

**SHRUBS AND PLANTING BEDS**

THIS SPECIFICATION SHALL COVER THE SUPPLY AND INSTALLATION OF SHRUBS AND OTHER PLANTS, INCLUDING PLANTING BEDS AS SHOWN ON THE DRAWINGS.

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY, INCLUDING ALL THINGS NECESSARY FOR AND INCIDENTAL TO THE SATISFACTORY PERFORMANCE AND COMPLETION OF THE WORK AS SPECIFIED HEREIN.

**SOURCE QUALITY CONTROL**

OBTAIN APPROVAL FROM THE CONTRACT ADMINISTRATOR OF PLAN MATERIAL AT SOURCE PRIOR TO DIGGING.

**PROTECTION**

COORDINATE SHIPPING OF NURSERY STOCK AND EXCAVATION OF HOLES TO ENSURE MINIMUM TIME LAPSE BETWEEN DIGGING AND PLANTING. TIE BRANCHES OF NURSERY STOCK SECURELY AND PROTECT PLANTS AGAINST ROPE OR WIRE, WHICH WOULD DAMAGE BARK, BREAK BRANCHES OR DESTROY NATURAL SHAPE OF PLANT. GIVE FULL SUPPORT TO ROOT BALL OF NURSERY STOCK DURING LIFTING. COVER PLANT FOLIAGE WITH TARPAULIN, AND PROTECT BARE ROOTS BY MEANS OF DAMPENED STRAW, PEAT MOSS, SAW DUST OR OTHER ACCEPTABLE MATERIAL TO PREVENT LOSS OF MOISTURE DURING TRANSIT AND STORAGE. REMOVE BROKEN AND DAMAGED ROOTS WITH SHARP PRUNING SHEARS. MAKE CLEAN CUTS AND COVER CUTS OVER 10 mm DIAMETER WITH A TREE WOUND DRESSING.

**PRODUCTS**

**PLANTING BEDS AND PLANTING SOIL**

PLANTING BED DEPTH SHALL BE 300 mm UNLESS OTHERWISE STATED.

**PLANT MATERIAL**

PLANT MATERIAL SHALL BE AS SPECIFIED ON THE PLANT SPECIFICATION LIST ON THE LANDSCAPE PLAN. ALL SIZES SHOWN ARE MINIMUM. PLANT FORM, HABIT, ETC. SHALL BE IN ACCORDANCE WITH THE MOST RECENT CANADIAN NURSERY LANDSCAPE ASSOCIATION (CNLA) PUBLICATIONS.

QUALITY AND SOURCE ARE TO COMPLY WITH THE CANADIAN STANDARDS FOR NURSERY STOCK, SEVENTH EDITION OF CNLA REFERRING TO SIZE AND DEVELOPMENT OF PLANT MATERIAL AND ROOT BALL.

SHRUBS ARE TO BE FREE OF DISEASE, INSECT INFESTATION, RODENT DAMAGE, SUN SCALD, FROST CRACKS, ABRASIONS, UNHEALED SCARS, SCARS EXCEEDING 4 cm IN DIAMETER, MAJOR FORKS OR CROOKS IN THE TRUNK, BROKEN BRANCHES, OR ANGLED LEADERS. BARE ROOT IS NOT ACCEPTABLE. PLANTS HAVING THE ABOVE DEFECTS WILL NOT BE ACCEPTED BY THE CONTRACT ADMINISTRATOR.

LANDSCAPE FABRIC: 'WEEDPRO' OR APPROVED EQUAL IN ACCORDANCE WITH B7.

**WOOD CHIP MULCH**

WOOD CHIP MULCH IS NOT IN CONTRACT & IS SUPPLIED & INSTALLED BY THE CITY.

**HYDROSEEDING**

HYDROSEEDING IS NOT IN CONTRACT & IS SUPPLIED & INSTALLED BY THE CITY.

