Detailed Project Description

The St. James BiZ is a non-profit organization mandated with the beautification of the St. James business community. The Biz on Portage Avenue is a high traffic area which is the entrance to the St. James Assiniboia. The purpose of the project is to create a welcoming walking corridor down Portage Avenue which will encourage community members and business patrons to enjoy the area. The projected user groups are seniors, adults and children. The area has a residence base of 10,000 people with over 5,100 residences. St. James Village Biz is the entrance/exit to Centre Port down Berry Street and connects the bike path that approaches Portage Avenue. We would like to create an inviting, safely lit, walking corridor under a Living Canopy of trees and seasonal displays revitalizing the St. James Village.

The project will result in the capital improvement of the area through the construction of 10 permanent plazas on the north side of Portage Ave. Each plaza will include 2 live trees with concrete planters and 2 seating benches which will accommodate annual planting and bushes. Between each plaza will sit 3 metal trees which will be refurbished and outfitted with new LED lighting. The plazas and live trees will have a connecting conduit to supply electrical outlets for seasonal displays and lighting elements.

Project description:

1. The purpose of the project is to create a welcoming walking corridor down Portage Avenue which will encourage community and patrons enjoy the area. St. James Village Biz is the entrance/exit to Centre Port down Berry Street and connects the bike path which approaches Portage Avenue.
   The Living Canopy project is to create a walking corridor down the North Side of Portage Avenue where the community and visiting patrons can walk under the Canopy of live trees, planting beds and seating benches. There will be 10 plazas and 2 live trees and 2 seating benches which will accommodate annual planting and buses. Between plaza will sit 3 metal trees which will be outfitted with new LED lighting and refurbishment. The plazas and live trees will have a connecting conduit to supply electrical outlets for seasonal displays and lighting elements. The organization would like to create a welcoming entrance from the Centre Port and St. James Assiniboia community. The new lighting on the metal trees will provide a lit walking path for the residents and visitors to enjoy on evening strolls, connecting Assiniboine Crescent and Portage Avenue.
2. The organization is governed by 8 Business members within the St James Business Improvement Zone Board of Directors meeting monthly on a volunteer basis representing the interests of 100 local member organizations. The local City Councillor, Scott Fielding and the City of Winnipeg BIZ representative, Martin Pasieczka are appointed City representatives supporting the development of St James Village Biz and our projects.

3. We would like create an inviting safely lit walking corridor under a Living Canopy of trees and seasonal displays revitalizing St. James Village. The Biz zone on Portage Avenue is a high traffic area which is the entrance to the St. James Assiniboia, the area needs a fresh new face.
   The projected user group is seniors, adults and children a residence base of 10,000 persons over 5,100 residences.

4. The project is managed by Scatliff, Miller& Murray who have solicited a Request for Proposals on this project from six local construction contractors: JC Paving, JD Penner, OB1 Contracting, Tony's Concrete, Lakefront Restorers, Sturgeon Construction. Of which we only received a Quote from JD Penner due to specialized nature of project and time frame required.
5. The operating budget 2012-2013 $113,405. The operating costs will be supported through the annual approved Levy fees budget allocation for streetscaping expenses.

Organization Information:

1. The purpose of the organization is to maintain the area from St James Street to Truro along Portage Avenue business zone. Our organization maintains an active graffiti removal program along Portage and Ness from St James Street thru to Overdale Street. From May thru October, the St James BIZ employs three students to maintain the plantings, garbage removal, beautification, and graffiti removal. We take pride in the streetscape with flower plantings.
2. The organization is governed by 8 Business members within the St James Business Improvement Zone Board of Directors meeting monthly on a volunteer basis. On a monthly basis two volunteer sub committees meet regarding marketing and streetscape initiatives. Each committee has at least 5 representative from BIZ organizations and community.
3. For the 100 BIZ members and the geographical location from St James Street to Truro Street the organization provides marketing support, community news, street cleaning, maintenance and street beautification. For the same BIZ geographical location as well as expanded sections of Ness Avenue and Portage Avenue up to Overdale Avenue and local community centre and parks, the organization provides graffiti removal services in conjunction with City of Winnipeg.
4. The major funders are the City of Winnipeg Graffiti grant and the Levy on the Business members in the Business Improvement Zone.

ST. JAMES BIZ

CONSTRUCTION PACKAGE

July, 2013

Drawing Index

GENERAL

G01	COVER SHEET

LANDSCAPE

L01	AREA OF WORK
L02	LAYOUT PLAN 1
L03	LAYOUT PLAN 2
L04	LAYOUT PLAN 3
L05	SEATING PLAZA LAYOUT & DETAILS
L06	SILVA CELL LAYOUT
L07	SILVA CELL DETAILS
L08	SPECIFICATIONS

Items of Work

BASE TENDER

- 7 Seating/Tree Plazas
- Removal of Steel Trees and required sidewalk repair
- Re-installation of Steel Trees

SEPARATE PRICE ITEMS

- 3 Seating/Tree Plazas
- Removal and Re-installation of one (1) archway at West end of BIZ
- Supply and installation of conduit for future electrical



1 / L1 LOCATION OF WORK

SCALE - 1 : 2500 @ 22X34
SCALE - 1 : 5000 @ 11X17

NOTES:

RPV	YY / MM / DD	DESCRIPTION	BY

A. SECTION LETTER OR DETAIL NUMBER.
B. DRAWING WHERE SECTION OR DETAIL IS DRAWN

OR

A. DRAWING WHERE SECTION OR DETAIL IS INDICATED.
— SECTION OR DETAIL SHOWN ON SAME DRAWING.

B / A — A / —

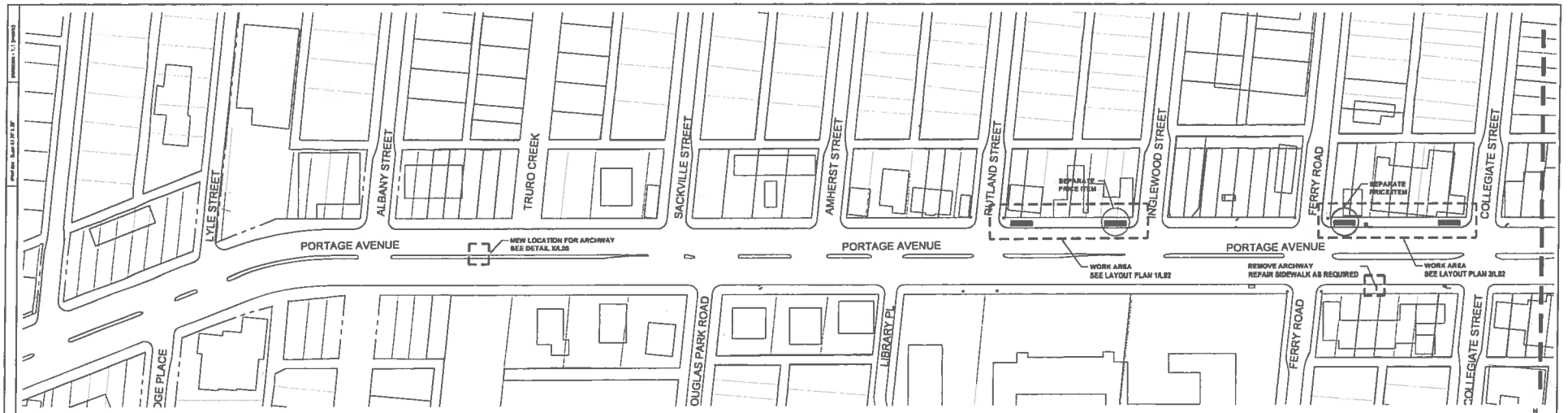
CLIENT: ST. JAMES BIZ

PROJECT: LIVING CANOPY STREETSCAPE PROJECT

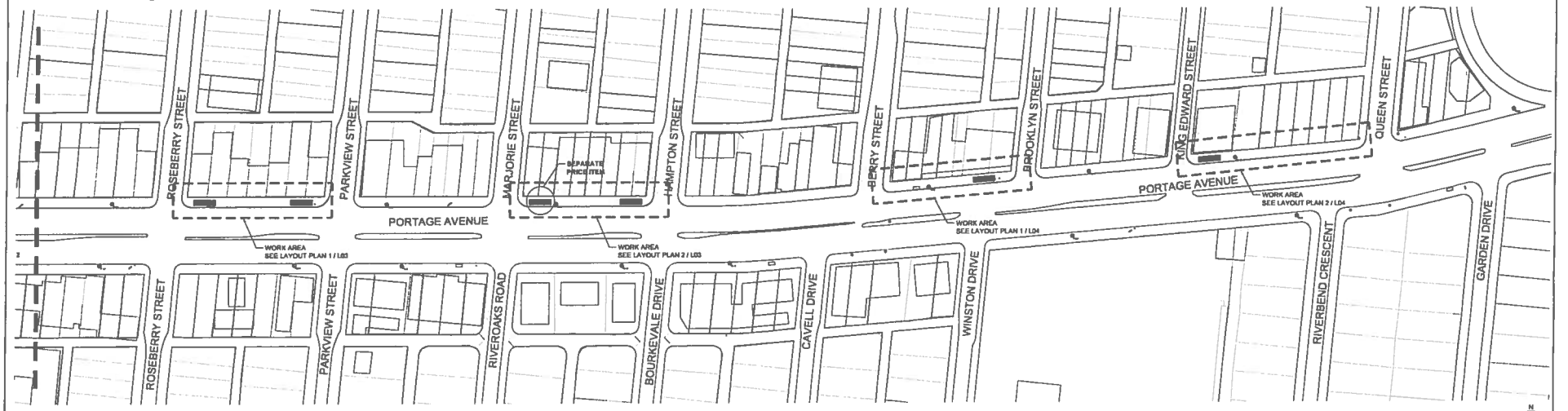
TITLE: AREA OF WORK

SCATLIFF+MILLER+MURRAY INC.

