

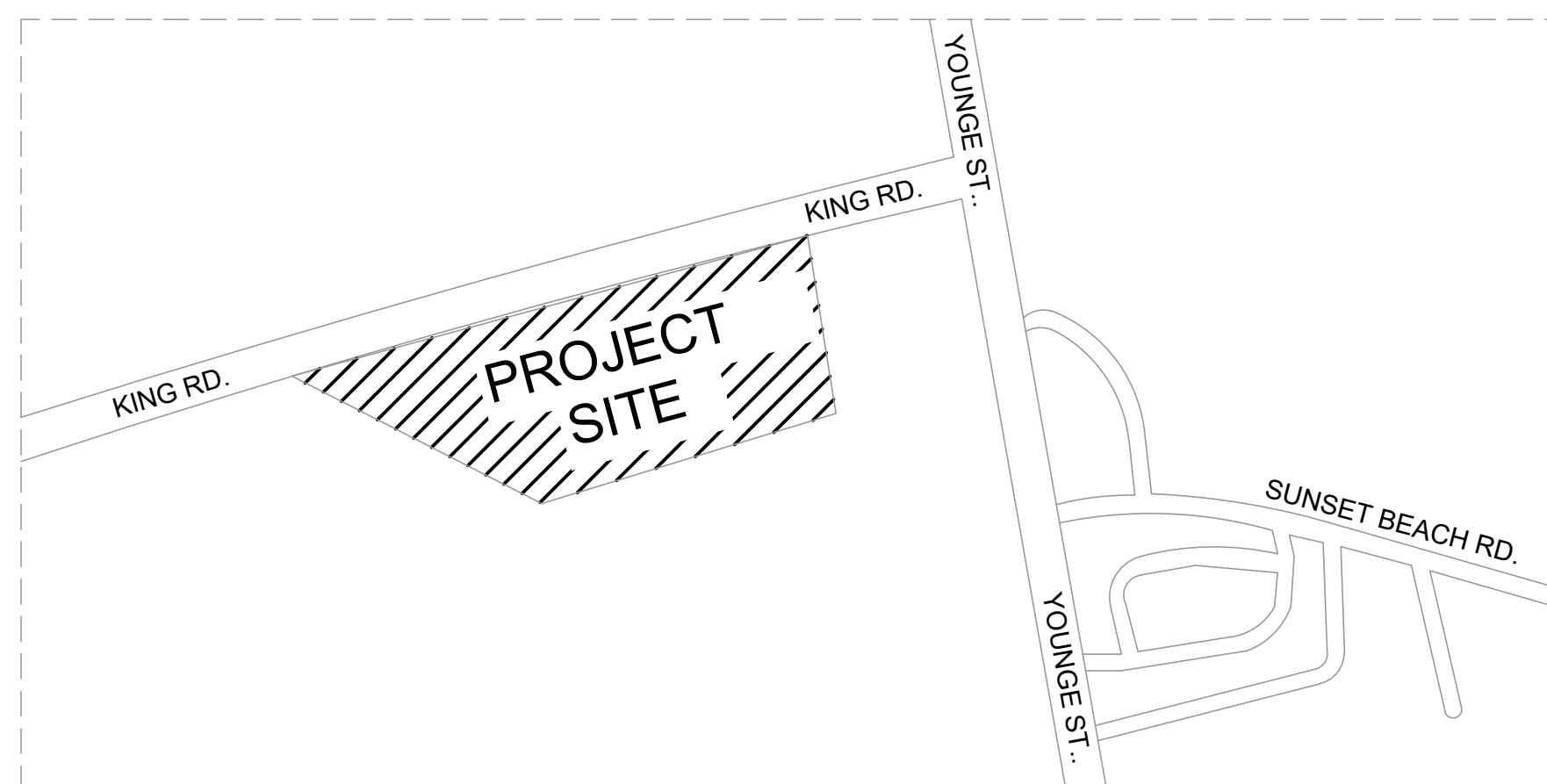


CITY OF RICHMOND HILL

CONNOR BUILDING RENOVATIONS

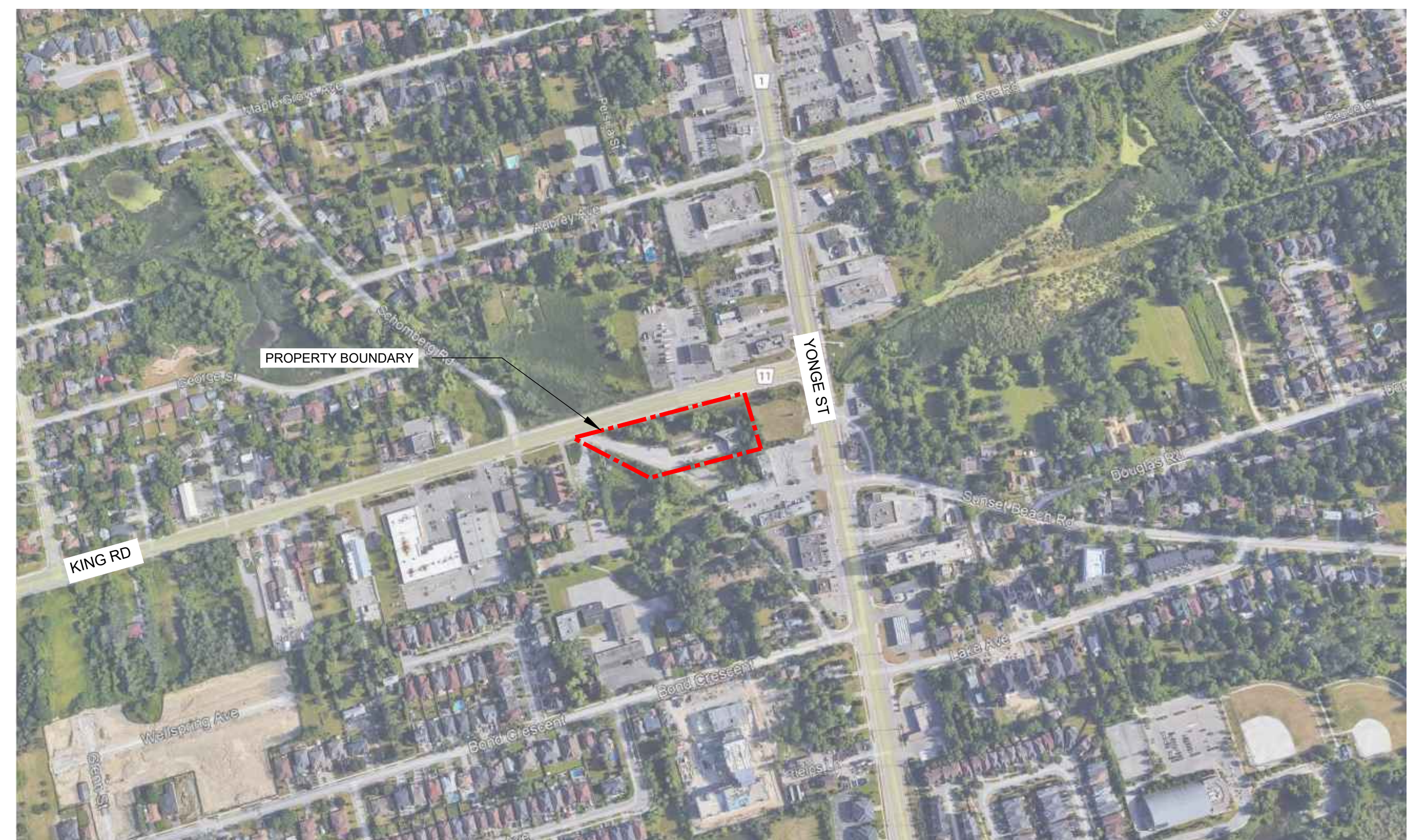
Project No. CA0010351.5022
SPRING 2025 | ISSUED FOR TENDER

LOCATION KEY MAP:



SITE AND ADJACENT PROPERTY CONTEXT:

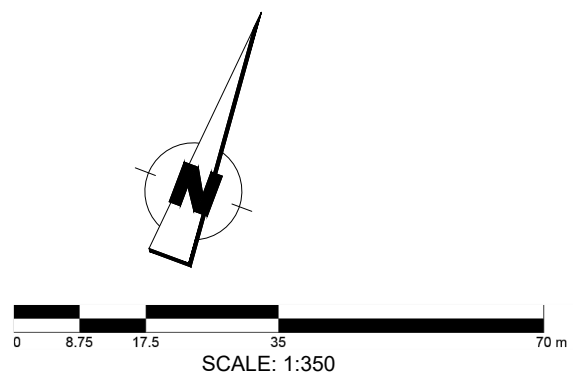
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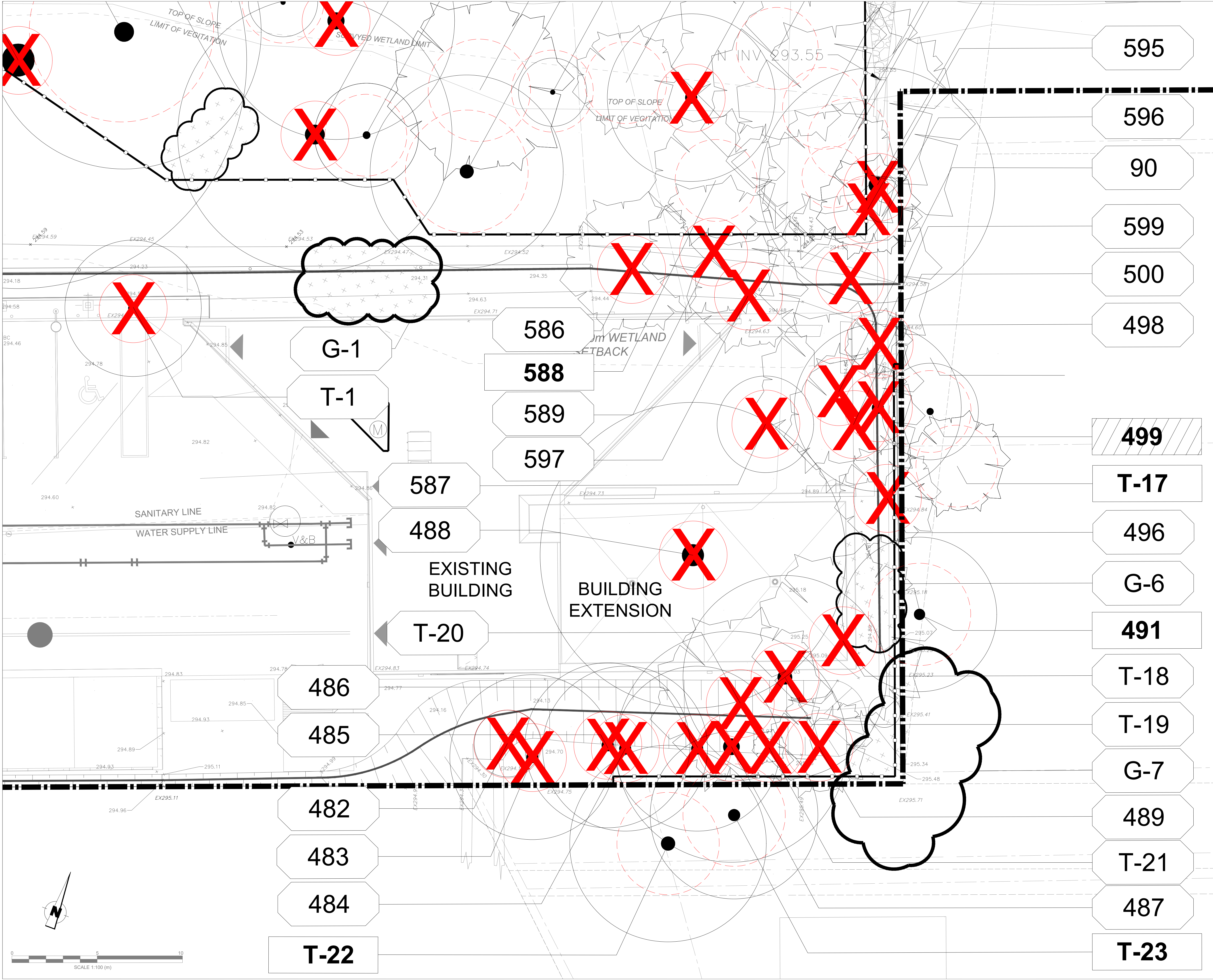


