



City of Groton, CT  
Department of Planning & Economic Development

Application Review Sheet



TO: MW  
MEF  
WP: 3-1943

Distribution Date: 8/20/19

Return by Date: 9/3/19

Application Information

Attention: \_\_\_\_\_

Application No.: SP

Address: 250 Brandegee Avenue

Project Description: New Elementary School

Contact Person: Dennis Goderre

Telephone: 860-461-4169

Distribution List

- Building Department
- Fire Department
- Health Department
- Highway Department
- Park and Recreation

- Police Department
- Utility - Electric
- Utility - Sewer/Water
- Other: \_\_\_\_\_

Project Considerations/Information:

This is a special permit application. Hearing opens 8/20/19.

This application meets our Department/Agency requirements:  Yes  No

Review Comments (if none state 'none'):

NOT APPROVED - WATER & SEWER  
SEE ATTACHED SITE PLAN  
REVIEW SHEET. - ALL  
8-27-19

WMS

CITY OF GROTON  
DEPARTMENT OF UTILITIES  
SITE PLAN REVIEW SHEET

Title of Plan: Westside Elementary School Latest Revision Date: 8-15-19  
 Location 250 Brandegee Avenue W.I.P. # 3-1943  
 Engineer Milone & MacBroom Phone # 203-271-1773  
 Reviewed By Douglas Lafontaine Date of Review 8/27/19

Check for the Following:

Notes Required on Plan

		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.	_____	X____
4.	Size of water mains and services and note indicating minimum cover shall be 4' – 6" from finish grade.	_____	X____
5.	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.	Site must be at subgrade before water utilities can be installed.	X____	_____
7.	Valve locations - All branch line valves to be located as close as possible to main lines.	X____	_____
8.	Engineer should provide flow calculations to confirm hydrant flow and domestic flow requirements (meter size).	X____	_____
9.	Architectural plans showing utility room locations and entry point of water service.	X____	_____
10.	Meter location inside building or meter pit.	_____	X____
11.	Comments: <u>Plans NOT APPROVED for WATER &amp; SEWER. See attached comments on Page #2.</u>		

## **COMMENTS:**

1. Dwg C-102 doesn't show water utilities going to the west (street side) building.
2. 90 degree bends at water mains should be avoided. (2) 45 degree bends are preferable.
3. Is there a reason why the 4" Domestic Service branches off of the 8" so far from the entrance into the building? Could it branch off closer to where it enters the building?
4. Add an 8" GV at the 8" WM near the hydrant at east side of property near rear building.
5. Instead of new 8" tie-in at the existing 20" RC at the southern end of the property, could the new 8" tie in at the existing 8" DI water main that currently enters the property near the southern driveway entrance?
6. Add an 8" in-line GV to the proposed 8" water main that loops around the southeast portion of the property. The GV should be located at approximately the middle of the length of run between the new tie in at Brandegee and the new hydrant at the southeast corner of the rear building.
7. Meter size and layout TBD by Groton Utilities Meter Department based on required flow and demand supplied by contract engineer.
8. Add all appropriate GU Water Specification detail drawings that are applicable.
9. Specifications on the sewer ejector grinder pump are needed.
10. Size of sanitary sewer pipe at east side of rear building to be specified. Depending on size of pipe, a clean out or a MH may be required.
11. MH required at all intersecting sewer mains.
12. Sewer shut-off required at 2" SFM near ejector pump.
13. MH required between proposed MH #35 and MH #40. Gravity sewer mains to be laid in straight lines.
14. Sewer details provided on plans are from Town of Groton Specifications. This project is within the Groton Utilities Sewer Service Area, therefore GU Standard details should be on the drawings.
15. Add all appropriate GU Sewer Specification detail drawings that are applicable.
16. GU Water and Sewer Specification Manuals can be provided to engineering firm, if needed.
17. Provide (3) GV's at intersecting water mains and hydrant laterals.



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Review Comments (if none state 'none'):

ELEC -  
SEE ATTACHED COMMENTS  
D. ZITO 8-27-19

UPLM

**GROTON UTILITIES  
ELECTRIC  
SITE PLAN REVIEW SHEET**

Title of Plan West Side Middle School Latest Revision Date \_\_\_\_\_  
Location 250 Brandegee Ave W.I.P. # 3-1943  
Engineer Milone & Macbroom Phone # (203) 271-1773  
Reviewed By David Zito 860-446-4036 Date of Review 08/27/19

1. Plan approved under the following conditions.
  
2. Engineer will need to provide electrical load, service size and voltage information in order for GU to determine size and type of transformer required.
  
3. Groton Utilities to finalize layout of proposed underground electric upon receipt of final plans and electric loads. Concrete encasement shown on plan not required.