



THE CITY OF WINNIPEG

SPECIFICATIONS

TENDER NO. 748-2025

BROADWAY SEATING NODES

PROJECT

**Broadway Seating Nodes
Broadway Median Multiple Locations**

FOR OWNER

City of Winnipeg
Planning & Urban Design Division
15-30 Fort Street
Winnipeg, MB R3C 4X5
Attn: Marsha Christiuk
Email: mchristiuk@winnipeg.ca

PRIME CONSULTANT

ft3 Architecture Landscape Interior Design
200-300 Waterfront Drive
Winnipeg, MB R3B 0G5
Tel: (204) 885-9323
Attn: Kristen Struthers
Email: struthers@ft3.ca

END OF SECTION

DIVISION 32 – EXTERIOR IMPROVEMENTS

32 33 00 – Site Furnishings	7
32 93 10 – Shrubs and Ground Cover Planting	6

END OF SECTION

1 General

1.1 RELATED SECTIONS

- .1 CW 1110 - General Instructions

1.2 WASTE MANAGEMENT AND DISPOSAL

- .1 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .2 Collect and separate for disposal packaging material in appropriate on-site bins for recycling.
- .3 Separate and place in designated waste containers.
- .4 Fold up metal banding, flatten and place in designated area for recycling.

1.3 SUBMITTALS

- .1 Provide in accordance with CW 1110 - General Instructions
- .2 Product Data:
 - .1 Provide manufacturer's instructions, printed product literature and data sheets for furniture and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
 - .1 Submit shop drawings indicating dimensions, sizes, assembly, anchorage and installation details for each furnishing specified.
- .4 Provide maintenance data for care and cleaning of site furnishings for incorporation into maintenance manual.

2 Products

2.1 42' TABLE, Node 2 and 3

- .1 Acceptable Material: **Maglin Ogden 42' Table (OGM1900-63392)**
 - .1 Legs: Trapezoid Style
 - .2 Colour: Powder coat Silver 14 Gloss
 - .3 Material: Thermally Modified Ash
 - .4 Dimension: 36' L x 30" W
 - .5 Quantity: 2 (6 connected tables each)
 - .6 Installation: Surface Mount
 - .7 Manufacturer: Maglin Site Furniture
 - .8 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
 - .9 Or approved equal.



2.2 6' TABLE, Node 1 and 4

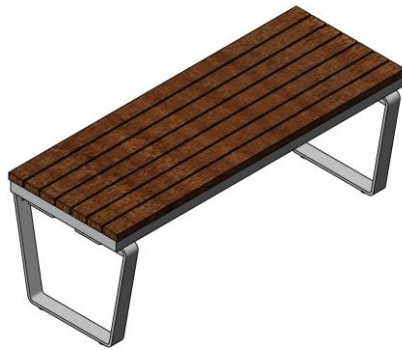
- .10 Acceptable Material: **Maglin Ogden 6' Table (OGM1900-63953)**
- .11 Legs: Trapezoid Style
- .12 Colour: Powder coat Silver 14 Gloss
- .13 Material: Thermally Modified Ash
- .14 Dimension: 6' L x 30" D
- .15 Quantity: 2
- .16 Installation: Surface Mount
- .17 Manufacturer: Maglin Site Furniture
- .18 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
- .19 Or approved equal.



2.3 4' BACKLESS BENCH

- .1 Acceptable Material: **Maglin Ogden straight 4' backless bench (OGM1900-63954)**
- .2 Legs: Trapezoid

- .3 Armrests: N/A
- .4 Colour: Standard powder coat, color TBD
- .5 Material: Thermally Modified Ash
- .6 Length: 4'
- .7 Quantity: 10
- .8 Installation: Surface Mount
- .9 Manufacturer: Maglin Site Furniture
- .10 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
- .11 Or approved equal.



2.4 4' BACKED BENCH

- .1 Acceptable Material: **Maglin Ogden straight 4' backed bench, (OGM1900-64590)**
- .2 Legs: Trapezoid
- .3 Armrests: Center Arm
- .4 Colour: Standard powder coat, color TBD
- .5 Material: Thermally Modified Ash
- .6 Length: 4'
- .7 Quantity: 4
- .8 Installation: Surface Mount
- .9 Manufacturer: Maglin Site Furniture
- .10 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
- .11 Or approved equal.



