



Article 2

Nagog Pond: Long-term Lease for Ground Mounted and Roof Top Solar Panels

ARTICLE 2 - To determine whether the Town will vote to authorize the Town Manager to enter into long-term leases, licenses, power purchase agreements and/or other contractual agreements, subject to terms and conditions approved by the Select Board for all or a portion of the following Town of Concord municipal properties located in Acton, MA, Town of Acton parcel numbers C4-14, C4-32 and Town of Concord utility and access easements located on Town of Acton parcel numbers C4-29 and C4-21, for the purposes of installing and operating solar energy generating facilities and supplying solar energy, including rooftop, ground mounted and other solar facilities, and further to authorize the Select Board and Town manager to take such action as may be necessary under State law to effectuate said agreements or take any other action relative thereto.

ENVIRONMENTAL NOTIFICATION FORM
FIGURE 1



LITTLETON

WESTFORD

GREAT RD (ROUTE 2A)

NAGOG POND WTP SITE

ACTON

MAIN ST (ROUTE 27)





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Concord petitioned the Commonwealth of Massachusetts for water rights to Nagog Pond in Acton, MA

The Town of Concord ... may take and hold the waters of Nagog Pong ... to increase its water supply.

Chapter 201, Acts of 1884



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Federal Mandate – Surface Water Treatment Rule

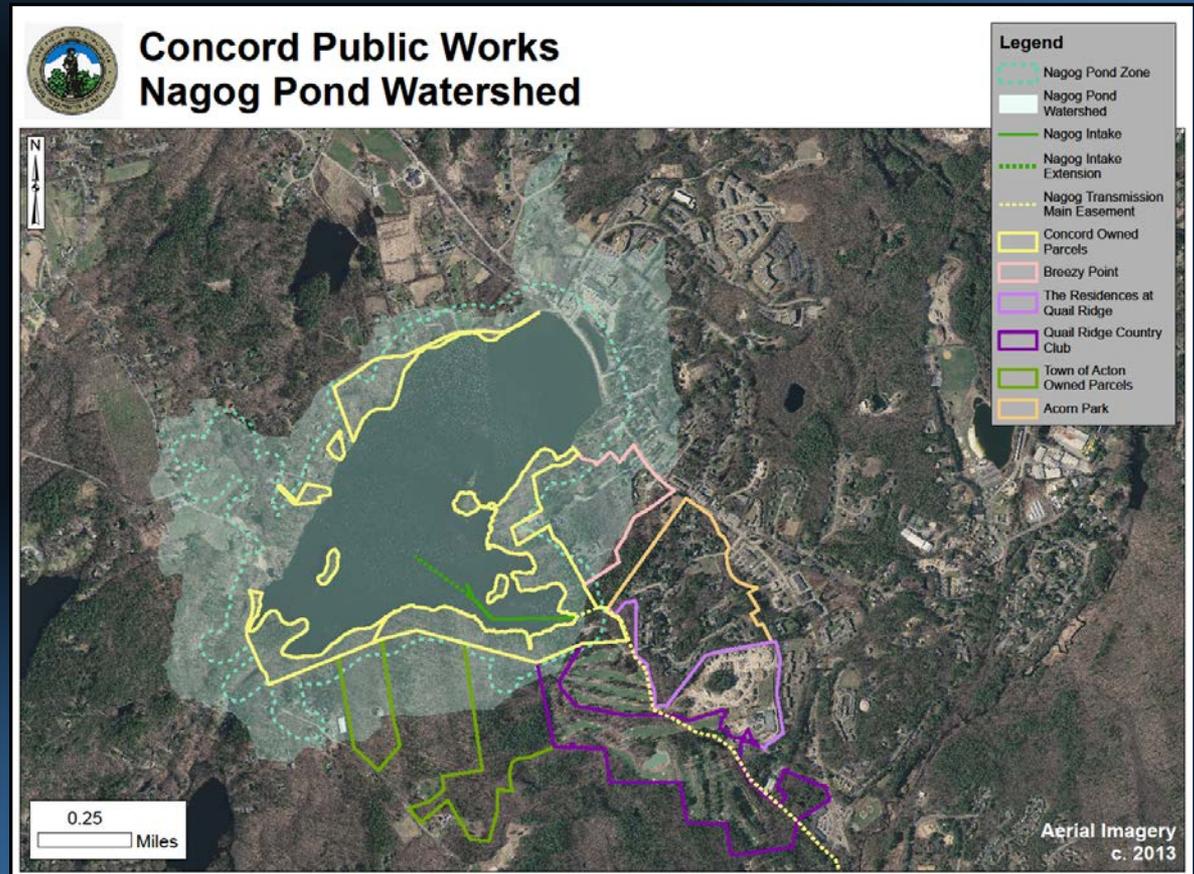
- 1989 Federal Promulgation of Rule
- 1991 Consent Order Issued to Concord
- 1991 Watershed Protection Plan Developed
- 1996 Ozone Treatment Plant Constructed
for Enhanced Disinfection
- 2011-12 Nagog Pond Dam Rehabilitation
- 2013-14 Pilot Testing of Filtration Treatment
Technologies



