

**SPECIFICATIONS**

**GENERAL**

- THESE SPECIFICATIONS MUST BE READ IN CONJUNCTION WITH THE GENERAL CONDITIONS OF THE CONTRACT AS PREPARED BY THE PRIME CONSULTANT.
- THE CONTRACTOR SHALL REPAIR AT HIS EXPENSE ALL DAMAGE TO ALL EXISTING STRUCTURES/UTILITIES/CONDITIONS CAUSED BY HIS WORK.

**PLANT MATERIAL**

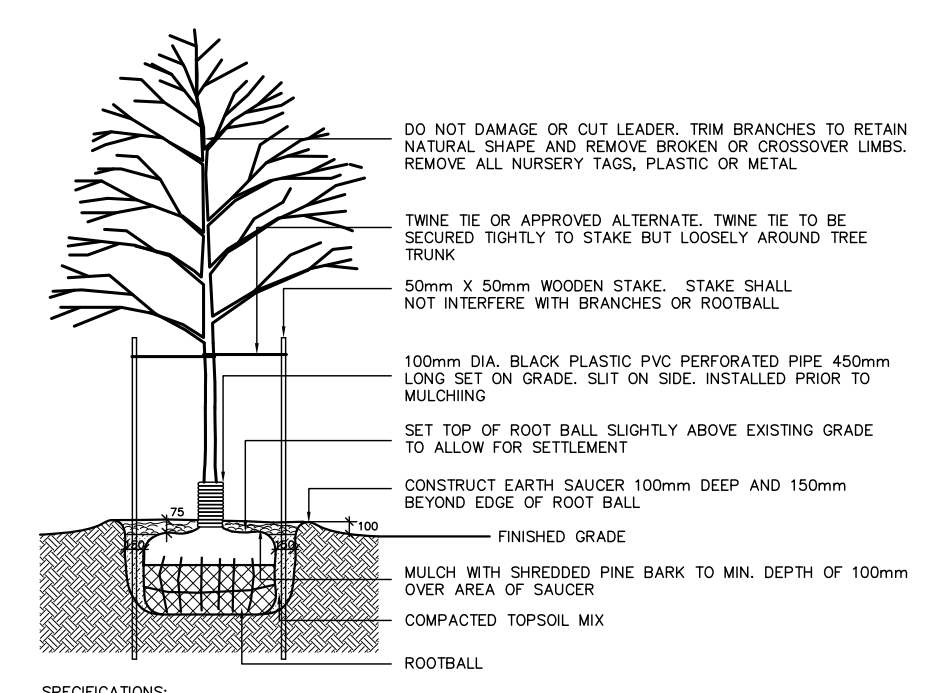
- ALL WORKMANSHIP SHALL MEET THE STANDARDS OF LANDSCAPE MANITOBA.
- INSTALL PLANT MATERIAL TRUE TO NAME, SIZE AND CONDITION AS SPECIFIED.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO THE STANDARDS OF THE CANADIAN NURSERY TRADES ASSOCIATION.
- ALL PLANT MATERIAL SHALL BE STAKED OR PLACED BY LANDSCAPE CONTRACTOR FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL TREE PITS AND PLANTING BEDS SHALL BE MULCHED WITH A MINIMUM DEPTH OF 75mm (3") OF "GRO-BARK" SHREDDED PINE MULCH AS SPECIFIED.
- ALL TREES SHALL BE PLANTED BY APPROVED PROCEDURES AND ORIENTED TO PROVIDE BEST APPEARANCE.
- ALL TREES TO BE STAKED UPON PLANTING AS SPECIFIED.
- ALL TREES PLANTED WITHIN SODDED OR GRASSED AREAS TO HAVE PLASTIC MOWER GUARD INSTALLED AROUND TRUNK AS SPECIFIED.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE. PLANT MATERIAL WHICH DOES NOT SURVIVE SATISFACTORILY DURING THE GUARANTEE PERIOD SHALL BE REPLACED AT NO EXTRA COST TO THE OWNER.
- ALL SUBSTITUTIONS MUST RECEIVE WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY ON SITE.

