



BURNSIDE

**Addendum to Long Term Water
Supply to Clearview, Schedule B
Class EA**

**Community of Stayner
Township of Clearview**

APPENDIX D



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix D

EA Addendum Consultation

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Appendix D1

Notice of Public Information Centre

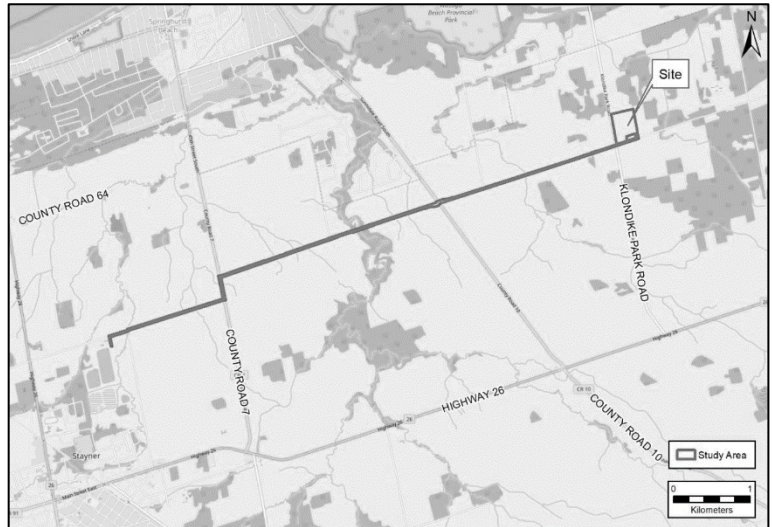


**NOTICE OF PUBLIC INFORMATION CENTRE
ADDENDUM TO SCHEDULE B MUNICIPAL CLASS EA
Long Term Water Supply to Clearview, Community of Stayner**

The Study

The Township of Clearview (Township) is undertaking an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). The previous EA study was completed in February 2008 to assess long-term water supply requirements for Clearview based on forecasted growth. The original EA encompassed numerous communities in Clearview; however, this Addendum focuses on the community of Stayner only and has been triggered by recent investigations, which have found a viable groundwater source north east of Stayner.

The Study Area includes the southern portion of an agricultural property, located at 1585 Klondike Park Road, at the northeast corner of Klondike Park Road and Sunnidale Concession 12 Road (Site), and the existing rights-of-way (ROW) along Sunnidale Concession 12 Road west from 1585 Klondike Park Road to County Road 7, south on County Road 7 to Nottawasaga 27/28 Sideroad (County Road 96), and west on Nottawasaga 27/28 (County Road 96) to the Clearview Township Public Works building (see map).



The Process

The Addendum reviews various water supply alternatives previously identified for Stayner with respect to water demand and treatment only. Considering the project changes since the 2008 EA, the evaluation of alternative solutions is revisited with respect to meeting the study objectives, impacts to the natural, social, economic and technical environments. Effective mitigation measures for the revised preferred solution are also identified. This Addendum is being carried out in accordance with the planning process as outlined in the Municipal Class EA (October 2000, as amended in 2007, 2011 and 2015), which is approved under the *Ontario Environmental Assessment Act*.

Opportunity to Participate

The Township is inviting the public to attend the Public Information Centre (PIC) for this Addendum. This PIC will present the results of additional environmental and technical studies completed, the alternative solutions considered and a revised preferred solution for input by the public.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m. – 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Information will be collected in accordance with the Municipal Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments will become part of the public record.

For more information, or if you wish to be placed on the study's mailing list, please contact:

Mike Rawn, C.E.T.
Director of Public Works
Township of Clearview
217 Gideon Street
Stayner, ON L0M 1S0
Phone: (705) 428-6230 ext. 243
E-mail: mrawn@clearview.ca

Jennifer Georgas, P.Eng.
Consultant Project Manager
R.J. Burnside & Associates Limited
3 Ronell Crescent
Collingwood, ON L9Y 4J6
Phone: (705) 797-4271
Email: Jennifer.Georgas@rjburnside.com

This notice issued on February 27 and March 5, 2020.



BURNSIDE

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Appendix D2

Project Contact List

LEGEND					
SEND BY EMAIL					
DO NOT SEND FURTHER CORRESPONDENCE					
Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Environment and Climate Change Canada Ontario Region	Mr.	Robb	Dobos		200225_Email from SLW, NoPIC
Fisheries and Oceans Canada				200225_Email, confirmation of receipt for your submission.	200225_Email from SLW, NoPIC
Ministry of the Environment, Conservation and Parks Central Region Simcoe County & City of Toronto	Ms.	Chunmei	Liu	<p>201209_Email from C. Lui to Burnside, MECP has completed review. See comments: New municipal residential drinking water systems or changes to existing systems require the delineation of new, or amendments to existing, vulnerable areas. This may affect existing landowners and/or future activities. Source protection plan policies would apply to the new or amended areas and could prohibit, or require specific management measures, for activities already occurring on the lands, such as agricultural or industrial activities, or could affect the location of future development or infrastructure. ON Reg. 205/18 requires the delineation and submission of vulnerable areas to the local SPA for the purpose of initiating plan amendments, before applying for any Drinking Water Works Permits or Licenses. Any applications for Drinking Water Works Permits or Licenses must include a notice from the Authority to the municipality indicating that they have received the vulnerable area delineations and what amendments will be undertaken. The regulation also requires the approval of source protection plan amendments before any new or changed systems can provide drinking water to the public.CSPB is aware that the proponent municipality and SPA have already been in contact about these requirements. There are no existing WHPAs or IPZs, however project work will occur within HVAs and SGRAs. There will be new vulnerable areas delineated around these wells, and source protection plan policies may apply to existing and any future land uses or activities, including the storage of fuel to supply the backup generator. The report does not include information, that preliminary “capture zones” were identified and the WHPAs have been further refined and delineated, in addition to further assessment to determine the potential for impact to local water resources, preliminary threat assessment work and identification of where policies may apply, during early public consultation. Final Addendum report should: identify and discuss all existing designated vulnerable areas (including HVA and SGRAs); include an assessment of local water resources and the potential effects from the proposed water takings from the new wells, including any potential effects on private wells; identify the draft WHPAs for the new wells, including vulnerability score information, and; discuss the potential affect of policies from the SGBLS SPP when applied to the areas around the new wells, including impacts these could have on the use of land or activities that exist today or may occur in the future. Prior to submission of PTTW a pumping test with a well designed monitoring program should be completed at the long term rates proposed for a long term PTTW.</p> <p>201125_Email from C. Lui to Burnside, Some study timing & info. is unclear; pls. clarify the following: (1) When were the vulnerable area mapping predictions completed & available? (2) Did the proponent include source protection info. in discussions with public? (3) It is not clear, that this final doc. incorporates this source protection info. – if there was not discussed in March, but do have info. now it should be incorp. for circulation for public review.</p>	<p>210127_Email from C. Lui to Burnside, MECP is incorporating them into our documents for final submission in the coming months.</p> <p>201130_Email from Burnside, Responses to questions: (1) The vulnerable area mapping was finalized by Golder Oct./2020. Whereas earlier predictions of WHPA (capture zones) were presented to public in March/2020. Model underwent further refinements in the fall of 2020 in response to: [1] AR & Plan Amendments under s.34 of CWA – Internal Process for Implementing Regulatory Requirements in SGBLS Region (July/2019), released by SPA after the initial modelling had been completed; and [2] discussions of draft modelling results with MECP & NVCA, Aug./2020. (2) Capture zones were presented at PIC in March/2020, where a distinction was made between initial capture zone predictions (March/ 2020), which would form the basis for future WHPA, versus prospective final WHPA (Oct./2020). The transition to “completed” WHPA in Oct./2020 included additional model refinements & uncertainty analysis which were (again) predicated on: [1] AR & Plan Amendments under s.34 of CWA – Internal Process for Implementing Regulatory Requirements in SGBLS Region (July/2019), released by SPA after initial modelling had been completed; & [2] discussions on draft modelling results with MECP & NVCA in Aug./2020. (3) EA doc. sent for review did not contain Oct./2020 report conclusions, as it was not yet available; however, conclusions from Oct./ 2020 report, including those related to SP Policy implications, will be excerpted from Golder report & included in main EA doc. All Golder reports will also be included as appendices. Golder’s Oct./2020 report concludes, amongst other items, that: Klondike Park Rd. wellfield AVI mapping indicates a Low vulnerability classification with Low uncertainty in the area of the Site. The level of uncertainty related to WHPA delineation & vulnerability scoring is considered Low. The Klondike Park Rd. wellfield has no Drinking Water Issues identified. Klondike Park Rd wellfield vulnerable areas (i.e. WHPAs) have no Significant Drinking Water Threats identified. Thus, in the absence of Drinking Water Issues & Significant Drinking Water Threats in the newly defined vulnerable areas, & with WHPA-A lying entirely within the proponent’s Site boundary, we are not aware of any policy implications that would adversely effect current landowners in the context of the Class EA.</p>
Ministry of the Environment, Conservation and Parks Central Region Simcoe County & City of Toronto	Ms.	Chunmei	Liu	<p>201028_Email from C. Lui to Burnside, Thanks status of hydrogeology modelling report. I’ve notified the SPPB staff about info. waiting for updated Rpt. Working on review & will provide comments in Nov.</p> <p>201026_Email from C. Lui to Burnside, SWP staff haven’t reviewed/ comment on any tech. docs. Recommended that all issues should be addressed during draft EA stage; Staff have been circulated the draft EA for the SPPB review, they will review as soon possible.</p> <p>201023_Email from C. Liu to Burnside, In the process of completing review, will provide soon. Assume all SWP issues have been addressed through EA process. Aiming to complete review within 30 days.</p> <p>200828_Email from C. Liu to Burnside, That works for us.</p> <p>200812_Email from C. Liu to Burnside, Based on info. shared in Aug. 10/20 letter, the concerns raised in my July 22/20 email have been addressed. C. Lui discussed & noted info. on changes to the Act, regarding Part II orders.</p> <p>200722_Email from C. Liu to Burnside, I’m the one window contact for the streamlined EAs (County of Simcoe and Cities of Barrie, Orillia and Toronto). Pls. add to Project Contact List. would like to check with you about the status of the project mentioned in the email below. Based on the information provided on the Township of Clearview website. Is ddendum is issued and the township has also consulted with Indigenous communities for the addendum process in accordance with the “Code of Practice for Consultation in Ontario’s Environmental Assessment Process”</p>	<p>201102_Email, Pls. see link for most current hydrogeology investigation & modelling Rpts. for MECP review.</p> <p>201026_Email, You are correct, SPPB has not reviewed, as they were still in progress until very recently. Pls. hold off on req. SPPB staff to review anything until we send the most recently updated reports, which will do this as soon as possible. Can we expect comments (not related to SPPB) 30 days from the original submission.</p> <p>201022_Email, Pls. advise of any comments, & if so, when to expect them?</p> <p>200928_Email Pls. find link below of draft subm. for review & comment.</p> <p>200828_Email from Burnside, Thanks for response. Rpt. will be updated to reflect the changes to the Part II Order process. You have requested a draft copy of the final report. We have generally completed all portions of the study with the exception of the SWP/ groundwater modelling aspects which, per some recently received comments from SWP MECP, require work & updates. To expedite the review process, would you be open to receiving & reviewing draft report?</p> <p>Please let me know. I'm happy to discuss further if you need additional details.</p> <p>200810_Email (Ltr) from Burnside, Response to email & voicemail see attached letter, pls. let me know if need any further information.</p> <p>200225_Email from SLW, NoPIC</p>

LEGEND					
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Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Ministry of the Environment, Conservation and Parks Central Region Simcoe County & City of Toronto	Ms.	Tea	Pesheva	200729_Email from Pesheva Tea to Ryan Post, Thanks for the opportunity to provide early feedback on the SWP aspects for new wells. Tech Staff Comments: It is our understanding that final WHPA delineations, vulnerability scoring of the WHPAs, discussion of uncertainty & threat assessment will be provided for review during update of NV AR portion of SGB-LS SPP. The updated hydrogeological info. has strongly influenced the model particle tracks that will form the basis for the WHPA delineation. The particle tracks for the existing Wasaga Beach wells differ greatly from the approved WHPAs (2004). A more robust discussion should be included that clearly indicates what new info. was used to update the model, how the hydrogeological parameters have changed (a comparison table would be helpful), the influence on the model calibration and why there is more confidence in this modeling effort than the previous model. It was noted that on page 221 of the pdf package, the text refers to four wells for the Stayner system but on Figure 1 a different number of wells are shown. Please clarify. Plain-language explanation about why the WHPA delineations have changed so significantly would be beneficial to maintain clarity and public trust. 200721_Email from Pesheva Tea Thanks for sending a follow-up to your request. Our technical staff are currently in the process of reviewing the documents, & working to finalize our comments as soon as possible. 200702_Email from Pesheva Tea, Thanks for sending request to meet & follow-up info. package to discuss Clearview Township proposed updates. I have forwarded your request to the appropriate staff, & will get back to you as soon as I have more information on next steps.	200810_Email from Burnside to Pesheva Tea, recommendations regarding additional reporting are ack. Note that, prior to Golder's Klondike Site drilling & aquifer testing, Riley Mulligan, Ph.D., P.Geo, Quaternary Geoscientist from Earth Resources and Geoscience Mapping Section, Ontario Geological Survey, Mines & Minerals Division, Ministry of Energy, Northern Development completed a study of aquifers & soil conditions in the vicinity of the Site. Geologic Survey of Canada seismic profiling lead to the Golder test drilling. Geologic mapping was improved due to this work. At this immediate time we seek further clarity on MECPs position regarding the Wasaga Beach vulnerable areas with the following question: (1) Golder's memo dated April 27, 2020; (2) NVCA's follow-up response dated June 10, 2020; (3) MECPs email dated July 29,/20. 200720_Email from Burnside to Pesheva Tea, Just checking in on if there is any more info. regarding the next steps and/or a meeting date for this project? 200629_Email from Burnside to Pesheva Tea, attached info. package for meeting.
Ministry of the Environment, Conservation and Parks Environmental Approvals Branch					
Ministry of Municipal Affairs Central Municipal Service Office	Mr.	Aly N.	Alibhai		200225_Email from SLW, NoPIC
Ministry of Municipal Affairs and Housing Ontario Growth Secretariat Growth Management Program Policy, Planning, Analysis and Delivery Branch (PAD)		Mirrun	Zaveri		200225_Email from SLW, NoPIC
Simcoe County Board of Education	Ms.	Sharon	Bate	NOCm mailed was returned, remove from Project Contact List, contact not required.	
Simcoe County Catholic School Board	Ms.	Christine	Thompson		
Simcoe Muskoka District Health Unit	Dr.	Charles	Gardner		

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Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Nottawasaga Valley Conservation Authority	Mr.	Ryan	Post	<p>210108_Email from R. Post to Burnside, NVCA is satisfied with response outlined in the attached document. Is it possible to obtain the req. GIS, in support of NVCA comment 2.</p> <p>201204_Email from R. Post to Burnside, NVCA comments on two recently submitted Golder & Assoc. Rpts. (1) the few outstanding items re-modelling (e.g., uncertainty analysis, updated vuln. scoring, threats assess. report, etc.) as stated in the previous NVCA comments submitted on June 10/20 have been addressed in MCEA-groundwater modelling & SWP Rpt. dated Oct. 2020. Approval of WHPAs is MECP. (2) As supporting info, pls. provide GIS shapefiles of new well, vulnerable areas & vulnerability scoring including the percent impervious, percent managed lands, & livestock density, etc. (3) Advise on methodology used for percent managed lands? MOE released two technical bulletins outlining the methodology for calculating percent managed lands and livestock density. (4) Three proposed pumping wells were modelled at 20 L/sec each (as denoted in Pumping Wells of the Township of Clearview Stayner Long Term Water Supply Sch B MCEA-groundwater modelling & SWP Rpt.; however, Intro. states “based on the 2018 testing, it is inferred that the construction of four municipal wells at the Site (with one as standby by for firm capacity) would be able to supply ad additional 120 L/s of maximum daily demand to Stayner. Assuming a maximum daily factor of 2.0, the ADD would be 60 L/s.” Pls. advise why the WHPAs were delineated using the ADD instead of the MDD. (5) It is noted in water supply exploration addendum further water supply development that “if three wells are placed at the point of an equilateral triangle with sides 8 m long, then each operating well operating at 40 l/s would have a drawdown of 6.1 m (1.5m of drawdown from the other wells & 3.1 m of drawdown from its operation)”. However, the WHPA figures in the groundwater modelling & SWP Rpt. outline the wells in a north south alignment. Pls. advise on configuration. (6) Are Golder reports AODA compliant (7) ensure Appendix F- Supplemental items to facilitate Ministry’s review of AR & Plan Amendments under s.34 of CWA-Municipal Obligations for Implementing Reg. Req. in SGBLS Region completed by LSRCA & dated Nov. 2020 is filled out.</p>	<p>210106_Email from Burnside to R. Post, Pls. AODA compliant version of Golder Rpt., as requested at link below.</p> <p>210104_Email from Burnside to R. Post, Thanks for comments Dec.4/20 in response to Golder’s Rpts. Pls. find attach. our response (via Golder) to comments. Comments have been circulated to MECP, to ensure are aware of add. info.</p> <p>200225_Email from SLW, NoPIC</p> <p>200603_Email from Burnside confirmed with NVCA that the wells will be constructed at least 100 m from the property boundaries to ensure municipal control of the land activities in the WHPA A.</p> <p>200512_Email from Burnside, to NVCA comments; Watercourse Crossings - Mounting the watermain on the bridge deck is not desirable as it poses operational difficulties such as freezing. We will ensure a vertical separation distance of 2 m is proposed at the tunneled crossings. Detailed ESC plans will be provided as part of the detailed design phase, with referenced document. Mitigation measures pertaining to potential impacts to natural heritage features are in Sections 3.1, 3.3 and 3.4. Mitigation measures are provided in the EA Addendum Report. We undertook a pre-screening & have not contacted MECP. We do not anticipate impacts to SAR based on the site characteristics. Potential impacts to SAR can be mitigated through timing restrictions or work methods as noted in the mitigation measures provided in the EA Addendum Report. Mitigation measures pertaining to potential impacts to aquatic features in Section 3.1 and 3.5. We do not intend to update the Aquatic Conditions Memo at this time because the mitigation measures are provided in the EA Addendum Report.</p> <p>200429_Email from Burnside requesting confirmation whether comments will be provided.</p> <p>200402_Email from Burnside notified NVCA of PIC & that comments were being incorporated with link to documents for review.</p>
Nottawasaga Valley Conservation Authority	Mr.	Ryan	Post	<p>200622_Email from R. Post to Tea Pesheva, MECP, Clearview has submitted a Sch B, for the Long Term Water Supply MCEA, to add an additional municipal well(s), (1585 Klondike Park Road). Recognized there are a few outstanding items reg-modelling required to update SSP. Request to meet with MECP to outline tech. work completed to date in case any flags are raised & in order to avoid costly redos should further revisions to the model construction or calibration be required. Pls. advise of dates & time.</p> <p>200610_Email from R. Post to Burnside, Attach. comments on new municipal wells. MCEA is to add a well(s), to existing groundwater-based system. Docs reviewed: Ltr. Burnside, dated April 29/20 regarding “Future well in Stayner, update to SWPP”; Stayner long term water supply Class EA: Hydrogeology info. pkg. & SWP considerations provided by Golder Associates & dated April 27, 2020. Background comments: Proposed well will service Stayner, abstracted from the A3 regional aquifer. Three wells (additional 60 L/s of avg. daily demand & 120 L/s of maximum daily demand) to Stayner. Modelling estimates hydrogeological effects of proposed new supply well pumping, including potential drawdown, well interference & baseflow changes at surface water receptors. Supply well capture zones have been delineated to identify any water quality/quantity risks (see Ltr. for details of modelling). Recom. NVCA start engagement with MECP through S.34 amendment process, subject to Clearview support to outline technical work completed to date in case any flags are raised & in order to avoid costly redos should further revisions to the model construction or calibration be required by the MECP. Once completed, submitted & satisfactorily reviewed the NV SPA will issue a notice to the owner stating that the work is complete at which point the owner can then apply for a drinking water works/permits/ license. Complete list of technical work required from Clearview is outlined App. E- Checklist of files to be submitted to SPA as outlined in SGB-LS Region AR & Plan Amend. under S. 34 of the CWA- Internal Process for Implem. Reg. Req. in SGB-LS Region & dated July 2019.</p>	

LEGEND					
SEND BY EMAIL					
DO NOT SEND FURTHER CORRESPONDENCE					
Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Nottawasaga Valley Conservation Authority		Lee	Bull	<p>200608_Email from L. Bull, NVCA staff has reviewed the following info. from Jennifer Georgas, “RE: Long Term Water Supply to Clearview, Community of Stayner – NVCA ID #39007”, dated May 12, 2020 Report: Burnside, “Addendum to Long Term Water Supply to Clearview, Sch. B, Class EA”, dated May 2020: Ecology, Engineering, SWP (see email for details).</p> <p>200430_Email from L. Bull, Pls see comments on several figures, NH memo, Aqua memo, & PIC slides. not have any concerns with respect to flood or erosion hazard (in addition this proposed site is not regulated), however, watercourse crossings are regulated & permit will be required. Pls. consider mounting watermain on the side or underside of existing bridge deck or tunnell, & ensure a minimal vertical separation of 2m is proposed between the obvert of the watermain & the invert of the watercourse. ESC - Pls. submit full-scale ESC plan(s) for each individual watercourse crossing. Ensure the ESC Guideline for Urban Construction, Dec. 2006 is referenced. Choose acceptable ESC measures & the applicable design details. NH Memo adequately describe terrestrial conditions & highlights several potential constraints related to habitat for SAR, as well as direct observations of SAR. These constraints are likely minor in nature, & ESA compliance can presumably be demonstrated through appropriate mitigation program. However, the NH Memo does not outline this mitigation program; it references an EA Addendum Report. Pls provide specific mitigation measures in Memo, we might suggest proponent consult with MECP. Aquatic Memo adequately describe aquatic habitat conditions including a breakdown of the thermal regimes & likely species assemblages associated with each watercourse crossing. Highlights appropriate in-water timing windows, further concludes that if in-water works are required, additional assessment should be undertaken to prepare submissions for authorizations under the Fisheries Act. However, Aquatic Memo should also highlight appropriate mitigation measures for works in the vicinity of these watercourses, even if in-water works are not required, e.g. ESCs, Spill Response, construction staging instructions, etc. any mitigation measures specifically related to fish habitat protection should also be appropriately contained in the Aquatic Memo. NVCA staff wish to review a report which comprehensively ties all natural heritage & aquatic-related considerations, as well as the above-noted mitigation concerns.</p> <p>200519_Email from L. Bull, NVCA staff has reviewed the following material: Township of Clearview Stayner Long Term Water Supply Sch B MCEA Supply Exploration Addendum by Golder Associates and dated Dec. 21, 2018 Based up our review of the above noted report we offer the following comments: Background, SWP.</p> <p>200402_Email from L. Bull, Would it be possible to get a copy EA report & technical studies for review; also the PIC slide deck; and alternative solutions/preferred solution.</p>	<p>200512_Email from J. Georgas, Responses to comment Watercourse Crossings - Mounting the watermain on the bridge deck is not desirable as it poses operational difficulties such as freezing. We will ensure a vertical separation distance of 2m is proposed at the tunneled crossings. ESC - Detailed ESC plans will be provided as part of the detailed design phase. We will reference the above referenced document. Mitigation measures pertaining to potential impacts to natural heritage features in Sect. 3.1, 3.3 & 3.4. We do not intend to update the Natural Heritage Memo at this time because the mitigation measures are provided in the EA Addendum Report. We undertook a pre-screening (as per client), have not contacted MECP. We don’t anticipate impacts to SAR based on the site characteristics. Potential impacts to SAR can be mitigated through timing restrictions or work methods as noted in the mitigation measures provided in the EA Addendum Report. Mitigation measures pertaining to potential impacts to aquatic features in Sect. 3.1 & 3.5. We do not intend to update the Aquatic Conditions Memo at this time because the mitigation measures are provided in the EA Addendum Report.</p> <p>200603_Email from J. Georgas, Per email we can confirm that the wells will be constructed at least 100 m from the property boundaries to ensure municipal control of the land activities in the WHPA A.</p> <p>200429_Email from J. Georgas, Pls. confirm that NVCA will not be providing any comments.</p> <p>200402_Email from J. Georgas, PIC on March 5, 2020, with comment period until March 27th. Currently, incorporating comments & preparing issuance for 30-day public review period. Pls. see link to documents for review. We note that as the Addendum report has not been finalized, these are still considered draft list of documents.</p> <p>200402_Email from M. Rawn We have been working with Ryan Post, who attended PIC; he may be able to fill in any blanks. After review pls. let us know if there is anything else required.</p> <p>200225_Email from SLW, NoPIC</p>
Ministry of Agriculture, Food and Rural Affairs	Mr.	Arthur	Churchyard		200225_Email from SLW, NoPIC
Ministry of Heritage, Sport, Tourism and Culture Industries		Joseph	Harvey	200306_Email from J. Harvey to J. Georgas, Pls send initial EA to which the addendum refers.	200306_Email from J. Georgas to J. Harvey, Requested attach. original EA Notice.
Ministry of Heritage, Sport, Tourism and Culture Industries		Dan	Minkin	<p>210125_Email from D. Minkin, Ltr. with comments. Rpt. sections refer to built heritage resources & cultural heritage landscapes collectively as “cultural heritage resources”. Cultural heritage resources is a term that includes archaeological resources, which are outside the scope of this report, MHSTCI recommendS that built heritage resources & cultural heritage landscapes be referred to as such, or by appropriate acronyms. Aside from these matters of terminology, we have no substantial concerns with the CHRA.</p> <p>201218_Email from D. Minkin, Thanks for sending the CHAR, staff will aim to have any comments to you by Jan. 22 as requested.</p> <p>200306_Email from Joseph Harvey (on behalf of D. Minkin, attach. letter ack. receipt of NOCm. Ltr-MHSTCI’s interest relates to mandate of conserving Ontario’s cultural heritage, including • Arch. resources, including land & marine; • Built heritage resources, including bridges & monuments; & • Cultural heritage landscapes.</p>	<p>210126_Email from JCV, Thanks for reviewing & provided comments on CHRA Rpt., comments will be passed onto ASI.</p> <p>201218_Email from JCV, Further to Dec.3/20 discussion & request to receive tech. cultural heritage studies prior to issuing Revised NOCp for EA Addendum, as noted in March 6/20 letter, pls. see copy CHRA Rpt.</p>
Ministry of Heritage, Sport, Tourism, and Culture Industries	Ms.	Karla	Barboza		200225_Email from SLW, NoPIC
Ministry of Natural Resources and Forestry Midhurst (Huronia) (Southern Region)	Mr.	Ken	Mott		200225_Email from SLW, NoPIC
Ministry of Natural Resources and Forestry Midhurst (Huronia) (Southern Region)	Ms.	Kim	Benner		200225_Email from SLW, NoPIC

LEGEND					
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Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Ministry of Transportation Central Region	Mr.	Jason	White		200225_Email from SLW, NoPIC
Ontario Provincial Police Operations Policy and Strategic Planning Bureau	Ms.	Suzanne	Kettle	200225_Email failed to Suzanne Kettle; INFO GO search shows contact Not Found	
Enbridge Gas Distribution Inc.	Mr.	Vince	Cina		200225_Email from SLW, NoPIC
Enbridge Pipelines Inc.	Ms.	Ann	Newman		200225_Email from SLW, NoPIC
Enbridge Pipelines Inc.					200225_Email from SLW, NoPIC
Enbridge Gas, General Utility Request					200225_Email from SLW, NoPIC
Union Gas	Mr.	Kevin	Schimus	200303_Email from K. Schimus, this area is outside Legacy Union Gas service area, please contact Enbridge Gas; sent revised email 200225_Email failed.	200304_Email from SLW, Thank you. We will correct your email and for this Project contact Enbridge Gas. 200225_Email from SLW, NoPIC
Union Gas Limited	Ms.	Amanda	Zocco		200303_Email from SLW regarding bounce back email from K. Schimus. 200225_Email from SLW, NoPIC
Hydro One Networks Inc.				200311_Email, attach Ltr. preliminary assessment, we confirm there are no existing Hydro One Transmission assets in the subject area. If plans for the undertaking change or the study area expands beyond that shown, pls. contact Hydro One.	200225_Email from SLW, NoPIC
Hydro One	Mr.	Kenneth	Aarup		200225_Email from SLW, NoPIC
Bell	Ms.	Carol	O'Brien		200225_Email from SLW, NoPIC
Bell Canada	Ms.	Wendy	Lefebvre		
Bell Canada	Mr.	Scott	Moon		200225_Email from SLW, NoPIC
Bell Canada, Municipal Operations Centre	Mr.	John	Lachapelle		
Rogers Communications	Ms.	Marion	Wright		
Rogers, General Utility Request					200225_Email from SLW, NoPIC
Rogers	Mr.	Tony	Dominguez		200225_Email from SLW, NoPIC

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Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Epcor Utilities	Mr.	Ted	Burrell		200225_Email from SLW, NoPIC
Epcor Utilities		Jody	Wilson		200225_Email from SLW, NoPIC
Town of Wasaga Beach	Mr.	George	Vadeboncoeur		200225_Email from SLW, NoPIC
Town of Collingwood	Ms.	Christine	Hahn		200225_Email from SLW, NoPIC
Township of Springwater	Mr.	Jeff	Schmidt		
Township of Essa	Ms.	Colleen	Healey-Dowdall		200225_Email from SLW, NoPIC
Town of New Tecumsth		Blaine	Parkin		
County of Simcoe	Mr.	Mark	Aitken		
Stayner Paramedic Station					
Fire Department		Roree	Payment	200225_Email from R. Payment will be out of office until March 2.	200225_Email from SLW, NoPIC
Chippewas of Georgina Island	Ms.	Natash	Charles		200512_Email from SLW, Township finalizing Project. Study Team circulated PIC on February 25, 2020, requested level of interest & to provide any comments and/or concerns. Through follow up calls messages were left on April 1st and April 14th, however, we have not yet received comment from your community to date. Ack. offices may be closed due to COVID-19 pandemic & appreciate may have limited staff. Township is preparing to issue the Revised NOCp & would like to request further whether your community has any concerns/ issues or wished to provide any comments. We hope to hear from you soon. 200401 & 14_ call, left message for Natasha Charles; April 14, 2020 left message for Natasha Charles. 200225_Email from SLW, NoPIC
Chippewas of Georgina Island	Chief	Donna	Big Canoe		
Beausoleil First Nation		Mike	Smith		

LEGEND					
SEND BY EMAIL					
DO NOT SEND FURTHER CORRESPONDENCE					
Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Beausoleil First Nation	Ms.	Jane	Copegog		200512_Email from SLW, Township finalizing Project. Study Team circulated PIC on February 25, 2020, requested level of interest & to provide any comments and/or concerns. Through follow up calls were made on April 1, 13 and 14, 2020; however, we have not yet received comment from your community to date. Ack. offices may be closed due to COVID-19 pandemic & appreciate may have limited staff. Township is preparing to issue the Revised NOCp & would like to request further whether your community has any concerns/ issues or wished to provide any comments. We hope to hear from you soon. 200414_call, put through to Crystal; however, no one picked up call. 200413_called but was holiday for community so couldn't speak to anyone. 200225_Email from SLW, NoPIC
Beausoleil First Nation	Mr.	A. Dan	Monague		200225_Email from SLW, NoPIC
Chippewas of Mnjikaning First Nation (Rama)		Sharday	James	200302_Email from S. James, Thanks for your email. At this time we have no comments. Pls. continue to contact us on any future projects.	200225_Email from SLW, NoPIC
Saugeen Ojibway Nation		Doran	Ritchie		200512_Email from SLW, Township finalizing Project. Study Team circulated PIC on February 25, 2020, requested level of interest & to provide any comments and/or concerns. Through follow up calls were made and messages left on April 1st and 14th , 2020; however, we have not yet received comment from your community to date. Ack. offices may be closed due to COVID-19 pandemic & appreciate may have limited staff. Township is preparing to issue the Revised NOCp & would like to request further whether your community has any concerns/ issues or wished to provide any comments. We hope to hear from you soon. 200401 & 14_Call to D. Ritchie, left mgs. Whether email was received & if community had any comments/ issues/ concerns (both SON & Chippewas of Nawash First Nation. 200225_Email from SLW, NoPIC, As per Chief Greg Nadjiwon of the Chippewas of Nawash First Nation
Chippewas of Nawash First Nation	Chief	Greg	Nadjiwon		As per Chief Greg Nadjiwon of the Chippewas of Nawash First Nation, Doran Ritchie is to be sent correspondence
Nation Huronne-Wendat	Mr.	Maxime	Picard	200225_Email from M. Picard, Thanks following-up quickly, Pls. keep us Nation updated in the event that any further arch. stages are initiated as part of the next project phases. 200225_Email from M. Picard, Thanks info., could you pls. let us know if there will be any arch. investigation as part of EA Addendum?	200225_Email from JCV, We will keep the Nation updated of any further archaeological stages. 200225_Email from JCV, A Stage 1 Arch. Assess. (AA) was completed by ASI for this Addendum. A licensed arch. visited the area to assess the arch. integrity of the Study Area; however, no intensive arch. investigation was undertaken (like test pitting or pedestrian survey). Further arch. investigation may be required if the final design for project shows construction activity entering into the areas of arch. potential that ASI noted in the Stage 1 AA Report. We have provided a copy of the Stage 1 AA Report with this email for your info. 200225_Email from SLW, NoPIC
Nation Huronne-Wendat	Grand Chief	Konrad	Sioui		200225_Email from SLW, NoPIC

LEGEND					
SEND BY EMAIL					
DO NOT SEND FURTHER CORRESPONDENCE					
Agency/ Organization		First Name	Last Name	Comments Received	Response Given
Métis Nation of Ontario		Jesse	Fieldwebster		200414 _call, left message for Jesse Fieldwebster to confirm receipt of Notice and level of interest. 200225 _Email from SLW, NoPIC
Saugeen First Nation	Chief	Lester	Anoquot	200512 _Email from L. Anoquot, currently Saugeen FN has no issue with the MCEA Addendum. Thank you for your update. 200302 _Email from L. Anoquot, thank you	200512 _Email from SLW, Township finalizing Project. Study Team circulated PIC on February 25, 2020, requested level of interest & to provide any comments and/or concerns. On March 2, 2020 you responded, thank you. Ack. offices may be closed due to COVID-19 pandemic & appreciate may have limited staff. Township is preparing to issue the Revised NOCp & would like to request further whether your community has any concerns/ issues or wished to provide any comments. We hope to hear from you soon. 200225 _Email from SLW, NoPIC

CLIENTNAME	MAILADD1	MAILADD2	MAILADD3	EMAIL	Comment	Response
Resident					attended PIC	
Resident					attended PIC	
Resident					attended PIC	
Resident					attended PIC	
Resident					attended PIC	
Resident					attended PIC	
Resident					attended PIC	
Resident					attended PIC	
Resident					attended PIC	
Resident					200225_Email failed	
Comment Sheet 1					200305_Comment Sht., Pls email copy of PIC boards	200306_Email from Burnside, Pls. find attached a copy of the boards from PIC. These will also be available shortly on the Township's website.
Comment Sheet 2					200305_Comment Sht., When will Mottat St. have water? Will this well influence this?	200413_Email from Burnside, Construction of the well will not influence the timelines for the unserved portions of Mowat Street getting municipal water service. The planned route for the connecting watermain does not include Mowat Street. We cannot comment on the timing of water service on Mowat Street as this is outside the scope of the EA.
Comment Sheet 3					200305_Comment Sht., protect & monitor our wells. Would like to see the property & new well be fenced for security.	200413_Email from Burnside, The risk of adverse effects to the operation of private wells in the vicinity of the proposed pumping wells at 1585 Klondike Park Road (the Site) is low. Nonetheless, a PTTW for the project will not be granted by the MECP unless the Township has demonstrated that there will be no unacceptable impacts to private water supplies as a result of the proposed pumping at the Site. As such, private water supplies will be protected through the MECP permitting process. The Township is amenable to monitoring resident's private wells within the expected drawdown zone of influence until such time that it is clearly demonstrated that the municipal pumping is not having an adverse effect. Residents interested in having their wells monitored should contact the Township who, in conjunction with their hydrogeological consultants, will be preparing a monitoring plan that will become part of the PTTW approval. Pls. note that residents who have already submitted a specific request to have their wells monitored via a Comment Sheet during the PIC on March 5, 2020 are already in consideration for the future monitoring plan and will be contacted by the Township or their hydrogeological consultant at an appropriate time during the PTTW process. Comments regarding fencing and security will be considered during the Detailed Design stage of the project.
Email Comment					200303_Email from J. Georgas, Pls. add Myrna McDermid (Buckingham) mjmc@sympatico.ca to the Stayner Water EA Project Contact List.	

