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Date: October 24, 2017



Memorandum

Project #: MBTA PTC Project

Re: 70 Letchworth Avenue Easement

Location: Billerica Waste Water Facility located at 70 Letchworth Avenue.






Background: As part of the MBTA Positive Train Control (PTC) project on the New Hampshire Main Line (NHML), all existing signal locations are receiving new PTC bungalows/cases that may require new power feeds or upgrades. In the town of Billerica there is one such location; for this memo, the signals of concern at Letchworth Ave. are the existing 22.4/22.5 signals.

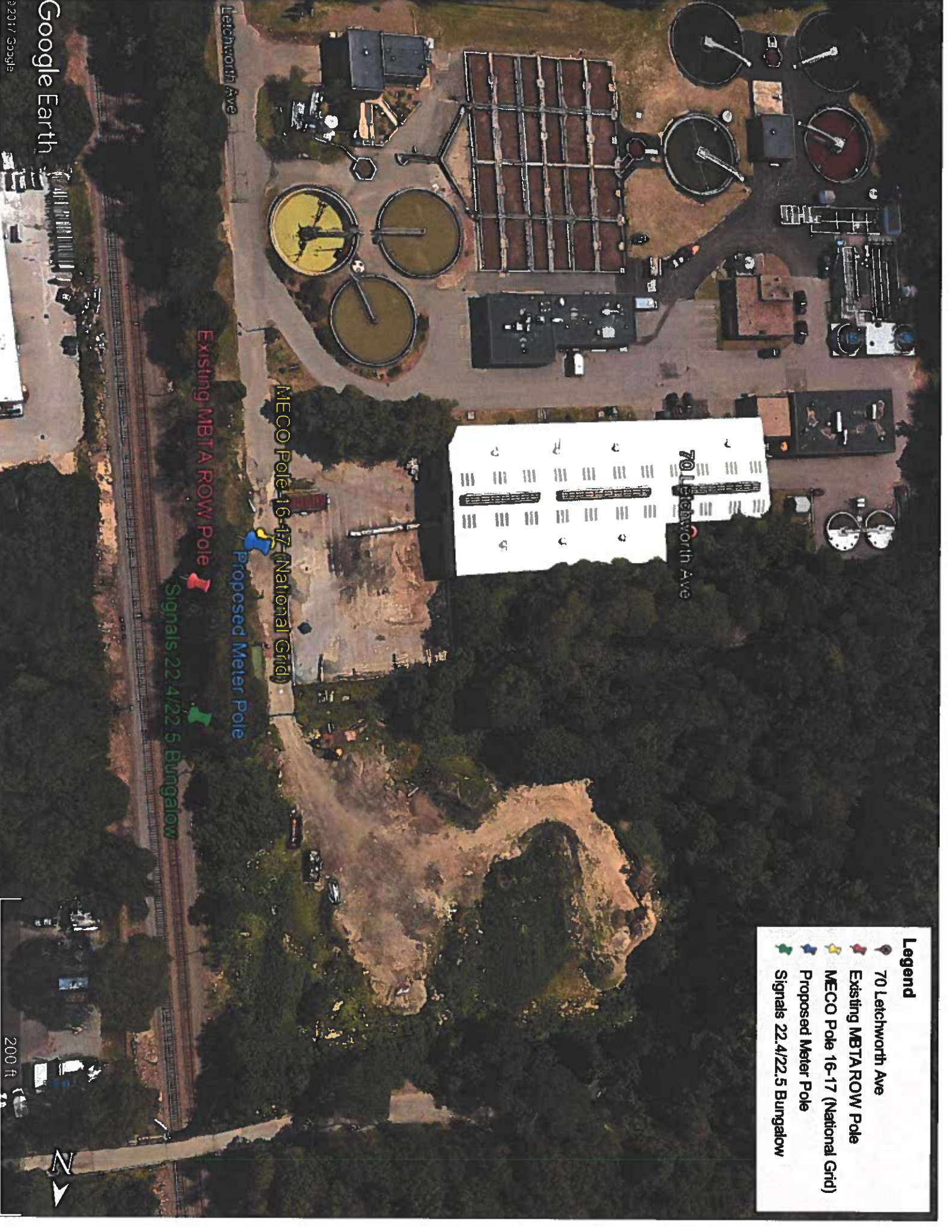
Summary: An initial power survey was conducted by the Keolis power group and it was determined that the new PTC case located at the automatic signal location 22.4/22.5 would require a new power feed. Per Ansaldo-STS's instructions, VHB was given the responsibility of coordinating with the utility company (National Grid) and determining the procedure for adding a new feed. After a site visit with National Grid, it was determined that tapping into the existing power infrastructure (MECO Pole 16-17) at the Waste Water Facility is the best way to proceed. To do so, ASTS must install a new pole adjacent to the existing utility pole, which is located on town property. The new pole will hold the meter for the new service and will connect to an existing MBTA right of way (ROW) pole aerially. From the existing ROW pole the new service will be run down the MBTA ROW and to the new PTC case. Attached are several photos and sketches to better depict the situation:

- First picture: This shows the layout of the facility and the existing/proposed infrastructure that the MBTA has and/or needs to supply power to the 22.4/22.5 PTC case. The MECO Pole 16-17 is part of an existing utility line that runs parallel to the tracks along the Waste Water facility property line. This MECO Pole 16-17 is where Ansaldo-STS is proposing to tap into the existing power line and supply the PTC case.
- Second picture: This shows the boundary of the MBTA property (pink area) and where the existing/proposed infrastructure is located with respect to property ownership. The proposed meter pole is located approximately 25'-30' from the border of the MBTA's property. The border area is heavily wooded and contains a fence, which appears to be on the towns land.
- Third picture: This is an installation sketch that provides approximate distances for the proposed infrastructure. A professional survey can be provided if necessary to give precise measurements and offsets.

