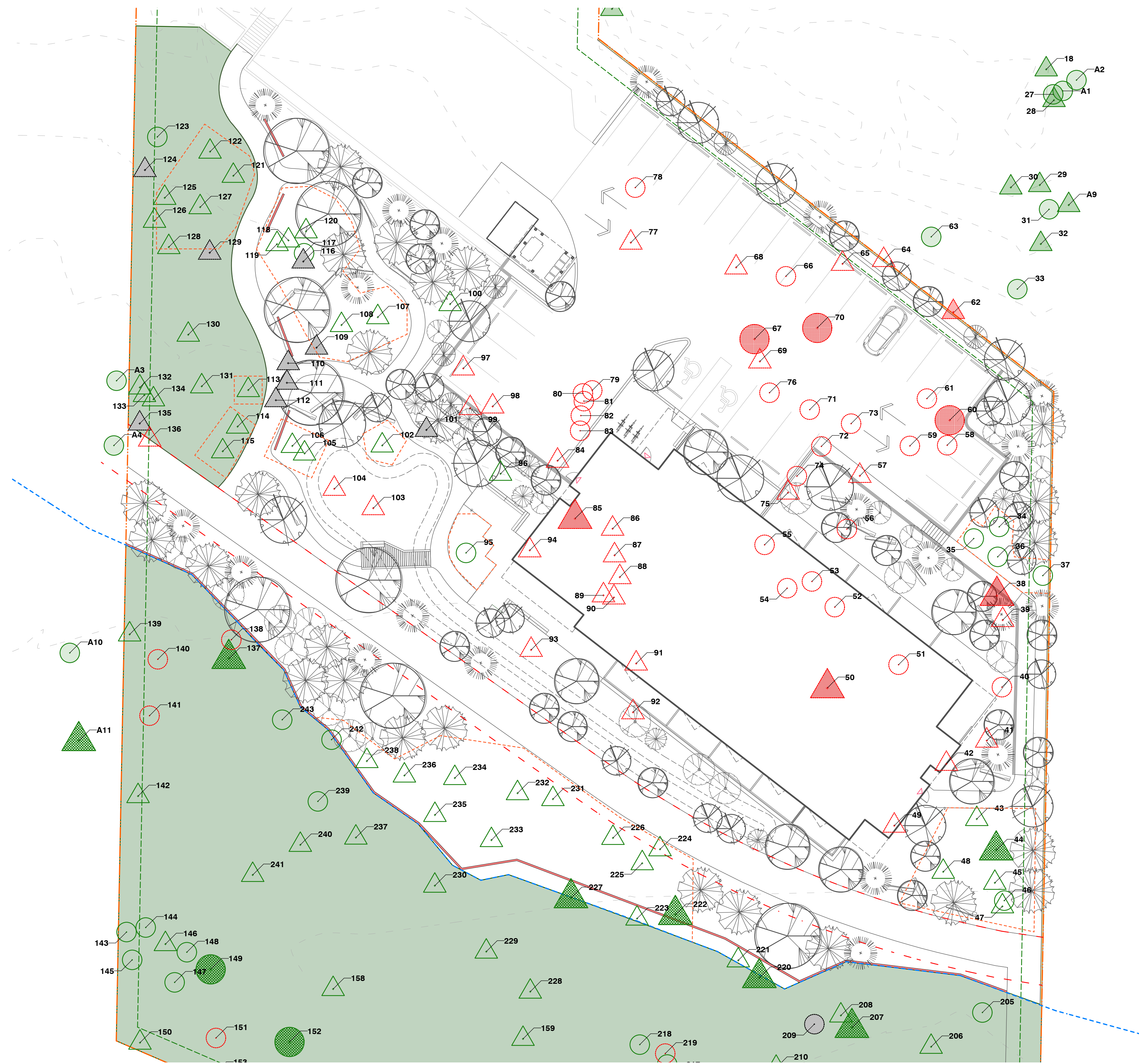
- ### TREE MANAGEMENT NOTES
- All tree information taken from '3425/3401 Uplands Drive - Tree Inventory Synopsis 2023-10-24' prepared by MJR Tree Service (250-616-8906).
 - See 3425/3401 Uplands Drive - Tree Inventory Synopsis 2023-10-24' for:
 - Onsite Tree Inventory
 - Adjacent Property Trees
 - Trees of Significance
 - Tree Location Map
 - See L2.01 - L2.03 Planting Plans for Replacement Tree Species and Locations
 - See L3.01 - L3.03 for MJR Tree Synopsis, Tree Management Plan, Tree Inventory and Tree Protection Fencing Plant List + Notes for Replacement Tree Species and Sizes
 - For Questions and Clarifications concerning '3425/3401 Uplands Drive - Tree Inventory Synopsis 2023-10-24' contact MJR Tree Service (250-616-8906).

