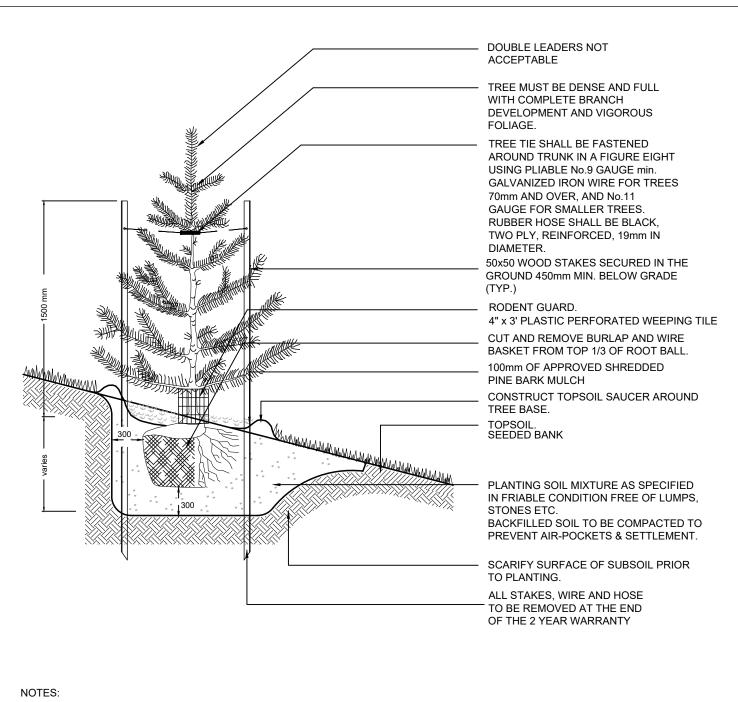
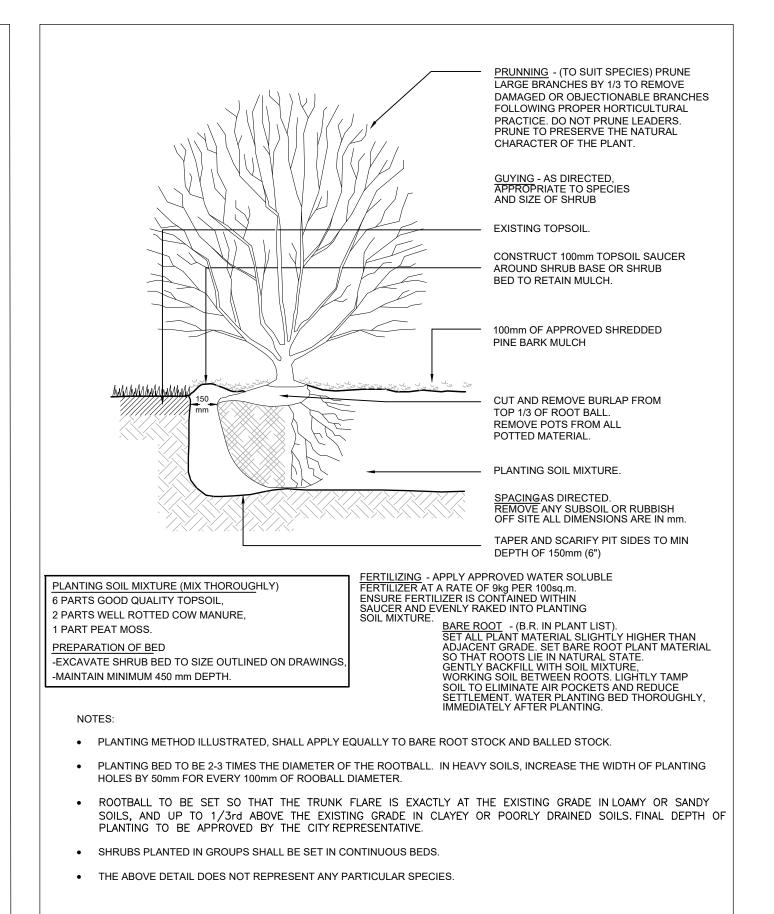


