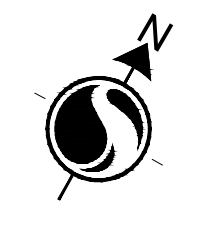
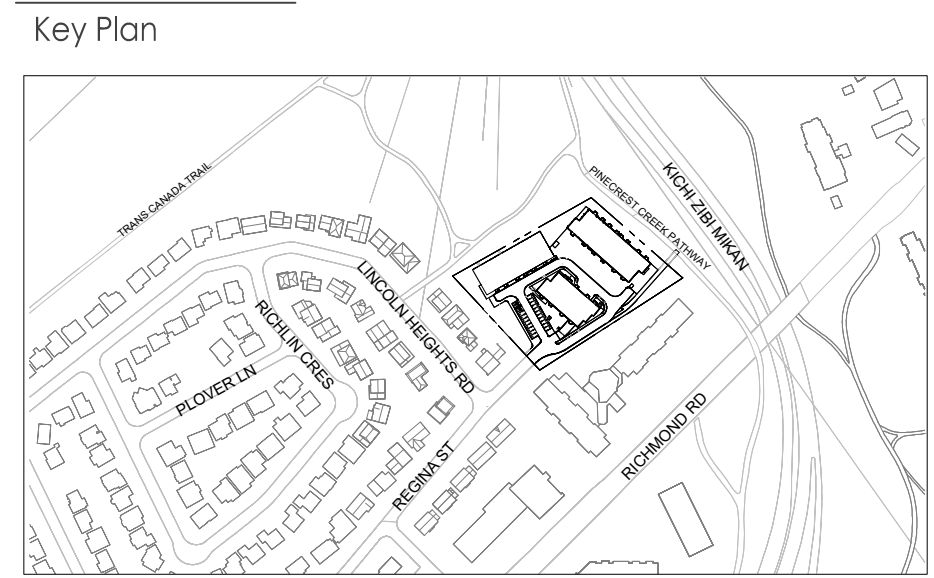


LEGAL DESCRIPTION:
 PT LT 23, CON 10F, AS IN
 NS153639; OTTAWA/NEPEAN



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 Ottawa ON
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Legend

	CONCRETE PAVING REFER TO DETAILS 5-6 SHEET L8		MIXED SHRUB BED (NATURALIZED AREAS) REFER TO DETAIL 8 SHEET L9
	UNIT PAVING REFER TO DETAIL 8 SHEET L8		PERENNIALS & HERBACEOUS PLANTS (NATURALIZED AREAS) REFER TO DETAIL 7 SHEET L9
	ASPHALT PAVING REFER TO DETAILS 1-2 SHEET L8		ORNAMENTAL GRASS (NATURALIZED AREAS) REFER TO DETAIL 7 SHEET L9
	GRAVEL REFER TO SECTION 5 SHEET L8		MIXED SHRUB BED (URBAN AREAS) REFER TO DETAIL 8 SHEET L9
	SOIL CELL (BELOW) REFER TO SECTION 1 SHEET L8		PERENNIALS & HERBACEOUS PLANTS (URBAN AREAS) REFER TO DETAIL 8 SHEET L9
	NATIVE SEEDMIX RAIN GARDEN / WETLAND MIX		ORNAMENTAL GRASS (URBAN AREAS) REFER TO DETAIL 8 SHEET L9
	NATIVE SEEDMIX DROUGHT TOLERANT POLLINATOR MEADOW MIX		VINES / CLIMBERS REFER TO DETAIL 7 SHEET L9
	SOD INCLUDING 150mm TOPSOIL		
	PLANTER EDGE REFER TO DETAIL 11 SHEET L8		
	CONCRETE PLANTER CURB REFER TO DETAIL 9 SHEET L8		
	SEATWALL REFER TO SECTION 1 SHEET L8		
	ACCESSIBLE BENCH		
	BIKE RACK(S) REFER TO DETAIL 12 SHEET L8		
	LANDSCAPE BOULDER / ARMOUR STONE REFER TO DETAIL 10 SHEET L8		
	TREE PROTECTION FENCE		
	DECIDUOUS TREE PLANTING REFER TO DETAILS 1-2 SHEET L9		
	CONIFEROUS TREE PLANTING REFER TO DETAIL 34 SHEET L9		
	EXISTING TREE ANTICIPATED TO REMAIN (INCLUDING ID#, SPECIES & DIAMETER AT BREAST HEIGHT). REFER TO NOTE 1.		

Revision	By	Appd.	YY.MM.DD
0	ISSUED FOR CITY REVIEW	BL / KP	25.02.20

File Name:	BL	KP / L	KP / BL	23.11.22
160410375-200	Dwn.	Chkd.	Dsgn.	YY.MM.DD

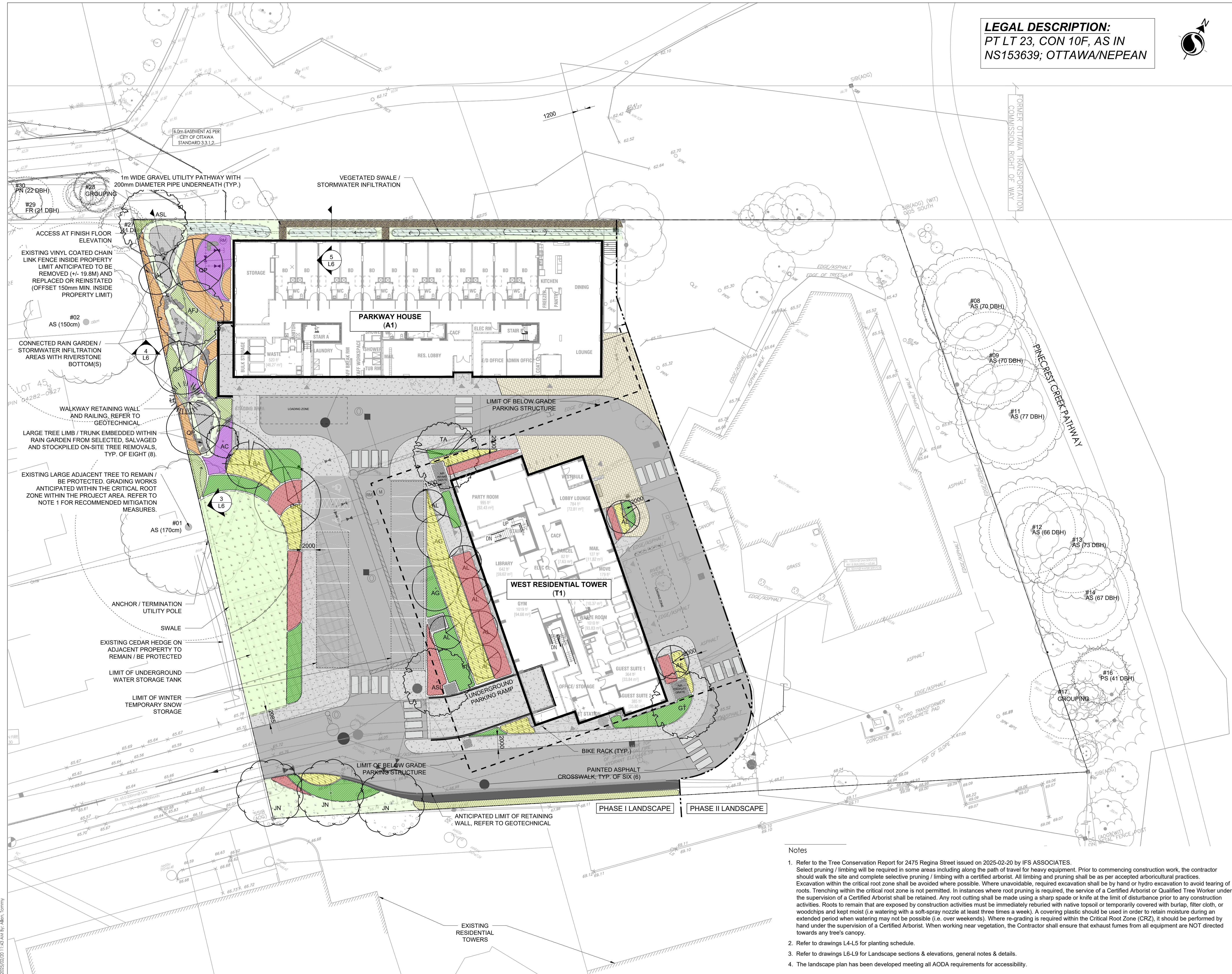


Client/Project
 WINDMILL DEVELOPMENT GROUP LTD.
 2475 REGINA STREET
 Ottawa, ON

Title
 LANDSCAPE PLAN
 PHASE I

Project No. 160410375	Scale 1:250	Sheet 7.5	Revision 12.5m
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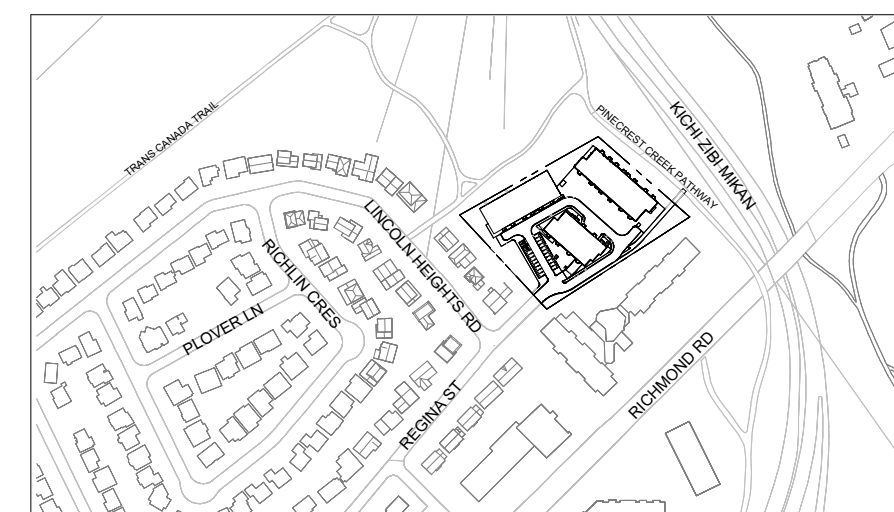
Drawing No. L2
 Sheet 2 of 9
 Revision 0



Notes

- Refer to the Tree Conservation Report for 2475 Regina Street issued on 2025-02-20 by IFS ASSOCIATES. Select pruning / limbing will be required in some areas including along the path of travel for heavy equipment. Prior to commencing construction work, the contractor should walk the site and complete selective pruning / limbing with a certified arborist. All limbing and pruning shall be as per accepted arboricultural practices. Excavation within the critical root zone shall be avoided where possible. Where unavoidable, required excavation shall be by hand or hydro excavation to avoid tearing of roots. Trenching within the critical root zone is not permitted. In instances where root pruning is required, the service of a Certified Arborist or Qualified Tree Worker under the supervision of a Certified Arborist shall be retained. Any root cutting shall be made using a sharp spade or knife at the limit of disturbance prior to any construction activities. Roots to remain that are exposed by construction activities must be immediately reburied with native topsoil or temporarily covered with burlap, filter cloth, or woodchips and kept moist (i.e. watering with a soft-spray nozzle at least three times a week). A covering plastic should be used in order to retain moisture during an extended period when watering may not be possible (i.e. over weekends). Where re-grading is required within the Critical Root Zone (CRZ), it should be performed by hand under the supervision of a Certified Arborist. When working near vegetation, the Contractor shall ensure that exhaust fumes from all equipment are NOT directed towards any tree's canopy.
- Refer to drawings L4-L5 for planting schedule.
- Refer to drawings L6-L9 for Landscape sections & elevations, general notes & details.
- The landscape plan has been developed meeting all AODA requirements for accessibility.

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 ORIGINAL SHEET - ARCH D



- TREE CANOPY COVERAGE ANTICIPATED AT 40 YEARS
- SOIL BEDS - ON STRUCTURE REFER TO ANNOTATIONS FOR SOIL VOLUME
- CONCRETE PAVING REFER TO DETAILS 5-6 SHEET L8
- UNIT PAVING REFER TO DETAIL 8 SHEET L8
- ASPHALT PAVING REFER TO DETAILS 1-2 SHEET L8
- GRAVEL REFER TO SECTION 5 SHEET L8
- SOIL CELL (BELOW) REFER TO SECTION 1 SHEET L6
- PLANTER EDGE REFER TO DETAIL 11 SHEET L8
- CONCRETE PLANTER CURB REFER TO DETAIL 9 SHEET L8
- SEATWALL REFER TO SECTION 1 SHEET L6
- ACCESSIBLE BENCH
- BIKE RACK(S) REFER TO DETAIL 12 SHEET L8
- LANDSCAPE BOULDERS / ARMOUR STONE REFER TO DETAIL 10 SHEET L8
- EXISTING TREE ANTICIPATED TO REMAIN (INCLUDING ID#, SPECIES & DIAMETER AT BREAST HEIGHT). REFER TO NOTE 1.
- ANTICIPATED TREE ROOT GROWTH REFER TO SECTIONS 1 AND 2 SHEET L7

Revision	By	Appd.	YY.MM.DD
1	IA	KP	25.02.20
0	IA	KP	24.11.28

File Name:	BL	KP / L	KP / BL	23.11.22
160410375-L200	Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal



Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

2475 REGINA STREET

Ottawa, ON

Title
TREE CANOPY AND SOIL VOLUME

Project No.	Scale	0	2.5	7.5	12.5m
160410375	1:250				
Drawing No.	Sheet	Revision			

L3 3 of 9 1

LEGAL DESCRIPTION:
PT LT 23, CON 10F, AS IN
NS153639; OTTAWA/NEPEAN



ANTICIPATED LIMIT OF TREE CANOPY COVER AT 40 YEARS GROWTH:
TREE CANOPY AREA = 3,625 m²
PROJECT SITE AREA = 10,359 m²
CANOPY COVERAGE = 35.0%



Notes

- Refer to the Tree Conservation Report for 2475 Regina Street issued on 2025-02-20 by IFS ASSOCIATES. Select pruning / limbing will be required in some areas including along the path of travel for heavy equipment. Prior to commencing construction work, the contractor should walk the site and complete selective pruning / limbing with a certified arborist. All limbing and pruning shall be as per accepted arboricultural practices. Excavation within the critical root zone shall be avoided where possible. Where unavoidable, required excavation shall be by hand or hydro excavation to avoid tearing of roots. Trenching within the critical root zone is not permitted. In instances where root pruning is required, the service of a Certified Arborist or Qualified Tree Worker under the supervision of a Certified Arborist shall be retained. Any root cutting shall be made using a sharp spade or knife at the limit of disturbance prior to any construction activities. Roots to remain that are exposed by construction activities must be immediately reburied with native topsoil or temporarily covered with burlap, filter cloth, or woodchips and kept moist (i.e. watering with a soft-spray nozzle at least three times a week). A covering plastic should be used in order to retain moisture during an extended period when watering may not be possible (i.e. over weekends). Where re-grading is required within the Critical Root Zone (CRZ), it should be performed by hand under the supervision of a Certified Arborist. When working near vegetation, the Contractor shall ensure that exhaust fumes from all equipment are NOT directed towards any tree's canopy.
- Refer to drawings L4-L5 for planting schedule.
- Refer to drawings L6-L9 for Landscape sections & elevations, general notes & details.
- The landscape plan has been developed meeting all AODA requirements for accessibility.

PLANTING SCHEDULE (PRIVATE OWNERSHIP)

CONIFEROUS TREES - REFER TO DETAIL 3 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	MATURE HEIGHT
AA	3	<i>Abies alba</i>	Silver Fir	Refer to Plan	-	2000	W.B.	full sun, partial sun/shade, low maintenance	Medium (10-15m)
LL	3	<i>Larix laricina</i>	Eastern larch	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, fall foliage, low maintenance	Large (15m+)
TO	2	<i>Thuja occidentalis</i>	Eastern White Cedar	Refer to Plan	-	2000	W.B.	native (Ontario), drought tolerant, low maintenance, full sun	Medium (10-15m)
PS	13	<i>Pinus strobus</i>	White Pine	Refer to Plan	-	2000	W.B.	full sun, low maintenance	Small (5-10m)

DECIDUOUS TREES (ON GRADE) - REFER TO DETAIL 1 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	MATURE HEIGHT
AC	1	<i>Amelanchier canadensis</i>	Canadian Serviceberry	Refer to Plan	50	2500	B.B.	native (Ontario), treeform, full sun, partial sun/shade, attracts birds, edible fruit, fall foliage, colourful flowers	Small (5-10m)
AL	10	<i>Amelanchier laevis</i>	Allegheny Serviceberry	Refer to Plan	45	2500	W.B.	native (Ontario), treeform, full sun, partial sun/shade, attracts birds, edible fruit, fall foliage, colourful flowers	Small (5-10m)
AR	1	<i>Acer rubrum</i>	Red Maple	Refer to Plan	50	-	W.B.	native (Ontario), fall foliage, full sun, partial sun/shade	Medium (10-15m)
ASL	3	<i>Acer saccharum 'Legacy'</i>	Legacy Sugar Maple	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large (15m+)
AFJ	1	<i>Acer X freemanii 'Jeffersred'</i>	Autumn Blaze Maple	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large (15m+)
AX	2	<i>Amelanchier x grandiflora 'Autumn Brilliance'</i>	Autumn Brilliance Serviceberry	Refer to Plan	45	2500	W.B.	native (Ontario), treeform, full sun, partial sun/shade, attracts birds, edible fruit, fall foliage, colourful flowers	Small (5-10m)
BA	6	<i>Betula alleghaniensis</i>	Yellow Birch	Refer to Plan	50	-	W.B.	native (Ontario), full sun, partial sun/shade, fall foliage	Medium (10-15m)
BP	2	<i>Betula papyrifera</i>	White Birch	Refer to Plan	50	-	W.B.	native (Ontario), salt tolerant, full shade, attracts birds, fall foliage	Medium (10-15m)
GT	1	<i>Gleditsia triacanthos</i>	Honey locust	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, salt tolerant, heat tolerant, full sun, partial sun/shade	Large (15m+)
JN	4	<i>Juglans nigra</i>	Black Walnut	Refer to Plan	50	-	W.B.	native (Ontario), salt tolerant, drought tolerant, full sun, edible fruit, fall foliage	Large (15m+)
OV	3	<i>Ostrya virginiana</i>	Ironwood	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, full shade, attracts birds, fall foliage	Medium (10-15m)
QM	3	<i>Quercus macrocarpa</i>	Bur Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, low maintenance, full sun, fall foliage	Medium (10-15m)
QP	3	<i>Quercus palustris</i>	Pin Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Medium (10-15m)
QR	1	<i>Quercus rubra</i>	Red Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large (15m+)
TA	1	<i>Tilia americana</i>	Basswood	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, fragrant	Large (15m+)