TMP KEY PLAN LEGEND

- PARCEL - 3425 UPLANDS DRIVE**
Area: 10,210m² (1.02ha)
- PREVIOUSLY DEVELOPED AREA**
Area: 3,160m² (0.32ha)
- PROPOSED DEVELOPMENT FOOTPRINT**
Area: 4,203m² (0.42ha)
- TREE RETENTION AREAS**
Area: 2,847m² (0.28ha)
Note: Only dead or invasive trees to be removed.
- 15m WETLAND SETBACK**
- TREE MANAGEMENT PLAN AREA**
Note: Dashed area encompasses all tree removals (except dead or invasive trees) and all proposed replacement trees (see L3.02)

Refer to **Sheet L1.01** for Landscape Plan
 Refer to **Sheet L2.01** for Planting Plan Northeast
 Refer to **Sheet L2.02** for Planting Plan Southeast
 Refer to **Sheet L2.03** for Planting Plan West
 Refer to **Sheet L2.04** for Planting Notes & Plant List
 Refer to **Sheet L3.02** for Tree Management Plan
 Refer to **Sheet L3.03** for Tree Inventory
 Refer to **Sheet L3.04** for Tree Protection Fencing

NOT FOR CONSTRUCTION



TREE MANAGEMENT PLAN LEGEND

- PARCEL BOUNDARY
- TREE PROTECTION FENCING
- 15m WETLAND SETBACK
- STATUTORY RIGHT-OF-WAY
- POST & RAIL ENVIRONMENTAL PROTECTION FENCE
- CEDAR BOARD PERIMETER FENCE
- TREE ID CALLOUT (see Tree Inventory)

- TREES TO BE RETAINED**
- CONIFEROUS TREE TO BE RETAINED
Quantity: 60
 - CONIFEROUS TREE ON ADJACENT PARCEL TO BE RETAINED
Quantity: 36
 - SIGNIFICANT CONIFEROUS TREE TO BE RETAINED
Quantity: 10
 - DECIDUOUS TREE TO BE RETAINED
Quantity: 57
 - DECIDUOUS TREE ON ADJACENT PARCEL TO BE RETAINED
Quantity: 9
 - SIGNIFICANT DECIDUOUS TREE TO BE RETAINED
Quantity: 10
- DEAD TREES**
- DEAD DECIDUOUS TREE
Quantity: 1
 - DEAD CONIFEROUS TREE
Quantity: 9

- TREES TO BE REMOVED**
- CONIFEROUS TREE TO BE REMOVED
Quantity: 37
 - CONIFEROUS TREE ON ADJACENT PARCEL TO BE REMOVED
Quantity: 1
 - SIGNIFICANT CONIFEROUS TREE TO BE REMOVED
Quantity: 3
 - DECIDUOUS TREE TO BE REMOVED
Quantity: 29
 - SIGNIFICANT DECIDUOUS TREE TO BE REMOVED
Quantity: 3

- REPLACEMENT TREES & LANDSCAPE TREES**
- Coniferous Trees**
- Pc (8) Picea Omorika Bruns
 - Pc (20) Pinos contorta var. contorta
 - P (25) Pseudotsuga menziesii
- Deciduous Trees**
- Ac (26) Acer circinatum
 - Am (9) Acer macrophyllum
 - Ap (6) Acer palmatum 'Osakazuki'
 - Ar (8) Alnus rubra
 - Ce (6) Cornus 'Eddies White Wonder'
 - Qp (9) Quercus palustris 'Pingreen'
 - Pp (7) Parrotia persica 'Vanessa'
 - S (6) Styrax japonicus

Refer to **Sheet L1.01** for Landscape Plan

Refer to **Sheet L2.01** for Planting Plan Northeast

Refer to **Sheet L2.02** for Planting Plan Southeast

Refer to **Sheet L2.03** for Planting Plan West

Refer to **Sheet L2.04** for Planting Notes & Plant List

Refer to **Sheet L2.04** for Planting Notes & Plant List

Refer to **Sheet L3.01** for MJR Tree Synopsis Tree Management Key Plan & Tree Management Notes

Refer to **Sheet L3.03** for Tree Inventory

Refer to **Sheet L3.04** for Tree Protection Fencing

TREE MANAGEMENT PLAN
SCALE 1:200

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Nanaimo Association for Community Living

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|-----|------------|--------------------|
| 1 | 08-09-2024 | DEVELOPMENT PERMIT |

