

1 LANDSCAPE PLAN - OVERALL SITE
L1 1:300

SEE ARCHITECTURAL
FOR SITE FENCING TYP.

Diagram illustrating a road cross-section with a 10% grade. The diagram shows a horizontal line representing the existing ground level and a sloped line representing the proposed pavement grade. The vertical distance between the existing ground and the proposed grade is labeled 'CUTTING'. The slope of the proposed grade is indicated as 10%.

REMOVE 2x EXISTING GARAGE BEDS
SEE CIVIL & ARCHITECTURAL FOR
EXPANDED PAVING.

CONTRACTOR IS RESPONSIBLE FOR REPAIRING DAMAGED SOD/GRASS AREAS IMPACTED BY CONSTRUCTION ACCESS OR PAVING SCOPE. SCARIFY SOIL, TOP DRESS AND DIRECT-SEED UNLESS OTHERWISE NOTED ON ARCHITECTURAL CONTRACT DOCUMENTS.

SEE CIVIL ENGINEERING PLANS FOR ALL CONCRETE WALKWAYS, CURBS, GRADING-PAVING AND ASSOCIATED WORKS. SEE ARBORIST REPORT AND TREE PROTECTION PLAN FOR TREE PROTECTION REQUIREMENTS.

We agree to implement the approved landscape plans within one year of the date of first occupancy and will retain the Landscape Architect/Designer to make periodic site inspections and on completion of the landscape works will submit a final copy of the Site Development Works Notification Form from the Landscape Architect/Designer.

Any revision to the landscape plans will be submitted to the Urban Designer, City of Kitchener, before commencement of the works, for review and approval.

We, the undersigned, the City, its employees, agents and contractors to enter upon our land to which these drawings apply, to complete the required site development works and agree to indemnify the City and its authorized agents and save them harmless from any and all actions arising out of the exercises by the City, its employees and agents of the exercise of the rights hereby given to them. And we further undertake to notify the City forthwith of any change of ownership of the said lands.

Signature of Owner _____

Name of Owner

Address

Date _____

Telephone

I hereby certify that the landscape plan and the Site Grading, Drainage and Storm Water Management Plans for this project are coordinated with respect to proposed works and site conditions.

Signature and stamp

Date _____

Signature and optional stamp of the Professional Consultant(s) for Site Grading, Drainage and Siltation Control, and Storm Water Management.

Date _____

LANDSCAPE PLAN - FRONT OF SITE ENLARGEMENT
1:150

DO NOT SCALE THE DRAWINGS.

CHECK AND VERIFY ALL DIMENSIONS AT THE SITE.

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NO.	ISSUES	DATE	BY
1	ISSUED FOR 90% SUBMISSION	250122	KF
2	ISSUED FOR TENDER	250122	KF
3	ISSUED FOR ADDENDUM	250331	KF
4	RE-ISSUED FOR SPA	250331	KF

NO.	REVISIONS	DATE	BY
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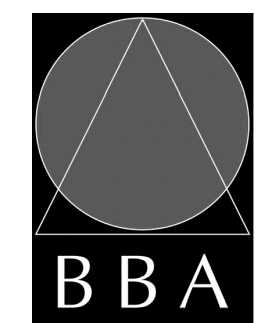
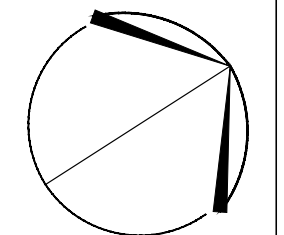


PROJECT:

**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:

LANDSCAPE PLAN
OVERALL SITE

BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5

Tel: (905) 666-5252
Fax: (905) 666-5256
e-mail: bbs@bbs-archeng.com

PROJECT NO:

24015

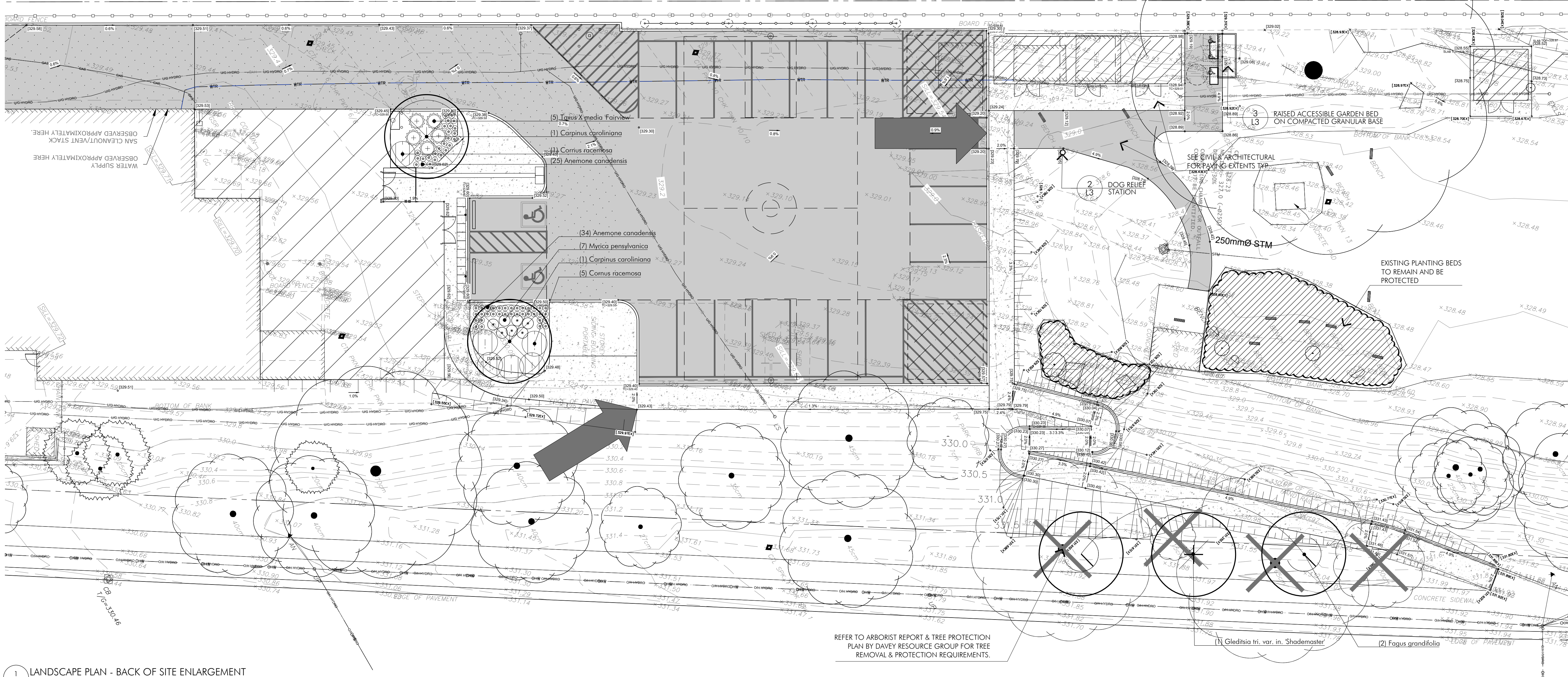
DESIGN BY: KF	DOC CONTROL: DATE:
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CHECKED BY: KF	FILE:
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FILE:	