MIXED SHRUB BED (NATURALIZED AREAS) - REFER TO DETAIL 5 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER
Als	4	<i>Amelanchier laevis</i>	Downy Serviceberry	3000	3 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds, fall foliage	34.00%
Cos	2	<i>Cephalanthus occidentalis</i>	Butterbush	1500	2 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, attracts butterflies, fragrant, long bloom, waters edge	6.00%
Caa	3	<i>Cornus alternifolia</i>	Pagoda Dogwood	1200	3 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds, attracts butterflies, fall foliage, fragrant, low maintenance	5.00%
Cam	2	<i>Cornus amomum</i>	Silky Dogwood	2000	2 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds	10.00%
Csa	2	<i>Cornus sericea</i>	Red Osier Dogwood	2000	2 Gal.	-	Pot	native (Ontario), partial sun/shade, full sun, attracts birds, fall foliage, salt tolerant	10.00%
Csf	2	<i>Cornus sericea 'Flaviramea'</i>	Yellowtwig Dogwood	2000	2 Gal.	-	Pot	native (Ontario), partial sun/shade, full sun, attracts birds, fall foliage, salt tolerant	10.00%
Dia	5	<i>Diervilla lonicera</i>	Bush Honeysuckle	750	3 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, full shade, partial sun/shade, attracts butterflies, fall foliage, fragrant, low maintenance	3.00%
Scs	3	<i>Sambucus canadensis</i>	Canada Elderberry	2000	3 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds, attracts butterflies, edible, fragrant	15.00%
Saa	5	<i>Spirea alba</i>	White Meadowsweet	600	3 Gal.	-	Pot	native (Ontario), partial sun/shade, full sun, attracts butterflies, fall foliage, long bloom, salt tolerant, low maintenance, waters edge	2.00%
Sas	4	<i>Symphoricarpos albus</i>	Snowberry	1000	3 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts birds, low maintenance	5.00%

MIXED SHRUB BED (URBAN AREAS) - REFER TO DETAIL 6 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER
Dia	58	<i>Diervilla lonicera</i>	Bush Honeysuckle	750	3 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, full shade, partial sun/shade, attracts butterflies, fall foliage, fragrant, low maintenance	8.00%
Hkm	65	<i>Hypericum kalmianum</i>	Pot O'Gold	500	-	400	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, long bloom	4.00%
Pos	25	<i>Physocarpus opulifolius</i>	Common Ninebark	1500	-	400	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade	14.00%
Pfa	32	<i>Potentilla fruticosa 'Abbotswood'</i>	Abbotswood Cinquefoil	500	2 Gal.	-	Pot	native (Ontario), drought tolerant, salt tolerant, attracts butterflies, long bloom, low maintenance, ground cover, rock garden, full sun	2.00%
Pff	32	<i>Potentilla fruticosa 'Farreni'</i>	Goldrop Cinquefoil	500	2 Gal.	-	Pot	native (Ontario), drought tolerant, salt tolerant, attracts butterflies, long bloom, low maintenance, ground cover, rock garden, full sun	2.00%
Rag	41	<i>Rhus aromatica 'Grow-Low'</i>	Grow-Low Fragrant Sumac	1500	-	400	Pot	native (Ontario), drought tolerant, low maintenance, erosion / bank control, attracts birds, ground cover, fall foliage, fragrant, full sun, partial sun/shade	23.00%
Rba	37	<i>Rosa blanda</i>	Smooth Rose	1500	3 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts butterflies, fruit attracts birds, fragrant, colourful flowers	21.00%
Rva	56	<i>Rosa virginiana</i>	Virginia Rose	600	2 Gal.	-	Pot	native (Ontario), drought tolerant, edible fruit, partial sun/shade, full shade, attracts pollinators	5.00%
Rot	26	<i>Rubus odoratus</i>	Flowering Raspberry	1500	3 Gal.	-	Pot	native (Ontario), full sun, attracts birds, fall foliage, fragrant	15.00%
Tom	36	<i>Thuja occidentalis 'Sherwood Moss'</i>	Sherwood Moss Cedar	800	-	400	Pot	native (Ontario), full sun, partial sun/shade, low maintenance	6.00%

PERENNIALS & HERBACEOUS PLANTS (NATURALIZED AREAS) - REFER TO DETAIL 7 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER
Ata	23	<i>Asclepias incarnata</i>	Swamp Milkweed	800	1 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, attracts butterflies, attracts pollinators, cutting flower, waters edge	15.00%
Ata	27	<i>Asclepias tuberosa</i>	Butterfly Milkweed	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts butterflies, attracts pollinators, cutting flower, rock garden	5.00%
Cif	54	<i>Coreopsis lanceolata</i>	Lance-Leaved Tickseed	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, attracts pollinators, long bloom, low maintenance	10.00%
Lsp	54	<i>Liatris spicata 'Floristan Purple'</i>	Floristan Purple Blazing Star	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, attracts birds, attracts butterflies, attracts pollinators, cutting flower	10.00%
Lcs	21	<i>Lobelia cardinalis</i>	Cardinal Flower	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, cutting flower	5.00%
Lsa	27	<i>Lobelia siphilitica</i>	Great Blue Lobelia	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, cutting flower	5.00%
Lps	21	<i>Lupinus perennis</i>	Sundial Lupine	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts birds, attracts butterflies, attracts pollinators, cutting flower, salt tolerant, rock garden	20.00%
Mda	15	<i>Monarda didyma</i>	Beebalm	800	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, ethnobotanical, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, fragrant	10.00%
Mfa	27	<i>Monarda fistulosa</i>	Wild Bergamot	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, ethnobotanical, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, fragrant	5.00%
Pda	27	<i>Phlox divaricata</i>	Woodland Phlox	450	1 ltr	-	Pot	native (Ontario), drought tolerant, full sun, attracts butterflies, attracts pollinators, fragrant	5.00%
Eum	10	<i>Eupatorium maculatum</i>	Joe Pye Weed	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, attracts pollinators, attracts birds, cutting flower, colourful flowers	10.00%

PERENNIALS & HERBACEOUS PLANTS (URBAN AREAS) - REFER TO DETAIL 8 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER
Ata	165	<i>Asclepias tuberosa</i>	Butterfly Milkweed	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts butterflies, attracts pollinators, cutting flower, rock garden	10.00%
EpI	165	<i>Echinacea pallida</i>	Pale Purple Coneflower	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts birds, attracts butterflies, attracts pollinators, colourful flowers, colourful flowers	10.00%
Epp	127	<i>Echinacea purpurea 'Prairie Splendor'</i>	Prairie Splendor Coneflower	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts birds, attracts butterflies, attracts pollinators, colourful flowers, cutting flower	10.00%
Gmm	190	<i>Geranium macrorrhizum</i>	Bigroot Geranium	500	1 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, ground cover	15.00%
Nfi	176	<i>Nepeta faassenii 'Cat's Meow'</i>	Catmint	600	1 Gal.	-	Pot	drought tolerant, full sun, partial sun/shade, attracts butterflies, attracts pollinators, fragrant, long bloom, low maintenance	20.00%
Rhc	176	<i>Rudbeckia hirta 'Autumn Colours'</i>	Autumn Colours Gloriosa Daisy	300	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, attracts pollinators, attracts birds, colourful flowers, cutting flower	5.00%
Cas	95	<i>Ceanothus americanus</i>	New Jersey Tea	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts birds, attracts butterflies	30.00%

ORNAMENTAL GRASS (NATURALIZED AREAS) - REFER TO DETAIL 7 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER
AgI	35	<i>Andropogon gerardii</i>	Big Bluestem	900	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, cutting flower, heat tolerant, fall foliage, long bloom	20.00%
Bga	48	<i>Bouteloua gracilis</i>	Blue Grama	300	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts birds, heat tolerant, low maintenance, long bloom, ground cover	3.00%
Ccs	29	<i>Calamagrostis canadensis</i>	Canada Blue Joint	1000	1 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, drought tolerant, long bloom, low maintenance	20.00%
Cbi	145	<i>Carex bebbii</i>	Bebb's Sedge	100	1 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, rain garden, waters edge	1.00%
Cca	19	<i>Carex comosa</i>	Bristly Sedge	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts birds, long bloom, salt tolerant, low maintenance	13.00%
Cgi	32	<i>Carex grayi</i>	Morning Star Sedge	600	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, cutting flower, long bloom, waters edge	8.00%
Cpa	27	<i>Carex pensylvanica</i>	Wood Sedge	400	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, full shade, attracts birds, low maintenance, ground cover	3.00%
Csa	29	<i>Carex stricta</i>	Tussock Sege	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts birds, long bloom, low maintenance, waters edge	5.00%
Cva	29	<i>Carex vulpinoidea</i>	Fox Sedge	500	1 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, attracts birds, low maintenance, waters edge	5.00%
Hoa	22	<i>Hierochloa odorata</i>	Sweet Grass	1200	1 ltr	-	Pot	native (Ontario), ethnobotanical, full sun, partial sun/shade, attracts birds, salt tolerant, waters edge	22.00%

ORNAMENTAL GRASS (URBAN AREAS) - REFER TO DETAIL 8 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER
Dcb	253	<i>Deschampsia cespitosa 'Bronze Veil'</i>	Bronze Tufted Hair Grass	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, fall foliage, long bloom, low maintenance, ground cover, rock garden	15.00%
Dcn	253	<i>Deschampsia cespitosa 'Northern Lights'</i>	Variegated Tufted Hair Grass	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, fall foliage, long bloom, low maintenance, ground cover, rock garden	15.00%
Pvm	148	<i>Panicum virgatum</i>	Switch Grass	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts birds, cutting flower, heat tolerant, long bloom, salt tolerant, low maintenance	35.00%
Ssm	235	<i>Schizachyrium scoparium</i>	Little Bluestem	600	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, cutting flower, heat tolerant, long bloom	20.00%
Shs	253	<i>Sporobolus heterolepis</i>	Prairie Dropseed	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts birds, fall foliage, heat tolerant	15.00%

NATIVE SEED MIX (139.8M ²)	
RAIN GARDEN / WETLAND	
SOW AT 500g/180M ²	
BOTANICAL NAME	COMMON NAME
<i>Asclepias incarnata</i>	Swamp Milkweed
<i>Aster puniceus</i>	Purple Stemmed Aster
<i>Bidens cernua</i>	Nodding Bur Marigold
<i>Carex crinita</i>	Fringed/Nodding Sedge
<i>Carex lurida</i>	Lurid Sedge
<i>Carex scopari</i>	Blunt Broom Sedge
<i>Carex stipata</i>	Awl Sedge
<i>Carex vulpinoidea</i>	Fox Sedge
<i>Elymus virginicus</i>	Virginia Wild Rye
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed
<i>Eupatorium perfoliatu</i>	Bonese
<i>Juncus effusus</i>	Soft Rush
<i>Mimulus ringens</i>	Square Stemmed Monkey Flowe
<i>Scirpus cyperinus</i>	Wool Grass
<i>Sparangium eurycarpum</i>	Giant Bur Reed

NATIVE SEED MIX (1219.5M ²)	
DROUGHT TOLERANT POLLINATOR MEADOW	
SOW AT 500g/180M ²	
BOTANICAL NAME	COMMON NAME
<i>Aster novae-angliae</i>	New England Aster
<i>Desmodium canadense</i>	Showy Tick Trefoil
<i>Elymus canadensis</i>	Canada Wild Rye
<i>Elymus virginicus</i>	Virginia Wild Rye
<i>Eupatorium perfoliatum</i>	Bonese
<i>Liatris spicata</i>	Dense Blazing Star
<i>Monarda fistulosa</i>	Wild Bergamot
<i>Penstemon digitalis</i>	Foxglove / Beardtongue
<i>Rudbeckia hirta</i>	Black Eyed Susan
<i>Schizachyrium scoparium</i>	Little Bluestem
<i>Sorghastrum nutans</i>	Indiangrass
<i>Verbena hastata</i>	Blue Vervain

VINES / CLIMBERS - REFER TO DETAIL 7 SHEET L9									
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER
Pqa	13	<i>Parthenocissus quinquefolia</i>	Virginia Creeper	1800	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, full shade, attracts birds, fall foliage, ground cover	100.00%

Notes

Revision	By	Appd.	YY.MM.DD
4	IA	KP	25.02.20
3	IA	KP	24.11.28
2	IA	KP	24.11.15
1	BL	KP	24.03.15

File Name:	BL	KP / L	KP / BL	23.11.
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PLANTING SCHEDULE (CITY OWNERSHIP)

CONIFEROUS TREES - REFER TO DETAIL 3 SHEET L9										
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	MATURE HEIGHT	
TM	3	<i>Tsuga martensiana</i>	Mountain Hemlock	Refer to Plan	-	2000	W.B.	native (Ontario), drought tolerant, low maintenance, full sun	Small (5-10m)	
PS	3	<i>Pinus strobus</i>	White Pine	Refer to Plan	-	2000	W.B.	full sun, low maintenance	Small (5-10m)	

DECIDUOUS TREES (ON GRADE) - REFER TO DETAIL 1 SHEET L9										
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	MATURE HEIGHT	
AR	3	<i>Acer rubrum</i>	Red Maple	Refer to Plan	50	-	W.B.	native (Ontario), fall foliage, full sun, partial sun/shade	Medium (10-15m)	
ASL	3	<i>Acer saccharum 'Legacy'</i>	Legacy Sugar Maple	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large (15m+)	
BA	2	<i>Betula alleghaniensis</i>	Yellow Birch	Refer to Plan	50	-	W.B.	native (Ontario), full sun, partial sun/shade, fall foliage	Medium (10-15m)	
JN	1	<i>Juglans nigra</i>	Black Walnut	Refer to Plan	50	-	W.B.	native (Ontario), salt tolerant, drought tolerant, full sun, edible fruit, fall foliage	Large (15m+)	
QM	1	<i>Quercus macrocarpa</i>	Bur Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, low maintenance, full sun, fall foliage	Medium (10-15m)	
TA	3	<i>Tilia americana</i>	Basswood	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, fragrant	Large (15m+)	

MIXED SHRUB BED (NATURALIZED AREAS) - REFER TO DETAIL 5 SHEET L9										
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER	
Als	4	<i>Amelanchier laevis</i>	Downy Serviceberry	3000	3 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds, fall foliage	34.00%	
Cos	2	<i>Cephalanthus occidentalis</i>	Buttonbush	1500	2 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, attracts butterflies, fragrant, long bloom, waters edge	6.00%	
Caa	3	<i>Cornus alternifolia</i>	Pagoda Dogwood	1200	3 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds, attracts butterflies, fall foliage, fragrant, low maintenance	5.00%	
Cam	3	<i>Cornus amomum</i>	Silky Dogwood	2000	2 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds	15.00%	
Csa	6	<i>Cornus alba 'Ivory Halo' (Baltho)</i>	Ivory Halo Dogwood	1500	2 Gal.	-	Pot	native (Ontario), partial sun/shade, full sun, attracts birds, fall foliage, salt tolerant	15.00%	
Dia	5	<i>Diervilla lonicera</i>	Bush Honeysuckle	750	3 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, full shade, partial sun/shade, attracts butterflies, fall foliage, fragrant, low maintenance	3.00%	
Scs	3	<i>Sambucus canadensis</i>	Canada Elderberry	2000	3 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, attracts birds, attracts butterflies, edible, fragrant	15.00%	
Saa	5	<i>Spiraea alba</i>	White Meadowsweet	600	3 Gal.	-	Pot	native (Ontario), partial sun/shade, full sun, attracts butterflies, fall foliage, long bloom, salt tolerant, low maintenance, waters edge	2.00%	
Sas	4	<i>Symphoricarpos albus</i>	Snowberry	1000	3 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts birds, low maintenance	5.00%	

PERENNIALS & HERBACEOUS PLANTS (NATURALIZED AREAS) - REFER TO DETAIL 7 SHEET L9										
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER	
Aia	11	<i>Asclepias incarnata</i>	Swamp Milkweed	800	1 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, attracts butterflies, attracts pollinators, cutting flower, waters edge	15.00%	
Ata	13	<i>Asclepias tuberosa</i>	Butterfly Milkweed	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts butterflies, attracts pollinators, cutting flower, rock garden	5.00%	
Cif	27	<i>Coreopsis lanceolata</i>	Lance-Leaved Tickseed	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, attracts pollinators, long bloom, low maintenance	10.00%	
Lsp	27	<i>Liatris spicata 'Floristan Purple'</i>	Floristan Purple Blazing Star	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, attracts birds, attracts butterflies, attracts pollinators, cutting flower	10.00%	
Lcs	10	<i>Lobelia cardinalis</i>	Cardinal Flower	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, cutting flower	5.00%	
Lsa	13	<i>Lobelia siphilitica</i>	Great Blue Lobelia	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, cutting flower	5.00%	
Lps	10	<i>Lupinus perennis</i>	Sundial Lupine	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts birds, attracts butterflies, attracts pollinators, cutting flower, salt tolerant, rock garden	20.00%	
Mda	8	<i>Monarda didyma</i>	Beebalm	800	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, ethnobotanical, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, fragrant	10.00%	
Mfa	13	<i>Monarda fistulosa</i>	Wild Bergamot	450	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, ethnobotanical, partial sun/shade, attracts butterflies, attracts birds, attracts pollinators, fragrant	5.00%	
Pda	13	<i>Phlox divaricata</i>	Woodland Phlox	450	1 ltr	-	Pot	native (Ontario), drought tolerant, full sun, attracts butterflies, attracts pollinators, fragrant	5.00%	
Eum	5	<i>Eupatorium maculatum</i>	Joe Pye Weed	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, attracts pollinators, attracts birds, cutting flower, colourful flowers	10.00%	

ORNAMENTAL GRASS (NATURALIZED AREAS) - REFER TO DETAIL 7 SHEET L9										
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	SIZE (Pot)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	% BED COVER	
Agj	16	<i>Andropogon gerardii</i>	Big Bluestem	900	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, cutting flower, heat tolerant, fall foliage, long bloom	20.00%	
Bga	22	<i>Bouteloua gracilis</i>	Blue Grama	300	1 Gal.	-	Pot	native (Ontario), drought tolerant, full sun, attracts birds, heat tolerant, low maintenance, long bloom, ground cover	3.00%	
Ccs	13	<i>Calamagrostis canadensis</i>	Canada Blue Joint	1000	1 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, drought tolerant, long bloom, low maintenance	20.00%	
Cbi	67	<i>Carex bebbii</i>	Bebb's Sedge	100	1 Gal.	-	Pot	native (Ontario), full sun, partial sun/shade, rain garden, waters edge	1.00%	
Cca	9	<i>Carex comosa</i>	Bristly Sedge	1000	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts birds, long bloom, salt tolerant, low maintenance	13.00%	
Cgi	15	<i>Carex grayi</i>	Morning Star Sedge	600	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, cutting flower, long bloom, waters edge	8.00%	
Cpa	13	<i>Carex pensylvanica</i>	Wood Sedge	400	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, full shade, attracts birds, low maintenance, ground cover	3.00%	
Csa	13	<i>Carex stricta</i>	Tussock Sege	500	1 Gal.	-	Pot	native (Ontario), drought tolerant, rain garden, full sun, partial sun/shade, attracts birds, long bloom, low maintenance, waters edge	5.00%	
Cva	13	<i>Carex vulpinoidea</i>	Fox Sedge	500	1 Gal.	-	Pot	native (Ontario), rain garden, full sun, partial sun/shade, attracts birds, low maintenance, waters edge	5.00%	
Hoa	10	<i>Hierochloa odorata</i>	Sweet Grass	1200	1 ltr	-	Pot	native (Ontario), ethnobotanical, full sun, partial sun/shade, attracts birds, salt tolerant, waters edge	22.00%	

