



PLANT LIST - TREES, SHRUBS AND VINES. POTTED AND WHIP MATERIAL.

Est Total Qty Work Area B	Botanic/Common Name	Size	Shrub Bed 2A 2B 3A 3B 4A	Planting Notes:
Potted and Whip Material				
4	<i>Acer negundo</i> Manitoba maple	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	4	Randomly located throughout bed
44	<i>Amelanchier alnifolia</i> Saskatoon	Whip - 300mm to 450 ht. min., 1 litre pot min.	40 4	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
23	<i>Amorpha fruticosa</i> False indigo bush	Potted - 2 gal. 450ht. min., 5 basal branches	21 2	Randomly located throughout bed
21	<i>Amorpha fruticosa</i> False indigo bush	Whip - 300mm to 450 ht. min., 1 litre pot min.	19 2	Randomly located throughout bed
3	<i>Celastrus scandens</i> Bittersweet	Pot - 1 gal, 2 year plant	2 1	Randomly located throughout bed
10	<i>Cornus stolonifera</i> Red osier dogwood	Potted - 5 gal. 900ht. min., 5 basal branches	5 5	3 to 7 plants per grouping at 400 to 1000mm o.c. - mix sizes
20	<i>Cornus stolonifera</i> Red osier dogwood	Potted - 2 gal. 450ht. min., 5 basal branches	12 6	3 to 7 plants per grouping at 400 to 1000mm o.c. - mix sizes
14	<i>Cornus stolonifera</i> Red osier dogwood	Whip - 300mm to 450 ht. min., 1 litre pot min.	11 3	3 to 7 plants per grouping at 400 to 1000mm o.c. - mix sizes
33	<i>Corylus cornuta</i> Beaked hazelnut	Whip - 300mm to 450 ht. min., 1 litre pot min.	30 3	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
33	<i>Crataegus melanocarpa</i> Hawthorn	Whip - 300mm to 450 ht. min., 1 litre pot min.	30 3	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
33	<i>Eleaenus commutata</i> Wolf willow	Whip - 300mm to 450 ht. min., 1 litre pot min.	30 3	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
5	<i>Fraxinus nigra</i> Black ash	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	5	Randomly located throughout bed
4	<i>Fraxinus pennsylvanica</i> Green ash	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	4	Randomly located throughout bed
2	<i>Parthenocissus quinquefolia</i> Virginia creeper	Pot - 1 gal, 2 year plant	1 1	Randomly located throughout bed
4	<i>Populus balsamifera</i> Balsam Poplar	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	4	Randomly located throughout bed
15	<i>Populus tremuloides</i> Trembling Aspen	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	15	Randomly located throughout bed
21	<i>Prunus pensylvanica</i> Pincherry	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	12 9	Randomly located throughout bed
25	<i>Prunus virginiana</i> Chokecherry	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	16 9	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
7	<i>Quercus macrocarpa</i> Bur oak	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	7	Randomly located throughout bed
37	<i>Ribes americanum</i> Wild currant	Whip - 300mm to 450 ht. min., 1 litre pot min.	24 13	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
8	<i>Ribes oxycanthoides</i> Northern gooseberry	Potted - 2 gal. 450ht. min., 5 basal branches	7 1	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
34	<i>Ribes oxycanthoides</i> Northern gooseberry	Whip - 300mm to 450 ht. min., 1 litre pot min.	30 4	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
13	<i>Rosa acicularis</i> Prickly rose	Potted - 2 gal. 450ht. min., 5 basal branches	10 3	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
44	<i>Rosa acicularis</i> Prickly rose	Whip - 300mm to 450 ht. min., 1 litre pot min.	40 4	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
11	<i>Rubus idaeus</i> Raspberry	Whip - 300mm to 450 ht. min., 1 litre pot min.	10 1	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
635	<i>Salix exigua</i> Sandbar willow	Whip - 300mm to 450 ht. min., 1 litre pot min.	635	2 Lines staggered at 450mm o.c. (Refer to DTL. 1, SHT. 2)
6	<i>Sherpherdia argentea</i> Buffalo berry	Potted - 5 gal. 900ht. min., 5 basal branches	4 2	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
12	<i>Sherpherdia argentea</i> Buffalo berry	Whip - 300mm to 450 ht. min., 1 litre pot min.	8 4	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
25	<i>Symphoricarpos occidentalis</i> Western Snowberry	Potted - 2 gal. 450ht. min., 5 basal branches	21 4	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
49	<i>Symphoricarpos occidentalis</i> Western Snowberry	Whip - 300mm to 450 ht. min., 1 litre pot min.	43 6	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
7	<i>Tilia americana</i> Basswood	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	7	Randomly located throughout bed
14	<i>Viburnum lentago</i> Nannyberry	Potted - 2 gal. 450ht. min., 5 basal branches	10 4	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
16	<i>Viburnum lentago</i> Nannyberry	Whip - 300mm to 450 ht. min., 1 litre pot min.	10 6	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
25	<i>Viburnum ralinquinatum</i> Downy Arrowwood	Potted - 5 gal. 900ht. min., 5 basal branches	7 5 12 1	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
34	<i>Viburnum ralinquinatum</i> Downy Arrowwood	Whip - 300mm to 450 ht. min., 1 litre pot min.	9 7 16 2	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
14	<i>Viburnum trilobum</i> Highbush Cranberry	Potted - 5 gal. 900ht. min., 5 basal branches	7 7	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
10	<i>Viburnum trilobum</i> Highbush Cranberry	Whip - 300mm to 450 ht. min., 1 litre pot min.	5 5	3 to 6 plants per grouping at 400 to 750mm o.c. - mix sizes
4	<i>Ulmus americana</i> American elm	Whip - 750mm - 1000mm ht. min., 1 litre pot min.	4	Randomly located throughout bed
Total Potted & Whip Plant Material by Type of Bed			168 87 384 45 635	
Total Bed Size			210 145 480 75 115	(m ²)
Bed Finish			ECB ECB ECB ECB ECB	
			ECB = Erosion Control Blanket	