**PAVER STONES**

FOLLOW THE CITY OF WPG GUIDELINES FOR 'INSTALLATION OF PAVER STONES' CW3330 LOCATED ON THE CITY OF WPG. WEBSITE 'STANDARD CONSTRUCTION SPECIFICATIONS'. SUPPLY & INSTALL 38 x 89 TREATED LUMBER FOR BORDER. PAVER STONES BY BARKMAN, HOLLAND COLLECTION 210mm x 105mm x 60mm IN CHARCOAL COLOUR, STAGGERED PATTERN. STONES & BORDER TO BE FLUSH W/ CONCRETE LANDING & GRANULAR PAVING.

**ENTRANCE & PARKING GRANULAR PAVING**

SEE GRADING PLAN FOR SPECIFICATIONS FOR MATERIALS & INSTALLATION.

**COMPOSITE PARKING CURBS**

SUPPLY & INSTALL (44) NEW COMPOSITE PARKING CURBS (BY XPOTENTIAL PRODUCTS INC.) FOR PARKING STALLS. SUPPLY & INSTALL 11 LINEAL METRES OF COMPOSITE PARKING CURBS FOR PLANT BORDER IN PARKING LOT. CUT TO SUIT ANGLES. PIN ALL PARKING CURBS & BORDER CURBS TO GROUND SECURELY AS REQUIRED.

**CHAIN LINK FENCING & PARKING FENCING**

SEE L1.1 FOR PLANS, SECTIONS & SPECIFICATIONS FOR DETAILS.

**INSTALLATION**

LANDSCAPE FABRIC SHALL COVER ALL AREAS TO RECEIVE WOOD CHIP MULCH AND BE COMPLETELY COVERED BY THE MULCH. THE ENDS SHALL BE BURIED SO THE FABRIC DOES NOT LIFT UP. FABRIC IS TO BE CUT IN LOCATION FOR PLANT MATERIAL. INSTALL FABRIC IN LOCATIONS WHERE SMALL PLANTING BEDS ARE LOCATED.

SHRUBS ARE TO BE PLANTED ACCORDING TO THE LANDSCAPE PLAN AND PLANTING DETAILS.

LOCATION OF NURSERY STOCK WILL BE STAKED OUT OR PAINTED ON SITE BY THE CONTRACTOR IN CONSULTATION WITH THE CONTRACT ADMINISTRATOR.

INSTALLATION SHALL BE DONE DURING PERIODS OF SUITABLE WEATHER CONDITIONS AND IN ACCORDANCE WITH LOCALLY ACCEPTED PRACTICE.

PLANT SHRUBS VERTICALLY. ORIENT PLANTS TO GIVE BEST APPEARANCE IN RELATION TO STRUCTURES, ROADS AND SIDEWALKS. PLACE NURSERY STOCK TO DEPTH EQUAL TO DEPTH THEY WERE ORIGINALLY GROWING IN NURSERY. WITH BALLED AND BURLAPPED ROOT BALLS AND ROOT BALLS IN WIRE BASKETS, LOOSEN BURLAP AND CUT AWAY THE TOP 1/3 WITHOUT DISTURBING ROOT BALL. DO NOT PULL BURLAP OR ROPE FROM UNDER ROOT BALL. NON-BIODEGRADABLE WRAPPING MUST BE REMOVED. TAMP PLANTING SOIL AROUND ROOT SYSTEM IN LAYERS OF 140 MM ELIMINATING AIR VOIDS. FROZEN OR SATURATED PLANTING SOIL IS UNACCEPTABLE. WHEN 2/3 OF PLANTING SOIL HAS BEEN PLACED, FILL HOLE WITH WATER. AFTER WATER HAS COMPLETELY PENETRATED INTO SOIL, COMPLETE BACKFILLING.

NURSERY STOCK IS TO BE GROWN IN NURSERIES UNDER PROPER CULTURAL PRACTICES AS RECOMMENDED BY THE CANADIAN NURSERY TRADES ASSOCIATION. ONLY NURSERY STOCK GROWN FOR AT LEAST THE LAST FOUR (4) YEARS IN NURSERIES LOCATED IN AN AGRICULTURE CANADA PLANT HARDINESS ZONE OF 2(A OR B) OR 3 (A OR B) WILL BE ACCEPTED. NURSERY STOCK THAT HAS GROWN IN PANT HARDINESS ZONES 1 AND 4 OR GREATER WILL BE REJECTED.