DRAWING INDEX

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PREPARED BY: ER





KEY MAP

LEGEND

- EXISTING SURVEYED CONIFEROUS TREES
- EXISTING SURVEYED DECIDUOUS TREES
- TREE PROTECTION ZONE PER RICHMOND HILL BY-LAWS
- EXISTING TREE GROUPING
- EXISTING TREE GROUP/ WOODLOT TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- LIMIT OF WORK
- LIMIT OF GRADING
- IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUP TO BE REMOVED
- IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUPING TO REMAIN (REFER TO TABLE 1 (L1 TO L11) FOR TREE INVENTORY CHART)
- IDENTIFICATION NUMBER FOR EXISTING INDIVIDUAL TREE OR GROUPING TO BE INJURED. REFER TO TABLE 1 (L1 TO L11) FOR TREE INVENTORY CHART
- TREE PROTECTION FENCING REFER TO DETAIL 1/L500

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ARCHITECTURE 49
YEAR: 2024
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225 E BEAVER CREEK RD

PROJECT TITLE:
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SITE ADDRESS:
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RICHMOND HILL, ON L4E 2W1

DRAWING TITLE:
TREE MANAGEMENT PLAN

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STAMP

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SCALE	1:100	DATE	MARCH 2025	DWG. NUMBER	
PROJECT NUMBER	CA0010351.5022			DWG. NUMBER	TP-2

TREE PRESERVATION NOTES AND GUIDELINES

ESTABLISHMENT OF TREE PROTECTION ZONE (TPZ):

- TREE PRESERVATION MEASURES, INCLUDING THE ESTABLISHMENT OF TREE PROTECTION ZONE (TPZ) SHALL APPLY TO THE VEGETATION IDENTIFIED TO BE RETAINED AND PROTECTED. THE TREE PROTECTION ZONE SHALL CONSIST OF TREE PROTECTION FENCING AS PER CITY OF RICHMOND HILL STANDARD, PLACED AT THE DRIPLINE OF VEGETATION TO BE PRESERVED. REFER TO DETAILS ON THIS SHEET.
- NO GRADE CHANGES SHALL OCCUR WITHIN TREE PROTECTION ZONE. IN THE EVENT THAT GRADE CHANGES OCCUR EITHER AS A CUT OR FILL SITUATION, THE CONSULTING ARBORIST MUST BE NOTIFIED SO THAT PRECAUTIONS TO PRESERVE THE TREE CAN BE DETERMINED PRIOR TO THE PLACEMENT OF FILL OR EXCAVATION ACTIVITIES.
- EVERY PRECAUTION MUST BE TAKEN TO PREVENT DAMAGE TO TREES AND ROOT SYSTEMS FROM DAMAGE, COMPACTION AND CONTAMINATION RESULTING FROM THE CONSTRUCTION TO THE SATISFACTION OF THE CONSULTING ARBORIST.
- TREES THAT REQUIRE PRUNING TO PERMIT CONSTRUCTION ACTIVITIES WILL BE DONE SO IN ACCORDANCE WITH GOOD ARBORICULTURAL PRACTICES. IN THE EVENT THAT IT IS NECESSARY TO REMOVE ADDITIONAL LIMBS OR PORTIONS OF TREES, AFTER CONSTRUCTION HAS COMMENCED, TO ACCOMMODATE CONSTRUCTION, THE CONSULTING ARBORIST IS TO BE INFORMED AND UNDER THEIR DIRECTION THE REMOVAL IS TO BE EXECUTED CAREFULLY AND IN FULL ACCORDANCE WITH ARBORICULTURAL TECHNIQUES, BY A CERTIFIED ARBORIST.
- ANY DAMAGE TO TREES SUCH AS BROKEN LIMBS, DAMAGE TO ROOTS, OR WOUNDS TO THE MAIN TRUNK OR STEM SYSTEMS ARE TO BE REPORTED TO THE CONSULTING ARBORIST SO THAT THE DAMAGE CAN BE ASSESSED IMMEDIATELY AND MITIGATION CAN BE PROMPTLY IMPLEMENTED.

TREE PROTECTION ZONE:

APPLIES TO TREES LOCATED THE LIMIT OF GRADING OR NOTED OTHERWISE. THESE TREES ARE TO BE PRESERVED AND WILL HAVE SILT / TREE PROTECTION FENCING INSTALLED AT ALONG THE LIMIT OF GRADING / LIMIT OF WORK TO ESTABLISH THE TREE PROTECTION ZONE. ANY DAMAGE TO TREES SUCH AS BROKEN LIMBS, DAMAGE TO ROOTS, OR WOUNDS TO THE MAIN TRUNK OR STEM SYSTEMS ARE TO BE REPORTED TO THE CONSULTING ARBORIST SO THAT THE DAMAGE CAN BE ASSESSED IMMEDIATELY AND MITIGATION CAN BE PROMPTLY IMPLEMENTED. WITHIN A TREE PROTECTION ZONE THERE IS TO BE:

- NO CONSTRUCTION
- NO ALTERING OF GRADE BY ADDING FILL, EXCAVATING, TRENCHING, SCRAPING, DUMPING OR DISTURBANCE OF ANY KIND.
- NO STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, SOIL, CONSTRUCTION WASTE OR DEBRIS WITHIN THE DRIP LINE.
- NO MOVEMENT OF VEHICLES, EQUIPMENT
- NO PARKING OF VEHICLES OR MACHINERY
- NO DIGGING, BORING
- NO RIGGING CABLES SHALL BE WRAPPED AROUND OR INSTALLED IN TREES
- NO CONTAMINANTS WILL BE PLACED OVER ROOT SYSTEM
- NO CONTAMINANTS WILL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST

WORK WITHIN A TREE PROTECTION ZONE:

IF WORK MUST BE CONDUCTED WITHIN A TREE PROTECTION ZONE THE CONTRACTOR SHOULD MINIMIZE SOIL COMPACTION AND MECHANICAL ROOT DAMAGE BY UTILIZING ONE OF THE FOLLOWING FOUR METHODS:

1. APPLYING 150-300mm OF MULCH TO AREA. UPON COMPLETION REMOVE EXCESS MULCH LEAVING A 100mm DEPTH LAYER OF MULCH.
2. LAYING 20mm THICK PLYWOOD OR 100x100mm WOOD BEAMS OVER A 100+MM THICK LAYER OF WOOD CHIP MULCH. UPON COMPLETION REMOVE PLYWOOD AND LEAVE MULCH LAYER IN PLACE.
3. APPLYING 100-150mm DEPTH OF GRAVEL OVER A TAUT, STAKED GEOTEXTILE FABRIC. UPON COMPLETION REMOVE GRAVEL AND GEOTEXTILE.
4. PLACING COMMERCIAL LOGGING OR ROAD MATS ON TOP OF A MULCH LAYER. UPON COMPLETION REMOVE MATS, STONE, GEOTEXTILE, AND MULCH EXCEEDING 100mm THICK WILL BE REMOVED FROM THE TREE PRESERVATION AREA ONCE THE THREAT OF SOIL OR ROOT DAMAGE HAS PASSED.

TREE PRESERVATION AND PROTECTION RECOMMENDATIONS:

THE SURVIVAL RATES FOR TREES, WHICH ARE IN PROXIMITY TO CONSTRUCTION SITES ARE DEPENDENT ON THE RESULTANT CHANGES TO A VARIETY OF ENVIRONMENTAL AND ANTHROPOGENIC FACTORS. THESE CONSTRUCTION ACTIVITIES BRING ABOUT CHANGES TO A VARIETY OF ENVIRONMENTAL FEATURES INCLUDING THE EXISTING MICROCLIMATE INCLUDING WINDS, TEMPERATURE, SOIL MOISTURE, AMOUNT OF AVAILABLE SUNLIGHT, SOIL QUALITY, AND THE LEVEL OF THE WATER TABLE. INCREASED HUMAN ACTIVITIES MAY ALSO DAMAGE THE STRUCTURE AND / OR PHYSIOLOGICAL ACTIVITIES OF THE TREES. THE FULL EFFECTS OF THE DAMAGE MAY NOT APPEAR UNTIL SEVERAL YEARS AFTER ITS OCCURRENCE. THUS, IT IS ESSENTIAL THAT BOTH VEGETATIVE CLEARING AND PRESERVATION METHODS FOLLOW THE GUIDELINES BELOW AND THOSE GENERALLY ACCEPTED AS KEEPING WITH GOOD HORTICULTURAL AND CONSTRUCTION PRACTICES. THE GUIDELINES ARE SUBJECT TO ADJUSTMENTS DEEMED REASONABLE AND APPROPRIATE CONSIDERING THE PROXIMITY AND NUMBER OF TREES INVOLVED AND THE SITE-SPECIFIC SERVICING REQUIREMENT.