**TOPSOIL**

- TOPSOIL TO BE FRIABLE, NEITHER HEAVY CLAY NOR OF VERY LIGHT SANDY NATURE, CONTAINING A MIN. OF 4% ORGANIC MATTER FOR CLAY LOAMS AND 2% FOR SANDY LOAMS TO A MAX. OF 20% VOLUME.
- ALL SODDED AREAS TO HAVE A MINIMUM DEPTH OF 150mm (6") OF TOPSOIL.
- PLANTING BEDS AND TREE PITS TO BE BACKFILLED WITH 4 PARTS TOPSOIL (AS SPECIFIED ABOVE) TO 1 PART PEAT MOSS, PLUS .6 KG. OF BONE MEAL PER CUBIC METER (1 LB. PER CUBIC YARD) OF FINISHED MIXTURE. PROVIDE 450mm (18") OF TOPSOIL FOR PLANTING BEDS.

**SODDING**

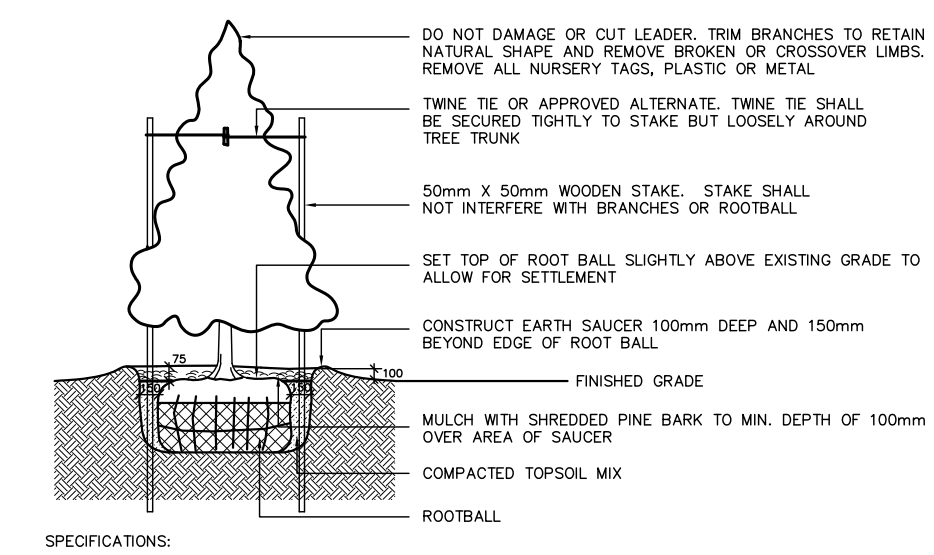
- ALL LANDSCAPED AREAS TO BE SODDED UNLESS OTHERWISE NOTED ON DRAWINGS. ALL SOD IS TO CURB UNLESS OTHERWISE NOTED.
- ALL SOD SHALL MEET THE STANDARDS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO FOR CERTIFIED NO. 1 GRADE TURF GRASS.
- ALL SODDED AREAS TO HAVE A MINIMUM DEPTH OF 150 mm (6") OF TOPSOIL AND COMPACTED TO 95% S.P.D.
- ROUGH GRADED AND COMPACTED SOIL SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 100 mm (4") FREE OF ALL STONES, ROOTS AND BRANCHES LARGER THAN 25 mm (1") DIAMETER.
- PLACE SOD ON PREPARED TOPSOIL WITH STAGGERED JOINTS AND BUTT TIGHTLY. IRRIGATE IMMEDIATELY TO ENSURE MOISTURE PENETRATION INTO THE UPPER 100 mm (4") OF SOIL AND REPAIR MINOR GRADE DEFICIENCIES.
- REG SOD ON ALL SLOPES GREATER THAN 3:1 AS REQUIRED. IRRIGATE IMMEDIATELY TO ENSURE MOISTURE PENETRATION INTO THE UPPER 100 mm (4") OF SOIL.



**SPECIFICATIONS:**

- TOPSOIL MIX, SEE SPEC.
- IF ROOTBALL HAS WIRE BASKET, CUT BASKET IN FOUR PLACES AND FOLD DOWN 200mm INTO PLANTING PIT.
- DO NOT STAKE THROUGH ROOT BALL.
- WATER THOROUGHLY AFTER INSTALLATION.
- CUT AND REMOVE TOP 1/3 OF ROPE AND BURLAP FROM ROOTBALL.
- REMOVE STAKES AND TWINE TIES TWO YEARS AFTER INSTALLATION.
- SCARIFY SUBGRADE PIT BOTTOM AND SIDES TO MIN. 150mm.
- DOUBLE STAKE TREE WITH ORIENTATION N.W. TO S.E.