DESIGN	DRAWN	DATE - Y / M / D	SCALE
NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	G01



1 L1 AREA OF WORK
SCALE - 1 : 1000 @ 22X34
SCALE - 1 : 2000 @ 11X17



2 L1 AREA OF WORK
SCALE - 1 : 1000 @ 22X34
SCALE - 1 : 2000 @ 11X17

NOTES:

- ALL SIDEWALK CONDITIONS TO REFERENCE C.O.W. SPECIFICATIONS
- MAKE GOOD ALL SIDEWALK CONDITIONS
- GRADE TO MATCH EXISTING CONDITIONS
- LAYOUT TO BE STAKED OUT AND APPROVED BY L.A.
- REUSE BREAKAWAY BASES WHERE POSSIBLE

LEGEND

- REMOVE EXISTING METAL TREE (18)
- LOCATION OF RELOCATED METAL TREE (18)
- TRAFFIC LIGHT
- FIRE HYDRANT

REV	YY / MM / DD	DESCRIPTION	BY

A. SECTION LETTER OR DETAIL NUMBER.
B. DRAWING NO. OF REF. SECTION OR DETAIL ON DRAWING.

OR

A. DRAWING WHERE SECTION OR DETAIL IS INDICATED
B. SECTION OR DETAIL SHOWN ON SAME DRAWING

SEAL

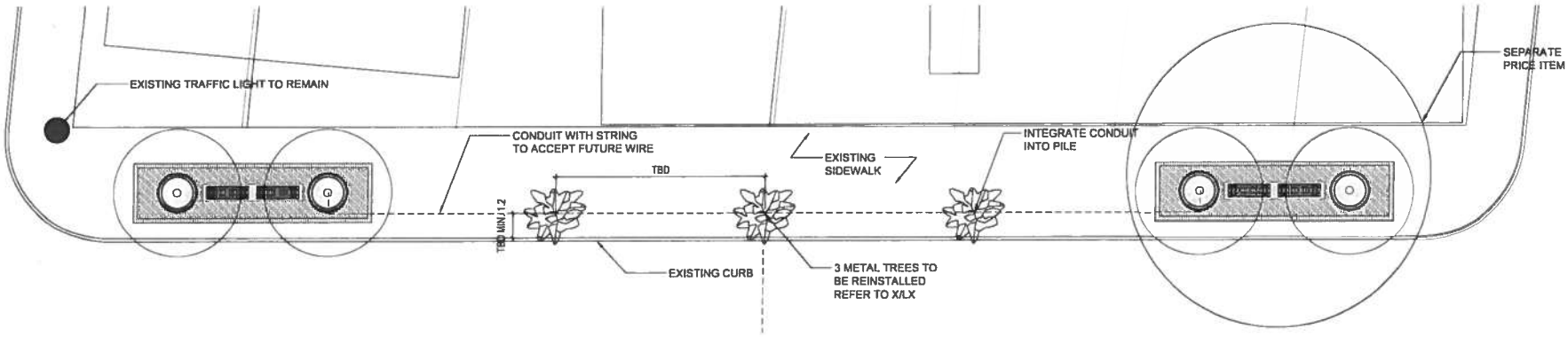
CLIENT: ST. JAMES BIZ

SCATLIFF + MILLER + MURRAY INC.
TEL 204 927-3444
FAX 204 927-3442
1128 - 391 PORTAGE AVENUE
WINNIPEG, MB, CANADA

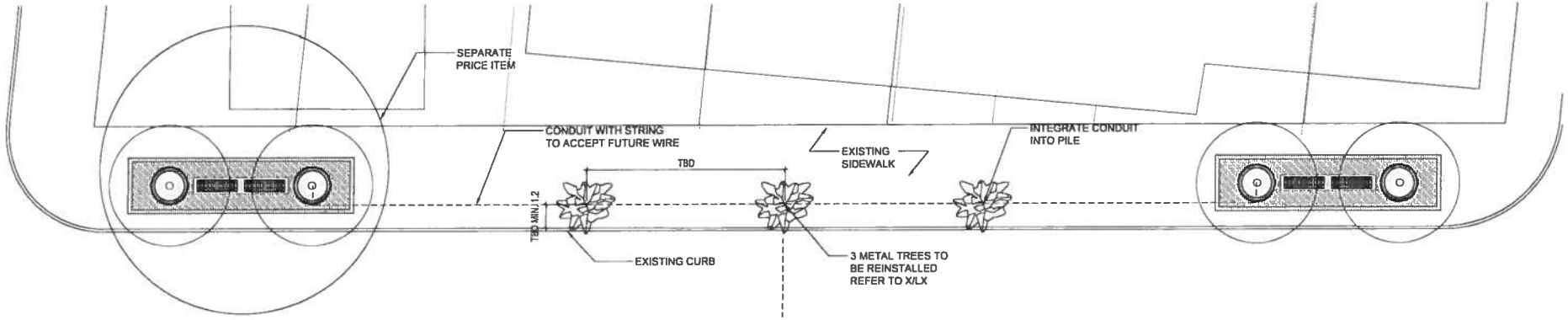
PROJECT: LIVING CANOPY STREETSCAPE PROJECT

TITLE: AREA OF WORK

DESIGN	DRAWN	DATE - Y / M / D	SCALE
NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	L01



1 / L02 SEATING PLAZA
RUTLAND ST. TO INGLEWOOD ST.
SCALE - 1 : 100 @ 22X34
SCALE - 1 : 200 @ 11X17



2 / L02 SEATING PLAZA
FERRY RD. TO COLLEGIATE ST.
SCALE - 1 : 100 @ 22X34
SCALE - 1 : 200 @ 11X17

NOTES:
- ALL SIDEWALK CONDITIONS TO REFERENCE C.O.W. SPECIFICATIONS
- MAKE GOOD ALL SIDEWALK CONDITIONS
- GRADE TO MATCH EXISTING CONDITIONS
- LAYOUT TO BE STAKED OUT AND APPROVED BY L.A.
- REUSE BREAKAWAY BASES WHERE POSSIBLE

LEGEND
- REMOVE EXISTING METAL TREE (18)
- LOCATION OF RELOCATED METAL TREE (18)
- TRAFFIC LIGHT
- FIRE HYDRANT

REV	YY / MM / DD	DESCRIPTION	BY

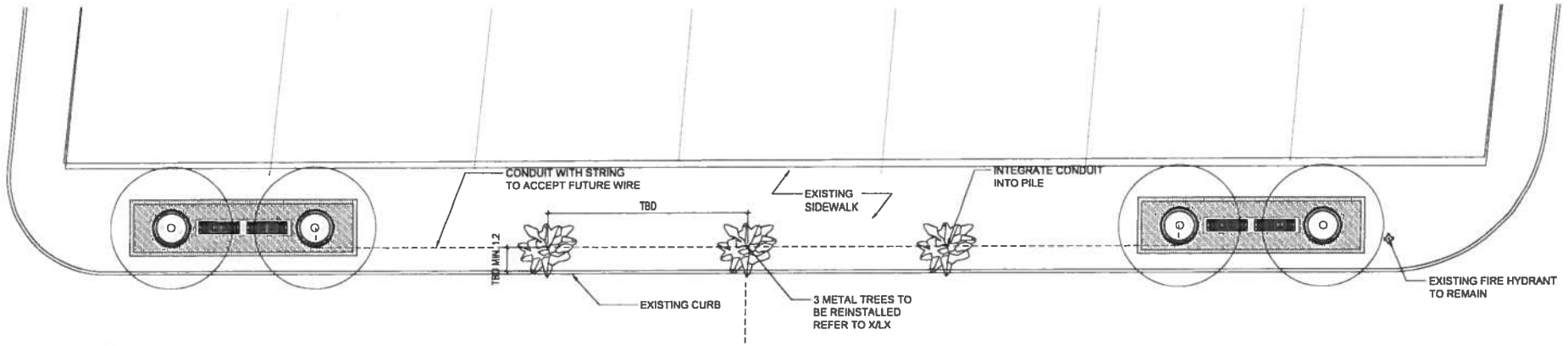
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B. DRAWING WHERE SECTION OR DETAIL IS DRAWN.
OR
A. DRAWING WHERE SECTION OR DETAIL IS INDICATED.
— SECTION OR DETAIL SHOWN ON SAME DRAWING.

CLIENT: ST. JAMES BIZ

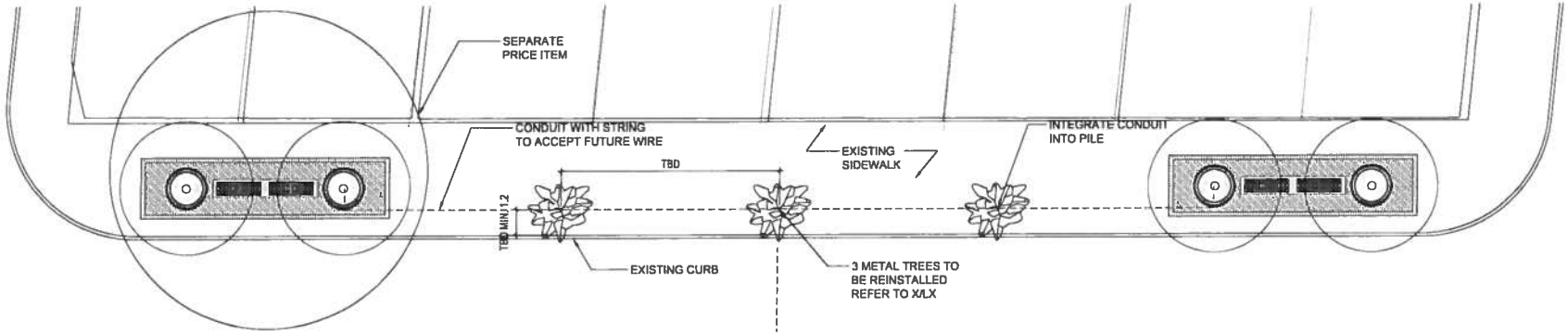
SCATLIFF + MILLER + MURRAY
TEL 204 927-2444
FAX 204 927-2445
1139 - 351 PORTAGE AVENUE
WINNIPEG, MB, CANADA

PROJECT: LIVING CANOPY STREETSCAPE PROJECT
TITLE: DETAILED LAYOUT PLAN

DESIGN	DRAWN	DATE - Y / M / D	SCALE
NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	L02



