Slide Name: (GP 23) Hwy 43:08 Washahigan River – NBL (Climbing Lane)

Inspection Date: June 19, 2006

Inspection by: Alberta Infrastructure & Transportation and KarlEng Staff listed on Page 1

1.0 BACKGROUND

The slide was repaired (December 2004) with subexcavation of a "snake pit" of buried organics along footprint of slide and granular (pit-run) fill was used for slope reconstruction. This NBL (Climbing Lane) was constructed as sliver fill adjacent to previous embankment in early 1990's when the highway was operated as a 2 lane undivided roadway.

2.0 OBSERVATIONS

- The gravel slope face can desirably be topsoiled
  - AMEC project manager confirmed (subsequent to the June 2006 Inspection) that a high intensity of seeding was applied and slope revegetation may take longer to establish.
- Some wet weeping at top of granular (pit-run) fill was noted just below pavement GBC level. It may be possible that this wet weeping may to due to recent rainfall; however, if the wetness phenomenon persists in future, it should investigated since "free draining" granular fill was used for slope reconstruction.
- Drainage outlet of perforated drainage tile pipe was not obvious and discernible.
  - AMEC project manager confirmed (subsequent to the June 2006 Inspection) that drainage tile was installed and that a 4"x4" wooden post will be installed at tile outlet location.
- In general, repair of the slide and slope reconstruction was reviewed as satisfactory.

3.0 RISK ASSESSMENT

The following assessment is updated, as appropriate, from previous AIT reports.

PF (2) * CF (2) = 4

Note:

- The risk assessment is provided based on a categorization of Hazard Probability Factor (PF) and Consequence Factor (CF) as provided by AIT's RFP 2000. The details are provided in Table II at front portion of this Report.

4.0 ACTION

Repair of the slide and slope reconstruction was reviewed as successful. Further inspection assessment of this site should not be required in the future. This site will be classified as inactive.