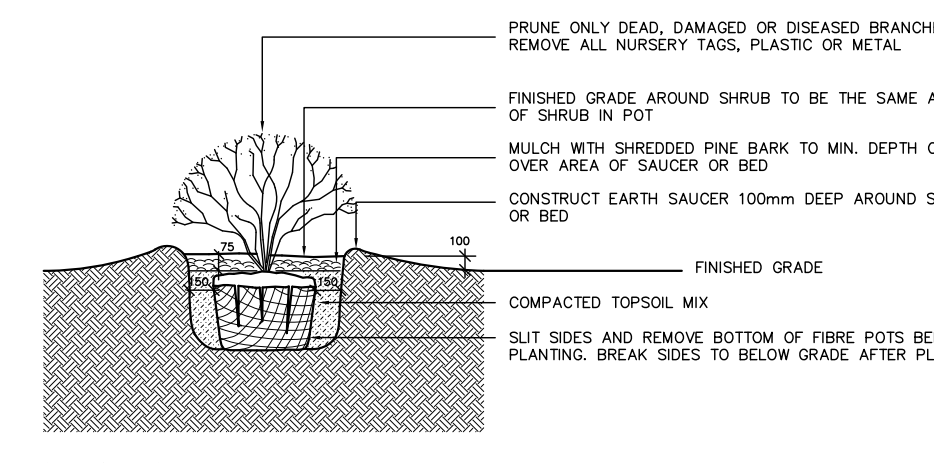
DECIDUOUS TREE PLANTING n.t.s.



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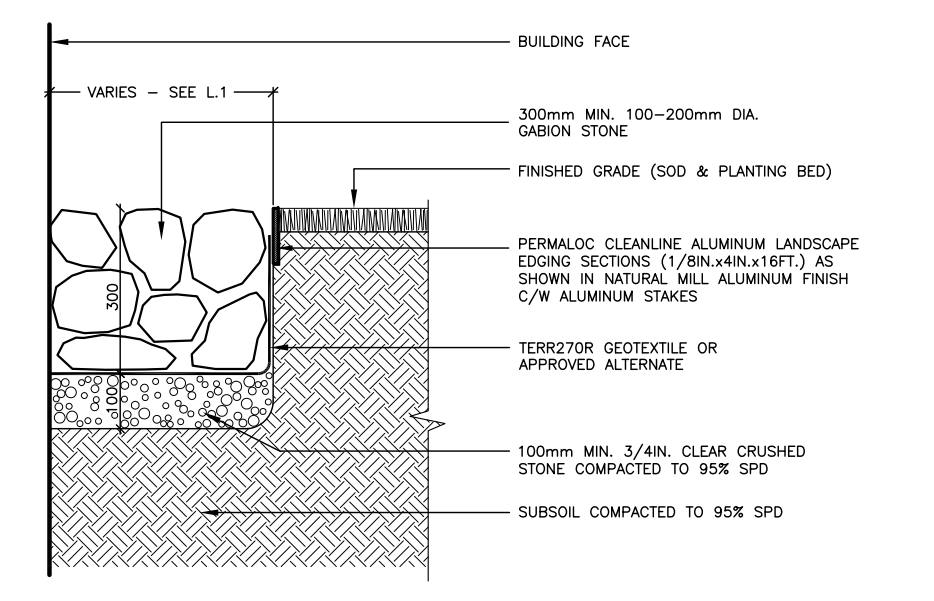
CONIFEROUS TREE PLANTING n.t.s.



**SPECIFICATIONS:**

- TOPSOIL MIX, SEE SPEC.
- SYNTHETIC BURLAP IS NOT ALLOWED.
- WATER THOROUGHLY AFTER INSTALLATION.
- CUT AND REMOVE TOP 1/2 OF ROPE AND BURLAP FROM ROOTBALL IF CONTAINER IS NON-ORGANIC REMOVE COMPLETELY.
- SCARIFY SUBGRADE PIT BOTTOM AND SIDES TO MIN. 150mm.

SHRUB PLANTING n.t.s.



GABION STONE BED n.t.s.