1 / L03 SEATING PLAZA
ROSEBERRY ST. TO PARKVIEW ST.
SCALE - 1 : 100 @ 22X34
SCALE - 1 : 200 @ 11X17



2 / L03 SEATING PLAZA
MARJORIE ST. TO HAMPTON ST.
SCALE - 1 : 100 @ 22X34
SCALE - 1 : 200 @ 11X17

NOTES:

- ALL SIDEWALK CONDITIONS TO REFERENCE C.O.W. SPECIFICATIONS
- MAKE GOOD ALL SIDEWALK CONDITIONS
- GRADE TO MATCH EXISTING CONDITIONS
- LAYOUT TO BE STAKED OUT AND APPROVED BY L.A.
- REUSE BREAKAWAY BASES WHERE POSSIBLE

LEGEND

- REMOVE EXISTING METAL TREE (18)
- LOCATION OF RELOCATED METAL TREE (18)
- TRAFFIC LIGHT
- FIRE HYDRANT

REV	YY / MM / DD	DESCRIPTION	BY

A. SECTION LETTER OR DETAIL NUMBER,
B. DRAWING WHERE SECTION OR DETAIL IS DRAWN

OR

A. DRAWING WHERE SECTION OR DETAIL IS INDICATED.
— SECTION OR DETAIL SHOWN ON SAME DRAWING

B / A — —

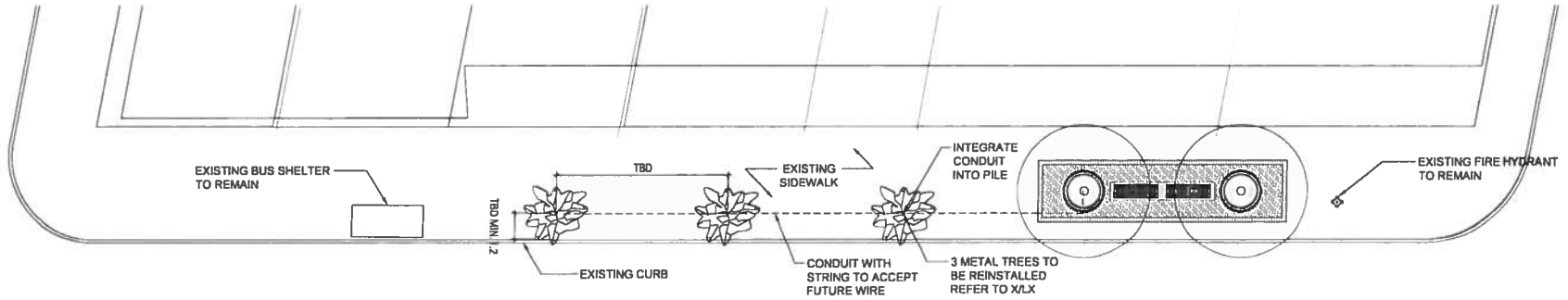
CLIENT: ST. JAMES BIZ

SCATLIFF + MILLER + MURRAY INC.
TEL 204 837-2444
FAX 204 837-3442
1539 - 321 PORTAGE AVENUE
WINNIPEG, MB CANADA

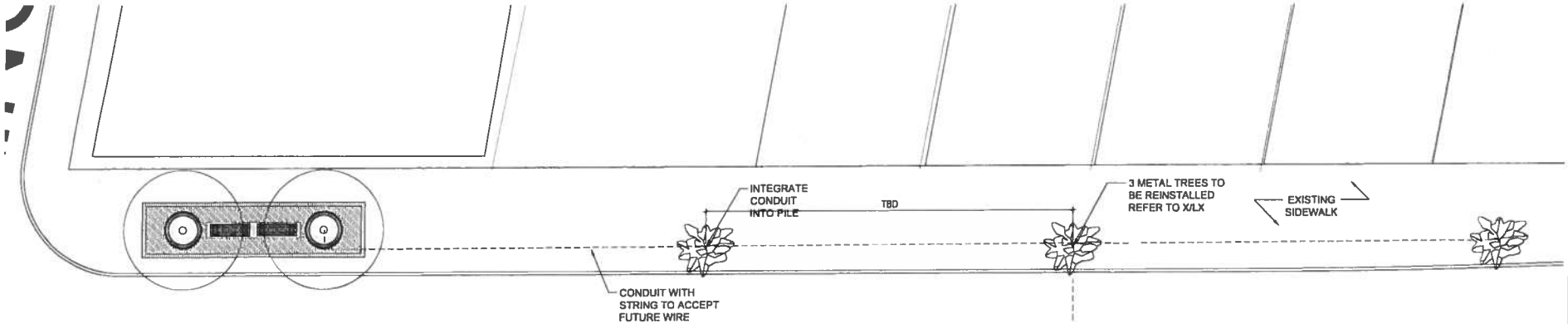
PROJECT: LIVING CANOPY
STREETSCAPE PROJECT

TITLE: DETAILED LAYOUT PLAN

DESIGN	DRAWN	DATE - Y / M / D	SCALE
NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	L03



1 / L04 SEATING PLAZA
BERRY ST. TO BROOKLYN ST.
SCALE - 1 : 100 @ 22X34
SCALE - 1 : 200 @ 11X17



2 / L04 SEATING PLAZA
KING EDWARD ST. TO QUEEN ST.
SCALE - 1 : 100 @ 22X34
SCALE - 1 : 200 @ 11X17

NOTES:

- ALL SIDEWALK CONDITIONS TO REFERENCE C.O.W. SPECIFICATIONS
- MAKE GOOD ALL SIDEWALK CONDITIONS
- GRADE TO MATCH EXISTING CONDITIONS
- LAYOUT TO BE STAKED OUT AND APPROVED BY L.A.
- REUSE BREAKAWAY BASES WHERE POSSIBLE

LEGEND

- REMOVE EXISTING METAL TREE (18)
- LOCATION OF RELOCATED METAL TREE (18)
- TRAFFIC LIGHT
- FIRE HYDRANT

REV	YY / MM / DD	DESCRIPTION	BY

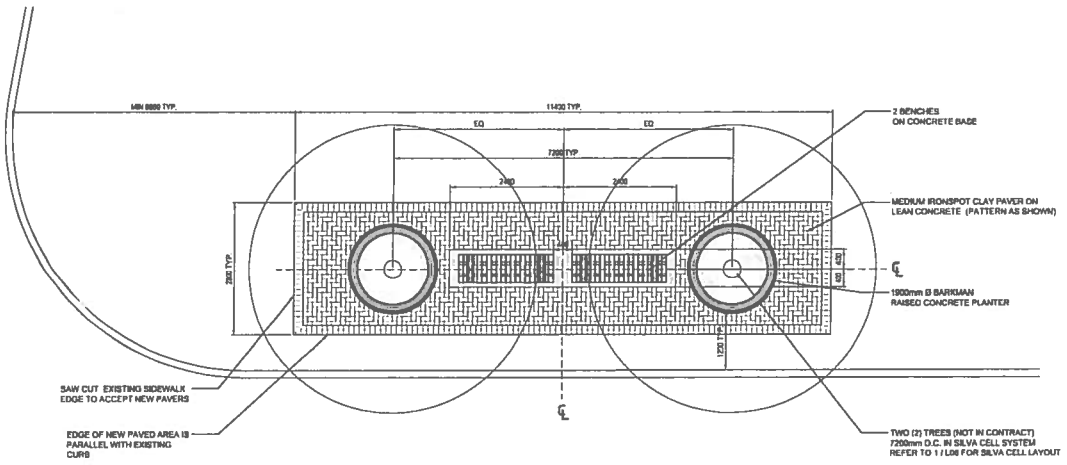
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OR
A. DRAWING WHERE SECTION OR DETAIL IS INDICATED, B. SECTION OR DETAIL SHOWN ON SAME DRAWING.

CLIENT: ST. JAMES BIZ

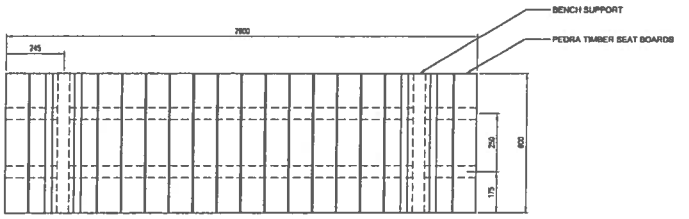
PROJECT: LIVING CANOPY STREETSCAPE PROJECT
TITLE: DETAILED LAYOUT PLAN

SCATLIFF + MILLER + MURRAY INC.

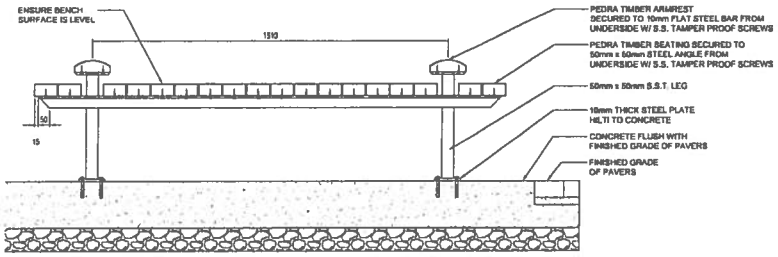
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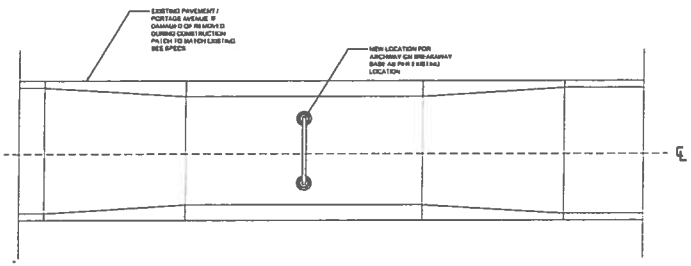
1 / L05 SEATING PLAZA - TYPICAL
SCALE - 1 : 50 @ 22X34
SCALE - 1 : 100 @ 11X17