NATIVE SEED MIX (826.4M ²)	
DROUGHT TOLERANT POLLINATOR MEADOW	
SOW AT 500g/180M ²	
BOTANICAL NAME	COMMON NAME
<i>Aster novae-angliae</i>	New England Aster
<i>Desmodium canadense</i>	Showy Tick Trefoil
<i>Elymus canadensis</i>	Canada Wild Rye
<i>Elymus virginicus</i>	Virginia Wild Rye
<i>Eupatorium perfoliatum</i>	Boneset
<i>Liatris spicata</i>	Dense Blazing Star
<i>Monarda fistulosa</i>	Wild Bergamot
<i>Penstemon digitalis</i>	Foxglove / Beardtongue
<i>Rudbeckia hirta</i>	Black Eyed Susan
<i>Schizachyrium scorparium</i>	Little Bluestem
<i>Sorghastrum nutans</i>	Indiangrass
<i>Verbena hastata</i>	Blue Vervain

Notes

0	ISSUED FOR CITY REVIEW	TA	KP	25.02.20
Revision		By	Appd.	YY.MM.DD

File Name:	160410375-L200	BL	KP / L	KP / BL	23.11.22
		Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal



Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

2475 REGINA STREET

Ottawa, ON

Title
PLANTING SCHEDULE
CITY OWNERSHIP

Project No. 160410375 Scale

Drawing No. Sheet Revision

Legend

Notes

Revision	By	Appd.	YY.MM.DD
4	TA	KP	25.02.20
3	TA	KP	24.11.28
2	TA	KP	24.11.15
1	BL	KP	24.03.15

File Name:	BL	KP / L	KP / BL	23.11.22
160410375-L200	Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

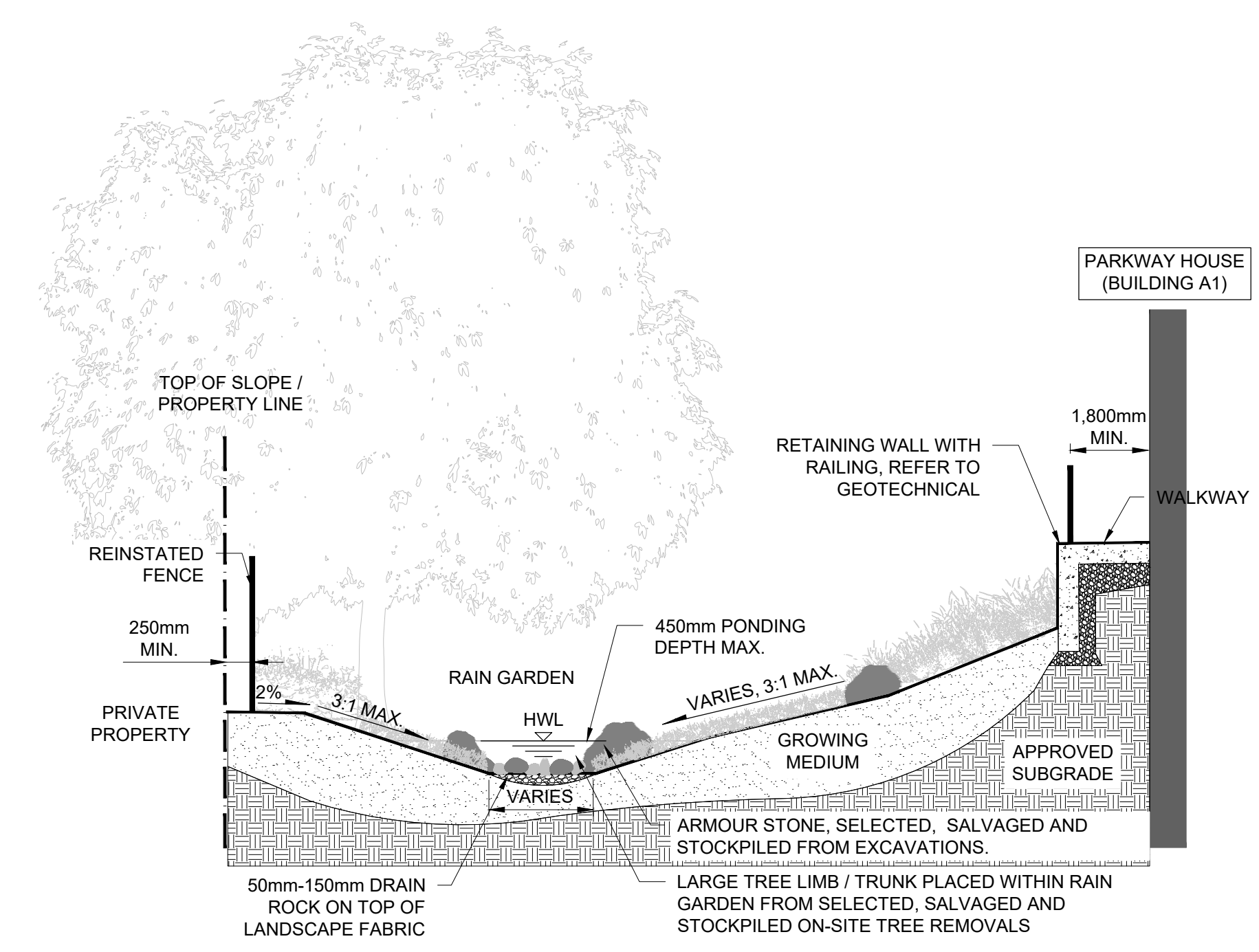


Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

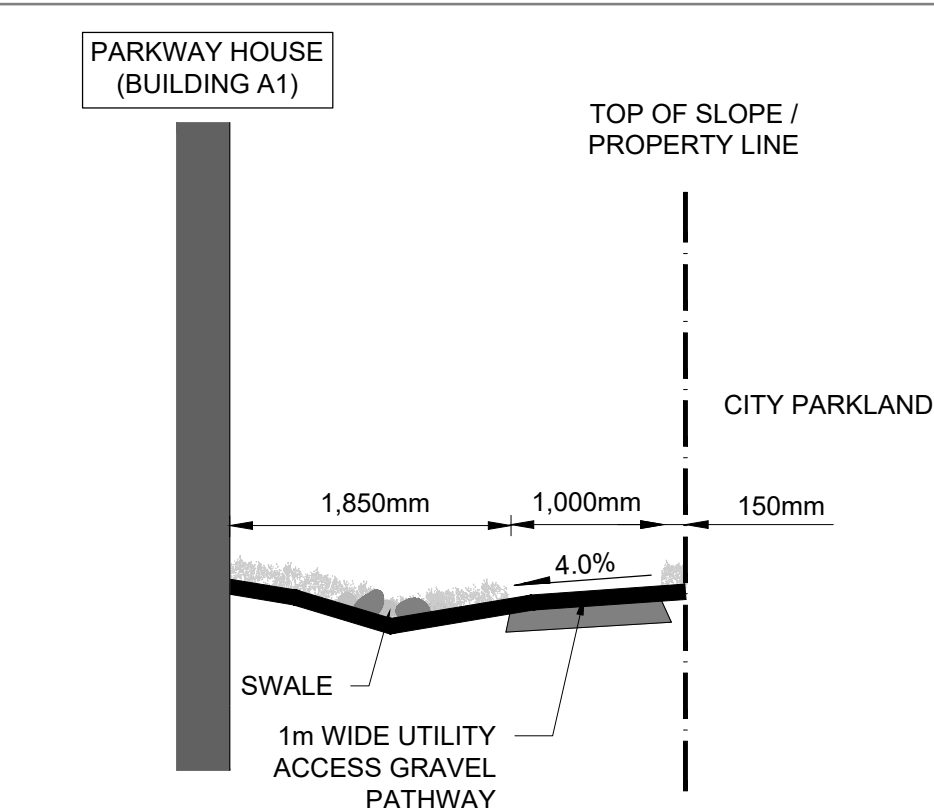
2475 REGINA STREET
Ottawa, ON

Title
LANDSCAPE SECTIONS / ELEVATIONS - I

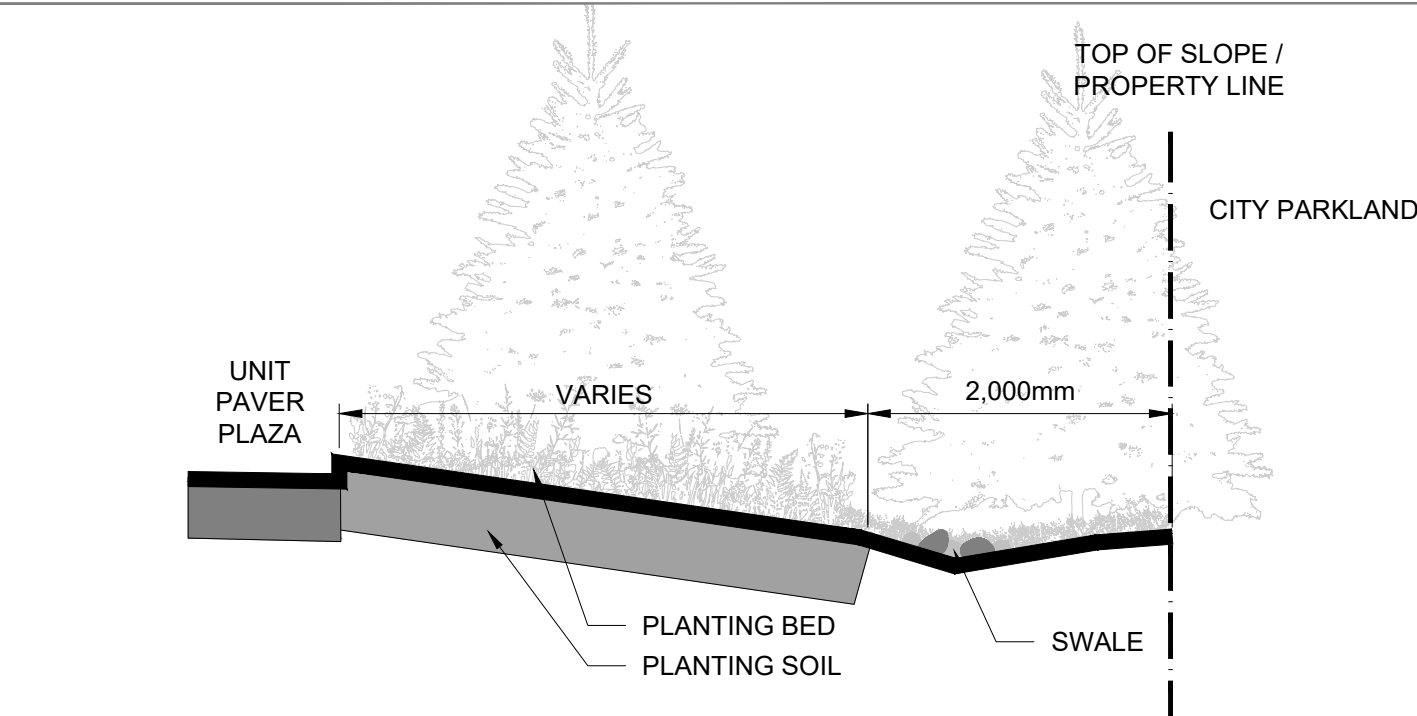
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160410375	AS NOTED	
Drawing No.	Sheet	Revision
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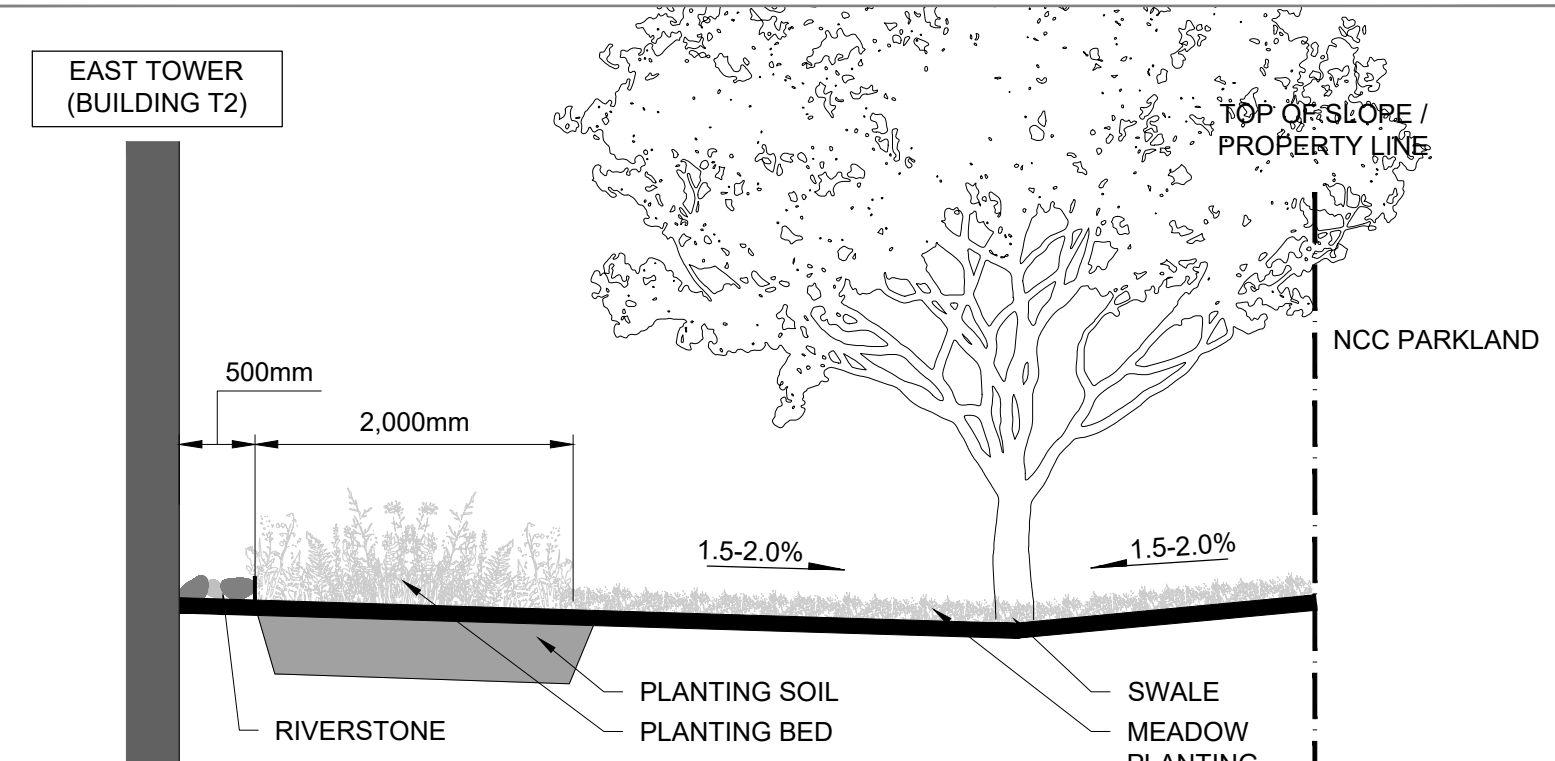
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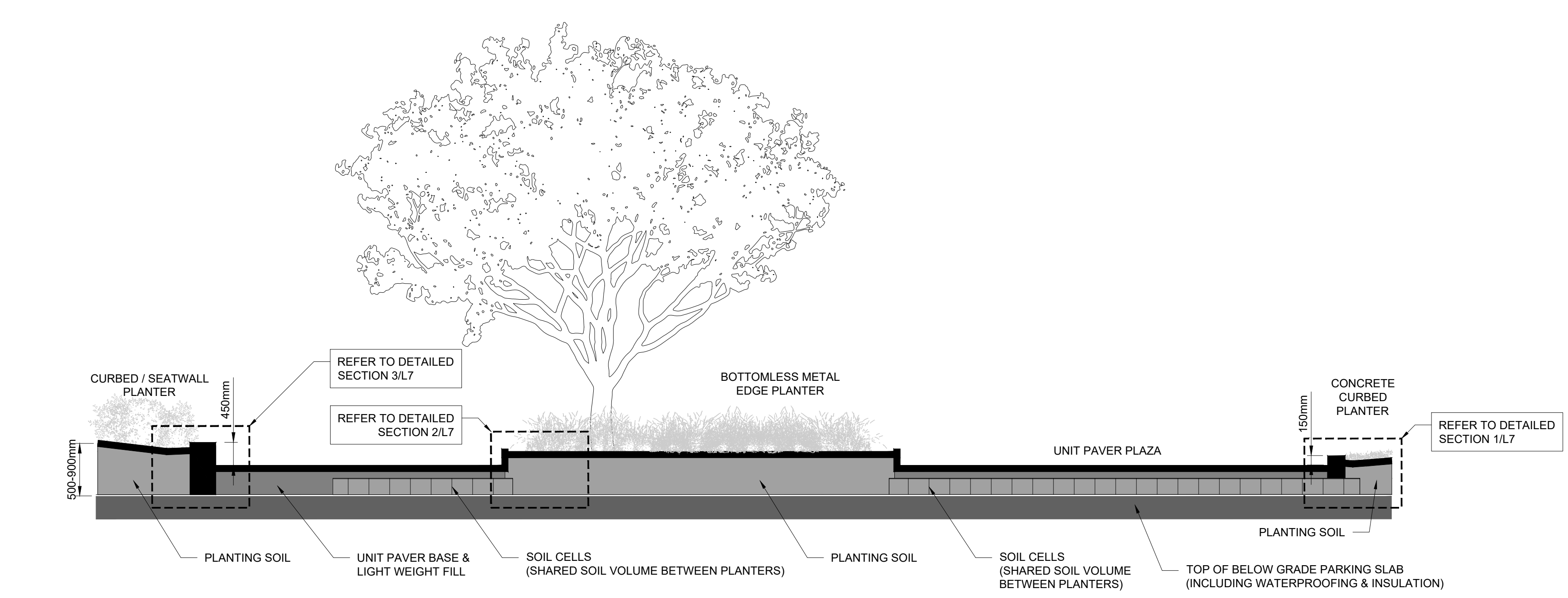
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L6 SCALE 1:50