GENERAL RECOMMENDATIONS:

- ALL TREES WITHIN THE TREE PRESERVATION ZONE MUST BE LEFT STANDING. THE TREE REMOVALS MUST BE COORDINATED TO BE COMPLETED OUTSIDE OF THE BIRD NESTING SEASON, **APRIL 1 TO AUGUST 31**.
- ALL REMOVALS MUST BE FELLED INTO THE WORK AREA TO ENSURE THAT DAMAGE DOES NOT OCCUR TO THE TREES WITHIN THE TREE PRESERVATION ZONE.
- UPON COMPLETING OF THE TREE REMOVALS, ALL FELLED TREES ARE TO BE CHIPPED. THIS WORK MUST BE COMPLETED OUTSIDE OF THE BIRD NESTING SEASON, **APRIL 1 TO AUGUST 31**.
- TREE PROTECTION FENCING / SILT FENCE MUST BE INSTALLED AS PER THE CITY OF GUELPH STANDARD SILT FENCE DETAIL AND AS SHOWN ON THE APPROVED MUNICIPAL ENGINEERING PLAN. UPON INSTALLATION OF THE FENCING, THE CONTRACTOR WILL CONTACT THE CONSULTING ARBORIST TO REVIEW AN APPROVE THE FENCING AND ITS LOCATION PRIOR TO COMMENCEMENT OF ANY GRADING WORK.
- AREAS WITHIN THE TREE PRESERVATION ZONE ARE NOT TO BE USED FOR ANY TYPE OF STORAGE (E.G. STORAGE OF DEBRIS, CONSTRUCTION MATERIAL, SURPLUS SOILS, AND CONSTRUCTION EQUIPMENT). NO TRENCHING OR TUNNELLING FOR UNDERGROUND SERVICES SHALL BE LOCATED WITHIN THE TREE PROTECTION ZONE OR DRIPLINE OF TREES DESIGNATED FOR PRESERVATION WITHIN OR ADJACENT TO THE CONSTRUCTION ZONE.

ROOT PRUNING:

- AT THE COMMENCEMENT OF CONSTRUCTION PRUNE ROOTS CLEANLY USING ACCEPTABLE ARBORICULTURAL PRACTICES AND IMMEDIATELY BACKFILL WITH APPROPRIATE MATERIAL. ROOTS OVER 2.5cm DIAMETER THAT ARE TO BE CUT SHOULD BE PRUNED RATHER THAN LEFT TORN OR CRUSHED. THE FOLLOWING ARE GENERAL METHODS OF ROOT PRUNING:
 1. SOIL EXCAVATION USING SUPERSONIC AIR TOOLS, PRESSURIZED WATER OR HAND TOOLS, FOLLOWED BY SELECTIVE ROOT CUTTING.
 2. CUTTING THROUGH THE SOIL ALONG A PREDETERMINED LINE ON THE SURFACE USING TOOL SPECIFICALLY DESIGNED TO CUT ROOTS
 3. MECHANICALLY EXCAVATING (e.g. BACKHOE) THE SOIL AND PRUNING WHAT IS LEFT OF THE EXPOSED ROOTS.
 4. CUTS TO BE MADE WITH HAND PRUNING SHEARS, BY-PASS BLADE, PRUNING SAW. DO NOT USE ANVIL TYPE PRUNERS.
- NO TREE ROOTS SHALL BE PRUNED WITHOUT WRITTEN APPROVAL BY THE CITY OF RICHMOND HILL. PRUNING MUST BE IDENTIFIED ON THE CITY APPROVED TREE PRESERVATION PLAN.
- APPROVED PRUNING MST BE UNDERTAKEN BY AN ISA CERTIFIED ARBORIST. NO TRADES PERSONNEL ARE PERMITTED TO PRUNE TREE ROOTS.

PRUNING PRACTICES:

- ALL LIMBS DAMAGED OR BROKEN DURING THE COURSE OF CONSTRUCTION SHOULD BE PRUNED CLEANLY, UTILIZING BY-PASS SECATEURS IN ACCORDANCE WITH APPROVED HORTICULTURAL PRACTICES UNDERTAKEN BY AN ISA CERTIFIED ARBORIST. NO TREE BRANCHES SHALL BE PRUNED WITHOUT WRITTEN APPROVAL BY THE CITY OF RICHMOND HILL. PRUNING MUST BE IDENTIFIED ON THE CITY APPROVED TREE PRESERVATION PLAN.
- SHOULD THERE BE A POTENTIAL RISK OF TRANSFER OF DISEASE FROM INFECTED TO NON-INFECTED TREES, TOOLS MUST BE DISINFECTED AFTER PRUNING EACH TREE BY DIPPING IN METHYL HYDRATE. THIS PRACTICE IS PARTICULARLY IMPORTANT DURING PERIODS OF TREE STRESS AND WHEN PRUNING MANY MEMBERS OF THE SAME GENERA, WITHIN WHICH A DISEASE COULD BE SPREAD QUICKLY (I.E., VERTICILLIUM WILT ON MAPLES OR FIRE BLIGHT ON GENERA OF THE ROSACEA FAMILY).
- DURING EXCAVATION OPERATIONS IN WHICH THE ROOT AREA IS AFFECTED, THE CONTRACTOR IS TO PRUNE ALL EXPOSED ROOTS CLEANLY. PRUNED ROOT ENDS ARE TO BE NEATLY AND SQUARELY TRIMMED AND THE AREA IS TO BE BACKFILLED WITH CLEAN NATIVE FILL AS SOON AS POSSIBLE TO PREVENT DESICCATION AND PROMOTE ROOT GROWTH. THE EXPOSED ROOTS SHOULD NOT BE ALLOWED TO DRY OUT, AND THE CONTRACTOR SHALL DISCUSS WATERING OF THE ROOTS WITH THE CONSULTING ARBORIST SO THAT THE ROOTS SHALL MAINTAIN OPTIMUM SOIL MOISTURE DURING CONSTRUCTION AND BACKFILLING OPERATIONS, YET SO NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS. BACKFILLING MUST BE WITH CLEAN UNCONTAMINATED TOPSOIL FROM AN APPROVED SOURCE. TEXTURE MUST BE COARSER THAN EXISTING SOILS, AND TO COME INTO CLEAN CONTACT WITH EXISTING SOILS (REMOVE AIR POCKETS, SOD, ETC.)
- ALL PRUNING CUTS SHOULD BE MADE TO A GROWING POINT SUCH AS A BUD, TWIG OR BRANCH, CUT JUST OUTSIDE THE BRANCH COLLAR (THE SWOLLEN AREA AT THE BASE OF THE BRANCH THAT SOMETIMES HAS A BARK RIDGE), AND PERPENDICULAR TO THE BRANCH BEING PRUNED RATHER THAN AS CLOSE TO THE TRUNK AS POSSIBLE. THIS MINIMIZES THE SITE OF THE WOUND. NO STUBS SHOULD BE LEFT. POOR CUT LOCATION, POOR CUT ANGLE AND TORN CUTS ARE NOT ACCEPTABLE.
- TREE ROOTS SHOULD NOT BE EXCAVATED WITHIN THE CRITICAL STRUCTURAL ROOTING AREA. THIS IS THE MINIMUM AREA OF THE ROOT SYSTEM NECESSARY TO MAINTAIN VITALITY OR STABILITY OF THE TREE. TYPICALLY THIS AREA EXTENDS TO THE DRIPLINE OF THE TREE. THE SEVERING OF ONE ROOT CAN CAUSE APPROXIMATELY 5-20% LOSS OF THE ROOT SYSTEM. A REDUCTION OF THIS AREA BY GREATER THAN 30% CAN POSE STABILITY CONCERNS FOR THE TREE.
- A SLOW RELEASE FERTILIZER EG: BONE MEAL OR APPROVED EQUAL TO BE APPLIED TO TREES WHERE ROOT PRUNING OR ROOT DAMAGE HAS OCCURRED. APPLY PER MANUFACTURER'S RECOMMENDATIONS

- EXTENSIVE PRUNING IS BEST COMPLETED BEFORE PLANTS BREAK DORMANCY. PRUNING SHOULD BE LIMITED TO THE REMOVAL OF NO MORE THAN ONE THIRD (1/3) OF THE TOTAL BUD AND LEAF BEARING BRANCHES. PRUNING SHOULD INCLUDE THE CAREFUL REMOVAL OF:
 - DEADWOOD,
 - BRANCHES THAT ARE WEAK, DAMAGED, DISEASED AND THOSE WHICH WILL INTERFERE WITH CONSTRUCTION ACTIVITY,
 - SECONDARY LEADERS OF CONIFERS,
 - TRUNK AND ROOT SUCKERS,
 - TRUNK WATERSPOUTS, AND
 - TIGHT V-SHAPED OR WEAK CROTCHES (INCLUDED UNIONS).

THE CONTRACTOR MUST IMMEDIATELY REPORT ANY DAMAGE TO TREES SUCH AS BROKEN LIMBS, DAMAGE TO ROOTS, OR WOUNDS TO THE MAIN TRUNK OR STEM SYSTEMS SO THAT THE DAMAGE CAN BE ASSESSED IMMEDIATELY.

THE TREE PROTECTION FENCING WILL BE MAINTAINED UNTIL ALL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND ALL OF THE EQUIPMENT HAS BEEN REMOVED FROM THE SITE.

TREE INJURY:

TYPICALLY TREE ROOTS EXTEND 1.5 TO 3 TIMES BEYOND THE DRIPLINE OF THE TREE AND ARE WITHIN THE TOP 150mm OF THE SOIL. TYPES OF DAMAGE FROM CONSTRUCTION INCLUDE:

- PHYSICAL INJURY
- SOIL COMPACTION
- SEVERING OF ROOTS
- SMOTHERING OF ROOTS
- SPLIT OR BROKEN BRANCHES
- EXCESSIVE PRUNING

SOIL COMPACTION REDUCES PORE SPACE, OXYGEN AVAILABLE TO ROOTS INCREASES CARBON DIOXIDE ACCUMULATION, RESTRICTS ROOT GROWTH AND THE ABILITY TO ABSORB WATER AND NUTRIENTS, AS WELL AS IMPAIRS DRAINAGE. SMOTHERING OF ROOTS: 90% OF FINE ABSORBING ROOTS ARE WITHIN THE UPPER 150-300mm OF THE SOIL. SMOTHERING WITH THE ADDITION OF SOIL CAN KILL THE ROOTS AND STRESS THE TREE. PHYSICAL INJURY, SPLIT OR BROKEN BRANCHES HINDER THE TREES ABILITY TO COMPARTMENTALIZE (CLOSE) WOUNDS PROPERLY.