1 / L05 CUSTOM BENCH - PLAN VIEW
SCALE - 1 : 20 @ 22X34
SCALE - 1 : 40 @ 11X17

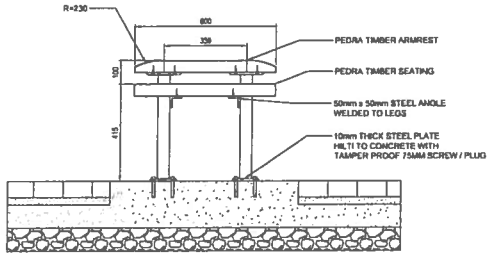


1 / L05 CUSTOM BENCH - SECTION A
SCALE - 1 : 10 @ 22X34
SCALE - 1 : 20 @ 11X17





3 / L05 ARCHWAY RELOCATION (SEPARATE PRICE ITEM)
SCALE - 1 : 50 @ 22X34
SCALE - 1 : 100 @ 11X17



NOTE: ALL STEEL TO BE 2 PART EPOXY PAINTED BLACK

1 / L05 CUSTOM BENCH - SECTION B
SCALE - 1 : 10 @ 22X34
SCALE - 1 : 20 @ 11X17

NOTES:
- ALL SIDEWALK CONDITIONS TO REFERENCE C.O.W. SPECIFICATIONS
- MAKE GOOD ALL SIDEWALK CONDITIONS
- GRADE TO MATCH EXISTING CONDITIONS
- LAYOUT TO BE STAKED OUT AND APPROVED BY L.A.
- REUSE BREAKAWAY BASES WHERE POSSIBLE

LEGEND
- REMOVE EXISTING METAL TREE (18)
- LOCATION OF RELOCATED METAL TREE (18)
- TRAFFIC LIGHT
- FIRE HYDRANT

BY	YY / MM / DD	DESCRIPTION	BY

A. SECTION / LETTER OR DETAIL NUMBER, B. DRAWING WHERE SECTION OR DETAIL IS DRAWN
OR
A. DRAWING WHERE SECTION OR DETAIL IS INDICATED, B. SECTION OR DETAIL SHOWN ON SAME DRAWING

B / A — A / —

B1-A1

CLIENT: ST. JAMES BIZ

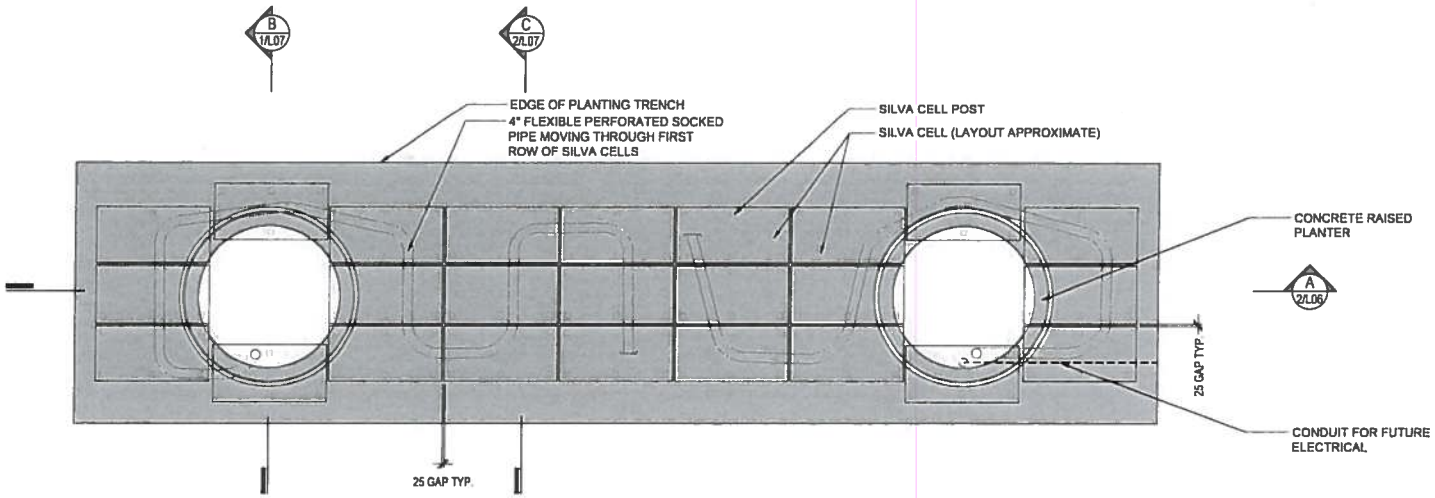
SCATLIFF + MILLER + MURRAY Inc.
111 280 927-3443 | FAX 280 927-3443 | 1139 - 301 PORTAGE AVE MB | WINNIPEG MB CANADA

PROJECT: LIVING CANOPY STREETSCAPE PROJECT
TITLE: SEATING PLAZA LAYOUT & DETAILS

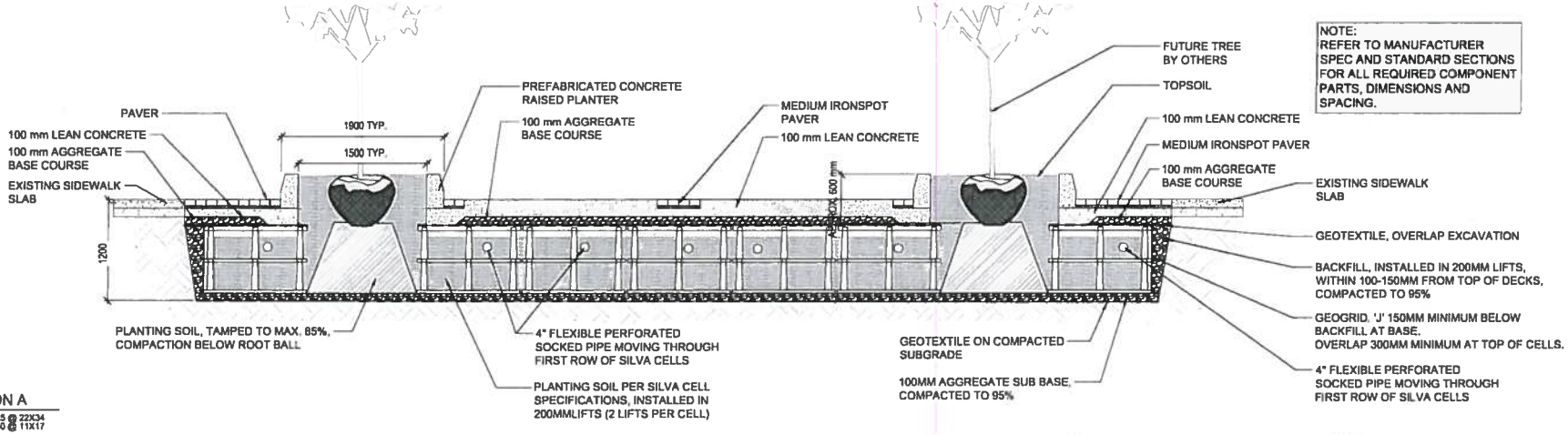
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NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	L05

NOTE:
44 SILVA CELLS IN TWO ROWS (TOTAL 44 FRAMES AND 22 DECKS)

REFER TO MANUFACTURER SPEC AND STANDARD SECTIONS FOR ALL REQUIRED COMPONENT PARTS, DIMENSIONS AND SPACING.



1 L06 SILVA CELL LAYOUT - TYPICAL
SCALE - 1 : 25 @ 22X34
SCALE - 1 : 50 @ 11X17



NOTE:
REFER TO MANUFACTURER SPEC AND STANDARD SECTIONS FOR ALL REQUIRED COMPONENT PARTS, DIMENSIONS AND SPACING.

2 L06 SECTION A
SCALE - 1 : 25 @ 22X34
SCALE - 1 : 50 @ 11X17

NOTES:
- ALL SIDEWALK CONDITIONS TO REFERENCE C.O.W. SPECIFICATIONS
- MAKE GOOD ALL SIDEWALK CONDITIONS
- GRADE TO MATCH EXISTING CONDITIONS
- LAYOUT TO BE STAKED OUT AND APPROVED BY L.A.
- REUSE BREAKAWAY BASES WHERE POSSIBLE

LEGEND
- REMOVE EXISTING METAL TREE (18)
- LOCATION OF RELOCATED METAL TREE (18)
- TRAFFIC LIGHT
- FIRE HYDRANT

RPV	YY MM DD	DESCRIPTION	BY

A SECTION TITLE OR DETAIL NUMBER, DRAWING WHERE SECTION OR DETAIL IS DRAWN
OR
A DRAWING WHERE SECTION OR DETAIL IS INDICATED.
SECTION OR DETAIL SHOWN ON SAME DRAWING.

CLIENT: ST. JAMES BIZ

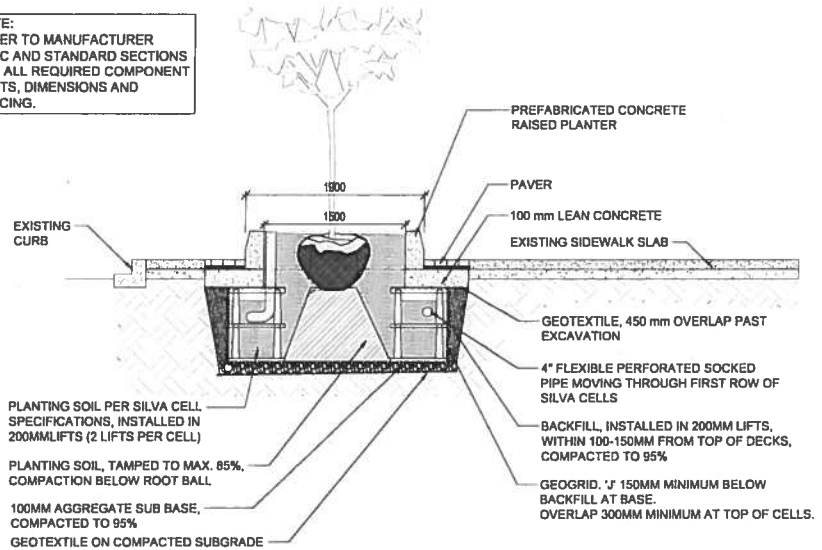
PROJECT: LIVING CANOPY STREETSCAPE PROJECT

TITLE: SILVA CELL LAYOUT AND SECTION

SCATLIFF+MILLER+MURRAY INC.

