

**Dig Safe**  
 Excavators: Before you dig contact the Dig Safe Center. To prevent damage to telephone, gas or electric underground facilities of member utilities, call toll free 1-800-4-A-DIG. Massachusetts state law requires notification at least three business days before you start digging operations. In an emergency, call immediately.

**Test Pit Log**

**Test Pit 1—Elevation=51.9**

- 0'-6" SAND LOAM
- 6'-18" LOAMY SAND
- 18'-66" MEDIUM SAND
- V. 72'-81" ESTIMATED SHGW
- 66'-114" COARSE SAND
- V. 114" OBSERVED WATER
- 120'-144" COARSE SAND w/STONE 1" minus
- 144" BOTTOM EXCAVATION

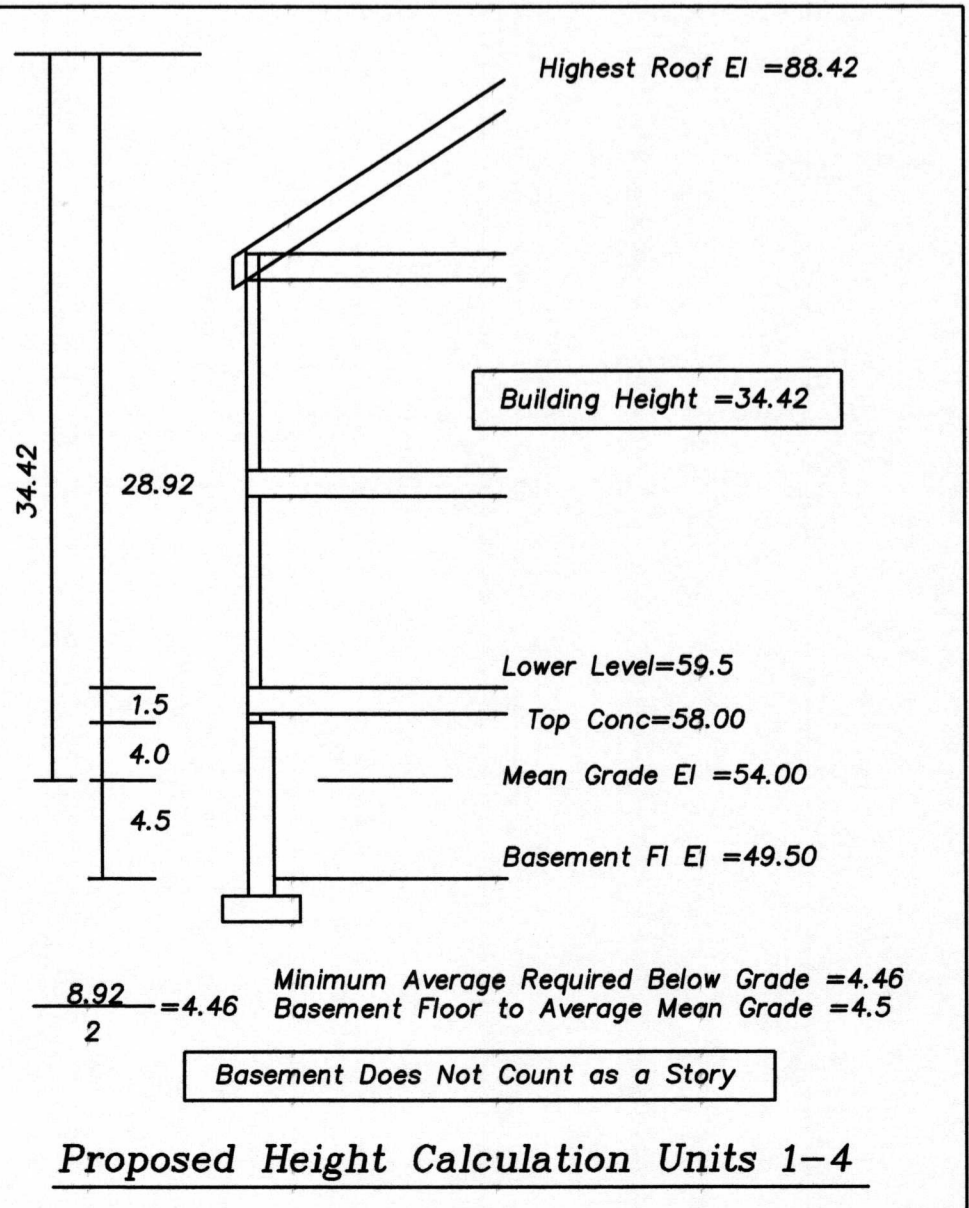
**Test Pit 2—Elevation=51.9**

- 0'-12" SAND LOAM
- 12'-36" FILL
- 36'-72" MEDIUM SAND
- V. 72'-117" ESTIMATED SHGW
- 72'-117" COARSE SAND
- V. 117" OBSERVED WATER
- 117'-132" COARSE SAND w/STONE
- 132" BOTTOM EXCAVATION