KEY MAP

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225 E BEAVER CREEK RD

PROJECT TITLE:
CONNOR BUILDING
RENOVATIONS

SITE ADDRESS:
39 KING RD
RICHMOND HILL, ON L4E 2W1

DRAWING TITLE:
TREE PROTECTION
NOTES & DETAILS

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MARCH 2025


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DWG. NUMBER

CA0010351.5022

TP-3

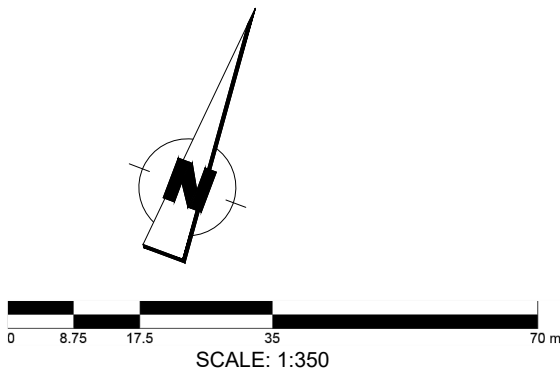
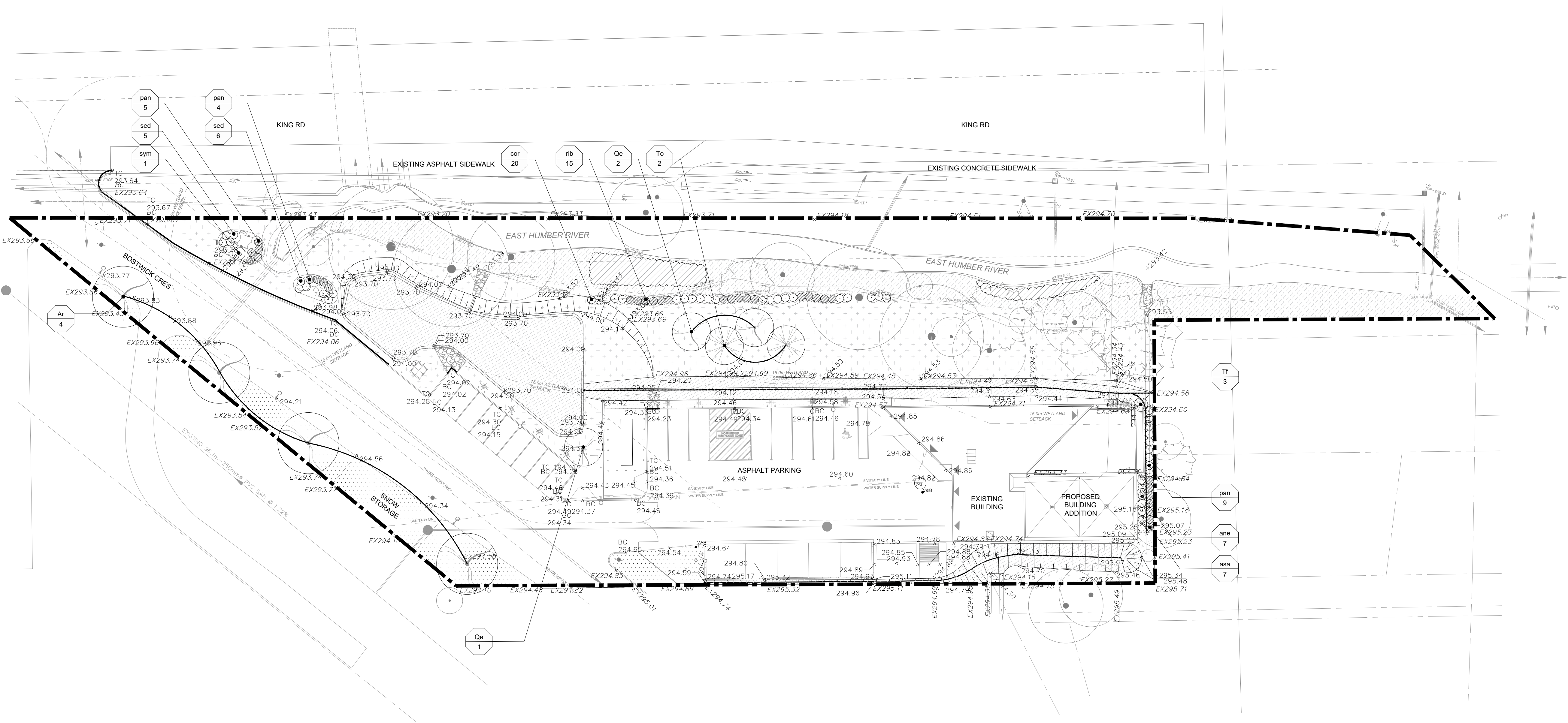
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TREE PROTECTION ZONE (TPZ) SIGN	JULY 2022
PROJECT NAME	SCALE
STANDARD CONSTRUCTION DETAILS	1:5
 PLANNING AND INFRASTRUCTURE DEPARTMENT	DETAIL No.
INFRASTRUCTURE DELIVERY DIVISION	TP-104

DRAWING TITLE	DATE
TREE PROTECTION FENCE - TREES (20+cm DBH)	JULY 2022
PROJECT NAME	SCALE
STANDARD CONSTRUCTION DETAILS	1:50
 PLANNING AND INFRASTRUCTURE DEPARTMENT	DETAIL No.
INFRASTRUCTURE DELIVERY DIVISION	TP-102

PLANT LIST - MASTER LIST

Key	Qty.	Botanical Name	Common Name	Condition	Spacing
Tree Deciduous					
Ar	4	Acer rubrum	Red Maple	50mm Cal, W.B.	As shown
Qe	3	Quercus ellipsoidalis	Northern Pin Oak	50mm Cal, W.B.	As shown
Tree Coniferous					
To	2	Thuja occidentalis	Eastern White Cedar	150mm Ht, W.B.	As shown
Tf	3	Thuja occidentalis 'Fastigiata'	Pyramid Cedar	150mm Ht, W.B.	As shown
Shrub Deciduous					
pan	18	Panicum virgatum	Switchgrass	2 Gal Pot	0.75-1.5m O.C
sed	11	Sedum 'Herbafrescude'	Sedum 'Autumn Joy'	2 Gal Pot	0.75-1.5m O.C
cor	20	Cornus sericea	Red Osier Dogwood	2 Gal Pot	0.75-1.5m O.C
rib	15	Ribes americanum	Wild Black Currant	2 Gal Pot	0.75-1.5m O.C
sym	1	Symphoricarpos albus	Common Snowberry	3 Gal Pot	0.75-1.5m O.C
Groundcover					
ane	7	Anemone canadensis	Canada Anemone	1 Gal Pot	0.75-1.5m O.C
asa	7	Asarum canadense	Wild Ginger	1 Gal Pot	0.75-1.5m O.C
Live Stakes					
	206	Cornus stolonifera	Red Osier Dogwood		0.5m spacing; 4-6 cuttings/sq.m
	206	Salix petiolaris	Slender Willow		0.5m spacing; 4-6 cuttings/sq.m

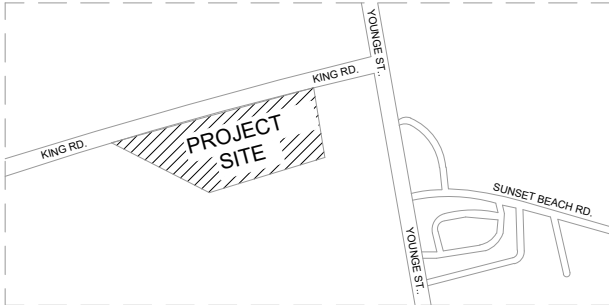
Note: Plant Quantities Indicated on the Planting Plan will Supersede the Quantities Listed Above.



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KEY MAP



LEGEND

- EXISTING SURVEYED TREES TO REMAIN
- PROPOSED TREES
- PROPOSED SHRUB PLANTING
- NATIVE LIVE STAKES PLANTING
- PROPOSED SOD
- OVERSEEDING WITH TRCA FRUGAL DRY MIX
- OVERSEEDING WITH TRCA SHORT WET MEADOW MIX
- LIMIT OF WORK
- GRADING INFORMATION - REFER TO CIVIL FOR GRADING DETAILS