CLIENTNAME	MAILADD1	MAILADD2	MAILADD3	EMAIL	Comment	Response
Email Comment					200330_Email, Was our well included in the baseline data collection, as the map shows we are within range, don't recall being contacted. Will our water supply be affected. Would like to see landscaping planned for south edge of property, along the 12th, that experiences whiteouts/snowdrifts (e.g., evergreens, a berm, use of earth dug up for the well/building itself).	200330_Email from John Easton (Golder), As the property is 2 km from proposed well site, you were not contact you during the testing. There is no well record that can be directly attributed to your address, so I've attached the nearby well records. Can you tell which is yours? All of these wells are constructed in a good aquifer, which is approximately 75 ft shallower than test well. The attached wells all have pumping rates that are greater than is required for a single family home. At normal domestic water taking rates (5 gpm) none of these wells are expected to experience adverse drawdown from the proposed water system. We appreciate your interest and if you can identify which of these wells is yours we could discuss this further. 200330_Email from Mike Rawn, have to defer to Engineers to reply to the baseline well data question. Landscaping has not been discussed, possible tree planting. Your comments will be noted in the Project Contact List & added to consultation record.
Email Comment					200824_Email Pls. add to Project Contact List. I noticed a PIC for an addendum was held in March. At the end of the slides it says that an EA Addendum Report would be put out. I was wondering if this had already been completed and if so, where I could gain access to that report? That is good to know. Is there a way to sign up for email notifications when updates (i.e. report release) are available for this projects? If not, would I just keep an eye on the Township's website?	200824_Email from Burnside, We are still in the process of resolving some questions/comments with the MECP and as such the report has not been filed/finalized as of yet. This should be happening in the next month or two.

Appendix D3

Public Information Centre Boards

Addendum to Long Term Water Supply to Clearview Schedule B Class EA



Public Information Centre

March 5, 2020

4:00 p.m. – 7:00 p.m.

Township of Clearview Municipal Office

Welcome

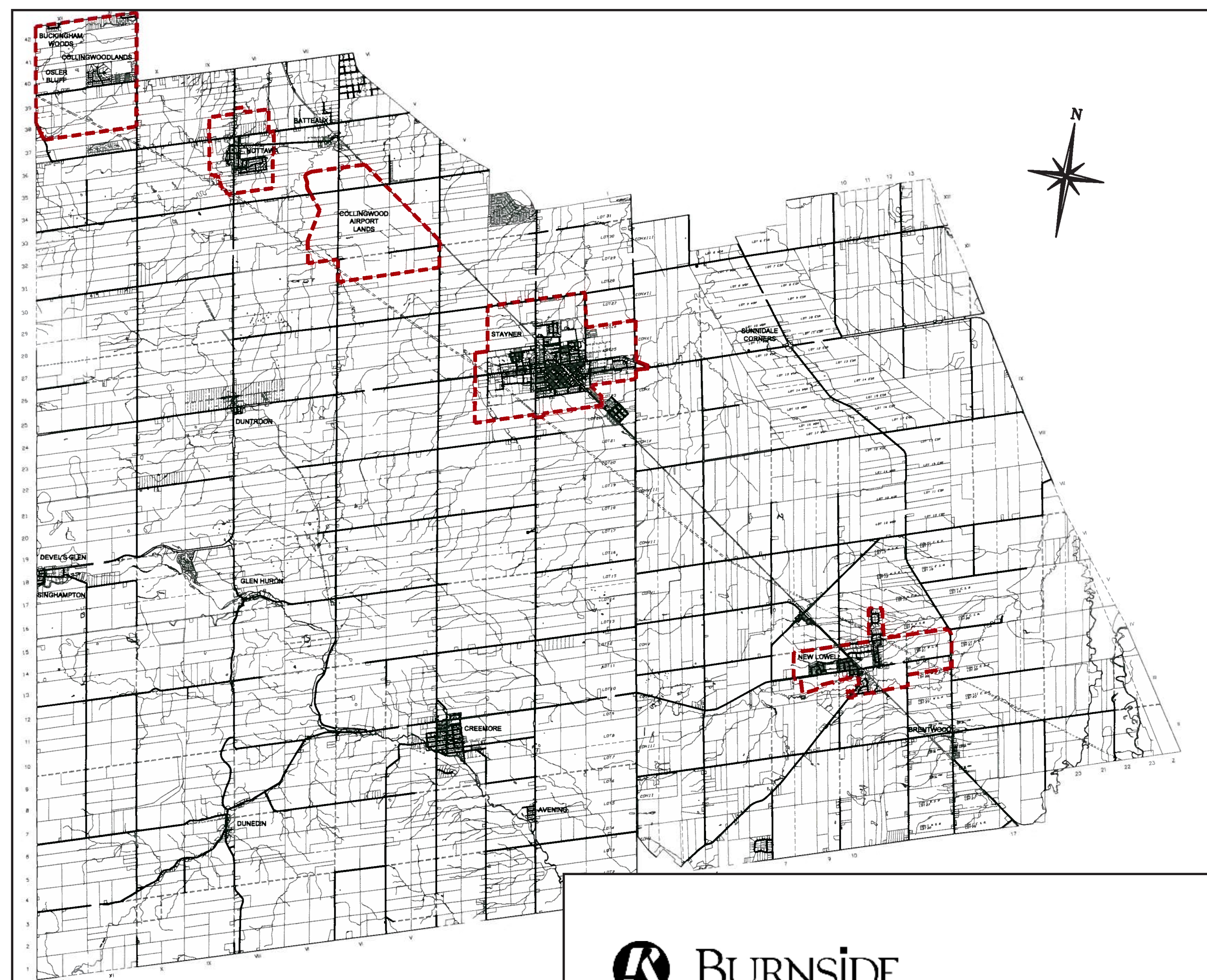
to the Public Information Centre for the
Addendum to
Long Term Water Supply to Clearview Schedule B
Class EA



- Please Sign In
- Meet with Study Team
- Review display materials and discuss your questions and ideas with Study Team
- Please fill out a comment sheet and return to Study Team in person, email or mail by March 27, 2020

Study Background

- Schedule B Municipal Class Environmental Assessment (EA) completed in 2008 by Township for Long-Term Water Supply. Several alternative solutions were considered.
- Since completion of 2008 EA, a groundwater source for local water supply to Stayner was identified based on a 2018 water supply exploration program, which has made “Expand Existing Groundwater System” the most preferred alternative over the previously identified preferred alternative.



Township of Clearview
Long Term Water Supply for Clearview
Schedule B Municipal Class EA

PROJECT FILE REPORT

Prepared by

R.J. Burnside & Associates Limited
3 Ronell Crescent, Collingwood, ON L9Y 4J6 Canada

February 13, 2008

File No: MG 03 4662

This Addendum is being undertaken specifically for the **Community of Stayner** and includes an overview of the significant modifications to the project or changes in the environment since the 2008 EA.

Stayner Water Environmental Assessment

WATER SUPPLY EXPLORATION PROGRAM

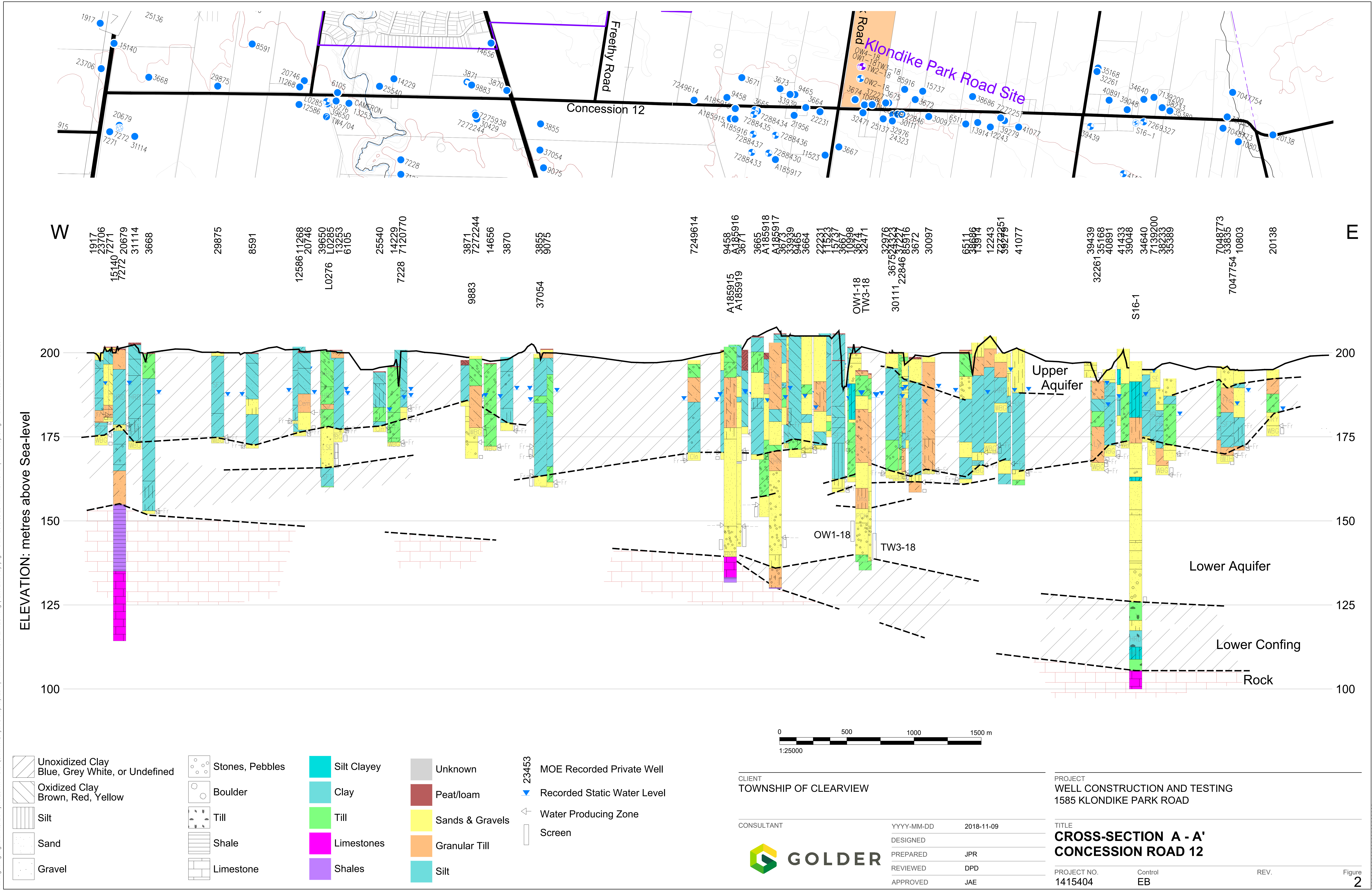
- Stayner is reliant on groundwater for its municipal water supply.
- Current system (four wells) is capable of supplying a total max taking of 64 litres per second (L/s).
- Future system must supply an average of 164 L/s and max of 313 L/s to accommodate projected population growth beyond year 2034.
- Between 2014 and 2018, Golder carried out a hydrogeologic water supply exploration program to find additional sources of water near Stayner.
- Target water source was deep (40 m+) regionally extensive aquifer “A3”.
- Program included borehole drilling, well installations, pumping tests, water level measurements, soil and water sampling.
- Additional data from South Georgian Bay Lake Simcoe Region’s Source Protection Plan, Ontario Geologic Survey, and MECP Water Well Database.
- Test well at 1585 Klondike Park Road indicated high aquifer yield and good water quality.

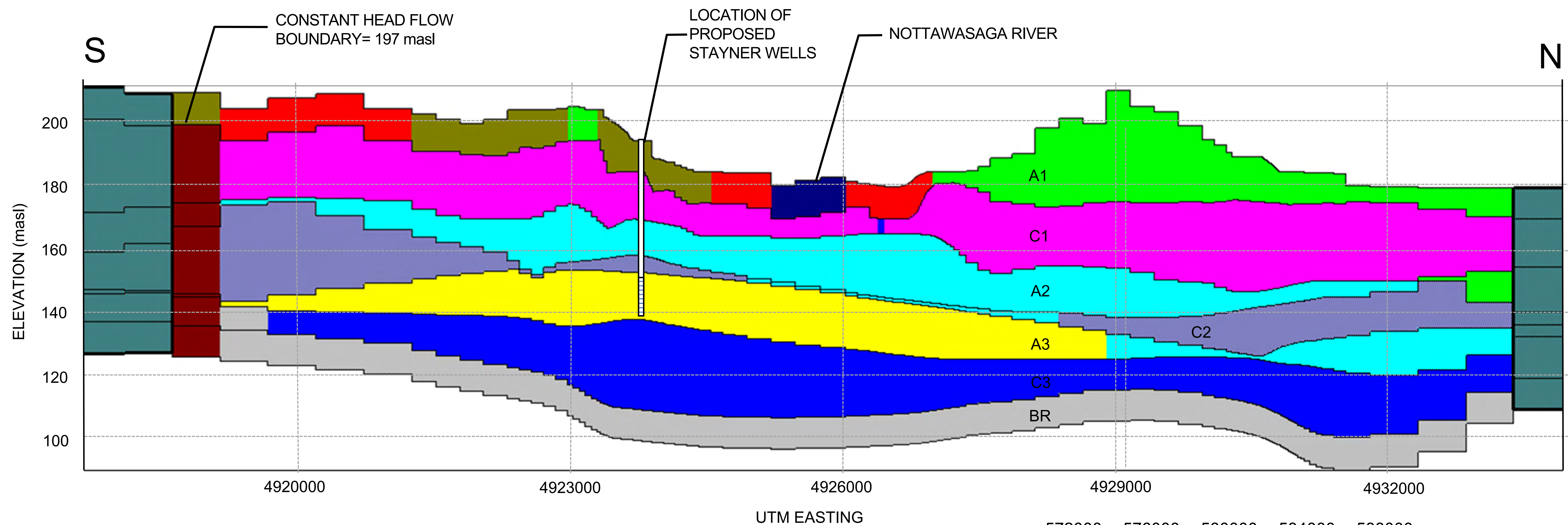
Stayner Water Environmental Assessment

GROUNDWATER MODELLING

- Computer-based (MODFLOW) numerical groundwater modelling conducted to determine effect of future pumping of three wells (total pumping 60 L/s) at 1585 Klondike Park Road.
- Model based on prior “Wasaga Beach” 3D MODFLOW model used in South Georgian Bay Lake Simcoe Region’s Source Protection Plan with updates based on field testing.
- Potential long-term aquifer drawdown, private well interference, stream baseflow changes, and well capture zones assessed.
- Drawdown in Aquifer A3 estimated at ~3 m beneath Site with zone of influence reaching 800 m.
- 14 private wells with zone of influence; all completed above A3 in intermediate Aquifer A2:
 - Drawdown at 11 wells <10% of the available water column – adverse effects unlikely.
 - Drawdown at 3 wells >10% of available water column – monitoring program should be established.
- Baseflow losses at Nottawasaga River, Marl Creek and McIntyre Creek within acceptable threshold (<10%).
- Klondike combined well capture zones trend to the southeast, reaching a width of 1.5 km and upgradient length of 2.3 km after 25 years – at least 300 m west and cross-gradient from landfill.
- Wasaga Beach capture zones minimally affected as a result of Klondike Road pumping.

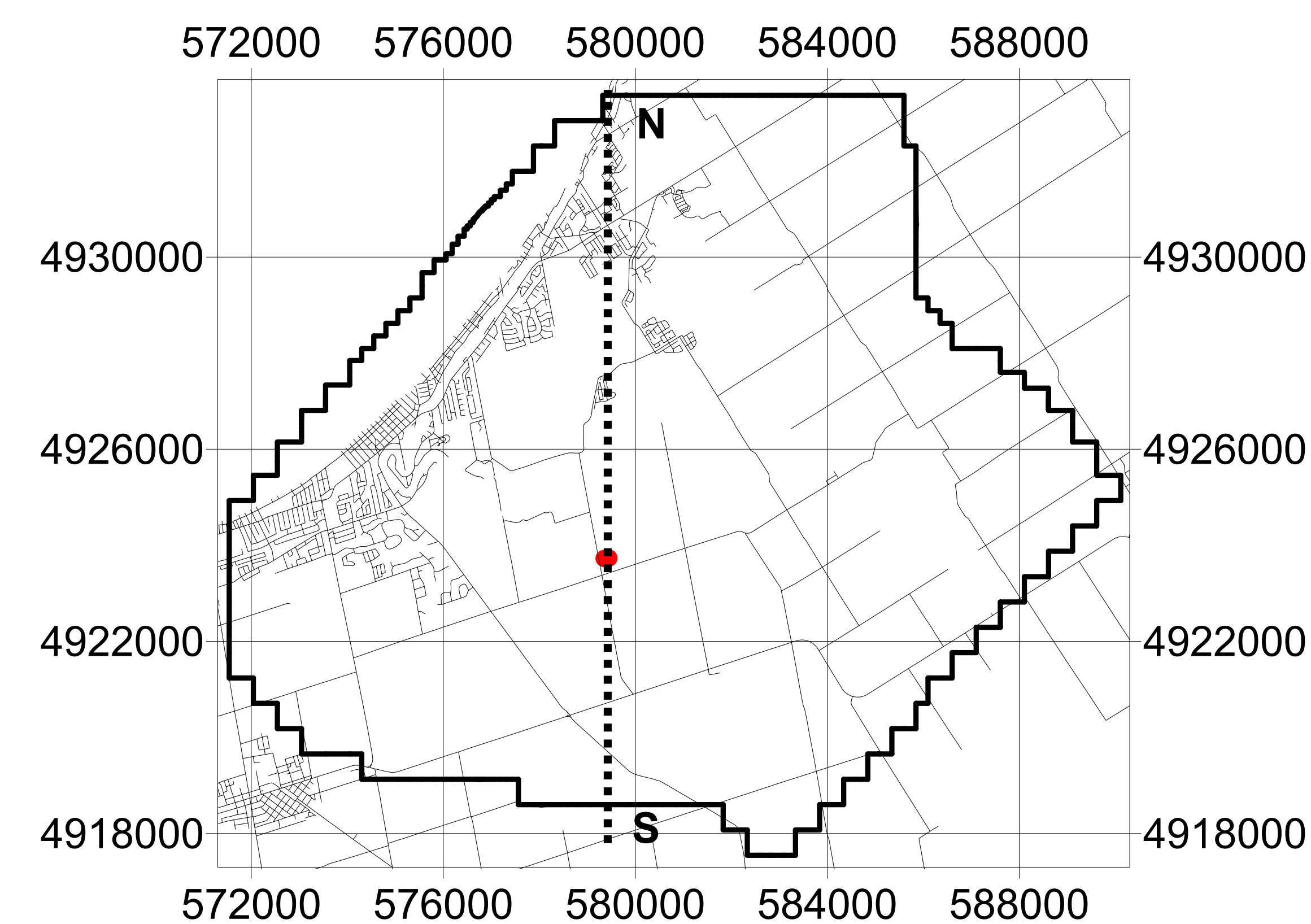
Path: \\golder-gba\barrie\CAD\Projects\2014\1415404\Clearview_Hydrog Stayer\LEB\1 File Name: 1415404EASECT.dwg | Last Edited By: jregier Date: 2019-03-25 Time: 1:57:46 PM | Printed By: jregier Date: 2020-02-21 Time: 10:52:26 AM





LEGEND

■ SURFICIAL TILL (K= 1E-6 M/S)	■ A3 SAND AND GRAVEL AQUIFER (K= 1E-3 M/S)
■ A1 SAND AQUIFER (K= 1E-4 M/S)	■ C3 CLAY TILL (K= 5E-5 M/S)
■ SURFICIAL CLAY/ ORGANICS (K= 5E-7 M/S)	■ BEDROCK (K= 2E-9 M/S)
■ C1 SILT CLAY AQUITARD (K= 1E-7 M/S)	■ INACTIVE FLOW BOUNDARY
■ A2 SAND AQUIFER (K= 5E-4 M/S)	■ RIVER BOUNDARY
■ C2 SILT CLAY TILL AQUITARD (K= 5E-6 M/S)	■ CONSTANT HEAD BOUNDARY



NOTES

1. Vertical exaggeration is 35x
2. Horizontal to vertical hydraulic conductivity for each model layer = 1:1

CLIENT
TOWNSHIP OF CLEARVIEW

PROJECT
STAYNER WATER SUPPLY MODELLING

CONSULTANT
GOLDER

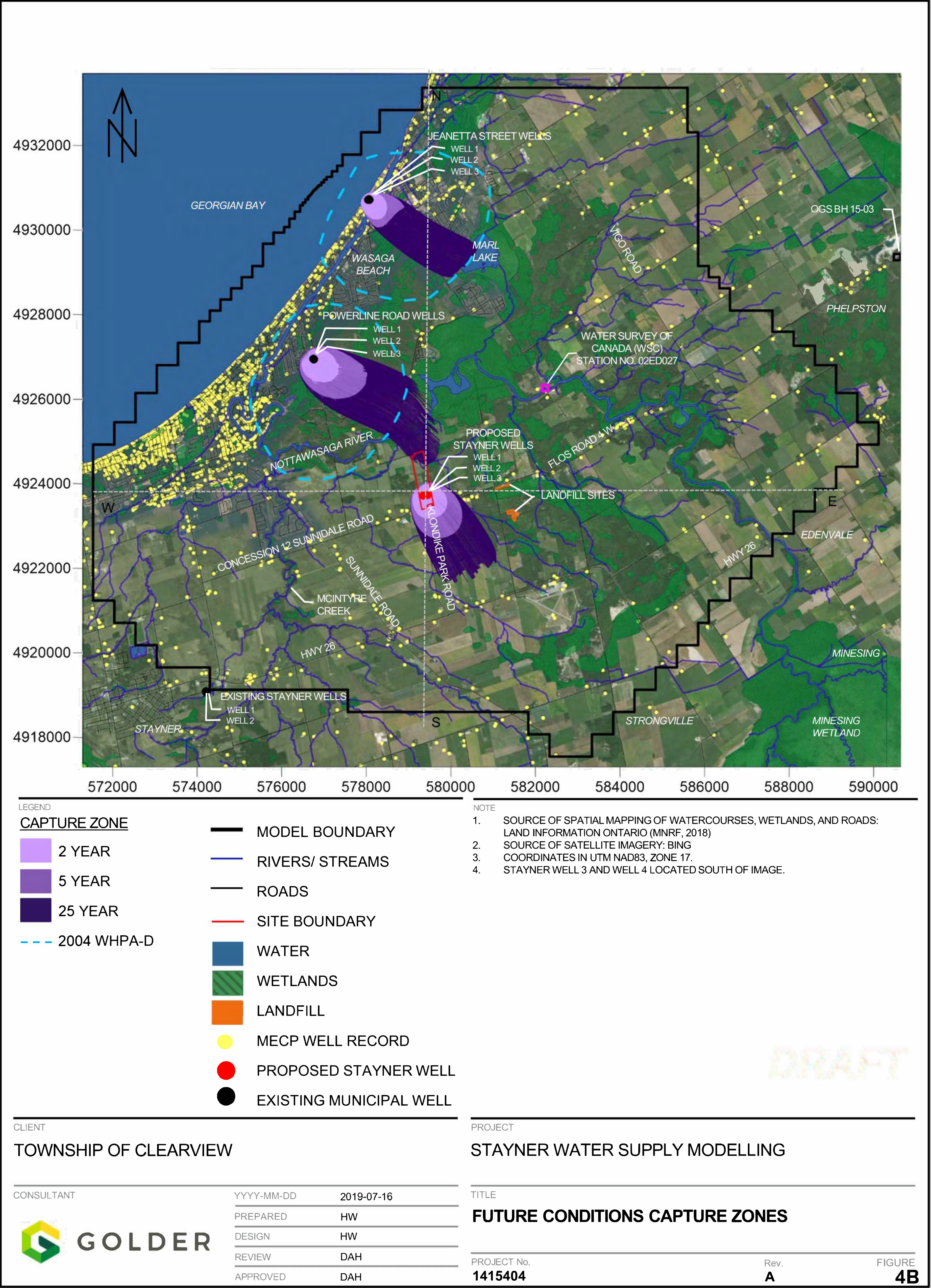
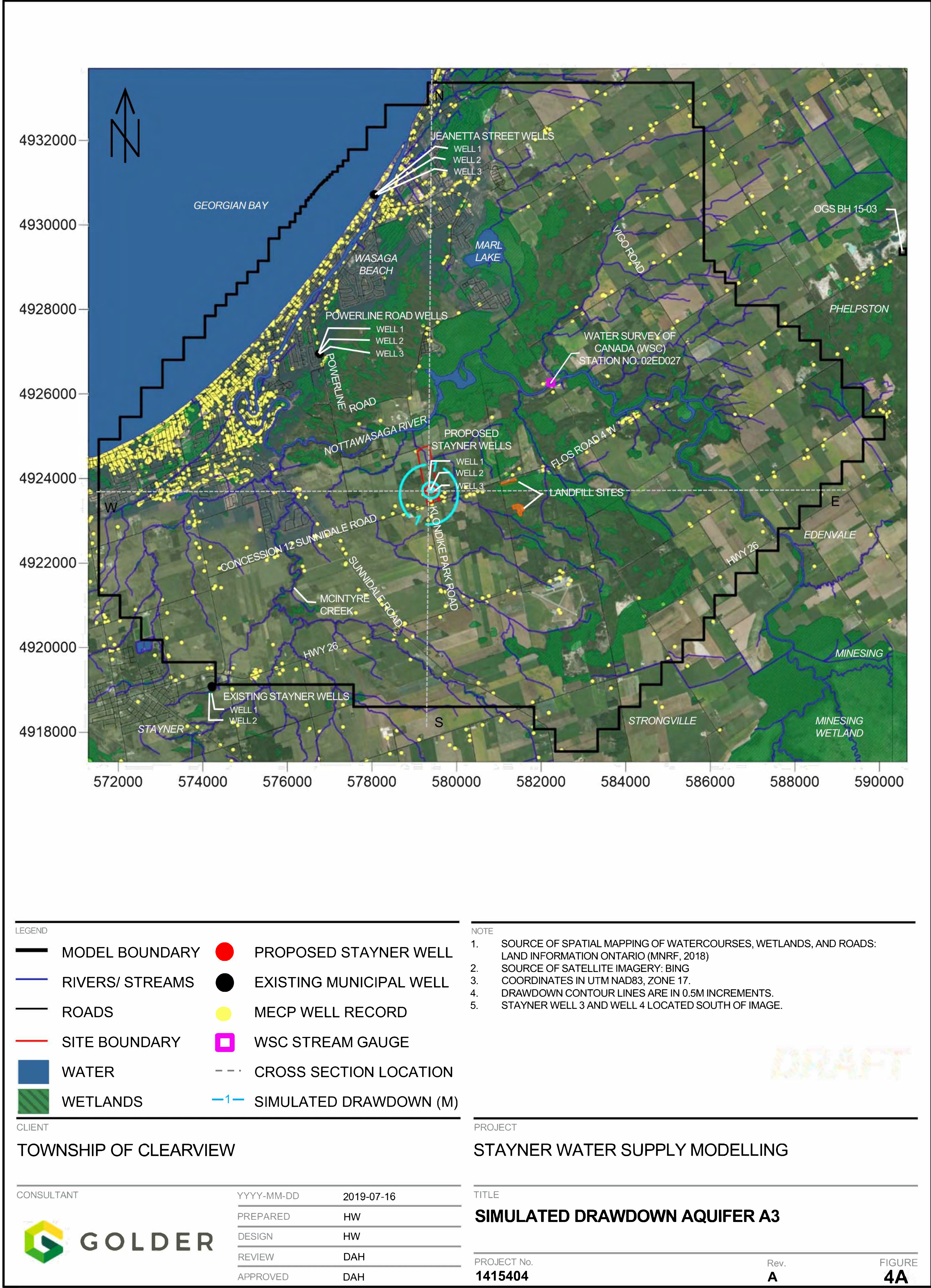
YYYY-MM-DD	2019-06-25
PREPARED	HW
DESIGN	HW
REVIEW	DAH
APPROVED	DAH

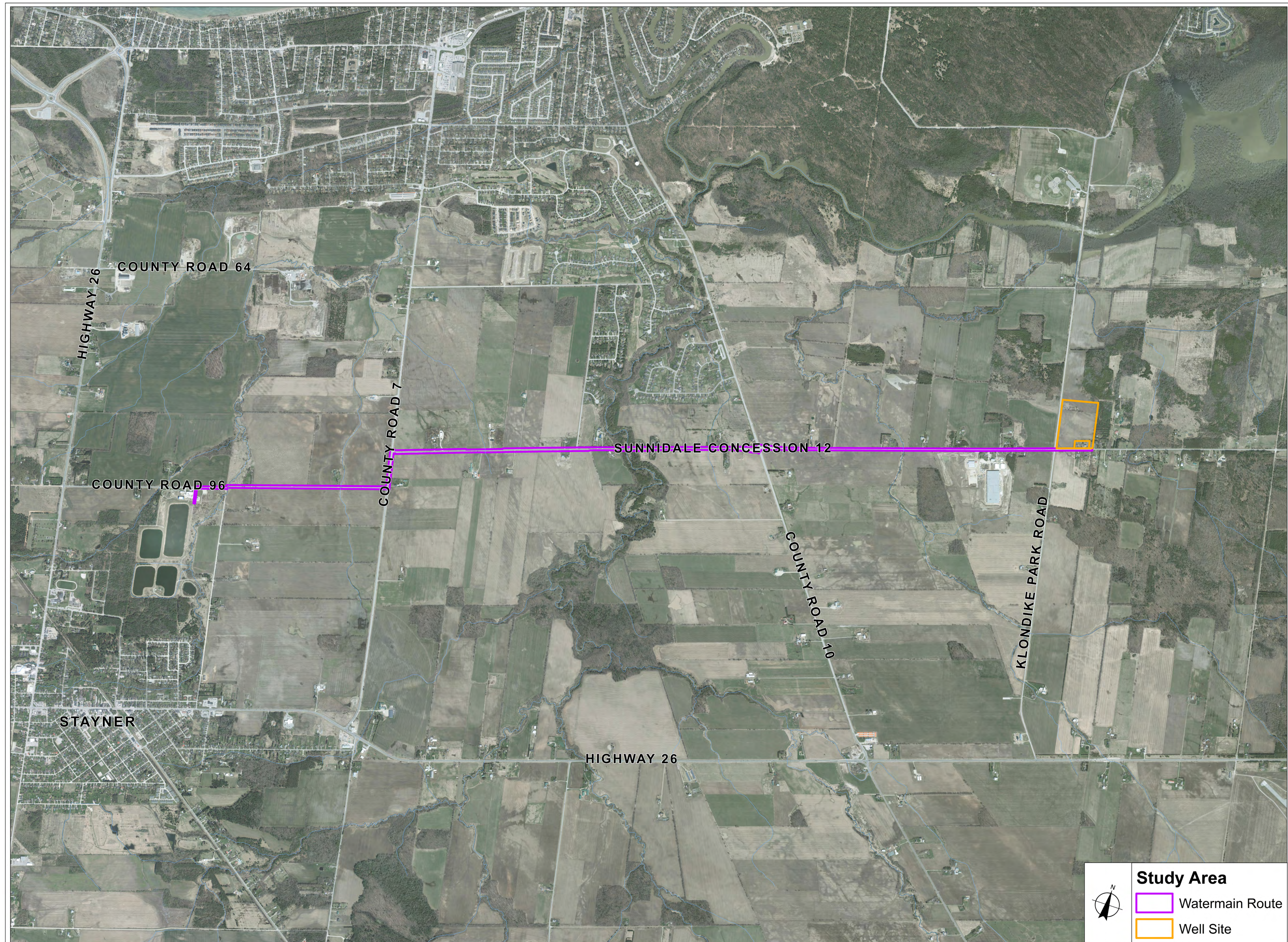
TITLE
SOUTH-NORTH MODEL CROSS SECTION

PROJECT No.
1415404

Rev.
A

FIGURE
3

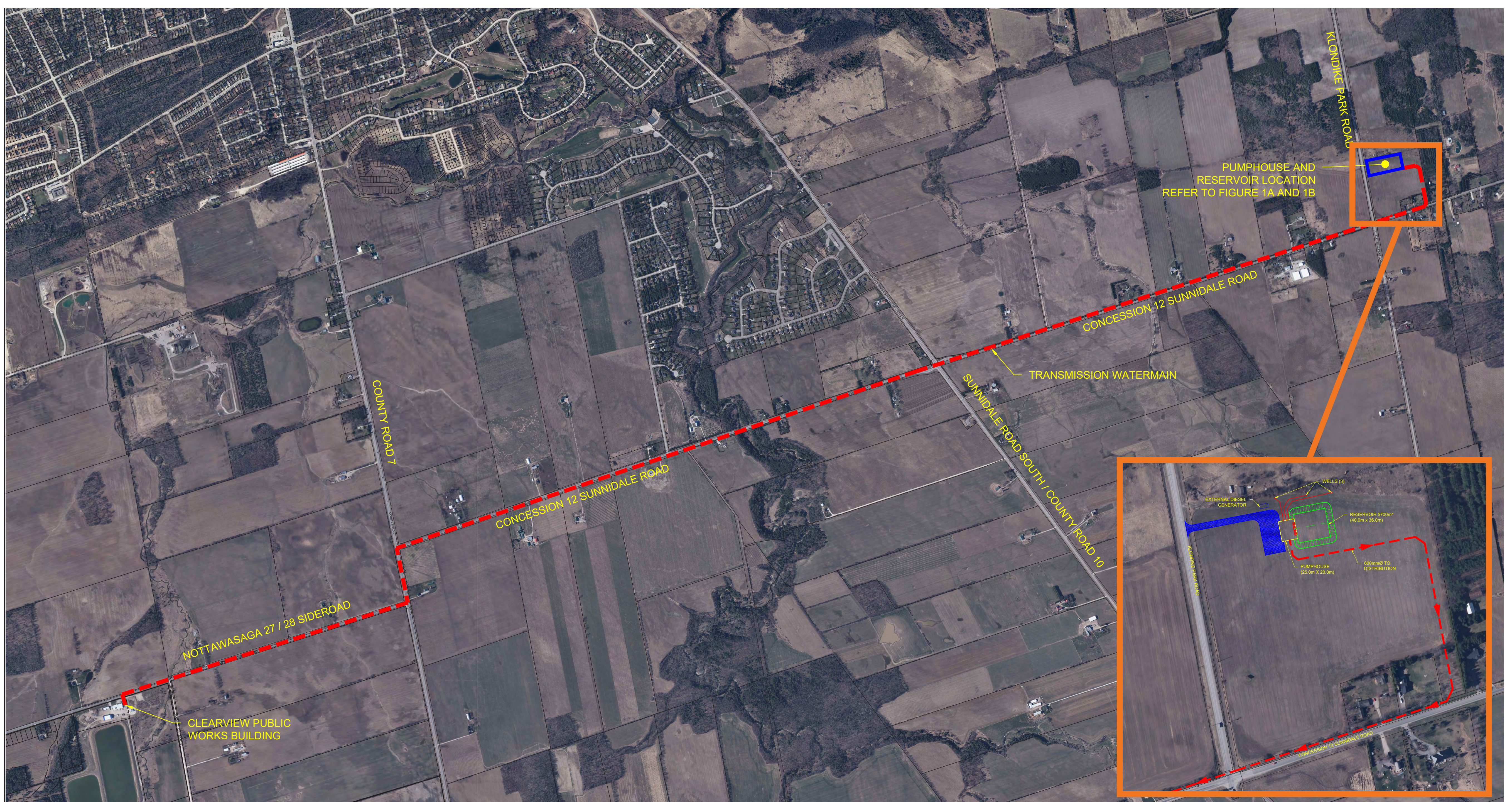




Existing Conditions

Technical Environment

- Well Site located at 1585 Klondike Park Road, approximately 9 km northeast of Stayner, north of Concession 12 Sunnidale Road.
- Watermain to connect the Well Site to the existing water distribution system proposed to run within existing rights-of-way (ROW) varying from 20 m to 30 m.
- Existing gas main and hydro poles along areas of the Watermain Route. No existing water or storm sewers along Route. Existing sanitary forcemain on a portion of Nottawasaga 27/28 Sideroad (County Road 96).