END

KARLENG

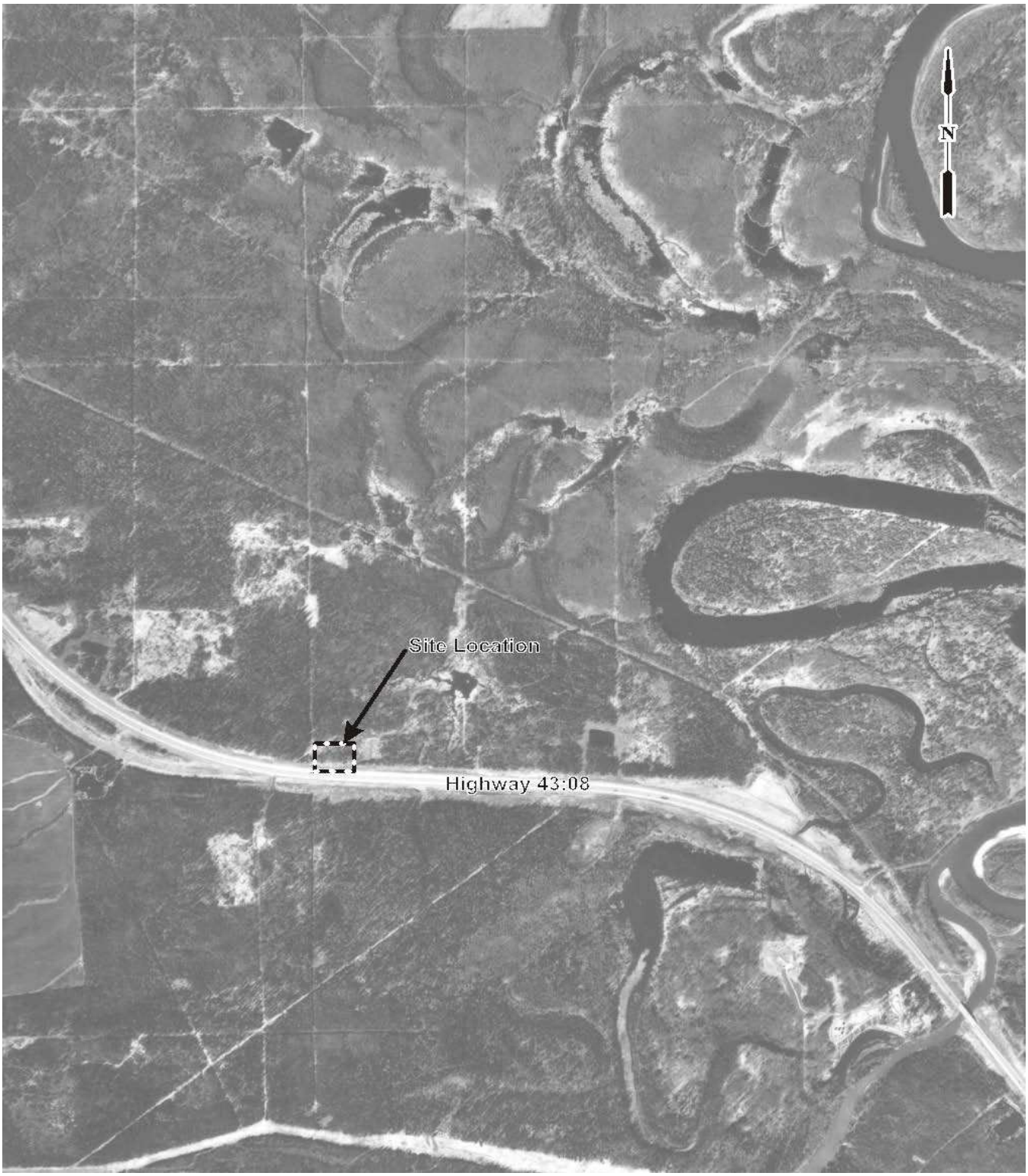


Figure 1

N.T.S. Site Location Plan - Highway 43:08 Waskahigan River

Photo 1

Looking east downgrade towards Waskahigan River bridge (at far end of photo)

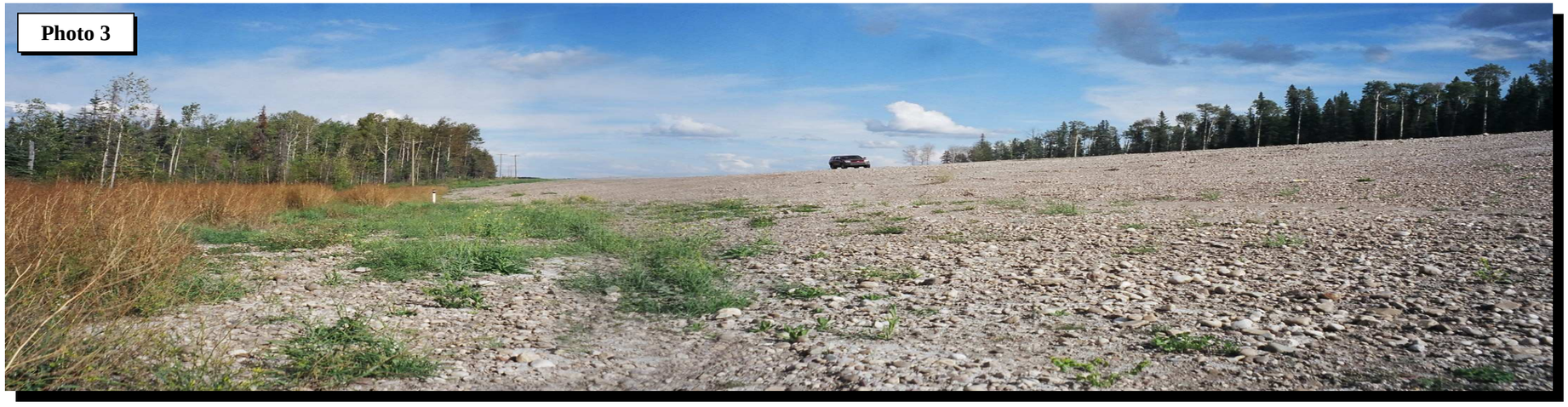
- Patched area indicates previous slide location of affected pavement
- Previous slide area extended east 60-80m from culvert location (i.e. patched area)
- Slope reconstructed with granular fill
- A buried utility line located along toe of slope
- A new smooth wall steel pipe culvert installed (at left of photo) by push pipe drilling