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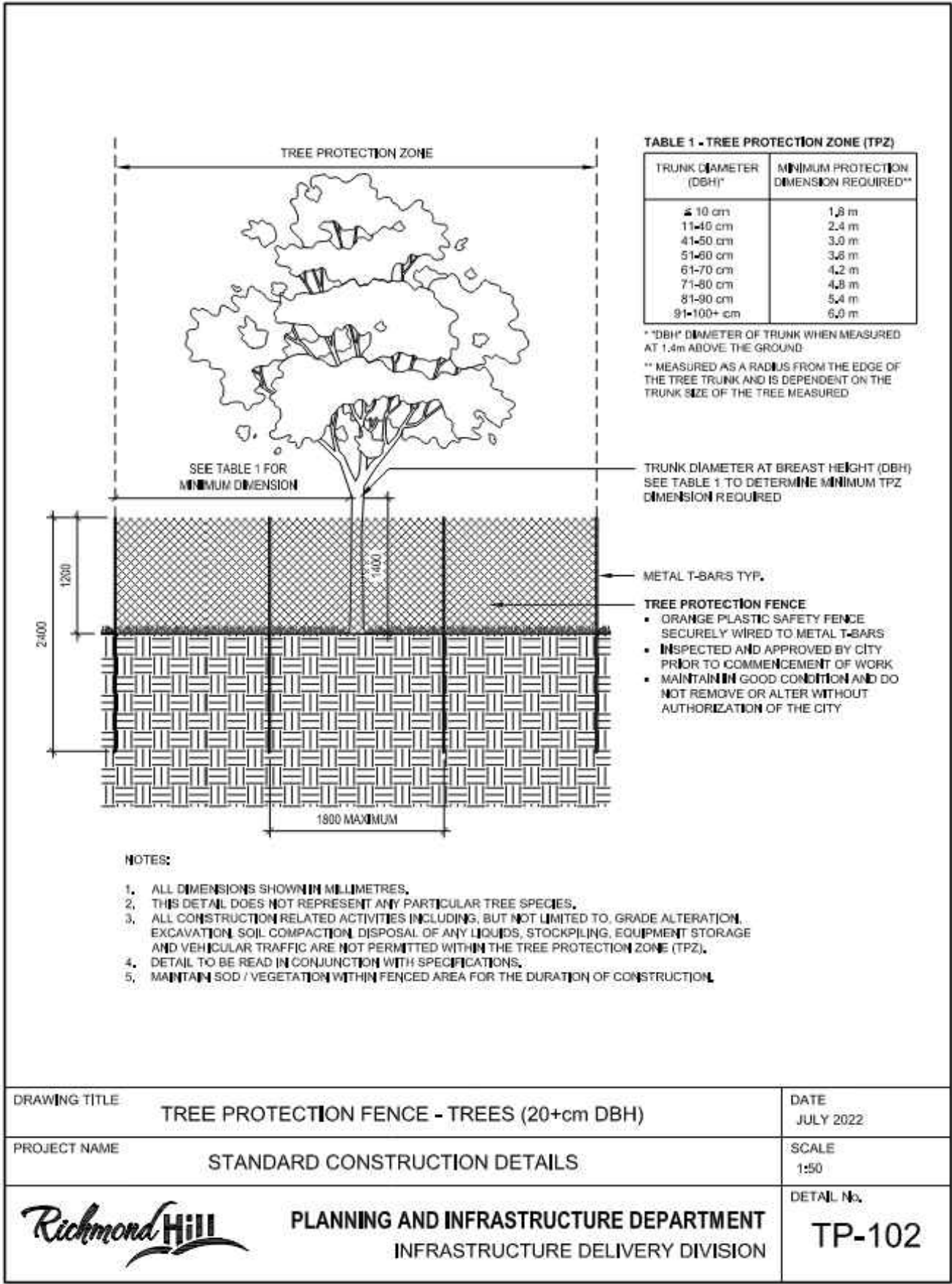
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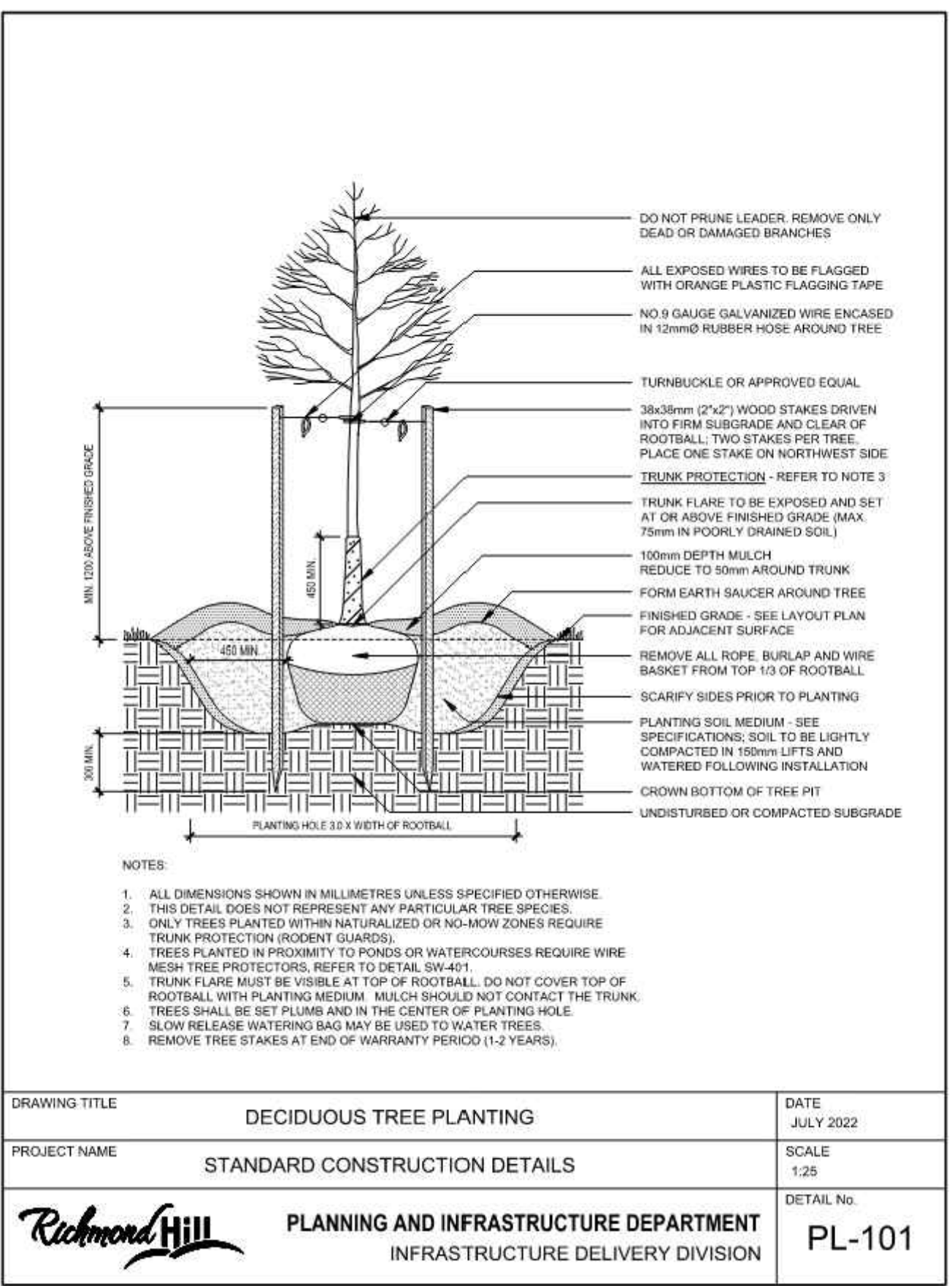
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PLANTING PLAN

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DESIGNED ER	DRAWN ER
SCALE 1:350	DATE MARCH 2025
PROJECT NUMBER CA0010351.5022	DWG. NUMBER L-301



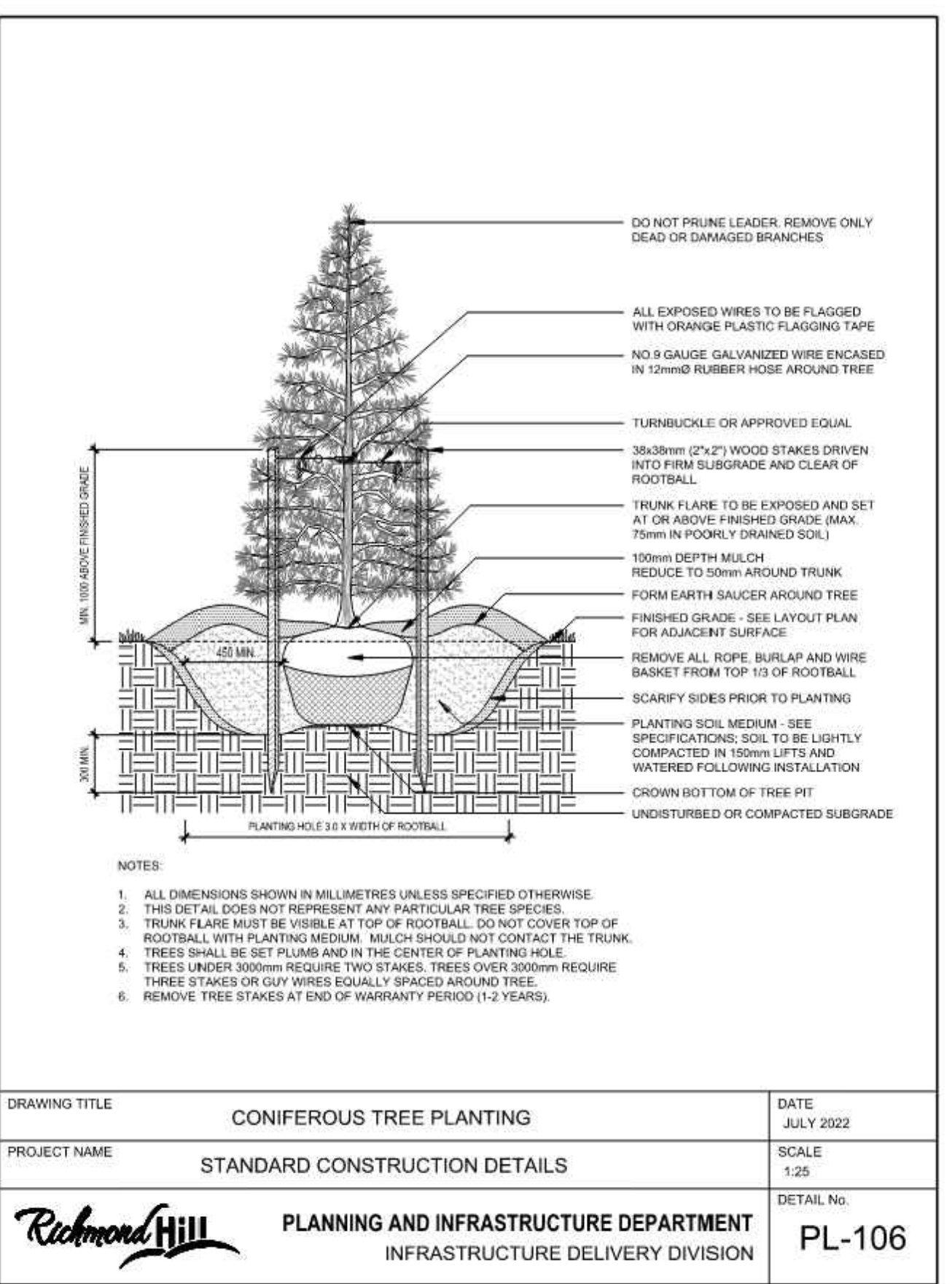
1 TREE PROTECTION FENCING- CITY OF RICHMOND HILL

