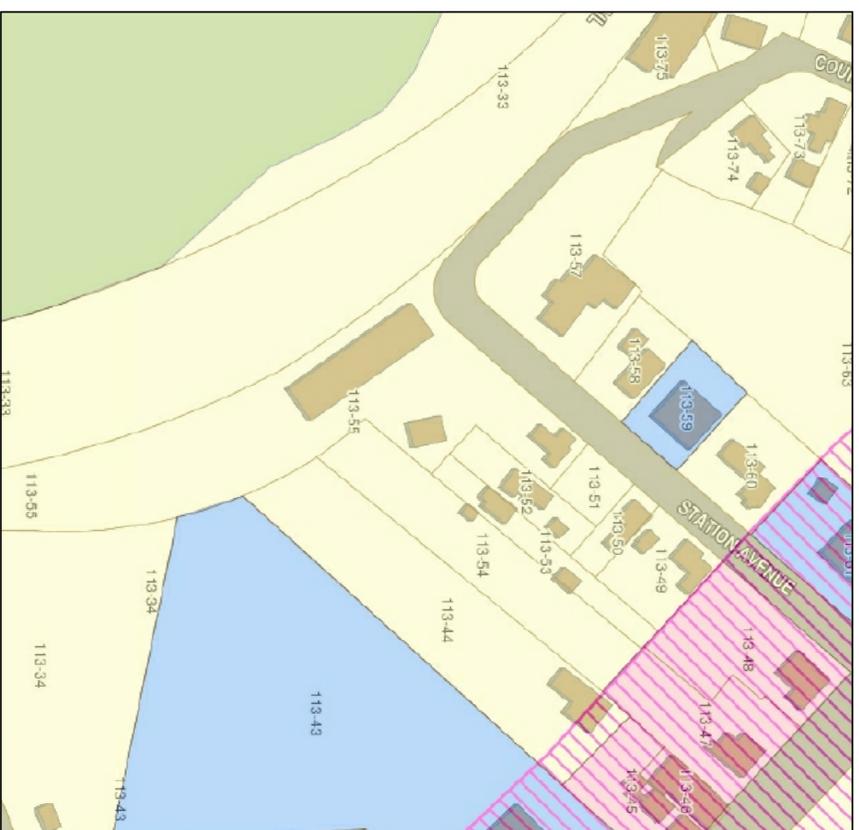


# Groton Electric Light Department Facility

## PLANNING BOARD SUBMISSION

at 23 Station Avenue

Groton, Massachusetts



**LOCUS**  
SCALE: 1" = 100'

**OWNER/APPLICANT:**

**GELD**  
23 Station Ave.  
Groton, MA 01450

**PLANNER, ARCHITECT**

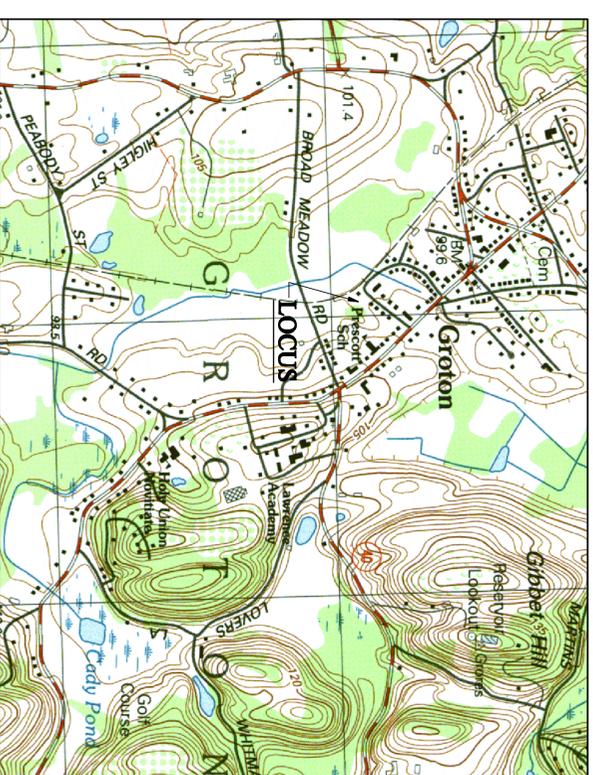
Maguire Group  
211 Congress St.  
Boston, MA 02110

**LANDSCAPE ARCHITECT,**

**CIVIL ENGINEER**  
Places Associates, Inc.  
510 King Street  
Littleton, MA 01460

**SURVEYOR**

Ducharme & Dillis  
1092 Main Street  
Bolton, MA 01740



**LOCUS**  
SCALE: 1" = 1000'

**SHEET INDEX**

- C-1 COVER SHEET AND NOTES
- C-1.1 DEMOLITION PLAN
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- C-3 GRADING AND DRAINAGE PLAN
- C-4 LANDSCAPE PLAN
- C-5 LANDSCAPE DETAILS
- C-6 EROSION AND SEDIMENTATION CONTROL PLAN
- C-7&8 CONSTRUCTION DETAILS
- C-9 WATER AND SEWER DETAILS