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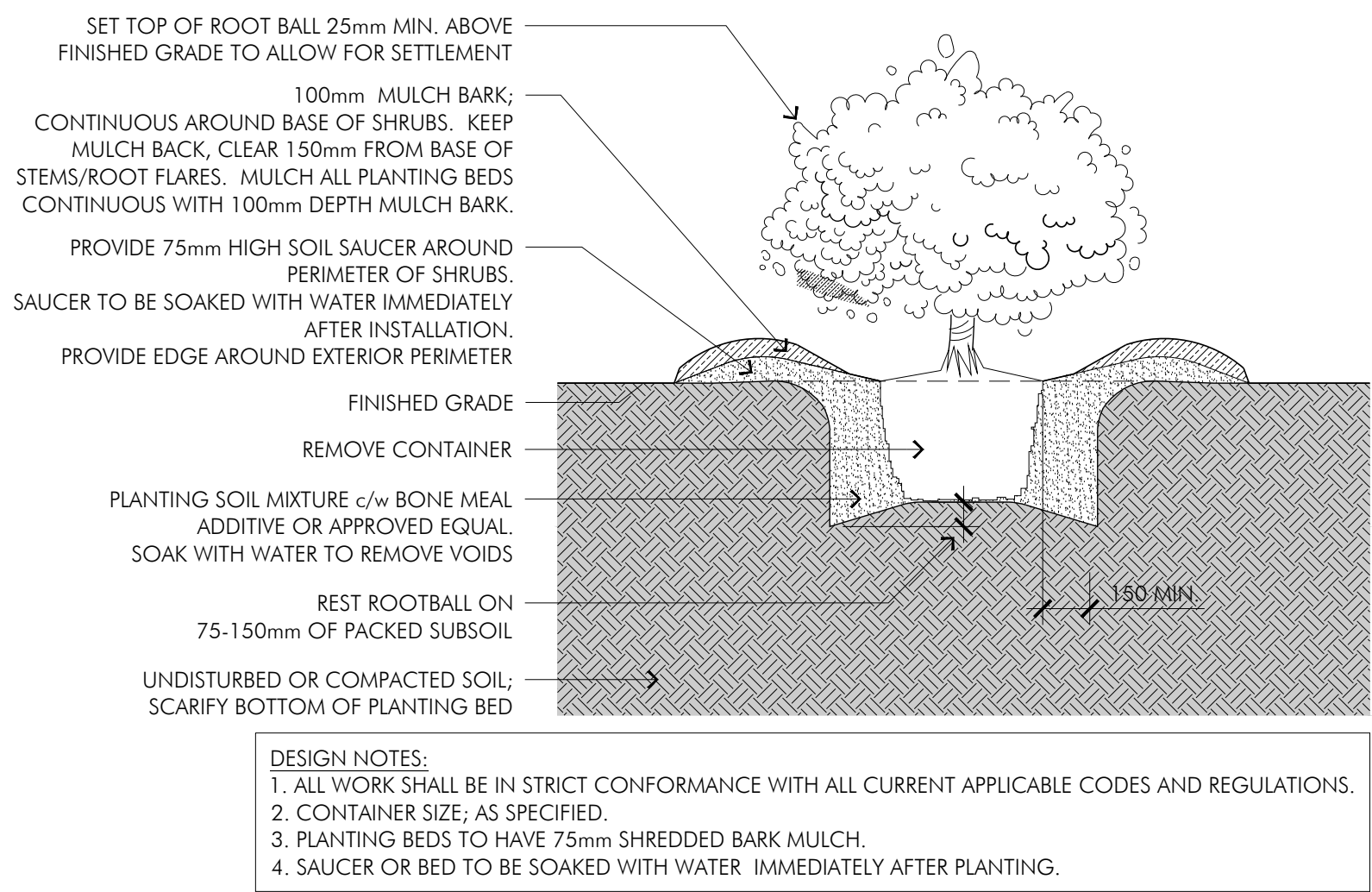
L1



