

**From:** Walter Hermann  
**Sent:** Tuesday, October 12, 2021 11:06 AM  
**To:** Clerks Richmondhill <clerks@richmondhill.ca>; Karyn Hurley <karyn.hurley@richmondhill.ca>  
**Cc:** Tom Muench <tom.muench@richmondhill.ca>  
**Subject:** motion discussion

Good morning Karyn,

I understand that the next council meeting this Wednesday will include discussions and input to the Permeable pavers January motion addressing response to the report.

I would like to be able to add my input, as with our hydroPAVERS® technology.

During the course of the review, our company was not contacted, so its important to illustrate our approach. The report only refers to Permeable Pavers, which are not in fact permeable at all.

We have become a leader in the field of true pervious paving, LID, Green Roofing and storm water management through out North America and beyond.

Will this be in person ? or are we still remote ?

Many additional reasons to go with hydroPAVERS®

- 1) True pervious paver
  - a. Every square inch of the surface allows water to flow in
  - b. Absorbs a ¼” rain event – excellent storm water retention
  - c. After fully saturated, over an inch of rain per minute passed through our pavers into the properly prepared base.
  - d. Exceeds 100 year storm requirements for retention and drainage
  - e. Properly prepared base (12” assumed) can hold up to 5.5” of water which makes the entire area under our pavers like a water storage tank during heavy surges.
  - f. In the top of the system, the water will evaporate - Evapotranspiration. By the sun and wind.
  - g. In the underside of the system, Water Infiltration and transmissivity. And back into the water table, ultimately
  - h. Puddles are eliminated assuming full proper installation. – except extreme conditions such as flooding due to other factors such as hurricanes.
- 2) Gaps
  - a. The space between pavers is less than 1/8” regardless of paver size in the plans
    - i. Makes it Safe – complies with ADA
    - ii. Due to no gaps after they are filled with polymeric sand, the system is sealed off so to speak
      1. Dirt does not flow in and clog the system or get into the base
      2. Reduced maintenance cost: only pressure washing required
      3. No vacuuming required ever
- 3) Heat Island Effect
  - a. Surface is cooler due to Evapotranspiration
  - b. And also because the paver “breathe”
  - c. SRI Index 41 for the Off-White
- 4) Safety

- a. Non slip surface
  - b. Excellent around swimming pools
  - c. Safe for children to run on
- 5) Bonus features:
- a. With 9 colors and 8 sizes, super design flexibility
  - b. Off-white used for lines in parking areas to eliminate painting.
  - c. Reduce painting even further by using for handicap zones. – no slipping / no painting
  - d. NEVER needs to be sealed – save cost annually (sealing would ruin the drainage)
  - e. Compared to concrete, no expansion joints required
- 6) Color fast
- a. Manufactured and over cured, color is baked in
  - b. This is due to 12 hours at 1,200 Degrees Centigrade through a 1,500 foot long oven
- 7) Strength
- a. Compressive strength exceeds 9,500 PSI
  - b. Ideal for so many applications
- 8) Material: Ceramic
- a. 100% recycled ceramic tiles
  - b. Not from landfill, diverted directly from ceramic tile makers to us, so it's clean
  - c. Cuts very clean with diamond blade
- 9) Freeze Thaw tested and certified
- a. Does not crack, expand or contract

Thank you  
Best Regards,

Walter Hermann