REMOVE EXCESS FILL FROM TOP OF TRUNK TO REVEAL FLARE AT BOTTOM OF TREE

N.T.S. CONIFEROUS TREE PLANTING



CONIFEROUS TREE PLANTING ON SLOPE



N.T.S. (2) DECIDUOUS TREE PLANTING ON SLOPE DECIDUOUS TREE PLANTING PRUNE TO PRESERVE THE NATURAL CHARACTER OF THE PLANT.

ROOTBALL TO BE SET SO THAT THE TRUNK FLARE IS EXACTLY AT THE EXISTING GRADE IN LOAMY

SOILS, AND UP TO 1/3rd ABOVE THE EXISTING GRADE IN CLAYEY OR POORLY DRAINED SOILS.

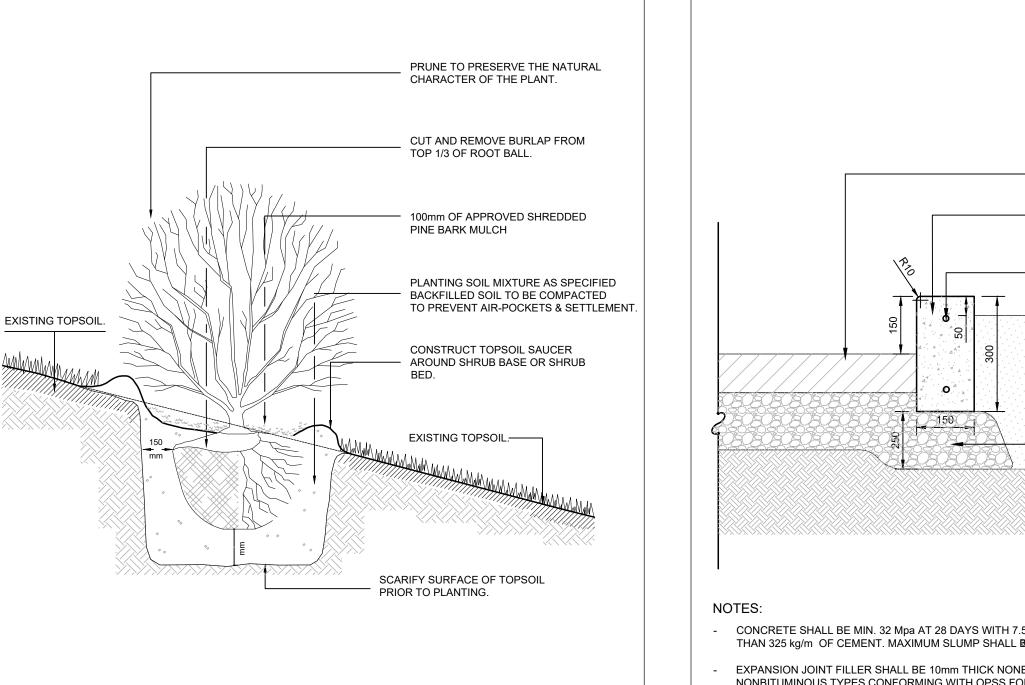
FINAL DEPTH OF PLANTING TO BE APPROVED BY THE CITY REPRESENTATIVE

- PLANTING METHOD ILLUSTRATED, SHALL APPLY EQUALLY TO BARE ROOT STOCK AND BALLED STOCK.

- SET SHRUBS 50 mm HIGHER THAN SURROUNDING GRADE TO ALLOW FOR SETTLEMENT.

- SHRUBS PLANTED IN GROUPS SHALL BE SET IN CONTINUOUS BEDS.