NTS



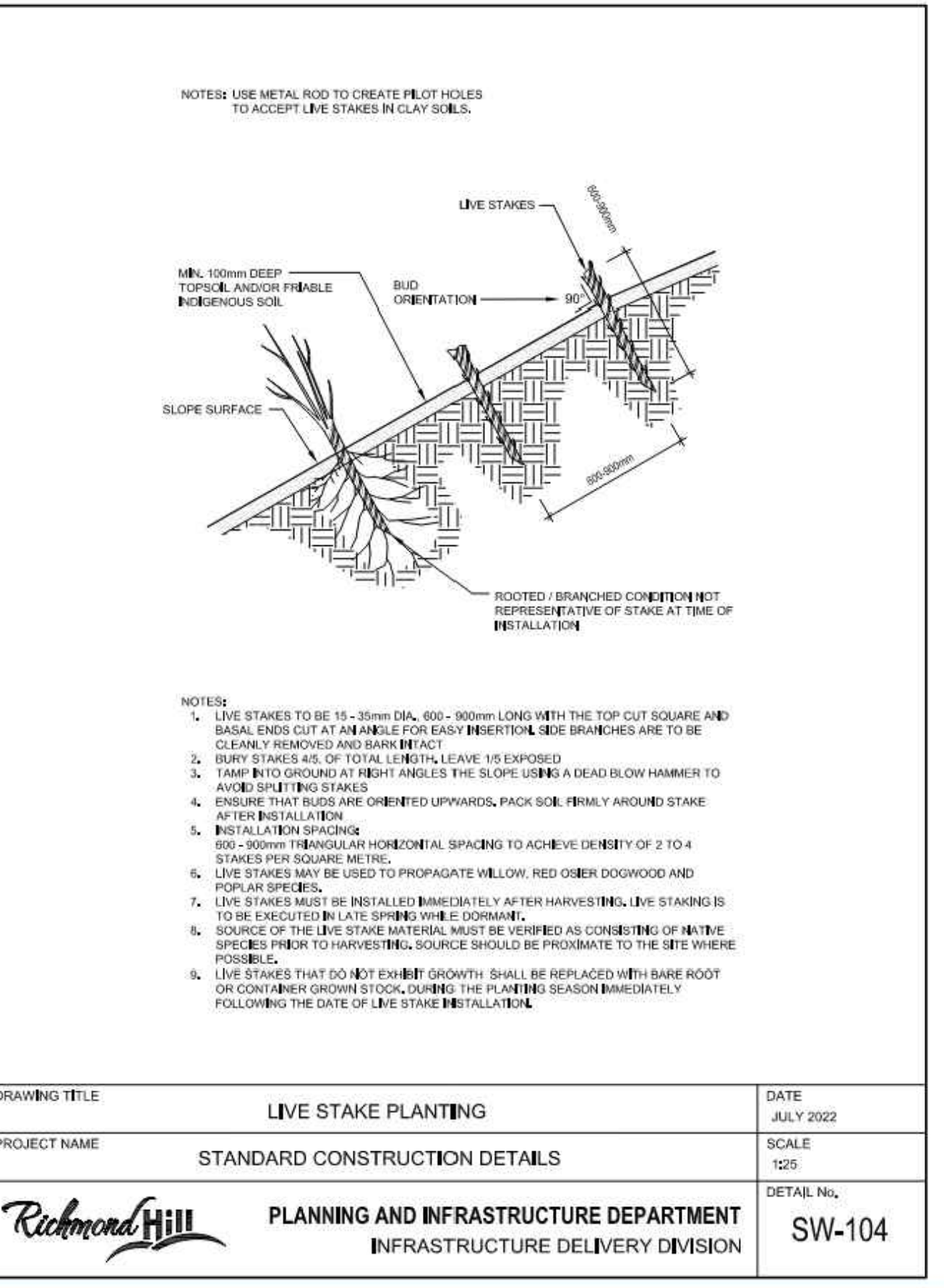
2 DECIDUOUS TREE PLANTING- CITY OF RICHMOND HILL

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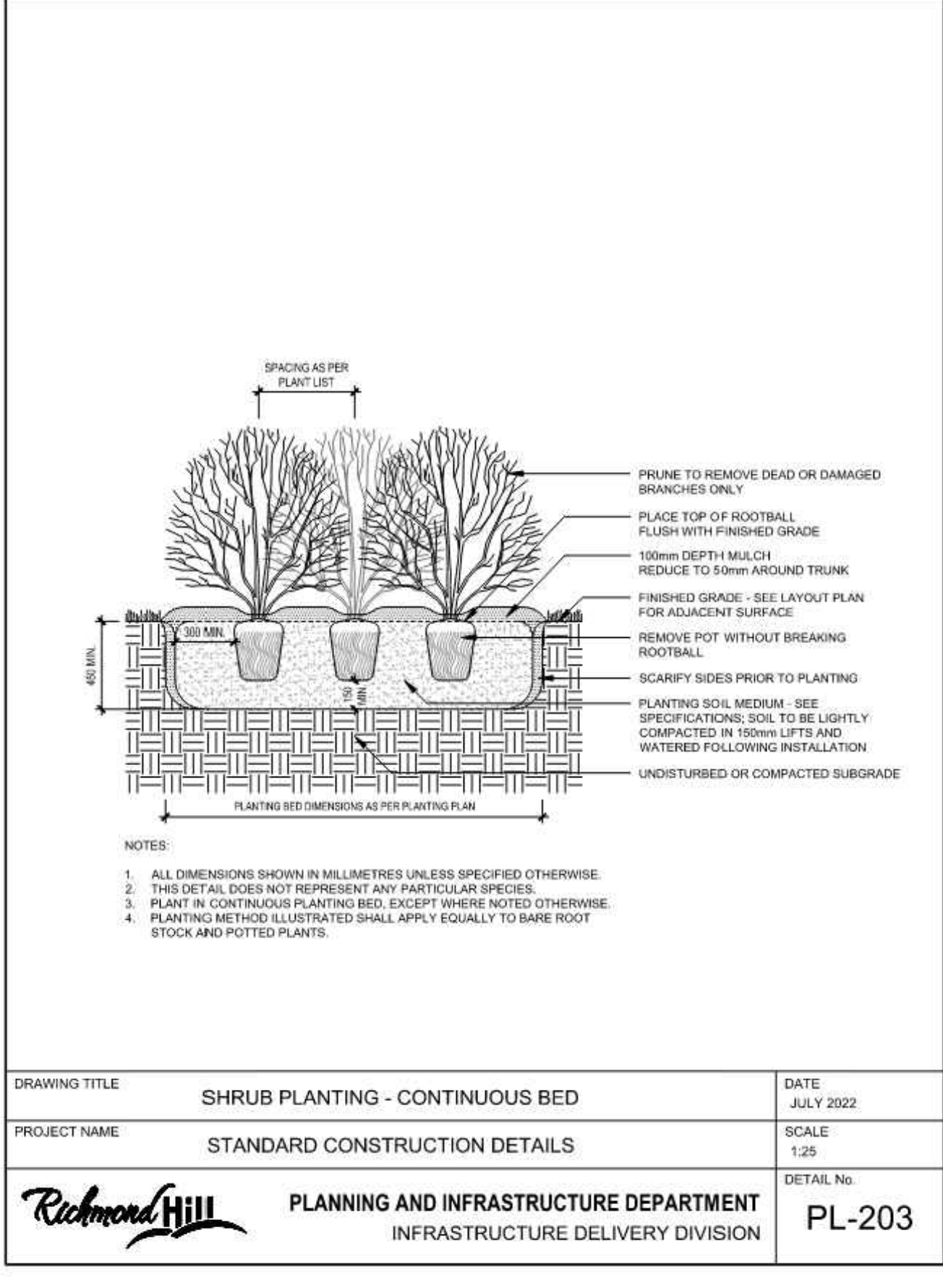
3 CONIFEROUS TREE PLANTING- CITY OF RICHMOND HILL

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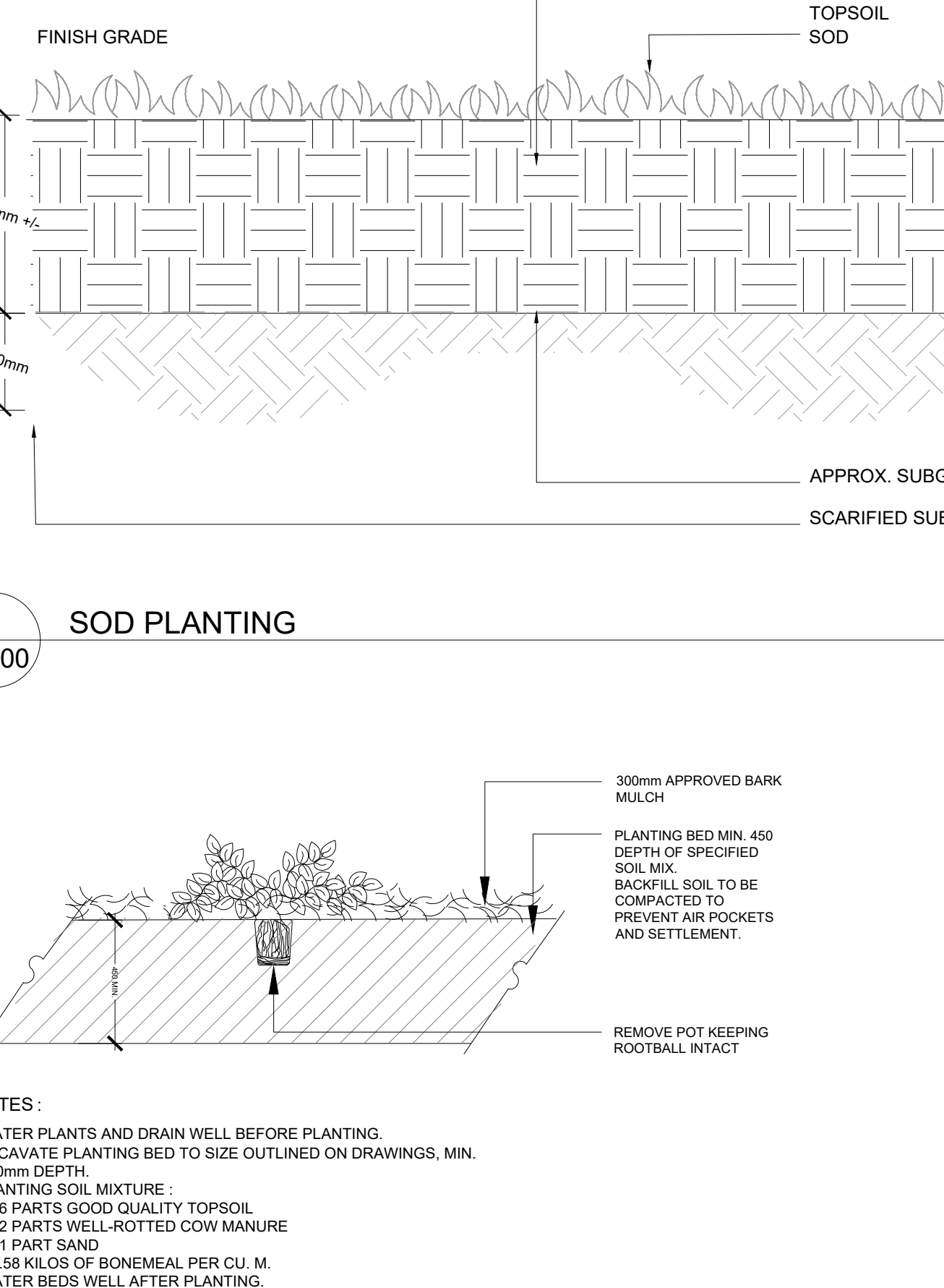
4 LIVE STAKE PLANTING- CITY OF RICHMOND HILL