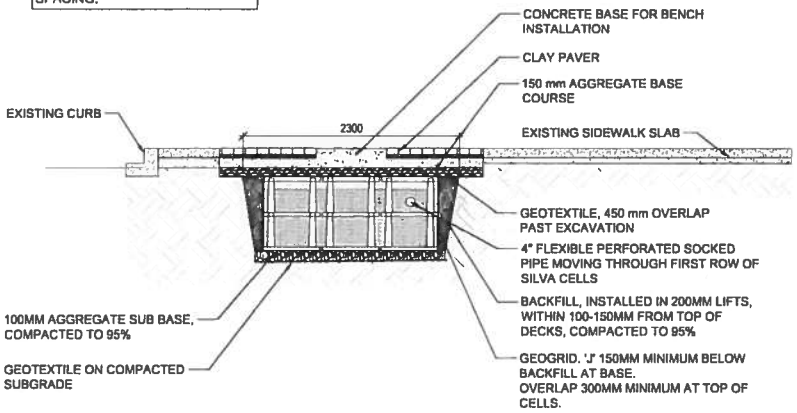
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NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	L06

NOTE:
REFER TO MANUFACTURER SPEC AND STANDARD SECTIONS FOR ALL REQUIRED COMPONENT PARTS, DIMENSIONS AND SPACING.



1 / L07 SECTION B
SCALE - 1 : 25 @ 22X34
SCALE - 1 : 50 @ 11X17

NOTE:
REFER TO MANUFACTURER SPEC AND STANDARD SECTIONS FOR ALL REQUIRED COMPONENT PARTS, DIMENSIONS AND SPACING.



2 / L07 SECTION C
SCALE - 1 : 25 @ 22X34
SCALE - 1 : 50 @ 11X17

NOTES:
- ALL SIDEWALK CONDITIONS TO REFERENCE C.O.W. SPECIFICATIONS
- MAKE GOOD ALL SIDEWALK CONDITIONS
- GRADE TO MATCH EXISTING CONDITIONS
- LAYOUT TO BE STAKED OUT AND APPROVED BY L.A.
- REUSE BREAKAWAY BASES WHERE POSSIBLE

LEGEND
- REMOVE EXISTING METAL TREE (18)
- LOCATION OF RELOCATED METAL TREE (18)
- TRAFFIC LIGHT
- FIRE HYDRANT

REV	YY / MM / DD	DESCRIPTION	BY

A. SECTION LETTER OR DETAIL NUMBER, B. DRAWING WHERE SECTION OR DETAIL IS DRAWN.
OR
A. DRAWING WHERE SECTION OR DETAIL IS INDICATED
— SECTION OR DETAIL SHOWN ON SAME DRAWING.

SEAL

CLIENT: ST. JAMES BIZ

SCATLIFF + MILLER + MURRAY INC.
111 204 837-3444
FAX 204 837-3443
1139 - 201 PORTAGE AVENUE
WINNIPEG MB CANADA

PROJECT: LIVING CANOPY STREETSCAPE PROJECT
TITLE: SILVA CELL SECTIONS

DESIGN	DRAWN	DATE - Y / M / D	SCALE
NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	L07

SPECIFICATIONS

1. EXISTING CONDITIONS

1.1. *Refer to CCW Specification CW1120 - Existing Services, Utilities and Structures, and CW1130 - Site Measurements*

2. EXCAVATION

2.1. *Refer to CCW Specification CW3030 - Excavation Bedding and Backfill - CW3030*

3. SILVA CELLS

3.1. *General*

3.1.1. The following generally describes the scope of the Section.

- Excavate and grade pit.
- Supply and install granular drainage course.
- Supply and install perforated drainage pipe where required.
- Supply and install Silva Cell base.
- Supply and install Silva Cells.
- Supply and install geotextile and geogrid.
- Supply and install planting soil.
- Supply and install backfill.
- Supply and install mulch.

3.2. *Materials*

3.2.1. Silva Cells

3.2.1.1. Silva Cell Frames: 400mm x 800mm x 1230mm (16 inches x 24 inches x 48 inches). Manufacturer: DeepRoot Partners, L.P. (Deep Root); 530 Washington Street, San Francisco, CA 94111; 415.781.8700; 800.458.7669; fax 415.781.8181; www.deeproot.com.

3.2.1.2. Silva Cell Deck: 2pm x 800mm x 1230mm (2 inches x 24 inches x 48 inches). Deck to include manufactured installed galvanized steel tubes.

3.2.1.3. Silva Cell Stringsheet: 400mm x 800mm x 180mm (24 inches x 48 inches x 6 inches) modified Silva Cell Frame units designed to stiffen and align the frames as planting soil and backfill material is placed. Stringsheets are to be removed prior to placing decks. They are to be reused as the work progresses.

3.2.1.4. Silva Cell Deck Screws: Manufacturer's supplied stainless steel screws to attach decks to frames.

3.2.2. Anchoring Spikes: to be 19" (250mm) long X 19/64" (8mm) diameter, spiral, galvanized timber spikes. Utilize 4 spikes in each frame on the first layer of Silva Cells to anchor the frames to the aggregate subbase.

3.2.3. Drain Lines: Refer to City of Winnipeg standard specification CW3120. Installation of Subdrains.

3.2.4. Water Pipe: Refer to Drawings and Specifications

3.2.5. Inspection Riser and Cap: Inspection riser shall consist of a rigid, schedule 40 non-perforated PVC pipe, 4 inches in diameter. Cut slots in the bottom to allow water access for inspection risers that extend to the sub base aggregate. Cap shall be PVC solid threaded clean-out or removable inlet grate designed to fit standard PVC schedule 40 pipefittings.

3.2.6. Geogrid: Miragrid 2XT as manufactured by Ten Cate Nicolon, Norcross, GA, or approved equal, www.tencat.com

3.2.7. Geotextile: Shall be non woven polypropylene geotextile, Mirafi 160 N as manufactured by Ten Cate Nicolon, Norcross, GA, or approved equal, delivered in 12 feet (3800mm) wide rolls min., with the following properties:

- Grab tensile strength: 370 lb.
- Grab tensile elongation: 50%
- Mullen burst strength: 360 psi
- Puncture strength : 130 lb.
- Apparent opening size: US sieve 80 (0.180 mm)
- Water flow rate: 85 gpm/SF

3.2.8. Aggregate Sub Base (Below Cell Frame): Sub base material in accordance with CW3110.

3.2.9. Aggregate Base Course (Above Cell Deck): Base course material in accordance with CW3112.

3.2.10. Backfill Material (Adjacent to Silva Cells): Backfill Material to be supplied in accordance with CW2030. Backfill class as determined by Contract Administrator.

3.2.11. Planting medium: Shall consist of black top soil, a fertile friable natural loam containing by volume not less than 4% and no more than 25% of organic matter for clay loams, and not less than 2% and no more than 25% for sandy loams, with an acidity value ranging from pH 5.8 to 6.8 and capable of sustaining vigorous plant growth. Topsoil is to be free of any mixture of subsoil, clay lumps and free of stones and other extraneous matter. It is not to contain couch or sod grass rhizomes.

3.2.12. Product Certificates: Certificates shall be provided for each type of manufactured product, from manufacturer, and complying with the following:

- Manufacturer's certified analysis for standard products.
- Silva Cell manufacturer's letter of review and approval of the project, plans, details and specifications for compliance with product installation requirements.

3.2. *Quality Control*

3.2.1. Compaction testing results: Submit results of all compaction testing required by the specifications including the bulk density test of the mock up and installed soil, and the compaction testing log of penetrometer and moisture meter readings to the Contract Administrator for approval.

3.2.2. Qualification Data: Submit documentation of the qualifications of the Silva Cell installer sufficient to demonstrate that the installer meets the requirements of paragraph "Quality Assurance"

3.3. *Construction Method*

3.3.1. Layout Approval: Prior to the start of work, layout and stake the limits of excavation and horizontal and vertical control points sufficient to install the Silva Cells and required drainage features in the correct locations.

3.3.2. Soil Installation Mock Up and Compaction Evaluation:Prior to the installation of Silva Cells, construct a mock up of the complete installation at the site. The installation of the mock up shall be in the presence of the Contract Administrator. The mock up shall be a minimum of 100 square feet in area and include the complete Silva Cell system installation with sub base compaction, drainage installation, Base course aggregate and geotextile as required, geogrids, backfill, planting soil with compaction, decks, and top geotextile. The mock up area may remain as part of the installed work at the end of the project provided that it remains in good condition and meets all the conditions of the Specifications.

3.3.3. Excavation: When warranties are required, verify with Owner's counsel that special warranties stated in this article are not less than remedies available to Owner under prevailing local laws. Excavate to the depths and shapes indicated on the drawings. Base of excavation shall be smooth soil, level and free of lumps or debris. Do not over-excavate passing soil beside or under the limits of excavation required for the installation. If soil is over-excavated, install compactible fill material in lifts not more than 8 inches (200mm) deep and compact to the required density. Confirm that the depth of the excavation is accurate to accommodate the depths and thickness of materials required throughout the extent of the excavation. Confirm that the width and length of the excavation is a minimum of 6 inches (150mm), in all directions, beyond the edges of the Silva Cells.

3.3.4. Sub Grade Compaction:

3.3.4.1. Compact subgrade below the Silva Cells to a minimum of 95% of maximum dry density at optimum moisture content in accordance with ASTM D 698 Standard Proctor Method.

3.3.4.2. Proof compact the subgrade with a minimum of three passes of a suitable vibrating compacting machine or apply other compaction forces as needed to achieve the required subgrade compaction rate. Apply additional compaction forces at optimum water levels.

3.3.5. Installation of Geotextile Over Sub Grade: Install geotextile over the compacted subgrade material with a minimum joint overlap of 18 inches (450mm) between sections of material.

3.3.6. Installation of Drain Lines:

3.3.6.1. Layout the location of all drains lines. Adjust the alignments to conform to the final locations of valves and risers. Do not locate drain lines within 6 inches (150mm) of the edge of any Silva Cell post. Ensure positive drainage toward intended outlets.

3.3.6.2. Excavate a trench a minimum of 12 inches (300mm) wide to a depth required to provide positive drainage from the high points of the system to the outlet or connection point to storm sewer. Eliminate dips or rises that will trap water. Minimum slope shall be 1%.

3.3.6.3. Install the perforated drain lines as indicated on the Drawing. All connections and splices shall use the manufacturer's standard splice and fitting connections. Joints shall be secure.