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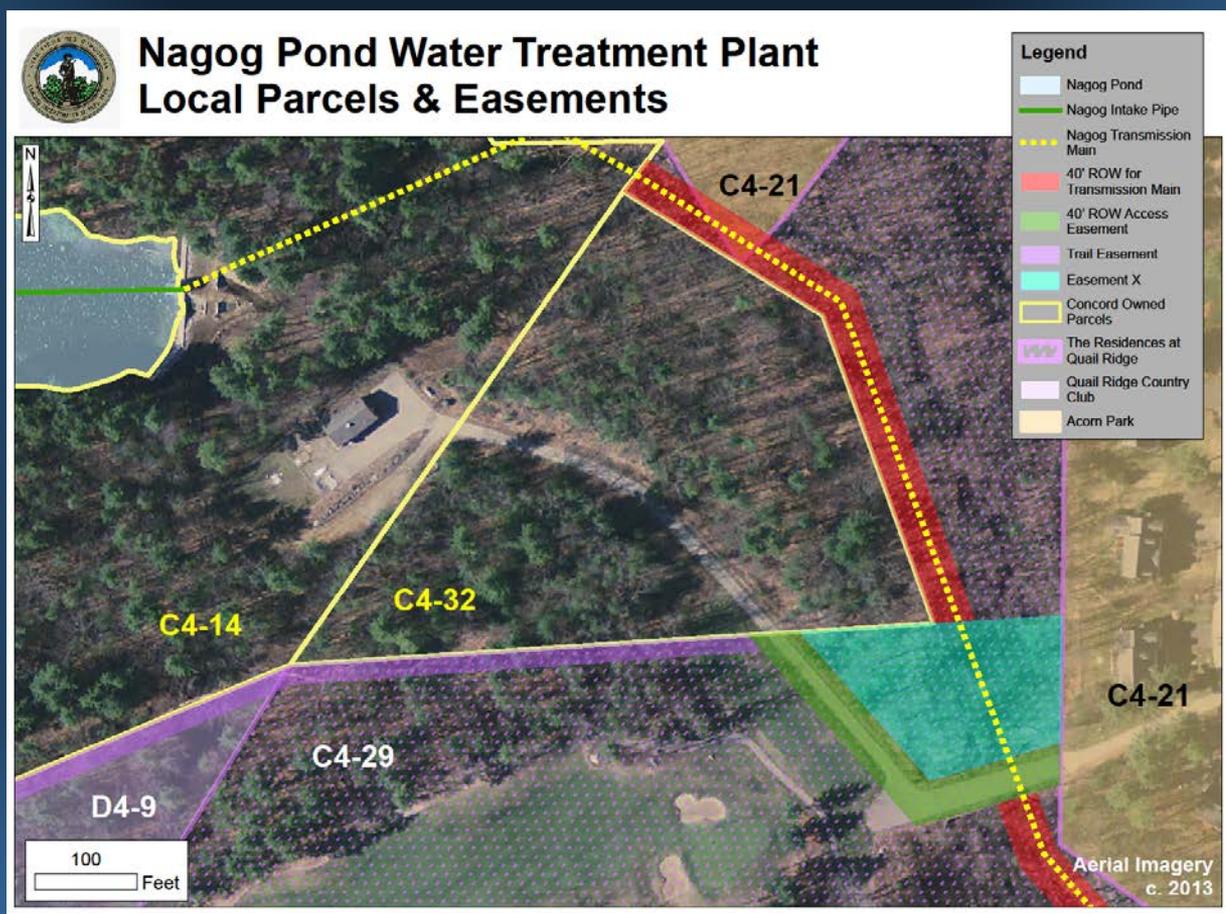
- Nagog Pond Watershed (*shaded in gray*)
- Over the Past 130 Years Concord has Acquired ~58 Acres of Land Surrounding Nagog Pond for Water Supply Purposes
- Proposed Lease Parcels Located in Southern End of Nagog Pond Adjacent to Dam