2.5 5' BACKED BENCH

- .1 Acceptable Material: **Maglin Ogden straight 5' backed bench (OGM1900-63957)**
- .2 Legs: Trapezoid
- .3 Armrests: N/A
- .4 Colour: Standard powder coat, color TBD
- .5 Material: Thermally Modified Ash
- .6 Length: 5'
- .7 Quantity: 4
- .8 Installation: Surface Mount
- .9 Manufacturer: Maglin Site Furniture
- .10 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
- .11 Or approved equal.



2.6 2' BACKED BENCH

- .1 Acceptable Material: **Maglin Ogden straight 2' backed bench (MMP-1900-01303)**
- .2 Legs: Trapezoid
- .3 Armrests: N/A
- .4 Colour: Standard powder coat, color TBD
- .5 Material: Thermally Modified Ash
- .6 Length: 2'
- .7 Quantity: 4
- .8 Installation: Surface Mount
- .9 Manufacturer: Maglin Site Furniture
- .10 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
- .11 Or approved equal.



2.7 2' BACKLESS BENCH

- .1 Acceptable Material: **Maglin Ogden Straight 2' backed bench (MMP-1900-01302)**
- .2 Legs: Trapezoid
- .3 Armrests: N/A
- .4 Colour: Standard powder coat, color TBD
- .5 Material: Thermally Modified Ash
- .6 Length: 2'
- .7 Quantity: 6
- .8 Installation: Surface Mount
- .9 Manufacturer: Maglin Site Furniture
- .10 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
- .11 Or approved equal.



2.8 WASTE RECEPTACLE

- .1 Acceptable Material: **Maglin 650 Trash Receptacle**
 - .1 Colour: Standard powder coat, colour TBD
 - .2 Material: Laser cut metal, birch pattern
 - .3 Lid: Metal
 - .4 Size: 32 gal (121L)
 - .5 Liner access: Side opening
 - .6 Quantity: 1
 - .7 Installation: Surface Mount
 - .8 Manufacturer: Maglin Site Furniture
 - .9 Contact: Jackie Nielsen
 - t: 403-700-7498
 - e: Jackie.nielsen@maglin.com
 - .10 Or approved equal



3 Execution

3.1 PREPARATION

- .1 Locate and protect utility lines.
- .2 Notify and acquire written acknowledgement from utility authorities before beginning installation Work

3.2 INSTALLATION

- .1 Assemble furnishings in accordance with manufacturer's written recommendations.
- .2 Install true and plumb, as indicated.
- .3 Touch-up damaged finishes to approval of Consultant.

END OF SECTION

Part 1 General

1.1 RELATED WORK

- .1 CW 3540 – Topsoil and Finish Grading for Establishment of Turf Areas
- .2 CW 3170 – Earthwork and Grading

1.2 GENERAL

- .1 This specification shall cover the supply and installation of perennial grasses, including planting beds as shown on the Drawings.
- .2 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.

1.3 REFERENCE STANDARDS

- .1 Agriculture and Agri-Food Canada (AAFC).
 - .1 Plant Hardiness Zones in Canada-[2000].
- .2 Canadian Nursery Landscape Association (CNLA)
 - .1 Canadian Nursery Stock Standards - [9th] edition.
- .3 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .4 U.S. Environmental Protection Agency (EPA) / Office of Water
 - .1 EPA 832/R-92-005, Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices.

1.4 ADMINISTRATIVE REQUIREMENTS

- .1 Scheduling: obtain approval from Consultant of schedule 7 days in advance of shipment of plant material.
- .2 Schedule to include:
 - .1 Quantity and type of plant material.
 - .2 Shipping dates.
 - .3 Arrival dates on site.
 - .4 Planting Dates.

1.5 SUBMITTALS

- .1 Scheduling: Obtain approval from Consultant of planting schedule 7 days in advance of shipment of plant material. Scheduling of planting installation to precede any site elements within or adjacent to planting beds that require excavation.
- .2 Scheduling to include:
 - .1 Date for selection of plant material at source by Consultant.

- .2 Quantity and type of material.
- .3 Shipping dates.
- .4 Arrival dates on site.
- .5 Date of planting.