Existing Conditions

Natural Environment

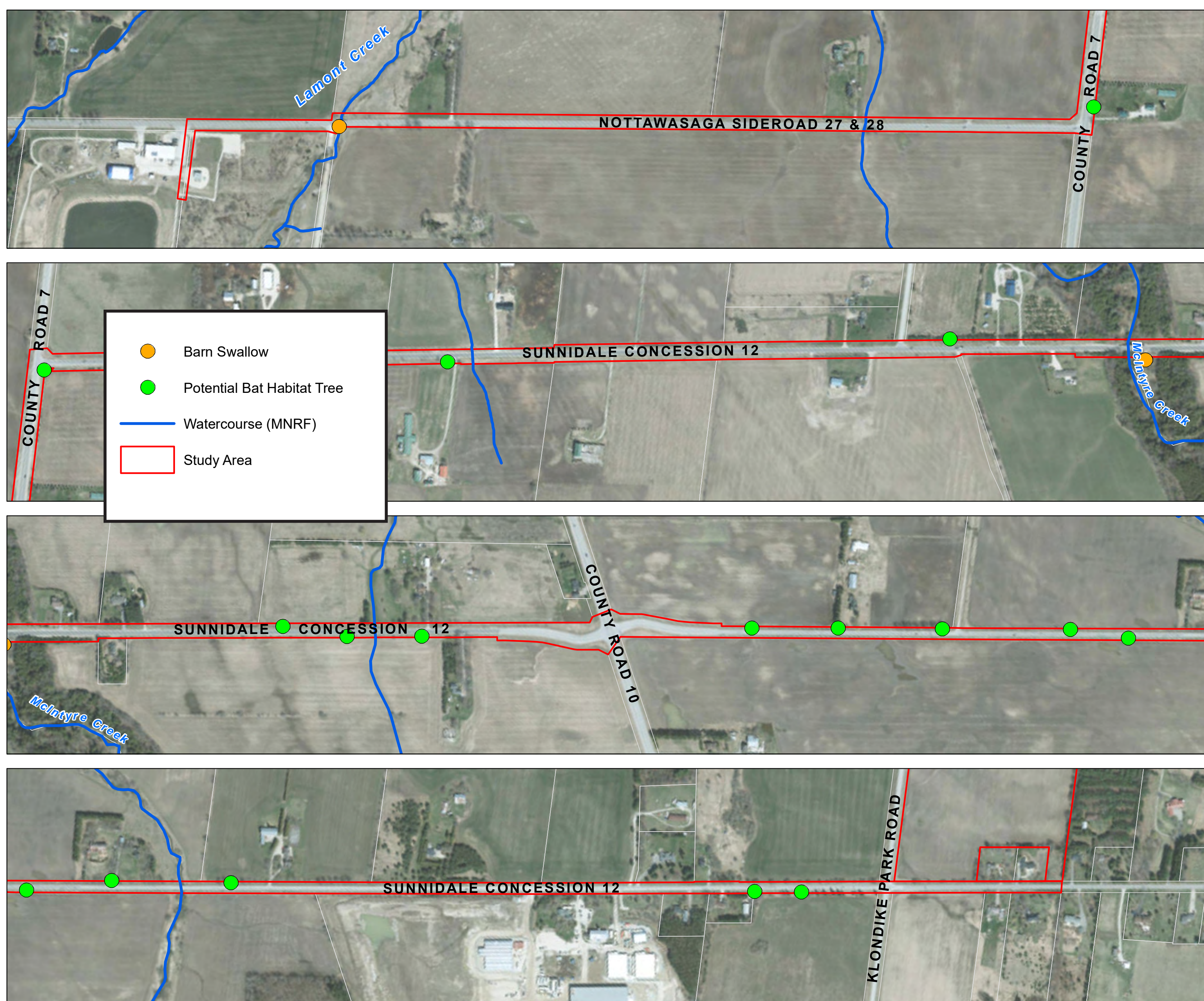
Terrestrial Habitat & Vegetation:

Five distinct ecological land classification (ELC) vegetation communities:

- Agriculture
- Meadow Marsh
- Naturalized Deciduous Hedge-Row
- Rural Property
- Right-of-Way

Potential for Species at Risk (SAR):

- Barn Swallow nests under watercourse structures
- Potential roosting Bat habitat within treed areas
- Monarch Butterfly
- Turtle habitat within / adjacent to watercourses



Fish and Fish Habitat:

- Three cool-water and three cold-water watercourse crossings in Study Area
- No Aquatic SAR located in Study Area
- Based on species that inhabit watercourses, in-water works must be completed July 15 to September 30
- Fisheries Act Letter of Advice must be obtained for in-water works

Existing Conditions

Social/Cultural Environment

Land Use

The Township owns the property at 1585 Klondike Park Road (Well Site). The Watermain Route to connect the Well Site with the existing water distribution system for Stayner is proposed to run within existing ROW.

Archaeological

Portions of the Study Area along the Watermain Route and some areas of the Well Site exhibit archaeological potential and will need to be studied further through a Stage 2 Archaeological Assessment.



Well Site exhibits archaeological potential

Cultural Heritage

Ten cultural heritage resources (six residences and three farmscapes) were identified within or immediately adjacent to the Watermain Route. No cultural heritage resources were identified on or immediately adjacent to the Well Site.

Alternative Solutions

Alternatives Solutions have been reviewed and refined through the Addendum Study process.

Alternative 1: Expand Existing Groundwater System

Alternative 2: Connect to Creemore

Alternative 3: Connect to Wasaga Beach

Alternative 4: Connect to Collingwood-New Tecumseth (C-NT) pipeline

Alternative 5: New Surface Water Plant

Modification were made to the “Expand Existing Groundwater System” Alternative in light of 2018 Hydrogeology Studies and newly identified ground water sources.

Evaluation Criteria

- Meets Supply Capacity
- Impact to Natural Environment
- Temporary Construction Disturbances
- Required Time to Complete
- Impact to Social Environment
- Water Quality
- Probability Raw Water Capacity can be Located
- Capital and Operational Costs

Through this Addendum Study the evaluation of alternative solutions from the 2008 EA was revisited with respect to meeting the study objectives, impacts to the natural, social, economic and technical environments.

Evaluation of Alternative Solutions

Alternative 1: Expand Existing Groundwater System

Suitable new identified municipal well location. Alternative 1 favorable on operational side, has moderate cost and anticipated impacts to natural environment are similar to other alternatives. **Most preferred.**

Alternative 2: Connect to Creemore

While Alternative 2 is attractive from cost and control perspective, it is not anticipated that Creemore aquifer would be capable of supporting the projected demand for Stayner. **Not preferred.**

Alternative 3: Connect to Wasaga Beach

Wasaga Beach has good groundwater supply. Costs less than connection to C-NT pipeline but certainty of supply not confirmed. Terms of the cost agreement not established. **Not preferred.**

Alternative 4: Connect to Collingwood-New Tecumseth Pipeline

Certainty of water supply not confirmed. Alternative 4 relatively quick to implement but would take more time than Alternative 1. Costs associated with purchase of water are highest of all alternatives. **Not preferred.**

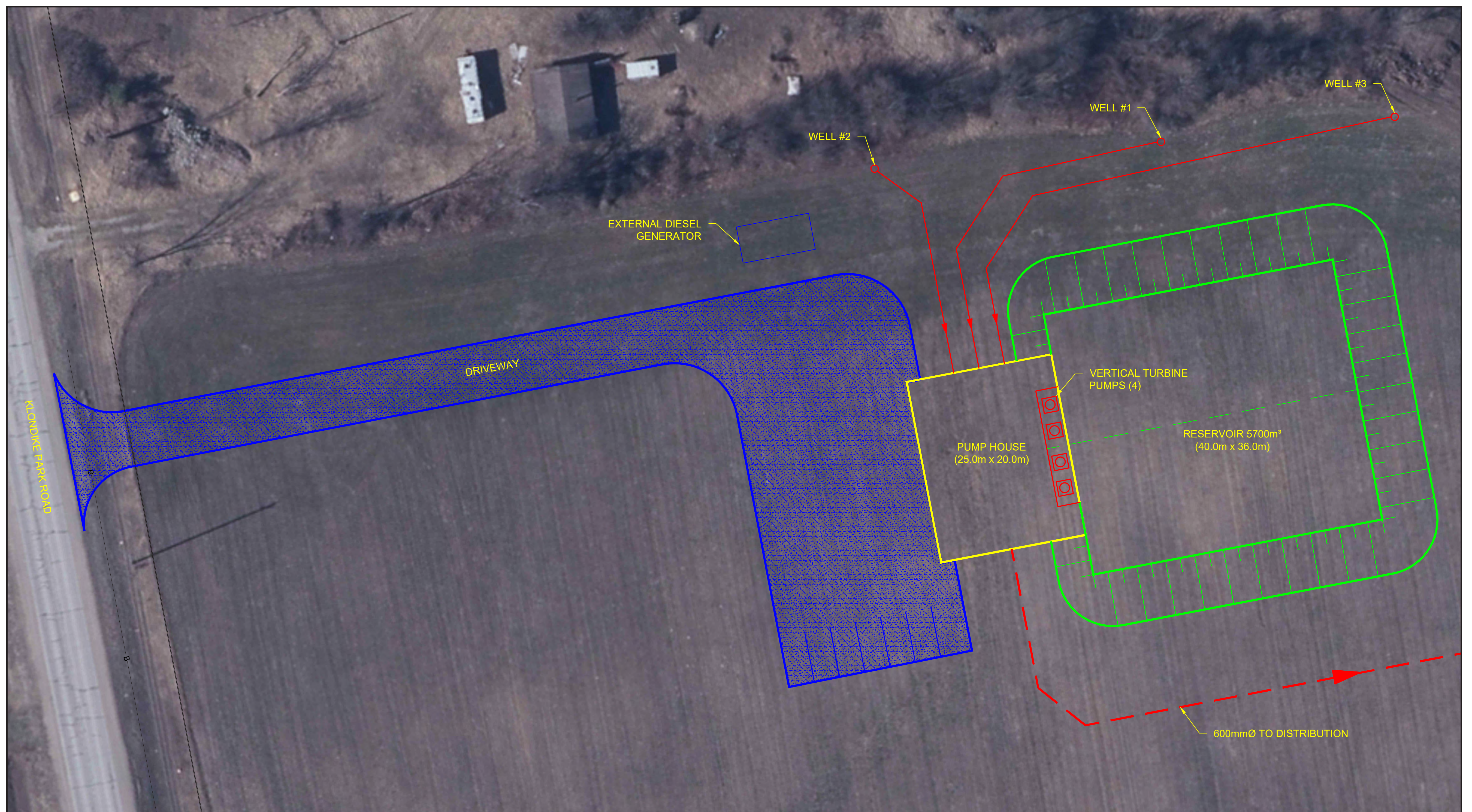
Alternative 5: New Surface Water Plant

Capital cost estimates for Alternative 5 favorable for ultimate demands. Time to complete project is long, even when considering phased treatment capacity. Land acquisition and construction of new plant costly and time consuming. **Not preferred.**

Preferred Solution

Expand Existing Groundwater System

- Revised preferred solution includes three new production wells and associated pumphouses, treatment and further expansion of storage.
- Watermain to connect into existing 200 mm watermain near Public Works Building, which connects to overall Stayner water distribution system.
- Trenchless technologies will be used to the extent possible, particularly in high traffic areas and watercourse crossings to minimize traffic and fish habitat impacts.



Next Steps

- Review feedback from PIC
- Finalize EA Addendum Report
- Issue Notice of EA Addendum
- EA Addendum Report available for public review for 30 calendar days

You are invited to provide comments by completing the comment sheet provided.

Please submit comment sheets to a Study Team member below on or before March 27, 2020.

Mike Rawn, C.E.T, CMM III
Director Public Works
Township of Clearview
217 Gideon St
Stayner, ON L0M 1S0
Tel: 1-705-428-6230 x 243
E-mail:
mrawn@clearview.ca

Jennifer Georgas, P.Eng.
Consultant Project Manager
R.J. Burnside & Associates Limited
3 Ronell Crescent
Collingwood, ON L9Y 4J6
Phone: (705) 797-4271
Email:
Jennifer.Georgas@rjburnside.com

Thank-you for attending



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix D4

Public Comments



Addendum to Long Term Water Supply to Clearview Schedule B Municipal Class EA



Comment Sheet

Public Information Centre

Date: March 5, 2020

Time: 4:00 p.m. – 7:00 p.m.

Location: Township of
Clearview Municipal Office

Name:

Address:

Postal Code:

Phone:

Email:

The Township of Clearview is undertaking an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview. The previous EA study was completed in February 2008 and encompassed numerous communities in Clearview. This Addendum focuses on the **community of Stayner only** and has been triggered by a new viable groundwater source north east of Stayner.

This PIC presents the results of additional environmental and technical studies, the alternative solutions considered and a revised preferred solution for input by the public.

Comments/Questions/Suggestions (additional space on back of page):

A copy of the boards in PDF
sent via email if possible.



Addendum to Long Term Water Supply to Clearview Schedule B Municipal Class EA



Comment Sheet

Public Information Centre

Date: March 5, 2020

Time: 4:00 p.m. – 7:00 p.m.

Location: Township of
Clearview Municipal Office

Name:

Address:

Postal Code:

Phone:

Email:

[Redacted contact information]

The Township of Clearview is undertaking an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview. The previous EA study was completed in February 2008 and encompassed numerous communities in Clearview. This Addendum focuses on the **community of Stayner only** and has been triggered by a new viable groundwater source north east of Stayner.

This PIC presents the results of additional environmental and technical studies, the alternative solutions considered and a revised preferred solution for input by the public.

Comments/Questions/Suggestions (additional space on back of page):

*I would like to know when Mowat street
will have water. Will this new well
influence this?*

[Additional space for comments]



Addendum to Long Term Water Supply to Clearview Schedule B Municipal Class EA



Comment Sheet

Public Information Centre

Date: March 5, 2020

Time: 4:00 p.m. – 7:00 p.m.

Location: Township of
Clearview Municipal Office

Name:

Address:

Postal Code:

Phone:

Email:

The Township of Clearview is undertaking an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview. The previous EA study was completed in February 2008 and encompassed numerous communities in Clearview. This Addendum focuses on the **community of Stayner only** and has been triggered by a new viable groundwater source north east of Stayner.

This PIC presents the results of additional environmental and technical studies, the alternative solutions considered and a revised preferred solution for input by the public.

Comments/Questions/Suggestions (additional space on back of page):

Protection of our well and have them
monitored please

We would to have the property in
question for new well to be fenced
to keep ATV & snowmobiles
off the land, for security & serenity

Stayner Water EA, PIC Boards

Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Fri 3/6/2020 10:50 AM

To: Joseph Mirabella <joseph@macphersonbuilders.com>

Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>

 1 attachments (3 MB)

Stayner EA Addendum PIC Boards - Low Res.pdf;

Hi Joseph,

As requested, please find attached a copy of the boards from last night's PIC. These will also be available shortly on the Township's website.

Thanks,
Jennifer



Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited
3 Ronell Crescent, Collingwood, Ontario L9Y 4J6
Office: +1 800-265-9662 **Direct:** +1 705-797-4271
rjburnside.com

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STRICTLY PROHIBITED.

If you have received this communication in error please notify the sender at the above email address and delete this email immediately.

Thank you.

Sylvia Waters

Subject: FW: Klondike well project
Attachments: 5735168.pdf; 5738233.pdf; 7195121.pdf; 5731113.pdf

From: Easton, John <John_Easton@golder.com>

Sent: Monday, March 30, 2020 11:04 PM

To: [REDACTED]

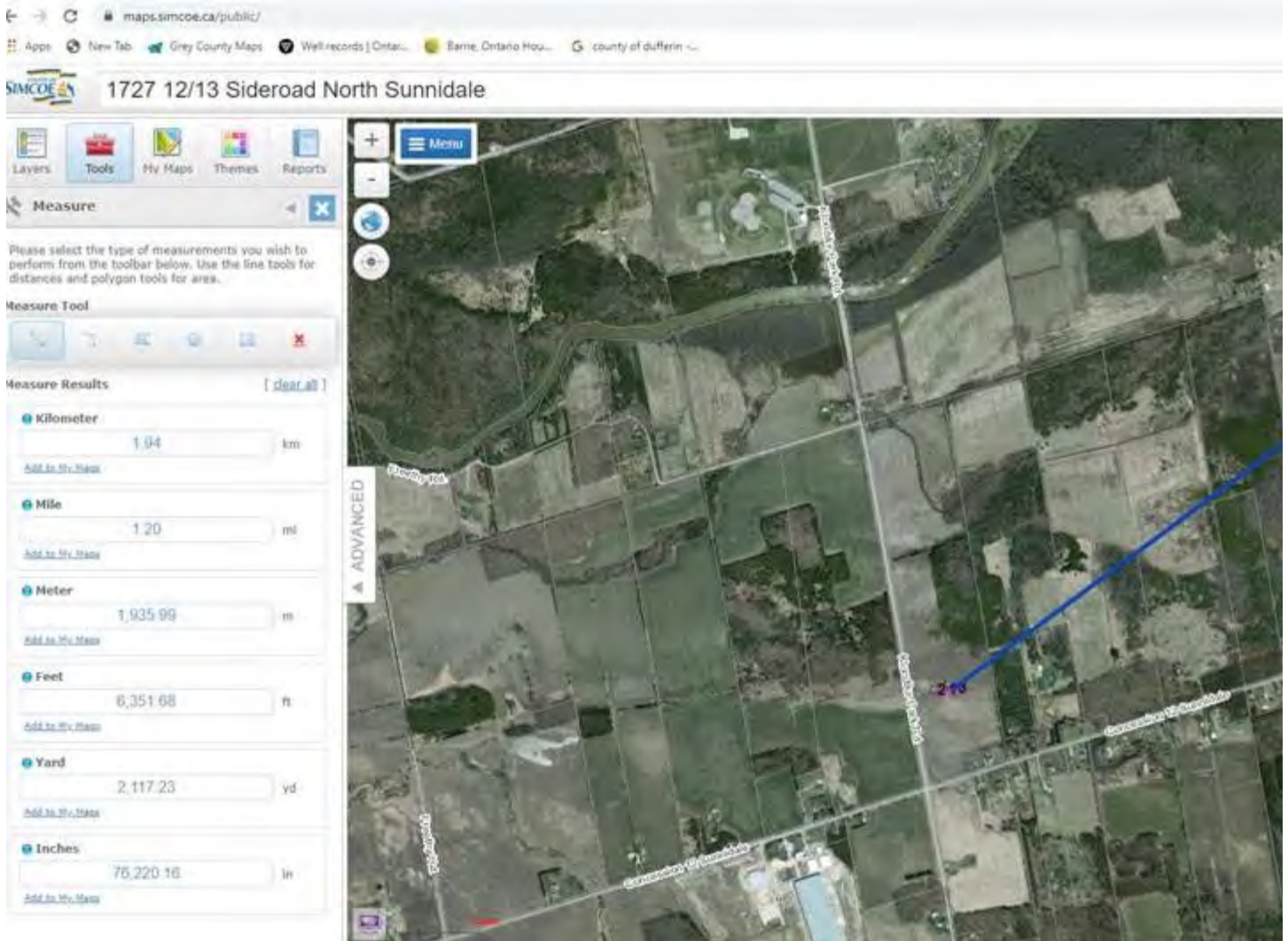
Cc: Mike Rawn <mrawn@clearview.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Hannan, Devin <Devin_Hannan@golder.com>

Subject: Klondike well project


Hi [REDACTED]

Your property is almost 2 km away from the proposed well site and for that reason we did not contact you during the testing. There is no well record that can be directly attributed to your address, so I've attached the nearby well records. Can you tell which is yours? All of these wells are constructed in a good aquifer, which is approximately 75 ft shallower than the Municipal test well. The attached wells all have pumping rates that are greater than is required for a single family home. At normal domestic water taking rates (5 gpm) none of these wells are expected to experience adverse drawdown from the proposed water system. We appreciate your interest and if you can identify which of these wells is yours we could discuss this further.

Regards,
John



John Easton (M.Sc. P.Geo.)
Senior Hydrogeologist, Associate

 **GOLDER** Associates Ltd.
121 Commerce Park Drive, Unit L, Barrie, Ontario, Canada L4N 8X1
T: +1 705 722 4492 ext 6201 | C: +1 (705) 790-9449 | golder.com
[LinkedIn](#) | [Facebook](#) | [Twitter](#)

Work Safe, Home Safe

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Please consider the environment before printing this email.

-----Original Message-----

From: Hannan, Devin <Devin_Hannan@golder.com>

Sent: March 30, 2020 16:21

To: Easton, John <John_Easton@golder.com>

Subject: FW: Klondike well project

NOTE: This email chain appears to contain email from outside Golder

Hi John,

if you scroll to the bottom of this email chain and read upwards you'll see that a resident contacted Clearview about the status of their well.

Do you have any information on this particular property at 1727 12/13 Sideroad N Sunnidale?

Thanks,

Devin

-----Original Message-----

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Sent: March 30, 2020 4:18 PM

To: Hannan, Devin <Devin_Hannan@golder.com>

Subject: FW: Klondike well project

EXTERNAL EMAIL

Jennifer Georgas, P.Eng.

Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com

Office: +1 800-265-9662 Direct: +1 705-797-4271

-----Original Message-----

From: Mike Rawn <mrawn@clearview.ca>

Sent: Monday, March 30, 2020 2:39 PM

To: [REDACTED]

Cc: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; John Easton <John_Easton@golder.com>

Subject: RE: Klondike well project

Hi [REDACTED]

I have to defer to our Engineers to reply to the baseline well data question. We have not discussed landscaping at this point. Your comment has been heard. Perhaps some trees could be planted.

We will add your comments to the EA process.

Thanks,

Mike Rawn, C.E.T., CMM III

Director of Public Works

Township of Clearview

705-428-6230 ext.243

Cell 705-441-6935

[https://urldefense.proofpoint.com/v2/url?u=http-](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.clearview.ca&d=DwlGaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_Cdp gnVfiiMM&r=FfIFB9GU1bG-)

[3A__www.clearview.ca&d=DwlGaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_Cdp gnVfiiMM&r=FfIFB9GU1bG-](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.clearview.ca&d=DwlGaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_Cdp gnVfiiMM&r=FfIFB9GU1bG-)

KNY2XZKh5HclUEX3Q_nFit5sQRQTffE&m=Pkl-_kGmBdgrJUpWpk03M2EYJk6CXMOS9ADxw4Uh7DM&s=Ns8f-rBw6VWn1g-x3ejUCskqG2fsAdTntzHYR7xGukU&e=

-----Original Message-----

From: [REDACTED]
Sent: March 30, 2020 2:06 PM
To: Mike Rawn <mrawn@clearview.ca>
Subject: Klondike well project

CAUTION: This email originated from outside of the Clearview email system. DO NOT open attachments or click links you were not specifically expecting, even from known senders.

Hello Mike,

I have two questions/comments regarding the new well.

1. Was our well included in the baseline data collection? Looking at the map, we are within the same kind of range as those who were, but don't recall being contacted. While I see that the study says there shouldn't be any issues, I would like to know about the what-if scenario of our water supply being affected.
2. I would like to see some kind of landscaping planned for the south edge of the property, along the 12th. I apologize if it has already been discussed. This is one of the sections of the 12th that experiences whiteouts and snowdrifts, and it is now within the control of the municipality to address it. This could be with evergreen plantings, a berm, or combination. Perhaps even using some of the earth dug up for the well/building itself?

Thank you for pointing me towards the presentation information.

I hope this finds you and your family well,

I hope this finds you and your family well,

Thank you,



Sent from my iPhone

Clearview Township Municipal staff continue to work to provide essential services. Please note, staff have alternating work locations to be proactive with social isolating/distancing to ensure a healthy workforce and set an example as a responsible employer in our community. If you hear a restless child because of school closures, a dog barking or other interruptions in life that will likely intrude- we apologize. We appreciate everyone's patience and understanding.

CONFIDENTIALITY NOTICE: This e-mail message (including attachments, if any) is intended for the use of the individual or entity to which it is addressed and may contain information that is privileged, proprietary, confidential and exempt from disclosure. If you are not the intended recipient, you are notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender and permanently delete this email.



Ontario

Ministry
of the
Environment

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

5731113

MUNICIPALITY 570111

CON. 13

LOT 13

COUNTY OR DISTRICT

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE

SECTION, BLOCK, TRACT, SURVEY ETC

LOT 13

DATE COMPLETED

DAY 9 MO 9

YEAR 94

1

2

ELEVATION

BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
BROWN	CLAY			0	5
GREY	"		HARD CLAY	5	24
BROWN	SAND		SAND SILT	24	28
GREY	CLAY	SILT	SILTY CLAY	28	75
BROWN	SAND		CLEAN WATER BEARING	75	79

31

32

41 WATER RECORD	
WATER FOUND AT - FEET	KIND OF WATER
75	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
70	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
79	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS
	2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERALS 6 <input type="checkbox"/> GAS

51 CASING & OPEN HOLE RECORD			
INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC	1/88	+2 76
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC		
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC		
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE 5 <input type="checkbox"/> PLASTIC		

SCREEN	SIZE (S) OF OPENING (SLOT NO.) 14	DIAMETER 6	LENGTH 3' 6"
	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN 76	FEET
	stainless steel		

61 PLUGGING & SEALING RECORD	
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
8 12	Benzol

71 PUMPING TEST	PUMPING TEST METHOD	10 PUMPING RATE	11-14 DURATION OF PUMPING
	1 <input type="checkbox"/> PUMP 2 <input checked="" type="checkbox"/> BAILEY	10 GPM	1 15-16 HOURS 17-18 MINS
	STATIC LEVEL	WATER LEVEL END OF PUMPING	25 WATER LEVELS DURING
	8	70	15 MINUTES 70 20-24 70 25-28 70 30-33 70
	IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
		1 <input checked="" type="checkbox"/> CLEAR 2 <input type="checkbox"/> CLOUDY	
	RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
	<input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	70	10

FINAL STATUS OF WELL	1 <input checked="" type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL	5 <input type="checkbox"/> ABANDONED, INSUFFICIENT SUPPLY 6 <input type="checkbox"/> ABANDONED, POOR QUALITY 7 <input type="checkbox"/> UNFINISHED 9 <input type="checkbox"/> DEWATERING	
	1 <input checked="" type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL	5 <input type="checkbox"/> COMMERCIAL 6 <input type="checkbox"/> MUNICIPAL 7 <input type="checkbox"/> PUBLIC SUPPLY 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING	9 <input type="checkbox"/> NOT USED
	METHOD OF CONSTRUCTION	1 <input type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input checked="" type="checkbox"/> ROTARY (AIR) 5 <input type="checkbox"/> AIR PERCUSSION	6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING <input type="checkbox"/> DIGGING <input type="checkbox"/> OTHER

LOCATION OF WELL	
IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW	
DRILLERS REMARKS	
19932	

CONTRACTOR	NAME OF WELL CONTRACTOR	WELL CONTRACTOR'S LICENCE NUMBER
	3602	
	ADDRESS	
	NAME OF WELL TECHNICIAN	WELL TECHNICIAN'S LICENCE NUMBER
	Larry Mynster	10129
	SIGNATURE OF TECHNICIAN/CONTRACTOR	SUBMISSION DATE
	Kenneth Mynster	DAY 19 MO 9 94

OFFICE USE ONLY	DATA SOURCE	CONTRACTOR	DATE RECEIVED
		3602	OCT 03 1994
	DATE OF INSPECTION	INSPECTOR	
	REMARKS		
	CSS.ES		



Print only in spaces provided.

Mark correct box with a checkmark, where applicable.

11

5735168

Municipality

57011

Con.

