

Ellen Ferris

Subject: RE: Teedon Pit Extension

From: Brian Zeman <bzeman@mhbcplan.com>

Sent: September 3, 2019 5:16 PM

To: Herbst, Robert (MNRF) <robert.herbst@ontario.ca>; Benner, Kim (MNRF) <kim.benner@ontario.ca>

Cc: Ellen Ferris <eferris@mhbcplan.com>; Mitchell, Kevin (CRH Canada Group Inc.) <kevin.mitchell@ca.crh.com>; Ferri, Jessica (CRH Canada Group Inc.) <jessica.ferri@ca.crh.com>; anthony.goodban@sympatico.ca

Subject: RE: Teedon Pit Extension

Good afternoon Kim and Robert

Further to my email below. Attached please find GEC's memo regarding the Eastern Whip-poor-will surveys.

As noted below the only other item that MNRF identified was the combined tonnage and concern related to different companies. As MNRF is aware CRH is in the process of completing the name change for the Teedon Pit Extension. As a result, both the Teedon Pit Extension and the Teedon Pit will be under common ownership.

Can MNRF please confirm this addresses the issue and MNRF withdraws its objection to the ARA application.

Regards,

BRIAN ZEMAN, BES, MCIP, RPP | President

MHBC Planning, Urban Design & Landscape Architecture

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From: Brian Zeman

Sent: August-01-19 11:07 AM

To: Herbst, Robert (MNRF) <robert.herbst@ontario.ca>

Cc: Benner, Kim (MNRF) <kim.benner@ontario.ca>; Ellen Ferris <eferris@mhbcplan.com>; Mitchell, Kevin (CRH Canada Group Inc.) <kevin.mitchell@ca.crh.com>; Ferri, Jessica (CRH Canada Group Inc.) <jessica.ferri@ca.crh.com>; anthony.goodban@sympatico.ca

Subject: Teedon Pit Extension

Good morning Robert

Further to CRH's letter of July 15, 2019 Goodban Ecological Consulting Inc. has completed the survey for Eastern Whip-poor-will and the survey results were negative. A letter will be provided to MNRF shortly.

The only other item that MNRF identified was the combined tonnage and concern related to different companies. As MNRF is aware CRH is in the process of completing the name change for the Teedon Pit Extension. As a result, both the Teedon Pit Extension and the Teedon Pit will be under common ownership. Can MNRF please confirm this addresses the issue.

Regarding the name change process can MNRF please commence work to post the name change application on the ERO. CRH would appreciate the posting commencing August 15th so the 45 day commenting periods correspond.

CRH plans on providing the formal 20 day ARA objector response to the outstanding ARA objectors at the beginning of October. Assuming MNRF is satisfied with the Eastern Whip-poor-will survey and the name change has addressed the combined tonnage issue, would MNRF be in a position to formally withdraw its objection prior to CRH needing to send a formal 20 day ARA objector response to MNRF.

If you have any questions or require any additional information for the ERO posting please let us know.

Regards,

BRIAN ZEMAN, BES, MCIP, RPP | President

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MEMORANDUM

**To: Brian Zeman, MHBC Planning
Kevin Mitchell and Jessica Ferri, CRH Canada Group Inc.**

From: Anthony Goodban, Goodban Ecological Consulting Inc. (GEC)

Date: August 29, 2019

**Re: Teedon Pit Extension
2018 and 2019 Surveys for Eastern Whip-poor-will**

Introduction

On March 25, 2019, the Midhurst District Office of the Ministry of Natural Resources and Forestry (MNR) provided comments on the Teedon Pit Extension application in a letter to Ms. Jessica Ferri (Manager, Policy and Planning, CRH Canada Group Inc.). MNR provided the following comments with respect to the Natural Environment Technical Report prepared by Goodban Ecological Consulting Inc. (GEC):

The proposed licence area appears to have strong suitability as potential habitat for the Eastern Whip-poor-will, a threatened species listed on the Species at Risk in Ontario (SARO) List. The roadside Whip-poor-will survey conducted on July 4, 2018 covered a broad area but there were no point counts conducted directly within the proposed licence boundary. To best assess the presence of Whip-poor-will during the breeding season, two surveys preferably within different lunar cycles are recommended.

Additionally, Whip-poor-will vocalizations are most common in the early part of the breeding season and have been shown to decrease in July. As a result, MNR requests that an additional whip-poor-will survey be completed that would include the area within the licence boundary and would incorporate two different lunar cycles between the period from late May to early July.

We note that the Forked Three-awned Grass, an endangered species listed on the SARO list, was found on the subject property. Your company has registered for this species under Section 23.14 of Ontario Regulation 242/08 of the Endangered Species Act. We have no further comment on this matter.