**Test Pit 3—Elevation=51.3**

- 0'-12" SAND LOAM
- 12'-36" FILL
- 36'-66" MEDIUM SAND
- V. 66'-108" ESTIMATED SHGW
- 66'-108" COARSE SAND
- V. 108" OBSERVED WATER
- 126" BOTTOM EXCAVATION

- Notes:**
- Prior to the Engineering Division recommending that a Certificate of Occupancy be issued, an As-Built plan must be submitted. The As-Built plan must show dimensional ties from fixed points to all subsurface components as well as final grading. The As-Built plan must be signed stamped and dated.
  - The contractor needs to notify the Engineering Department 48 hours in advance and schedule an appointment to have the water and sewer services inspected. The system and utilities must be fully exposed for the inspector. Once the inspector is satisfied, the system and utilities may be back filled.
  - The applicant must apply for a Street Opening and Utilities Connection Permit as well as a sidewalk crossing permit with DPW.
  - The utilities shown are from field locations and available plans of utility companies and may or may not be correct. Contractor is to contact Dig Safe, all local utility companies and field verify all locations as required prior to any excavation.
  - All work shall be done in accordance with "City of Newton Standard Specifications" and "City of Newton Construction Details", copies of which may be obtained at the Engineering Office. All work shall be subject to inspection and approval by the City of Newton Engineering Department.
  - The contractor shall provide Police Details for the direction and control of traffic, as required by the city engineer. All roads effected by construction shall remain open to emergency vehicles at all times. Contractor is to coordinate with Police and Fire Department to ensure public safety.
  - An erosion control barrier shall be in place prior to any construction and all materials must be contained on site.
  - The existing water service shall be completely removed from the dwelling to the corporation at the main. The corporation shall be capped, and a new top shall be made for the new service. Each phase of this process must be inspected by a representative of the Engineering Division, failure to having this inspection performed, may result in the delay or denial of the water service permit.
  - The existing sewer service shall be completely removed from the existing dwelling and to the existing connection at the main. The abandonment, along with the new connection must be witnessed by a representative of the Engineering Division. Failure to having these inspections may result in the denial or delay of issuing a sewer permit.
  - All utilities trenches with the exception of gas, within the City of Newton right-of-way will be backfilled with type I (excavatable) controlled density fill, as specified by the City of Newton Engineering Specifications
  - The new sewer service and/or structures shall be pressure tested or videotaped after final installation is complete. Method of final inspection shall be determined solely by the Engineering Inspector from the City of Newton. All sewer manholes shall be vacuum tested in accordance with City of Newton Specifications. The sewer service will not be accepted until one of the two methods stated above is completed. All testing must be witnessed by a representative of the Engineering Division.
  - All construction activities within the City of Newton right-of-way must fully comply with all City of Newton Construction Specifications as well as 521 CMR 21.00 and 22.00
  - No excavation is allowed within any City right of way between November 15th and April 15th. If an emergency exists or there are extenuating circumstances, Applicant may seek permission for such work from the City DPW Commissioner via City Engineer. If permission is granted, special construction standards will be applied. Applicant or Applicant's representative must contact the City Engineering Department prior to start of work for clarification.
  - As of January 1, 2009, all trench excavation contractors shall comply with M.G.L. Chapter 82A, Trench Excavation Safety Requirements, to protect the general public from unauthorized access to unattended trenches. Trench Excavation Permit required. This applies to all trenches on public and private property.
  - Any tree removed from site must comply with City of Newton Tree Ordinance.
  - Applicability of 5 Year Roadway Moratorium - At the time of construction, if the roadway is under a 5-year moratorium, the roadway must be milled and paved gutter-to-gutter for a distance of 25 feet in each direction from the outermost trenches.



**Impervious Surfaces**

EXISTING	
Houses/Decks	3350 sf
Walks/Patios	1163 sf
Driveway on Lot	3800 sf
Driveway on Passageway	1160 sf
<b>Total:</b>	<b>9473 sf</b>
PROPOSED	
Houses/Decks	4648 sf
Driveway on Lot	5723 sf
Driveway on Passageway	1160 sf
Patios	1040 sf
<b>Total:</b>	<b>12,571 sf</b>
12,571 - 9,473 = 1935	

There is an increase of impervious surface contributing to runoff of 3098±sf

**REVISIONS**

DATE	DESCRIPTION



**120 Norwood Avenue**  
 Newton, Massachusetts

**Proposed Grading and Utility Plan**

Scale: 1"=10' July 13, 2022

**VERNE T. PORTER Jr., PLS**  
 Land Surveyors - Civil Engineers  
 354 Elliot Street Newton, Massachusetts 02464

Project: 22008  
 Checked By: V. Porter Jr.  
 Drawn By: R. Jardine Jr.

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