1 LANDSCAPE PLAN - BACK OF SITE ENLARGEMENT
1:150

DECIDUOUS TREES								
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE-CAL	ROOT	REMARKS	DROUGHT TOLERANCE	SOIL SALT TOLERANCE	NATIVE
2	Carpinus caroliniana	Hornbeam, Blue-Beech	60mm Cal.	W.B.	Straight, single trunk, evenly branched. Branching to begin min. 1.2m above grade	MOD	MOD	YES
2	Fagus grandifolia	American Beech	60mm Cal.	W.B.	Straight, single trunk, evenly branched. Branching to begin min. 1.2m above grade	MOD	MOD	YES
4	Gleditsia tri. var. in. 'Shademaster'	Honeylocust	60mm Cal.	W.B.	Straight, single trunk, evenly branched. Branching to begin min. 1.2m above grade	MOD	MOD	YES
DECIDUOUS SHRUBS								
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE-CAL	ROOT	REMARKS	DROUGHT TOLERANCE	NATIVE	
6	Cornus racemosa	Grey Dogwood	80cm Ht.	Cont.	Evenly branched, Min. 3 Canes	HIGH	YES	
7	Myrica pensylvanica	Bayberry	60cm Ht.	Cont.	Full, mounded plant	MOD	YES	
5	Physocarpus opulifolius 'Diablo'	Diablo Ninebark	80cm Ht.	Cont.	Full, dense plant	HIGH	NO	
13	Rosa 'Dwarf Pavement' (Zweig)	Dwarf Pavement Rose	60cm Ht.	Cont.	Full, dense plant	MOD	YES	
EVERGREEN SHRUBS								
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE-CAL	ROOT	REMARKS	DROUGHT TOLERANCE	SOIL SALT TOLERANCE	NATIVE
58	Juniperus Chin Pfitzeriana Nick's Compacta	Nick's Compact Juniper	80cm Spr./3 Gallon min.	Cont.	Full, dense plant	MOD	LOW	NO
5	Taxus X media 'Fairview'	Fairview Yew	80cm Spr./3 Gallon min.	Cont.	Full, dense plant	MOD	LOW	NO
PERENNIALS								
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE-CAL	ROOT	REMARKS	DROUGHT TOLERANCE	SALT TOLERANCE	NATIVE
194	Anemone canadensis	Canada Anemone	1 Gallon	Cont.	Full, dense plant	HIGH	HIGH	YES
194	Geranium maculatum	Wild Geranium	1 Gallon	Cont.	Full, dense plant	HIGH	HIGH	YES
194	Salvia verticillata 'Purple Rain'	Purple Rain Salvia	1 Gallon	Cont.	Full, dense plant	HIGH	HIGH	NO
ORNAMENTAL GRASSES								
QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE-CAL	ROOT	REMARKS	DROUGHT TOLERANCE	SALT TOLERANCE	NATIVE
75	Schizachyrium scoparium	Little Bluestem	1 Gallon	Cont.	Full, dense plant	HIGH	HIGH	YES

2 PLANT SCHEDULE
1:150



3 CONTAINER STOCK PLANTINGS
1:20

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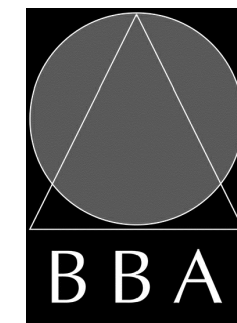
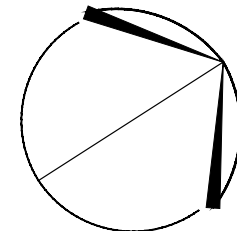
NO.	REVISIONS	DATE	BY
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PROJECT:
**MILL COURTLAND
COMMUNITY CENTRE
ADDITION**