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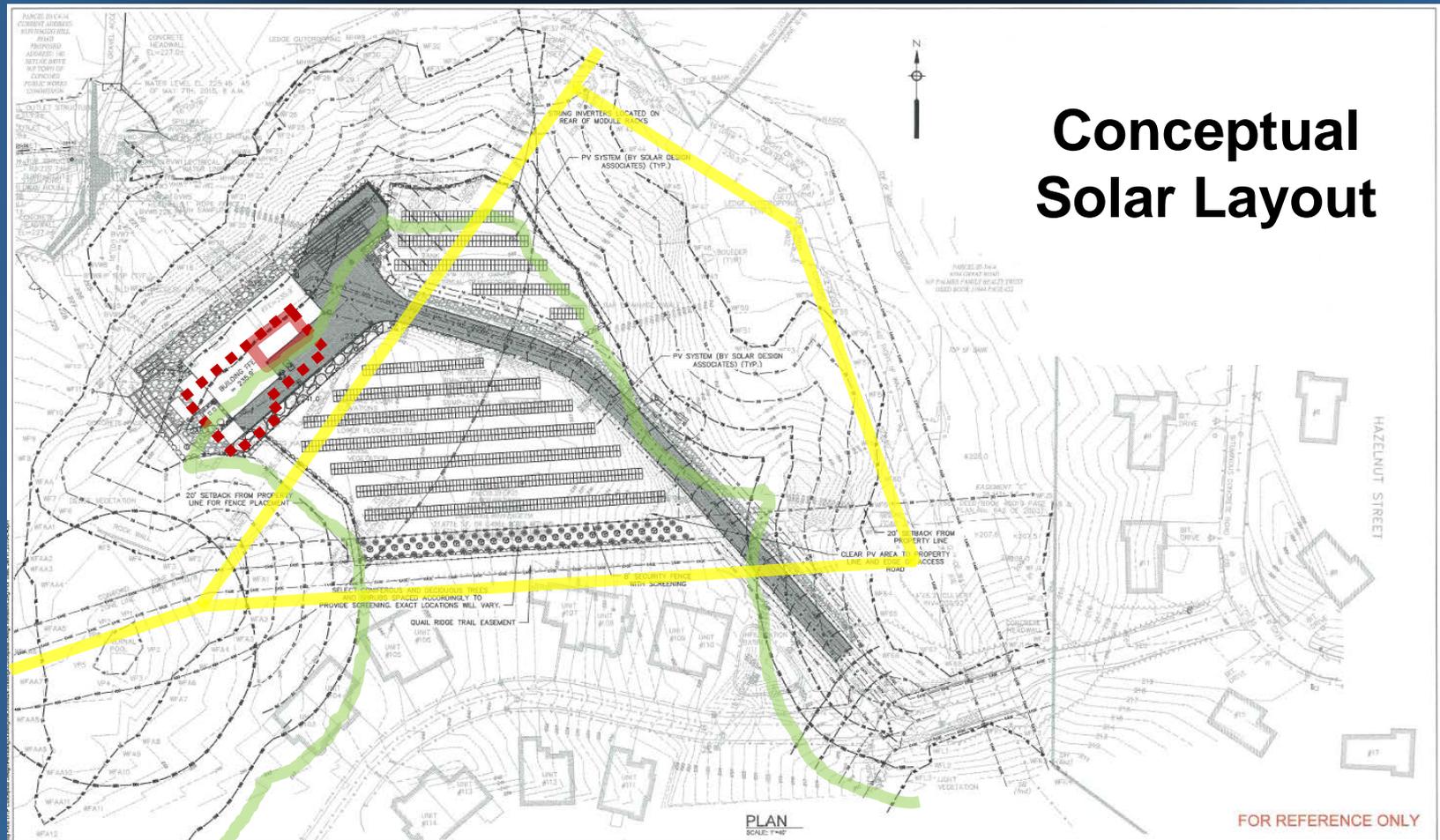