NTS



5 SHRUB PLANTING- CITY OF RICHMOND HILL

NTS



7 GROUND COVER PLANTING

NTS

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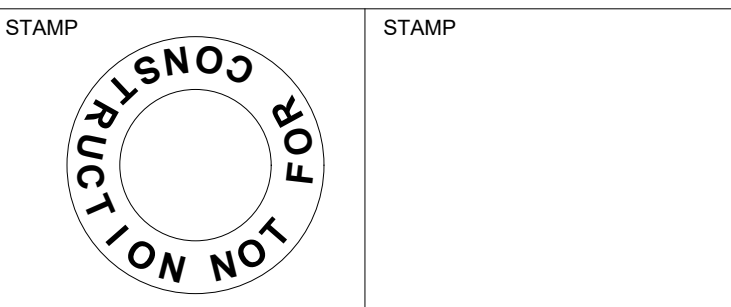
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CITY OF RICHMOND HILL
225 E BEAVER CREEK RD

PROJECT TITLE:
CONNOR BUILDING RENOVATIONS

SITE ADDRESS:
**39 KING RD
RICHMOND HILL, ON L4E 2W1**

DRAWING TITLE:
DETAILS



DESIGNED	ER	DRAWN	ER	CHECKED	ST
SCALE		DATE	MARCH 2025		
PROJECT NUMBER	CA0010351.5022	DWG. NUMBER	L-500		

TRCA Frugal Dry Mix (TRCA-SD-1)			
L-Rank	Scientific Name	Common Name	%
L3	<i>Panicum virgatum</i>	Switch grass	15.0%
L2	<i>Sorghastrum nutans</i>	Indian grass	15.0%
L3	<i>Andropogon gerardii</i>	Big bluestem	15.0%
L4	<i>Elymus riparius</i>	Riverbank rye	3.0%
L5	<i>Elymus virginicus</i>	Virginia wild rye	7.0%
L4	<i>Elymus canadensis</i>	Canada wild rye	11.0%
L2	<i>Elymus trachycaulus</i>	Slender wheat grass	2.0%
L2	<i>Elymus villosus</i>	Silky Wild Rye*	2.0%
L5	<i>Oenothera biennis</i>	Evening primrose	2.0%
L2	<i>Heliopsis helianthoides</i>	Oxeye	2.0%
L4	<i>Rudbeckia hirta</i>	Black eyed Susan	5.0%
L2	<i>Schizachyrium scoparium</i>	Little bluestem	10.0%
L5	<i>Asclepias syriaca</i>	Common milkweed	5.0%
L3	<i>Penstemon digitalis</i>	Foxglove beardtongue	2.0%
L3	<i>Pycnanthemum virginianum</i>	Virginia mountain mint*	2.0%
L5	<i>Monarda fistulosa</i>	Wild bergamont	2.0%
	Total		100.0%

1
L-501

TRCA SEED MIX

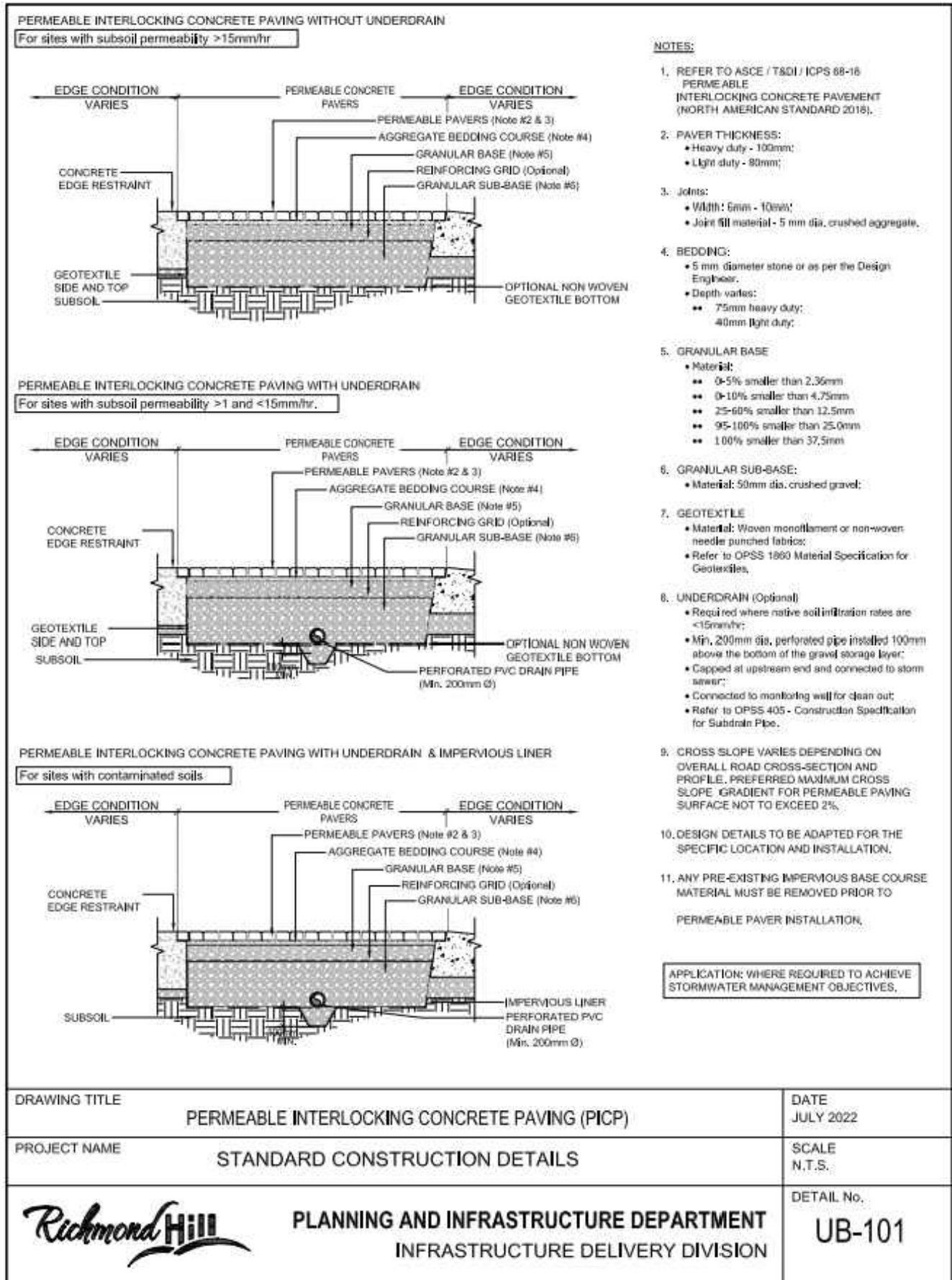
NTS

Ontario Short Wet Meadow (TRCA-SW-5) Shorter mix for sight lines - wet in spring, dryer in summer			
L-Rank	Scientific Name	Common Name	%
L4	<i>Asclepias incarnata</i>	Swamp milkweed	2.0%
L3	<i>Bromus ciliatus</i>	Fringed Brome	4.0%
L5	<i>Carex bebbii</i>	Bebb's sedge*	4.0%
L5	<i>Carex stipata</i>	Awl-fruited sedge	4.0%
L5	<i>Carex vulpinoidea</i>	Fox sedge	5.0%
L4	<i>Elymus riparius</i>	Riverbank rye	15.0%
L5	<i>Elymus virginicus</i>	Virginia Wild Rye	15.0%
L5	<i>Glyceria striata</i>	Fowl manna grass	5.0%
L5	<i>Juncus articulatus</i>	Jointed rush	2.0%
L4	<i>Juncus balticus</i>	Baltic rush	2.0%
L4	<i>Juncus effusus</i>	Soft rush	2.0%
L5	<i>Juncus tenuis</i>	Path rush	5.0%
L5	<i>Juncus torreyi</i>	Torrey's Rush*	2.0%
L2	<i>Liatis spicata</i>	Dense blazing star	2.0%
L1	<i>Lobelia cardinalis</i>	Cardinal flower	1.0%
L3	<i>Lobelia siphilitica</i>	Blue lobelia	2.0%
L4	<i>Mimulus ringens</i>	Monkey flower	1.0%
L5	<i>Monarda fistulosa</i>	Wild bergamont	3.0%
L5	<i>Oenothera biennis</i>	Evening primrose	2.0%
L3	<i>Penstemon digitalis</i>	Foxglove beardtongue	2.0%
L3	<i>Physostegia virginiana ssp. virginiana</i>	False dragonhead or Obedient plant	2.0%
L4	<i>Rudbeckia hirta</i>	Black eyed Susan	5.0%
L5	<i>Scirpus atrovirens</i>	Green bulrush	10.0%
L5	<i>Verbena hastata</i>	Blue vervain	3.0%
	Total		100.0%

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ECOBLANKET

NTS



3
L-501

PERMEABLE PAVING

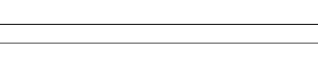
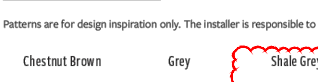
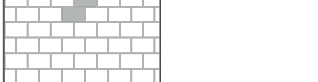
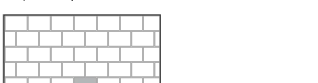
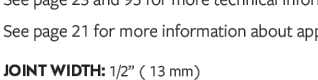
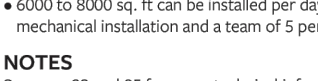
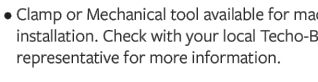
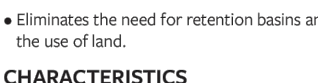
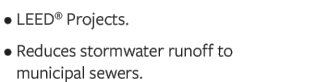
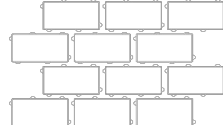
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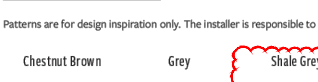
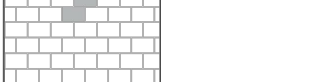
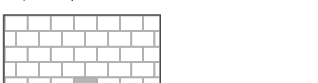
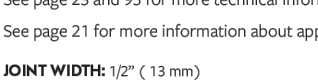
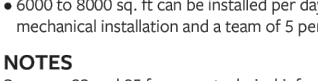
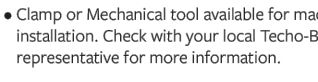
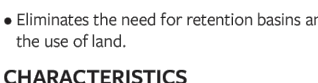
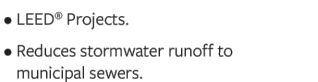
HYDRA