If you require any additional information do hesitate to ask.

Dan Johnson
VHB, Signal Engineer
(617) 607-2945
danieljohnson@vhb.com

- Legend**
-  70 Letchworth Ave
 -  Existing MBTA ROW Pole
 -  MECO Pole 16-17 (National Grid)
 -  Proposed Meter Pole
 -  Signals 22.4/22.5 Bungalow



Letchworth Ave

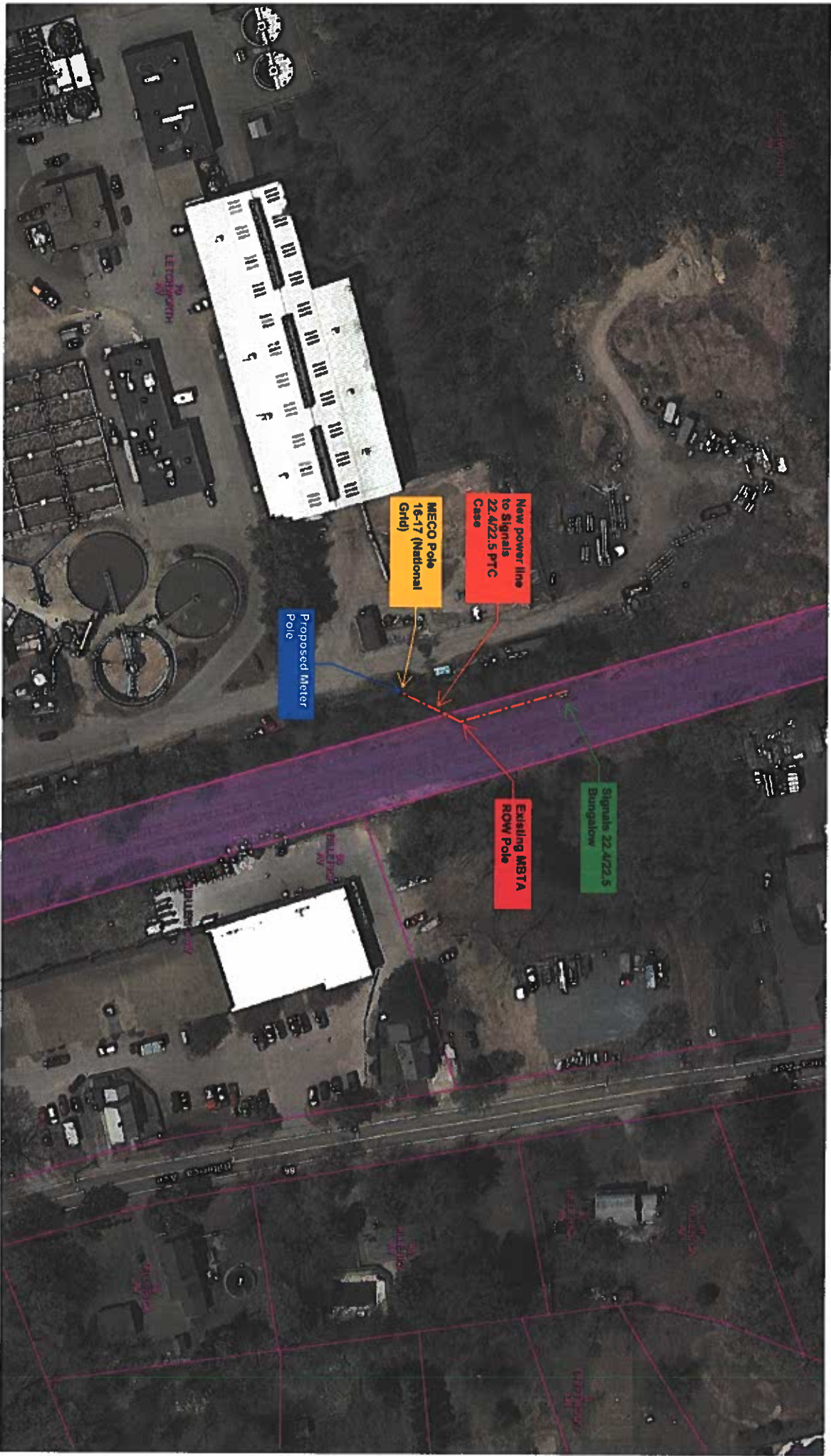
70 Letchworth Ave

MECO Pole 16-17 (National Grid)

Proposed Meter Pole

Existing MBTA ROW Pole

Signals 22.4/22.5 Bungalow



New power line
to Signals
22.4/22.5 PTC
Case

MECO Pole
16-17 (National
Grid)

Proposed Meter
Pole

Existing MBTA
ROW Pole

Signals 22.4/22.5
Bungalow