CON

13

County or District SUNCOE	Township/Borough/City/Town/Village CLEARVIEW	Con block tract survey, etc. XIII	Lot 13
	Address 3914 HOUSE RD	Date completed 6-6-2003 day month year	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)[illegible]

31

32

10 14 15 21 32 45 54 65 75 80

41		14 15 21				WATER RECORD	
Water found at - feet		Kind of water					
10-13 80		1	<input checked="" type="checkbox"/> Fresh	3	<input type="checkbox"/> Sulphur	14	
		2	<input type="checkbox"/> Salty	4	<input type="checkbox"/> Minerals		
				6	<input type="checkbox"/> Gas		
14-18 88		1	<input type="checkbox"/> Fresh	3	<input type="checkbox"/> Sulphur	19	
		2	<input type="checkbox"/> Salty	4	<input type="checkbox"/> Minerals		
				6	<input type="checkbox"/> Gas		
20-23		1	<input type="checkbox"/> Fresh	3	<input type="checkbox"/> Sulphur	24	
		2	<input type="checkbox"/> Salty	4	<input type="checkbox"/> Minerals		
				6	<input type="checkbox"/> Gas		
25-28		1	<input type="checkbox"/> Fresh	3	<input type="checkbox"/> Sulphur	29	
		2	<input type="checkbox"/> Salty	4	<input type="checkbox"/> Minerals		
				6	<input type="checkbox"/> Gas		
30-33		1	<input type="checkbox"/> Fresh	3	<input type="checkbox"/> Sulphur	34	
		2	<input type="checkbox"/> Salty	4	<input type="checkbox"/> Minerals		
				6	<input type="checkbox"/> Gas		

CASING & OPEN HOLE RECORD				
Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
10-11 6 1/4	1 <input checked="" type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic	12 .188	+ 1	13-16 85
17-18	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic	19		20-23
24-25	1 <input type="checkbox"/> Steel 2 <input type="checkbox"/> Galvanized 3 <input type="checkbox"/> Concrete 4 <input type="checkbox"/> Open hole 5 <input type="checkbox"/> Plastic	26		27-30

SCREEN	Sizes of opening (Slot No.)	31-33	Diameter	34-38	Length	39-40
	14		6	inches	3	feet
	Material and type	Depth at top of screen			41-44	30
	stainless steel	75			feet	

61	PLUGGING & SEALING RECORD			
<input type="checkbox"/> Annular space		<input type="checkbox"/> Abandonment		
Depth set at - feet		Material and type (Cement grout, bentonite, etc.)		
From	To			
10-13	14-17	Benseal		
8-21	22-25			
26-29	30-33			
		80		

PUMPING TEST	Pumping test method ¹⁰ 1 <input type="checkbox"/> Pump 2 <input checked="" type="checkbox"/> Bail		Pumping rate ¹¹⁻¹⁴ 30 GPM		Duration of pumping ¹⁵⁻¹⁶ 15 Hours 30 Mins ¹⁷⁻¹⁸	
	Static level ¹⁹⁻²¹ 25 feet		Water level end of pumping ²²⁻²⁴ 75 feet		Water levels during 1 <input checked="" type="checkbox"/> Pumping 2 <input type="checkbox"/> Recovery	
	15 minutes ²⁵⁻²⁶ 75 feet		30 minutes ²⁷⁻²⁸ 75 feet		45 minutes ²⁹⁻³¹ 75 feet	
	60 minutes ³²⁻³⁴ 75 feet		75 minutes ³⁵⁻³⁷ 75 feet			
	If flowing give rate ³⁸⁻⁴¹ GPM		Pump intake set at ⁴² 75 feet		Water at end of test <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy	
	Recommended pump type <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep		Recommended pump setting ⁴³⁻⁴⁵ 75 feet		Recommended pump rate ⁴⁶⁻⁴⁹ 15 GPM	

FINAL STATUS OF WELL			54
1	<input checked="" type="checkbox"/> Water supply	5	<input type="checkbox"/> Abandoned, insufficient supply
2	<input type="checkbox"/> Observation well	6	<input type="checkbox"/> Abandoned, poor quality
3	<input type="checkbox"/> Test hole	7	<input type="checkbox"/> Abandoned (Other)
4	<input type="checkbox"/> Recharge well	8	<input type="checkbox"/> Dewatering
9	<input type="checkbox"/> Unfinished		
10	<input type="checkbox"/> Replacement well		

WATER USE			55-56
1	<input checked="" type="checkbox"/> Domestic	5	<input type="checkbox"/> Commercial
2	<input type="checkbox"/> Stock	6	<input type="checkbox"/> Municipal
3	<input type="checkbox"/> Irrigation	7	<input type="checkbox"/> Public supply
4	<input type="checkbox"/> Industrial	8	<input type="checkbox"/> Cooling & air conditioning
9	<input type="checkbox"/> Not use		
10	<input type="checkbox"/> Other		

METHOD OF CONSTRUCTION			57
1	<input type="checkbox"/> Cable tool	5	<input type="checkbox"/> Air percussion
2	<input checked="" type="checkbox"/> Rotary (conventional)	6	<input type="checkbox"/> Boring
3	<input type="checkbox"/> Rotary (reverse)	7	<input type="checkbox"/> Diamond
4	<input type="checkbox"/> Rotary (air)	8	<input type="checkbox"/> Jetting
9	<input type="checkbox"/> Driving		
10	<input type="checkbox"/> Digging		
11	<input type="checkbox"/> Other		

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.

W

E

S

12' line

12-15' side Rd

100'

WELL

218635

Name of Well Contractor <i>Highston's Well Drilling Ltd</i>	Well Contractor's Licence No. <i>3602</i>
Address <i>#2 Stoyner</i>	
Name of Well Technician <i>Steve Thompson</i>	Well Technician's Licence No. <i>212120</i>
Signature of Technician/Contractor <i>Steve Thompson</i>	Submission date day <i>11</i> mo <i>6</i> <i>80</i>

MINISTRY USE ONLY	Data source	58 Contractor	59-62	Date received	63-68	69
		3602		JUN 23 2000		
	Date of inspection	Inspector				
	Remarks					
	CSS.ES0					

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11

5738233

Municipality
57011

Con.
CON

13

County or District: SIMCOE
Township/Borough/City/Town/Village: CLEARVIEW SUNNIDALE
Con. block tract survey, etc.: XIII
Lot: 13
Address: RR2 STAYNER
Date completed: 17 09 03
Basin Code: ii
Elevation: 3904
Northing: 12 17 18 24 25 26 30 31 47

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)					
General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
BROWN	SAND	GRAVEL		0	15
GREY	SAND	GRAVEL		15	21
GREY	CLAY		SOFT	21	27
GREY	CLAY		HARD	27	41
GREY	CLAY	SAND GRAVEL	CEMENTED (HARD PAN)	41	58
GREY	SAND	CLAY	SANDY CLAY	58	75
BROWN	SAND		BEARING SAND	75	84
			FINE		

31
32
PLAN

41 WATER RECORD

Water found at - feet	Kind of water
75-84	1 <input checked="" type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 14 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas
15-18	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 19 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas
20-23	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 24 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas
25-28	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 29 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas
30-33	1 <input type="checkbox"/> Fresh 3 <input type="checkbox"/> Sulphur 34 <input type="checkbox"/> Minerals 6 <input type="checkbox"/> Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet
6 1/4	1 <input checked="" type="checkbox"/> Steel 12 <input type="checkbox"/> Galvanized 2 <input type="checkbox"/> Concrete 3 <input type="checkbox"/> Open hole 4 <input type="checkbox"/> Plastic	0.188	77
17-18	1 <input type="checkbox"/> Steel 19 <input type="checkbox"/> Galvanized 2 <input type="checkbox"/> Concrete 3 <input type="checkbox"/> Open hole 4 <input type="checkbox"/> Plastic		20-23
24-25	1 <input type="checkbox"/> Steel 26 <input type="checkbox"/> Galvanized 2 <input type="checkbox"/> Concrete 3 <input type="checkbox"/> Open hole 4 <input type="checkbox"/> Plastic		27-30

54 SCREEN

Sizes of opening (Slot No.)	Diameter	Length
8	6 inches	7 feet
Material and type		Depth at top of screen
STAINLESS STEEL		77 feet

61 PLUGGING & SEALING RECORD

Depth set at - feet	Material and type (Cement grout, bentonite, etc.)
10-13 14	14 BENSEAL
18-21 22-25	
26-29 30-33 80	

71 PUMPING TEST

Pumping test method 1 <input type="checkbox"/> Pump 2 <input checked="" type="checkbox"/> Bailer	Pumping rate 15 GPM	Duration of pumping 15-16 Hours 30 Mins
Static level 38 feet	Water level end of pumping 60 feet	Water levels during 15 minutes 60 feet 30 minutes 60 feet 45 minutes 60 feet 60 minutes 60 feet
If flowing give rate GPM	Pump intake set at feet	Water at end of test Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/>
Recommended pump type <input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep	Recommended pump setting 70 feet	Recommended pump rate 15 GPM

54 FINAL STATUS OF WELL

1 <input checked="" type="checkbox"/> Water supply 2 <input type="checkbox"/> Observation well 3 <input type="checkbox"/> Test hole 4 <input type="checkbox"/> Recharge well	5 <input type="checkbox"/> Abandoned, insufficient supply 6 <input type="checkbox"/> Abandoned, poor quality 7 <input type="checkbox"/> Abandoned (Other) 8 <input type="checkbox"/> Dewatering	9 <input type="checkbox"/> Unfinished 10 <input type="checkbox"/> Replacement well
---	--	---

55-56 WATER USE

1 <input checked="" type="checkbox"/> Domestic 2 <input type="checkbox"/> Stock 3 <input type="checkbox"/> Irrigation 4 <input type="checkbox"/> Industrial	5 <input type="checkbox"/> Commercial 6 <input type="checkbox"/> Municipal 7 <input type="checkbox"/> Public supply 8 <input type="checkbox"/> Cooling & air conditioning	9 <input type="checkbox"/> Not use 10 <input type="checkbox"/> Other
--	--	---

57 METHOD OF CONSTRUCTION

1 <input checked="" type="checkbox"/> Cable tool 2 <input type="checkbox"/> Rotary (conventional) 3 <input type="checkbox"/> Rotary (reverse) 4 <input type="checkbox"/> Rotary (air)	5 <input type="checkbox"/> Air percussion 6 <input type="checkbox"/> Boring 7 <input type="checkbox"/> Diamond 8 <input type="checkbox"/> Jetting	9 <input type="checkbox"/> Driving 10 <input type="checkbox"/> Digging 11 <input type="checkbox"/> Other
--	--	--

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.

WELL 150 FT. E

SUNNIDALE CON
CLEARVIEW TOWNSHIP. XIII

1000 FT.

236489

Name of Well Contractor: MIGHTON'S WELL DRILLING
Address: RR2 STAYNER ONT
Name of Well Technician: ALLAN BAYLISS
Signature of Technician/Contractor: Larry Mighton
Well Contractor's Licence No.: 3602
Well Technician's Licence No.: T-3102
Submission date: 8 mo 10 03

MINISTRY USE ONLY

Data source	Contractor	Date received
	3602	OCT 15 2003
Date of inspection	Inspector	
Remarks		

Address of Well Location (Street Number/Name) 1925 12-13 SIDE RD		Township CLEARVIEW	Lot PT. 13	Concession 14
County/District/Municipality SIMCOE		City/Town/Village WASAGA BEACH	Province Ontario	Postal Code L0M1S0
UTM Coordinates NAD 83	Zone 17	Easting 580836	Northings 4925450	Municipal Plan and Sublot Number 51A-38300

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)					
General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
From	To			From	To
BROWN	SAND	STONES		0	6
GREY	SAND	CLAY STONES	SANDY CLAY	6	10
GREY	CLAY	STONES	STONEY CLAY	10	29
GREY	SAND	CLAY	SANDY CLAY	29	47
GREY	CLAY		HARD & SOFT LAYERS	47	74
GREY	SAND	CLAY	SANDY CLAY	74	94
BROWN	SAND		CLEAN WATER		
			BEARING SAND	94	100

Annular Space			
Depth Set at (m/ft)		Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From	To		
0	20	BENSEAL SLURRY	

Method of Construction		Well Use	
<input checked="" type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	From	To
8 1/4	STEEL	.188	0	20	
6 1/4	STEEL	.188	12 1/2	94	
				<input checked="" type="checkbox"/> Water Supply	
				<input type="checkbox"/> Replacement Well	
				<input type="checkbox"/> Test Hole	
				<input type="checkbox"/> Recharge Well	
				<input type="checkbox"/> Dewatering Well	
				<input type="checkbox"/> Observation and/or Monitoring Hole	
				<input type="checkbox"/> Alteration (Construction)	
				<input type="checkbox"/> Abandoned, Insufficient Supply	
				<input type="checkbox"/> Abandoned, Poor Water Quality	
				<input type="checkbox"/> Abandoned, other, specify	
				<input type="checkbox"/> Other, specify	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	From To
5 1/2	STEEL	8	94	100

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft)	Diameter (cm/in)
94/100		94	100
			5 1/2

Well Contractor and Well Technician Information			
Business Name of Well Contractor MIGHTON'S WELL DRILLING		Well Contractor's Licence No. 3602	
Business Address (Street Number/Name) 8235 MIGHTON'S COURT		Municipality STAYNER	
Province ONT	Postal Code L0M1S0	Business E-mail Address	
Bus. Telephone No. (inc. area code) 705 429 3500		Name of Well Technician (Last Name, First Name) BAYLISS ALLAN	
Well Technician's Licence No. 3102		Signature of Technician and/or Contractor Lay Migher	
		Date Submitted 20121204	

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
<input checked="" type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify		Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:		Static Level	
Pump intake set at (m/ft) 80		1	16.3
Pumping rate (l/min / GPM) 12		2	22.5
Duration of pumping 1 hrs + min		3	26.7
Final water level end of pumping (m/ft) 38' 6"		4	29.10
If flowing give rate (l/min / GPM)		5	32.1
Recommended pump depth (m/ft) 80		10	36.11
Recommended pump rate (l/min / GPM) 12		15	38.
Well production (l/min / GPM) 12		20	38.4
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		25	38.5
		30	38.5
		40	38.6
		50	38.6
		60	38.6

Map of Well Location
Please provide a map below following instructions on the back.

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D 20121129	Date Work Completed 20121129
Ministry Use Only		
Audit No. 2157537		
Received IAN 14 2013		

Sylvia Waters

From: Jennifer Georgas
Sent: Monday, April 13, 2020 3:25 PM
To: [REDACTED]
Cc: 300044192 Stayner Water EA
Subject: Stayner Water EA Addendum PIC Comment Submission
Attachments: 200305 PIC ComShts-Hambleton.pdf

Hello [REDACTED],

We received your comment (copy attached) provided at the March 5th, 2020 PIC related to the Stayner Water EA Addendum and offer the following response:

Comment, Resident [REDACTED] When will Mowat St. have water? Will this well influence this?

Thank you for your interest in the project. The construction of the well will not influence the timelines for the unserved portions of Mowat Street getting municipal water service. The planned route for the connecting watermain does not include Mowat Street. We cannot comment on the timing of water service on Mowat Street as this is outside the scope of the EA.

Thank you,
Jennifer



R.J. Burnside & Associates Limited
3 Ronell Crescent, Collingwood, Ontario L9Y 4J6
Office: +1 800-265-9662 Direct: +1 705-797-4271
rjburnside.com

COVID 19: We remain open for business

The health and safety of our employees and clients is of paramount importance. Most of our staff are working remotely and continue to serve clients using our well established collaborative technology platforms. For our full COVID 19 response please [click here](#).

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Sylvia Waters

From: Jennifer Georgas
Sent: Monday, April 13, 2020 3:08 PM
To: [REDACTED]
Cc: Mike Rawn; 300044192 Stayner Water EA
Subject: Stayner Water EA Addendum PIC Comment Submission
Attachments: 200305 PIC ComShts-Sullivan.pdf

Hello [REDACTED]

We received your comment (copy attached) provided at the March 5th, 2020 PIC related to the Stayner Water EA Addendum and offer the following response:

Comment, Resident of [REDACTED]: Protect & monitor well. Would like to see the property fenced for security and serenity (ATVs and snowmobiles off property).

Thank you for your interest in the project. The risk of adverse effects to the operation of private wells in the vicinity of the proposed pumping wells at 1585 Klondike Park Road (the Site) is low. Nonetheless, a Permit To Take Water (PTTW) for the project will not be granted by the Ministry of Environment, Conservation and Parks (MECP) unless the proponent (Township of Clearview) has demonstrated that there will be no unacceptable impacts to private water supplies as a result of the proposed pumping at the Site. As such, private water supplies will be protected through the MECP permitting process. Township of Clearview is amenable to monitoring resident's private wells within the expected drawdown zone of influence until such time that it is clearly demonstrated that the municipal pumping is not having an adverse effect. Residents interested in having their wells monitored should contact the Township who, in conjunction with their hydrogeological consultants, will be preparing a monitoring plan that will become part of the PTTW approval. Please note that residents, including yourself, who have already submitted a specific request to have their wells monitored via a Comment Sheet during the PIC on March 5, 2020 are already in consideration for the future monitoring plan and will be contacted by the Township or their hydrogeological consultant at an appropriate time during the PTTW process. Your comments regarding fencing and security will be considered during the Detailed Design stage of the project.

Thank you,

Jennifer

 **BURNSIDE**
Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited
3 Ronell Crescent, Collingwood, Ontario L9Y 4J6
Office: +1 800-265-9662 Direct: +1 705-797-4271
rjburnside.com

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Sylvia Waters

From: Jennifer Georgas
Sent: Monday, August 24, 2020 4:49 PM
To: [REDACTED]
Subject: RE: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hi Hannah,

We will add you to the contact list and you will be notified when the report is filed.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 **Direct:** +1 705-797-4271

From: [REDACTED]
Sent: Monday, August 24, 2020 4:38 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Subject: RE: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hi Jennifer,

Thank you for getting back to me!

That is good to know. Is there a way to sign up for email notifications when updates (i.e. report release) are available for this projects? If not, would I just keep an eye on the Township's website?

Regards,

[REDACTED]

[REDACTED]

 Please consider the environment before printing this e-mail

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: August 24, 2020 4:29 PM
To: [REDACTED]
Subject: RE: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hi [REDACTED],

We are still in the process of resolving some questions/comments with the MECP and as such the report has not been filed/finalized as of yet. This should be happening in the next month or two.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

[REDACTED]
Sent: Monday, August 24, 2020 12:02 PM

To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Subject: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hello Ms. Georgas,

I noticed a PIC for an addendum was held in March. At the end of the slides it says that an EA Addendum Report would be put out. I was wondering if this had already been completed and if so, where I could gain access to that report?

Regards,

[REDACTED]

[REDACTED]



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Sylvia Waters

From: Microsoft Outlook
To: [REDACTED]
Sent: Tuesday, February 25, 2020 9:51 AM
Subject: Undeliverable: 044192-Public-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner



Your message to [REDACTED] couldn't be delivered.



Sylvia.Waters

Office 365

gpsc

Action Required

Recipient

Unknown To address

How to Fix It

The address may be misspelled or may not exist. Try one or more of the following:

- Send the message again following these steps: In Outlook, open this non-delivery report (NDR) and choose **Send Again** from the Report ribbon. In Outlook on the web, select this NDR, then select the link "**To send this message again, click here.**" Then delete and retype the entire recipient address. If prompted with an Auto-Complete List suggestion don't select it. After typing the complete address, click **Send**.
- Contact the recipient (by phone, for example) to check that the address exists and is correct.
- The recipient may have set up email forwarding to an incorrect address. Ask them to check that any forwarding they've set up is working correctly.
- Clear the recipient Auto-Complete List in Outlook or Outlook on the web by following the steps in this article: [Fix email delivery issues for error code 5.1.1 in Office 365](#), and then send the message again. Retype the entire recipient address before selecting **Send**.

If the problem continues, forward this message to your email admin. If you're an email admin, refer to the **More Info for Email Admins** section below.

Appendix D5

Indigenous Correspondence

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:53 AM
To: natasha.charles@georginaisland.com
Cc: Jennifer Georgas; mrawn@clearview.ca
Subject: 044192-Chippewas of Georgina Island-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello, Natash Charles, Community Consultation for the Chippewas of Georgina Island

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, May 12, 2020 4:20 PM
To: natasha.charles@georginaisland.com
Cc: Jennifer Georgas; Mike Rawn
Subject: 044192-Chippewas of Georgina Island Addendum to the MCEA for the Long-Term Water Supply for Clearview

Hello, Natash Charles, Community Consultation for the Chippewas of Georgina Island

The Township of Clearview (Township) is in the process of finalizing an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). As part of this EA Addendum the Study Team circulated a copy of the Notice of Public Information Centre (PIC) to your community on February 25, 2020. Burnside requested on behalf of the Town, your community leaders' level of interest in the Addendum Study and provide any comments and/or concerns. Through follow up calls messages were left on April 1st and April 14th, however, we have not yet received comment from your community to date.

We acknowledge that your communities' offices may be closed due to the COVID-19 pandemic and appreciate that you may be operating with a limited staff. At this time the Township is preparing to issue the Revised Notice of Study Completion for the EA Addendum and would like to request further whether your community has any concerns/ issues or wished to provide any comments regarding the Long-Term Water Supply for Clearview Study. We hope to hear from you soon.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:53 AM
To: jcopegog@chimnissing.ca; lands@chimnissing.ca
Cc: Jennifer Georgas; mrawn@clearview.ca; info@chimnissing.ca
Subject: 044192-Beausoleil First Nation-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello, Jane Copegog, Land Manager for the Beausoleil First Nation

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, May 12, 2020 4:20 PM
To: jcopegog@chimnissing.ca; lands@chimnissing.ca
Cc: Jennifer Georgas; Mike Rawn; info@chimnissing.ca
Subject: 044192-Beausoleil First Nation Addendum to the MCEA for the Long-Term Water Supply for Clearview

Hello, Jane Copegog, Land Manager for the Beausoleil First Nation

The Township of Clearview (Township) is in the process of finalizing an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). As part of this EA Addendum the Study Team circulated a copy of the Notice of Public Information Centre (PIC) to your community on February 25, 2020. Burnside requested on behalf of the Town, your community leaders' level of interest in the Addendum Study and provide any comments and/or concerns. Telephone calls were made to your community on April 1, 13 and 14, 2020; however, we have not yet received comment from your community to date.

We acknowledge that your communities' offices may be closed due to the COVID-19 pandemic and appreciate that you may be operating with a limited staff. At this time the Township is preparing to issue the Revised Notice of Study Completion for the EA Addendum and would like to request further whether your community has any concerns/ issues or wished to provide any comments regarding the Long-Term Water Supply for Clearview Study. We hope to hear from you soon.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:55 AM
To: shardayj@ramafirstnation.ca
Cc: Jennifer Georgas; mrawn@clearview.ca
Subject: 044192-Chippewas of Mnjikaning First Nation-Notice of Public Information Centre-Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello, Shardy James, Community Consultation Worker, Communications for the Chippewas of Mnjikaning First Nation

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Sharday James <shardayj@ramafirstnation.ca>
Sent: Monday, March 02, 2020 8:58 AM
To: Sylvia Waters
Subject: RE: 044192-Chippewas of Mnjikaning First Nation-Notice of Public Information Centre-Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Hello Sylvia,
Thanks for your email. At this time we have no comments. Please continue to contact us on any future projects.

Best regards,
Sharday James

Sharday James

Community Consultation Worker, Communications

Chippewas of Rama First Nation

(ph) 705-325-3611, 1633

(cell)

(fax)

(url) www.ramafirstnation.ca

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By submitting your or another individual's personal information to Chippewas of Rama First Nation, its service providers and agents, you agree and confirm your authority from such other individual, to our collection, use and disclosure of such personal information in accordance with our privacy policy.

 Please consider the environment before printing this e-mail.

From: Sylvia Waters <Sylvia.Waters@rjburnside.com>

Sent: February 25, 2020 9:55 AM

To: Sharday James <shardayj@ramafirstnation.ca>

Cc: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>

Subject: 044192-Chippewas of Mnjikaning First Nation-Notice of Public Information Centre-Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

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Hello, Shardy James, Community Consultation Worker, Communications for the Chippewas of Mnjikaning First Nation

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m. – 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 11:42 AM
To: d.ritchie@saugeenojibwaynation.ca
Cc: Jennifer Georgas; mrawn@clearview.ca
Subject: 044192-Chippewas of Nawash First Nation-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello Doran Ritchie,

As per Chief Greg Nadjiwon of the Chippewas of Nawash First Nation, please find attached on behalf of the Township of Clearview, the Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, May 12, 2020 4:20 PM
To: d.ritchie@saugeenojibwaynation.ca
Cc: Jennifer Georgas; Mike Rawn
Subject: 044192-SON & Chippewas of Nawash FN Addendum to the MCEA for the Long-Term Water Supply for Clearview

Hello Doran Ritchie,

The Township of Clearview (Township) is in the process of finalizing an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). As part of this EA Addendum the Study Team circulated a copy of the Notice of Public Information Centre (PIC) to your community on February 25, 2020; and you were also sent the Notice for comment on behalf of Chief Greg Nadjiwon of the Chippewas of Nawash First Nation. Burnside requested on behalf of the Town, your community level of interest in the Addendum Study and provide any comments and/or concerns. Telephone calls were made and messages left on April 1st and 14th, 2020; however, we have not yet received comment from your community to date.

We acknowledge that your communities' offices may be closed due to the COVID-19 pandemic and appreciate that you may be operating with a limited staff. At this time the Township is preparing to issue the Revised Notice of Study Completion for the EA Addendum and would like to request further whether your community has any concerns/ issues or wished to provide any comments regarding the Long-Term Water Supply for Clearview Study. We hope to hear from you soon.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:58 AM
To: maxime.picard@cnhw.qc.ca
Subject: 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello Maxime Picard of the Nation Huronne-Wendat

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:58 AM
To: melanievincent21@yahoo.ca
Cc: Jennifer Georgas; mrawn@clearview.ca; maxime.picard@cnhw.qc.ca
Subject: 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello Grand Chief Konrad Sioui, of the Nation Huronne-Wendat

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Jennifer Vandermeer
Sent: Tuesday, February 25, 2020 1:43 PM
To: Maxime Picard
Cc: Mike Rawn; Jennifer Georgas; Blake Williams; Sylvia Waters
Subject: RE: 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Hi Maxime,
We will keep the Nation updated of any further archaeological stages.
Best regards,
Jennifer



Jennifer Vandermeer, P.Eng.
Senior Environmental Coordinator

R.J. Burnside & Associates Limited
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4
Office: [800-265-9662](tel:800-265-9662) Direct: [226-486-1559](tel:226-486-1559)
www.rjburnside.com

From: Maxime Picard <maxime.picard@cnhw.qc.ca>
Sent: Tuesday, February 25, 2020 1:25 PM
To: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>
Cc: Mike Rawn <mrawn@clearview.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Blake Williams <bwilliams@asiheritage.ca>; Sylvia Waters <Sylvia.Waters@rjburnside.com>
Subject: RE: 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Thanks for following-up quickly Jennifer.

Please keep us Nation updated in the event that any further archaeological stages are initiated as part of the next project phases.

Regards



NATION HURONNE-WENDAT
Bureau du Nionwentsïo

Maxime Picard, B. Sc. A.

Coordonnateur de projets - Ontario

255, Place Chef Michel-Laveau

Wendake (Qc) G0A 4V0

Téléphone : 418-843-3767 # 2105

Courriel : maxime.picard@cnhw.qc.ca



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De : Jennifer Vandermeer [<mailto:Jennifer.Vandermeer@rjburnside.com>]

Envoyé : 25 février 2020 12:42

À : Maxime Picard

Cc : Mike Rawn; Jennifer Georgas; Blake Williams; Sylvia Waters

Objet : FW: 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Good afternoon Maxime,

Thank-you for your inquiry regarding the EA Addendum. A Stage 1 Archaeological Assessment (AA) was completed by Archaeological Services Inc. for this Addendum. A licensed archaeologist visited the area to assess the archaeological integrity of the Study Area; however, no intensive archaeological investigation was undertaken (like test pitting or pedestrian survey). Further archaeological investigation may be required if the final design for project shows construction activity entering into the areas of archaeological potential that ASI noted in the Stage 1 AA Report. We have provided a copy of the Stage 1 AA Report with this email for your information. Should you have any questions, please let us know.

Best regards,

Jennifer



Jennifer Vandermeer, P.Eng.

Senior Environmental Coordinator

R.J. Burnside & Associates Limited

292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4

Office: [800-265-9662](tel:800-265-9662) Direct: [226-486-1559](tel:226-486-1559)

www.rjburnside.com

From: Sylvia Waters <Sylvia.Waters@rjburnside.com>

Sent: Tuesday, February 25, 2020 10:56 AM

To: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>

Subject: FW: 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

From: Maxime Picard <maxime.picard@cnhw.qc.ca>

Sent: Tuesday, February 25, 2020 10:08 AM

To: Sylvia Waters <Sylvia.Waters@rjburnside.com>; melanievincent21@yahoo.ca

Cc: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>

Subject: RE: 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Good morning Sylvia,

Thanks for your email and information on the Addendum to MCEA Long Term Water Supply.

Could you please let us know if there will be any archaeological investigation as part of EA Addendum ?

Thanks and best regards,

Maxime Picard



NATION HURONNE-WENDAT
Bureau du Nionwentsio

Maxime Picard, B. Sc. A.
Coordonnateur de projets - Ontario
255, Place Chef Michel-Laveau
Wendake (Qc) G0A 4V0
Téléphone : 418-843-3767 # 2105
Courriel : maxime.picard@cnhw.qc.ca

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De : Sylvia Waters [<mailto:Sylvia.Waters@rjburnside.com>]

Envoyé : 25 février 2020 09:58

À : melanievincent21@yahoo.ca

Cc : Jennifer Georgas; Mike Rawn; maxime.picard@cnhw.qc.ca

Objet : 044192-Nation Huronne-Wendat-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Hello Grand Chief Konrad Sioui, of the Nation Huronne-Wendat

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020

TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.



Sylvia Waters

Technical Administrator, EPA

R.J. Burnside & Associates Limited
128 Wellington Street West, Suite 301, Barrie, Ontario L4N 8J6
Office: +1 800-265-9662 Direct: +1 705-797-4379
www.rjburnside.com

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If you have received this communication in error please notify the sender at the above email address and delete this email immediately.
Thank you.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:56 AM
To: consultations@metisnation.org
Cc: Jennifer Georgas; mrawn@clearview.ca
Subject: 044192-Metis Nation of Ontario-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello Jesse Fieldwebster, Consultation Assessment Coordinator for Metis Nation of Ontario

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 10:02 AM
To: lester.anoquot@saugeen.org
Cc: Band.admin@saugeen.org; Jennifer Georgas; mrawn@clearview.ca
Subject: 044192-Saugeen First Nation-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello Chief Lester Anoquot, of the Saugeen First Nation

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Lester Anoquot <Lester.Anoquot@saugeen.org>
Sent: Monday, March 02, 2020 3:01 PM
To: Sylvia Waters
Subject: Re: 044192-Saugeen First Nation-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Thank you Sylvia.

From: Sylvia Waters <Sylvia.Waters@rjburnside.com>
Sent: Tuesday, February 25, 2020 10:01 AM
To: Lester Anoquot <Lester.Anoquot@saugeen.org>
Cc: Band Admin <band.admin@saugeen.org>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>
Subject: 044192-Saugeen First Nation-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Hello Chief Lester Anoquot, of the Saugeen First Nation

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Burnside is requesting on behalf of the Town, that your community leaders confirm level of interest in the Addendum Study and provide any comments and/or concerns about the Study at this time.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.



Sylvia Waters

Technical Administrator, EPA

R.J. Burnside & Associates Limited
128 Wellington Street West, Suite 301, Barrie, Ontario L4N 8J6
Office: +1 800-265-9662 **Direct:** +1 705-797-4379
www.rjburnside.com

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Thank you.

Sylvia Waters

From: Lester Anoquot <Lester.Anoquot@saugeen.org>
Sent: Tuesday, May 12, 2020 4:40 PM
To: Sylvia Waters
Cc: C. Lloyd Ritchie
Subject: Re: 044192-Saugeen First Nation Addendum to the MCEA for the Long-Term Water Supply for Clearview

Hi Sylvia, currently Saugeen First Nation has no issue with the Municipal Class Environmental Assessment Addendum. Thank you for your update.

From: Sylvia Waters <Sylvia.Waters@rjburnside.com>
Date: Tuesday, May 12, 2020 at 4:20 PM
To: Lester Anoquot <Lester.Anoquot@saugeen.org>, Band Admin <band.admin@saugeen.org>
Cc: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>, Mike Rawn <mrawn@clearview.ca>
Subject: 044192-Saugeen First Nation Addendum to the MCEA for the Long-Term Water Supply for Clearview

Hello Chief Lester Anoquot, of the Saugeen First Nation

The Township of Clearview (Township) is in the process of finalizing an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). As part of this EA Addendum the Study Team circulated a copy of the Notice of Public Information Centre (PIC) to your community on February 25, 2020. Burnside requested on behalf of the Town, your community leaders level of interest in the Addendum Study and provide any comments and/or concerns.

On March 2, 2020 you responded, thank you. We acknowledge that your communities' offices may be closed due to the COVID-19 pandemic and appreciate that you may be operating with a limited staff. At this time the Township is preparing to issue the Revised Notice of Study Completion for the EA Addendum and would like to request further whether your community has any concerns/ issues or wished to provide any comments regarding the Long-Term Water Supply for Clearview Study. We hope to hear from you soon.



Sylvia Waters

Technical Administrator, EPA

R.J. Burnside & Associates Limited
128 Wellington Street West, Suite 301, Barrie, Ontario L4N 8J6
Office: +1 800-265-9662 **Direct:** +1 705-797-4379
www.rjburnside.com

COVID 19: We remain open for business

The health and safety of our employees and clients is of paramount importance. Most of our staff are working remotely and continue to serve clients using our well established collaborative technology platforms. For our full COVID 19 response please [click here](#).

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If you have received this communication in error please notify the sender at the above email address and delete this email immediately.
Thank you.



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Appendix D6

Agency Correspondence

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:51 AM
To: rob.dobos@canada.ca; FisheriesProtection@dfo-mpo.gc.ca; chunmei.liu@ontario.ca; aly.alibhai@ontario.ca; mirrun.zaveri@ontario.ca; rpost@nvca.on.ca; admin@nvca.on.ca; lbull@nvca.on.ca; arthur.churchyard@ontario.ca; Karla Barboza (karla.barboza@ontario.ca); ken.mott@ontario.ca; kim.benner@ontario.ca; jason.white@ontario.ca; vince.cina@enbridge.com; ann.newman@enbridge.com; azocco@uniongas.com; rpayment@clearview.ca; suzanne.kettle@ontario.ca; est.reg.crossing@enbridge.com; mark-ups@enbridge.com; kschimus@uniongas.com; SecondaryLandUse@HydroOne.com; kenneth.aarup@hydroone.com; carol.obrien@bell.ca; scott.moon@bell.ca; simcoecirculations@rci.rogers.com; tony.dominquez@rci.rogers.com; eburrell@epcor.com; jwilson@epcor.com; cao@wasagabeach.com; cao@collingwood.ca; chealey@essatownship.on.ca
Cc: Jennifer Georgas; mrawn@clearview.ca
Subject: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Please note that you or your agency may be receiving this Notice as you were either circulated on or were involved in the 2008 Long Term Water Supply for Clearview, Schedule B Municipal Class EA and your agency may have an interest in this Addendum.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m. – 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: FPP.CA / PPP.CA (DFO/MPO) <fisheriesprotection@dfo-mpo.gc.ca>
Sent: Tuesday, February 25, 2020 9:51 AM
To: Sylvia Waters
Subject: RE: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

This e-mail is a confirmation of receipt for your submission. Thank you for contacting Fisheries and Oceans Canada, Fisheries Protection Program.

Le présent courriel est un accusé de réception de votre soumission. Merci d'avoir communiqué avec le Programme de protection des pêches de Pêches et Océans Canada.