GEC completed the 2019 Eastern Whip-poor-will surveys as recommended by MNR in their March 25, 2019 letter. This memorandum briefly describes the Eastern Whip-poor-will survey methods employed and presents the findings of the 2019 surveys.

2018 Eastern Whip-poor-will Survey

An Eastern Whip-poor-will nocturnal survey was completed on July 4-5, 2018. That night the moon was 68.9% illuminated. The survey extended from 2350 to 0230 hours. The weather was clear, wind was 1 on the Beaufort wind scale and temperature 25 to 24°C. Twenty-three (23) listening stops (3 minutes each) were made at the locations shown on **Figure 1**. The results of the 2018 survey was negative; no Eastern Whip-poor-wills were detected.

2019 Eastern Whip-poor-will Surveys

Nocturnal Surveys (Point Counts)

The Eastern Whip-poor-will survey windows for 2019 are presented in **Table 1**. The primary survey window is the 7 days leading up to a full moon, although the 7 days after the full moon may also be surveyed. Surveys were completed on June 11 and July 12. The surveys commenced at least 30 minutes after sunset.

Five stations were surveyed (Stations A to E) in 2019. Survey station locations are shown on **Figure 1**. Station A is located in the middle of the proposed Teedon Pit Extension extraction area. For each survey, a 15 minute point count was completed at Station A and 5 minute point counts were completed for Stations B to E.

Table 1: Eastern Whip-poor-will Survey Schedule - Southern Ontario 2019				
Window	Full Moon	Primary Survey Window	Secondary Survey Window	Teedon Pit Ext. Survey Date
<ul style="list-style-type: none"> • Early Window (during migration period) 	18 May	11 May - 18 May	19 May - 26 May	
<ul style="list-style-type: none"> • Mid-season Window (Breeding Season) • Optimal Timing 	17 June	10 June - 17 June	18 June - 25 June	June 11
<ul style="list-style-type: none"> • Late Window (Breeding Season) 	19 July	9 July - 16 July		July 12
Source for survey windows: http://www.couchichingconserv.ca/general-info/volunteer/whip-poor-will-survey-window-2019/				

On June 11, 2019, sunset was at 2102. The survey commenced at 2135. Winds were very light (0 to 1 on the Beaufort Wind Scale) and the sky was clear with very few clouds. Air temperature was 13°C at 2100. That night the moon was 70.0% illuminated. The survey was completed around 2240. No Eastern Whip-poor-wills were detected during the June 11 nocturnal survey.

On July 12, 2019, sunset was at 2102. The survey commenced at 2140. Winds were very light (0 to 1 on the Beaufort Wind Scale) and the sky was clear with very few clouds. Air temperature was 16°C at 2100. That night the moon was 85.7% illuminated. The survey was completed around 2245. No Eastern Whip-poor-wills were detected during the July 12 nocturnal survey.

Song Meter SM4 Recordings

To augment the 2019 Eastern Whip-poor-will nocturnal surveys, a Song Meter SM4 recorder was deployed at Station A on June 11, near the middle of the proposed Teedon Pit Extension extraction area (see **Figure 1**). The SM4 unit was programmed to record for 10 minute intervals starting 30 minutes, 90 minutes and 150 minutes after sunset. The SM4 unit was retrieved on the evening of the July 12 nocturnal survey.

Recordings from June 11 to 25 and July 9 to 11 were analyzed. No recordings of Eastern Whip-poor-will recordings were made. The SM4 unit recorded crickets, songbirds, Coyotes howling in the distance, small aircraft and vehicles on Darby Road and Highway 93, so it would certainly have picked up the loud song of the Eastern Whip-poor-will if any were present during the survey periods.

Conclusion

MNRF requested that an additional Eastern Whip-poor-will survey be completed in 2019 that would include the area within the proposed Teedon Pit Extension licence boundary and incorporate two different lunar cycles between the period from late May to early July.

GEC completed nocturnal surveys for Eastern Whip-poor-will on June 11, within the optimal breeding season survey window, and July 12, within the late breeding season survey window. The two surveys were completed during two separate lunar cycles. Point Count Station A was located in the middle of the proposed Teedon Pit Extension extraction area. A Song Meter SM4 recorder was also deployed at Station A from June 11 to July 12, to augment the nocturnal surveys.

In 2018 and 2019, no Eastern Whip-poor-will were detected during targeted surveys. It is concluded that the Teedon Pit Extension and adjacent land is not habitat for this species.