**PERMITTING SET ONLY**  
**NOT FOR CONSTRUCTION**

**LEGEND**

EXISTING	PROPOSED
CONTOUR LINE	CONTOUR LINE
STONE WALL	STONE WALL
EDGE OF WOODS	EDGE OF WOODS
EDGE OF PARKING	EDGE OF PARKING
BUILDING SETBACK LINE	BUILDING SETBACK LINE
DRAIN LINE	DRAIN LINE
SEWER LINE	SEWER LINE
SETBACK BARRIER	SETBACK BARRIER
WELL	WELL
50' BUFFER	50' BUFFER
EDGE WATER BODY	EDGE WATER BODY
200' RICEFROST	200' RICEFROST
100' YEAR FLOOD LINE	100' YEAR FLOOD LINE
TREE	TREE
DRILL HOLE	DRILL HOLE
PROB TEST	PROB TEST
TEST HOLE	TEST HOLE
CAPE COD BERM	CAPE COD BERM
WOOD GUIDE RAIL	WOOD GUIDE RAIL
SOIL POST	SOIL POST
DEMAN LINE	DEMAN LINE
DRAIN MANHOLE	DRAIN MANHOLE
FLAGGED END IN/OUT	FLAGGED END IN/OUT
WATER LINE	WATER LINE
WATER SHOOTER	WATER SHOOTER
OVERHEAD WIRES	OVERHEAD WIRES
UTILITY POLE	UTILITY POLE
UTILITY POLE	UTILITY POLE
UTILITY BOX	UTILITY BOX
LAMP POST	LAMP POST
SEWER LINE	SEWER LINE
SEWER MANHOLE	SEWER MANHOLE
GAS LINE	GAS LINE
GAS VALVE	GAS VALVE

**GENERAL NOTES:**

- PRIOR TO THE PREPARATION OF BIDS AND/OR THE INITIATION OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN AND CAREFULLY REVIEW ALL RECORD DRAWINGS, SURVEY DATA, AND ALL OTHER PROFESSIONAL DISCIPLINES CONSTRUCTION SPECIFICATIONS, REQUIREMENTS, INFORMATION AND ANY APPLICABLE PERMIT AND REGULATIONS/CONDITIONS OF APPROVAL FOR THE PROJECT AND SHALL NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES ENCOUNTERED ON THE PROJECT.
- BASE PLAN DATA INCLUDING TOPOGRAPHY, PROPERTY LINES AND WETLANDS ARE FROM A PLAN BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC. ENTITLED "PROPOSED" DATED JULY 18, 2011 DRAWING NO. 4581-SITE. PLACES ASSOCIATES, INC. HAS NOT PERFORMED ANY FIELD SURVEY TO VERIFY THE INFORMATION CONTAINED ON THIS PLAN AND IS RELYING ON THE INFORMATION CONTAINED ON THIS PLAN.
- VERTICAL DATUM IS 1988 NGVD VIA GCS BY DUCHARME & DILLIS.
- FLOOD INSURANCE RATE MAP MIDDLESEX COUNTY MAP NUMBER 25017C0202E DATED 6/4/10.
- STATION AVENUE WETLANDS DELINEATION (FROM DUCHARME & DILLIS) ARE ON FILE WITH THE GROTON PLANNING OFFICE DATED 2/08/07.
- THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DIG SAFE AND THE APPROPRIATE UTILITY COMPANIES SHALL BE CONTACTED BY THE CONTRACTOR PRIOR TO THE INITIATION OF CONSTRUCTION.
- ALL UTILITIES SHOWN TO BE LOCATED BY RECORD INFORMATION, SITE SURVEY, OR UTILITY LOCATOR SERVICES, THE DESIGN ENGINEER AND BASE PLAN SURVEYOR DO NOT ACCEPT ANY RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OR SUBSURFACE STRUCTURES WHICH ARE OMITTED OR INACCURATELY SHOWN. PRIOR TO THE INITIATION OF WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION/ELEVATION OF EXISTING UTILITIES SHOWN ON THE PLAN.
- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON THE DISCOVERY OF ANY DISCREPANCY BETWEEN THE LOCATION/ELEVATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN AND THE INFORMATION PROVIDED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR TO PROVIDE LAYOUT & CONTROL FOR THE DEVELOPMENT OF THE SITE.
- THE PROPOSED BUILDING LAYOUT SHOWN ON THE PLAN IS PRELIMINARY AND MAY BE REVISED UPON PREPARATION OF FINAL BUILDING PLANS.
- ALL CONSTRUCTION UNDER AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE CONSTRUCTED TO WITHSTAND A DIRECT HED IMPACT FROM TRUCKS AND TRAILERS. ALL CONSTRUCTION SHALL BE RESPONSIBLE TO PROTECT ALL UTILITIES FROM DAMAGE. TEMPORARY CONSTRUCTION LOADS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ADJACENT PROPERTY FROM DAMAGE. ALL DAMAGES BY THE CONTRACTOR OR SUBCONTRACTORS SHALL BE REPAIRED AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING SURVEY MONUMENTS (BOUND, PINS, PEGS, DRILL HOLES, ETC.) THROUGHOUT ALL PHASES OF CONSTRUCTION. ANY DISTURBED MONUMENTS (WITH THE EXCEPTION OF THOSE INTERVAL TO THE SITE) SHALL BE REPLACED OR RECONSIDERED PROFESSIONAL LAND SURVEY MONUMENTS.
- ALL PERMANENT BOUNDARY AND SURVEY MONUMENTS SHALL BE INSTALLED AFTER THE COMPLETION OF ALL HEAVY SITE WORK.
- THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON THE DISCOVERY OF ANY CONTRADICTION, INCOMPLETE OR MISLABELED INFORMATION SHOWN ON THE PLANS OR PLANS PREPARED BY OTHERS. THE CONTRACTOR SHALL ALLOW ADEQUATE TIME FOR THE ENGINEER TO RESPOND/PROVIDE DIRECTION FOR THE PLAN DISCREPANCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHOP DRAWINGS AND DETAILS FOR THE ENGINEER'S REVIEW AND THE DOCUMENTS OR IF REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION OVER THE PRODUCT. ADEQUATE TIME SHALL BE ALLOWED FOR THE SHOP DRAWINGS TO BE REVIEWED AND RETURNED TO THE CONTRACTOR PRIOR TO ORDERING THE SPECIFIED PRODUCTS/MATERIALS.