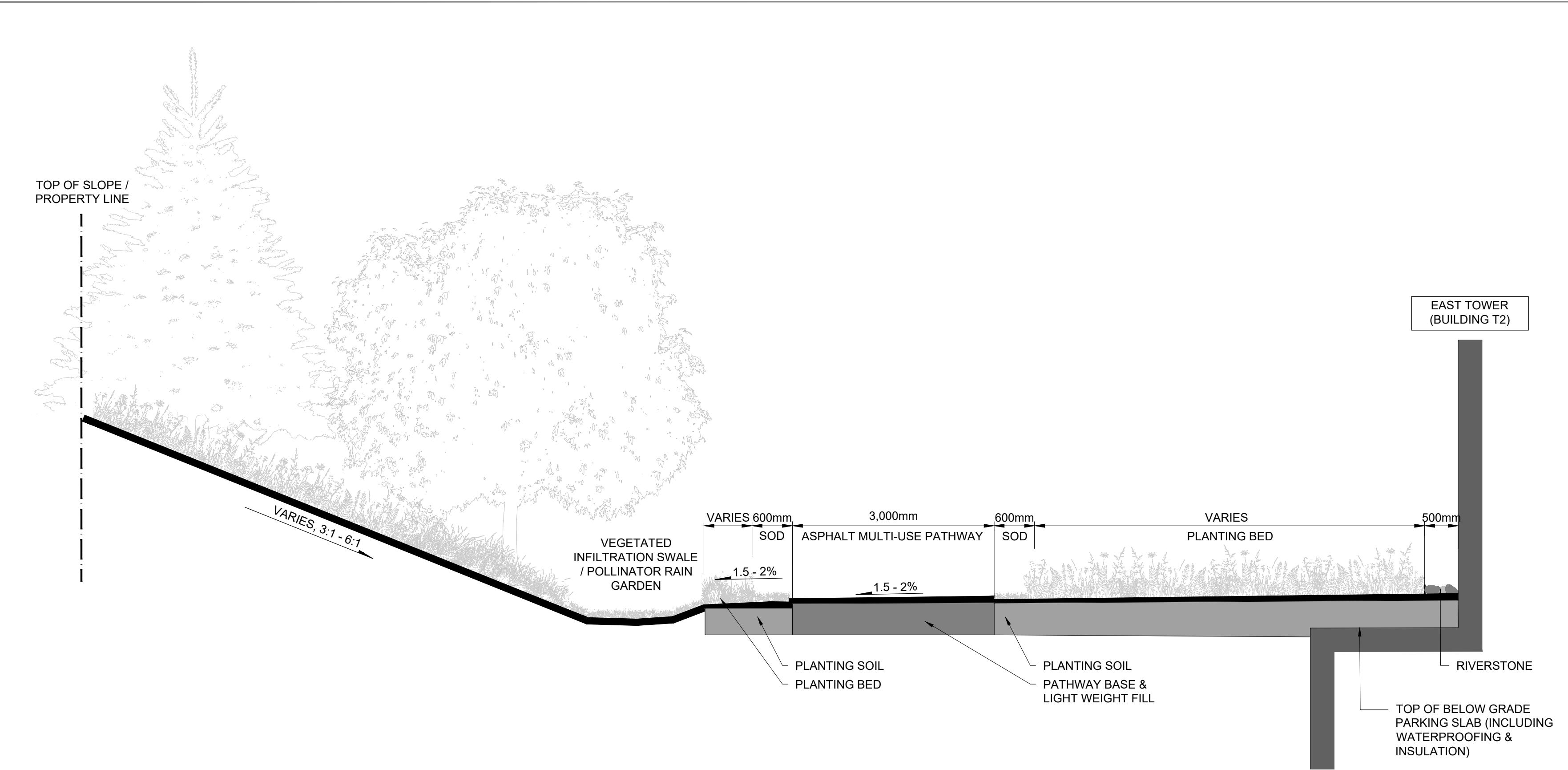
6 SECTION / ELEVATION: NORTH SWALE AND PLANTING BED
L6 SCALE 1:50



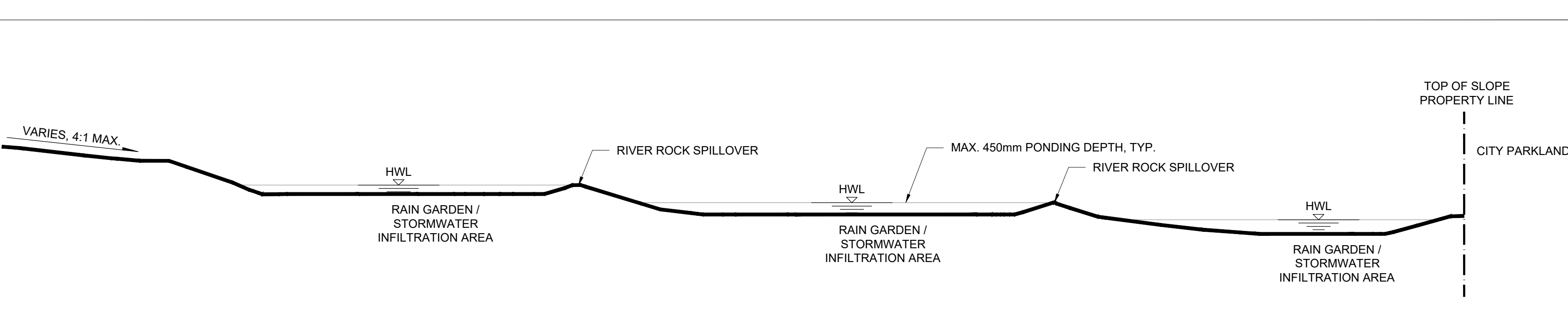
7 SECTION / ELEVATION: EAST TOWER EASTERN EDGE WITH SWALE
L6 SCALE 1:50



1 SECTION / ELEVATION: COMMON PLAZA
L6 SCALE 1:50



2 SECTION / ELEVATION: EAST TOWER SOUTH EMBANKMENT
L6 SCALE 1:50



3 SECTION: PARKWAY HOUSE POLLINATOR RAIN GARDEN (N-S LONGITUDINAL VIEW)
L6 SCALE 1:100

X:\2024\2475\160410375\160410375.dwg (Drawing) Production: 160410375_L6-12-landscape_sections_elevations.dwg 2024/02/20 11:53 AM by: archi, larry ORIGINAL SHEET - ARCH D

Revision	By	Appd.	YY.MM.DD
0	TA	KP	25.02.20

File Name:	BL	KP / L	KP / BL	23.11.22
160410375-L200	Dwn.	Chkd.	Dgn.	YY.MM.DD

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Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

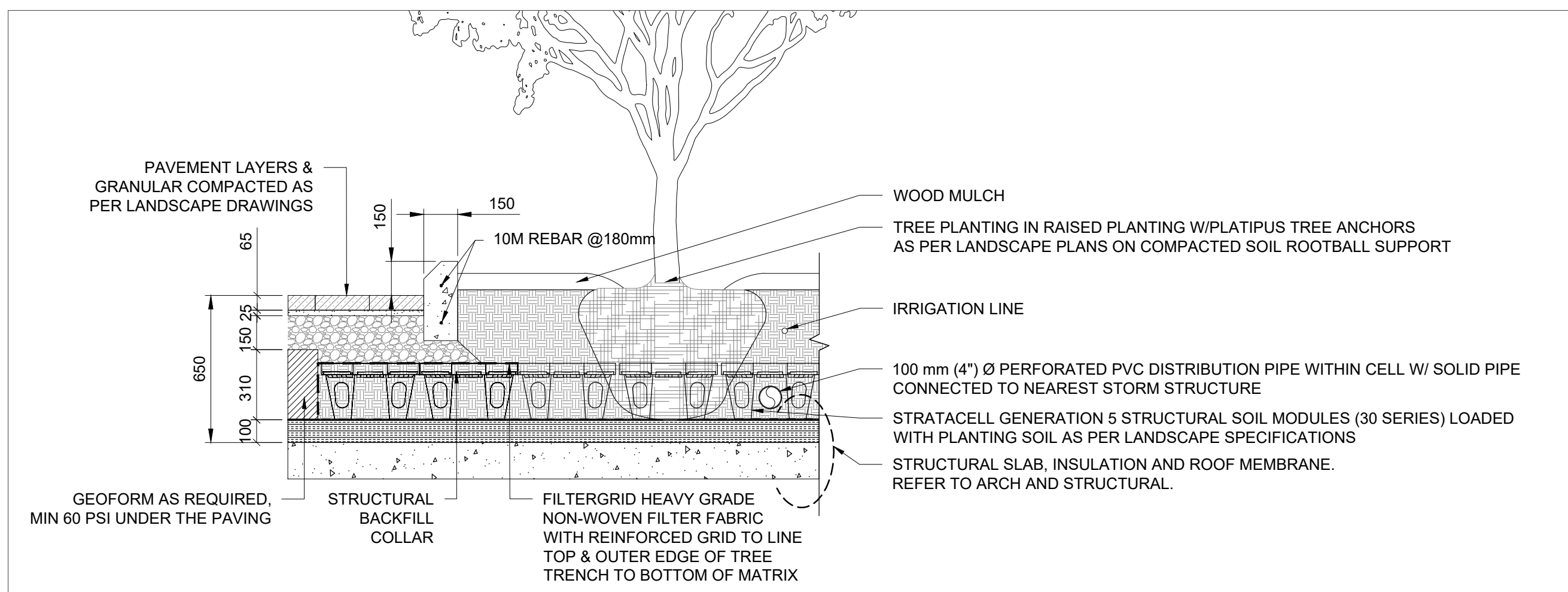
2475 REGINA STREET

Ottawa, ON

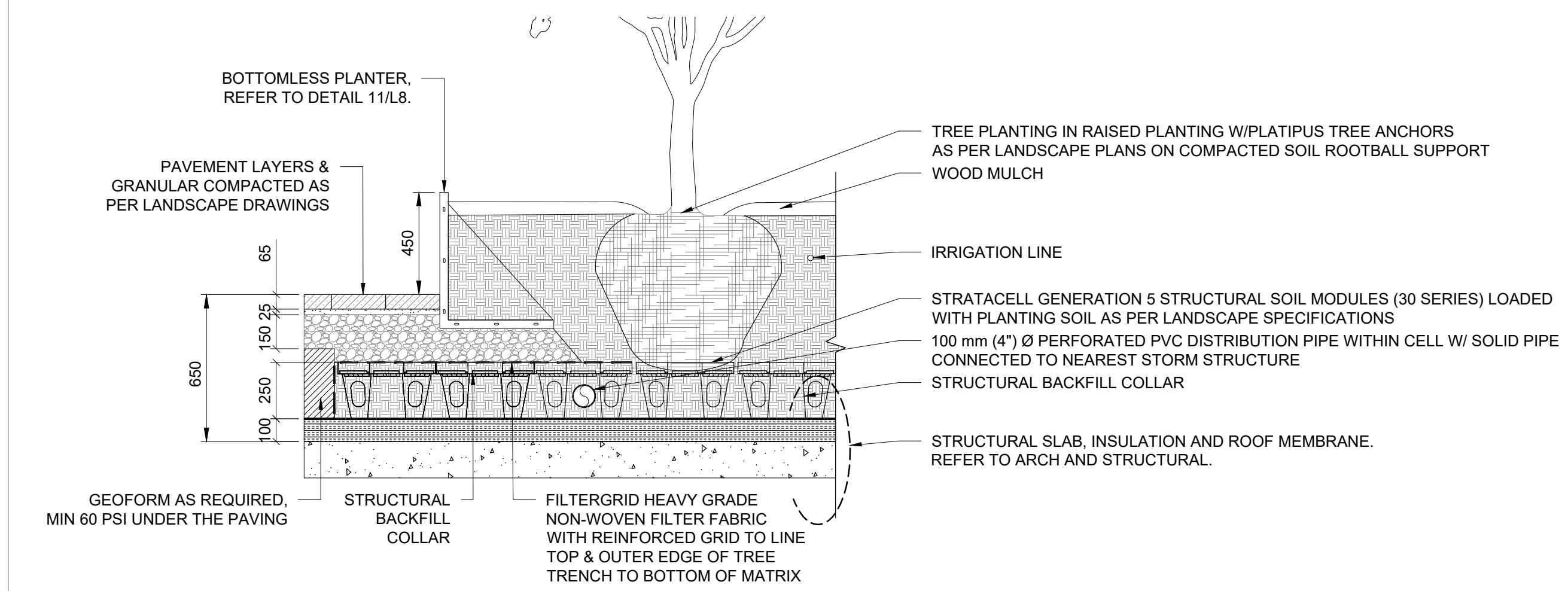
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Drawing No.	Sheet	Revision

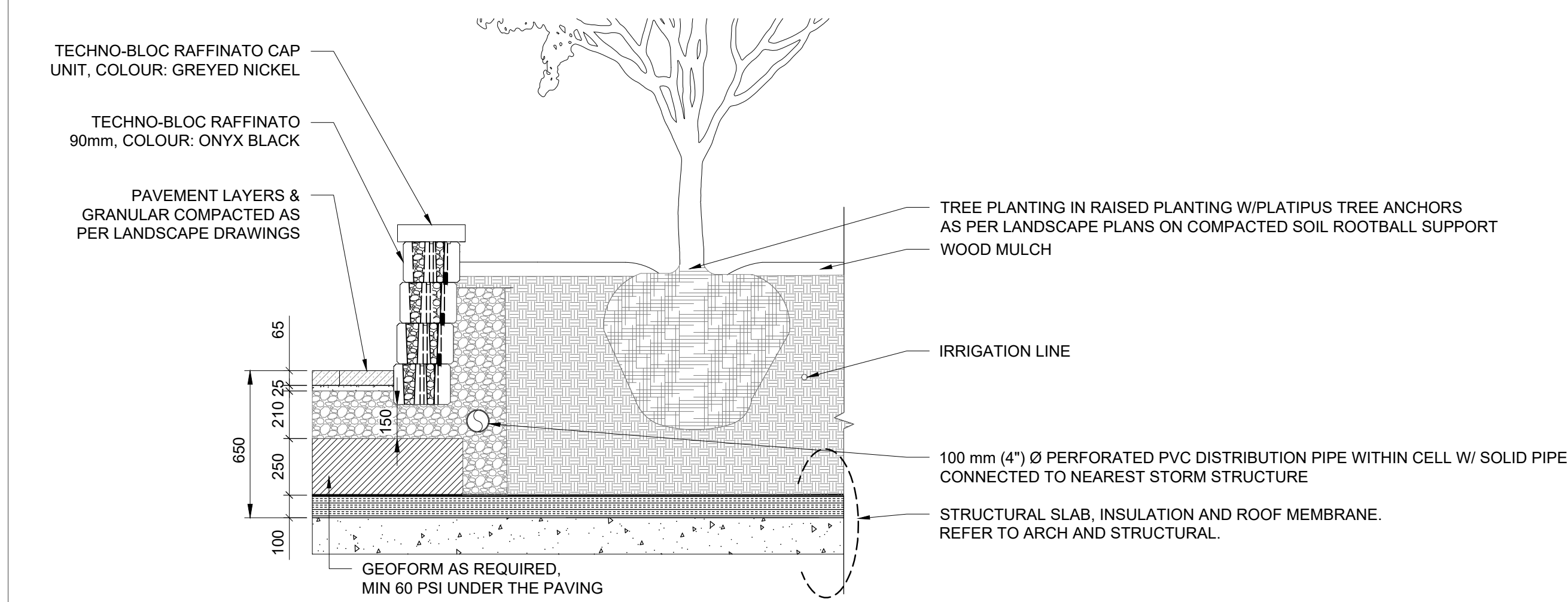
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1 SECTION: CURBED PLANTER
L7 SCALE 1:20



2 SECTION: BOTTOMLESS PLANTER
L7 SCALE 1:20



3 SECTION: RETAINING WALL PLANTER
L7 SCALE 1:20

Revision	By	Appd.	YY.MM.DD
4	IA	KP	25.02.20
3	IA	KP	24.11.28
2	IA	KP	24.11.15
1	BL	KP	24.03.15

File Name:	CA	KP / L	KP / BL	23.11.22
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Permit-Seal



Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

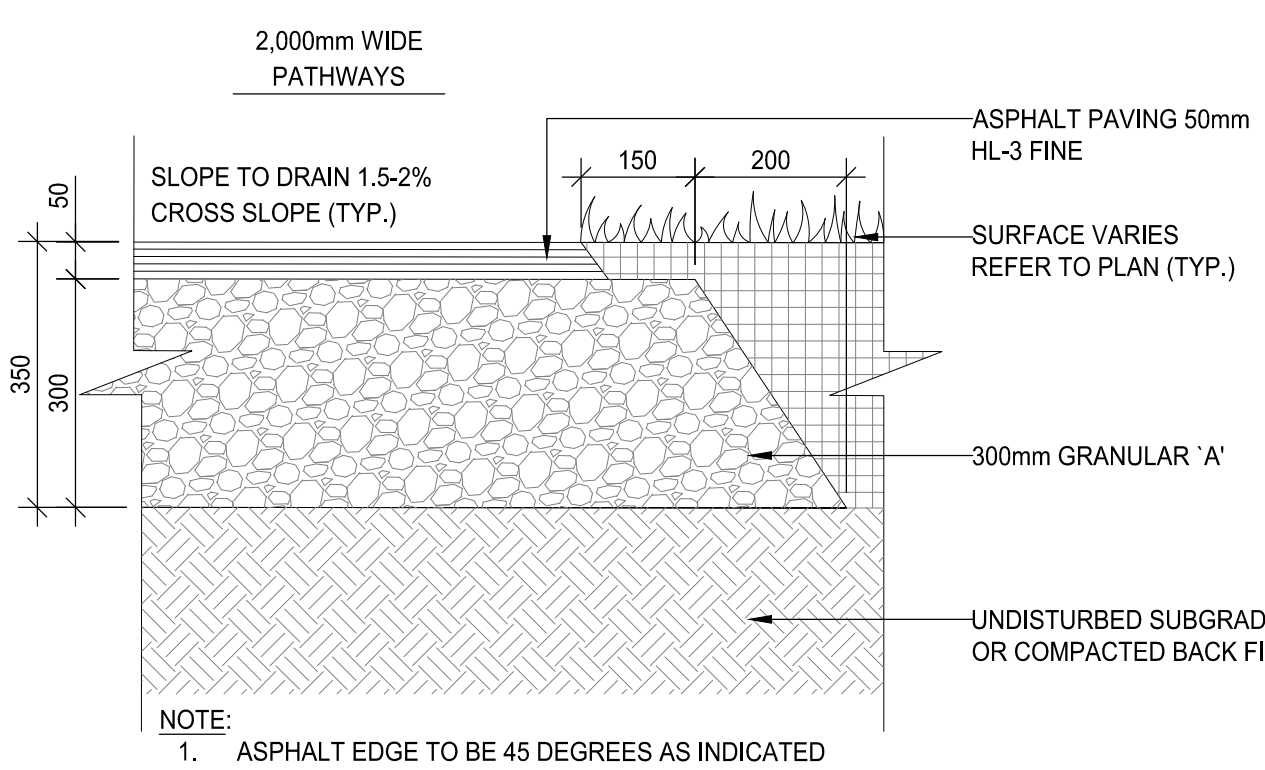
2475 REGINA STREET

Ottawa, ON

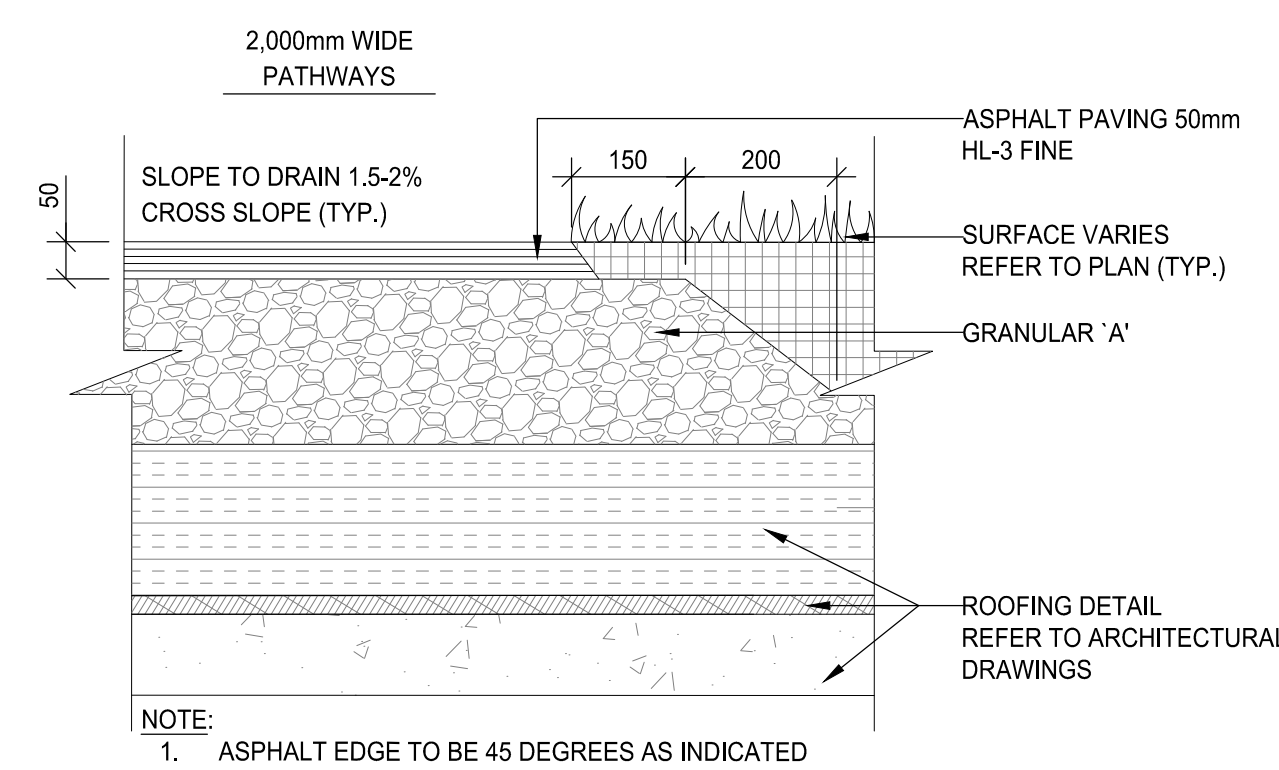
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LANDSCAPE DETAILS &
GENERAL NOTES - I

