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QUOTATION FOR 76' DIAMETER VP STORA DOME™

September 5, 2024

Prepared for: Mr. Jim Ellis
Public Works Manager
Township of Southgate

Prepared by: Joe McCreight, B.A. Tech
General Manager, Construction & Design
Van Pelt Construction Inc.

Quotation 2024-50

Re: 76' Diameter VP Stora Dome™ as an Option for the Twp of Southgate Works Depot, Located at Southgate Rd. 12, Holstein, ON (3,500 MT Capacity for Sand / Salt Mixture)

The confines of the quote below are intended to provide written description of the base scope of work and inclusions involved in providing a custom 76' diameter VP Stora Dome™ flat storage facility for the project noted in the subject line.

Optional prices beyond the "base quote" for non-base related features are included as well for your consideration.

Supporting documents include the attached "VP Stora Dome, Holstein" (A100, A101) dated Aug 29, 2024

DESCRIPTION OF WORK

FOUNDATION SYSTEM

- Supply all required structural (OBC Part 4 only) design engineering, review inspections and final letter from structural design engineer
- Supply and install 6" (deep) x 20" (wide) typical concrete levelling footings (Sectors 1-11)
- Supply and install 1'-3" (deep) " x 3'-0" (wide) grade beam doorway footing (Sector 12)

- Supply and install 8' (tall) x 12" (wide) concrete walls (Sectors 1-11)
- Supply and install 8' (tall) x 12" (wide) concrete wing walls (3' in length)(Sector 12)
- Supply and install all "black" rebar in footings and walls in all sectors
- Supply 32 Mpa concrete in walls
- Supply 25 Mpa concrete in footing
- Supply and install salt guard protection to interior face of foundation walls throughout full height
- Wall tie parging on the interior and exterior included.
- Price includes all equipment, concrete pumps, anchors and labor necessary to complete the described work

EXCAVATION & EARTHWORKS

- It is anticipated that the location of this new 76' diameter structure would be within the current 91' diameter of the existing dome structure to be demolished. This area would be considered pre-loaded and suitable to support the new building with limited earthworks.
 - Provision of granular as required is provided as Option Price "A" below.
- The price below includes locally removing asphalt to accommodate the new footings and patching back to the existing interior asphalt to make good.
 - Provision of new asphalt is provided as Option Price "C" below.

SUPERSTRUCTURE / BUILDING

- Supply all required design engineering and review inspections and final letter from structural design engineer. (OBC Part 4 only)
 - Engineered building drawings design with assumed (OBC Part 3, F3 "low importance") classification of structure for loading
- Supply and install new 76' Diameter VP Stora Dome™ hot dipped galvanized structural steel superstructure including:
 - Vertical steel frame, complete with 6x6 HSS columns
 - Compression Ring (center of dome) and Tension Ring (outer ring)
 - OWSJ trusses connecting these components
- Supply and install roof system including OWSJ top chord "T-Strut" infill framing @ 24" o.c. complete 29 Gauge "Century Rib" profile by Agway Metals on the truss top chord.
 - Includes all trims and flashings.
- Supply and install ceiling system including OWSJ top chord "T-Strut" infill framing @ 24" o.c. complete with ½" plywood interior liner.



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- Supply and install wall system including “T-Strut” infill framing between the HSS columns @ 24” o.c. complete with ½” plywood sheathing on the interior and 29 Gauge “Diamond Rib” profile wall cladding on the exterior walls (color chosen by owner)
 - Includes all trims and flashings.
- Supply and install new custom metal cap (central peak of dome)
- Supply and install 3 total sectors of eavestrough and ice stop over the doorway area at the eave of sectors 11,12,1 and 2 with downspouts splashing to grade at Sectors 11 and 1.

BASE QUOTE \$ 598,925.00 *plus hst*

ADDITIONAL OPTIONS

- 1) Option Price “A”
 - a. Supply and supply install Granular material as required
 - i. Optional Price of “Granular A” \$30 / MT (unit price)
 - ii. Optional Price of “Granular B” \$28 / MT (unit price)

- 2) Option Price “B”
 - a. Demolition and removal of existing dome structure
 - i. Lump Sum Price of \$46,700 + HST

- 3) Option Price “C”
 - a. New Asphalt
 - i. 90mm total (50mm base, 40mm top) @ unit price of \$50/m2
 1. Includes “tack coat”

- 4) Option Price “D” (Electrical)
 - a. Supply and install new 100 amp panel and extension to with 1m of building perimeter to tie into electrical service supply (by others, assumed on site and in close proximity based on existing dome).
 - b. Supply and install new weather proof electrical panel box
 - c. Supply and install 2 GFI receptacles near entrance
 - d. Supply and install 4 LED lights on inside of the dome and 1 LED above exterior entry
 - e. Supply and install 2’x2’ exhaust fan
 - f. ESA certificates included
 - i. Lump Sum Price of \$27,500 + HST



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NOTES / ASSUMPTIONS / CONSTRAINTS

- The confines of this quote will be valid and applicable for 30 days past the date noted above.
- All work will be performed and adhered to in compliance with MOL and OHSa guidelines.
- It is assumed that pre-loaded granular pad currently housing the existing dome will be sufficient to house the proposed structure as well. No granular supply or install is included in this quotation.
 - Granular (as required or requested) is priced in Option Price "A"
- The base price excludes asphalt paving except for patching to accommodate the new building footprint
 - Additional paving is priced in Option Price "C"
- Any civil, mechanical and electrical related engineering potentially required to facilitate a building permit would be considered by others and not included in this quotation.
 - We can arrange if deemed necessary
- All permitting, development charges, application fees are to be by others unless otherwise noted above
- This quotation would be based on assuming "on site work" would be completed between April 2025 and October 2025 to avoid winter measure requirements.

*We wanted to note that this facility has been designed to store approximately 3,500 MT of sand / salt mixture.

We appreciate the opportunity to present this quote and to work with the Township once again on this project,

Any questions please address them to the undersigned,

Kind Regards

Aron Van Pelt,
President & CEO

Joseph McCreight, B.A Tech
General Manager, Design & Construction