**SIZE WORK NOTES:**

- THE LIMITS OF WORK SHALL BE FIELD ESTABLISHED PRIOR TO THE INITIATION OF ANY CONSTRUCTION, SITE EXPLANATIONS OR EARTHEN DISTURBANCE.
- EROSION CONTROLS SHALL BE IMPLEMENTED PRIOR TO SITE CLEARING OR DISTURBANCE. SEE DEMOLITION AND EROSION CONTROL PLAN.
- NO DEBRIS, JUNK, RUBBERISH OR OTHER WASTE MATERIALS SHALL BE BURIED, BURNED OR OTHERWISE DISPOSED OF WITHIN THE LIMITS OF THE PROJECT. ALL WASTE, TRASH AND DEBRIS SHALL BE REPAIRED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH REGULATORY AGENCIES.
- UNLESS OTHERWISE SHOWN OR SPECIFIED, ALL SITE CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS HIGHWAY DEPARTMENT (MASSDOT) SUPPLEMENTAL STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION, AND THE APPROPRIATE TOWN'S ROADWAY CONSTRUCTION REGULATIONS, AS APPLICABLE.
- THE EROSION CONTROL MEASURES INCLUDED AS PART OF THIS SET ARE TO BE CONSIDERED THE MINIMUM STANDARDS FOR THE PREVENTION AND CONTROL OF EROSION, SEDIMENT REASPORT AND POLLUTION. ADDITIONAL MEASURES SHALL BE CONSIDERED AT THE DISCRETION OF THE ENGINEER AND CONTRACTOR TO PREVENT AT THE CONTROL OF RUNOFF, SEEDMENT AND DUST. THE CONTROL OF EROSION SHALL BE AN ONGOING PROCESS WHICH SHALL BE INSTALLED AS SOON AS IS POSSIBLE AND SHALL BE MAINTAINED AND CLEAN UP ANY SAND, DIRT OR DEBRIS WHICH ERODES FROM THE SITE ONTO STATION AVENUE OR PRIVATE PROPERTY. CONTRACTOR SHALL REMOVE ANY SILT OR DEBRIS WHICH ENTERS INTO ANY PERMANENT OR TEMPORARY DRAINAGE BASIN, SWALES, GUTTERS, PIPES, ETC.
- INVASIVE PLANT SPECIES SHALL BE REMOVED FOLLOWING THE GUIDELINES OUTLINED ON SHEET C-11 AND PER ORDER OF CONDITIONS ISSUED BY GROTON CONSERVATION COMMISSION.



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REVISIONS	Number	Description	Date
1	NO	Revisions this sheet	1/17/12
2	NO	Revisions this sheet	2/28/12
3	NO	Invasive Remediation	5/17/12
4	NO	Per Year Review Comments	7/27/12
5	NO	Per Year Review Comments	8/17/12
6	NO	Per Year Review Comments	8/18/12

**Stamp:**

**ISSUED FOR:**

**REVIEW**



**GROTON ELECTRIC LIGHT NEW OFFICE & GARAGE FACILITIES**  
23 STATION AVENUE  
GROTON, MA 01450

**Key Plan:**

**Graphic Scale:**

**Project No.:** 14204  
**Date:** November 29, 2011  
**Drawn By:**  
**Checked By:**

**Sheet Contents:**

COVER SHEET

SHEET OF