DESCRIPTION: Paver TEXTURE: Smooth

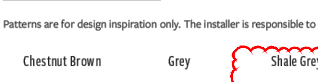
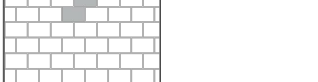
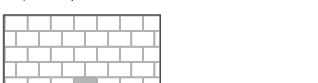
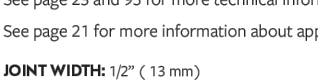
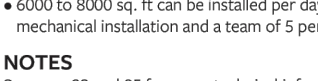
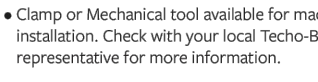
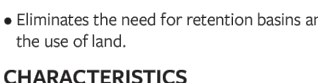
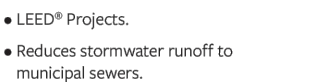
PALLET OVERVIEW



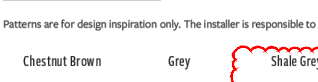
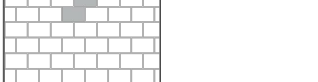
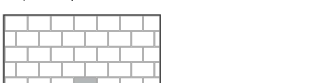
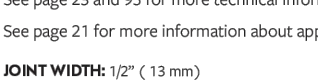
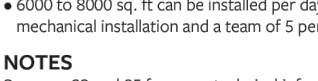
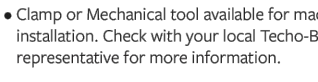
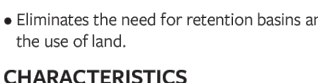
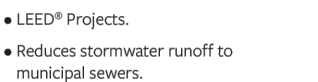
Specifications per pallet	Imperial	Metric
Cubing	62 ft ²	5.76 m ²
Approx. Weight	2 811 lbs	1 275 kg
Number of rows	8	
Coverage per row	7.75 ft ²	0.72 m ²
Linear coverage per row	11.80 lin. ft	3.60 lin. m
Unit dimensions	in	mm
Height	3 1/4	100
Width	7 1/2	200
Length	11 1/2	300



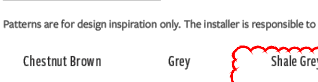
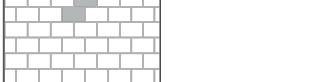
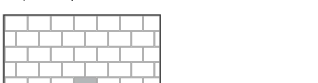
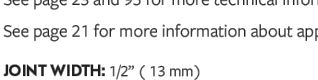
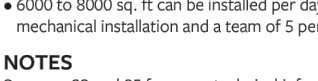
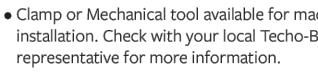
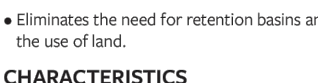
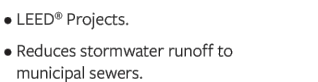
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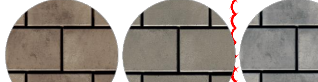
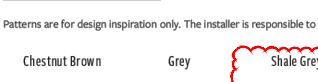
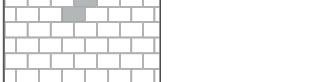
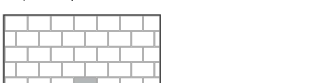
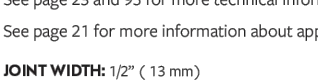
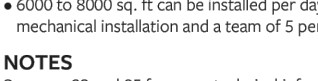
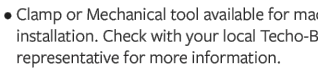
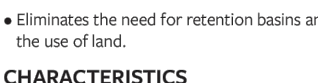
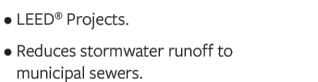
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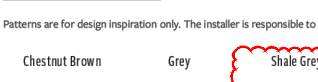
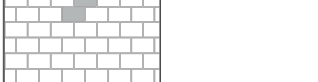
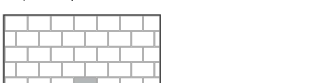
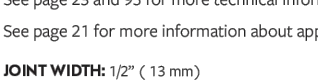
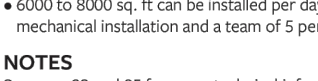
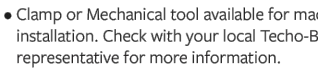
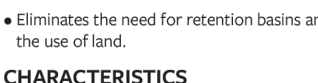
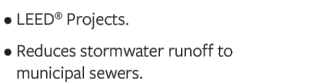
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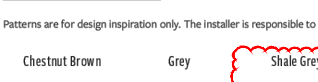
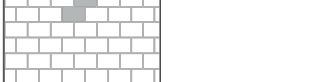
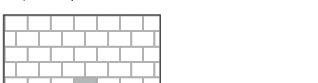
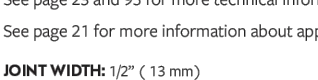
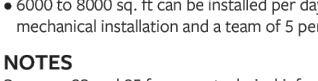
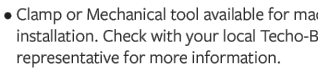
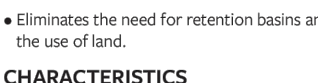
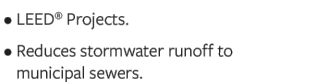
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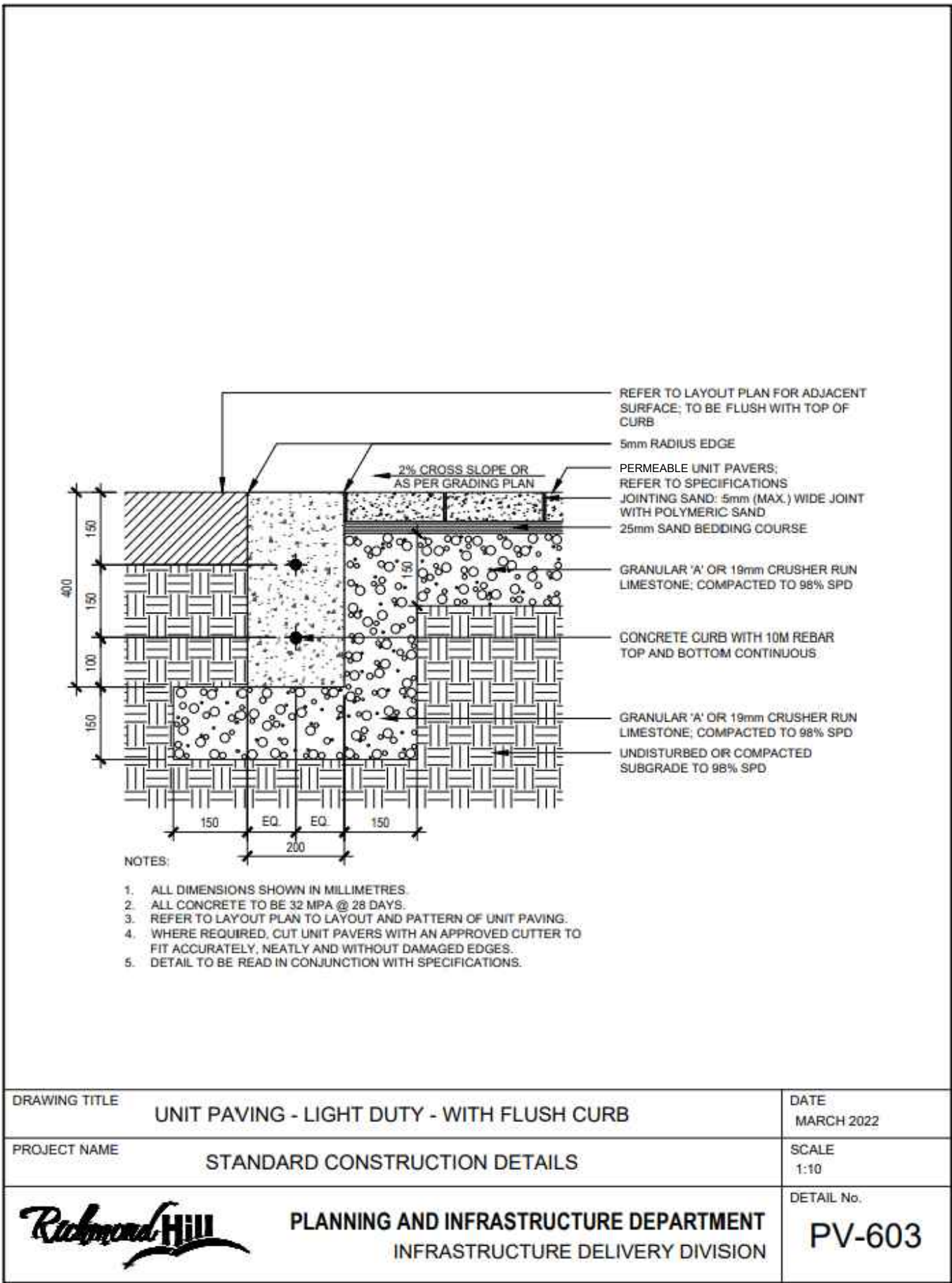


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1 UNIT PAVING WITH FLUSH CURB NTS

Planters

400 Series - 400 Planter
MPL-0400-00003
Legacy # MLP400-M3

Laser Design 3 - Fence Pattern
Metal



800.716.5506 | maglin.com

2 PLANTER NTS

KEY MAP

LEGEND

DRAWING INFORMATION

ORIGINAL DESIGN AND/OR DRAWING BASE COMPLETED BY:
ARCHITECTURE 49
YEAR: 2024
ADDRESS: 20 QUEEN ST W, SUITE 2300 TORONTO, ON M5H 3R3

NO	DATE	REVISION/ISSUED	BY	APPD
6	2025/04/14	ISSUED FOR TENDER	ER	ST
5	2025/03/20	ISSUED FOR TENDER	ER	ST
4	2025/03/17	SPA 3rd SUBMISSION	ER	ST
3	2025/01/16	ISSUED FOR PERMIT APPLICATION	ER	ST
2	2024/12/16	RE-ISSUED FOR SPA	ER	ST
1	2024/05/08	ISSUED FOR SPA	ER	ST

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CLIENT:
CITY OF RICHMOND HILL
225 E BEAVER CREEK RD

PROJECT TITLE:
CONNOR BUILDING
RENOVATIONS

SITE ADDRESS:
39 KING RD
RICHMOND HILL, ON L4E 2W1

DRAWING TITLE:
DETAILS

STAMP	STAMP
DESIGNED ER	DRAWN ER
CHECKED ST	DATE MARCH 2025
PROJECT NUMBER CA0010351.5022	DWG. NUMBER L-502