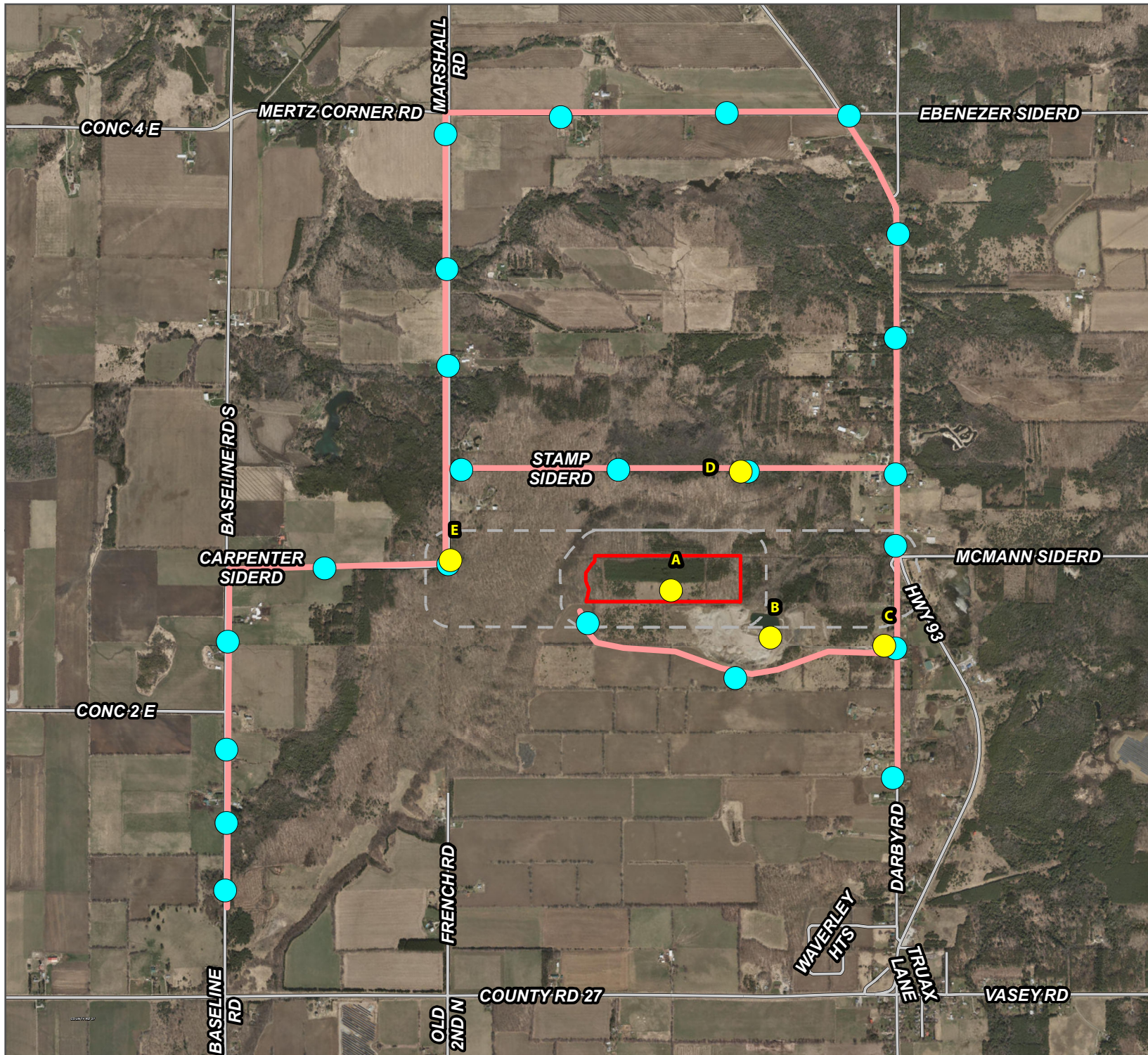


FIGURE 1

EASTERN WHIP-POOR-WILL SURVEY STATIONS (2018 & 2019)

Natural Environment Report
 TEEDON PIT EXTENSION
 2 Darby Road,
 Part of Lot 80, Concession 1 W.P.R. &
 Part of original road allowance between
 lots 80 & 81, Concession 1, W.P.R.
 Geographic Township of Tiny
 County of Simcoe

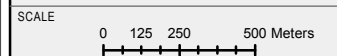
Legend

- Licensed Boundary
- 120m Buffer from Licensed Boundary
- 2018 Whip-poor-will Point Count Stations
- 2019 Whip-poor-will Point Count Stations
- 2018 Whip-poor-will Survey Route



DATE AUGUST 2019

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 Teedon Pit
 Expansion\Drawings\A\Goodban - NE
 Report