Sylvia Waters

From: Jennifer Vandermeer
Sent: Tuesday, January 26, 2021 7:05 AM
To: Minkin, Dan (MHSTCI)
Cc: Mike Rawn; Jennifer Georgas; Sylvia Waters
Subject: RE: Notice of Commencement - Long Term Water Supply to Clearview, Stayner

Good morning Dan,
Thank-you for taking the time to review and provided comments on the CHRA Report for this EA Addendum. We will pass your comments about the terminology in the Report onto ASI for their consideration.
Best regards,
Jennifer



Jennifer Vandermeer, P.Eng.
Senior Environmental Coordinator

R.J. Burnside & Associates Limited
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4
Office: 800-265-9662 Direct: 226-486-1559
www.rjburnside.com

From: Minkin, Dan (MHSTCI) <Dan.Minkin@ontario.ca>
Sent: Monday, January 25, 2021 6:48 PM
To: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>
Cc: Mike Rawn <mrawn@clearview.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>
Subject: RE: Notice of Commencement - Long Term Water Supply to Clearview, Stayner

Hi Jennifer,
Please see our comments attached.

Dan Minkin

Heritage Planner
Ministry of Heritage, Sport, Tourism and Culture Industries
Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7
Tel. 416.786.7553 *NEW*

**Ministry of Heritage, Sport,
Tourism, and Culture Industries**

Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: 416.314.7147

**Ministère des Industries du Patrimoine,
du Sport, du Tourisme et de la Culture**

Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto, ON M7A 0A7
Tél: 416.314.7147



January 25, 2021

EMAIL ONLY

Jennifer Vandermeer, P.Eng.
Senior Environmental Coordinator
R.J. Burnside & Associates Ltd.
292 Speedvale Avenue West, Unit 20
Guelph, ON N1H 1C4
Jennifer.vandermeer@rjburnside.com

MHSTCI File : 0012075
Proponent : Township of Clearview
Subject : Cultural Heritage Resource Assessment: Built Heritage Resources and Cultural Heritage Landscapes
Project : Long Term Water Supply to Clearview
Location : Township of Clearview, Ontario

Dear Ms. Vandermeer:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the *Cultural Heritage Resource Assessment: Built Heritage Resources and Cultural Heritage Landscapes* (CHRA) prepared for the above-referenced project by ASI, dated November 2019 (Revised December 2020). We have reviewed the report and offer the following comments

Project Summary

The Township of Clearview is undertaking an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). This Addendum focuses on the community of Stayner only, and has been triggered by recent investigations, which have found a viable groundwater source north east of Stayner.

CHRA Review

Several sections of the report refer to built heritage resources and cultural heritage landscapes collectively as “cultural heritage resources”. Since cultural heritage resources is a term that includes archaeological resources, which are outside the scope of this report, we would recommend that built heritage resources and cultural heritage landscapes be referred to as such, or by appropriate acronyms.

The definition of cultural heritage landscape provided in Section 3.1 (page 5) is based on that used in the 2005 Provincial Policy Statement, and is outdated. We recommend using the definition from the 2020 Provincial Policy Statement.

Aside from these matters of terminology, we have no substantial concerns with the CHRA.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the EA process. If you have any questions or require clarification, do not hesitate to contact me.

Sincerely,

Dan Minkin
Heritage Planner
Heritage Planning Unit
Dan.Minkin@ontario.ca

Copied to: Jennifer Georgas, R.J. Burnside & Associates Ltd.
Mike Rawn, Clearview Township

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

Sylvia Waters

From: Jennifer Vandermeer
Sent: Tuesday, January 19, 2021 8:42 PM
To: Sylvia Waters
Subject: FW: Notice of Commencement - Long Term Water Supply to Clearview, Stayner

For EA File

From: Minkin, Dan (MHSTCI) <Dan.Minkin@ontario.ca>
Sent: Friday, December 18, 2020 5:50 PM
To: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>
Cc: Mike Rawn <mrawn@clearview.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>
Subject: RE: Notice of Commencement - Long Term Water Supply to Clearview, Stayner

Hi Jennifer,
Thank you for sending the CHAR. I will aim to have any comments to you by January 22 as requested.

Dan Minkin

Heritage Planner
Ministry of Heritage, Sport, Tourism and Culture Industries
Heritage, Tourism and Culture Division | Programs and Services Branch | Heritage Planning Unit
401 Bay Street, Suite 1700
Toronto, Ontario M7A 0A7
Tel. 416.786.7553 *NEW*

From: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>
Sent: December 18, 2020 4:31 PM
To: Minkin, Dan (MHSTCI) <Dan.Minkin@ontario.ca>
Cc: Mike Rawn <mrawn@clearview.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>
Subject: FW: Notice of Commencement - Long Term Water Supply to Clearview, Stayner

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good afternoon Dan,
Further to our recent discussion on December 3, 2020 and your request to receive any technical cultural heritage studies prior to issuing the Revised Notice of Completion (for the EA Addendum) as noted in your March 6, 2020 letter (attached for reference), please find attached a copy of the Cultural Heritage Resource Assessment Report, completed by Archaeological Services Inc. as part of this EA Addendum. We are planning to file the EA Addendum in early 2021. As such, we would like to know if you are able to complete your review of this report in January 2021. Would you be able to provide any comments you may have on the report by January 22, 2021?
Happy Holidays,
Jennifer



Jennifer Vandermeer, P.Eng.
Senior Environmental Coordinator

R.J. Burnside & Associates Limited
292 Speedvale Avenue West, Unit 20, Guelph, ON N1H 1C4
Office: 800-265-9662 Direct: 226-486-1559
www.rjburnside.com

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Friday, March 06, 2020 12:56 PM
To: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>
Cc: 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: FW: Notice of Commencement - Long Term Water Supply to Clearview, Stayner

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: Friday, March 06, 2020 12:54 PM
To: Mike Rawn <mrawn@clearview.ca>
Cc: Barboza, Karla (MHSTCI) <Karla.Barboza@ontario.ca>; Minkin, Dan (MHSTCI) <Dan.Minkin@ontario.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>
Subject: Notice of Commencement - Long Term Water Supply to Clearview, Stayner

Mike Rawn,

Please find attached, a letter acknowledging the receipt of your notice of commencement. Contact us with any further questions or concerns.

Joseph Harvey
On behalf of

Dan Minkin
Heritage Planner
Heritage Planning Unit
Dan.Minkin@ontario.ca

**Ministry of Heritage, Sport,
Tourism, and Culture Industries**

Programs and Services Branch
401 Bay Street, Suite 1700
Toronto, ON M7A 0A7
Tel: 416.314.7147

**Ministère des Industries du Patrimoine,
du Sport, du Tourisme et de la Culture**

Direction des programmes et des services
401, rue Bay, Bureau 1700
Toronto, ON M7A 0A7
Tél: 416.314.7147



March 6, 2020

EMAIL ONLY

Mike Rawn
Director of Public Works
Township of Clearview
217 Gideon Street
Stayner, ON L0M 1S0
mrawn@clearview.ca

MHSTCI File : 0012075
Proponent : Township of Clearview
Subject : Notice of Addendum
Project : Long Term Water Supply to Clearview
Location : Township of Clearview, Stayner

Dear Mike Rawn:

Thank you for providing the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) with the Notice of Addendum for the above-referenced project. MHSTCI's interest in this Environmental Assessment (EA) project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land and marine;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources.

Project Summary

The Township of Clearview is undertaking an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). This Addendum focuses on the community of Stayner only, and has been triggered by recent investigations, which have found a viable groundwater source north east of Stayner.

Identifying Cultural Heritage Resources

While some cultural heritage resources may have already been formally identified, others may be identified through screening and evaluation. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to these communities. Municipal Heritage Committees, historical societies and other local heritage organizations may also have knowledge that contributes to the identification of cultural heritage resources.

Archaeological Resources

This EA project may impact archaeological resources and should be screened using the MHSTCI [Criteria for Evaluating Archaeological Potential](#) to determine if an archaeological assessment is needed. MHSTCI archaeological sites data are available at archaeology@ontario.ca. If the EA project area exhibits archaeological potential, then an archaeological assessment (AA) should be undertaken by an archaeologist licenced under the *OHA*, who is responsible for submitting the report directly to MHSTCI for review.

Built Heritage and Cultural Heritage Landscapes

The MHSTCI [Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes](#) should be completed to help determine whether this EA project may impact cultural heritage resources. If potential or known heritage resources exist, MHSTCI recommends that a Heritage Impact Assessment (HIA), prepared by a qualified consultant, should be completed to assess potential project impacts. Our Ministry's [Info Sheet #5: Heritage Impact Assessments and Conservation Plans](#) outlines the scope of HIAs. Please send the HIA to MHSTCI for review, and make it available to local organizations or individuals who have expressed interest in review.

Environmental Assessment Reporting

All technical cultural heritage studies and their recommendations are to be addressed and incorporated into EA projects. Please advise MHSTCI whether any technical cultural heritage studies will be completed for this EA project, and provide them to MHSTCI before issuing a Notice of Completion or commencing any work on the site. If screening has identified no known or potential cultural heritage resources, or no impacts to these resources, please include the completed checklists and supporting documentation in the EA report or file.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the EA process. If you have any questions or require clarification, do not hesitate to contact me.

Sincerely,

Joseph Harvey
On behalf of

Dan Minkin
Heritage Planner
Heritage Planning Unit
Dan.Minkin@ontario.ca

Copied to: Jennifer Georgas, Consultant Project Manager, R.J. Burnside & Associates Ltd.
Sylvia Waters, Technical Administrator, R.J. Burnside & Associates Ltd.

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the *Ontario Heritage Act*.

Sylvia Waters

From: Jennifer Georgas
Sent: Friday, March 06, 2020 12:04 PM
To: Harvey, Joseph (MHSTCI)
Cc: Jennifer Vandermeer; Sylvia Waters; 300044192 Stayner Water EA
Subject: RE: Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: LongTerm_Commencement Notice.pdf

Hi Joseph,

As requested, please find Notice for original EA attached.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 **Direct:** +1 705-797-4271

From: Harvey, Joseph (MHSTCI) <Joseph.Harvey@ontario.ca>
Sent: Friday, March 06, 2020 10:19 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Subject: Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Hi Jennifer,

If possible, please reply with the notice for the initial EA to which the addendum refers.

Thanks,

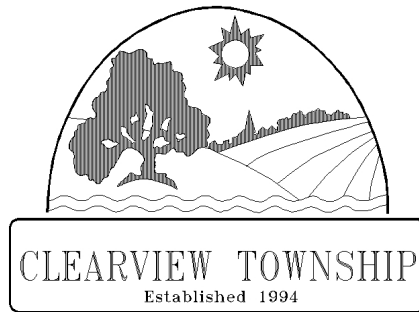
Joseph Harvey

Heritage Planning Unit – Intern

Ministry of Heritage, Sport, Tourism and Culture Industries

joseph.harvey@ontario.ca

Office: 416 314 5424



Township of Clearview
Long Term Water Supply for Clearview
Municipal Class Environmental Assessment (EA)

Notice of Study Commencement and
Public Information Centre

The Township of Clearview has identified that a number of the municipal groundwater-based water supply and treatment systems in the municipality are approaching their currently permitted supply and treatment capacity and are also located close to an alternative source of supply. Specifically, these sources include the water supply and treatment systems serving the Town of Stayner, the Village of Nottawa, and the Village of New Lowell. Accordingly, the Township has initiated a Class Environmental Assessment (EA) study to evaluate alternatives by which this water supply issue can be resolved.

The project is being planned as a Schedule 'C' project under the Municipal Class Environmental Assessment, an approval under the Ontario *Environmental Assessment Act* for all municipal projects of this nature.

No decisions have yet been made on this project and your input is important. Public input and comments are now invited to incorporate into the planning and design of this project. For further information on this project or to make comments, please contact the individuals at the addresses provided below.

Please provide your comments by February 14, 2005, to the individuals identified below. Subject to the comments received, and the receipt of necessary approvals, the Township of Clearview intends to proceed with the construction of the project that emerges from this Class EA study in late Fall 2005.

A Public Information Centre has also been scheduled to provide the community with background information on the study and to discuss the preferred approach for addressing the water supply issue in Stayner. The Public Information Centre will be held on:

Thursday, January 20, 2005, from 4:00 p.m. to 7:00 p.m.
Council Chambers, Clearview Township Office, Stayner

Representatives from the Township of Clearview and the consulting firm will be available at this Public Information Centre to discuss the project and answer questions.

If you wish to comment on the study or obtain additional information, please contact:

Mr. Jeff Langlois, P.Eng., MBA
R. J. Burnside & Associates Limited
3 Ronell Crescent
Collingwood, ON L9Y 4J6
Tel: 705-446-0515 Fax: 705-446-2399
Email: jlangois@rjburnside.com

Mr. Richard Spraggs, P.Eng.
Township of Clearview
Box 200, 217 Gideon Street
Stayner, Ontario L0M 1S0
Tel: 705-428-6230 x 243 Fax: 705-428-0288
Email: rspraggs@clearviewtwp.on.ca

This notice posted January 5, 2005.

H:\2003\MG 03 4662\Long Term EA\Notice of Commencement\LongTerm_Commencement Notice.doc

Sylvia Waters

From: Jennifer Vandermeer
Sent: Tuesday, January 19, 2021 8:43 PM
To: Sylvia Waters
Subject: FW: source water protection comments: 1585 Klondike Road, Stayner
Attachments: 1415404-M-Rev0-Response to NVCA Comments-18Dec2020.pdf

From: Ryan Post <rpost@nvca.on.ca>
Sent: Friday, January 08, 2021 10:54 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Bill Thompson (B.Thompson@lsrca.on.ca) <B.Thompson@lsrca.on.ca>
Subject: FW: source water protection comments: 1585 Klondike Road, Stayner

Jennifer;
hope all is well

I am satisfied with the response outlined in the attached document. is it possible to obtain the requested gis items via a secure file transfer in support of nvca comment 2.

thanks in advance and sincerely,
ryan post

From: Jennifer Georgas [<mailto:Jennifer.Georgas@rjburnside.com>]
Sent: Monday, January 4, 2021 3:59 PM
To: Ryan Post <rpost@nvca.on.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Bill Thompson (B.Thompson@lsrca.on.ca) <B.Thompson@lsrca.on.ca>; Mike Rawn <mrawn@clearview.ca>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Subject: RE: source water protection comments: 1585 Klondike Road, Stayner

Hi Ryan,

Hope you had a nice holiday break.

Thank you for providing comments December 4th, 2020 in response to Golder's reports. Please find attached our response (via Golder) to the comments. Please advise if you need anything further and how we proceed to the next steps of the process.

We have circulated MECP as well to ensure they are aware of the additional information provided. **Chunmei**, please circulate to MECP staff as required.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

Sylvia Waters

From: Jennifer Vandermeer
Sent: Tuesday, January 19, 2021 8:42 PM
To: Sylvia Waters
Subject: FW: source water protection comments: 1585 Klondike Road, Stayner

For EA File

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Wednesday, January 06, 2021 10:48 AM
To: Ryan Post <rpost@nvca.on.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Bill Thompson (B.Thompson@lsrca.on.ca) <B.Thompson@lsrca.on.ca>; Mike Rawn <mrawn@clearview.ca>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Subject: RE: source water protection comments: 1585 Klondike Road, Stayner

Hi Ryan,

Further to my previous email, please find the AODA compliant version of the report as requested at the link below.

 [210106 GOLDER REPORT TO NVCA](#)

Please let me know if you have issues with access. The link will expire in 60 days.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Jennifer Georgas
Sent: Monday, January 04, 2021 3:59 PM
To: Ryan Post <rpost@nvca.on.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Bill Thompson (B.Thompson@lsrca.on.ca) <B.Thompson@lsrca.on.ca>; Mike Rawn <mrawn@clearview.ca>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Subject: RE: source water protection comments: 1585 Klondike Road, Stayner

Hi Ryan,

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We have circulated MECP as well to ensure they are aware of the additional information provided. **Chunmei**, please circulate to MECP staff as required.

Thanks,
Jennifer

From: Ryan Post <rpost@nvca.on.ca>
Sent: Friday, December 04, 2020 11:34 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Bill Thompson (B.Thompson@lsrca.on.ca) <B.Thompson@lsrca.on.ca>; Mike Rawn <mrawn@clearview.ca>
Subject: source water protection comments: 1585 Klondike Road, Stayner

Jennifer:

Please find attached the NVCA comments on the two recently submitted Golder and Associates reports in support of the proposed new municipal well in Stayner, Township of Clearview at 1585 Klondike Park road.

Feel free to contact me if you have any questions or comments.

sincerely
Ryan Post



MEMORANDUM

Date: December 4, 2020

To: Jennifer Georgas, P.Eng. Project Engineer; R.J. Burnside & Associates Limited (cc to Mike Rawn (Clearview), Devin Hannan (Golder), Bill Thompson (LSRCA))

From: Ryan Post

RE: Proposed new municipal well: 1585 Klondike Park Road, Stayner, Township of Clearview

Documents reviewed:

- a) Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Water Supply Exploration Addendum by Golder Associates and dated December 21, 2018 (Golder file number: 14145404).
- b) Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Groundwater Modelling and Source Water Protection completed by Golder Associates and dated October 2020 (Golder file number: 14145404).
- c) Assessment Report and Plan Amendments under s.34 of the Clean Water Act- Municipal Obligations for Implementing Regulatory Requirements in the SGBLS Region completed by LSRCA and dated November 2020.

Background:

Located at 1585 Klondike Park Road, the proposed new well(s) will service the Town of Stayner, Clearview Township. Water will be abstracted from the A3 regional aquifer. The construction of three municipal wells at the site is to supply an additional 60 L/s of average daily demand and 120 L/s of maximum daily demand to Stayner.

The groundwater modelling assessment estimates the hydrogeological effects of the proposed new municipal groundwater supply well pumping, including potential drawdown, well interference and baseflow changes at surface water receptors. In addition, supply well capture zones have been delineated to identify any water quality / quantity risks, with a notable concern being two Simcoe County landfills located within two kilometers of the site.

The modelling uses the updated version of the pre-existing "Wasaga Beach" 3D MODFLOW groundwater model. This model was originally developed during the South Simcoe Groundwater Study and was most recently used in the groundwater vulnerability assessment calculations and mapping for the NV SPA Assessment Report, completed as per the MOECC Technical Rules under the Clean Water Act. The model was enhanced using the Ontario Geological Survey Central Simcoe 3D block model project findings based on deep borehole evaluations.

The NVCA previously provided comments, dated June 10, 2020 regarding the Stayner Long Term Water Supply Municipal Class Environmental Assessment.

The submission of the two reports correspond to items required in Step 3- Source Protection Work in support of Step 4- Notice from the SPA as outlined in Assessment Report and Plan Amendments under s.34 of the Clean Water Act- Municipal Obligations for Implementing Regulatory Requirements in the SGBLS Region (attached).

Comments:

1. The few outstanding items regarding the modelling, e.g. uncertainty analysis, updated vulnerability scoring, threats assessment reporting, etc. as stated in the previous NVCA comments submitted on June 10, 2020 have been addressed in the Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA-groundwater modelling and source water protection report dated October 2020. As previously noted, the approval of the well head protection areas is the authority of the MECP.
2. As supporting info, please provide the GIS shapefiles of the new well, vulnerable areas and vulnerability scoring including the percent impervious, percent managed lands, and livestock density, etc. Note- we will be recreating the figures to be in a consistent format. As a result 1) the vulnerability scoring in figure 22 will be adjusted to be consistent with the other maps/scoring, 2) the colour coding of the percent managed lands will be modified (figure 25), and 3) potential removal of figure 23- condition.
3. Please advise on the methodology used for the percent managed lands? The Ministry of Environment released two technical bulletins outlining the methodology for calculating percent managed lands and livestock density. The first was released in September 2009 and the updated bulletin was released in November 2009. It is encouraged that the November, 2009 methodology be used. The notable difference in methodology from the September to November technical bulletin as it relates to the percent managed lands calculation is as follows:

September 2009 MOE technical bulletin	Where a portion of a farm unit managed land(s) falls within a vulnerable area, the entire parcel of land should be factored into the calculations of the percent managed land.
November 2009 MOE technical bulletin	Where only a portion of a managed land parcel falls within a vulnerable area, only the portion of the parcel within the vulnerable area should be factored into the calculations of the percent managed land.

4. The 3 proposed pumping wells were modelled at 20 L/sec each respectively as denoted in section 3.6 Pumping Wells of the Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA-groundwater modelling and source water protection report. However, the introduction states "based on the 2018 testing, it is inferred that the construction of four municipal wells at the Site (with one as standby by for firm capacity) would be able to supply an additional 120 L/s of maximum daily demand to Stayner. Assuming a maximum daily factor of 2.0, the ADD would be 60 L/s." Please advise why the WHPAs were delineated using the ADD instead of the MDD.

5. It is noted in the water supply exploration addendum section 5.5- further water supply development that "if three municipal supply wells are placed at the point of an equilateral triangle with sides 8m long, then each operating well operating at 40 l/s would have a drawdown of 6.1 m (1.5m of drawdown from the other wells and 3.1m of drawdown from its operation)". However, the WHPA figures in the groundwater modelling and source water protection report outline the wells in a north south alignment. Please advise on the configuration of the wells.
6. Please advise if the two Golder reports are AODA compliant.
7. Please ensure "Appendix F- Supplemental items to facilitate Ministry's review" of Assessment Report and Plan Amendments under s.34 of the Clean Water Act- Municipal Obligations for Implementing Regulatory Requirements in the SGBLS Region completed by LSRCA and dated November 2020 is filled out.

Assessment Report and Plan Amendments under s.34 of the Clean Water Act – Municipal Obligations for Implementing Regulatory Requirements in the SGBLS Region

November 2020

Purpose

To provide guidance to municipalities for understanding their role and obligations for implementing the regulatory requirements under the *Safe Drinking Water Act, 2002*, O. Reg. 205/18 and the *Clean Water Act, 2006*, s.48(1.1) (b), O. Reg. 287/07 in order to incorporate source protection planning into the municipal residential drinking water supply process.

Background

The *Safe Drinking Water Act, 2002* and the *Clean Water Act, 2006* were amended to ensure that source protection planning is incorporated early in the municipal residential drinking water supply process.

Effective July 1, 2018, the new amendments require that system owners ensure that work to assess the vulnerability of a new or expanding drinking water system is completed and accepted by the SPA before the owner can apply for a drinking water works permit / license, and that the water not be provided to the public until the updated source protection plan that protects the system is approved by the Ministry of the Environment, Conservation, and Parks.

Under section 2(3) of O. Reg. 205/18, an application for an amendment to a drinking water works permit / license, must be accompanied by a copy of a Notice (described in Clause 48 (1.1) (b) of O. Reg. 287/07) given to the owner of the drinking water system. This Notice must state that the SPA is satisfied that the technical work has been completed, for the purpose of identifying amendments to the source protection plan that are anticipated to be necessary, and the timing to submit any proposed amendments to the Ministry of the Environment, Conservation, and Parks.

Implementing the Regulations in the SGBLS Source Protection Region

To assist with the implementation of these new requirements, a protocol including a workflow diagram, checklist and Gantt chart has been developed. The goal is to provide a framework linking source protection planning to Municipal Class Environmental Assessment (EA) and drinking water works permit / license processes. The protocol is comprised of:

1. Workflow diagram (Appendix A)
2. Gantt chart illustrating the approximate timing of required steps (Appendix B)
3. Frequently Asked Questions (Appendix C)
4. Series of Class Environmental Assessment and Source Protection Planning Matrices (Appendix D)
5. Checklist of files to be submitted to the Source Protection Authority (Appendix E)
6. Supplemental Items to Facilitate Ministry's Review (Appendix F)
7. WHPA Decision Tree (Appendix G)

Appendix A – Work Flow Diagram

Step in S.34 Process	
Step 1: Early Planning Municipal residential drinking water system owners and local Source Protection Authority (SPA) discuss the owner's intention of establishing or altering a system	~ Timing (Approximate timing for SPA to complete steps after receiving notice *)
Step 2: Notification from Owner System owner conducts technical EA and source protection planning work (mapping, vulnerability) and provides confirmation to the local SPA of their intent of applying for a permit / license from MECP.	
Step 3: Source Protection Work Complete and submit WHPA mapping and vulnerability delineation to the local SPA and the Lead SPA program Manager. Note that even after approval of EA, the provision of water cannot commence until the updated SPP is approved	
Step 4: Notice from SPA Local SPA reviews technical work to determine if work is sufficiently complete to identify amendments needed to the SPP and if complete, issues a Notice to the owner stating that the work is complete. Owner can then apply for a drinking water works permit / licence	~1 month
Step 5: SPP Update Step 5a: Early Engagement 1 Local SPA to inform affected municipalities that council resolution will be required and start early engagement with MECP for feedback	~1 month (likely to be completed concurrently with Step 4)
Step 5b: Plan Amendment(s) Developed SPA and SPC agree on amendments required	~3 months
Step 5c: Early Engagement 2 At the discretion of the local SPA copies of proposed amendments can be provided to Clerk of affected municipalities and other persons	~1-2 months (may be able to be completed concurrently with Step 5b)
Step 5d: Pre-consultation Notice of SPP revisions including draft policy text, summary of rationale for changes, and request for written comments sent to impacted bodies including municipalities and government bodies	
Step 5e: Municipal Endorsement Municipality(ies) affected by proposed amendments pass a council resolution endorsing the amendments if it has not already been accomplished in pre-consultation step 5c	TBD by municipality
Step 5f: Public Consultation Local SPA publishes proposed amendments on website with hardcopies to be made available and notification in newspaper and to affected parties. Public consultation to last at minimum 35-days from date of notification	~1-2 months
Step 5g: Finalize Amendment Package Obtain final endorsements from SPA board(s) and prepare MECP submission package	~2 months
Step 6: SPA Submission to MECP Including a cover letter confirming SPA support of amendments, proposed amendments, revised explanatory document, summary of all consultation activities, and example notices	~1 month
Step 7: Provision of Water Chair of SPC, Local and Lead SPAs will receive notification from Ministry that amendments to the SGBLS Source Protection Plan have been approved. The drinking water system owner can now supply water to the public	

* Please note that approximate timing for SPAs to complete each workflow step is a very rough estimate and will depend on the complexity of the update and the ability to schedule meetings with relevant committees, boards, and councils.

Appendix B – Gantt chart approximation of timelines for reference

Very Approximate Timeline (will vary depending on complexity of amendment)	Items/details	Responsibilities	Before S.34 Initiated by SPA	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	After MECP approval
Step 1: Early Planning		Municipality														
Step 2: Notice from Owner		Municipality														
Step 3: Source Protection Work		Municipality														
Step 4: Notice from SPA	Review technical work for completeness	Local SPA														
	Issue a notice to the owner	Local SPA														
Step 5a: Early Engagement 1	Early engagement with MECP to discuss technical work and inform MUN will require council resolution	Local SPA														
Step 5b: Plant Amendment(s) Developed	Amendments to SPP and AR (changes to text, figures, etc.)	Local SPA														
	Technical work presented to SPC	Local SPA														
Step 5c: Early Engagement 2	Notice to MUN to inform of amendment and formally request council resolution as well as provide amendment package	Local SPA														
Step 5d: Pre-consultation	Send out letters and amendment package and allow ~ 30 days for written comments	Local SPA														
Step 5e: Municipal Endorsement	Timeline set by municipal council meetings	Local SPA with support from Municipality														
Step 5f: Public Consultation	Cannot start until all municipal endorsement obtained, must last minimum of 35 days	Local SPA														
Step 5g: Finalize Amendment Package	Incorporate public consultation comments and start putting together MECP package for submission	Local SPA														
	Obtain endorsement from SPA Board (Note that when need endorsement from local and lead SPA boards may extend timeline)	Local and Lead SPA														
Step 6: SPA Submission to MECP	Finalize MECP submission package and submit	Local SPA														
Step 7: Provision of Water		MECP														

* Please note that approximate timing for SPAs to complete each step is a very rough estimate and will depend on the complexity of the update and the ability to schedule meetings with relevant committees, boards, and councils.

Appendix C – Frequently Asked Questions

How do you determine how to delineate a WHPA?

The Source Protection Authority is not in a position to make recommendations or tell you what to do, however, we have developed a WHPA decision tree to help you with the decision. Source Protection Authority staff would be happy to assist you in understanding the suite of questions asked in the decision tree. Please see appendix G for the WHPA decision tree.

Can the SPA review our technical work before completed to avoid any costly redo's and delays?

Unfortunately, it is not the role of the Source Protection Authority to evaluate if the science behind the WHPA delineation and other technical work is acceptable. This is the responsibility of MECP. As a result, the Source Protection Authority will coordinate Early Engagement with MECP to ensure they are able to review the technical work prior to initiating the full S.34 process. This will ideally identify any questions and/or concerns that MECP has, which can be addressed sooner rather than later and minimize any potential delays.

Who should be at the Early Engagement meeting?

The 3 key players that need to be at the Early Engagement meeting are the local Source Protection Authority, MECP, and the owner of the drinking water system (e.g. municipality). It is beneficial to have someone knowledgeable of the technical work at this meeting also and in some cases, this means the consultant that completed the work should also attend.

Does the Class EA process need to be completed before we can submit our technical work?

Yes, the class EA process should be completed before you finalize and submit your technical work to the SPA. However, this doesn't mean it needs to be complete before you think about the source water work as in many situations knowing the impact of source protection policy can inform where to place your well.

How involved is the system owner (e.g. municipality) during the S.34 process?

After the SPA has received the technical work, we will lead the S.34 process. However, at a bare minimum, it is expected that you, as the system owner, will be available for consultations with MECP and the Source Protection Committee. In some cases we may also ask for assistance with obtaining Municipal Council Resolutions; however, it is important that the SPA controls the timeline as the S.34 process is very prescriptive and requires certain steps to be completed before others are initiated.

What if the WHPA extends outside the South Georgian Bay Lake Simcoe Source Protection Region?

In this situation the local Source Protection Authority will work with the neighbouring source protection region to collaborate on the consultation steps in the S.34 process (early engagement, pre-consultation, municipal endorsement, and public consultation). However, both Source Protection Authorities will submit their own S.34 application to MECP for approval.

How long will the whole S.34 process take?

As a result of the drastically different amendments that could occur and all the steps and individuals involved, it is very difficult to estimate the timing. Also, please keep in mind that we are still learning this process and will have a better understanding in the future. As of now (2020.11.01) we are providing a rough estimate of approximately 1 year for the SPA process, which is from the time we get the technical work to when we can submit to MECP, but this could change drastically between amendments. At the end of the day, the Source Protection Authority will work hard to meet your timelines, but final approval rests with MECP.

Appendix D – Series of Class Environmental Assessment and Source Protection Planning Matrices

Table 1: Class Environmental Assessment and Source Protection Planning Matrix – New Supply Well

Category #	Municipal Supply Well Category	Class EA Schedule	Technical Work Required to Confirm Category	Technical Work for AR (modelling)	Changes to AR	Changes to Time of Travel	Notice Required	Content of Notice	Type of Amendment*	Clean Water Act Public Consultation Requirements	Comments
1a	Direct replacement well (same depth, same Capture Zone Delineation Rate, same property, no new threats)	A	No	No	Minor	No	yes	Satisfied that work is complete (existing WHPA provides protection for new well)	S.34,35,36	Formal 35-day public consultation period for AR and SPP	Only WHPA-A shift, amendment type dependent on magnitude of change to WHPAs. Work may not alter the vulnerable area scoring, affected properties and threats. In this situation the SPP amendment can be made at a later date, i.e. the system owner can provide water to the public before the updated plan is approved by the Province. The SPA notice would indicate that plan amendments are not necessary at this time.
1b	Direct replacement well (same depth, same Capture Zone Delineation Rate, different property, new threats)	A	No	No	Minor	No	yes	Satisfied that work is complete (existing WHPA doesn't provide protection and SPP will need to be updated)	S.34	Formal 35-day public consultation period for AR and SPP + property owner notification	WHPA-A shift and new threats delineation
2	Direct replacement well (same depth, decreased Capture Zone Delineation Rate, same property, no new threats)	A	No	yes	Minor	yes	yes	Satisfied that work is complete (existing WHPA provides protection for new well)	S.34,35,36		Smaller WHPAs, amendment options (s.34/s.36) a matter of timing and priorities. Since changes are protected by existing WHPA, it may be decided that the system owner can provide water to the public before the updated plan is approved by the Province. The SPA notice would indicate that plan amendments are not necessary at this time.
3	Direct replacement well (same depth, increased Capture Zone Delineation Rate, same property, new threats)	A	No	yes	Minor/Major	yes	yes	Satisfied that work is complete (new technical work)	S.34	Formal 35-day public consultation period + property owner notification	Larger WHPAs and new threats delineation
4a	New well, existing water supply system (back-up capacity), close proximity (same Capture Zone Delineation Rate, same property, no new threats)	A	No	No	Minor	No	yes	Satisfied that the work is complete (existing WHPA provides protection for new well)	S.34,35,36	Formal 35-day public consultation period for AR and SPP	Assumes backup well is same or less Capture Zone Delineation Rate and within defined WHPA, new WHPA-A added, type of amendment dependent on magnitude of change in WHPAs. Work may not alter the vulnerable area scoring, affected properties and threats. In this situation the SPP amendment can be made at a later date, i.e. the system owner can provide water to the public before the updated plan is approved by the Province. The SPA notice would indicate that plan amendments are not necessary at this time.
4b	New well, existing water supply system (back-up capacity), close proximity (same capture Zone Delineation Rate, different property, new threats)	A	No	No	Minor	No	yes	Satisfied that work is complete (existing WHPA doesn't provide protection and SPP will need to be updated)	S.34	Formal 35-day public consultation period for AR and SPP + property owner notification	WHPA-A addition and update new threats
5	New well, existing water supply system, new location	B	No	yes	Major	yes	Yes (new)	Satisfied that work is complete (new technical work)	S.34	Formal 35-day public consultation period for AR and SPP + property owner notification	New WHPAs
6	New well system at new location	C	No	yes	Major	yes	Yes (new)		S.34		

* S.34: Initiated by SPA, major revisions related to specific system, requires Minister approval

S.35: Top-down (ordered by the Minister), major revisions related to specific system/issue, required Minister approval

S.36: Top-down (ordered by the Minister), comprehensive review with major/minor revisions, required Minister approval

S.51: administrative, in-house, does not require Minister approval

Table 2: Class Environmental Assessment and Source Protection Planning Matrix – Existing Supply Well

Category #	Municipal Supply Well Category	Class EA Schedule	Technical Work Required to Confirm Category	Technical Work for AR (modelling)	Changes to AR	Changes to Time of Travel	Notice Required	Content of Notice	Type of Amendment*	Clean Water Act Public Consultation Requirements	Comments
7	Increase in capacity at existing well	B	No	yes	Minor	yes	yes	Satisfied that work is complete (new technical work)	S.34	Formal 35-day public consultation period for AR and SPP + property owner notification	Larger WHPA
8	Installation of liner or casing in existing well (no substantial change where water coming from)	A	No	No	No	No	yes	Satisfied that work is complete (existing WHPA provides protection for new well)	N/A	No	
9	Installation of liner or casing in existing well (substantial change where water coming from)	A	yes	yes	Minor	yes	yes	Satisfied that work is complete (new technical work)	S.34,35,36	Formal 35-day public consultation period for AR and SPP + property owner notification	Amendment type dependent on magnitude of change to WHPAs Work may not alter the vulnerable area scoring, affected properties and threats. In this situation the SPP amendment can be made at a later date, i.e. the system owner can provide water to the public before the updated plan is approved by the Province. The SPA notice would indicate that plan amendments are not necessary at this time.
10	Deepening existing well (no substantial change where water coming from)	A/B	yes	No	No	No	yes	Satisfied that work is complete (existing WHPA provides protection for new well)	N/A	No	Assume same aquifer, no change in Capture Zone Delineation Rate
11	Deeping existing well (substantial change where water coming from)	A/B	yes	yes	Minor	yes	yes	Satisfied that work is complete (new technical work)	S.34,35,36	Formal 35-day public consultation period for AR and SPP + property owner notification	Amendment type dependent on magnitude of change to WHPAs Work may not alter the vulnerable area scoring, affected properties and threats. In this situation the SPP amendment can be made at a later date, i.e. the system owner can provide water to the public before the updated plan is approved by the Province. The SPA notice would indicate that plan amendments are not necessary at this time.
12	Addition of treatment system to supply wells	A/B	No	No	No	No	yes	Satisfied that work is complete (existing WHPA provides protection for new well)	N/A	No	
13	Well decommissioning (removal of entire WHPA and/or no change to existing nearby WHPA)	N/A	No	No	Minor	N/A	No	N/A	S.51	N/A	If there will be no changes to the existing WHPA, then at the discretion of the SPA a letter may be requested to indicate why If a nearby WHPA will impacted by the removal, follow Category #14
14	Well decommissioning (expected change to existing nearby WHPA such as change in vulnerability scoring)	N/A	No	Yes	Minor	Yes	Yes	Satisfied that work is complete (new technical work)	S.34,36	Formal 35-day public consultation period for AR and SPP	Need to obtain information from the new PTTW if altered (need permit #, permitted rates, etc.) *Note: at discretion of SPA in collaboration with SPC and municipalities, an update to the SPP could be made through a S.51 even if decommissioning of well/intake impacts neighbouring systems. Will depend on situation.