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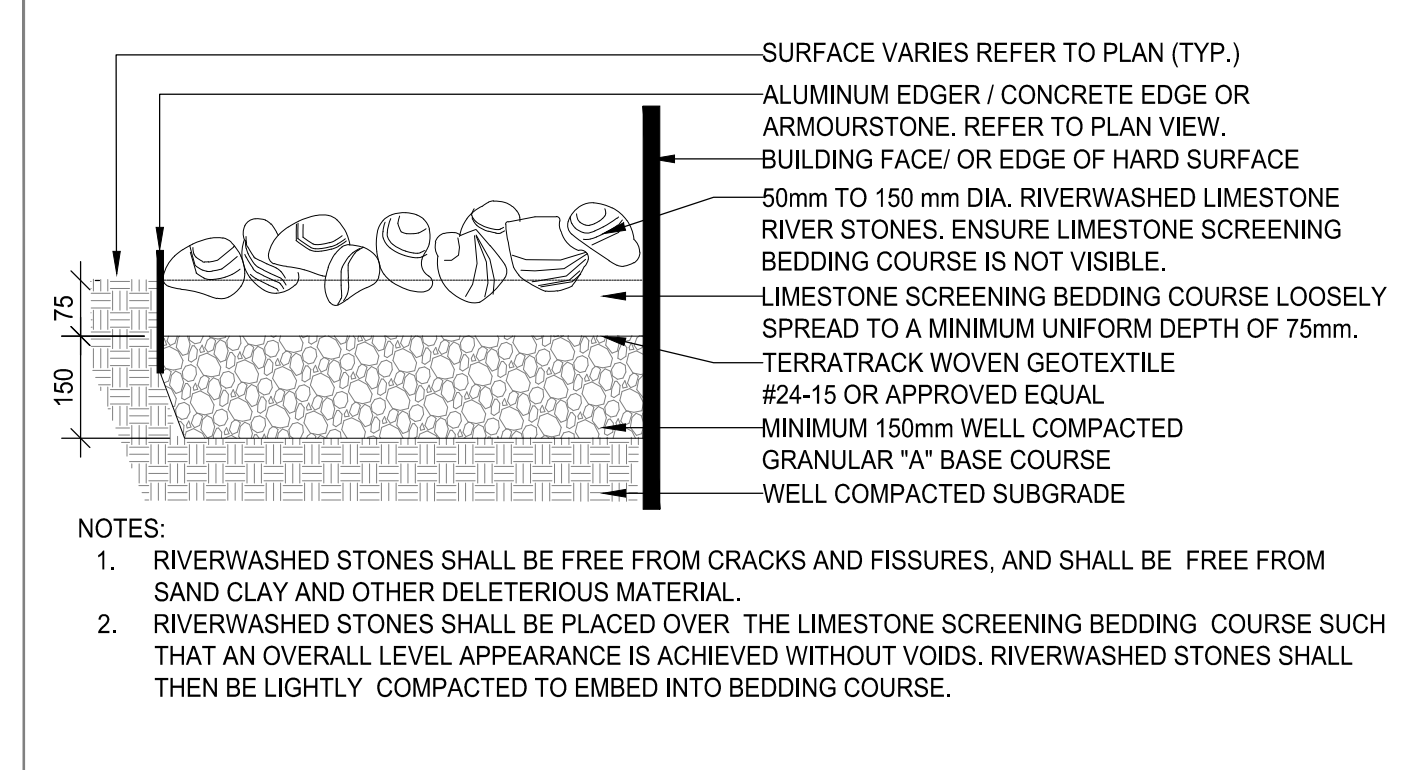
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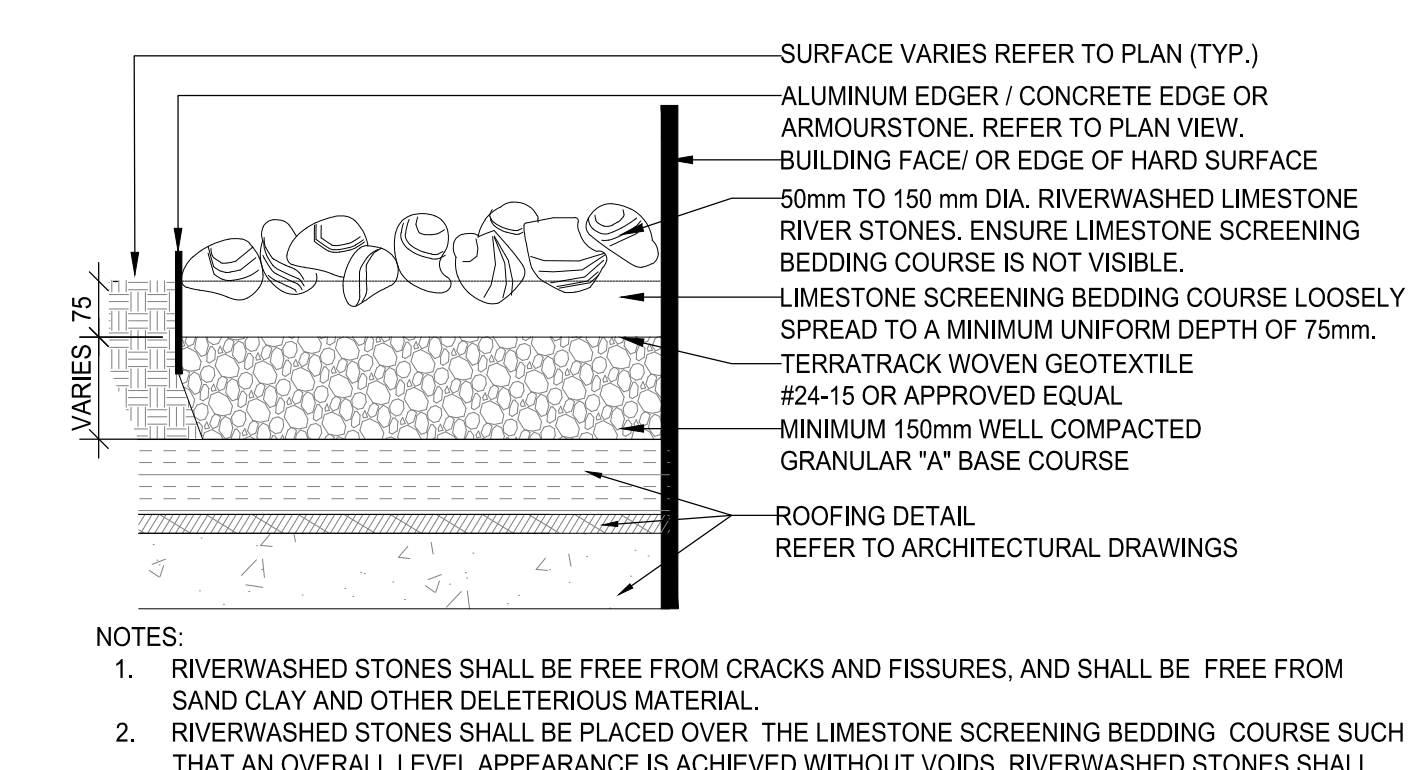
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SCALE 1:10



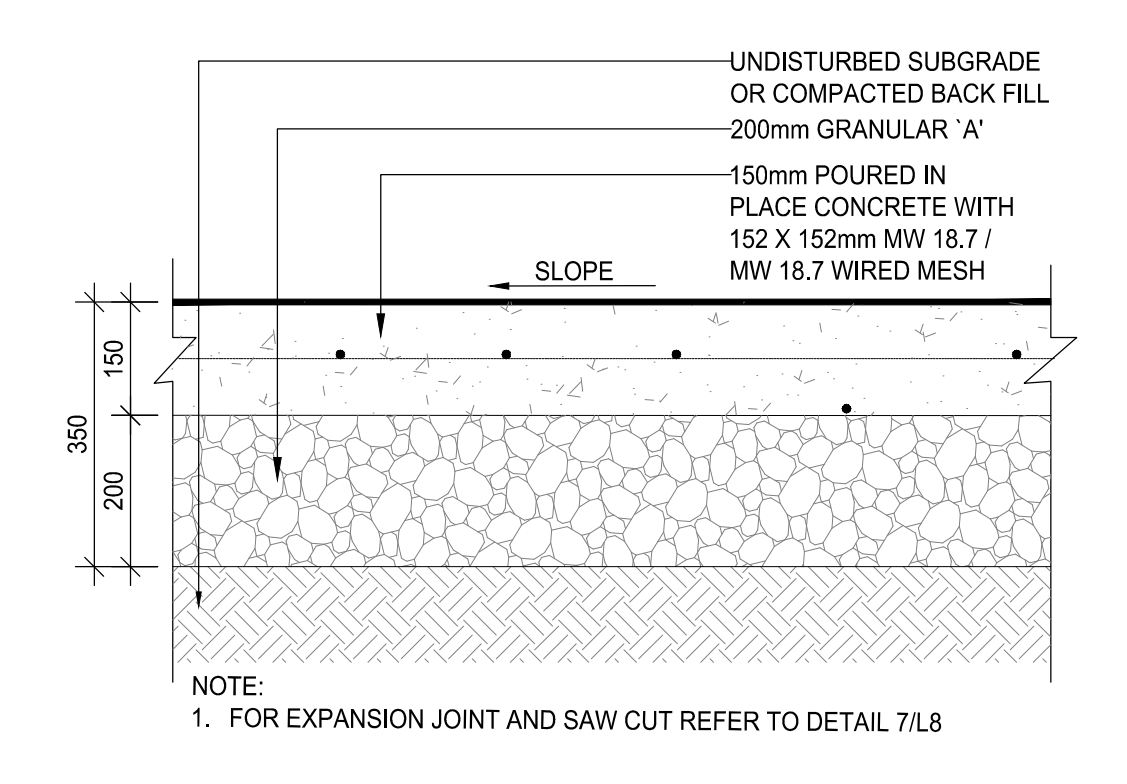
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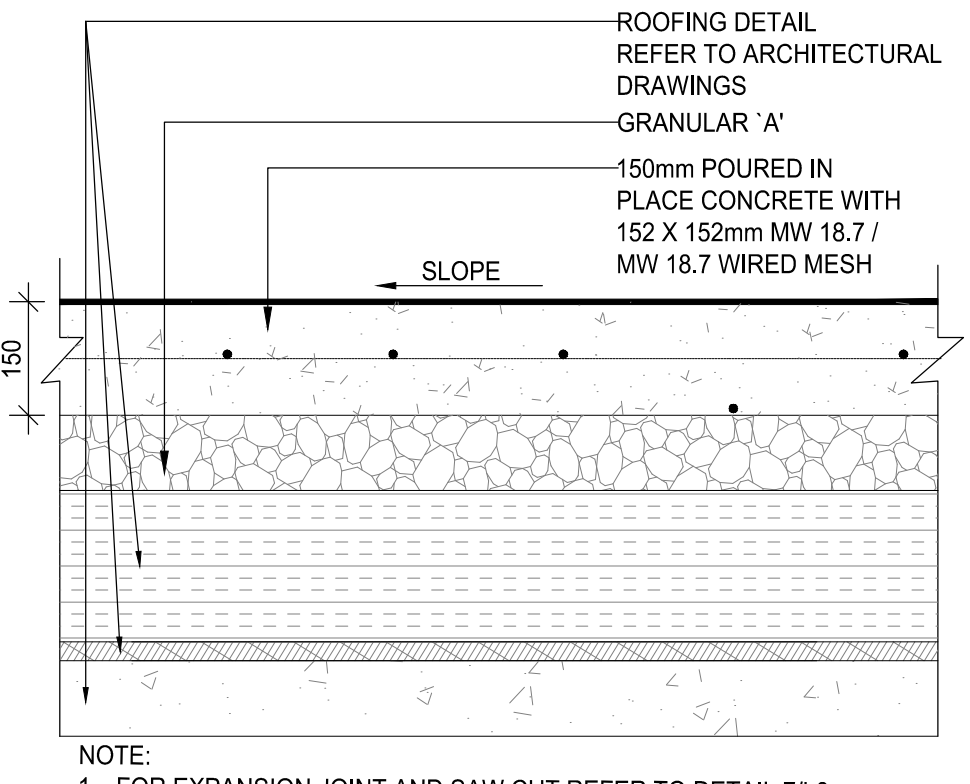
3 RIVERWASHED STONES ON GRADE
SCALE 1:10



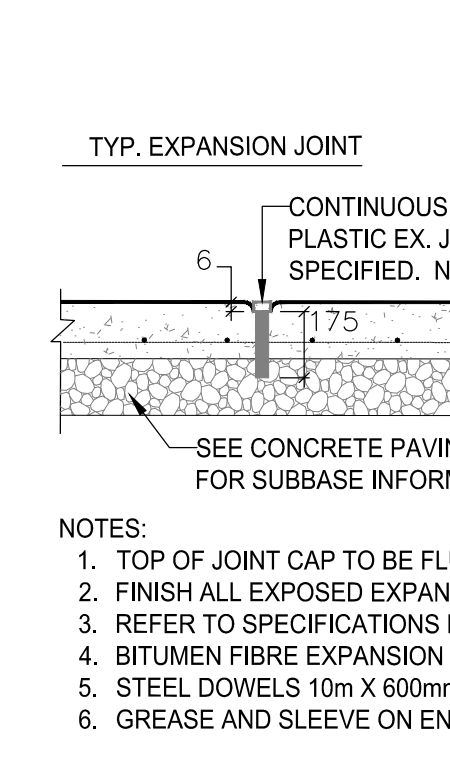
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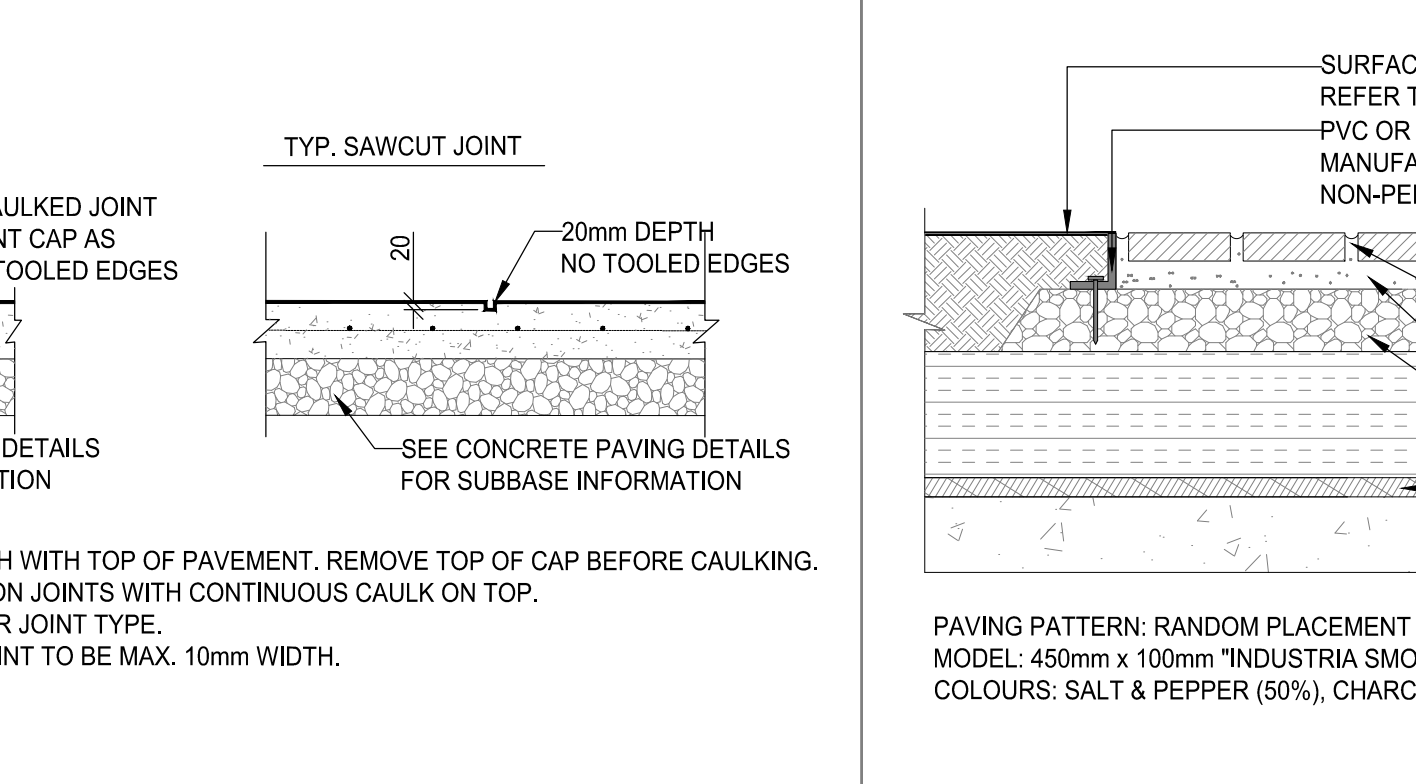
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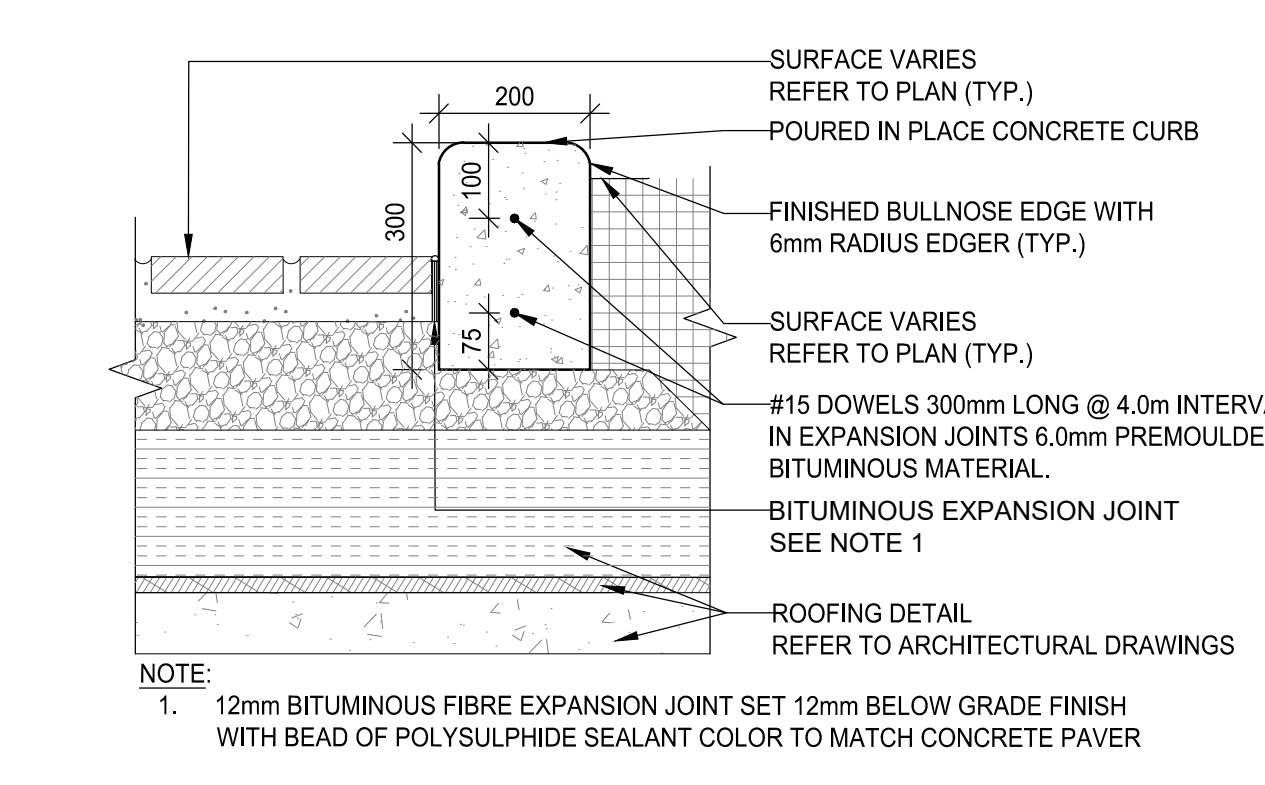
6 CONCRETE PAVEMENT DETAIL ON SLAB
SCALE 1:10