**WATER**

WATER IS TO BE POTABLE AND FREE OF MINERALS, WHICH MAY BE DETRIMENTAL TO PLANT GROWTH. WATER IS NOT AVAILABLE ON SITE & IS TO BE SUPPLIED BY THE CONTRACTOR FOR ALL INSTALLATION OF PLANTINGS (SHRUBS, TREES ETC) & FUTURE WATERINGS TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.

**FERTILIZER**

FERTILIZER IS TO BE A SLOW RELEASE FORMULATION OF LOW NITROGEN AND HIGH PHOSPHORUS E.G. 10-50-12. APPLY QUANTITIES AT RATES STATED BY PRODUCT MANUFACTURER.

**MAINTENANCE PERIOD**

SUBSTANTIAL PERFORMANCE SHALL BE ACHIEVED ONCE ALL MATERIALS ARE IN PLACE. THE CONTRACTOR SHALL MAINTAIN THE PLANT MATERIAL FOR ONE (1) YEAR AFTER THE COMPLETION OF THE INSTALLATION.

WATER PLANTINGS SUFFICIENTLY AND REGULARLY TO MAINTAIN OPTIMUM GROWTH AND HEALTH OF PLANTS WITHOUT CAUSING EROSION. FOR EVERGREEN PLANT MATERIAL, WATER THOROUGHLY IN LATE FALL PRIOR TO FREEZE-UP TO SATURATE SOIL AND AROUND ROOT SYSTEM. WATER IS NOT AVAILABLE ON SITE & IS TO BE SUPPLIED BY THE CONTRACTOR FOR ALL INSTALLATION OF PLANTINGS (SHRUBS, TREES ETC) & FUTURE WATERINGS TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.

REMOVE WEEDS USING CONTROL METHODS ACCEPTABLE TO CONTRACT ADMINISTRATOR.

**ACCEPTANCE**

TOTAL PERFORMANCE SHALL BE GRANTED AT THE END OF THE MAINTENANCE PERIOD.

**WARRANTY PERIOD**

THE WARRANTY/MAINTENANCE PERIOD OF ONE (1) YEAR SHALL COMMENCE AT TOTAL PERFORMANCE. PLANT MATERIAL SHALL BE REPLACED AS INSTRUCTED BY THE CONTRACT ADMINISTRATOR. ALL MATERIAL THAT IS REPLACED DURING THE MAINTENANCE PERIOD SHALL BE OF THE SAME SIZE, CALIPER AND SPECIES AS THE ORIGINAL PLANT MATERIAL UNLESS OTHERWISE AGREED TO, IN WRITING, BY THE CONTRACT ADMINISTRATOR. PLANT MATERIAL THAT IS REPLACED WILL RECEIVE AN ADDITIONAL ONE (1) YEAR WARRANTY/MAINTENANCE, WHICH WILL COMMENCE ON THE DATE OF REPLACEMENT.

**SEASONAL WEATHER**

DUE TO SEASONAL WEATHER, INSTALLATION SHALL BE DONE DURING PERIODS OF SUITABLE WEATHER CONDITIONS AND IN ACCORDANCE WITH LOCALLY ACCEPTED PRACTICES.

**NOTE:**

THIS DRAWING IS NOT IN CONTRACT.  
SEE DRAWING C1.2 FOR ITEMS IN CONTRACT.

0	ISSUED FOR CONSTRUCTION	MMK	MAR 17, 2017
No.	REVISION/DESCRIPTION	BY	DATE

SEAL



DRAWN	MMK	CHECKED	DESIGNED	APPROVED
DATE	2016.08.30	USER APPROVAL		

**THE CITY OF WINNIPEG**  
 PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT  
 MUNICIPAL ACCOMMODATIONS DIVISION  
 3-65 GARRY STREET, R3C 4K4

**PROJECT**  
 BRADY ROAD LANDFILL  
 ADMINISTRATION BUILDING  
 DEVELOPMENT FOR BRADY LANDFILL  
 1777 BRADY ROAD

**SHEET TITLE**  
 LANDSCAPING SPECIFICATIONS  
 SCALE AS SHOWN PROJECT No: 2015-037 SHEET No: **L1.2**