1.6 SOURCE QUALITY CONTROL

- .1 Obtain approval from the Contract Administrator of plant material at source prior to digging.

1.7 QUALITY ASSURANCE

- .1 Perennials are to be planted in accordance with CLNA recommendations, ANSI A-300 Planting Standards.

1.8 DELIVERY, STORAGE AND HANDLING

- .1 Protect plant material from frost, excessive heat, wind and sun during delivery.
- .2 Protect plant material from damage during transportation:
 - .1 Delivery distance is less than 30 km and vehicle travels at speeds under 80 km/h, tie tarpaulins around plants or over vehicle box.
 - .2 Delivery distance exceeds 30 km or vehicle travels at speeds over 80 km/h, use enclosed vehicle where practical.
 - .3 Protect foliage and root balls using anti-desiccants and tarpaulins, where use of enclosed vehicle is impractical due to size and weight of plant material.
- .3 Storage and Handling Requirements:
 - .1 Immediately store and protect plant material which will not be installed within 2 hour[s] in accordance with supplier's written recommendations and after arrival at site in storage location approved by Consultant.
- .4 Protect stored plant material from frost, wind and sun and as follows:
 - .1 For bare root plant material, preserve moisture around roots by heeling-in or burying roots in sand or topsoil and watering to full depth of root zone.
 - .2 For pots and containers, maintain moisture level in containers. Heel-in fibre pots.
 - .3 For balled and burlapped and wire basket root balls, place to protect branches from damage. Maintain moisture level in root zones.
- .5 Store and manage hazardous materials in accordance with manufacturer's written instructions.

1.9 WARRANTY

- .1 Contractor hereby warrants that plant material as itemized on plant list will remain free of defects for 1 full growing season.
- .1 End-of-warranty inspection will be conducted by Consultant.
- .2 Consultant reserves the right to extend Contractor's warranty responsibilities for an additional one year if, at end of initial warranty period, leaf development and growth is not sufficient to ensure future survival.

Part 2 Products

2.1 PLANTING BEDS AND PLANTING SOIL

- .1 Planting bed depth shall be 450mm unless otherwise indicated.
- .2 Soil shall be as specified in Section CW 3540 - Topsoil and Finish Grading for establishment of turf areas.

2.2 PLANT MATERIAL

- .1 Type of root preparation, sizing, grading and quality: comply to Canadian Nursery Stock Standards, latest edition.
 - .1 Source of plant material: grown in Zone 2 (a or b) or 3 (a or b) will be accepted. Nursery stock that has grown in plant hardiness zones 1 and 4 or greater will be rejected.
 - .2 Plant material must be planted in zone specified as appropriate for its species.
 - .3 Plant material in location appropriate for its species.
- .2 Plant material: free of disease, insects, defects or injuries and structurally sound with strong fibrous root system.
- .3 Collected stock by trained individuals: maximum 40 mm in caliper, with well-developed crowns and characteristically branched; no more than 40% of overall height may be free of branches.
 - .1 During collection, ensure 10% maximum seed crop (or plants) are collected from healthy population of many individuals, and from several plants of same species.
 - .2 Leave remainder for natural dispersal and as food for dependent organisms.
- .4 Do not deliver more plants to the site than there is space with adequate storage conditions. Provide a suitable remote staging area for plants and other supplies.
- .5 Provide protective covering over all plants during transportation to prevent wind burn.

2.3 WATER

- .1 Free of impurities that would inhibit plant growth.

2.4 FERTILIZER

- .1 Synthetic commercial type as recommended by manufacturer

2.5 MULCH

- .1 Shredded wood: varying in size from 25 to 125 mm in length, from coniferous trees. Shredded wood shall be free of leaves and any branches greater than 75 mm long and 20 mm thick.

2.6 LANDSCAPE EDGING

- .1 Extruded Aluminum Edging: Permaloc CleanLine
 - .1 Size: 3.2mm X 102mm high X 2440mm lengths
 - .2 Colour: Mill Finish
 - .3 Stakes: 305 mm length extruded aluminum.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify conditions of substrate previously installed under other Sections or Contracts are acceptable for planting installation.
 - .1 Visually inspect substrate.
 - .2 Inform Consultant of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied.