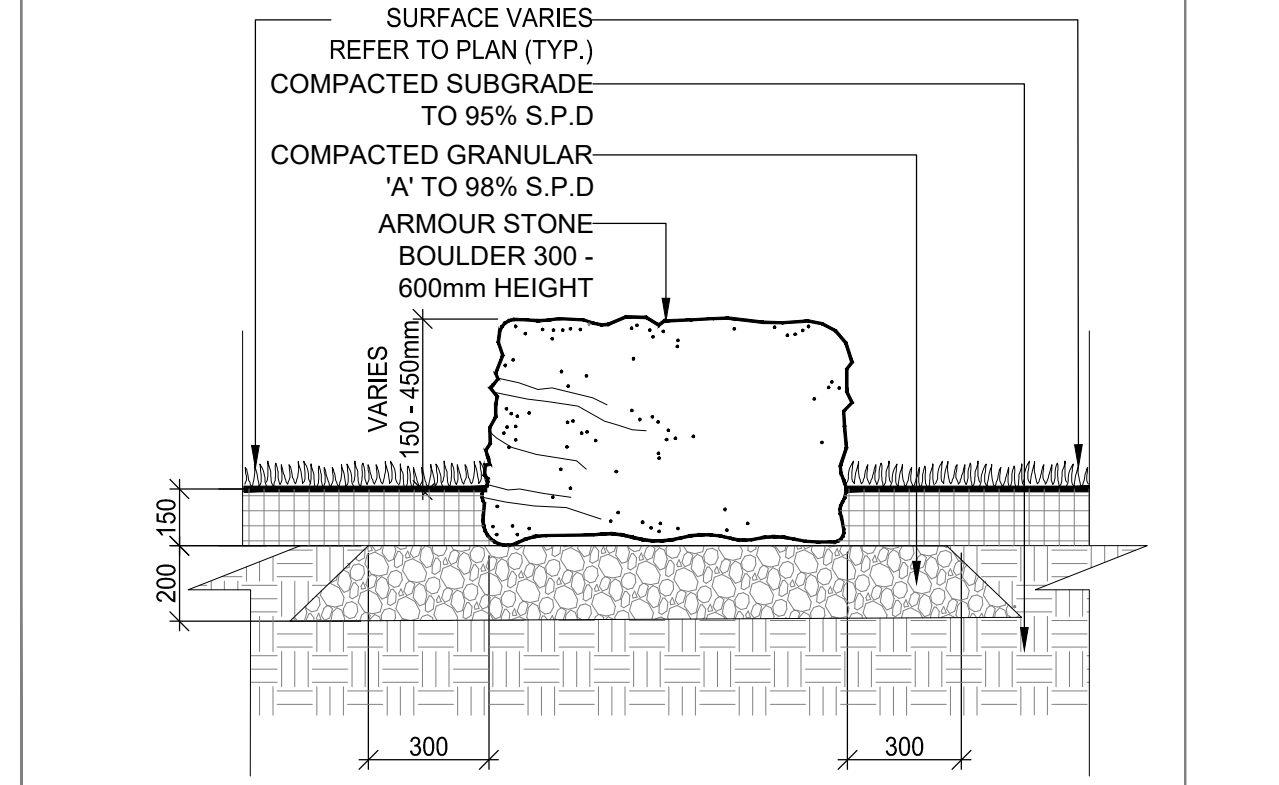
7 CONCRETE JOINTS DETAIL
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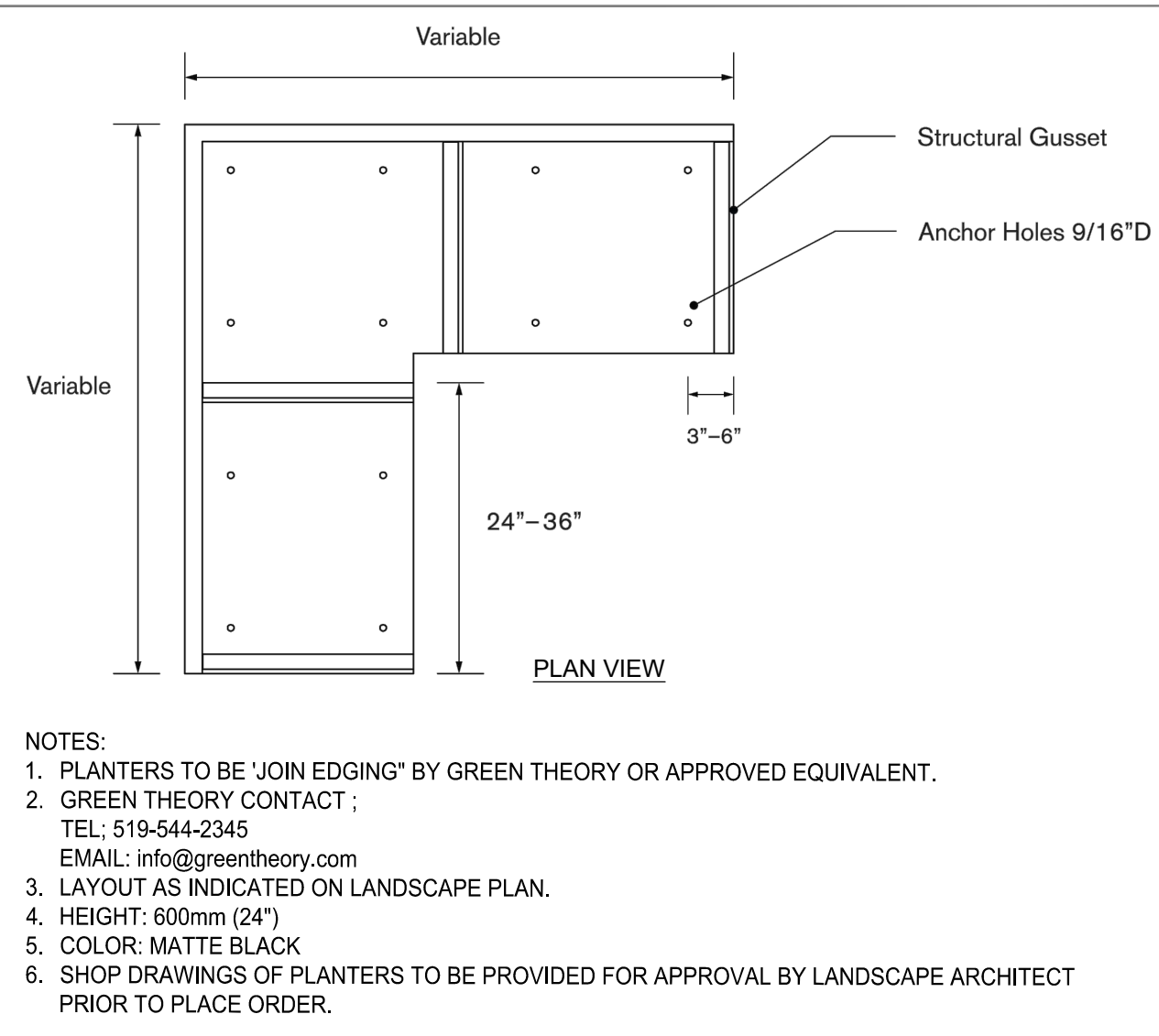
8 UNIT PAVING DETAIL ON SLAB
SCALE 1:10



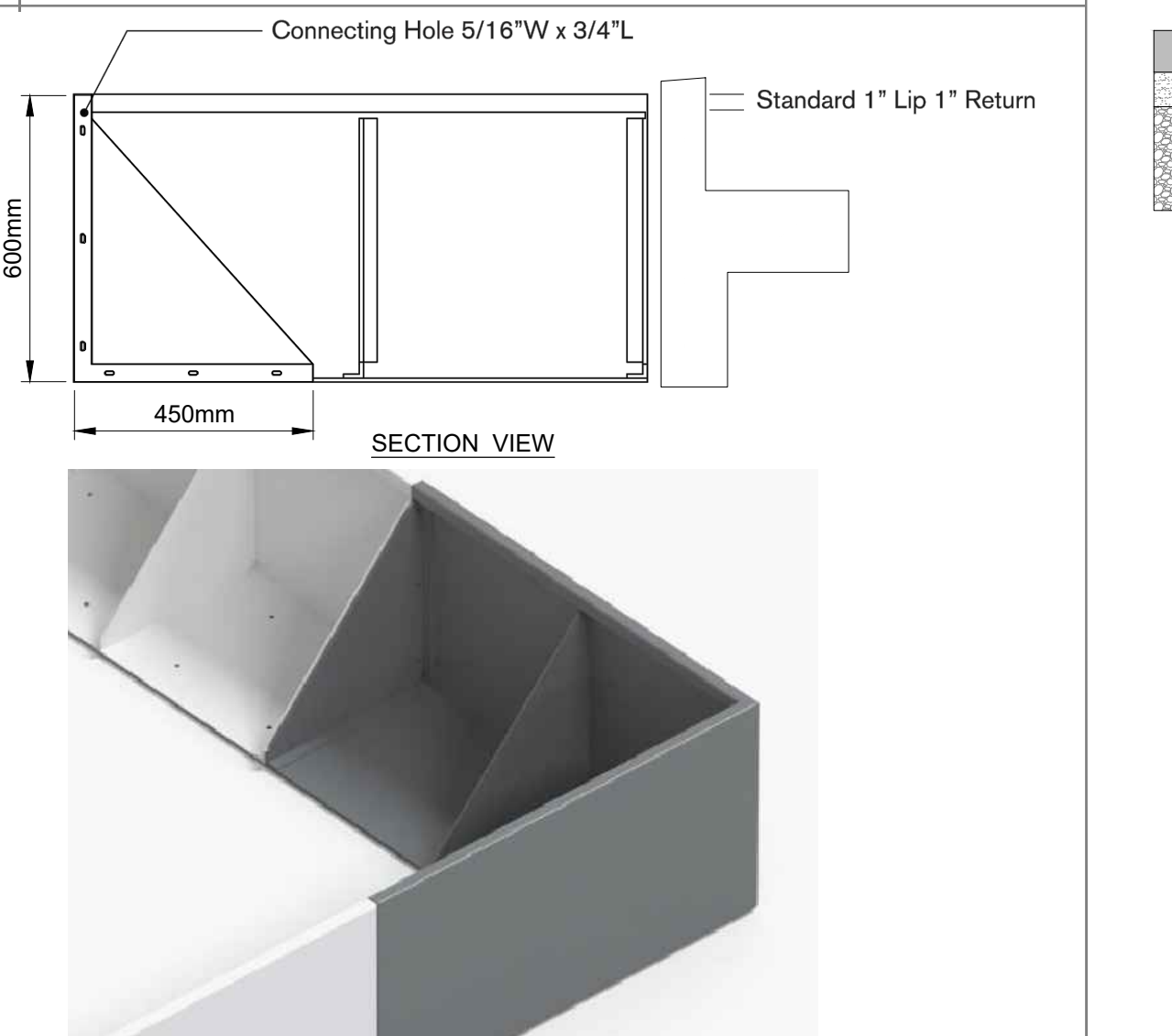
9 CONCRETE PLANTING BED CURB ON SLAB
SCALE 1:10