3.3.6.4. Place perforated pipe with slots slots on the bottom side of the pipe.

3.3.7. Installation of Inspection Risers:

3.3.7.1. Install 4" solid P.V.C. inspection risers to grade. Install manufacturer's PVC solid "T's," elbows, and reducers. Use the proper sized "T's" and reducers. Extend risers into sub base aggregate and or make connections to drain lines where indicated on the Drawings. Where inspection risers are indicated to be placed on top of the Silva Cell Deck, assemble riser and fittings to dimensions required such that the rim of the riser is flush with the paving. Set the rim top with a slope consistent with the slope of the pavement.

3.3.7.2. Adjust the location of the riser such that the center of the riser falls along the centerline of one of the ribbed slots in the deck. Cut the deck geotextile with an X cut and insert the riser through the geotextile.

3.3.7.3. Make a geotextile collar secured to the riser with zip ties that over lap the surrounding geotextile a minimum of 12-inches. Secure in place with tape.

3.3.7.4. Brace all risers while backfill and paving is being installed to ensure its location and elevation.

3.3.7.5. Install clean-out caps on top of each riser flush to grade.

3.3.8. Installation of Aggregate Sub Base:

3.3.8.1. Install aggregate sub base to the depths indicated on the Drawings, under the first layer of Silva Cell frames.

3.3.8.2. Compact aggregate sub base layer to a minimum of 95% of maximum dry density at optimum moisture content in accordance with ASTM D 698 Standard Proctor Method.

3.3.8.3. Compact the subgrade with a minimum of three passes of a suitable vibrating compacting machine or apply other compaction forces as needed to achieve the required subgrade compaction rate.

3.3.8.4. Grade surface in a plane parallel to the grades of the paving above. The tolerance for dips and bumps in the aggregate under Silva Cells shall be a 3/8-inch (9mm) deviation from the plane in 10 feet (3m) and 1/8-inch (3mm) in 4 feet (1220mm).

3.3.8.5. The grade and elevations of the base under the Silva Cells shall be approved by the Contract Administrator prior to proceeding with the installation of the Silva Cells.

3.4.9. Installation of Silva Cells:

3.4.9.1. Identify the outline layout of the structure and the edges of paving around tree planting areas on the floor of the excavation, using spray paint or chalk line. The layout shall be calculated to include shift in layout locations due to depth and the slope of the Cells.

3.4.9.2. Lay out the first layer of Silva Cell frames on the sub base. Verify that the layout is consistent with the required locations and dimensions of paving edges to be constructed over the Silva Cells.

3.4.9.3. Check each Silva Cell frame unit for damage prior to placing in the excavation. Any cracked or chipped unit shall be rejected.

3.4.9.4. Place frames no less than 1 inch (25mm) and no more than 3 inches (75mm) apart. Assure that each frame sits evenly on the surface of the sub base. Frames shall not rock or bend over any stone or other obstruction protruding above the surface of the sub base material. Frames shall not bend into dips in the sub base material.

3.4.9.5. The maximum tolerance for deviations in the plane of the sub base material under the bottom of the horizontal beams of each Silva Cell frame shall be 1/4 inch (6mm) in 4 feet (1220mm). Adjust sub base material including larger pieces of aggregate under each frame to provide a solid base of support.

3.4.9.6. Anchor each Silva Cell into sub base with four 19 inch (250mm) spikes, driven through the marked holes in the Cell frame base to maintain cell spacing and layout during the installation of planting soil and backfill.

3.4.9.7. For applications over waterproofed structures, develop a spacing system consistent with requirements of the waterproofing system. Do not use anchoring nails that will come within 150mm of any waterproofing material. Submit spacing system procedure for approval by the waterproofing provider.

3.4.9.8. Install the second layer of Silva Cell frames on top of the first layer. Comply with manufacturer's requirements to correctly register and connect the Cell frames together.

3.4.9.9. Register each frame on top of the lower frame post. Rotate each frame registration arrow in the opposite direction from the frame below to assure that connector tabs fully connect. Each frame shall be solidly seated on the one below.

3.4.9.10. Build layers as stacks of frames set one directly over the other. Do not set any frame half on one Cell frame below and half on an adjacent frame.

3.4.9.11. Install Stringsheets on top of the Silva Cell frames prior to installing planting soil and backfill. Stringsheets are required only during the installation and completion of the planting soil and backfill. Stringsheets should be moved as the work progresses across the installation, and prior to the installation of Silva Cell decks.

3.4.10. Installation of Planting Medium and Geogrid:

3.4.10.1. Install planting soil, geogrid curtain and backfill as indicated on the Drawings. The process of installation requires that these three materials be installed and compacted together in several alternating operations to achieve correct compaction relationships within the system.

3.4.10.2. Geogrid curtains are required between the edge of the Silva Cells and any soils to be compacted to support paving beyond the area of Silva Cells. Do not place geogrid curtains between the edge of the Cells and any planting area adjacent to the Cells.

3.4.10.3. re-cut the geogrid to allow for 6 inches (150mm) minimum under lapping below backfill, and 12 inches (300mm) minimum overlapping top of Silva Cell deck.

3.4.10.4. Where cell layout causes a change direction in the plane of the geogrid, slice the top and bottom flaps of the material so that it lies flat on the top of the cell deck and aggregate base course along both planes.

3.4.10.5. Provide a minimum of 300mm (12 inch) overlaps between different sheets of geogrid.

3.4.10.6. Place the geogrid in the space between the Silva Cell frames and the sides of the excavation. Attach the geogrid to the Silva Cell frames using 3/16 inch x 12-inch (5x300mm) zip ties. Attach with zip ties at every cell and at Cell Deck.

3.4.10.7. Install no more than two layers of Silva Cell frames before beginning to install planting soil and backfill.

3.4.10.8. Install no more than two layers of Silva Cell frames before beginning to install planting soil and backfill.

3.4.10.9. Compact the planting soil within the Silva Cell frames and the backfill material outside the frames in alternating lifts until the desired elevations and density is achieved in both soils.

3.4.10.10. Maintain the geogrid curtain between the Silva Cells frames and the backfill material.

3.4.10.11. Install backfill in alternating lifts with the planting soil inside the Silva Cells. Fill the first layer or layers of frames with planting medium, specified in Section F45 Street Tree Planting Mixture. Install in lifts that do not exceed 8 inches (200mm).

3.4.10.12. Lightly compact the soil to a maximum dry density of 80% inside the frames at each lift to remove air pockets and settle the soil within the frames. If the planting soil becomes overly compacted, remove the soil and reinstall. Use hand tools or other equipment that does not damage the Silva Cell frames.

3.4.10.13. Do not work directly on horizontal beams of the frames.

3.4.10.14. Work soil under the horizontal frame beams of the second level of Cell frames and between columns alternating on pockets and voids. Fill each frame such that there is a minimum of 10 inches (250mm) of soil over the top of horizontal frame beams before beginning compaction. The top 1-2 inches (25-50mm) of each frame post should remain exposed above the soil to allow the placement of the next frame or deck.

3.4.11. Installation of Third Silva Cell Layer:

3.4.11.1. After the first two layers of Silva Cell frames have been installed, filled with planting soil and backfilled, proceed to install the third layer of Silva Cells frames where indicated on the Drawings. Comply with manufacturer's requirements to correctly register and connect the cell frames together. Remove the stringsheets.

3.4.11.2. Sweep any soil from tops before adding the next layer of frames. Install stringsheets on top of third layer of Silva Cells.

3.4.11.3. Continue to install and compact the planting soil within the Silva Cell frames and the backfill material outside the frames in alternating lifts until the desired elevations and density is achieved in both soils.

3.4.12. Preparation for Installing Silva Cell Decks:

3.4.12.1. When using mulch, add a final layer of planting soil as required to bring the planting soil level to not more than 3 inches (75mm) below the bottom of the Silva Cell Deck when installed. When using an space saver rather than compost, the planting soil shall be brought to level not more than 1 inch (25mm) below the bottom of the Silva Cell Deck when installed.

3.4.12.2. Obtain final approval by the Contract Administrator of soil installation prior to installation of the Silva Cell deck.

3.4.12.3. Remove stringsheets after planting soil and backfill has been compacted to the top of the entire set of Silva Cells.

3.4.12.4. Install 3 inches (75mm) of mulch, or leave 1-inch (25mm) air space, below Silva Cell Deck as indicated on the Drawings.

3.4.13. Silva Cell Deck Installation:

3.4.13.1. Install the Silva Cell Decks over the top of each frame stack. Clean dirt from the tops of the Silva Cell frame columns. Register the deck and make connections as recommended by the manufacturer to secure the deck to the top of the Silva Cell Frame.

3.4.13.2. Secure each deck at the four corners with screw fasteners as recommended by the manufacturer. Assure that each deck is seated firmly on the frame top with all connectors attached.

3.4.13.3. Install and compact remaining backfill material such that the soil outside the limits of the Silva Cells is flush with the top of the installed deck.

3.4.14. Installation of Geotextile, Geogrid, Inspection Riser and Aggregate over Deck:

3.4.14.1. Overlap geogrid over the top of the Silva Cell Decks, with minimum of 12 inches (300mm) overlap.

3.4.14.2. Place geotextile over the top of the deck where indicated on the Drawings, extending beyond the outside edge of the excavation by at least 18 inches (450mm). Any joints must be overlapped by a minimum of 18 inches (450mm).

3.4.14.3. Cut geotextile a minimum of 20 percent larger than the size of the deck area to be covered to accommodate for required conforming of the geotextile and stone to the deck contours.

3.4.14.4. Install 4-inch (100mm) diameter inspection risers above geotextile.

3.4.14.5. Install the aggregate base course over the geotextile immediately after completing the installation of the fabrics and inspection risers. Work the aggregate from one side of the deck to the other to assure that the fabric and aggregate conforms to the cell deck contours. Do not apply aggregate in several positions at the same time.

3.4.14.6. Load the aggregate from equipment that is outside the limits of the excavated area. Use small, low impact material mover such as a concrete buggy or George Buggy to move aggregate over the cells. Work over material already in place. Never allow any motorized equipment of any size to operate directly on the Silva Cell Deck. For large or confined areas, where aggregate cannot easily be placed from the edges of the excavated area, obtain approval for the installation procedure and types of equipment to be used in the installation from the Silva Cell manufacturer.