Proposed Parcels for Solar Lease C4-14,C4-32,C4-29, C4-21



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- Proposed Array Size 271.7 kWdc
- Potential Power Generation 349,000 kW Hours
- Water Treatment Plant Demand at .75 MGD – 1,372,120 kW Hours

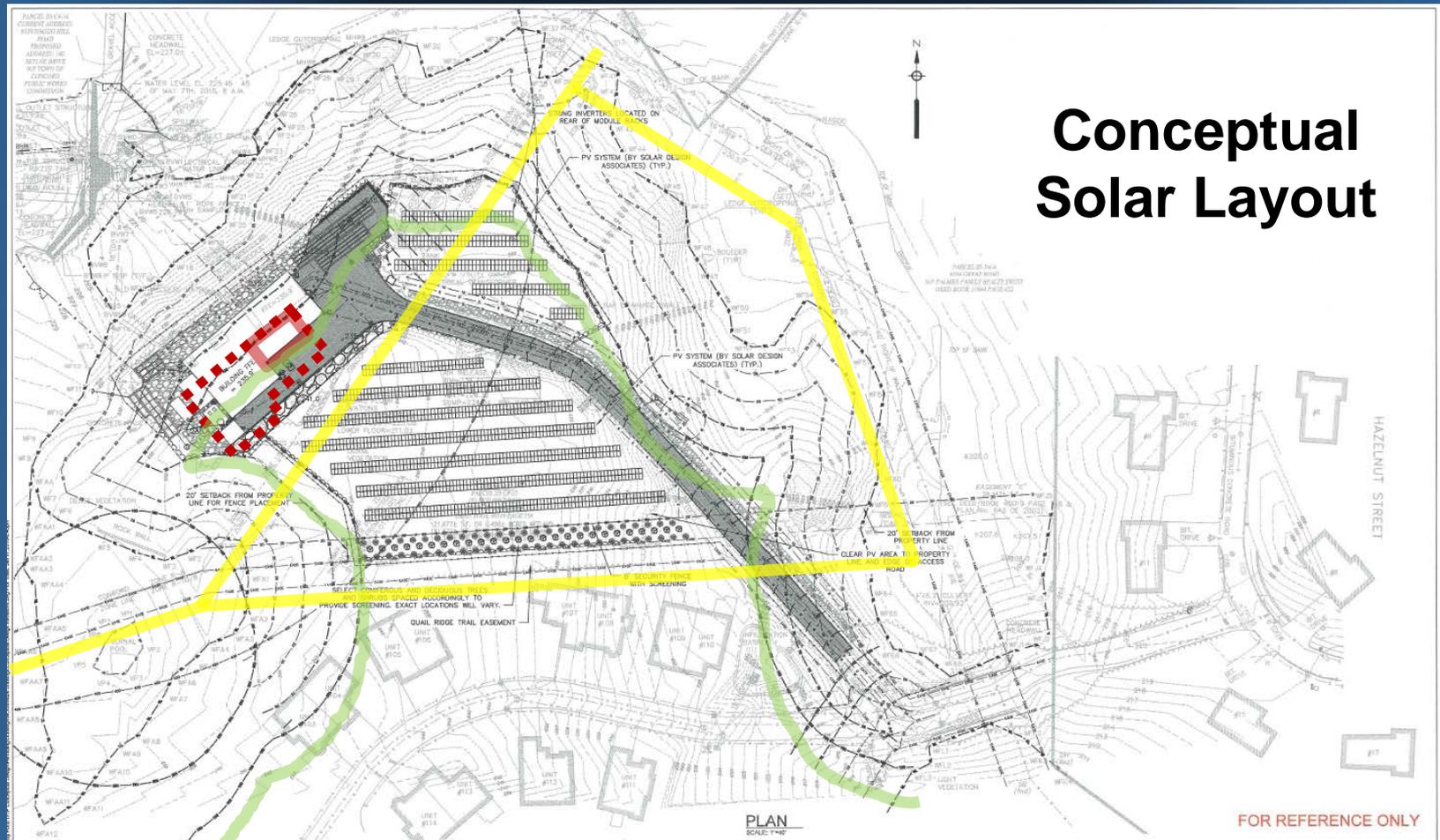


Example : Ground Mounted Photo Voltaic System