- THE ABOVE DETAIL DOES NOT REPRESENT ANY PARTICULAR SPECIES.



ADJACENT SURFACE (VARIES - REFER TO LAYOUT PLAN) POURED IN PLACE CONCRETE CURB PLANTING MIX AS DETAILED 250mm MIN DEPTH GRANULAR 'A' - COMPACTED SUBGRADE

CONCRETE SHALL BE MIN. 32 Mpa AT 28 DAYS WITH 7.5% +/- 1.5% PURPOSELY ENTRAINED AIR AND NOT LESS THAN 325 kg/m OF CEMENT. MAXIMUM SLUMP SHALL BE 50mm. CLASS C-2 EXPANSION JOINT FILLER SHALL BE 10mm THICK NONEXTRUDING AND RESILIENT BITUMINOUS OR NONBITUMINOUS TYPES CONFORMING WITH OPSS FORM 1308 AND AS APPROVED BY THE OPSS MAX. SPACING SHALL BE 16.0 m. SAW CUT CONTROL JOINTS @ 4.0m O.C. EXPANSION JOINT TO BE PLACED AGAINST ALL RIGID STRUCTURES

GRANULAR "A" TO CONFORM WITH OPSS FORM 1010. SUBGRADE AND GRANULAR COMPACTION TO CONFORM WITH OPSS FORM 501.