3.4.14.7. Compact aggregate base course, in lifts not to exceed 8" in depth, to 95% of maximum dry density. Utilize a roller or plate compactor with a maximum weight of 1000 pounds. Make sufficient passes with the compacting equipment to obtain the required compaction.

3.4.14. Installation of Paving:

3.4.14.1. Place paving material over Silva Cell system as per drawings and specifications.

3.4.14.2. Take care when placing paving or other backfill on top of Silva Cell system not to damage the system components.

3.4.14.3. Installation of Planting Soil and Mulch within the Tree Planting Area

3.4.14.4. Prior to planting trees, install additional planting soil, to the depths indicated, within the tree opening adjacent to paving supported by Silva Cells.

3.4.14.5. Remove all rubble, debries, dust and silt from the top of the planting soil that may have accumulated after the initial installation of the planting soil within the Silva Cells.

3.4.14.6. Assure that the planting soil under the tree root ball is compacted to a minimum of 92% to prevent settlement of the root ball. The planting soil within the tree opening shall be the same soil as is the adjacent Silva Cells.

3.4.15. Repair of Cut Geotextile: In the event that any geotextile over subgrade or the Silva Cell decks must be cut during or after installation, repair the seam with a second piece of geotextile that overlaps the edges of the cut by a minimum of 12 inches in all directions prior to adding aggregate material.

3.4.16. Protection:

3.4.16.1. Ensure that all construction traffic is kept away from the limits of the Silva Cells until the final surface materials are in place. No vehicles shall drive directly on the Silva Cell deck or aggregate base course.

3.4.16.2. Provide fencing and other barriers to keep vehicles from entering into the area with Silva Cell supported pavement.

3.4.16.3. Maintain a minimum of 4 inches (100mm) of aggregate base course over the geotextile material during construction.

3.4.16.4. Where vehicle must cross Silva Cells that does not have final paving surfaces installed, use construction mats designed to distribute vehicle loads to levels that would be expected at the deck surface once final paving has been installed. Use only low impact track vehicles with a maximum surface pressure under the verzale of 4 pounds per square inch, on top of the mats over Silva Cells prior to the installation of final paving. Acceptable construction mats include: Mud-Trake as distributed by BEV Sales, Charlotte, NC 28218, 800 762 8267 or approved alternate. Mat strength shall be as required for the vehicle loading application.

3.4.17. Clean Up: Perform cleanup during the installation of work and upon completion of the work. Maintain the site free of soil and sediment, free of trash and debris. Remove from site all excess soil materials, debris, and equipment. Repair any damage to adjacent materials and surfaces resulting from installation of this work.

4. PAVING STONES

4.1. *Refer to CCW 3235, Installation of Interlocking Pavement Stones on a Loose Concrete Base*

4.2. Unit pavers to be *Medium transport DU, 100mm x 200mm pavers and pattern as shown on Drawings*

5. SIDEWALK REPAIR

5.1. *Refer to CCW Specification CW 3218 Adjustment of Pavement and Boulevard Structures and CW3310 Portland Cement and Concrete Pavement Works*

6. SITE FURNISHINGS

6.1. *All materials supplied under this specification shall be of a type approved by the Contract Administrator, and shall be subject to inspection and testing by the contract administrator.*

6.2. *All site furnishings shall be of a type approved by the Contract Administrator, and shall be subject to inspection and testing by the Contract Administrator.*

6.3. *Benches shall be as detailed on the Drawings / in Specifications*

6.4. *Planters shall be "Bateman Round Concrete Planter", as detailed on the Drawings / in Specifications*

6.5. *Contact for Benches*

6.5. Bateman Concrete Contact

August Wiens
(204) 864-3310
909 Gateway Rd
Winnipeg, Manitoba R2W 3L1

7. CONDUIT

7.1. *75mm conduit with string to accept future wire. depth of burial to meet code requirements for electrical cabling*

7.2. *Integrate conduit into pits for metal trees.*

8. METAL TREES

8.1. *Removal: Remove all metal trees (18) from current locations and prepare for transport. Make good all sidewalk conditions following removal*

8.2. *Transport: All metal trees to be transported to MyTex Industries Ltd. for cleaning. Ensure trees are protected and secure for transport.*

MyTex Industries Ltd Contact

Joel M. Kelsey
(204) 791-3973 or (204) 757-9800
mytex@mymts.net

8.3. *Reinstall: All trees to be relocated and installed with structural pits and breakaway bases (as per existing conditions) to locations indicated on Drawings*

NOTES:

REV	YY / MM / DD	DESCRIPTION	BY

A. SECTION LETTER OR DETAIL NUMBER.
B. DRAWING WHERE SECTION OR DETAIL IS DRAWN.

OR

A. DRAWING WHERE SECTION OR DETAIL IS INDICATED.
— SECTION OR DETAIL SHOWN ON SAME DRAWING.



SEAL

CLIENT
ST. JAMES BIZ

PROJECT
LIVING CANOPY
STREETSCAPE PROJECT

TITLE
SPECIFICATIONS

SCATLIFF + MILLER + MURRAY INC.
TEL 204 927 3444
FAX 204 927 3443
1139 - 291 PORTAGE AVENUE
WINNIPEG, MB CANADA

DESIGN	DRAWN	DATE : Y / M / D	SCALE
NH, BS	NH, VJ	2013/05/23	AS SHOWN
CHECKED	APPROVED	PROJECT NO.	DRAWING NO.
BS	BS	11-0107-24	L08

CAD File Name: 1203S-sheet set 1_working 2013-05-28.dwg

MyTEC INDUSTRY LTD

1011 Donald Road, St. Andrews, MB R1A 3J6
Telephone (204) 757-9900 Fax (204) 757-4028
Email: mytec@mymts.net

QUOTATION

February 25, 2013

St.James Village Biz
Bryan Metcalfe
Po Box 42101 RPO Ferry Road
Winnipeg,Manitoba.
R3J 3X7

RE: Metal trees

Remove all branches and stem of ornamental metal trees from portage ave. Mytec will fix any broken welds and any bent branches to meet original spec. Mytec will prep and paint with high reflective paint (stems only).Mytec will install high reflective tape in the canopy of the tree. Then Mytec will reinstall metal trees on portage ave.The unit price is $1485.00/per tree, Mytec unit price may come down if we do all 18 ornamental metal trees.

If you have any questions, please contact me at 791-3973

Sincerely,

Joel Kubay

Quotation is valid for 30 days and is subject to applicable taxes.

Cheryl Reid, CGA

From: bryan@stjamesbiz.ca
Sent: June 4, 2013 11:26 AM
To: Tracy Wilkie; CGA Cheryl Reid
Subject: Fw: [FWD: Re: St. James BIZ hydro request]

Importance: High

Fyi
Bryan Metcalfe

From: "Olien, Grant" <golien@hydro.mb.ca>
Date: Tue, 4 Jun 2013 15:28:42 +0000
To: 'bryan@stjamesbiz.ca'<bryan@stjamesbiz.ca>
Subject: RE: [FWD: Re: St. James BIZ hydro request]

Hello Bryan,

Manitoba Hydro requires certain amount of information to perform these requests. MH requires service locations (AutoCAD drawings), service sizes and loading information. Having said that, I am forwarding you some budget numbers for you to apply for the Grants.

Manitoba Hydro will supply a service to a metered Customer Service Termination Enclosure (CSTE) for approximately $5,000 - $13,000 per location. Then you can have your electrician run the cable from the CSTE to each tree/lights. Depending on the spacing of the lights you may require more than one service and your electrician will be able to help design that.

Time frame for a project is between four - six months after MH receiving all information.

If you have any questions please call.

Grant Olien *B.B.A., C.I.M.*
Supervisor
Energy Services & Sales
Manitoba Hydro
Telephone: (204)360-3106
Cell: (204)981-0350
Facsimile: (204)360-6110

Portage Avenue
St. James
Winnipeg, Manitoba

CONTRACTED PRICING
St. James BIZ
Living Canopy Streetscape Project

ITEM	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
NO.	*UNIT PRICE*				
A.1	Supply & Install Street Tree Plazas	Ea.	7	$38,268.74	$267,881.18
A.2	Removal, and Delivery of Metal Trees	Ea.	18	$400.00	$7,200.00
A.3	Removal of Metal Tree Bases & Repair of Sidewalk	Ea.	18	$330.00	$5,940.00
A.4	Supply & Install of Metal Tree Bases in new locations (c/w breakway bases)	Ea.	18	$2,700.00	$48,600.00
B.2	Supply & Installation of Conduit for future Electrical	Per block	6	$2,664.00	$15,984.00
B.3	Relocation of Archway	Ea.	1	$1,500.00	$1,500.00
				Sub Total	$347,105.18
				5% Contingency	$17,355.26
				Consultant Fees	$5,000.00
				GST (5%)	$18,473.02
				TOTAL	387,933.46

SCATLIFF + MILLER + MURRAY

8-136 Market Avenue, Winnipeg, Manitoba, Canada R3B 0P4
Tel (204) 927-3444 Fax (204) 927-3443

CHANGE ORDER

CONTRACT CHANGE ORDER NO. 2

PROJECT:	Living Canopy Streetscape Project
OWNER:	St. James Village BIZ
DATE:	November 1, 2013
PROJECT NO.	10035
CONTRACTOR:	J&D Penner Ltd.

Payment or Credit for the following change is hereby authorized:

DETAILS OF CONTRACT CHANGE:

Reference to PCN No. 1 dated October 24, 2013

Item 2: Rigid Insulation
Supply and install two (2) layers Formular 300
Total price for seven (7) plazas

Price **$14,663.30**

Per: Scatliff + Miller + Murray Inc.

Bob Somers

for St. James Village BIZ

The Contract Price is increased/~~decreased~~ by: 14,663.30

The Contract Time is increased/decreased by: 0 days

All other terms and conditions of the Contract remain unchanged.