NO. | DATE | REVISION

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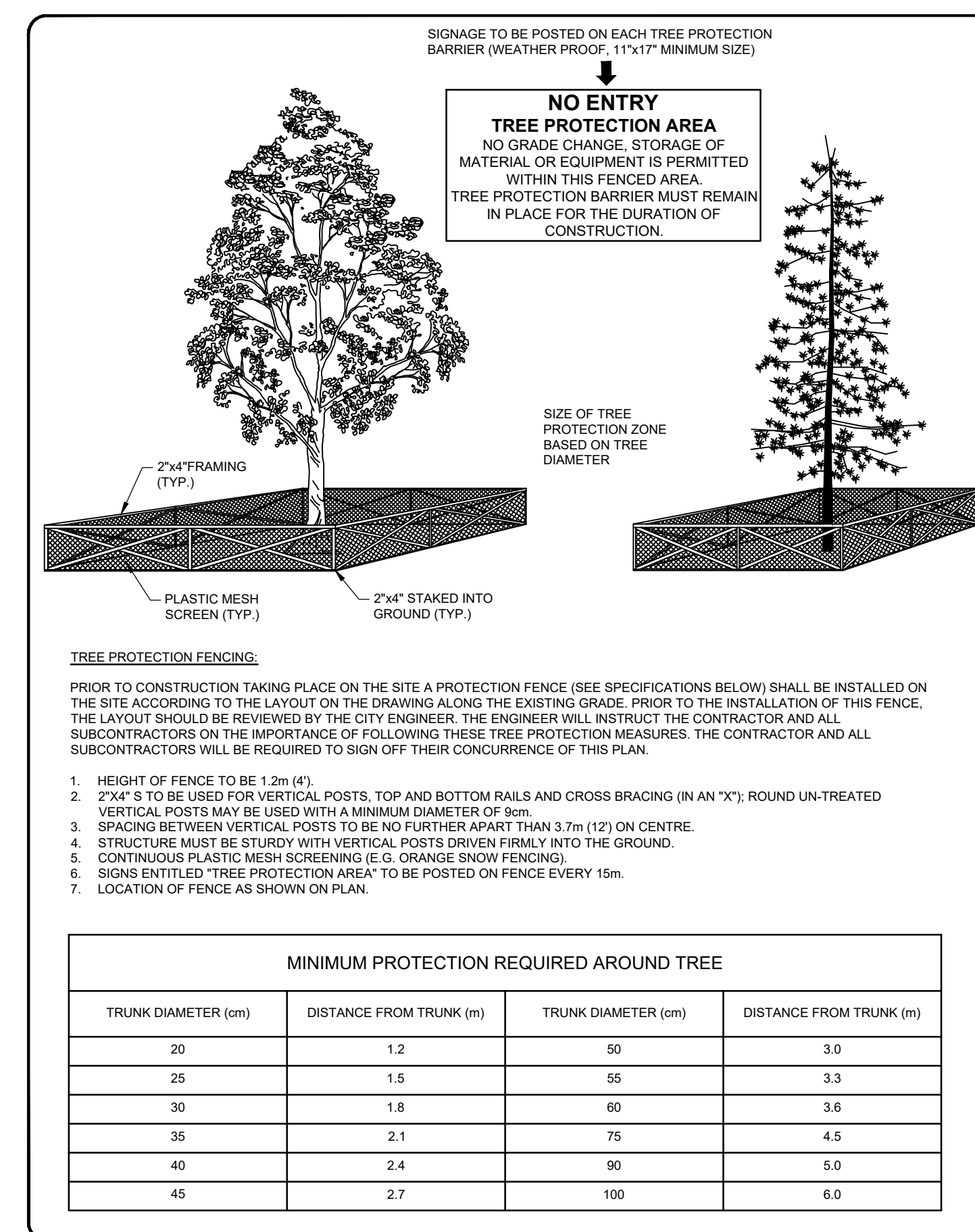
PROJECT
UPLANDS DRIVE
3425 UPLANDS DRIVE
NANAIMO, BC

PROJECT ID 21004
DB KS CB KS

SCALE SEE SHEET
DATE 2023-10-01

TREE MANAGEMENT PLAN

L3.02



TREE PROTECTION FENCING NTS

(refer to Drawing TP-1 of May 2020 version of City of Nanaimo Manual of Engineering Standards and Specifications)

Refer to **Sheet L1.01** for Landscape Plan

Refer to **Sheet L2.01** for Planting Plan Northeast

Refer to **Sheet L2.02** for Planting Plan Southeast

Refer to **Sheet L2.03** for Planting Plan West

Refer to **Sheet L2.04** for Planting Notes & Plant List

Refer to **Sheet L3.01** for MJR Tree Synopsis Tree Management Key Plan & Tree Management Notes

Refer to **Sheet L3.02** for Tree Management Plan

Refer to **Sheet L3.03** for Tree Inventory

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|-----|------------|--------------------|
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PROJECT

UPLANDS DRIVE
3425 UPLANDS DRIVE
NANAIMO, BC

TREE MANAGEMENT PLAN

PROJECT ID 21004

DB KS **CB** KS

SCALE SEE SHEET
DATE 2023-10-01