6 SHRUB PLANTING ON SLOPE

- 1. ALL PLANTING TO MEET HORTICULTURAL STANDARDS OF CANADIAN NURSERY TRADE ASSOCIATION, GUIDE SPECIFICATION FOR NURSERY STOCK,LATEST EDITION. ALL PLANT MATERIAL TO BE No. 1 GRADE.
- TOPSOIL: SHALL BE FERTILE, FRIABLE, NATURAL LOAM CONTAINING 4% MINIMUM ORGANIC MATTER FOR CLAY LOAMS AND 2% MINIMUM ORGANIC MATTER FOR SANDY LOAMS. ACIDITY RANGE SHALL BE FROM 6.0 pH TO 7.5 pH AND SHALL BE CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE FREE OF ANY ADMIXTURE OF SUBSOIL, CLAY LUMPS, STONES AND ROOTS OVER 50 mm DIAMETER AND ANY OTHER EXTRANEOUS MATTER AND SHALL BE REASONABLY FREE OF WEEDS AND SEEDS. APPLY TOPSOIL EVENLY OVER THE SITE TO A DEPTH OF 450MM AND TO 1.0M BELOW THE PERMANENT WATER LEVEL TO A DEPTH OF 300MM.
- PEAT MOSS: SHALL BE PARTIALLY DECOMPOSED FIBROUS OR CELLULAR STEMS AND LEAVES OF SPHAGNUM MOSSES, TEXTURE VARYING FROM POROUS FIBROUS TO SPONGY FIBROUS, FAIRLY ELASTIC AND SUBSTANTIALLY HOMOGENEOUS WITH pH NOT LESS THAN 4.5 AND NOT GREATER THAN 6.0. IT SHALL BE BAILED AND FREE OF DECOMPOSED COLLODIAL RESIDUE, WOOD, SULFUR AND IRON, BE BROWN IN COLOUR AND FINELY SHREDDED. SHREDDED PARTICLES SHALL NOT
- 4. FERTILIZERS: SHALL BE COMPLETE, COMMERCIAL FERTILIZERS CONTAINING NOT LESS THAN SIXTY PERCENT (60%) UREA FORMALDEHYDE BY WEIGHT. FERTILIZER SHALL BE ADDED TO PLANTING MIXTURE BASED ON THE RESULTS OF A
- TOPSOIL TEST, BUT IN NO CASE LESS THAN THE FOLLOWING MINIMUM STANDARD: 10-6-4 @ 400 GRAMS PER 25 mm OF TREE CALIPER; AND ii) 10-6-4 @ 400 GRAMS PER 1.0 cu. metre OF SOIL MIXTURE FOR PLANTING BEDS.
- 5. BONEMEAL: SHALL BE COMMERCIAL RAW BONEMEAL, FINELY GROUND AND WITH A MINIMUM ANALYSIS OF 4% NITROGEN AND 20% PHOSPHORIC ACID. 6. PLANTING SOIL MIXTURE: SHALL BE 5 PARTS SANDY LOAM TOPSOIL; ONE PART WELL-ROTTED CATTLE MANURE AND ONE PART PEAT MOSS. BONEMEAL SHALL BE ADDED AT THE RATE OF 500 GRAMS PER cu. metre, SOIL MIXTURE TO BE COMPACTED TO PREVENT AIR POCKETS AND SETTLEMENT.
- '. ALL SHRUBS TO BE PLANTED IN CONTINUOUS BEDS AND MULCHED AS SPECIFIED.
- 8. MULCH: ALL MULCH FOR TREES AND SHRUBS TO BE BULK SHREDDED PINE BARK, AS SUPPLIED BY ALTREAT OR APPROVED EQUAL (UNIFORM DEPTH OF 100mm). KEEP ALL STEMS AND CROWNS CLEAR OF MULCH. 9. LOCATIONS OF ALL PLANT MATERIAL TO BE STAKED OUT BY THE CONTRACTOR AND APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT PRIOR TO THE EXCAVATION OF PLANTING PITS.
- 10. THE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT AT COMMENCEMENT OF PLANTING FOR REVIEW OF THE PLANT MATERIAL.
- 11. ALL THE WORK SHALL BE COMPLETED TO THE ACCEPTANCE OF BOTH THE LANDSCAPE ARCHITECT AND THE OWNER. THE LANDSCAPE ARCHITECT SHALL ISSUE SUBSTANTIAL PERFORMANCE WHEN THE WORKS ARE COMPLETE AND ACCEPTABLE. PERFORMANCE ACCEPTANCE SHALL BE ISSUED WHEN ALL WORKS ARE COMPLETED AS SHOWN ON THE APPROVED DRAWINGS. A ONE YEAR INTERIM INSPECTION SHALL BE HELD TO REVIEW PLANT MATERIAL. THE TWO YEAR WARRANTY WILL COMMENCE FROM THE DATE OF SUBSTANTIAL COMPLETION.
- 12. ALL DISTURBED AREAS OTHER THAN PAVING, PLANTING BEDS AND AREAS TO BE SEEDED SHALL BE RESTORED BY FINE GRADING AND SODDING OVER A MINIMUM 300mm TOPSOIL.