Original Contract Price:	**$347,105.18**
Previous Additions/Deletions:	**$-1,500.00**
This Authorization:	**$14,663.30**
Revised Contract Price:	**$360,268.48***

Revised Completion Date: no change

* Contract Price does not include Value Added Taxes

J&D Penner

Paving Stone & Concrete
2560 McGillivray Blvd., Oak Bluff, Manitoba R4G 0B3
Ph. 895-8602 Fax 895-7742

ESTIMATE

PROPOSAL SUBMITTED FOR		PHONE	DATE
Scattliff+Miller+Murray		**(204)927-3444**	**11/8/2013**
STREET		JOB NAME	
1120-201 Portage Avenue		**Living Canopy Streetscape Project**	
CITY, PROVINCE, AND POSTAL CODE		JOB LOCATION	
Winnipeg, MB		**Portage Ave, Ruthland & Queen**	
CONTACT	DATE OF PLANS	ESTIMATE NUMBER	JOB PHONE
Vanessa Jukes		**4029**	

Description	AMOUNT
SCOPE OF WORKS - Budget 1. Hydro vac excavation required due to utility locates on the working area Approx 1.5 hrs per location @ 18 piles @ $ 250/hr	$6,750.00
2. Dumping fee per truck Approx 2 trucks @ $170/truck	$340.00
Please note: - Hydro vac hours are approximate and will be billed accordingly based on the actual hour invoiced by hydro vac contractor. - Total additional cost is for "BUDGET PURPOSE only". Actual cost to be billed after completion of work. GST extra	

We propose hereby to furnish material and labour complete in accordance with above specifcations, for the sum of

Seven Thousand Ninety .00/100 ($7,090.00)

Julius Nicolas , Estimator

FORM A: UNIT PRICE

Sheet 1 of 1 Sheets

St James BIZ

SCHEDULE OF PRICES

For: Living Canopy Streetscape Project - Post Tender Addendum 1

ITEM NO.	DESCRIPTION	UNIT	APPROX. QTY	UNIT PRICE	AMOUNT
1.	Supply and Install Street Tree Plazas	Ea.	7	$ 38,268.74	$ 267,881.18
2.	Removal, and Delivery of Metal Trees	Ea.	18	$ 400.00	$ 7,200.00
3.	Removal of Metal Tree Bases and Repair of Sidewalk	Ea.	18	$ 330.00	$ 5,940.00
4.	Supply and Installation of Metal Tree Bases in new locations (c/w breakaway bases)	Ea.	18	$ 2,700.00	$ 48,600.00

Total Bid Price in figures (GST Extra)Post Tender Addendum 1 $ 329,621.18

(in words)
Three Hundred Thirty Thousand Nine Hundred Sixty Three Dollars and 99/100

J & D Penner Ltd.
Name of Bidder

FORM B: SEPARATE BID PRICES

Sheet 1 of 1 Sheets

St James BIZ

SCHEDULE OF PRICES

For: Living Canopy Streetscape Project - Post Tender Addendum 1

ITEM NO.	DESCRIPTION	UNIT	APPROX. QTY	UNIT PRICE	AMOUNT
1.	Supply and Install Street Tree Plazas	Ea.	3	$ 38,268.74	$ 114,806.22
2.	Supply and Installation of Conduit for Future Electrical	Per block	6	$ 2,664.00	$ 15,984.00
3.	Relocation of Archway	Ea.	1	$ 1,500.00	$ 1,500.00

Separate Bid Prices will be held through the duration of the construction period, and will be added to the contract through a Change Order process that will include the opportunity for the Contractor to provide any impact to overall schedule.

J & D Penner Ltd.
Name of Bidder

Cheryl Reid, CGA

From: Bryan Metcalfe <bryan@stjamesbiz.ca>
Sent: September 7, 2013 11:46 AM
To: 'Cheryl Reid, CGA'; 'Tracy Wilkie'
Subject: Fwd: Re: Request for pricing

fyi

-------- Original Message --------
Subject: Re: Request for pricing
Date: 2013-08-25 19:50
From: Larie Sawatzky <gatewaygardening@gmail.com>
To: Bryan Metcalfe <bryan@stjamesbiz.ca>

Bryan,
The price for supply and install per tree is $380.00 + GST.
Larie Sawatzky

On 2013-08-23, at 3:31 PM, Bryan Metcalfe wrote:

> Hello,
>
> Could you please let us know if you could provide us with a quote on
> the delivery and installation of 20 Brandon Ascending Elm B&B (balled
> and burlapped) with a 3" calliper trunk. This is the tree that has
> been recommended to us for our Streetscape initiative and should give
> us a tree that would be approximately 12-15' in height to start with.
> We anticipate planting these in the fall or spring depending on your
> recommendation and depending on the completion of the construction of
> the concrete planters that are going to built for these trees this
> fall. These planters should be already filled with soil when they are
> built. Can you please identify what the individual cost of each tree
> and planting it would be in case we end up with more or less trees?
>
> Thank-you, if you need more information or a copy of the RFQ that went

> out for the construction of the plazas that are being built for these
> trees and planters, please let me know.
>
>
> Bryan Metcalfe
> Executive Director, St. James BIZ
> Tel. 204.889.9628
>

--
Bryan Metcalfe
Executive Director, St. James BIZ
Tel. 204.889.9628

Meridian Landscaping & Nursery

Box 64 Springstein, Mb R0G 2N0
Tel. 204-735-2828 Fax. 204-735-3145

PROJECT: ST JAMES BIZ TREE PLANTING

DATE: 03/09/2013

TO: ST. JAMES BIZ

QUOTATION: 23.13

ATTN: BRYAN METCALFE
PH: 204-889-9628

ESTIMATOR: HEINRICH

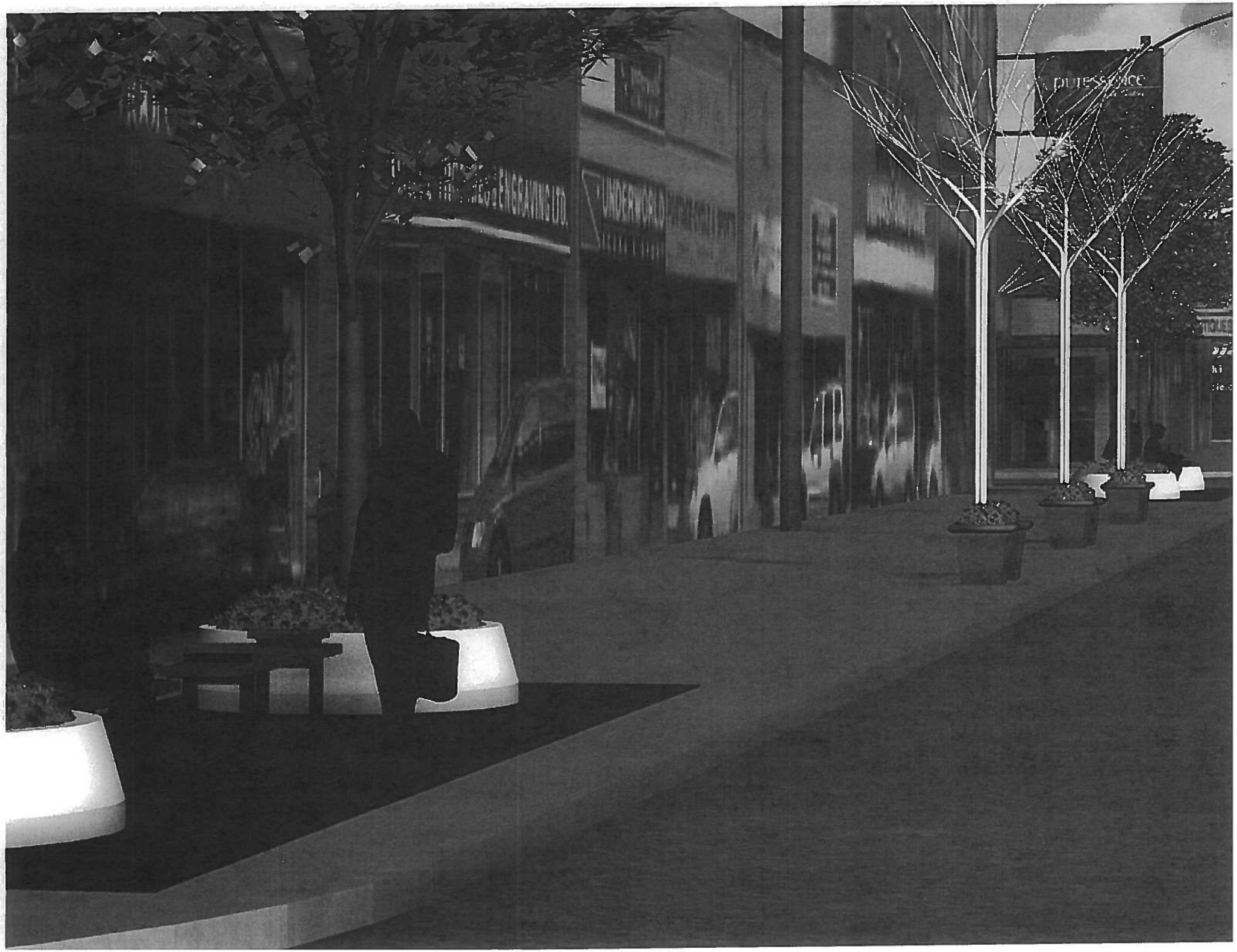
SUB TOTAL	$	9,000.00
GST	$	450.00
GRAND TOTAL	$	9,450.00

ITEM	SIZE	UNIT-PRICE $	QTY	SUB TOTAL $
				$ -
BRANDON ELM-12-15' HEIGHT (3" CAL)	EA		20	$ -
				$ -
	LUMP	$ 9,000.00	1	$ 9,000.00
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
			SUBTOTAL	$ 9,000.00
			GST	$ 450.00
			GRAND TOTAL	$ 9,450.00

THANK YOU FOR THE OPPORTUNITY.
WE HOPE THIS QUOTATION MEETS YOUR APPROVAL


ING CENTRE
Stewart TROPHIES & ENGRAVING LTD.
UNDERWORLD
BILLIARDS BAR
SCATLIFF + MILLER + MURRAY


Stewart TROPHIES & ENGRAVING LTD.
UNDERWORLD
SCUBA & SPORT
PORTAGE CYCLE & SPORTS


ENGRAVING LTD.
UNDERWORLD
QUESSENCE