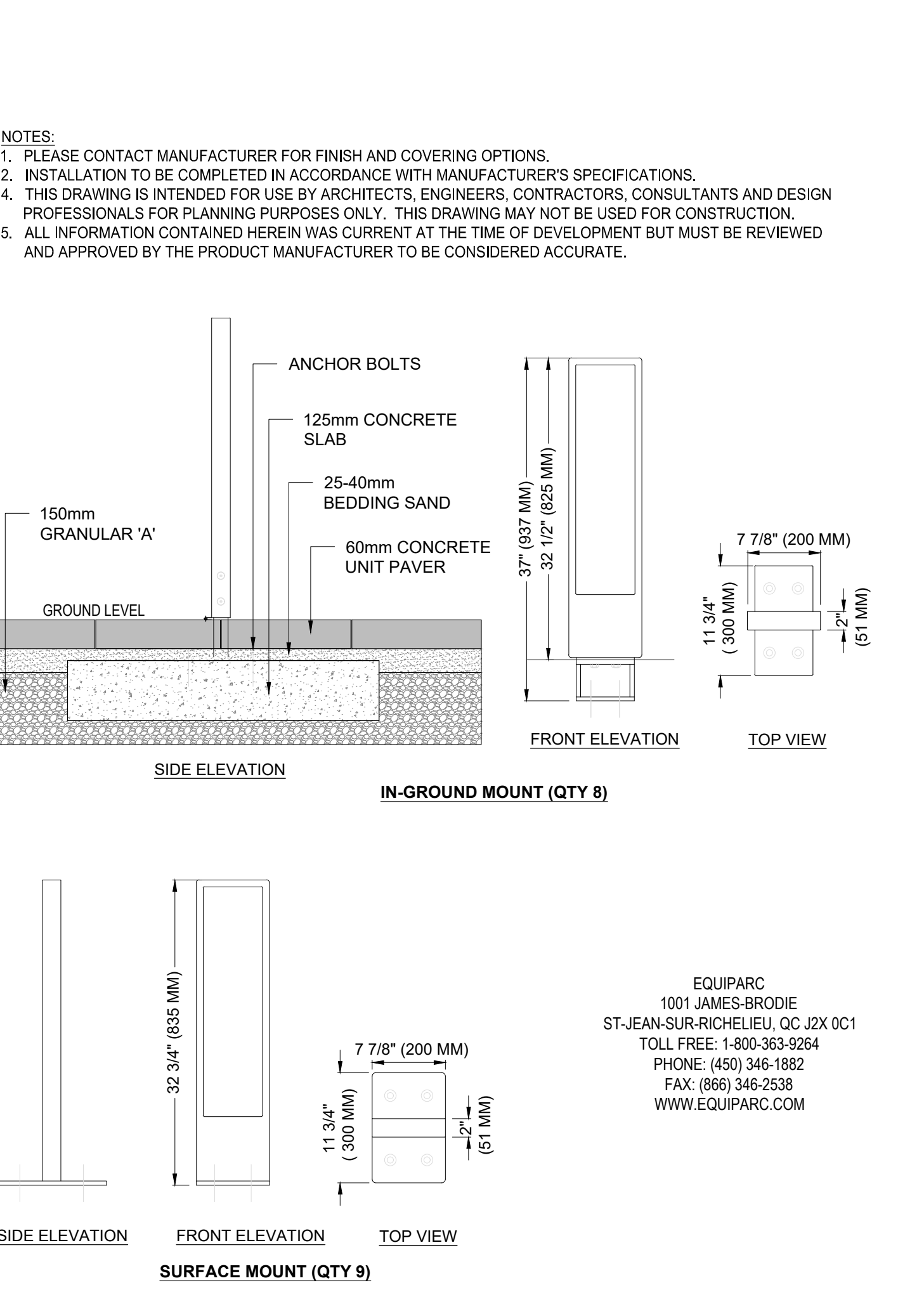
10 ARMOURSTONE BOULDER
SCALE 1:20



11 HEAVY DUTY ALUMINUM PLANTER
SCALE N.T.S.

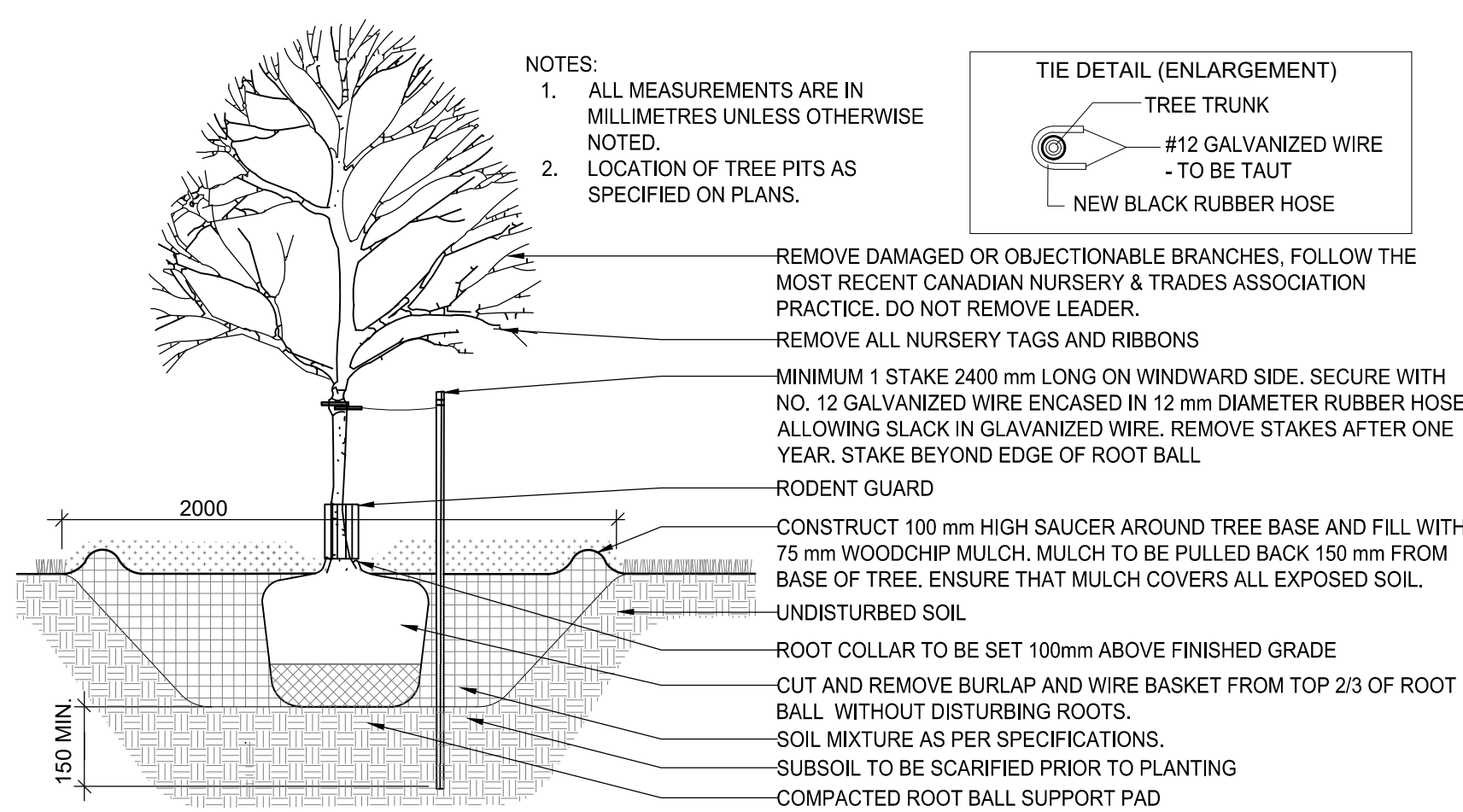


12 BIKE RACKS
SCALE N.T.S.

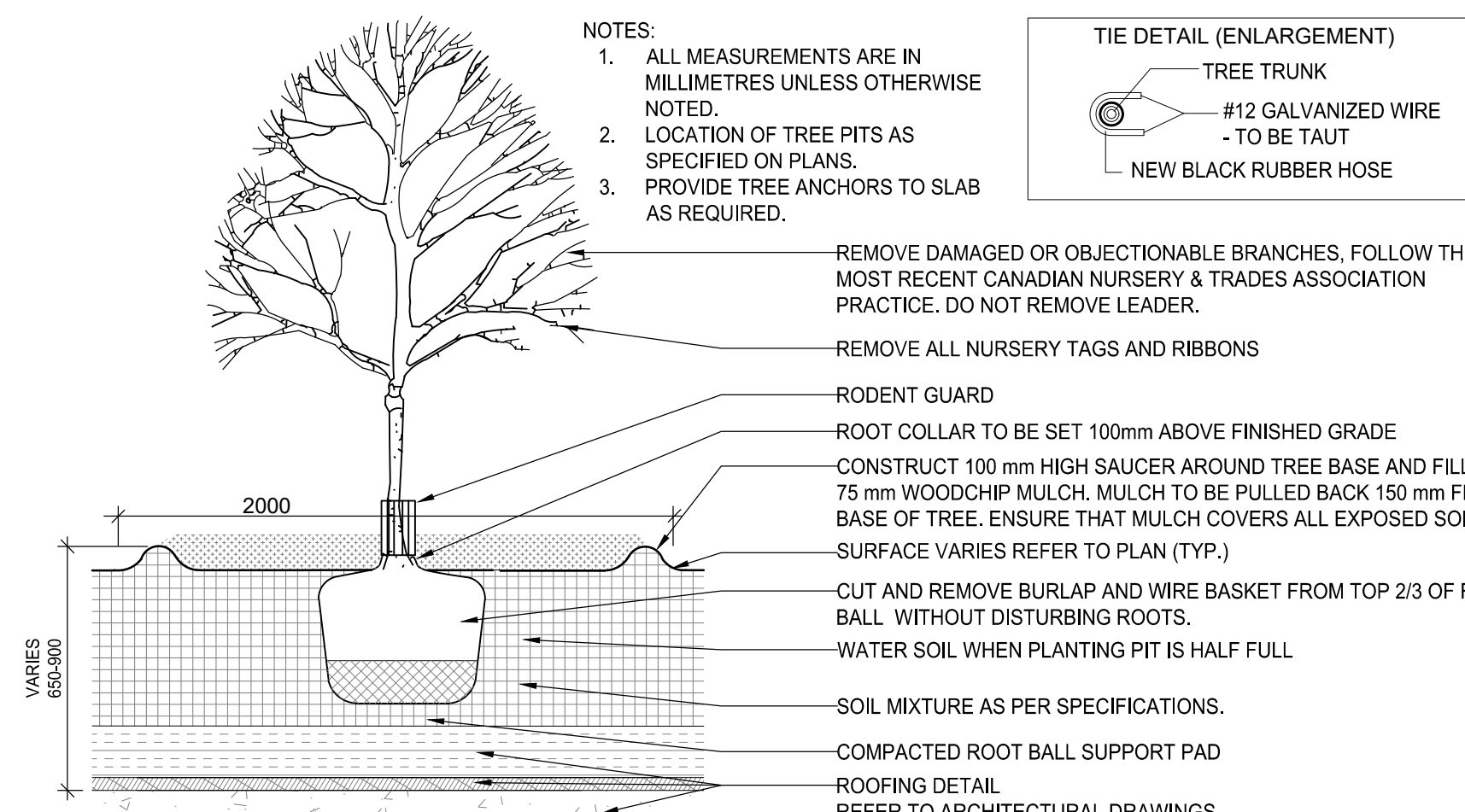


13 CHAIN LINK FENCE END POST
SCALE N.T.S.

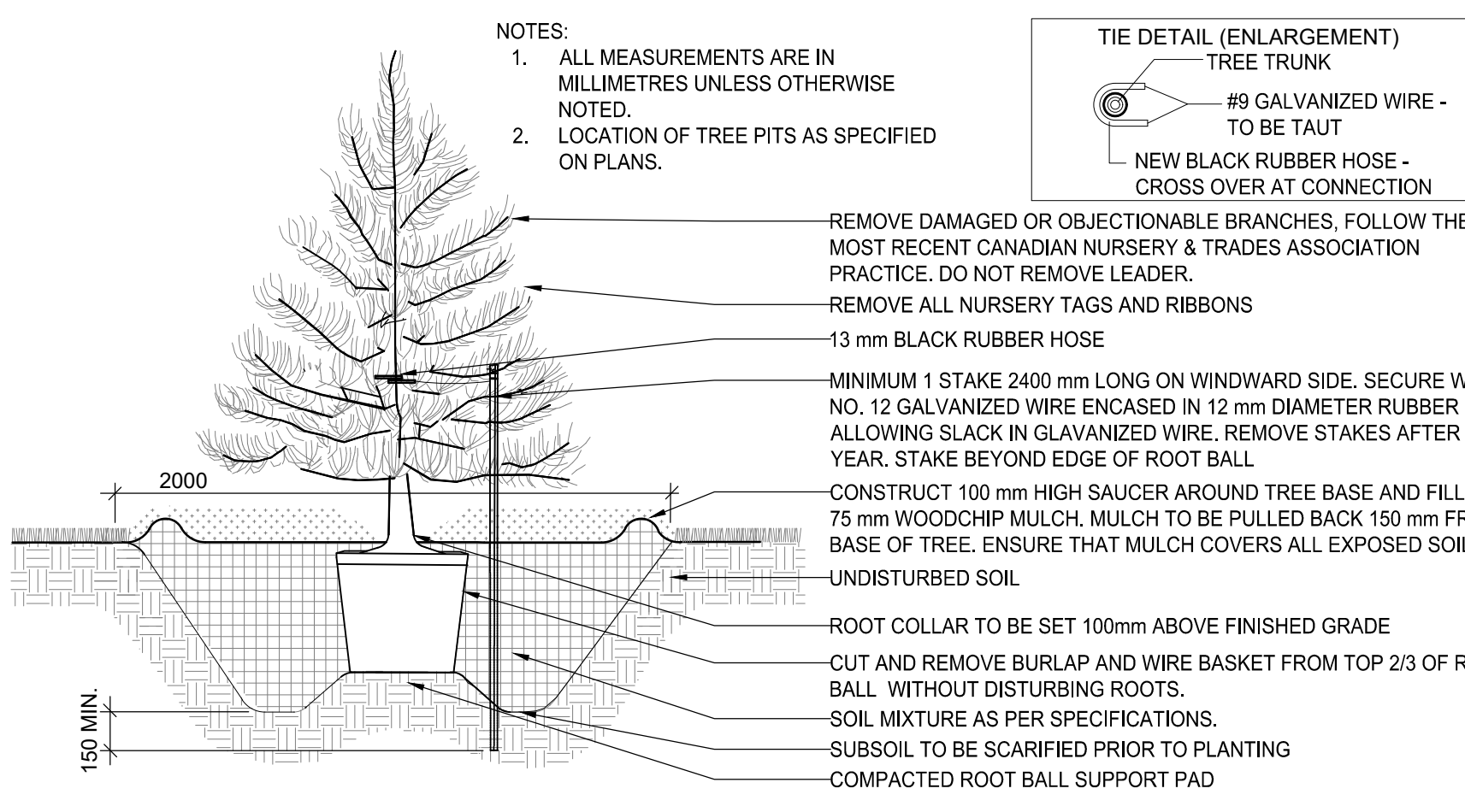
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 ORIGINAL SHEET - ARCH D



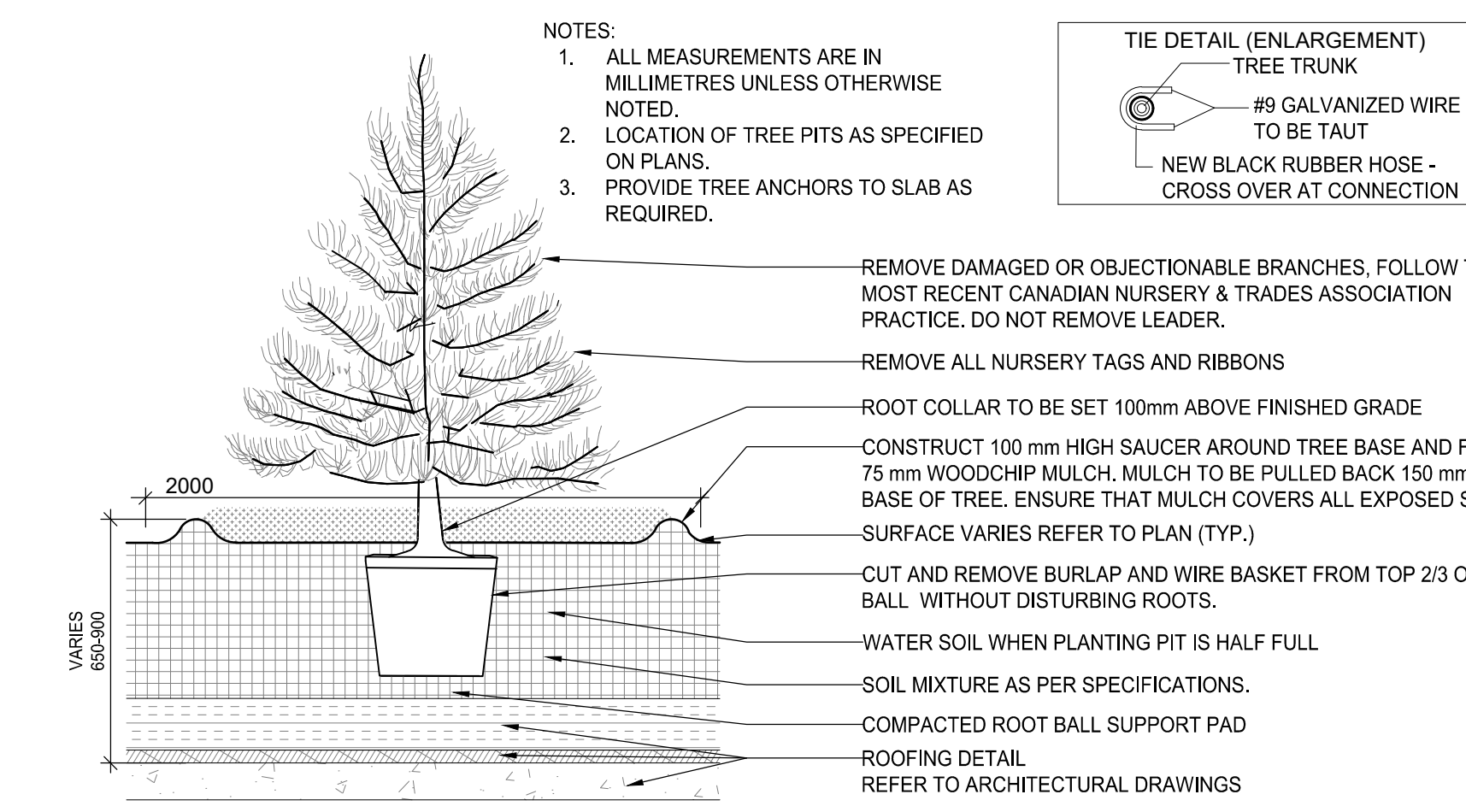
1 DECIDUOUS TREE PLANTING ON GRADE
SCALE N.T.S.



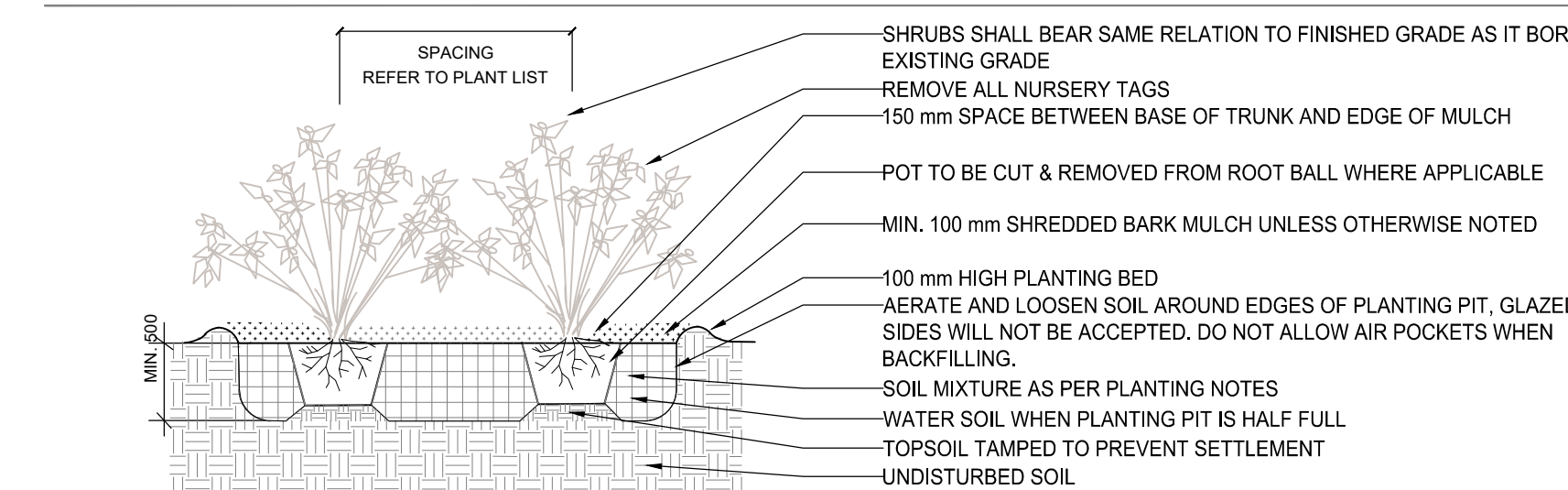
2 DECIDUOUS TREE PLANTING ON SLAB
SCALE N.T.S.



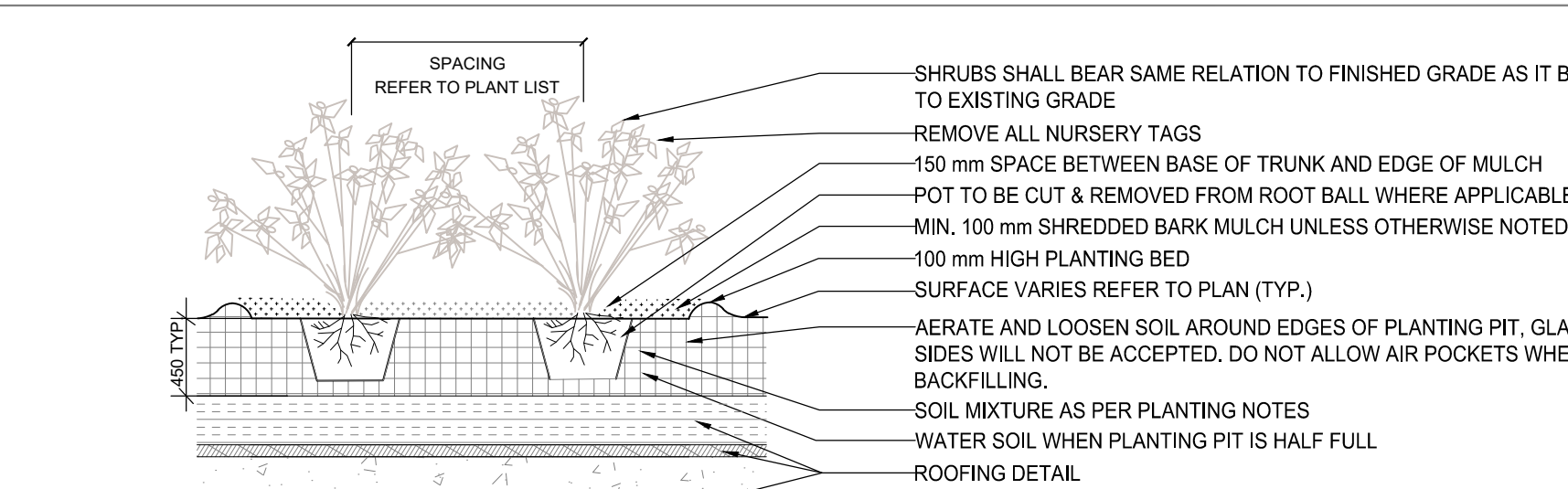
3 CONIFEROUS TREE PLANTING ON GRADE
SCALE N.T.S.