Key	Botanical Name	Common Name	Cal.	Ht.	Spr.	Cond.	Remarks	Tota
	Deciduous Trees							
Afj	Acer x freemanii 'Jeffersred'	Freeman Maple 'Autumn Red'	60mm			BB	Uniform Specimen	23
As	Acer saccharum	Sugar Maple	60mm			BB	Uniform Specimen	37
Asc	Acer saccharinum	Silver Maple	60mm			BB	Uniform Specimen	23
Al	Amelanchier laevis Spring Flurry ('JFS-ARB)	Spring Flurry Serviceberry	50mm			WB	Uniform Specimen	9
Cc	Cercis canadensis	Eastern Redbud	45mm			WB	Tree Form	12
Ck	Cladrastis kentukea	Yellowwood				WB	Tree Form	5
			50mm					
Со	Celtis occidentalis	Common Hackberry	60mm			BB	Uniform Specimen	30
Gts	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honeylocust	60mm			BB	Uniform Specimen	25
Hid	Hamamelis x intermedia 'Diane'	Witch Hazel 'Diane'		100cm		BB	Uniform Specimen	3
Lt	Liriodendron tulipifera	Tulip Tree	60mm			BB	Uniform Specimen	38
Ov	Ostrya virginiana	Hop—hornbeam (Ironwood)	60mm			WB	Uniform Specimen	6
Pam	Platanus x acerifolia 'Morton Euclid'	Ovation London Planetree	60mm			BB	Uniform Specimen	8
Pt	Populous tremuloides	Trembling Aspen	60mm			BB	Uniform Specimen	27
Рс	Pyrus calleryana 'Chanticleer'	Chanticleer Ornamental Pear	60mm			BB	Uniform Specimen	15
Qmb	Quercus macrocarpa	Bur Oak	60mm			BB	Uniform Specimen	44
Qmc	Quercus muehlenbergii	Chinquapin Oak	60mm			BB	Uniform Specimen	18
Qr	Quercus rubra	Red Oak	60mm			BB	Uniform Specimen	42
Ta	Tilia americana	American Basswood	60mm			BB	Uniform Specimen	16
Тс	Tilia cordata	Little Leaf Linden	60mm			BB	Uniform Specimen	19
Uav	Ulmus americana 'Valley Forge'	Valley Forge Elm	60mm			BB	Uniform Specimen	22
	Coniferous Trees							
Pg	Picea glauca	White Spruce		200cm		WB	Uniform Specimen	44
Po	Picea omorika	Serbian Spruce		200cm		WB	Uniform Specimen	3
Ps	Pinus Strobus	White Pine		200cm		WB	Uniform Specimen	58
	Shrubs							
csk	Cornus sericea 'Kelseyi'	Kelsey Red Osier Dogwood		40cm		2 gal pot	300mm O.C.	380
ilvg	llex verticilata Little Goblin Guy ('NCIV3')	Little Goblin Guy Winterberry		60cm		2 gal pot	500mm O.C.	26
ilvo	llex verticilata Little Goblin Orange ('NCIV2')	Little Goblin Orange Winterberry		60cm		2 gal pot	500mm O.C.	134
rb	Rosa blanda	Smooth rose		60cm		3 gal pot	1500mm O.C.	60
rr	Rosa rugosa 'Nearly Wild'	Nearly Wild Rose		60cm		3 gal pot	750mm 0.C.	30
ro	Rubus odoratus	Purple—flowering Raspberry		60cm		2 gal pot	1000mm O.C.	75
10	Nubus odoratus	Fulple—Howering Ruspberry		OOCIII		2 gai pot	1000111111 0.0.	75
ain	Perennials and Grasses Asclepias incarnata	Swamp Milkweed				1 Itr pot	300mm 0.C.	140
acv	Astilbe chinensis 'Vision in White'	False Spirea				1 gal pot	250mm 0.C.	190
CV#1	Carex vulpinoidea	Fox Sedge				1 gal pot	300mm O.C.	200
cvu	Echinacea x 'Delicious Candy'	+					250mm 0.C.	323
ecc	•	Delicious Candy Coneflower				1 gal pot		
em	Eupatorium maculatm	Joe Pye Weed				1 gal pot	300mm 0.C.	176
eup	Eupatorium perfoliatum	Common Boneset				1 gal pot	300mm 0.C.	40
hma	Hakonechloa macra 'All Gold'	Japanese Forest Grass				1 gal pot	300mm 0.C.	150
hso	Hemerocallis 'Stella D'Oro'	Stella D'Oro Daylilly	-			1 gal pot	300mm O.C.	210
had	Hosta 'Abiqua Drinking Gourd'	Drinking Gourd Hosta				1 gal pot	600mm O.C.	135
irv	Iris versicolor	Blue Flag Iris				1 gal pot	300mm O.C.	140
mf	Monarda fistulosa	Wild Bergamot				1 gal pot	300mm O.C.	140
pah	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass				1 gal pot	200mm O.C.	450
pat	Perovskia atriplicifolia Lacey Blue ('Lisslit')	Lacey Blue Sage				1 gal pot	300mm 0.C.	140
rh	Rudbeckia hirta	Black-eyed Susan				1 gal pot	300mm O.C.	290
sn	Salvia nemorosa Blue Queen	Blue Queen Meadow Sage				1 gal pot	300mm O.C.	140
	Verbena hastata	Blue vervain	1		<u> </u>	1 gal pot	200mm O.C.	110

