

CITY OF GROTON
DEPARTMENT OF UTILITIES
SITE PLAN REVIEW SHEET

Title of Plan Multifamily Residential Dvlpt. - 1947 Center Groton Rd Latest Revision Date 07/20/2026

Location 1947 Center Groton Road, Ledyard Center W.I.P. # 02-1864

Engineer BL Companies & EG Homes/EG Shoreline Phone #

Reviewed By Blacker, Monk, Acimovic Date of Review 07/17/26

*Please include all Notes on Plan.

Check for the Following:

<u>Required</u>	
Yes	No

- | | | | |
|-----|---|--------|-------------------------------|
| 1. | Note - All water main and service installations shall conform to the City of Groton, Department of Utilities, Water Main and Service Construction Specifications, with most current revisions. | X_____ | _____ |
| 2. | Note - Approved backflow preventers are required on all fire sprinkler and domestic water lines. | X_____ | _____ |
| 3. | Note - Remote water meter read box required for each meter. | X_____ | <u>please see note</u> |
| 4. | Note - minimum cover shall be 4.5' from finish grade. | X_____ | _____ |
| 5. | Note - Pipe separations -10' min between water and sewer
10' min between water and buildings
5' min between water and catch basins or drain pipes. | X_____ | _____ |
| 6. | Note - Site must be at subgrade before water utilities can be installed. | X_____ | _____ |
| 7. | Note - Valve locations - All branch line valves to be located as close as possible to main lines. | X_____ | <u>please reflect in plan</u> |
| 8. | Note - Engineer to provide flow calculations to confirm hydrant flow and domestic flow requirements for meter sizing. | X_____ | _____ |
| 9. | Architectural plans to show utility room locations and entry point of water service. | X_____ | _____ |
| 10. | Water meter location inside UTILITY ROOM/CABINET. | X_____ | <u>please see notes</u> |
| 11. | Electronic Copy of the site plan and as-built is required | X_____ | _____ |
| 12. | Is site located in Groton Utilities' watershed? | X_____ | ¹ _____ |
| 13. | Comments: <u>Plans not approved for GU Water & Watershed – See attached comments</u> | | |
- from GU - Contract Operator for Ledyard WPCA Water system.

Water Utility General Comments:

1. Existing water main at Center Groton Rd = 16" DI. GU noted relocation of water main tap to new, northern driveway, please note on the plan a minimum 10 ft. separation distance from force sewer.
 - a. Please note this separation is required the entire length of the force sewer main, routing north on Cetner Groton Rd and once it turns east on Colonel Ledyard Highway (Sheets: C3.10, C3.00 and C3.100). If vertical separations are utilized, please indicate this in notes on the plan.
 - b. GU Water Spec Detail # 5 provides additional information.
2. Existing Static Pressure is approximately 63 PSI static at Center Groton Road.
3. GU will perform the tap at the 16" DI water main on Center Groton Road with a tapping sleeve and valve. Please note this on the Plan. Contractor to coordinate with GU Project Management on tapping requirements, scheduling and procedures. Note this on Utility Plan Sheet.
4. ~~A meter pit and curb box will be required for each individual water service, per Ledyard WPCA Rules and Regulations.~~ **GU has requested written documentation (from Ledyard WPCA) of a verbal conversation between the developer and the WPCA, in which Ledyard WPCA waived the Meter Pit Policy requirements.**
 - a. Our current understanding is that for each building, a utility cabinet/room, with maintenance access, will be installed; within the cabinet, a manifold with four (4) meters will be installed and associated piping to each of the four units.
 - b. Please note that the meters will require associated wiring be routed through a small diameter pipe and to the face of the building. GU Meter Shop can provide additional information.
 - c. The WPCA Water & Sewer Commitment Letter, provided to the developer, outlines conditions for the contract operator to perform routine leak detection monitoring and owner requirements to repair any leaks within 60 days of a notification letter.
5. Additionally, please note on Plan:
 - a. Required 5' horizontal or 18" vertical clearance separation of water and storm water utilities.
 - b. Note water 6' min. horizontal separation from UG telecommunications and electric.
6. Flow Demand Letter to be provided to GU Water Meter Department. GU Meter Department will size meters based on flow demand provided. Meters are provided through GU Meter Shop.
7. Contact GU Water Meter Department to review requirements for the layout, quantities, and sizing of meters and backflow devices at domestic and fire protection:
 - a. **Groton Utilities Meter Department: 860-446-4077.**
 - b. Contractor to coordinate with GU Water Meter Department for temporary water meter/backflow device rental and water usage requirements during construction.
8. Hydrants:
 - a. Hydrant quantities and locations are to be determined/approved by Fire Marshal. Currently, four (4) are shown.
 - b. Please coordinate with Groton Utilities about ownership and hydrant agreements.
9. Unmetered Fire Sprinkler Agreement will be required for annual billing.
10. Contractor to provide As-built records at project completion.
11. *Please remove Generic Spec details on page: C3.100* and replace with Groton Utilities' Water Specification Sheets 1-20: Add GU Technical Drawings
 - #1 – Typical Gate Box
 - #2 – Gate Valve Connection Detail
 - #3 - Tapping Sleeve & Valve
 - #4 – Thrust Block Details
 - #5 – Typical Sewer & Drain Crossing
 - #6 – Hydrant Assembly Detail
 - #7 – Brass Wedge Detail

- #13 – Backflow Preventer Install
- #17 – Typical Trench Detail
- #19 – Typical Tracer Wire Detail
- #20 – Water Service Trench Detail

12. Please contact Groton Utilities Project Manager, Kate Blacker, assigned to this project.
13. Groton Utilities is the Contracted Water Operator (This does not include the Sewer). Ledyard WPCA's consultants, Weston and Sampson, review sewer and force sewer infrastructure on this project.

Watershed Comments

1. We request addition of a note on Stormwater Operations and Maintenance Plan to notify Groton Utilities if a spill ever occurs.
- 2.

Roof & Yard Discharges to Swale and CB-208 – We continue to remain concerned with the accumulation of flow designed to enter the catch basin at CB-208. The explanation given is that *"..... any bypass of flow will be captured by catch basins down slope and will be routed to the treatment areas."* The flow into the catch basin (i.e., CB-208), as well as the bypass flow, do not appear to be quantified, and the reference to Appendix E does not appear to provide the "gutter spread calculations" noted. Any ponding, storage or detention of flow in the area of the catch basin would be minimal, based on proposed contours, and bypass flow would appear to be directed into roadway and parking areas, as well as toward PDA-42, rather than the intended PDA-21. We would ask for some further clarification on this issue.