PLANT LIST - GRASSES AND WILDFLOWERS

UPPER BANK (3B, 3C)

- GRASSES** (1.0 kg / 100 m²) (580 m²)
- 5% Western Wheat Grass *Agropyron smithii*
 - 10% Awned Wheat Grass *Agropyron subsecundum*
 - 10% Slender Wheat Grass *Agropyron trachycaulum*
 - 15% Big Bluestem *Andropogon gerardi*
 - 10% Canada Wild Rye *Elymus canadensis*
 - 25% Switch Grass *Panicum vergatum*
 - 10% Indian Grass *Sorghastrum nutans*
- and shall include 15% of the following:
- WILD FLOWERS**
- Baneberry *Actaea rubra*
 - Hog-peanut *Amphicarpa bracteata*
 - Canada Anemone *Anemone canadensis*
 - Long Fruited Anemone *Anemone cylindrical*
 - Wild Columbine *Aquilegia canadensis*
 - Wild Sarsaparilla *Aralia nudicaulis*
 - Smooth Aster *Aster laevis*
 - New England Aster *Aster novae-angliae*
 - Western Canada Violet *Monarda fistulosa*
 - Sweet Cicely *Osmorhiza chilensis*
 - Solomon's Seal *Polygonatum canaliculatum*
 - Star Flowered Solomon's Seal *Smilacina stellata*
 - Tall Meadow Rue *Thalictrum dasycarpum*
 - Northern Bog Violet *Viola cucullata*
 - Downy Yellow Violet *Viola pubescens*

- MID BANK (2B, 2C)**
- GRASSES** (1.0 kg / 100 m²) (145 m²)
- 40% Slender Wheat Grass *Agropyron trachycaulum*
 - 20% Switch Grass *Panicum vergatum*
- and shall include 5 to 8%, each of the following:
- Awned Wheat Grass *Agropyron subsecundum*
 - Rough Hair Grass *Agrostis scabra*
 - Slough Grass *Beckmannia syzigachne*
 - Northern Reed Grass *Calamagrostis canadensis*
 - Whitetop *Erigeron annuus*
 - Alkali Cord Grass *Spartina gracilis*
 - Prairie Cord Grass *Spartina pectinata*

SOIL AMENDMENTS (REFER TO DTLS 2 & 3, SHT 1)

- 1. IN ALL GRASS AREAS**
- 15mm OF SAND AND 35mm OF PEAT MOSS TO BE ROTOTILLED INTO THE TOP 100mm OF EXISTING CLAY
- 2. IN ALL SHRUB AND / OR TREE AREAS**
- 25mm OF SAND AND 75mm OF PEAT MOSS TO BE ROTOTILLED INTO THE TOP 200mm OF EXISTING CLAY

LEGEND

- (Circle with dot) EXISTING TREE
- (Circle with cloud) EXISTING BUSH
- (Box with 3A) UPPER BANK TREES AND SHRUBS (ECB)
- (Box with 2A) MID-BANK TREES AND SHRUBS (ECB)
- (Box with 3B) UPPER BANK SHRUBS AND GRASSES AND WILD FLOWERS (ECB)
- (Box with 2B) MID-BANK SHRUBS AND GRASSES (ECB)
- (Box with +3C) UPPER BANK GRASSES AND WILD FLOWERS (ECB)
- (Box with 4A) WILLOWS (ECB)
- (Box with cross-hatch) BED FINISH
- ECB = EROSION CONTROL BLANKET

UMA REVIEW

APGM
Certificate of Authorization
UMA Engineering Ltd. (MB)
No. 256 Date: Feb 29/08

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. U/G STRUCTURES	DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

DESIGNED BY	CHECKED BY		
LJV			
DRAWN BY	APPROVED BY		
LJV			
HOR. SCALE	RELEASED FOR CONSTRUCTION		
1:500			
VERT. SCALE	DATE		
NA	07/12/21		
NO.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	08/02/28	LJV

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PROFESSIONAL'S SEAL
The Manitoba Association of Landscape Architects
DONALD K. HESTER
member no. 32
CONSULTANT DRAWING NO. 002
0265-390-00

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

St. Vital Park Riverbank Stabilization Works

LANDSCAPE PLAN - WORK AREA B
STATION 5+86 TO STATION 7+44

SHEET 3 OF 3
CITY DRAWING NUMBER REV
S.15-BD-2 0

BID OPPORTUNITY 898-2007