Common Name	Botanical Name	Percentage of Mix (%)
Black Eyed Susan	Rudbeckia hirta	15
Big Bluestem	Andropogon gerardii	30
Blue Wood Aster	Symphyotrichum cordifolius	1
Canada Goldenrod	Solidago canadensis	2
Canada Anemone	Anemone canadensis	1
Common Milkweed	Asclepias syriaca	5
Evening Primrose	Oenethera biennis	2
Grass Leaved Goldenrod	Euthamia graminifolia	1
Little Bluestem	Schizachyrium scoparium	20
Meadow/Open Field Sedge	Carex granularis	12
New England Aster	Symphyotrichum novae-angliae	1
Virgins Bower	Clematis virginiana	5
Wild Bergamot	Monarda fistulosa	5

- 2. PERCENTAGES OF MIX NOTED ABOVE INDICATE APPROXIMATE VOLUME BY WEIGHT. 3. APPLY WITH NURSE CROP AS SPECIFIED IN DETAIL 11 ON THIS SHEET.
- 4. EXPOSED SITES SHOULD BE STABILIZED AS SOON AFTER COMPLETION OF LAND DISTURBANCE AS POSSIBLE. UPLAND DRY MEADOW SEED MIX - HYDROSEED APPLICATION

Common Name	Botanical Name	Percentage of Mix (%)
Canada Wild Rye	Elymus canadensis	25
Annual Oats	Avena sativa	25
Creeping Bent Grass	Agrostis stolonifera	25
Little Bluestem	Schizachyrium scoparuim	20
Meadow/Open Field Sedge	Carex granularis	5

ditch lines, swales, and fill/soil piles.

- SEED AT RATE OF 25-30Kg/ha. 2. PERCENTAGES OF MIX NOTED ABOVE INDICATE APPROXIMATE VOLUME BY WEIGHT. 3. APPLY WITH NURSE CROP AS SPECIFIED IN DETAIL 11 ON THIS SHEET.
- 4. EXPOSED SITES SHOULD BE STABILIZED AS SOON AFTER COMPLETION OF LAND DISTURBANCE AS POSSIBLE.

Cor	nservation Halton Nurse C	rop Mix
Common Name	Botanical Name	Percentage of Mix (%)
Canada Wild Rye	Elymus canadensis	35
Annual Oats	Avena sativa	25
Creeping Bent Grass	Agrostis stolonifera	20

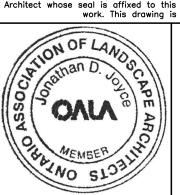
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Festuca rubra

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Key Plan - N.T.S.

07.07.2022	Issued for SPA	R1	5		
06.07.2022	Issued for Adde	endum 2	5		
05.27.2022	5.27.2022 Issued for Addendum 1				
05.10.2022	Issued for Tend	ler	J		
04.28.2022	Progress Set -	Issued for Review	J		
03.24.2022	Progress Set - Issued for Review				
02.04.2022	Issued for SPA (1st Submission)				
01.26.2022	Issued for Coordination				
Date Revisions			By		
ais drawing, as an instrument of service, is provided by, and is the operty of The MBTW Group . The contractor shall check and verify all dimensions and report all errors and omissions to the Landscape itect whose seal is affixed to this drawing before proceeding with the work. This drawing is not to be scaled.					





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Project Name: NORTH PARK DEVELOPMENT: COMMUNITY CENTRE LIBRARY AND SPORTS PARK

Town of Oakville

PLANTING DETAILS

November 2021

AS NOTED Job No.: Date of Drawing:

TOA039