**LEGEND**

- EXISTING DECIDUOUS TREE TO BE TRANSPLANTED
- PROPOSED DECIDUOUS SHADE TREE SEE DETAIL 1 ON L.1
- PROPOSED CONIFEROUS TREE SEE DETAIL 2 ON L.1
- PROPOSED SHRUBS SEE DETAIL 3 ON L.1
- PROPOSED PERENNIALS
- PROPOSED SOD
- PROPOSED GABION STONE BED SEE DETAIL 4 ON L.1
- PROPOSED ALUMINUM EDGING
- PLANT KEY

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	COND.	INSTRUCTIONS
<b>DECIDUOUS TREES</b>						
AfJ	ACER x FREEMANII 'JEFFERSRED'	AUTUMN BLAZE MAPLE	2	60mm	W.B.	INSTALL AS SHOWN
Co	CELTIS OCCIDENTALIS	COMMON HACKBERRY	1	60mm	W.B.	INSTALL AS SHOWN
Qr	QUERCUS RUBRA	RED OAK	4	60mm	W.B.	INSTALL 9M O.C.
<b>CONIFEROUS TREES</b>						
Pq	PICEA GLAUCA	WHITE SPRUCE	2	200cm	W.B.	INSTALL AS SHOWN
<b>SHRUBS</b>						
DI	DIERVILLA LONICERA	BUSH HONEYSUCKLE	13	60cm	3gal	INSTALL 90cm O.C.
PIA	POTENTILLA FRUTICOSA 'ABBOTTWOOD'	ABBOTTWOOD CINQUEFOIL	50	50cm	3gal	INSTALL 60cm O.C.
SAW	SPIRAEA JAPONICA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	133	60cm	3gal	INSTALL 90cm O.C.
SJS	SPIRAEA JAPONICA 'SHIROBANA'	SHIROBANA SPIREA	85	40cm	3gal	INSTALL 80cm O.C.
<b>PERENNIALS, GROUNDCOVERS AND VINES</b>						
HGS	HEMEROCALLIS 'GENTLE SHEPHERD'	DAYLILY	80	1gal	POT	INSTALL 60cm O.C.

**NOTES:**

- ALL PLANT SPECIES AND SIZE SUBSTITUTIONS TO BE APPROVED BY LANDSCAPE ARCHITECT
- DO NOT MOUND PLANTING BEDS ADJACENT TO PAVED AREAS

**General Notes:**

- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES.
- ALL DISCREPANCIES ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY, AND BEFORE PROCEEDING WITH WORK OR SHOP DRAWINGS.
- ALL PLANT SPECIES AND SIZE SUBSTITUTIONS TO BE APPROVED BY LANDSCAPE ARCHITECT.
- THE BASE INFORMATION WAS OBTAINED FROM MURPHY & MURPHY ARCHITECT INC.
- THIS DRAWING IS THE PROPERTY OF ARTHUR LIERMAN LANDSCAPE ARCHITECTURE AND MAY NOT BE USED FOR CONSTRUCTION WITHOUT THE PERMISSION OF THE LANDSCAPE ARCHITECT.
- ALL SOD IS TO CURB UNLESS OTHERWISE NOTED.

**Notes:**

- ALL PLANTING BEDS TO HAVE 450mm MIN. DEPTH OF 3-WAY TOPSOIL MIX.
- ALL TREE PITS AND PLANTING BEDS TO HAVE 75mm MIN. DEPTH OF "GRO-BARK" SHREDDED PINE MULCH.
- ALL AREAS OF EXISTING LAWN DISTURBED BY CONSTRUCTION TO BE REPAIRED AND SODDED.
- PLANTING BED EDGING TO BE PERMALOC CLEANLINE ALUMINUM LANDSCAPE EDGING (1/8IN.x1FT.x16FT.) IN NATURAL MILL ALUMINUM FINISH C/W ALUMINUM STAKES AS MANUFACTURED BY PERMALOC CORP. (800-356-9660).

**Revisions:**

No.	Date	Issued
1.	9/24/10	AS PER SITE CHANGES
2.	1/27/11	AS PER CITY COMMENTS
3.	2/21/11	AS PER CITY COMMENTS

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**N**

Project Title:  
**New Winnipeg Station No. 27**

Winnipeg, Manitoba

Drawing Title:  
**Landscape Plan**

Date: August 2010  
 Scale: 1:250  
 Drawn By: HC  
 Design By: ALL  
 Checked By: ALL

Project No:  
**10.012**

**L.1**

Scale: 1:250