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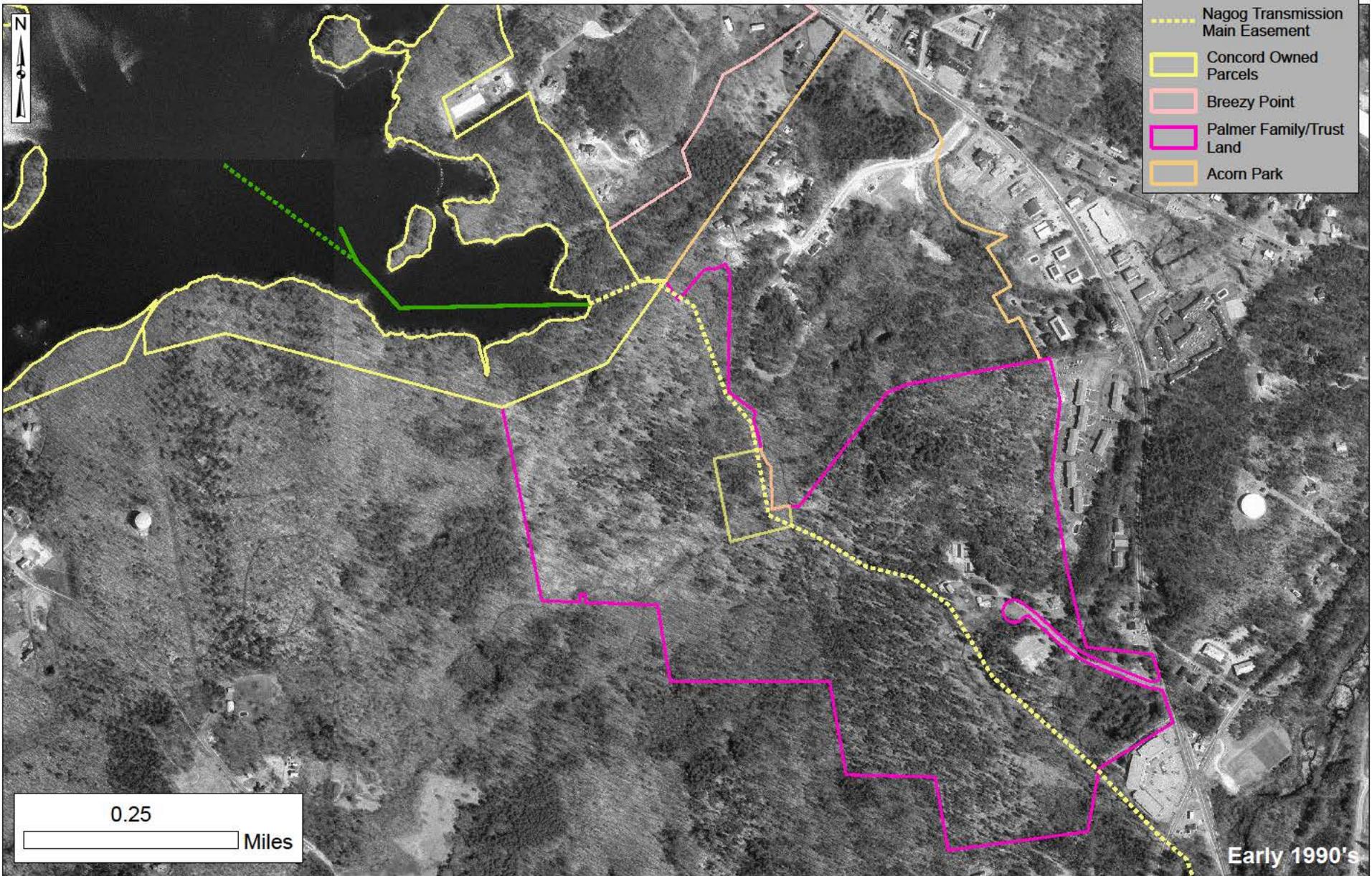




Concord Public Works Nagog Pond Development

Legend

- Nagog Intake
- Proposed Intake
- Nagog Transmission Main Easement
- Concord Owned Parcels
- Breezy Point
- Palmer Family/Trust Land
- Acorn Park







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Questions

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