

Subject: Re: Strada - Proposed Quarry Site Plan Concept - Support Figures
From: Garry Hunter <ghunter@hunter-gis.com>
Date: 2025-02-07, 2:04 p.m.
To: Natalie Kotyck <info@ndact.ca>
CC: Natalie Kotyck <nkotyck@gmail.com>, Judy Pucher <jpucher@hunter-gis.com>

Thanks,

We expect to release these materials this afternoon by 5:00 pm to Meeting 1 Participants.

I have also found some internal inconsistencies in Explotech's fly rock throw distance calculations and contradictions with the WSP Caledon Quarry fly rock distances. There are also agricultural assessment omissions in both RWDI / WSP.

Earthfx continues to be totally silent which I interpret to mean they are re doing their model.

Strada is finally going to have to listen due the ongoing cost of not listening.

I am not the one who is out of scope.

Yours truly,

Garry T. Hunter M.A.Sc. P.Eng.
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On 2025-02-07 12:15 p.m., Natalie Kotyck wrote:

Thanks Garry,

I like what you have done and completely understand the comment regarding pushing strings. Regardless, I think the points and illustrations are right-on to help Strada to solution, however I am afraid that they will not receive it that way because it is outside of your scope of work.

Because I know you, I am so grateful for your intensity and commitment to our community. I will do my best to lay the groundwork so that Strada receives your submission (below) in the right frame of mind and allow themselves to consider it on its merit and not get caught up in silo thinking.

Please let me know when you send it to the attendees of Meeting 1 and just be sure that you know, we all are, me in particular, grateful for your efforts.

Carl

On Fri, Jan 31, 2025 at 6:02 PM Garry Hunter <ghunter@hunter-gis.com> wrote:

Carl and Natalie,

I enclose six Figures for your review and comment. These are intended to form the basis for an 'Alternative Site Plan' acceptable to NDACT with operational flexibility acceptable to Strada. The standard Peer Review process of 'pushing on strings' through four review and now a fifth cycle doesn't cut it for anyone.

The Design Principles (preliminary) are:

1. Performance Criteria to protect Hornings Mills Community and Pine River headwaters from water quantity and quality degradation.
2. Provision for separation (or merging) of Upper Aquifer (Guelph) Deep Aquifer Non Contact Water and Quarry Sump Contact Water based on operating conditions as found.
3. Ground Water Extraction and Infiltration Infrastructure and transmission components to be implemented when there is excess quantity and / or adverse quality inflows into the Quarry excavation.
4. Implementation of Pressure Relief Wells as require.
5. Implementation of vertical Hydraulic Barrier Walls for Lift 1 or Lift 3 (High or Low) Pressure
6. Provision of water quality treatment (denitrification) riparian wetland storage pond for Quarry contact water and Upper Aquifer non-contact water as may be required.
7. Provision of surface pond or aquifer storage to support 24/ 7/365 groundwater infiltration
8. Provision of riparian wetlands and treatment (denitrification) ponds

9. Termination of quarry and / or groundwater extraction if Performance Criteria are breached by Quarry operations.

This design concept is based on our advanced GIS processing of Strada's and agencies high quality downhole water quantity and quality data. The Groundwater Model will assist in determination of flow quantities sizing of infrastructure and drawdowns to the west. However it is not required to complete the flexible Site Plans for the initial application to MNRF.

Can you please provide me with the latest Noise, Blasting, Air Quality and Transportation Reports and Peer Reviews. I would like to rationalize the extraction directions to my attached Figures?

Strada will need to update all its component Reports to the Site Plans for a formal complete application.

I need your comments on the these draft Figures. Next steps here would be to generate profiles and cross sections based on our compiled data sets and update site plan notes for this proposed Quarry.

Yours truly,

Garry T. Hunter [M.A.Sc.](#) P.Eng.
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