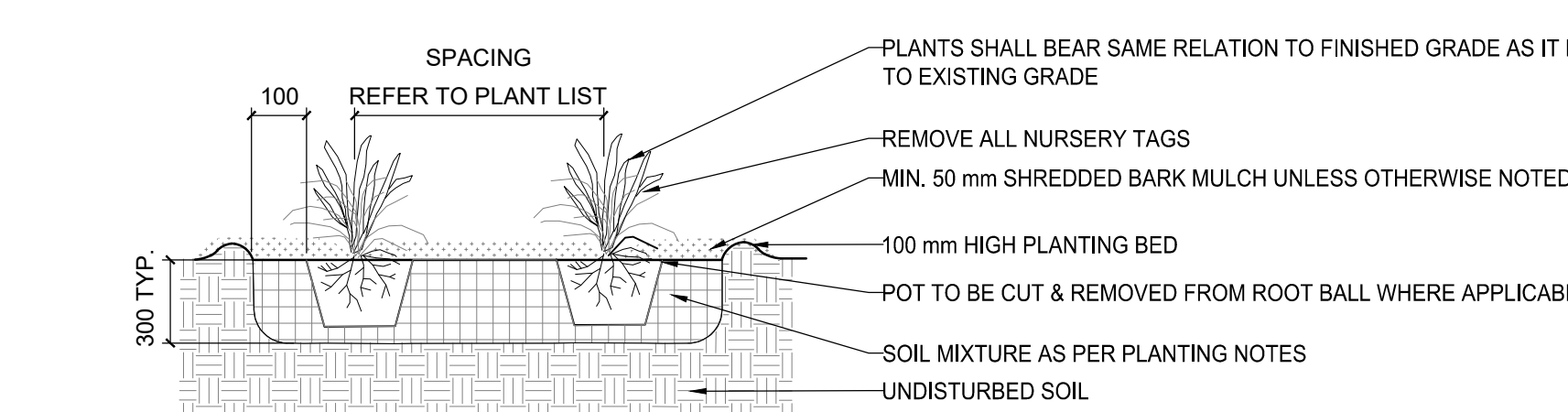
4 CONIFEROUS TREE PLANTING ON SLAB
SCALE N.T.S.



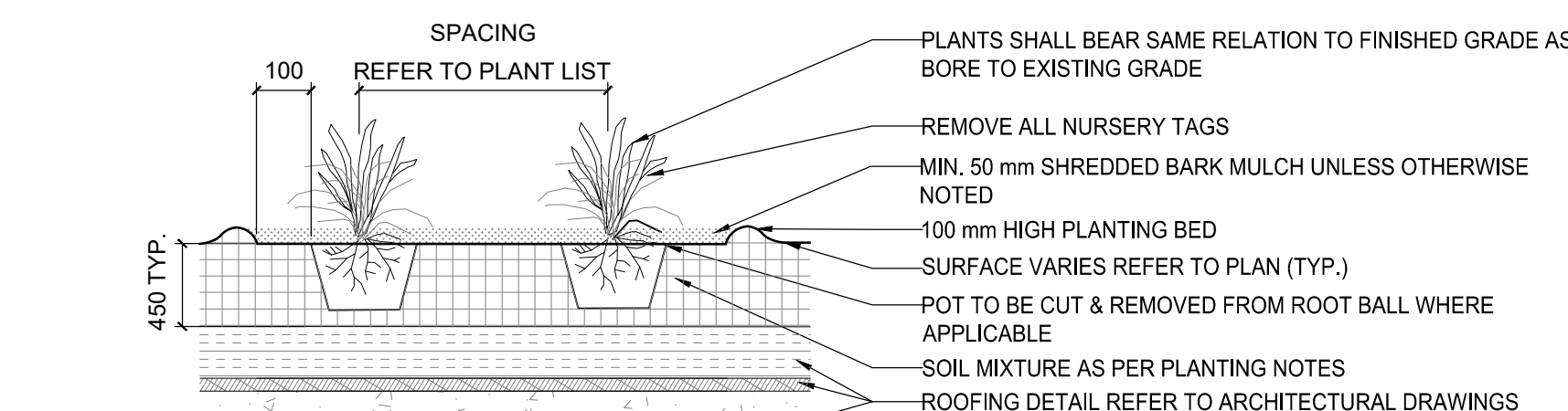
5 CONTINUOUS SHRUB BED ON GRADE
SCALE N.T.S.



6 CONTINUOUS SHRUB BED ON SLAB
SCALE N.T.S.



7 PERENNIAL, GRASSES AND HERBACEOUS PLANTS ON GRADE
SCALE N.T.S.



8 PERENNIAL, GRASSES AND HERBACEOUS PLANT ON SLAB
SCALE N.T.S.

PLANTING NOTES

- THE DETAILS ON THIS SHEET DO NOT REPRESENT ANY PARTICULAR SPECIES.
- TREES AND SHRUBS AS INDICATED IN THE DETAILS REPRESENT BOTH CONIFEROUS AND DECIDUOUS SPECIES.
- MATERIAL PLANTED IN GROUP SHALL BE SET IN CONTINUOUS PLANTING BEDS.
- CENTRE LINE OF SHRUBS SHALL NOT BE CLOSER THAN 2.4m FROM BUILDING FACE TO PROTECT BUILDING FOOTINGS AND INSULATION.
- PRUNING - TO SUIT SPECIES - PRUNE BRANCHES BY 1/3 TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICE. DO NOT PRUNE LEADERS.
- FIRMLY COMPACT BACKFILLED PLANTING MIXTURE TO ELIMINATE AIR POCKETS OR PREVENT SETTLEMENT.
- PLANTING MATERIAL QUALITY STANDARDS:
 - ALL PLANT MATERIALS TO CONFORM TO THE CANADIAN NURSERY LANDSCAPE ASSOCIATION FOR VARIETY, SIZE AND CONDITION.
 - PLANT MATERIAL COLLECTED FROM WILD SOURCES WILL NOT BE ACCEPTED.
 - THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ACCEPTANCE OF ANY PLANT DISPLAYING POOR GROWTH HABITS APPROPRIATE TO SPECIES, DISEASE OR DAMAGE FROM POOR HANDLING DURING TRANSPORT, ON SITE STORAGE, INSTALLATION OR MAINTENANCE.
 - ANY PLANTS THAT DO NOT CONFORM TO THE ABOVE STANDARDS WILL BE PROMPTLY REMOVED FROM THE SITE BY THE CONTRACTOR AND REPLACED WITH MATERIAL OF ACCEPTABLE QUALITY AT NO ADDITIONAL COST TO THE PROJECT.

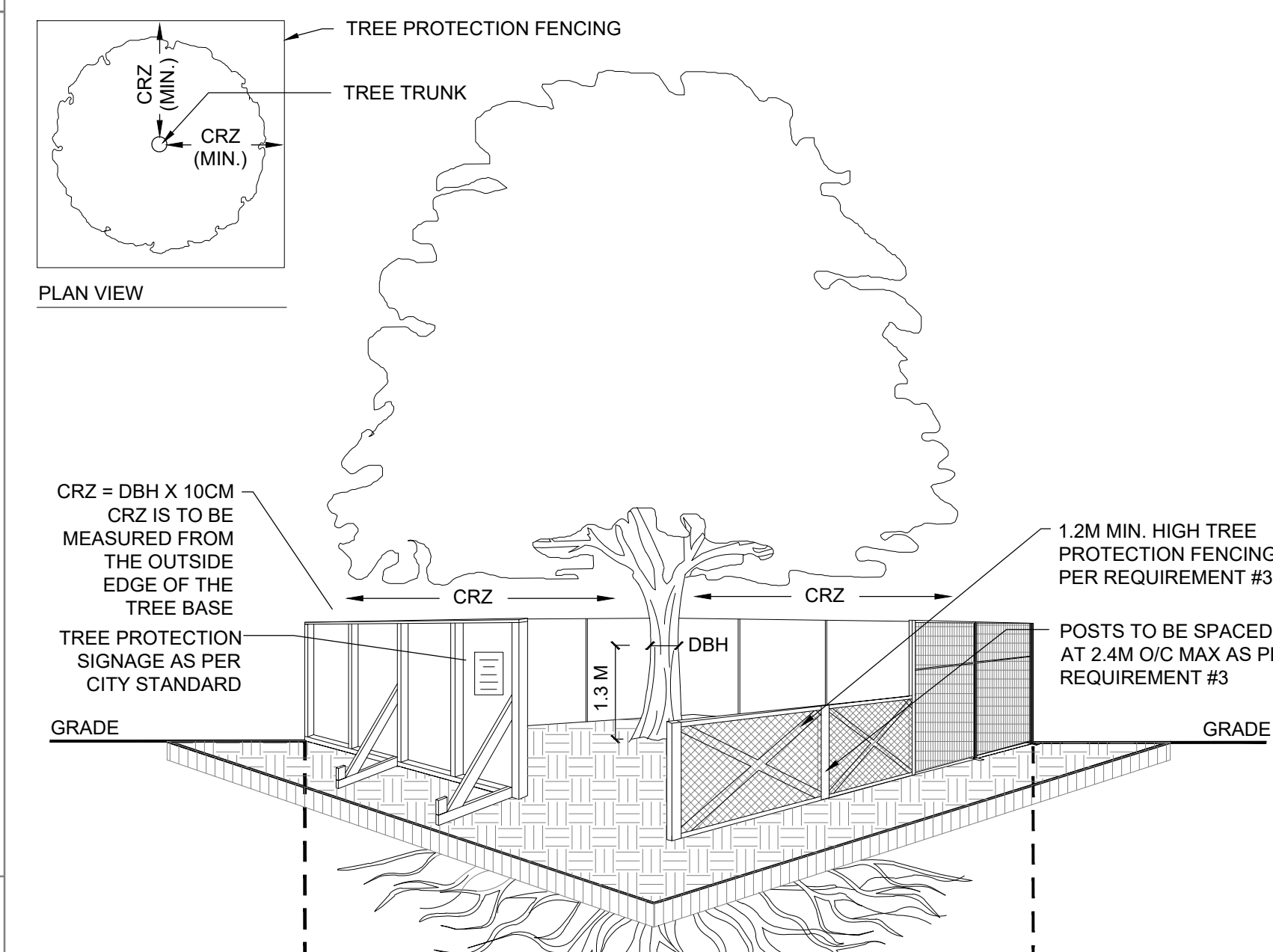
- TOPSOIL / SOIL MIXTURE:
 - SOIL TEXTURE BASED ON THE CANADIAN SYSTEM OF SOIL CLASSIFICATION TO CONSIST OF:
 - CLAY: 14-20%
 - SILT: 0-35%
 - SAND: 45-70%
 - ORGANIC MATERIAL: 4-10%
 - pH: 6-8
 - SPREAD TOPSOIL TO FOLLOWING MINIMUM DEPTHS AFTER SETTLEMENTS UNLESS OTHERWISE NOTED ON DETAILS:
 - 300mm FOR PERENNIALS
 - 500mm FOR SHRUB BEDS
 - 1000mm FOR TREE PLANTING
- MULCH SHALL BE SHREDDED WOOD VARYING IN SIZE FROM 25-125mm IN LENGTH FROM CONIFEROUS TREES.
- TREE GUARDS TO PROTECT DECIDUOUS TREES 2.5m HEIGHT AND GREATER FROM RODENT DAMAGE. THEY SHALL BE ONE OF THE FOLLOWING:
 - 13mm WIRE MESH (HARDWARE CLOTH) GUARD OF 0.5mm GALVANIZED STEEL SUPPLIED IN 600mm WIDE ROLLS.
 - AN EXPANDED DIAMOND MESH OF 0.4mm GALVANIZED STEEL SUPPLIED IN 600mm WIDTH.
 - 150mm PLASTIC DRAINAGE PIPE, ULTRA-VIOLET PROTECTED SUPPLIED IN MINIMUM 600mm LENGTHS.

NOTES:

TREE PROTECTION REQUIREMENTS:

- PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
- UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
 - DO NOT PLACE ANY MATERIAL OR EQUIPMENT - INCLUDING OUTHOUSES;
 - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
 - DO NOT RAISE OR LOWER THE EXISTING GRADE;
 - TUNNEL OR BORE WHEN DIGGING;
 - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OF ANY TREE;
 - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
 - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING.
- TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC - STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"x4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL)
- THE LOCATION OF THE TREE PROTECTION FENCING MUST BE AS INDICATED ON THE TREE PRESERVATION PLAN WITHIN THIS SET OF DRAWINGS. THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO COMMENCEMENT OF WORK.
- IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.

THE CITY'S TREE PROTECTION BY-LAW, 2020-340 PROTECTS BOTH CITY-OWNED TREES, CITY-WIDE, AND PRIVATELY-OWNED TREES WITHIN THE URBAN AREA. PLEASE REFER TO WWW.OTTAWA.CA/TREEBYLAW FOR MORE INFORMATION ON HOW THE TREE BY-LAW APPLIES.



9 TEMPORARY TREE PROTECTION FENCE DETAIL
SCALE N.T.S.

GENERAL LANDSCAPE NOTES

- REFER TO ENGINEERING DRAWINGS FOR PROPOSED GRADING, SITE SERVICING, AND FENCING LOCATION.
- EXISTING VEGETATED AREAS ON ADJACENT PROPERTIES SHALL REMAIN AND BE PROTECTED BEFORE, DURING, AND AFTER CONSTRUCTION.
- SOD SHALL BE INSTALLED THROUGHOUT WITHIN LIMIT OF WORK AND IN ALL DISTURBED AREAS OUTSIDE THE LIMIT OF WORK EXCEPT WHERE INDICATED. SOD SHALL BE INSTALLED AS PER OPSS 803. SOD SHALL BE KENTUCKY BLUEGRASS SOD INSTALLED OVER 135mm OF TOPSOIL.
- CONTRACTOR TO LOCATE AND STAKE ALL UTILITIES PRIOR TO ANY WORK ON THE SITE AND TO OBTAIN CLEARANCE FROM ALL APPLICABLE UTILITIES. DO NOT PLANT DIRECTLY ABOVE UNDERGROUND UTILITIES. REPORT CONFLICTS AND ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION.
- NO TREES SHALL BE PLANTED ON PROPERTY LOT LINES OR WITHIN DRAINAGE EASEMENTS.
- NO TREES SHALL BE PLANTED UNDER OVERHEAD WIRES.
- MAINTAIN A MINIMUM DISTANCE OF 1500mm BETWEEN TREE AND ALL UNDERGROUND UTILITIES OR USE ROOT BARRIERS WHERE ROOT BALL OF TREE IS WITHIN 1000mm OF UNDERGROUND UTILITIES.
- MAINTAIN A MINIMUM DISTANCE OF 4500mm BETWEEN TREE AND ALL BUILDINGS.
- MAINTAIN A MINIMUM DISTANCE OF 4000mm BETWEEN TREE AND ALL HYDRO TRANSFORMERS.
- MAINTAIN A MINIMUM OF 2000mm FROM THE ROAD CURB FOR DECIDUOUS TREES AND 5000mm FOR CONIFEROUS TREES.
- MAINTAIN A MINIMUM OF 2000mm BETWEEN TREE AND FIRE HYDRANTS.
- MAINTAIN A MINIMUM OF 1000mm BETWEEN TREE AND SIDEWALKS, PATHWAYS, AND DRIVEWAYS.
- THE LANDSCAPE ARCHITECT MAY ADJUST THE LOCATION OF PLANTING PRIOR TO PLANTING TO MINIMIZE CONFLICTS WITH UTILITIES, DRIVEWAYS AND INTERSECTION VISIBILITY.
- CONTRACTOR SHALL SUPPLY ALL MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE WORK SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR DIRECTION.
- DO NOT MAKE SUBSTITUTIONS OF MATERIALS, PRODUCTS OR QUANTITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR TO MAKE GOOD TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT ANY AREAS DAMAGED BY THE WORK.
- UPON THE COMPLETION OF WORK EACH DAY, REMOVE ALL DEBRIS, GARBAGE AND SURPLUS MATERIALS FROM THE SITE. KEEP THE SITE CLEAN AND USEABLE AT ALL TIMES.
- ALL WORKMANSHIP AND MATERIALS (INCLUDING PLANTS) TO BE GUARANTEED FOR ONE FULL YEAR FOLLOWING FINAL ACCEPTANCE OF THE PROJECT BY THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL REMOVE ALL TREE STAKES AND TREE SUPPORTS PRIOR TO ASSUMPTION BY THE OWNER.
- AT THE TIME OF INSPECTION FOR ACCEPTANCE ALL TREE PITS SHALL BE CULTIVATED, FREE OR WEEDS, LEAVES, BROKEN BRANCHES AND DEBRIS.
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WORK WITHIN PROTECTED AREAS

- EXCAVATION WORK:
 - TO ENSURE THE ROOTS ARE NOT DISTURBED MORE THAN NECESSARY AND WHERE EXCAVATION WORKS ARE UNAVOIDABLE WITHIN THE CRZ OF TREES, THE FOLLOWING MITIGATION MEASURES SHALL BE USED:
 - ALL EXCAVATION WITHIN THE CRZ OF TREES SHALL BE BY HAND OR HYDRO EXCAVATION USING THE SMALLEST TOOLS. ROOT CUTTING SHALL BE MADE USING A SHARP SPADE OR KNIFE AT THE LIMIT OF DISTURBANCE PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - THE CONTRACTOR SHALL ONLY TUNNEL OR BORE WITHIN THE CRZ, INSTEAD OF CREATING A TRENCH.
 - ANY ROOTS THAT ARE EXPOSED BY CONSTRUCTION ACTIVITIES MUST BE COVERED WITH NATIVE TOPSOIL IMMEDIATELY, TO ENSURE THAT THE ROOTS DO NOT DRY OUT OR HAVE ANY FURTHER DAMAGE OCCUR TO THEM.
 - IN ALL THOSE INSTANCES WHERE ROOT PRUNING IS REQUIRED, THE SERVICE OF A CERTIFIED ARBORIST OR QUALIFIED TREE WORKER UNDER THE SUPERVISION OF A CERTIFIED ARBORIST SHALL BE RETAINED. IN ADDITION, ALL REMEDIAL WORKS MUST BE CONDUCTED BY A CERTIFIED CARE PROFESSIONAL TO ENSURE PROPER CARE IS ADMINISTERED IN ORDER TO ENABLE THE CONTINUED HEALTH OF THE TREES.
- GRADING WORK
 - WHERE RE-GRADING IS REQUIRED WITHIN THE CRZ, IT SHOULD BE PERFORMED BY HAND UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.

Revision	By	Appd.	YY.MM.DD	
4	ISSUED FOR CITY REVIEW	IA	KP	25.02.20
3	ISSUED FOR CITY REVIEW	IA	KP	24.11.28
2	ISSUED FOR COORDINATION	IA	KP	24.11.15
1	ISSUED FOR CITY REVIEW	BL	KP	24.03.15

File Name:	CA	KP / L	KP / BL	23.11.22
160410375-L200	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



Client/Project
WINDMILL DEVELOPMENT GROUP LTD.

2475 REGINA STREET

Ottawa, ON

Title
LANDSCAPE DETAILS - II
& GENERAL NOTES

Project No.	Scale	
160410375	AS NOTED	
Drawing No.	Sheet	Revision