3.2 PRE-PLANTING PREPARATION

- .1 Remove damaged roots and branches from plant material.
- .2 Locate and protect utility lines.
- .3 Notify and acquire written acknowledgement from utility authorities before beginning excavation of planting pits for shrubs.

3.3 EXCAVATION AND PREPARATION OF PLANTING BEDS

- .1 Establishment of sub-grade for planting beds in accordance with Section CW 3170 – Earthwork and Grading.
- .2 Preparation of planting beds in accordance with Section CW 3540 - Topsoil and Finish Grading for Establishment of Turf Areas.
- .3 For individual planting holes:
 - .1 Only when noted on Drawings, stake out location and obtain approval from Consultant prior to excavating.
 - .2 Excavate to depth and width as indicated.
 - .3 Remove subsoil, rocks, roots, debris and toxic material from excavated material that will be used as planting soil for individual shrubs. Dispose of excess material.
 - .4 Scarify sides of planting hole.
 - .5 Remove water which enters excavations prior to planting. Notify Consultant if water source is ground water

3.4 PLANTING

- .1 For container stock or root balls in non-degradable wrapping, remove entire container or wrapping without damaging root ball.
- .2 Plant vertically in locations as indicated.
 - .1 Orient plant material to give best appearance in relation to structure, roads and walks.
- .3 For grasses:
 - .1 Backfill soil in 150 mm lifts.
 - .1 Tamp each lift to eliminate air pockets.
 - .2 When two thirds of depth of planting pit has been backfilled, fill remaining space with water.
 - .3 After water has penetrated into soil, backfill to finish grade.

- .2 Form watering saucer as indicated.
- .4 For ground covers, backfill soil evenly to finish grade and tamp to eliminate air pockets.
- .5 Water plant material thoroughly.
- .6 After soil settlement has occurred, fill with soil to finish grade.

3.5 MULCH

- .1 Ensure soil settlement has been corrected prior to mulching.
- .2 Spread mulch as indicated.

3.6 MAINTENANCE DURING ESTABLISHMENT PERIOD

- .1 Perform following maintenance operations from time of planting to acceptance by Consultant.
 - .1 Water to maintain soil moisture conditions for optimum establishment, growth and health of plant material without causing erosion.
 - .1 Remove weeds regularly.
 - .2 Replace or respread damaged, missing or disturbed mulch.
 - .3 For non-mulched areas, cultivate as required to keep top layer of soil friable.
 - .4 If required to control insects, fungus and disease, use appropriate control methods in accordance with Federal, Provincial and Municipal regulations. Obtain product approval from Consultant prior to application.
 - .5 Remove dead or broken branches from plant material.
 - .6 Remove and replace dead plants and plants not in healthy growing condition. Make replacements in same manner as specified for original plantings.

3.7 MAINTENANCE PERIOD

- .1 From time of acceptance by Consultant to end of warranty period, perform following maintenance operations.
 - .1 Water to maintain soil moisture conditions for optimum growth and health of plant material without causing erosion.
 - .2 Reform damaged watering saucers.
 - .3 Remove weeds regularly.
 - .4 Replace or respread damaged, missing or disturbed mulch.
 - .5 For non-mulched areas, cultivate monthly to keep top layer of soil friable.
 - .6 Apply fertilizer in early spring as indicated by soil test.
 - .7 Remove dead, broken or hazardous branches from plant material.
 - .8 Remove and replace dead plants and plants not in healthy growing condition. Make replacements in same manner as specified for original plantings.
 - .9 Submit monthly written reports to Consultant identifying:
 - .1 Maintenance work carried out.
 - .2 Development and condition of plant material.
 - .3 Preventative or corrective measures required which are outside Contractor's responsibility.
 - .10 Coordinate with Owner for access during maintenance period.

3.8 ACCEPTANCE

- .1 Total Performance shall be granted at the end of the maintenance period.

3.9 WARRANTY PERIOD

- .1 The Warranty Period of one (1) year shall commence at Substantial Performance. Plant material shall be replaced as instructed by the Contract Administrator. All plant 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 year Warranty/Maintenance, which will commence on the date of replacement.

3.10 CLOSEOUT ACTIVITIES

- .1 Submit maintenance reports for shrubs, and other plantings.

END OF SECTION