Table 3: Class Environmental Assessment and Source Protection Planning Matrix – New and Existing Drinking Water Intake

Category #	Municipal Supply Well Category	Class EA Schedule	Technical Work Required to Confirm Category	Technical Work for AR (modelling)	Changes to AR	Changes to Time of Travel	Notice Required	Content of Notice	Type of Amendment*	Clean Water Act Public Consultation Requirements	Comments
15	New intake at new location (existing system)	B	No	Yes	Major	Yes (new)	Yes	Satisfied that work is complete (new technical work)	S.34	Formal 35-day public consultation period + property owner notification	New IPZs
16	New intake at new location (new system)	C	No	Yes	Major	Yes (new)	Yes	Satisfied that work is complete (new technical work)	S.34	Formal 35-day public consultation period + property owner notification	New IPZs
17	Any infrastructure to current intake	A/B	yes	yes	No	no	Yes	Satisfied that work is complete (existing IPZ provides protection for intake)	N/A	No	

Appendix E – Checklist of files to be submitted to the SPA

System owner conducts technical work and provides a notice to the SPA of their intent of applying for a permit/license from the MECP. Technical work required, based on anticipated changes, is below.

NO CHANGES TO VULNERABLE AREAS DELINEATION OR SCORING – WHPA OR IPZ

- ☐ A professional opinion confirming that no changes to technical work are necessary. This opinion can be in the form of a written memo or letter and should include:
 - ☐ Written memo/letter on company letterhead
 - ☐ Stamp from a qualified professional
 - ☐ In the case of a new well this memo/letter should also include a map confirming that the addition of the new WHPA-A will not result in any new threats (i.e. the new WHPA-A is completely within the existing properties and does not incorporate new properties)

NEW TECHNICAL WORK – WHPAS

- ☐ A report submitted with a stamp from a qualified professional confirming the following details (please note all reports must be AODA compliant):
 - ☐ Description and map of wellhead protection areas and vulnerability scores,
 - ☐ Description of wells (depth, screen depth, geologic unit etc),
 - ☐ Pumping rates from Permit-To-Take-Water (maximum and average) and permit number / ID,
 - ☐ Description of groundwater model used and assumptions (model inputs such as infiltration rates, model boundary conditions, etc.),
 - ☐ Mapping of groundwater intrinsic vulnerability ratings (high, medium, low),
 - ☐ Description of how vulnerability scores were determined,
 - ☐ Description of the groundwater intrinsic vulnerability ratings and vulnerability scores,
 - ☐ List and counts of existing prescribed significant threats (please identify number of threats removed or added if within an existing system) and number of parcels
 - ☐ Will also need the following significant threat information for each revised WHPA (for both Original and Amended versions): **1)** number and type of SDWT found within the WHPA A to C; **2)** number and type of SDWT found within a WHPA with vulnerability score of 10
 - ☐ Mailing list of properties with significant drinking water threats and type of threat
 - ☐ Uncertainty analysis for WHPAs should be completed for new systems and are optional for existing systems (i.e., can be updated based on discretion of municipality)
 - ☐ Make sure that we also get material necessary to identify areas where an activity or condition is or would be a significant/moderate/low drinking water threat. In some cases this may mean maps of percent impervious, percent managed lands, and livestock density
 - ☐ NOTE: for percent managed lands there are two methods for calculating (September 2009 and November 2009). If the newer November 2009 methodology is estimated to change the % managed lands scoring such that a commercial fertilizer, ASM or NASM would become a threat then the new method should be used. However, if there is no major difference between the methods then use whichever method is consistent with the exiting methodology within the Municipality. Also keep in mind that if there are existing WHPAs in the same system they should use the same methodology (i.e. if changing methodologies other wells would need to be updated to the new methodology also).

NEW TECHNICAL WORK – IPZs

- ☐ A report submitted with a stamp from a qualified professional confirming the following details:
 - ☐ Description (including depth of intake pipe) and map of intake protection area and vulnerability scores,
 - ☐ Description of watercourse,
 - ☐ Identification of storm sewers and ditches used for surface water delineations,
 - ☐ Flow statistics,
 - ☐ Information about the dye/drogue studies including corresponding hydraulic studies and corresponding assumptions used to delineate IPZ-2,
 - ☐ Description of how vulnerability scores were determined, and
 - ☐ List and counts of existing prescribed threats .
 - ☐ Make sure that we also get material necessary to identify areas where an activity or condition is or would be a significant/moderate/low drinking water threat. In some cases this may mean maps of percent impervious, percent managed lands, and livestock density

NEW TECHNICAL WORK – SUPPORTING INFORMATION MANAGEMENT REQUIREMENTS

- ☐ Separate GIS shapefiles of the new well/intake, vulnerable areas and vulnerability scoring
- ☐ If applicable, the locations of:
 - ☐ Storm sewer(s) and ditch(es) used for intake protection zone delineations,
 - ☐ Transport Pathways
 - ☐ Make sure that we also get material necessary to identify areas where an activity or condition is or would be a significant/moderate/low drinking water threat. In some cases this may mean GIS shapefiles of percent impervious, percent managed lands, and livestock density

Appendix F – Supplemental Items to Facilitate Ministry’s Review

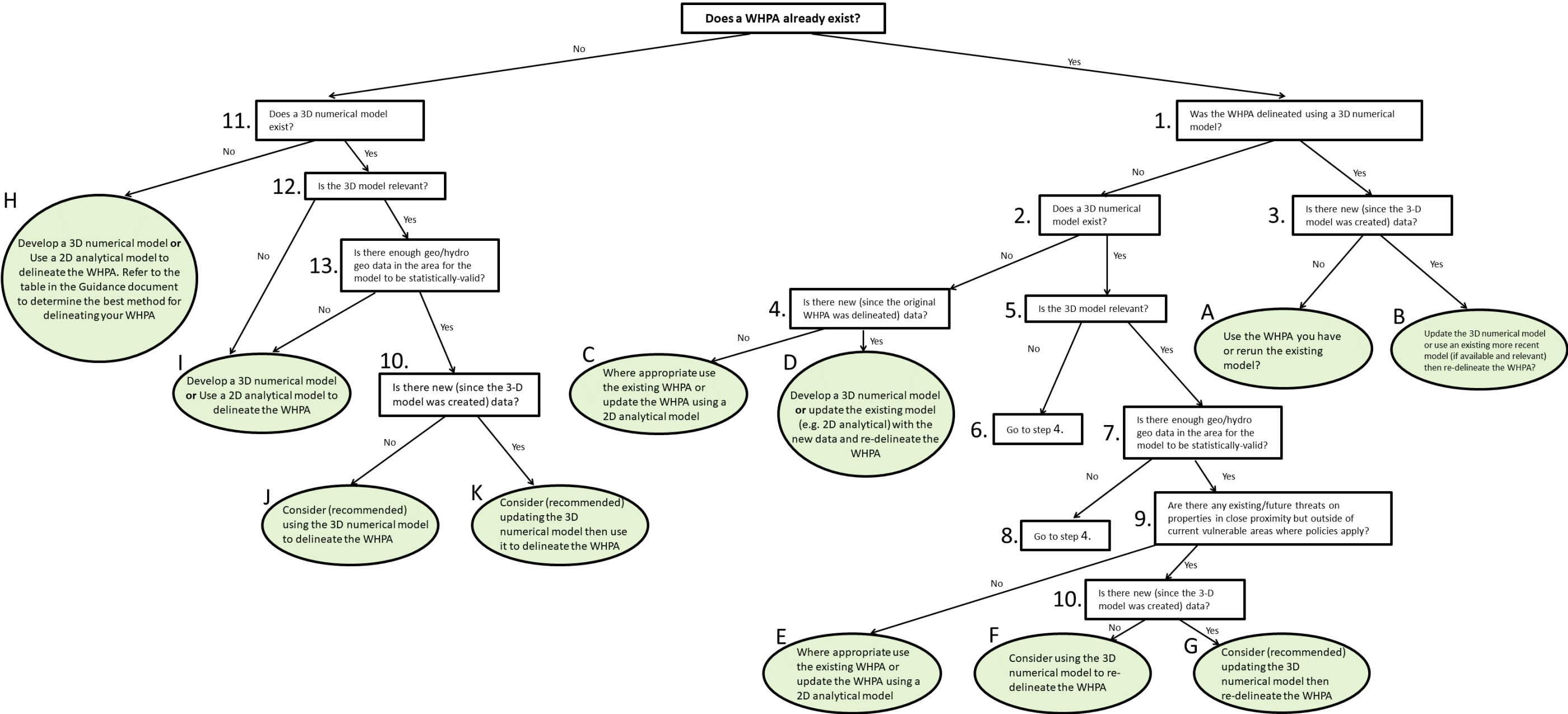
Information in the table will be used to facilitate the Ministry’s analysis of the amendment. Include separate rows for each changing WHPA, IPZ or ICA.

Total surface area of SPR	11890 km ²		
Mix and proportion of land uses within each revised WHPAs/IPZs, and any ICAs (estimated % using maps is sufficient)	<input type="checkbox"/> Residential <input type="checkbox"/> Rural <input type="checkbox"/> Agricultural <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial		
Area, property and significant threat details – please provide separate rows for each revised WHPA, IPZ or ICA	Original	Amended OR	Change between Original and Amended
Surface area of WHPA A-C, IPZs scoring 8 or higher, and any ICAs	km ²	km ²	km ²
Approx. number of properties / parcels in WHPA A-C, IPZ scoring 8 or higher, and any ICAs, as well as the types and number of significant threats in these areas			
Surface area of WHPA/IPZ scoring 10, and any ICAs	km ²	km ²	km ²
Approx. number of properties / parcels in WHPA/IPZ scoring 10, and any ICAs, as well as the types of significant in these areas			

New Well or WHPA Decision Tree

(new well or WHPA needs to be added to the Assessment Report and Source Protection Plan)

Please start by determining the Category of your municipal supply well from the Table in Appendix C – Series of Environmental Assessment and Source Protection Planning Matrices (from Assessment Report and Plan Amendments under s.34 of the Clean Water Act- Internal Process for Implementing Regulatory Requirements in the SGBLS Region, July 2019) to identify if new technical work is required.



It is recommended that for each new/altered WHPA, the owner of the drinking water system (commonly the municipality) have a qualified person walk them through the decision tree (above)

Guidance for the WHPA Decision Tree

This document is a companion document to the “New Well or WHPA Decision Tree” that can be used to assist municipalities when determining what type of methodology (e.g., 2D analytical or 3D model, etc.) should be used to delineate a new WHPA or change an existing WHPA. This document specifically provides additional guidance on how to answer each of the questions in the decision tree.

It is important to note that this information, and the associated decision tree, is provided as guidance and does not represent endorsement from the South Georgian Bay Lake Simcoe Source Protection Region of any specific methodology for WHPA delineation. The final decision rests with the municipality to determine what methodology to use and we recommend the municipality obtain a qualified person (professional Geoscientist or Engineer for example) to help make this decision.

2. Does a 3D numerical model exist?

You can visit the Oak Ridges Moraine Groundwater Program website at <https://www.oakridgeswater.ca/> and click on the maps link to view a map that shows the boundaries of the numerical models that are currently held by the program under the Model Custodianship Program. For all other models (2D analytical for example) contact your local Source Protection Authority.

3., 4. and 10. Is there new (since the 3-D model was created) data?

To determine if there is any new data in the immediate vicinity of the current WHPA we recommend searching for new data within 2x the length of the WHPA D radius from the well(s). This would include data such as new water wells (wells requiring a permit to take water, domestic and municipal wells), geotechnical boreholes (and associated reports), continuously-cored holes, observation wells, permitted water takings, well tests (such as pumping test) etc.

If there is a significant amount of new geological/hydrogeological data now available within the vicinity of the well then a qualified person should determine if it is worthwhile to update the model with this information prior to re-delineating the WHPA.

5. Is the 3D model relevant?

Is the current 3D model that you are considering using to delineate your WHPA relevant? If the model is out of date or created for an entirely different purpose than for source water protection (e.g., a model developed for the sole purpose of delineating recharge areas that support groundwater-dependent ecological features such as wetlands would not be appropriate) then you would not want to use it.

7. and 13. Is there enough geo/hydro geo. data in the area for the model to be statistically valid?

Even if there is a relevant regional 3D numerical model in the area, if there is not enough groundwater data or geological data in the area of your municipal wells then a 2D-delineated WHPA may be just as accurate (same level of confidence in the WHPA) as a 3D-delineated WHPA.

9. Are there any existing/future threats on properties in close proximity but outside of current vulnerable areas where policies apply?

Inspect each of the parcels of land that intersect with WHPA A-C and note the designated land use, the potential threat activities on the landscape and the type of land cover. Ask yourself, "If the WHPA were to increase in size would this introduce new significant drinking water threats". If your answer to that question is yes then you may want to consider using the 3D numerical model to re-delineate the WHPA, this would provide more confidence that all threats to the well are being adequately addressed.

Sylvia Waters

From: Jennifer Georgas
Sent: Friday, August 28, 2020 9:18 AM
To: Sylvia Waters
Cc: Jennifer Vandermeer; 300044192 Stayner Water EA
Subject: FW: Stayner Well Site
Attachments: Stayner new well_EA comments_NVCA_10-JUN-2020.pdf

From: Ryan Post <rpost@nvca.on.ca>
Sent: Wednesday, June 10, 2020 2:10 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Subject: RE: Stayner Well Site

jennifer

please find attached the requested comments on the Schedule B project for the Long Term Water Supply Municipal Class Environmental Assessment related to the proposed new municipal wells located at 1585 Klondike Park Road.

feel free to contact me if you have any questions

sincerely

rpost



MEMORANDUM

Date: June 10, 2020

To: Jennifer Georgas, P.Eng. Project Engineer; R.J. Burnside & Associates Limited

From: Ryan Post

RE: Stayner Long Term Water Supply Municipal Class Environmental Assessment

The Township of Clearview has submitted a Schedule B project for the Long Term Water Supply Municipal Class Environmental Assessment. The Class EA is to add an additional municipal well(s), located at 1585 Klondike Park Road, to the existing groundwater-based distribution system for Stayner in order to meet future population demands. To satisfy the regulatory requirements under the Safe Drinking Water Act and the Clean Water Act, the new municipal well(s) will be required to be in compliance with O. Reg. 205/18.

Documents reviewed:

1. Cover letter from RJ Burnside dated April 29, 2020 regarding "Future well in Stayner, update to Source Water Protection Plan (Project number: 300044192.0000)".
2. The Stayner long term water supply Class EA: Hydrogeology information package and source water protection considerations provided by Golder Associates and dated April 27, 2020 (Project number: 1415404) which includes:
 - a) Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Water Supply Exploration Addendum by Golder Associates and dated December 21, 2018 (Golder file number: 14145404).
 - b) Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA- Groundwater Modelling Addendum completed by Golder Associates and dated July, 2019 (Golder file number: 14145404).
 - c) South Georgian Bay Lake Simcoe Region Assessment Report and Plan Amendments under S. 34 of the Clean Water Act- Internal Process for Implementing Regulatory Requirements in the SGB LS Region and dated July 2019.

Background/Comments:

Located at 1585 Klondike Park Road, the proposed new well(s) will service the Town of Stayner, Clearview Township. Water will be abstracted from the A3 regional aquifer. The construction of three municipal wells at the site is to supply an additional 60 L/s of average daily demand and 120 L/s of maximum daily demand to Stayner.

The groundwater modelling assessment estimates the hydrogeological effects of the proposed new municipal groundwater supply well pumping, including potential drawdown, well interference and baseflow changes at surface water receptors. In addition, supply well

capture zones have been delineated to identify any water quality / quantity risks, with a notable concern being two Simcoe County landfills located within two kilometers of the site.

The modelling uses the updated version of the pre-existing "Wasaga Beach" 3D MODFLOW groundwater model. This model was originally developed during the South Simcoe Groundwater Study and was most recently used in the groundwater vulnerability assessment calculations and mapping for the NV SPA Assessment Report, completed as per the MOECC Technical Rules under the Clean Water Act. The model was enhanced using the Ontario Geological Survey Central Simcoe 3D block model project findings based on deep borehole evaluations.

The model spans an area of 191km² along Georgian Bay. The proposed well site lies somewhat centrally within the model domain; however, Stayner itself lies just southwest of the domain and therefore is not explicitly considered in the model. (It is noted that the other Stayner municipal wells were modeled using a Regional 3-D Modflow as outlined in the South Simcoe Groundwater Study, WHPA-Township of Clearview, Appendix G, Golder August 2004; <https://ourwatershed.ca/assets/uploads/2017/10/Nottawasaga-Valley-Chapter-10-Appendix.pdf>).

The model was used to assess the 2-year, 5-year, and 25-year time of travel (e.g. WHPA-B/C/D) with the capture zones reflecting the 2D projections to the groundwater surface and do not necessarily account for vertical travel times. Further, the greatest relative stream baseflow loss is projected at Little Marl Creek which is modelled to witness a baseflow decline of 1 L/s, resulting in a loss of 7.5% relative to existing conditions. It is noted that Little Marl Creek does not exhibit cold water fisheries and is not considered groundwater dependent.

It is recognized that this project corresponds to the Class EA process for a potential new municipal well. The ultimate approval agency is the MECP under the Clean Water Act, not the NVCA. Although supportive of the approach and findings of the modelling, the NVCA is not in the position to provide 'approval on the recent foundational model updates'. It is recommended that the NVCA start early engagement with MECP through the S.34 amendment process, subject to the Township's support. Early engagement would involve a meeting between the Township, MECP, and NVCA in addition to other agents the Township would like present to outline the technical work completed to date in case any flags are raised and in order to avoid costly redos should further revisions to the model construction or calibration be required by the MECP.

It is recognized that there are a few outstanding items regarding the modelling, e.g. uncertainty analysis, updated vulnerability scoring, threats assessment reporting, etc. that are required in order to update the Source Protection Plan and subject to early engagement for all technical work. Once completed, submitted, and satisfactorily reviewed the Nottawasaga Valley Source Protection Authority will issue a notice to the owner stating that the work is complete at which point the owner can then apply for a drinking water works/permits/ license. It is noted that a complete list of technical work required from the Township is outlined Appendix E- Checklist of files to be submitted to the SPA as outlined in South Georgian Bay Lake Simcoe Region Assessment Report and Plan Amendments under S. 34 of the Clean Water Act- Internal Process for Implementing Regulatory Requirements in the SGB-LS Region and dated July 2019.

Due to the OGS additional drilling and aquifer testing data, the regional hydrogeologic parameters and therefore the conceptual geological model were updated along with improved model calibration which resulted in the change to the Wasaga Beach Powerline

WHPA delineation independent of pumping at the Klondike Road municipal wells. (No other changes to proximal WHPAs were denoted). The NVCA is of the position that the Municipality of Wasaga Beach would be responsible for updating the WHPAs as a result of modelling updates if they choose to complete the update and is not the responsibility of Clearview Township.

Sylvia Waters

From: Jennifer Georgas
Sent: Monday, June 08, 2020 11:33 AM
To: Jennifer Vandermeer; Sylvia Waters; 300044192 Stayner Water EA
Subject: Fwd: Township of Clearview - Water Supply EA addendum materials - NVCA ID # 39007

Sent from my iPhone

Begin forwarded message:

From: Lee Bull <lbull@nvca.on.ca>
Date: June 8, 2020 at 10:59:01 AM EDT
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>, Mike Rawn <mrawn@clearview.ca>
Cc: Morgen Wilson <mwilson@nvca.on.ca>, Mike Francis <mfrancis@nvca.on.ca>, Alison Edwards <aedwards@nvca.on.ca>, Ryan Post <rpost@nvca.on.ca>
Subject: Township of Clearview - Water Supply EA addendum materials - NVCA ID # 39007

Good morning Jennifer

Thank you for the opportunity to provide further comment on the Clearview Water Supply EA addendum materials.

NVCA staff has reviewed the following information:

- RESPONSE EMAIL: From Jennifer Georgas, "RE: Long Term Water Supply to Clearview, Community of Stayner – NVCA ID #39007", dated May 12, 2020
- REPORT: Burnside, "Addendum to Long Term Water Supply to Clearview, Schedule B, Class EA", dated May 2020

Upon completion of our review we offer the following comments:

Ecology

1. NVCA staff is satisfied with the general impact and mitigation assessment, provided that all recommendations contained within are carried through to detailed design, and appropriately elaborated upon at that stage. We will want to see specific post-construction stabilization/re-vegetation measures, and we recommend that these plans incorporate native seed mixes and plantings wherever possible. NVCA staff would like to be circulated on these materials for our review and comment, once available.
2. Additional detail with regard to species at risk [SAR] mitigation will be warranted during the detailed design stage, including specifications for wildlife exclusion fencing, and any required worker training. Please note that in-water works and associated Department of Fisheries and Oceans [DFO] submissions will be required, please provide us with copies of correspondence in this regard, once available.

Engineering

3. All previous NVCA engineering comments have been acknowledged.

Source Water Protection

4. NVCA staff notes that further comments regarding the Klondike Park Road well will be issued under separate cover under the "Source Water Protection" umbrella.

We trust the foregoing comments are of assistance to you. Please feel free to contact the undersigned should you wish to discuss these comments in further detail.

Sincerely,

Lee J. Bull, MCIP, RPP | Manager, Planning Services

Nottawasaga Valley Conservation Authority

8195 8th Line, Utopia, ON L0M 1T0

T 705-424-1479 ext. 231 | F 705-424-2115

lbull@nvca.on.ca | nvca.on.ca

I am currently working remotely as the Nottawasaga Valley Conservation Authority is taking preventative measures to limit the spread of COVID-19. You may experience some delays or disruptions as we follow recommendations of health professionals to slow the virus from spreading.

This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender and destroy all copies of the original message.

Sylvia Waters

From: Jennifer Georgas
Sent: Wednesday, June 03, 2020 10:54 AM
To: Lee Bull; Mike Rawn
Cc: Morgen Wilson
Subject: RE: Township of Clearview Long Term Water Supply - Class EA - NVCA ID # 39007

Good morning Lee,

Per the comment below, we can confirm that the wells will be constructed at least 100m from the property boundaries to ensure municipal control of the land activities in the WHPA-A.

Can you confirm if we should be expecting any further comments from your team?

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Lee Bull <lbull@nvca.on.ca>
Sent: Tuesday, May 19, 2020 1:55 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>
Cc: Morgen Wilson <mwilson@nvca.on.ca>
Subject: Township of Clearview Long Term Water Supply - Class EA - NVCA ID # 39007

Good afternoon Jennifer

Nottawasaga Valley conservation Authority [NVCA] staff is pleased to provide further comments on the above noted Class EA.

NVCA staff has reviewed the following material:

- Township of Clearview Stayner Long Term Water Supply Schedule B Municipal Class EA-Water Supply Exploration Addendum by Golder Associates and dated December 21, 2018

Based up our review of the above noted report we offer the following comments:

Background:

The primary focus of this study is the water well drilling and aquifer testing completed at 1585 Klondike Park Road. This proposed new well will service the Town of Stayner, Clearview Township and water will be abstracted from the A3 regional aquifer. The well field will consist of 3 wells, targeting a production rate of 120 L per second.

Comment:

1. The wells should be constructed 100m from the property boundaries to ensure municipal control of the land activities in the WHPA-A. It is noted that the property has an area of 38 ha allowing for a wells to be positioned in a variety of locations.

The materials forwarded in response to our comments issued April 30, 2020 are under review by technical staff and comments on those materials will be issued under separate cover.

Please feel free to contact the undersigned should you wish to discuss these comments.

Sincerely,

Lee J. Bull, MCIP, RPP | Manager, Planning Services

Nottawasaga Valley Conservation Authority

8195 8th Line, Utopia, ON L0M 1T0

T 705-424-1479 ext. 231 | **F** 705-424-2115

lbull@nvca.on.ca | nvca.on.ca

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Sylvia Waters

From: Jennifer Georgas
Sent: Tuesday, May 12, 2020 9:39 PM
To: Lee Bull; Morgen Wilson
Cc: Jennifer Vandermeer; 300044192 Stayner Water EA; Sylvia Waters; Mike Rawn
Subject: RE: Long Term Water Supply to Clearview, Community of Stayner - NVCA ID # 39007
Attachments: 200512 StaynerWaterEA DRAFT.pdf

Hi Lee,

Thank you for your comments. Our responses are in **red** below, and a copy of the draft EA Addendum Report is attached for your review. Appendices and Figures to the EA document were provided previously and have therefore not been included.

We trust that this will satisfy your comments, however please contact us by May 22nd if any additional information is required.

Thanks,
Jennifer

ENGINEERING

1. Watercourse Crossings (6 in total):

Please consider the following at all watercourse crossings:

- mounting the watermain on the side or underside of the existing bridge deck

OR

- if tunnelling, ensure a minimal vertical separation of 2m is proposed between the obvert of the watermain and the invert of the watercourse

Mounting the watermain on the bridge deck is not desirable as it poses operational difficulties such as freezing. We will ensure a vertical separation distance of 2m is proposed at the tunneled crossings.

2. Erosion and Sediment Control:

In the future submission please submit full-scale erosion and sediment control (ESC) plan(s) for each individual watercourse crossing. Ensure the *Erosion and Sediment Control Guideline for Urban Construction*, December 2006 is referenced. Choose acceptable ESC measures and the applicable design details from this guideline.

Detailed erosion and sediment plans will be provided as part of the detailed design phase. We will reference the above referenced document.

ECOLOGY

3. The Natural Heritage (NH) Memo appears to adequately describe terrestrial conditions associated with the EA study area, and highlights several potential constraints related to

habitat for Species at Risk (SAR), as well as direct observations of SAR. These constraints are likely minor in nature, and Endangered Species Act (ESA) compliance can presumably be demonstrated through an appropriate mitigation program, as is the conclusion of the NH Memo. However, the NH Memo does not outline this mitigation program; it references an 'EA Addendum Report' as the source for any mitigation-related information. Is a copy of an additional EA Addendum Report available? If not at this point in time, NVCA staff would recommend that NH-specific mitigation measures should be included in the Memo. Given that noted NH constraints are primarily related to SAR, we might suggest that the proponent undertake some level of MECP consultation, if they have not so already.

Mitigation measures pertaining to potential impacts to natural heritage features in the Study Area are described in the following Sections of the EA Addendum Report, a draft copy of which is provided.

- Section 3.1 Surface Water/Hydrology and Soils and Sedimentation/Stormwater Management
- Section 3.3 Trees and Vegetation
- Section 3.4 Wildlife/Habitat

We do not intend to update the Natural Heritage Memo at this time because the mitigation measures are provided in the EA Addendum Report. The Natural Heritage Memo will be appended to the EA Addendum Report when it is issued for the 30-day review period following the issuance of the Revised Notice of Study Completion.

We have not contacted MECP regarding the potential SAR in the Study Area. We undertook a pre-screening of the Study Area with online resources (as per Client's Guide to Preliminary Screening for Species at Risk Ministry of the Environment, Conservation and Parks Species at Risk Branch, Permissions and Compliance DRAFT - May 2019). We don't anticipate impacts to SAR based on the site characteristics (established cultivated field and grassed road right-of-way with ditch) within the proposed work zone, the temporary nature of the work (i.e. disturbed areas to be restored following construction) and the fact that the level of anticipated encroachment into the naturalized portion of the proposed work zone is minimal. Potential impacts to SAR can be mitigated through timing restrictions or work methods as noted in the mitigation measures provided in the EA Addendum Report.

4. The Aquatic Habitat Conditions Memo also appears to adequately describe aquatic habitat conditions associated with the EA study area, including a breakdown of the thermal regimes and likely species assemblages associated with each watercourse crossing. The Aquatic Memo highlights the appropriate in-water timing windows, should such works be required. It further concludes that if in-water works are required, additional assessment should be undertaken to prepare submissions for authorizations under the *Fisheries Act*. All of this appears fine; however, the Aquatic Memo should also highlight appropriate mitigation measures for works in the vicinity of these watercourses, even if in-water works are not required, e.g. Erosion/Sediment Controls, Spill Response, construction staging instructions, etc. It is possible that these mitigation measures are outlined in a broader addendum report; regardless, any mitigation measures specifically related to fish habitat protection should also be appropriately contained in the Aquatic Memo.

Mitigation measures pertaining to potential impacts to aquatic features in the Study Area are described in the following Sections of the EA Addendum Report, a draft copy of which is provided.

- Section 3.1 Surface Water/Hydrology and Soils and Sedimentation/Stormwater Management
- Section 3.5 Fish and Fish Habitat

We do not intend to update the Aquatic Habitat Conditions Memo at this time because the mitigation measures are provided in the EA Addendum Report. The Aquatic Habitat Conditions Memo will be appended to the EA Addendum Report when it is issued for the 30-day review period following the issuance of the Revised Notice of Study Completion.

5. In reviewing the PIC slideshow, it notes on the final slide that one of the 'next steps' is to "Finalize EA Addendum Report". NVCA staff would welcome the opportunity to review a report which comprehensively ties in all natural heritage and aquatic-related considerations, as well as the above-noted mitigation concerns.

We have provided a draft copy of the EA Addendum Report to NVCA for review.

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

Sylvia Waters

From: Lee Bull <lbull@nvca.on.ca>
Sent: Thursday, April 30, 2020 9:23 AM
To: Jennifer Georgas; Morgen Wilson
Cc: Jennifer Vandermeer; 300044192 Stayner Water EA; Sylvia Waters; Mike Rawn
Subject: Long Term Water Supply to Clearview, Community of Stayner - NVCA ID # 39007

Good morning Jennifer

Thank you for following up. Nottawasaga Valley Conservation Authority [NVCA] staff do have comments and appreciate the opportunity to provide them to you at this point in the EA process.

NVCA staff has reviewed the following:

- R. J. Burnside, "New Well Site Alternative – Fig 2", dated 19/08/12
- R. J. Burnside, "New Well Site Alternative – Fig 1A", dated 19/08/12
- R.J. Burnside, Addendum to Clearview Long Term Water Supply EA, 'Natural Heritage Memo', dated Dec 20 2019
- R.J. Burnside, Addendum to Clearview Long Term Water Supply EA, 'Technical Memo – Aquatic Habitat Conditions', dated Jan 9 2020
- R.J. Burnside, Addendum to Long Term Water Supply to Clearview Schedule B Class EA, 'Public Information Centre slideshow', dated March 5 2020

Upon completion of our review we offer the following comments:

It appears the proposed location for the wells, reservoir, pumphouse, external diesel generator and the 600mm diameter watermain pipe proposed at the northeast corner of Klondike Park Road and Concession 12 Sunnidale Road do NOT have any concerns with respect to FLOOD or EROSION HAZARD (in addition this proposed site is NOT regulated). However, the watercourse crossings for the proposed watermain alignment are regulated and a permit will be required from the NVCA for works in this area.

ENGINEERING

1. Watercourse Crossings (6 in total):

Please consider the following at all watercourse crossings:

- mounting the watermain on the side or underside of the existing bridge deck

OR

- if tunnelling, ensure a minimal vertical separation of 2m is proposed between the obvert of the watermain and the invert of the watercourse

2. Erosion and Sediment Control:

In the future submission please submit full-scale erosion and sediment control (ESC) plan(s) for each individual watercourse crossing. Ensure the *Erosion and Sediment Control Guideline for Urban Construction*, December 2006 is referenced. Choose acceptable ESC measures and the applicable design details from this guideline.