Photo 2

Close up of previous slide area

- Minor settlement crack of new granular fill of slope reconstruction

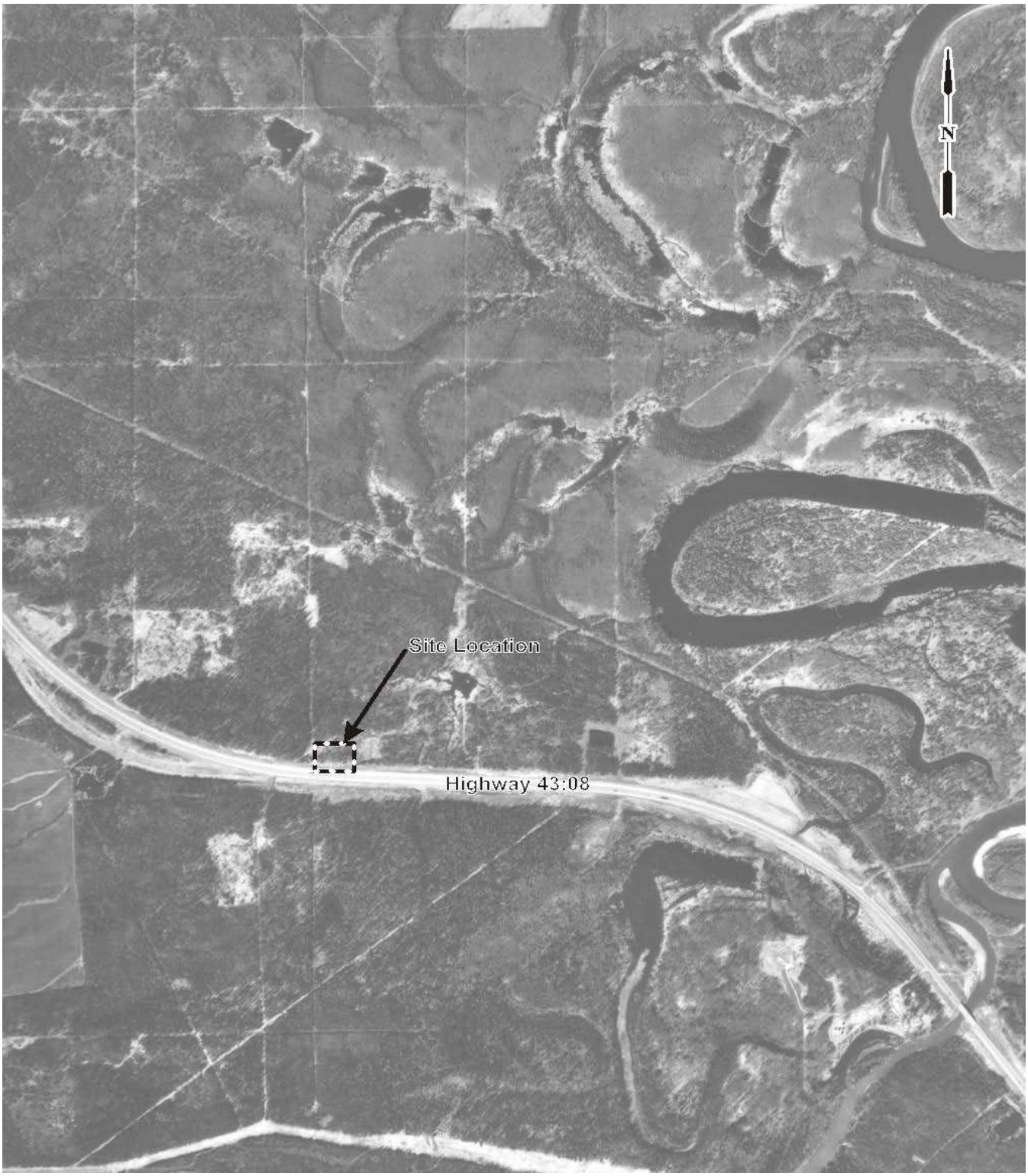
Photo 3



Looking east along toe of reconstructed slope

Photo 4

New smooth wall steel culvert at west edge of slide area



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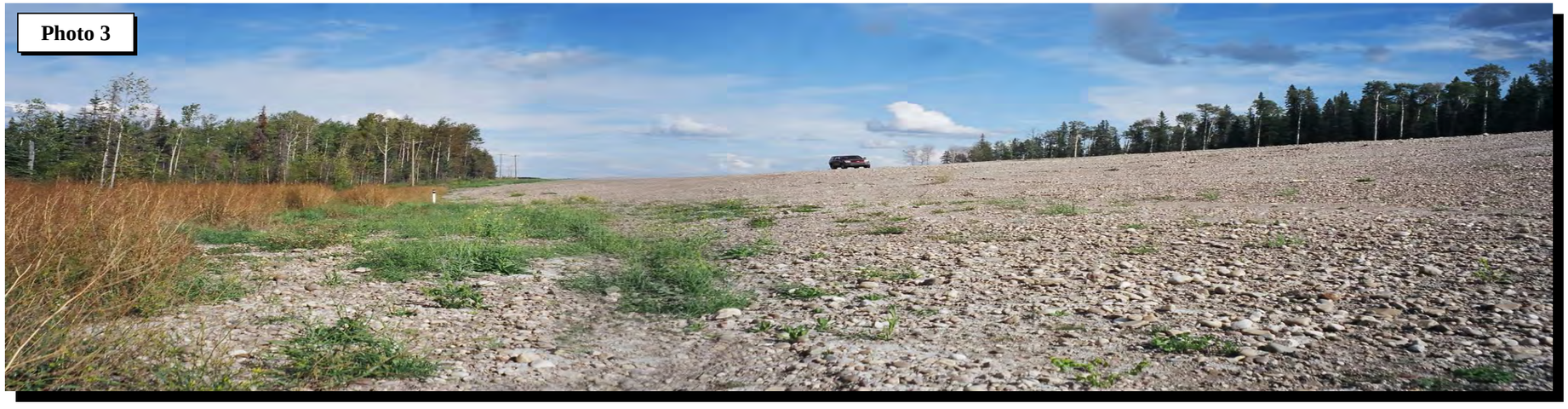

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