216 MILL STREET
KITCHENER, ONTARIO
CITY OF KITCHENER

DRAWING:
LANDSCAPE PLAN
ENLARGEMENT AREAS



BARRY BRYAN
ASSOCIATES

Architects
Engineers
Project Managers

250 Water Street
Suite 201
Whitby, Ontario
L1N 0G5
Tel: (905) 666-6252
Fax: (905) 666-6258
email: bb@bba-entm.com



DESIGN BY:
KF

DRAWN BY:
TN

CHECKED BY:
KF

DATE:
250226

SCALE:
AS SHOWN

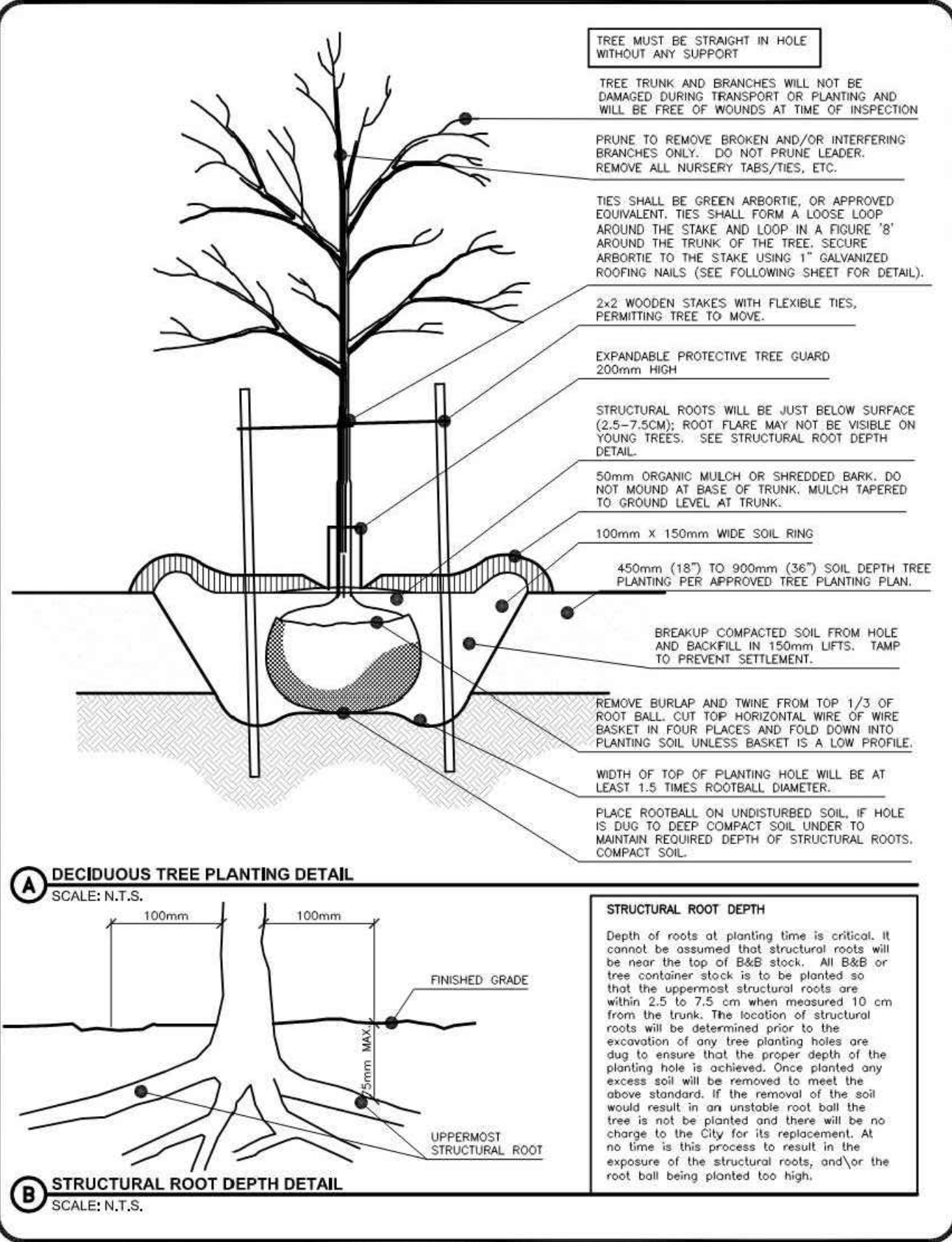
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PROJECT NO:

24015

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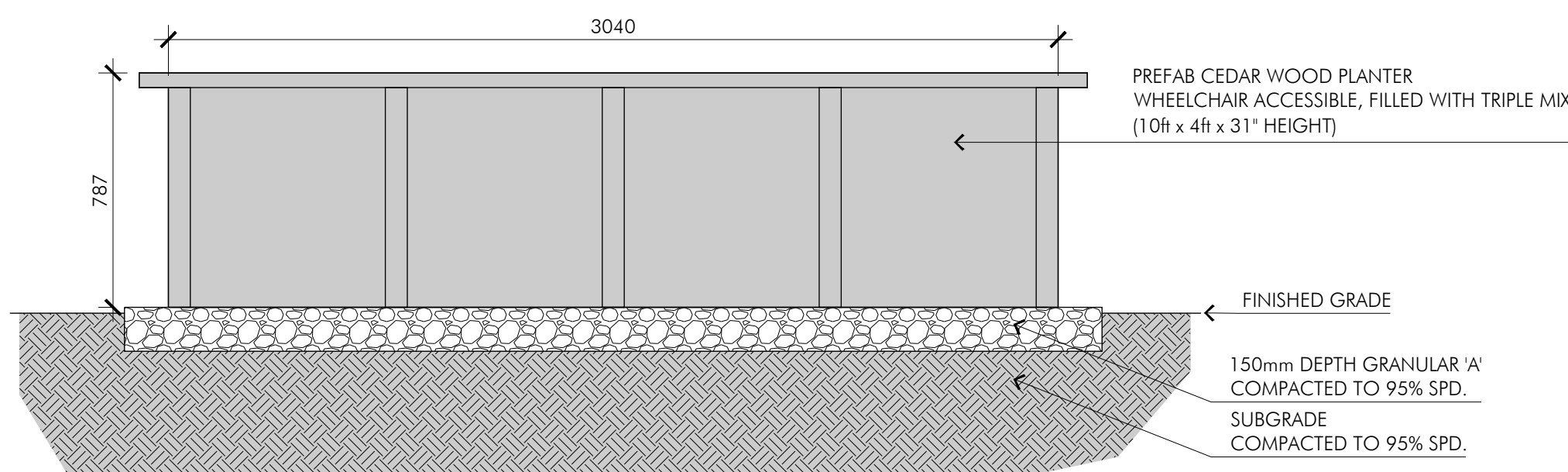
	STANDARD TREE PLANTING FOR DECIDUOUS & CONIFEROUS TREES
DESIGN: N/A	LAST REVISION: N.T.S.
DRAWN BY: ML PARIS	DATE: May 25, 2012
FILE NAME: UF.4.1	

1.3 DECIDUOUS TREE PLANTINGS



WOOD FRAMED WHEELCHAIR ACCESSIBLE RAISED PLANTER

- PROVIDES 3 WHEELCHAIR ACCESSIBLE WORK SPACES ON ONE SIDE OF PLANTER.
- 28" SOIL DEPTH ALLOWS FOR MOST VEGETABLES TO THRIVE.
- AVAILABLE FROM: THE BACKYARD URBAN FARM CO. (OR APPROVED ALTERNATIVE)
- <https://butco.ca/specialty-beds/>



3.1.3 CONTAINER STOCK PLANTINGS

2.1.3 PET RELIEF STATION

TOPSOIL TYPES:

TYPE 1:

SOD AND SEEDED AREAS INCLUDING BOULEVARDS:

Soil particle size distribution:

Total sand (0.05 - 2 mm) 50 - 75%

Silt (0.002-0.05mm) 20 - 40%

Clay (< 0.002 mm) 5 - 20% (Total SSC will sum 100%)

Gravel (2 - 64 mm) less than or equal to 5%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 2:

TYPE 2:

PLANTING BED MIX, FOR HORTICULTURAL BEDS OF SHRUBS, PERENNIALS AND TOP 300mm OF CONTINUOUS TREE SOIL VOLUME AREAS:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 3:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 4:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 5:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 6:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 7:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 8:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 9:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 10:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 11:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 12:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 13:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 14:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 15:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 16:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 17:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 18:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 19:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 20:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE 21:

Composition: Topsoil: 50%, Coarse Sand: 20%, Organic Components: 30%

Chemical analysis: pH: 6.0 - 7.5

Plant Available Nutrient Levels (ppm):

Phosphorous 10 - 60

Potassium 80 - 250

Calcium < 5000

Magnesium 100 - 300

Soluble salt < 1.5 mmhos/cm

Percent organic matter (dry weight) 4 - 6%

Infiltration/Permeability/Hydraulic Conductivity 50 - 75 mm/hr at 85% Proctor density

TYPE