ECOLOGY

3. The Natural Heritage (NH) Memo appears to adequately describe terrestrial conditions associated with the EA study area, and highlights several potential constraints related to habitat for Species at Risk (SAR), as well as direct observations of SAR. These constraints are likely minor in nature, and Endangered Species Act (ESA) compliance can presumably be demonstrated through an appropriate mitigation program, as is the conclusion of the NH Memo. However, the NH Memo does not outline this mitigation program; it references an 'EA Addendum Report' as the source for any mitigation-related information. Is a copy of an additional EA Addendum Report available? If not at this point in time, NVCA staff would recommend that NH-specific mitigation measures should be included in the Memo. Given that noted NH constraints are primarily related to SAR, we might suggest that the proponent undertake some level of MECP consultation, if they have not so already.
4. The Aquatic Habitat Conditions Memo also appears to adequately describe aquatic habitat conditions associated with the EA study area, including a breakdown of the thermal regimes and likely species assemblages associated with each watercourse crossing. The Aquatic Memo highlights the appropriate in-water timing windows, should such works be required. It further concludes that if in-water works are required, additional assessment should be undertaken to prepare submissions for authorizations under the *Fisheries Act*. All of this appears fine; however, the Aquatic Memo should also highlight appropriate mitigation measures for works in the vicinity of these watercourses, even if in-water works are not required, e.g. Erosion/Sediment Controls, Spill Response, construction staging instructions, etc. It is possible that these mitigation measures are outlined in a broader addendum report; regardless, any mitigation measures specifically related to fish habitat protection should also be appropriately contained in the Aquatic Memo.
5. In reviewing the PIC slideshow, it notes on the final slide that one of the 'next steps' is to "Finalize EA Addendum Report". NVCA staff would welcome the opportunity to review a report which comprehensively ties in all natural heritage and aquatic-related considerations, as well as the above-noted mitigation concerns.

We trust the foregoing comments are of assistance to you. Please feel free to contact the undersigned should you wish to discuss these comments further.

Sincerely,

Lee J. Bull, MCIP, RPP | Manager, Planning Services

Nottawasaga Valley Conservation Authority

8195 8th Line, Utopia, ON L0M 1T0

T 705-424-1479 ext. 231 | F 705-424-2115

lbull@nvca.on.ca | nvca.on.ca

I am currently working remotely as the Nottawasaga Valley Conservation Authority is taking preventative measures to limit the spread of COVID-19. You may experience some delays or disruptions as we follow recommendations of health professionals to slow the virus from spreading.

From: Jennifer Georgas [mailto:Jennifer.Georgas@rjburnside.com]
Sent: Wednesday, April 29, 2020 3:08 PM
To: Lee Bull <lbull@nvca.on.ca>
Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>
Subject: RE: Long Term Water Supply to Clearview, Community of Stayner - NVCA ID # 39007

Hi Lee,

Just following up on the correspondence below. Please confirm that the NVCA will not be providing any comments at this time.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Jennifer Georgas
Sent: Thursday, April 02, 2020 9:48 PM
To: Lee Bull <lbull@nvca.on.ca>
Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Sylvia Waters <Sylvia.Waters@rjburnside.com>; Mike Rawn (mrawn@clearview.ca) <mrawn@clearview.ca>
Subject: RE: Long Term Water Supply to Clearview, Community of Stayner - NVCA ID # 39007

Hi Lee,

The PIC took place on March 5, 2020, and the public comment period ended on March 27th. We are now in the process of incorporating comments received into the EA Addendum report for finalization and issuance for the 30-day public review period. As Mike notes in his emails below, we have been corresponding with Ryan Post since the project began, and working with him to address the requirements of the Source Water Protection checklist, as it relates to the EA process. Please find below a link to the following documents for your review. We note that as the Addendum report has not been finalized, these are still considered draft documents:

- Cultural and Heritage Report
- Archaeological Report
- PIC Slides
- Water Supply Exploration Study
- Groundwater Modelling Study
- Natural Heritage Technical Memorandum
- Preliminary Site Layout Figures
- Aquatic Habitat Technical Memorandum

https://rjburnside-my.sharepoint.com/:f:/p/jennifer_georgas/EpW2cQoFHWFFqw7B9-YaDHsBo1RGA_re1XQClvISG534Yg?e=3f7UaD

We respectfully request that any comments be provided within 14 working days.

Please let me know if you have any questions or issues accessing the files. Please note that the link will expire in 60 days.

Thanks,
Jennifer

From: Mike Rawn <mrawn@clearview.ca>
Sent: Thursday, April 02, 2020 9:06 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Lee Bull <lbull@nvca.on.ca>
Subject: FW: Long Term Water Supply to Clearview, Community of Stayner - NVCA ID # 39007

Hi Jennifer

Please read chain and send documents described.
Lee, there is a spelling mistake in your version of Jennifer's e-mail address.

Thanks,

Mike Rawn, C.E.T., CMM III
Director of Public Works
Township of Clearview

705-428-6230 ext.243
Cell 705-441-6935
www.clearview.ca

From: Mike Rawn
Sent: April 2, 2020 8:58 AM
To: Lee Bull <lbull@nvca.on.ca>; 'jennifer.georgas@rjburnside.com' <jennifer.georgas@rjburnside.com>
Cc: Morgen Wilson <mwilson@nvca.on.ca>; Ryan Post <rpost@nvca.on.ca>
Subject: RE: Long Term Water Supply to Clearview, Community of Stayner - NVCA ID # 39007

Hi Lee

These are certainly challenging times. I hope all is well in your world. Jennifer, please send all technical studies to Lee.

We have been working with Ryan Post. He was at our PIC. He may be able to fill in any blanks. After review please let us know if there is anything else required.

Thanks,

Mike Rawn, C.E.T., CMM III
Director of Public Works
Township of Clearview

705-428-6230 ext.243
Cell 705-441-6935
www.clearview.ca

From: Lee Bull <lbull@nvca.on.ca>

Sent: April 2, 2020 7:32 AM

To: Mike Rawn <mrawn@clearview.ca>; 'jennifer.georgas@rjburnisde.com' <jennifer.georgas@rjburnisde.com>

Cc: Morgen Wilson <mwilson@nvca.on.ca>

Subject: Long Term Water Supply to Clearview, Community of Stayner - NVCA ID # 39007

CAUTION: This email originated from outside of the Clearview email system. DO NOT open attachments or click links you were not specifically expecting, even from known senders.

Good morning Mike and Jennifer

I hope this email finds you and your respective families well.

I wanted to follow up with you on a "Notice of Public Information Centre" that NVCA staff received for the above noted EA. It notes that at the PIC, "the results of additional environmental and technical studies completed; the alternative solutions considered and a revised preferred solution for input by the public" would be presented at the PIC.

Would it be possible to get a copy of the environmental and technical studies referred to above for our review please? Is the slide deck from the Pic outlining the alternative solutions/preferred solution available as well?

Please let me know when you have a moment. If you could provide the materials through drop box or similar large file transfer site that would be extremely helpful as we have a limit on the size of email attachments.

Thank you in advance for your time on this matter.

Sincerely,

Lee J. Bull, MCIP, RPP | Manager, Planning Services

Nottawasaga Valley Conservation Authority

8195 8th Line, Utopia, ON L0M 1T0

T 705-424-1479 ext. 231 | F 705-424-2115

lbull@nvca.on.ca | nvca.on.ca

I am currently working remotely as the Nottawasaga Valley Conservation Authority is taking preventative measures to limit the spread of COVID-19. You may experience some delays or disruptions as we follow recommendations of health professionals to slow the virus from spreading.

This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender and destroy all copies of the original message.

Clearview Township Municipal staff continue to work to provide essential services. Please note, staff have alternating work locations to be proactive with social isolating/distancing to ensure a healthy workforce and set an example as a responsible employer in our community. If you hear a restless child because of school closures, a dog barking or other interruptions in life that will likely intrude- we apologize. We appreciate everyone's patience and understanding.

Sylvia Waters

From: Jennifer Vandermeer
Sent: Tuesday, January 19, 2021 8:42 PM
To: Sylvia Waters
Subject: FW: new municipal well, Clearview Township

For EA File

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Monday, November 30, 2020 11:39 AM
To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Cc: Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: new municipal well, Clearview Township

Hi Chunmei,

Thank you for your feedback. We have prepared responses to your questions below:

- 1) *When were the vulnerable area mapping predictions completed and available? (the Golder report is dated October 2020 but the EA is dated September 2020 and the public consultation occurred in March 2020)***

The vulnerable area mapping was finalized by Golder in October 2020. Whereas earlier predictions of Wellhead Protection Areas (capture zones) were presented to the public in March 2020, the model underwent further refinements in the fall of 2020 in response to: 1) *Assessment Report and Plan Amendments under s.34 of the Clean Water Act – Internal Process for Implementing Regulatory Requirements in the SGBLS Region* (July 2019), which was released by the Source Protection Authority after the initial modelling had been completed; and 2) discussions on the draft modelling results with the MECP and NVCA in August 2020.

- 2) *Did the proponent include source protection information in discussions with the public? (i.e. are people in the vicinity of the new wells aware that their properties will be within vulnerable areas / potentially subject to policies? If this analysis was done can they point to the section in the report? We see “capture zones” included in the PIC (page 450 of the pdf) but no discussion of how that would result in being a WHPA with policies in a SPP was apparent.***

Capture zones were presented at the PIC in March 2020. The proponent's consultants were careful to draw a distinction between initial capture zone predictions (March 2020), which would form the basis for future Wellhead Protection Areas, versus prospective final Wellhead Protection Areas (October 2020). The transition to “completed” Wellhead Protection Areas in October 2020 included additional model refinements and uncertainty analysis which were (again) predicated on: 1) *Assessment Report and Plan Amendments under s.34 of the Clean Water Act – Internal Process for Implementing Regulatory Requirements in the SGBLS Region* (July 2019), which was released by the Source Protection Authority after the initial modelling had been completed; and 2) discussions on the draft modelling results with the MECP and NVCA in August 2020.

- 3) *It doesn't seem clear to us that this final document incorporates this source protection information – if they had not discussed this with the public in March during the PIC but do have the information now it should be***

incorporated into the final document that is being circulated for public review so that the public is reasonably aware of the potential for policy implications (if any– if not then that should be made clear as well).

The EA document sent for review did not contain the conclusions from the October 2020 report as it was not yet available. However, conclusions from the October 2020 report, including those related to source protection policy implications, will be excerpted from the Golder report and included into the main EA document. All Golder reports will also be included as appendices if the public wishes to have a more detailed review of the information.

Golder's October 2020 report concludes, amongst other items, that:

- The Klondike Park Rd wellfield Aquifer Vulnerability Index (AVI) mapping indicates a Low vulnerability classification with Low uncertainty in the area of the Site.
- The level of uncertainty related to WHPA delineation and vulnerability scoring is considered Low.
- The Klondike Park Rd wellfield has no Drinking Water Issues identified.
- The Klondike Park Rd wellfield vulnerable areas (i.e. WHPAs) have no Significant Drinking Water Threats identified.

Thus, in the absence of Drinking Water Issues and Significant Drinking Water Threats in the newly defined vulnerable areas, and with the WHPA-A lying entirely within the proponent's Site boundary, we are not aware of any policy implications that would adversely effect current landowners in the context of the Class EA.

We trust this addresses your initial comments. Please let us know if you require anything further to complete your review.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Sent: Wednesday, November 25, 2020 3:24 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>
Subject: RE: new municipal well, Clearview Township

Hi Jennifer,

Some timing of the studies and information is unclear in the documentation. To help support our ongoing review, we are looking for clarification for the following questions:

- 1) When were the vulnerable area mapping predictions completed and available? (the Golder report is dated October 2020 but the EA is dated September 2020 and the public consultation occurred in March 2020)
- 2) Did the proponent include source protection information in discussions with the public? (i.e. are people in the vicinity of the new wells aware that their properties will be within vulnerable areas / potentially subject to policies? If this analysis was done can they point to the section in the report? We see "capture zones" included in the PIC (page 450 of the pdf) but no discussion of how that would result in being a WHPA with policies in a SPP was apparent.

- 3) It doesn't seem clear to us that this **final** document incorporates this source protection information – if they had not discussed this with the public in March during the PIC but do have the information now it should be incorporated into the final document that is being circulated for public review so that the public is reasonably aware of the potential for policy implications (if any– if not then that should be made clear as well).

If you have any questions regarding above, please let us know.

Thank you, Chunmei

Sylvia Waters

From: Jennifer Georgas
Sent: Tuesday, February 02, 2021 4:16 PM
To: Sylvia Waters
Subject: FW: draft EA review for Clearview, MCEA Sch B Revision, New Municipal Well in Stayner

From: Jennifer Georgas
Sent: Wednesday, January 27, 2021 10:58 AM
To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: draft EA review for Clearview, MCEA Sch B Revision, New Municipal Well in Stayner

Hi Chunmei,

Thank you for the comments. We are in the process of incorporating them into our documents for final submission in the coming months.

Jennifer

From: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Sent: Wednesday, December 09, 2020 5:00 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Mike Rawn <mrawn@clearview.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Ryan Post <rpost@nvca.on.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; Mike E. Wilson <m.wilson@lsrca.on.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>; Bulman, Vincent (MECP) <Vincent.Bulman@ontario.ca>; Broeckel, Sheri (MECP) <Sheri.Broeckel@ontario.ca>; Hood, Cindy (MECP) <cindy.hood@ontario.ca>
Subject: RE: draft EA review for Clearview, MCEA Sch B Revision, New Municipal Well in Stayner

Good afternoon Jennifer,

The ministry has completed the review of the draft EA documents for the above noted project. The following comments are provided for consideration:

Clean Water Act

General Overview of Source Protection Requirements

The Clean Water Act, 2006 (CWA) aims to protect existing and future sources of drinking water. To achieve this, several types of vulnerable areas are delineated around surface water intakes and wellheads for every municipal residential drinking water system that is located in a source protection area. These vulnerable areas are known as a Wellhead Protection Areas (WHPAs), and surface water Intake Protection Zones (IPZs). Other vulnerable areas that can be delineated under the CWA for municipal drinking water systems include Significant Groundwater Recharge Areas

(SGRAs) and Highly Vulnerable Aquifers (HVAAs). Vulnerable areas may be further subdivided, event-based modelling areas (EBAs) and Issues Contributing Areas (ICAs) may also be identified.

The source protection information atlas is publicly available and can be used to locate delineated vulnerable areas in Ontario.

<https://www.gisapplication.lrc.gov.on.ca/SourceWaterProtection/Index.html?site=SourceWaterProtection&viewer=SWPViewer&locale=en-US>

Projects that are subject to the Environmental Assessment Act that fall under a Class EA, or one of the Regulations, may have an impact on sources of drinking water if they occur in designated vulnerable areas or in the near other drinking water systems (i.e. systems that are not municipal residential systems), and source protection plan policies could apply. The local source protection authority can provide proponents with assistance in determining whether an activity associated with the construction or operation of the project may be considered a drinking water threat as per the CWA and will be able to help determine whether there are policies in the source protection plan that apply.

Projects that include new municipal residential drinking water systems or changes to existing systems will require the delineation of new, or amendments to existing, vulnerable areas. New, or changes to existing, vulnerable areas may affect existing landowners and/or future activities, including those proposed as part of the project or development. For example, source protection plan policies would apply to the new or amended areas and could prohibit, or require specific management measures, for activities already occurring on the lands, such as agricultural or industrial activities, or could affect the location of future development or infrastructure.

Additionally, in July 2018, Ontario Regulation 205/18 came into effect. This regulation requires the delineation and submission of vulnerable areas to the local Source Protection Authority for the purpose of initiating plan amendments, before applying for any Drinking Water Works Permits or Licenses. Any applications for Drinking Water Works Permits or Licenses must include a notice from the Authority to the municipality indicating that they have received the vulnerable area delineations and what amendments will be undertaken. The regulation also requires the approval of source protection plan amendments before any new or changed systems can provide drinking water to the public.

CSPB is aware that the proponent municipality and source protection authority have already been in contact about these requirements.

Specific Comments on the draft Addendum to Long Term Water Supply to Clearview, Schedule B Class EA

The location of the proposed project is in the Nottawasaga Valley Source Protection Area and therefore the **South Georgian Bay-Lake Simcoe Source Protection Plan** applies.

The proposed establishment of 3 new wells, an on-site pumphouse including backup generator, and several kilometers of connecting watermain is planned to occur in the area north east of the community of Stayner. There are no existing WHPAs or IPZs, however project work will occur within HVAAs and SGRAs (see Figure 1).

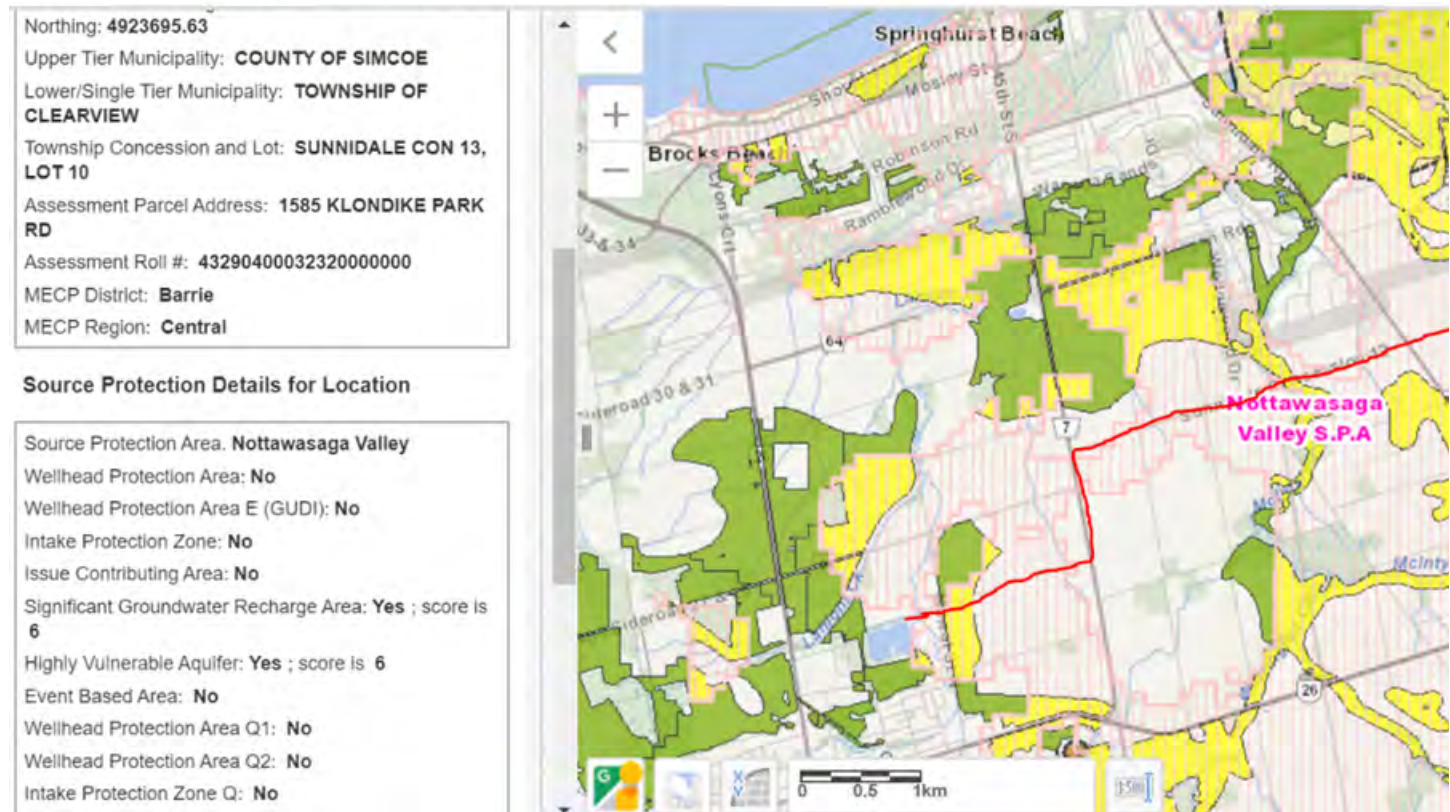


Figure 1: Map of project location including layers for HVA and SGRA.

The establishment of new municipal drinking water wells will mean that there will be new vulnerable areas delineated around these wells, and source protection plan policies may apply to existing and any future land uses or activities, including the storage of fuel to supply the backup generator.

CSPB is of the understanding that preliminary “capture zones” were identified and included in available documentation during early public consultation on the Class EA Addendum. More recently, the WHPAs have been further refined and delineated and further assessment was also completed to determine the potential for impact to local water resources (i.e. private well interference), preliminary threat assessment work and identification of where policies may apply. This information is made available in the “*Groundwater Modelling and Source Water Protection*” Report completed by Golder. The draft Addendum report however does not include a summary of this information.

Given the amendments to the MEA Class EA parent document in 2015, the proponent should ensure that the final Addendum report:

- identifies and discusses all existing designated vulnerable areas (including HVA and SGRAs)
- includes an assessment of local water resources and the potential effects from the proposed water takings from the new wells, including any potential effects on private wells
- identifies the draft WHPAs for the new wells, including vulnerability score information, and
- discusses the potential affect of policies from the South Georgian Bay Lake Simcoe Source Protection Plan when applied to the areas around the new wells, including impacts these could have on the use of land or activities that exist today or may occur in the future.

Ontario Water Resources Act

Prior to the submission of a long term Permit to Take Water for the proposed system, a pumping test with a well designed monitoring program should be completed at the long term rates proposed for a long term Permit to Take Water for the new system.

If you have any questions regarding these comments, please let us know.

Best regards,

Chunmei Liu | Regional EA and Planning Coordinator

Environmental Assessment Branch, Ontario Ministry of the Environment, Conservation and Parks Chunmei.Liu@ontario.ca |

Website: <http://www.ene.gov.on.ca/>

If you have any accommodation needs or require communication supports or alternate formats, please let me know.

Si vous avez des besoins en matière d'adaptation, ou si vous nécessitez des aides à la communication ou des médias substitués, veuillez me le faire savoir.

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Sent: November-02-20 3:12 PM

To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>

Cc: Mike Rawn <mrawn@clearview.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Ryan Post <rpost@nvca.on.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; Mike E. Wilson <m.wilson@lsrca.on.ca>; Baker, Kathryn (MECP) <Kathryn.Baker@ontario.ca>; Baker, Stacey (MECP) <Stacey.Baker@ontario.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>; Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>

Subject: RE: new municipal well, Clearview Township

CAUTION — EXTERNAL E-MAIL – Do not click links or open attachments unless you recognize the sender.

Hi Chunmei,

Please find at the link below the most current hydrogeology investigation and modelling reports for MECP review. Please advise if you have trouble accessing the files. Note that the link will expire on January 1, 2021.

 [201102 GOLDER REP TO MECP](#)

Thanks,

Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>

Sent: Wednesday, October 28, 2020 11:45 AM

To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Cc: Mike Rawn <mrawn@clearview.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>

Subject: RE: new municipal well, Clearview Township

Jennifer;

Thank you for letting us know about the status of the hydrogeology modelling report. I've notified the SPPB staff about the information and they'll wait until we receive your report.

For other comments, we're working on the review and will provide comments in November.

Best regards,

Chunmei Liu | Regional EA and Planning Coordinator

Environmental Assessment Branch, Ontario Ministry of the Environment, Conservation and Parks Chunmei.Liu@ontario.ca |

Website: <http://www.ene.gov.on.ca/>

If you have any accommodation needs or require communication supports or alternate formats, please let me know.

Si vous avez des besoins en matière d'adaptation, ou si vous nécessitez des aides à la communication ou des médias substitués, veuillez me le faire savoir.

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Sent: October-26-20 10:59 AM

To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>

Cc: Mike Rawn <mrawn@clearview.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>

Subject: RE: new municipal well, Clearview Township

CAUTION — EXTERNAL E-MAIL — Do not click links or open attachments unless you recognize the sender.

Hi Chunmei,

You are correct, the SPPB has not reviewed the documents as they were still in progress until very recently. Please hold off on requesting the SPPB staff to review anything until we send the most recently updated reports. We will do this as soon as possible.

To clarify our project timelines, can we expect the comments (not related to SPPB) 30 days from the original submission email (September 28), or 30 days from your most recent (October 23) email?

Thank you,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>

Sent: Monday, October 26, 2020 10:48 AM

To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Cc: Mike Rawn <mrawn@clearview.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>

Subject: RE: new municipal well, Clearview Township

Importance: High

Good morning Jennifer;

Further to my email last Friday, I've checked with our source protection branch staff and realized that SPPB staff haven't reviewed/comment any technical documents. Considering the nature of this project, it is recommended that all issues should be addressed during the draft EA stage. Therefore, SPPB review should be completed at the draft EA stage. I've circulated the draft EA for the SPPB review. SPPB indicated that they'll review this one as expediently as possible.

My apology for this delay. I'll keep you posted regarding our review progress.

Thank you, Chunmei

From: Liu, Chunmei (MECP)
Sent: October-23-20 4:40 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Mike Rawn <mrawn@clearview.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>
Subject: RE: new municipal well, Clearview Township

Hi Jennifer;

Thank you very much for checking on the status of this review. We're in the process of completing this draft EA report review and will provide comments soon. Since our source protection technical staff have involved in the EA process earlier, I assume that all source protection issues have been addressed through the EA process so that I haven't asked our source protection branch to review the draft report. If the review from SPPB still needs, I'll ask SPPB to review when the final EA report is available.

We're aiming to complete our review within 30 days. If one of our reviewers couldn't complete the review, I'll send out any available comments from our reviewers. I'll keep you posted regarding our progress.

Thank you, Chunmei

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: October-22-20 4:46 PM
To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>
Subject: RE: new municipal well, Clearview Township

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Hi Chunmei,

I hope you are well. Can you please advise if you will have comments, and if so, when we could expect them?

Thank you.

Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Jennifer Georgas
Sent: Monday, September 28, 2020 1:38 PM
To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA

<300044192staynerwaterea@rjburnside.com>; Mike Rawn (mrawn@clearview.ca) <mrawn@clearview.ca>

Subject: RE: new municipal well, Clearview Township

Hi Chunmei,

Please find at the link below the draft submission for review and comment. Please let me know if you need anything further or have issues accessing the link. Please note the link expires in 30 days.

https://rjburnside-my.sharepoint.com/:f:/p/jennifer_georgas/E1uebGap1pGo-X-0WuvFgBo62O6Cpk7mA1CRM9jNvS4g?e=pLb03v

Thanks,
Jennifer

From: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>

Sent: Friday, August 28, 2020 9:55 AM

To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>

Subject: RE: new municipal well, Clearview Township

Thank you for your response, Jennifer. That works for us.

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Sent: August-28-20 9:16 AM

To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>

Cc: Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>

Subject: RE: new municipal well, Clearview Township

CAUTION — EXTERNAL E-MAIL – Do not click links or open attachments unless you recognize the sender.

Hi Chunmei,

Thank you for your response. We will update our report to reflect the changes to the Part II Order process.

You have requested a draft copy of the final report. We have generally completed all portions of the study with the exception of the Source Water Protection/groundwater modelling aspects which, per some recently received comments from the SWP branch at the MECP, require some additional work and updates to the groundwater modelling reports. To expedite the review process, would you be open to receiving and reviewing our draft report, with the understanding that some of the groundwater modelling work is still underway, and will be reviewed by others at the MECP?

Please let me know. I'm happy to discuss further if you need additional details.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Sent: Wednesday, August 12, 2020 10:34 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>
Cc: Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Scanlon, Debbie (MECP) <Debbie.Scanlon@ontario.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>; Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; O'Leary, Emilee (MECP) <Emilee.OLeary@ontario.ca>
Subject: RE: new municipal well, Clearview Township

Good morning Jennifer and Mike;

Thank you very much for your response to my questions. Based on the information shared in your August 10, 2020 letter, the concerns raised in my July 22, 2020 email have been addressed.

As you know, Ontario is updating the almost 50-year-old environmental assessment (EA) program to support building safer and stronger communities. As part of our government's efforts to boost Ontario's economic recovery after COVID-19, we have passed the *COVID-19 Economic Recovery Act, 2020*, including amendments to the *Environmental Assessment Act*.

The changes to the *Environmental Assessment Act* will allow us to build a strong environmental assessment program that effectively considers the input of local communities and focuses on projects that have the highest impact to the environment. The Act will continue to consider "the protection, conservation and wise management in Ontario of the environment." A key change made to the Act was to limit Part II Order requests to potential adverse impacts of projects on constitutionally protected Aboriginal or treaty rights.

To assist the implementation of the change on Part II Order requests, the following information is provided for consideration so long as your project continues:

Notice of Filing Addendum

Please ensure that the Notice of Filing Addendum advises that outstanding concerns are to be directed to the proponent for a response, and that in the event there are outstanding concerns regarding potential adverse impacts to constitutionally protected Aboriginal and treaty rights, Part II Order requests on those matters should be addressed in writing to:

Minister Jeff Yurek
Ministry of Environment, Conservation and Parks
777 Bay Street, 5th Floor
Toronto ON M7A 2J3
minister.mecp@ontario.ca

and

Director, Environmental Assessment Branch
Ministry of Environment, Conservation and Parks
135 St. Clair Ave. W, 1st Floor
Toronto ON, M4V 1P5
EABDirector@ontario.ca

Please note the proponent cannot proceed with the project until at least 30 days after the end of the comment period provided for in the Notice of Filing Addendum.

Further, the proponent may not proceed after this time if:

- a Part II Order request has been submitted to the ministry regarding potential adverse impacts to constitutionally protected Aboriginal and treaty rights, or
- the Director has issued a Notice of Proposed order regarding the project.

The public has the ability to request a higher level of assessment on a project if they are concerned about potential adverse impacts to constitutionally protected Aboriginal and treaty rights. In addition, the Minister may issue an order on his or her own initiative within a specified time period. The Director will issue a Notice of Proposed Order to the proponent if the Minister is considering an order for the project within 30 days after the conclusion of the comment period on the Notice of Filing Addendum. At this time, the Director may request additional information from the proponent.

Once the requested information has been received, the Minister will have 30 days within which to make a decision or impose conditions on your project.

A draft copy of the addendum report should be sent directly to me prior to the filing of the final addendum report, allowing a minimum of 30 days for the ministry's technical reviewers to provide comments.

Please also ensure a copy of the final notice of filing addendum is sent to the ministry's Central Region EA notification email account (eanotification.cregion@ontario.ca) after the draft addendum report is finalized.

Should you or any members of your project team have any questions regarding the material above, please contact me directly.

Your truly,

Chunmei Liu | Environmental Planner | Environmental Assessment Coordinator
Environmental Assessment Branch, **Ontario Ministry of the Environment, Conservation and Parks**
437-249-3102 | Chunmei.Liu@ontario.ca | Website: <http://www.ene.gov.on.ca/>

If you have any accommodation needs or require communication supports or alternate formats, please let me know.

Si vous avez des besoins en matière d'adaptation, ou si vous nécessitez des aides à la communication ou des médias substitués, veuillez me le faire savoir.

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: August-10-20 11:51 AM
To: Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Cc: Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Scanlon, Debbie (MECP) <Debbie.Scanlon@ontario.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>; Jennifer Vandermeer <Jennifer.Vandermeer@rjburnside.com>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>
Subject: RE: new municipal well, Clearview Township

CAUTION — EXTERNAL E-MAIL – Do not click links or open attachments unless you recognize the sender.

Hi Chunmei,

In response to your email below and voicemail we provide a response in the attached letter.

We hope the attached addressed your questions, however please let me know if need any further information.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

Liu, Chunmei (MECP) <Chunmei.Liu@ontario.ca>
Sent: Wednesday, July 22, 2020 3:18 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Papageorgiou, Agni (MECP) <Agni.Papageorgiou@ontario.ca>; Scanlon, Debbie (MECP) <Debbie.Scanlon@ontario.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>
Subject: RE: new municipal well, Clearview Township

Good afternoon Jennifer,

My colleague forwarded the project information to my attention. I'm the one window contact for the streamlined EAs within the County of Simcoe and Cities of Barrie, Orillia and Toronto. Therefore, please add my contact information on your project list for all streamlined EA projects within those areas.

Further to my message on your cellphone, I would like to check with you about the status of the project mentioned in the email below. Based on the information provided on the Township of Clearview website (<https://www.clearview.ca/news-events-meetings/special-projects/municipal-class-ea-long-term-water-supply-clearview-stayner>), there was PIC held in March 2020.

I'm wondering if the notice of filling addendum is issued and the township has also consulted with indigenous communities for the addendum process in accordance with the "[Code of Practice for Consultation in Ontario's Environmental Assessment Process](#)".

Thank you,

Chunmei Liu | Environmental Planner | Environmental Assessment Coordinator

Environmental Assessment Branch, **Ontario Ministry of the Environment, Conservation and Parks**

5775 Yonge Street, 9th Floor, Toronto, ON M2M 4J1

437-249-3102 | Chunmei.Liu@ontario.ca | Website: <http://www.ene.gov.on.ca/>



August 10, 2020

Via: Email (chunmei.liu@ontario.ca)

Chunmei Liu
Environmental Planner
Ministry of the Environment, Conservation
and Parks
5775 Yonge Street, 9th Floor
Toronto ON M2M 4J1

Dear Chunmei:

**Re: Addendum to Long Term Water Supply for Clearview, Schedule B MCEA
New Well Supply in Stayner
Project No.: 300044192.0000**

This letter is in response to your email inquiry and voicemail to Jennifer Georgas on July 22, 2020.

Thank you for contacting us regarding the Stayner Water EA Addendum. We can confirm that you are now on the Project Contact List for this project, and all projects moving forward in the areas you mentioned in your email.

This EA is an Addendum to the 2008 EA entitled "Long Term Water Supply for Clearview, Schedule B Municipal Class EA February 2008." Due to the discovery of a groundwater source, the alternatives for the water servicing solution for Stayner has changed and thus an Addendum to the EA was required.

The discovery of this groundwater source was as a result of the work completed by Riley Mulligan, Ph.D., P.Geo, Quaternary Geoscientist from Earth Resources and Geoscience Mapping Section, Ontario Geological Survey, Mines and Minerals Division, Ministry of Energy, Northern Development related to aquifers and soil conditions in the area. The Seismic Reflection Survey completed lead to test drilling and subsequent improvements to the mapping in the area.

Mandatory notifications to inform persons potentially affected were published in the local newspaper(s); and mailed or emailed directly to all affected. In addition, a project website was maintained where the public can access notices and project information. The Notice of PIC include: proponent name, contact person, address, phone number, fax number, e-mail address; a brief description of the purpose of the Addendum and a study area map.

