

# **THE GROTON FARMS**

## **CIVIL ENGINEERING**

500 Main Street Groton – May 17, 2023





# AGENDA

- Dillis & Roy Overview
- Existing Conditions
- Proposed Site
- Utilities
- Existing vs Proposed Comparison
- Drainage
- Response to MDM (Peer Review) Letter



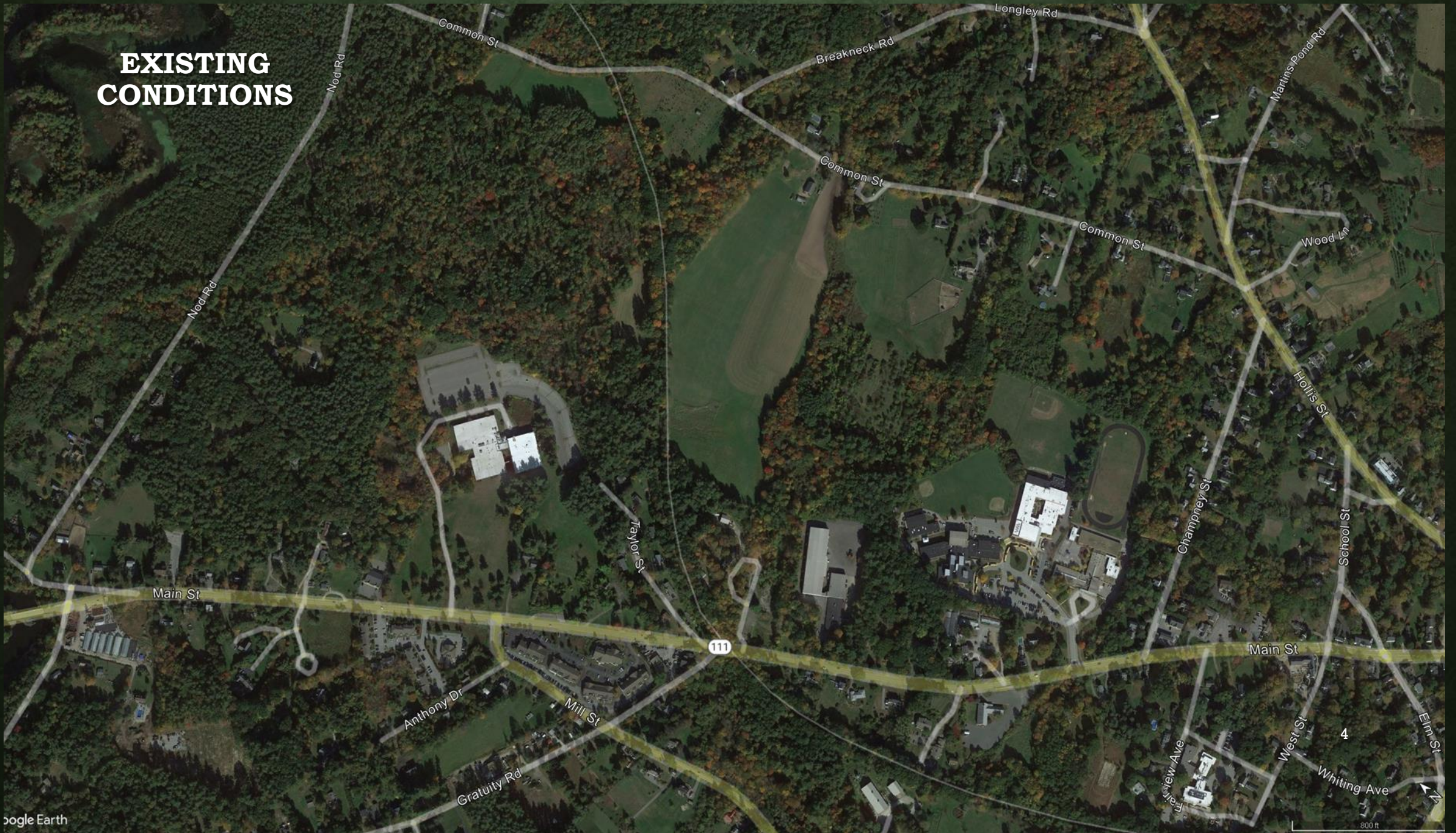
# DILLIS & ROY

- Greg Roy P.E.
- Overall experience
- Projects completed around Groton





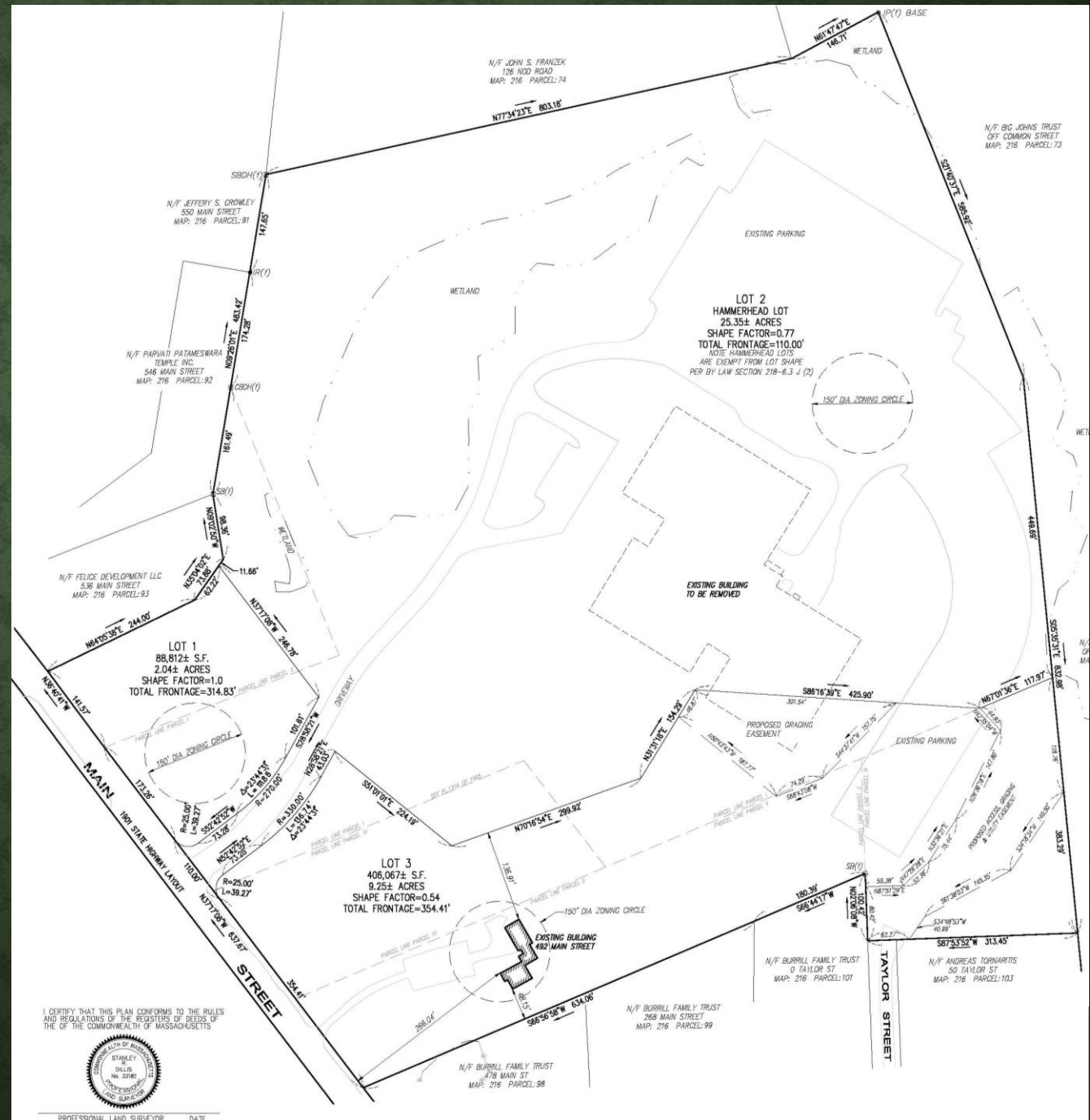
# EXISTING CONDITIONS





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**ANR**



# PROJECT OVERVIEW





## UTILITIES







# EXISTING VS. PROPOSED

- Parking Spaces 697 vs. 405
- Impervious
- Permanent Disturbance within Buffer Zones



# IMPERVIOUS AREA EXISTING VS. PROPOSED

|                                | Existing Square<br>Feet (SF) | Proposed Square<br>Feet (SF) | Change<br>(SF) |
|--------------------------------|------------------------------|------------------------------|----------------|
| Roof                           | 104,065                      | 91,183                       | -12,882        |
| Pavement and<br>Concrete Walks | 299,997                      | 236,487                      | -63,510        |
| Total                          | 404,062                      | 327,670                      | -76,392        |
|                                |                              |                              |                |



# DRAINAGE





# MDM PEER REVIEW

- Received MDM Letter of May 3<sup>rd</sup>
- Civil Engineer will update plans as follows:
  - Add Sight Line Triangles
  - Site Layout Plan to include note regarding height of features, and snow windrows
  - Bicycle Parking
  - Main Street Pedestrian Crossing
  - EV Charging Stations
  - Parking Space designated as “Delivery” in front of each Multi-Family Building and Clubhouse
  - School Bus accommodations (TBD)



**THANK YOU**