The Notice of PIC was posted (February 25, 2020) on the Township website, and in the local newspaper (Stayner Sun on February 27 and March 5, 2020). The notice was circulated by

email/mail to all persons on the original Project Contact List from the 2008 EA (updated where appropriate) and all existing landowners adjacent to the Well Site and the Watermain Route and all potentially interested Indigenous communities.

The Public Information Centre was held on March 5, 2020. The slides and notices can be found here: <https://www.clearview.ca/news-events-meetings/special-projects/municipal-class-ea-long-term-water-supply-clearview-stayner>.

The Addendum to Long Term Water Supply to Clearview MCEA, consultation process for Indigenous communities followed with the Code of Practice for Consultation in Ontario's Environmental Assessment Process. The initial step was the development of a Project Contact List including Indigenous communities potentially affected by or interested in the Township of Clearview, Long Term Water Supply MCEA.

On February 25, 2020 all Indigenous communities listed below were emailed the Notice of PIC for the Addendum to Long Term Water Supply to Clearview, Schedule B Class EA. The Notice was sent to all potentially interested Indigenous communities as follows Chippewas of Georgina Island, Beausoleil First Nation, Chippewas of Mnjikaning First Nation (Rama), Saugeen Ojibway Nation, Chippewas of Nawash First Nation, Nation Huronne-Wendat, Métis Nation of Ontario and Saugeen First Nation.

In response to the Notice of PIC the **Chippewas of Mnjikaning First Nation** (Rama), on March 2, 2020 responded that at this time, the community has no comments, and to please continue to contact them on any future projects.

On February 25, 2020 **Nation Huronne-Wendat** emailed Burnside thanking them for the Notice of PIC and requesting whether there will be any archaeological investigation as part of EA Addendum. Burnside emailed the community informing them that a Stage 1 Archaeological Assessment (AA) was completed by ASI for this Addendum, where a licensed archaeological visited to assess archaeological integrity; however, no intensive archaeological investigation was undertaken. Further investigation may be required if the final design for project shows construction activity entering into the areas of archaeological potential that ASI noted in the Stage 1 AA Report. Burnside also provided a copy of the Stage 1 AA Report. On February 25, 2020, the community emailed requesting that the Nation be updated if any further archaeological stages are initiated as part of the next project phases.

The **Saugeen First Nation** emailed an acknowledgement, in response to the Notice of PIC (March 2, 2020). On May 12, 2020 Burnside emailed the community again and requested level of interest and to provide any comments and/or concerns. Burnside informed Saugeen FN that the Township is finalizing the Long-Term Water Supply MCEA, reminded that on February 25, 2020 the Study Team circulated a Notice of PIC and received an acknowledgement on March 2, 2020. It was noted that the Township is preparing to issue the Revised Notice of Study Completion and would like to request further whether your community has any concerns/issues or wished to provide any comments. On May 12, 2020 Saugeen First Nation, noted by email the community currently has no issue with the MCEA Addendum.

Following the email of the Notice of PIC sent to **Chippewas of Georgina Island** on February 25, 2020, there was no response. On both April 1 and 14, 2020 Burnside left message for Natasha Charles in regard to the Project also with no response. On May 12, 2020 Burnside sent an email noting that the Township was finalizing the Long Term Water Supply

MCEA. The email noted that on February 25, 2020 the Study Team circulated the Notice of PIC and requested the communities' level of interest and to provide any comments and/or concerns. The May 12, 2020 email acknowledged that the offices may be closed due to COVID-19 pandemic and appreciate that the community may have limited staff. The email noted that the Township is preparing to issue the Revised Notice of Study Completion and would like to request further whether your community has any concerns/issues or wished to provide any comments. No response of comments was received.

On April 13, 2020, following the email of the Notice of PIC sent to **Beausoleil First Nation** the community was telephoned; however, the contact person was on holidays. A call was also made on April 14, 2020, which was put through to Crystal; however, no one picked up call. On May 12, 2020 Burnside emailed the community that the Township was finalizing the EA Addendum. The email noted that on February 25, 2020 the Study Team circulated the Notice of PIC and requested level of interest and to provide any comments and/or concerns. The May 12, 2020 email acknowledged that the offices may be closed due to COVID-19 pandemic and appreciate that the community may have limited staff. The email noted that the Township is preparing to issue the Revised Notice of Study Completion and would like to request further whether your community has any concerns/issues or wished to provide any comments. No response of comments was received.

Messages were left for Doran Ritchie at **Saugeen Ojibway Nation (SON)** on April 1, 2020 and April 14, 2020, asking whether email was received with Notice of PIC and if community had any comments/issues/concerns (both SON & **Chippewas of Nawash First Nation**). No response of comments was received.

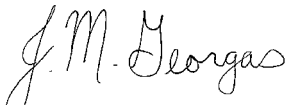
For the **Métis Nation of Ontario** on April 14, 2020 Burnside left message for Jesse Fieldwebster to confirm receipt of Notice of PIC and level of interest, with no response.

The Revised Notice of Study Completion for the Long Term Water Supply MCEA has not been filed as of yet. Per the hydrogeological engineers (Golder) recommendation, we have been waiting to file the Revised Notice of Study Completion until we have better clarity on the Source Water Protection aspects of the project to ensure there are no delays or issues that arise during the 30 day comment period for the EA Addendum. We are currently working with the MECP (Tea Pesheva) and the Source Water Protection branch of the NVCA (Ryan Post) to address any concerns and be in a position to move forward with the filing of the Addendum.

Please let us know if you need any further information.

Yours truly,

R.J. Burnside & Associates Limited



Jennifer Georgas, P.Eng.
Project Engineer
JMG:sj

Enclosure(s) None

cc: Mike Rawn, Township of Clearview, Via: Email (mrawn@clearview.ca)
Agni Papageorgiou, MECP, Via: Email (agni.papageorgiou@ontario.ca)
Debbie Scanlon, MECP, Via: Email (debbie.scanlon@ontario.ca)
Jennifer L. Moulton, MECP, Via: Email (jennifer.l.moulton@ontario.ca)
Jennifer Vandermeer, R.J. Burnside & Associates Limited, Via: Email
(Jennifer.Vandermeer@rjburnside.com)

Other than by the addressee, copying or distribution of this document, in whole or in part, is not permitted without the express written consent of R.J. Burnside & Associates Limited.

200810 Liu MECP.docx
10/08/2020 11:37 AM

Sylvia Waters

From: Jennifer Vandermeer
Sent: Wednesday, August 26, 2020 11:56 AM
To: Sylvia Waters
Cc: Jennifer Georgas
Subject: FW: new municipal well, Clearview Township

For EA Addendum Report

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Monday, August 10, 2020 11:59 AM
To: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>; Ryan Post <rpost@nvca.on.ca>
Cc: Baker, Kathryn (MECP) <Kathryn.Baker@ontario.ca>; Baker, Stacey (MECP) <Stacey.Baker@ontario.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Jacoub, George (MECP) <George.Jacoub@ontario.ca>
Subject: RE: new municipal well, Clearview Township

Hi Tea,

Thank you for MECPs feedback. Your recommendations regarding additional reporting are acknowledged.

We'd like to note that, prior to Golder's Klondike Site drilling and aquifer testing, Riley Mulligan, Ph.D., P.Geo, Quaternary Geoscientist from Earth Resources and Geoscience Mapping Section, Ontario Geological Survey, Mines and Minerals Division, Ministry of Energy, Northern Development completed a study of aquifers and soil conditions in the vicinity of the Site. Geologic Survey of Canada seismic profiling lead to the Golder test drilling. Geologic mapping was improved due to this work.

At this immediate time we seek further clarity on MECPs position regarding the Wasaga Beach vulnerable areas with the following [question](#):

Golder's memo dated April 27, 2020 states the following:

- *As a result of additional drilling and aquifer testing data, regional hydrogeologic parameters and the conceptual geological model were updated and an improved model calibration was achieved. However, these refinements also resulted in a change to the Wasaga Beach Powerline Road municipal well capture zones – independent of any pumping at the Klondike Road Site. It is unclear how such a finding may (or may not) be considered in the context of Amendment A.2.10.6 and the SGBLS checklists. Our current opinion is that Township of Clearview should not be responsible for updating the vulnerable area mapping / source protection plan for another municipality as a result of changes that occurred in the course of improving model accuracy; however, we are seeking the NVCA's confirmation on this.*

NVCA's follow-up response dated June 10, 2020 states the following:

- *Due to the OGS additional drilling and aquifer testing data, the regional hydrogeologic parameters and therefore the conceptual geological model were updated along with improved model calibration which resulted in the change to the Wasaga Beach Powerline WHPA delineation independent of pumping at the Klondike Road municipal wells. (No other changes to proximal WHPAs were denoted). The NVCA is of the position that the Municipality of Wasaga Beach would be responsible for updating the WHPAs as a result of modelling updates if they choose to complete the update and is not the responsibility of Clearview Township.*

MECPs email dated July 29, 2020 states:

- *"From a source protection perspective, the package provided travel time estimates for the new township wells and for the existing Wasaga Beach municipal wells. It is our understanding that final WHPA delineations, vulnerability scoring of the WHPAs, discussion of uncertainty and threat assessment will be provided for review during the*

formal update of the Nottawasaga Valley Assessment Report (NV AR) portion of the South Georgian Bay Lake Simcoe Source Protection Plan (SPP)."

Based on the above, is the MECP of the understanding, alongside Golder and NVCA, that future work under the Stayner Water Supply Class EA regarding "final WHPA delineations, vulnerability scoring of the WHPAs, discussion of uncertainty and threat assessment..." pertain solely to the proposed new Stayner water supply wells and not the Wasaga Beach water supply wells?

As our project timeline is getting compressed, we would much appreciate a resolution to this question by end of this week if possible. If necessary we are happy to have an online meeting this week.

Thank you,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>

Sent: Wednesday, July 29, 2020 4:09 PM

To: Ryan Post <rpost@nvca.on.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Cc: Baker, Kathryn (MECP) <Kathryn.Baker@ontario.ca>; Baker, Stacey (MECP) <Stacey.Baker@ontario.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Jacoub, George (MECP) <George.Jacoub@ontario.ca>

Subject: RE: new municipal well, Clearview Township

Good afternoon,

Thank you for the opportunity for the Source Protection Programs Branch (SPPB) to provide early feedback on the source protection aspects for the new Township of Clearview wells. SPPB technical staff have reviewed the document package (Clearview Township_Burnside and Associates Consultants Report.pdf) provided by Burnside on June 29, 2020, on behalf of the township and Nottawasaga Valley source protection authority (SPA).

SPPB comments from technical staff (Kathryn Baker and George Jacoub – CC'd):

From a source protection perspective, the package provided travel time estimates for the new township wells and for the existing Wasaga Beach municipal wells. It is our understanding that final WHPA delineations, vulnerability scoring of the WHPAs, discussion of uncertainty and threat assessment will be provided for review during the formal update of the Nottawasaga Valley Assessment Report (NV AR) portion of the South Georgian Bay Lake Simcoe Source Protection Plan (SPP).

The updated hydrogeological information has strongly influenced the model particle tracks that will form the basis for the WHPA delineation. The particle tracks for the existing Wasaga Beach wells differ greatly from the approved WHPAs (2004). A more robust discussion should be included that clearly indicates what new information was used to update the model, how the hydrogeological parameters have changed (a comparison table would be helpful), the influence on the model calibration and why there is more confidence in this modeling effort than the previous model.

Additionally, it was noted that on page 221 of the pdf package, the text refers to four wells for the Stayner system but on Figure 1 a different number of wells are shown. Please clarify.

For the future update to the AR portion of the SGBLS SPP, a plain-language explanation about why the WHPA delineations have changed so significantly would be beneficial to maintain clarity and public trust.

Again, thank you for your patience. If any questions arise, please feel free to contact me. Additionally, if you wish for us to set-up a follow-up meeting, I would be happy to coordinate.

Thank you,
Tea Pesheva
Liaison Officer
Source Protection Programs Branch
Ministry of the Environment, Conservation and Parks
40 St. Clair W, 14th Floor, ON, M4V 1M2
Mobile: 289-962-3912

From: Pesheva, Tea (MECP)
Sent: Tuesday, July 21, 2020 12:03 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Ryan Post <rpost@nvca.on.ca>
Subject: RE: new municipal well, Clearview Township

Good afternoon Jennifer,

Thank you for sending a follow-up to your request. Our technical staff are currently in the process of reviewing the documents, and working to finalize our comments as soon as possible.

We appreciate your patience.

Thank you,
Tea Pesheva
Liaison Officer
Source Protection Programs Branch
Ministry of the Environment, Conservation and Parks
40 St. Clair W, 14th Floor, ON, M4V 1M2
Mobile: 289-962-3912

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Monday, July 20, 2020 3:02 PM
To: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>; Ryan Post <rpost@nvca.on.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: new municipal well, Clearview Township

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Hi Tea,

Just checking in on if there is any more information regarding the next steps and/or a meeting date for this project?
Please advise.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>
Sent: Thursday, July 02, 2020 9:40 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Ryan Post <rpost@nvca.on.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: new municipal well, Clearview Township

Good morning Ryan and Jennifer,

Thank you for sending your request to meet and follow-up information package to discuss the Clearview Township proposed updates.

I apologize for the delay in my response, however, I would like to note that I have forwarded your request to the appropriate staff, and I will get back to you as soon as I have more information on next steps.

Thank you for your patience.

Tea Pesheva
Liaison Officer
Source Protection Programs Branch
Ministry of the Environment, Conservation and Parks
40 St. Clair W, 14th Floor, ON, M4V 1M2
Mobile: 289-962-3912

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Monday, June 29, 2020 5:16 PM
To: Ryan Post <rpost@nvca.on.ca>; Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: new municipal well, Clearview Township

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Hello Tea,

Please find an information package for your review prior to the meeting. Please let us know if we can provide any clarifications or additional information.

https://rjburnside-my.sharepoint.com/:f/p/jennifer_georgas/Egro3DhmZo9DgT0mGDOjTrcBnmxuEAstclmgwnhVhRfFJg?e=B0ksAJ

The link above will expire on August 28th, 2020. Let me know if you have any issues with access.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Ryan Post <rpost@nvca.on.ca>
Sent: Monday, June 22, 2020 2:30 PM
To: 'Tea.Pesheva@ontario.ca' <Tea.Pesheva@ontario.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson (B.Thompson@lsrca.on.ca) <B.Thompson@lsrca.on.ca>
Subject: new municipal well, Clearview Township

Tea;
I would like to bring to your attention that the Township of Clearview has submitted a Schedule B project for the Long Term Water Supply Municipal Class Environmental Assessment. The Class EA is to add an additional municipal well(s), located at 1585 Klondike Park Road, to the existing groundwater-based distribution system for Stayner in order to meet future population demands.

It is recognized that this project corresponds to the Class EA process for a potential new municipal well. Further, it is recognized that there are a few outstanding items regarding the modelling, e.g. uncertainty analysis, updated vulnerability scoring, threats assessment reporting, etc. that are required in order to update the Source Protection Plan.

In support of this work, a meeting with the MECP is requested. The objective of this meeting is to outline the technical work completed to date in case any flags are raised and in order to avoid costly redos should further revisions to the model construction or calibration be required by the MECP.

Can you please advise on a few dates and time that would work for your team. Further, the project consultant team will provide the MECP with an information package to review in advance to assist with the meeting.

Also, feel free to contact me if you have any questions.

Sincerely
Ryan post

Sylvia Waters

From: Jennifer Georgas
Sent: Friday, August 28, 2020 9:23 AM
To: Sylvia Waters
Subject: FW: new municipal well, Clearview Township

From: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>
Sent: Wednesday, July 29, 2020 4:09 PM
To: Ryan Post <rpost@nvca.on.ca>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Baker, Kathryn (MECP) <Kathryn.Baker@ontario.ca>; Baker, Stacey (MECP) <Stacey.Baker@ontario.ca>; Moulton, Jennifer L. (MECP) <Jennifer.L.Moulton@ontario.ca>; Hannan, Devin <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Jacoub, George (MECP) <George.Jacoub@ontario.ca>
Subject: RE: new municipal well, Clearview Township

Good afternoon,

Thank you for the opportunity for the Source Protection Programs Branch (SPPB) to provide early feedback on the source protection aspects for the new Township of Clearview wells. SPPB technical staff have reviewed the document package (Clearview Township_Burnside and Associates Consultants Report.pdf) provided by Burnside on June 29, 2020, on behalf of the township and Nottawasaga Valley source protection authority (SPA).

SPPB comments from technical staff (Kathryn Baker and George Jacoub – CC'd):

From a source protection perspective, the package provided travel time estimates for the new township wells and for the existing Wasaga Beach municipal wells. It is our understanding that final WHPA delineations, vulnerability scoring of the WHPAs, discussion of uncertainty and threat assessment will be provided for review during the formal update of the Nottawasaga Valley Assessment Report (NV AR) portion of the South Georgian Bay Lake Simcoe Source Protection Plan (SPP).

The updated hydrogeological information has strongly influenced the model particle tracks that will form the basis for the WHPA delineation. The particle tracks for the existing Wasaga Beach wells differ greatly from the approved WHPAs (2004). A more robust discussion should be included that clearly indicates what new information was used to update the model, how the hydrogeological parameters have changed (a comparison table would be helpful), the influence on the model calibration and why there is more confidence in this modeling effort than the previous model.

Additionally, it was noted that on page 221 of the pdf package, the text refers to four wells for the Stayner system but on Figure 1 a different number of wells are shown. Please clarify.

For the future update to the AR portion of the SGBLS SPP, a plain-language explanation about why the WHPA delineations have changed so significantly would be beneficial to maintain clarity and public trust.

Again, thank you for your patience. If any questions arise, please feel free to contact me. Additionally, if you wish for us to set-up a follow-up meeting, I would be happy to coordinate.

Thank you,
Tea Pesheva
Liaison Officer
Source Protection Programs Branch
Ministry of the Environment, Conservation and Parks
40 St. Clair W, 14th Floor, ON, M4V 1M2
Mobile: 289-962-3912

From: Pesheva, Tea (MECP)
Sent: Tuesday, July 21, 2020 12:03 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>; Ryan Post <rpost@nvca.on.ca>
Subject: RE: new municipal well, Clearview Township

Good afternoon Jennifer,

Thank you for sending a follow-up to your request. Our technical staff are currently in the process of reviewing the documents, and working to finalize our comments as soon as possible.

We appreciate your patience.

Thank you,
Tea Pesheva
Liaison Officer
Source Protection Programs Branch
Ministry of the Environment, Conservation and Parks
40 St. Clair W, 14th Floor, ON, M4V 1M2
Mobile: 289-962-3912

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Monday, July 20, 2020 3:02 PM
To: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>; Ryan Post <rpost@nvca.on.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: new municipal well, Clearview Township

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Tea,

Just checking in on if there is any more information regarding the next steps and/or a meeting date for this project?
Please advise.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

From: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>

Sent: Thursday, July 02, 2020 9:40 AM

To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Ryan Post <rpost@nvca.on.ca>

Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>

Subject: RE: new municipal well, Clearview Township

Good morning Ryan and Jennifer,

Thank you for sending your request to meet and follow-up information package to discuss the Clearview Township proposed updates.

I apologize for the delay in my response, however, I would like to note that I have forwarded your request to the appropriate staff, and I will get back to you as soon as I have more information on next steps.

Thank you for your patience.

Tea Pesheva

Liaison Officer

Source Protection Programs Branch

Ministry of the Environment, Conservation and Parks

40 St. Clair W, 14th Floor, ON, M4V 1M2

Mobile: 289-962-3912

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Sent: Monday, June 29, 2020 5:16 PM

To: Ryan Post <rpost@nvca.on.ca>; Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>

Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>

Subject: RE: new municipal well, Clearview Township

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Tea,

Please find an information package for your review prior to the meeting. Please let us know if we can provide any clarifications or additional information.

https://rjburnside-my.sharepoint.com/:f/p/jennifer_georgas/Eqro3DhmZo9DgT0mGDOjTrcBnmxuEASTclmgwnhVhRfJg?e=B0ksAJ

The link above will expire on August 28th, 2020. Let me know if you have any issues with access.

Thanks,
Jennifer

From: Ryan Post <rpost@nvca.on.ca>

Sent: Monday, June 22, 2020 2:30 PM

To: 'Tea.Pesheva@ontario.ca' <Tea.Pesheva@ontario.ca>

Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson (B.Thompson@lsrca.on.ca) <B.Thompson@lsrca.on.ca>

Subject: new municipal well, Clearview Township

Tea;

I would like to bring to your attention that the Township of Clearview has submitted a Schedule B project for the Long Term Water Supply Municipal Class Environmental Assessment. The Class EA is to add an additional municipal well(s), located at 1585 Klondike Park Road, to the existing groundwater-based distribution system for Stayner in order to meet future population demands.

It is recognized that this project corresponds to the Class EA process for a potential new municipal well. Further, it is recognized that there are a few outstanding items regarding the modelling, e.g. uncertainty analysis, updated vulnerability scoring, threats assessment reporting, etc. that are required in order to update the Source Protection Plan.

In support of this work, a meeting with the MECP is requested. The objective of this meeting is to outline the technical work completed to date in case any flags are raised and in order to avoid costly redos should further revisions to the model construction or calibration be required by the MECP.

Can you please advise on a few dates and time that would work for your team. Further, the project consultant team will provide the MECP with an information package to review in advance to assist with the meeting.

Also, feel free to contact me if you have any questions.

Sincerely
Ryan post

Sylvia Waters

From: Jennifer Georgas
Sent: Friday, August 28, 2020 9:22 AM
To: Sylvia Waters
Subject: FW: new municipal well, Clearview Township

From: Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>
Sent: Thursday, July 02, 2020 9:40 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; Ryan Post <rpost@nvca.on.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: new municipal well, Clearview Township

Good morning Ryan and Jennifer,

Thank you for sending your request to meet and follow-up information package to discuss the Clearview Township proposed updates.

I apologize for the delay in my response, however, I would like to note that I have forwarded your request to the appropriate staff, and I will get back to you as soon as I have more information on next steps.

Thank you for your patience.

Tea Pesheva
Liaison Officer
Source Protection Programs Branch
Ministry of the Environment, Conservation and Parks
40 St. Clair W, 14th Floor, ON, M4V 1M2
Mobile: 289-962-3912

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: Monday, June 29, 2020 5:16 PM
To: Ryan Post <rpost@nvca.on.ca>; Pesheva, Tea (MECP) <Tea.Pesheva@ontario.ca>
Cc: Hannan, Devin (Devin_Hannan@golder.com) <Devin_Hannan@golder.com>; Mike Rawn <mrawn@clearview.ca>; Bill Thompson <B.Thompson@lsrca.on.ca>; 300044192 Stayner Water EA <300044192staynerwaterea@rjburnside.com>
Subject: RE: new municipal well, Clearview Township

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hello Tea,

Please find an information package for your review prior to the meeting. Please let us know if we can provide any clarifications or additional information.

https://rjburnside-my.sharepoint.com/:f/p/jennifer_georgas/Eqro3DhmZo9DgT0mGDOjTrcBnmxuEAstclmgwnhVhRfJg?e=B0ksAJ

Sylvia Waters

From: Roree Payment <rpayment@clearview.ca>
Sent: Tuesday, February 25, 2020 9:51 AM
To: Sylvia Waters
Subject: Automatic reply: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Thank you for your email. I will be out of the office until March 2, please contact Deputy Forster if you require further assistance



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Sylvia Waters

From: Jennifer Georgas
Sent: Monday, August 24, 2020 4:49 PM
To: Hannah Toews
Subject: RE: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hi Hannah,

We will add you to the contact list and you will be notified when the report is filed.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 **Direct:** +1 705-797-4271

From: Hannah Toews <htoews@grnland.com>
Sent: Monday, August 24, 2020 4:38 PM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Subject: RE: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hi Jennifer,

Thank you for getting back to me!

That is good to know. Is there a way to sign up for email notifications when updates (i.e. report release) are available for this projects? If not, would I just keep an eye on the Township's website?

Regards,

Hannah Toews, EIT
Project Analyst
Tel: 705-444-8805 ext. 260



 Please consider the environment before printing this e-mail

From: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Sent: August 24, 2020 4:29 PM
To: Hannah Toews <htoews@grnland.com>
Subject: RE: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hi Hannah,

We are still in the process of resolving some questions/comments with the MECP and as such the report has not been filed/finalized as of yet. This should be happening in the next month or two.

Thanks,
Jennifer

Jennifer Georgas, P.Eng.
Project Engineer

R.J. Burnside & Associates Limited | rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4271

Hannah Toews <htoews@grnland.com>

Sent: Monday, August 24, 2020 12:02 PM

To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>

Subject: Addendum Report for Long-Term Water Supply to Clearview Schedule B Class EA

Hello Ms. Georgas,

I noticed a PIC for an addendum was held in March. At the end of the slides it says that an EA Addendum Report would be put out. I was wondering if this had already been completed and if so, where I could gain access to that report?

Regards,

Hannah Toews, EIT

Project Analyst

Tel: 705-444-8805 ext. 260



 Please consider the environment before printing this e-mail

Sylvia Waters

From: Jennifer Georgas
Sent: Wednesday, March 11, 2020 12:50 PM
To: Jennifer Vandermeer
Cc: Sylvia Waters; 300044192 Stayner Water EA
Subject: FW: Hydro One Response: Long Term Water Supply to Clearview
Attachments: 20200311-NoticeOfPIC1-Long Term Water Supply to Clearview.pdf

From: SecondaryLandUse@HydroOne.com <SecondaryLandUse@HydroOne.com>
Sent: Wednesday, March 11, 2020 10:56 AM
To: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>
Cc: Mike Rawn <mrawn@clearview.ca>
Subject: Hydro One Response: Long Term Water Supply to Clearview

Please see the attached for Hydro One's Response.

Hydro One Networks Inc
SecondaryLandUse@HydroOne.com

This email and any attached files are privileged and may contain confidential information intended only for the person or persons named above. Any other distribution, reproduction, copying, disclosure, or other dissemination is strictly prohibited. If you have received this email in error, please notify the sender immediately by reply email and delete the transmission received by you. This statement applies to the initial email as well as any and all copies (replies and/or forwards) of the initial email



Hydro One Networks Inc
483 Bay St
Toronto, ON

March 11, 2020

Re: Long Term Water Supply to Clearview

Attention:

Jennifer Georgas, P.Eng.
Consultant Project Manager
R.J. Burnside & Associates Limited

Following our preliminary assessment, we confirm there are no existing Hydro One Transmission assets in the subject area. Please be advised that this is only a preliminary assessment based on current information.

However, if plans for the undertaking change or the study area expands beyond that shown, please contact Hydro One to assess impacts of existing or future planned electricity infrastructure.

Any future communications are sent to Secondarylanduse@hydroone.com.

Sent on behalf of,

***Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.***

Sylvia Waters

From: Sylvia Waters
Sent: Wednesday, March 04, 2020 9:55 AM
To: Kevin Schimus
Cc: Jennifer Vandermeer; 300044192 Stayner Water EA
Subject: RE: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Hello Kevin,
Thank you. We will correct your email and for this Project contact Enbridge Gas.

From: Kevin Schimus <Kevin.Schimus@enbridge.com>
Sent: Tuesday, March 03, 2020 2:44 PM
To: Sylvia Waters <Sylvia.Waters@rjburnside.com>
Subject: FW: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Hi Sylvia,

Received this email from Amanda, there was a typo in my email address in your original message below which is why it bounced back.

This area is outside Legacy Union Gas service area, please contact Enbridge Gas

Regards,
Kevin

From: Amanda Zocco
Sent: March 3, 2020 1:11 PM
To: Kevin Schimus
Subject: FW: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

From: Sylvia Waters <Sylvia.Waters@rjburnside.com>
Sent: Tuesday, March 3, 2020 1:09 PM
To: Amanda Zocco <Amanda.Zocco@enbridge.com>
Subject: [External] FW: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hello Amanda,
I recently sent this notice to both yourself and Kevin Schimus. I received a bounce back from Kevin, is he no longer with the agency and will you be covering this project?

Sylvia Waters
Technical Administrator, EPA

R.J. Burnside & Associates Limited | www.rjburnside.com
Office: +1 800-265-9662 Direct: +1 705-797-4379

Sylvia Waters

From: Sylvia Waters
Sent: Tuesday, March 03, 2020 1:09 PM
To: azocco@uniongas.com
Subject: FW: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner
Attachments: 044192_StaynerWaterEA-Addendum-NoPIC.pdf

Hello Amanda,

I recently sent this notice to both yourself and Kevin Schimus. I received a bounce back from Kevin, is he no longer with the agency and will you be covering this project?

From: Sylvia Waters
Sent: Tuesday, February 25, 2020 9:51 AM
To: rob.dobos@canada.ca; FisheriesProtection@dfo-mpo.gc.ca; chunmei.liu@ontario.ca; aly.alibhai@ontario.ca; mirrun.zaveri@ontario.ca; rpost@nvca.on.ca; admin@nvca.on.ca; lbull@nvca.on.ca; arthur.churchyard@ontario.ca; Karla Barboza (karla.barboza@ontario.ca) <karla.barboza@ontario.ca>; ken.mott@ontario.ca; kim.benner@ontario.ca; jason.white@ontario.ca; vince.cina@enbridge.com; ann.newman@enbridge.com; azocco@uniongas.com; rpayment@clearview.ca; suzanne.kettle@ontario.ca; est.reg.crossing@enbridge.com; mark-ups@enbridge.com; kschimus@uniongas.com; SecondaryLandUse@HydroOne.com; kenneth.aarup@hydroone.com; carol.obrien@bell.ca; scott.moon@bell.ca; simcoecirculations@rci.rogers.com; tony.dominquez@rci.rogers.com; eburrell@epcor.com; jwilson@epcor.com; cao@wasagabeach.com; cao@collingwood.ca; chealey@essatownship.on.ca
Cc: Jennifer Georgas <Jennifer.Georgas@rjburnside.com>; mrawn@clearview.ca
Subject: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

On behalf of the Township of Clearview, please see the attached Notice of Public Information Centre for an Addendum to the Municipal Class Environmental Assessment (EA) for the Long-Term Water Supply for Clearview (Schedule B). Please note that you or your agency may be receiving this Notice as you were either circulated on or were involved in the 2008 Long Term Water Supply for Clearview, Schedule B Municipal Class EA and your agency may have an interest in this Addendum.

DATE: Thursday March 5, 2020
TIME: 4:00 p.m.– 7:00 p.m.
LOCATION: Township of Clearview Municipal Office
217 Gideon Street, Stayner ON

Please Note: Only changes identified in the Addendum will be subject to public review under the Class EA.

Sylvia Waters

From: Microsoft Outlook
To: kschimus@uniongas.comp
Sent: Tuesday, February 25, 2020 9:51 AM
Subject: Undeliverable: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner

Delivery has failed to these recipients or groups:

kschimus@uniongas.comp (kschimus@uniongas.comp)

Your message couldn't be delivered. The Domain Name System (DNS) reported that the recipient's domain does not exist.

Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin that it appears that their domain isn't properly registered at their domain registrar. Give them the error details shown below. It's likely that the recipient's email admin is the only one who can fix this problem.

For more information and tips to fix this issue see this article:
<https://go.microsoft.com/fwlink/?LinkId=389361>.

Diagnostic information for administrators:

Generating server: YTOPR0101MB1433.CANPRD01.PROD.OUTLOOK.COM

kschimus@uniongas.comp

Remote Server returned '550 5.4.310 DNS domain uniongas.comp does not exist [Message=InfoDomainNonexistent] [LastAttemptedServerName=uniongas.comp] [TO1CAN01FT007.eop-CAN01.prod.protection.outlook.com]'

Original message headers:

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=rjburnside.onmicrosoft.com; s=selector2-rjburnside-onmicrosoft-com;
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;
bh=uJVcq2FmKp1X9/Ps+13S0xWjy/uinYGWJUyTh5qx1v0=;

b=TT0bxu+50EWkrVqibb8b8b0o3fmErju/XwSg1KqGuMzm8KthPBmB/4psZs1F/Sz4/1weXZ9xley8cj11Rrlwsix
bCGGttvgJRfi7bik8v1mwPnRK6ed/0uygcPf7YI9Aoi3/x8FHzsG8F8/1lGJKp6Aa93TX1JrijSlx58aNjY=
Received: from YTOPR0101CA0045.CANPRD01.PROD.OUTLOOK.COM
(2603:10b6:b00:14::22) by YTOPR0101MB1433.CANPRD01.PROD.OUTLOOK.COM
(2603:10b6:b00:1e::25) with Microsoft SMTP Server (version=TLS1_2,
cipher=TLS_ECDHE_RSA_WITH_AES_256_GCM_SHA384) id 15.20.2750.21; Tue, 25 Feb
2020 14:50:59 +0000
Received: from TO1CAN01FT006.eop-CAN01.prod.protection.outlook.com

Sylvia Waters

From: Microsoft Outlook
To: suzanne.kettle@ontario.ca
Sent: Tuesday, February 25, 2020 9:51 AM
Subject: Undeliverable: 044192-Agency-Notice of Public Information Centre - Addendum to MCEA Long Term Water Supply to Clearview, Community of Stayner



Your message to suzanne.kettle@ontario.ca couldn't be delivered.

[suzanne.kettle](mailto:suzanne.kettle@ontario.ca) wasn't found at ontario.ca.

Sylvia.Waters

Office 365

suzanne.kettle

Action Required

Recipient

Unknown To address

How to Fix It

The address might be misspelled or might not exist. Try one or more of the following:

- **Retype the recipient's address, then resend the message** - If you're using Outlook, open this non-delivery report message and click **Send Again** from the menu or ribbon. In Outlook on the web, select this message, and then click the "**To send this message again, click here.**" link located just above the message preview window. In the To or Cc line, delete and then retype the entire recipient's address (ignore any address suggestions). After typing the complete address, click **Send** to resend the message. If you're using an email program other than Outlook or Outlook on the web, follow its standard way for resending a message. Just be sure to delete and retype the recipient's entire address before resending it.
- **Remove the recipient from the recipient Auto-Complete List, then resend the message** - If you're using Outlook or Outlook on the web, follow the steps in the "Remove the recipient from the recipient Auto-Complete List" section of [this article](#). Then resend the message. Be sure to delete and retype the recipient's entire address before clicking **Send**.
- **Contact the recipient by some other means**, (by phone, for example) to confirm you're using the right address. Ask them if

