

Philip and Julie Peterson  
22 Collins Ave  
Reading, MA 01867

May 4, 2022

Reading Conservation Commission  
c/o Charles Tirone, Conservation Administrator  
16 Lowell Street  
Reading, MA 01867

Project: 22 Collins Avenue Reading MA  
Assessors Map 51, Lot 124

Re: Request for Additional Information and details

Dear Members of the Conservation Commission:

As the applicant, Philip M. Peterson is submitting the following additional information requested by the Members of the Conservation Commission during the April 13, 2022 Meeting. The additional information is considered supplemental information to the previous submitted Notice of Intent (NOI) application and supporting materials for the installation of an inground swimming pool, pool deck and pool fencing as well as required grading and landscaping that will occur within a portion of the 100-ft buffer zone of a bordering vegetated wetland.

The applicant is scheduled for the May 11, 2022 Conservation Commission meeting to be held via Zoom.

#### **Project background**

As described in the initial Notice of Intent (NOI) application, the Project includes the installation of an inground swimming pool, pool deck and pool fencing as well as required grading and landscaping within a portion of the 100-ft buffer zone of a bordering vegetated wetland.

During the April 13, 2022 Conservation Commission meeting, the Commission requested the following additional information. This information is discussed below and includes revised Figures and Plans attached to this letter.

1. **Figure 4 Pool Plan** has been updated to include the following information requested by the Commission
    - a. Show location of the existing shed
    - b. Include dimensions of the patio adjacent to the house that is located outside the 100' buffer
    - c. Include the 35' wetlands buffer line
    - d. Provide existing and proposed elevations of grading area
    - e. Include the location of pool fence at the perimeter of the pool deck
    - f. Include proposed elevations on the Plan
  2. Updated **Figure 3-1** Ortho Map with 35' Buffer zone, existing conditions and trees to be removed
  3. Updated **Figure 3-2** Ortho Map with 35' Buffer zone with grading area and trees to be replaced
  4. Reading Tree Policy, applicant plans to remove and replace six (6) trees. **Attachment A** includes pictures of each tree to be removed and **Figure 3-2** shows the location of the trees to be removed.
    - a. Remove Tree #1, white oak. At the 100' buffer and leaning towards the house.
      - i. Diameter (d) = 25"
      - ii. Height (h) = 40-45'
-

- b. Remove Tree #2, yellow pine, Within the 100-50’ buffer zone and within the proposed sloped grading area
    - i. D = 8.6”
    - ii. H = 15-20’
  - c. Remove Tree #3, red oak, Within the 100-50’ buffer zone and within the sloped grading area
    - i. D = 11”
    - ii. H = 15-20’
  - d. Remove Tree #4, ash, Within 100-50’ buffer zone and within the sloped grading area
    - i. D = 6”
    - ii. H = 15-20’
  - e. Remove Tree #5, yellow pine. Within 100-50’ buffer zone and within the sloped grading area
    - i. D = 12.4”
    - ii. H = 18-20’
  - f. Remove Tree #6, popular, 12.4” diameter. Within 100-50’ buffer zone and within the sloped grading area.
    - i. D = 12.4”
    - ii. H = 18-20’
5. Replacement Planting locations are depicted on **Figure 3-2**.
- a. Plant (8) trees
    - i. Planted 2021, two (2) Kwanzan flowering cherry
    - ii. Proposed 2022, plantings. Six (6) additional trees will be planted during pool project. Includes 2-River Birch and 4-sugar maples.
  - b. Plant a minimum of 6-8 shrubs in grading area. Shrubs will be selected from the town’s approved list and availability of species

Prior to starting the project, a silt fence will be placed at the limit of “grading area. Soil from grading activities and the pool excavation will be placed in the area marked as “grading area” on **Figure 4**. Finish grades will match existing lawn grade and side any side slopes will be 3’ to 1’ and will be seeded with grass seed. **Figure 4** includes the “Pool Plan” stamped by a PLS and **Figure 5** includes the inground pool detail.

The applicant is scheduled for the May 11, 2022 Conservation Commission meeting to be held via Zoom. If the Commission plans to visit the property, I would like to be present to answer any questions.

If you should have any questions or require additional information, please do not hesitate to contact Phil Peterson directly at 781-417-0589 or by email at [ppeterson@terra-env.com](mailto:ppeterson@terra-env.com).

Respectfully submitted,



Philip M. Peterson

- Figure 1** Site Locus
- Figure 2** MassGIS Site Assessment Map
- Figure 3-1** *Orthophotographic Buffer Zone Deliniation (May 2, 2022)*
- Figure 3-2** *Orthophotographic Buffer Zone Deliniation (May 2, 2022)*
- Figure 4** *Pool Plan, stamped by PLS (May 2, 2022)*
- Figure 5** Inground Pool Detail

**Attachment A** Tree Pictures

FIGURE 1      SITE LOCUS

# 22 Collins Ave



**Property Information**

**Property ID** 051.0-0000-0124.0  
**Location** 22 COLLINS AVE  
**Owner** PETERSON PHILIP M JULIE PETERSON



**MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT**

Town of Reading, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 1/1/2020  
 Data updated 1/1/2020

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

**FIGURE 2**      **MASSGIS SITE ASSESSMENT MAP**

## MassDEP Site Assessment Map: 500 feet & 0.5 Mile Radii

**Site Information:**

PETERSON POOL  
22 COLLINS AVE READING, MA

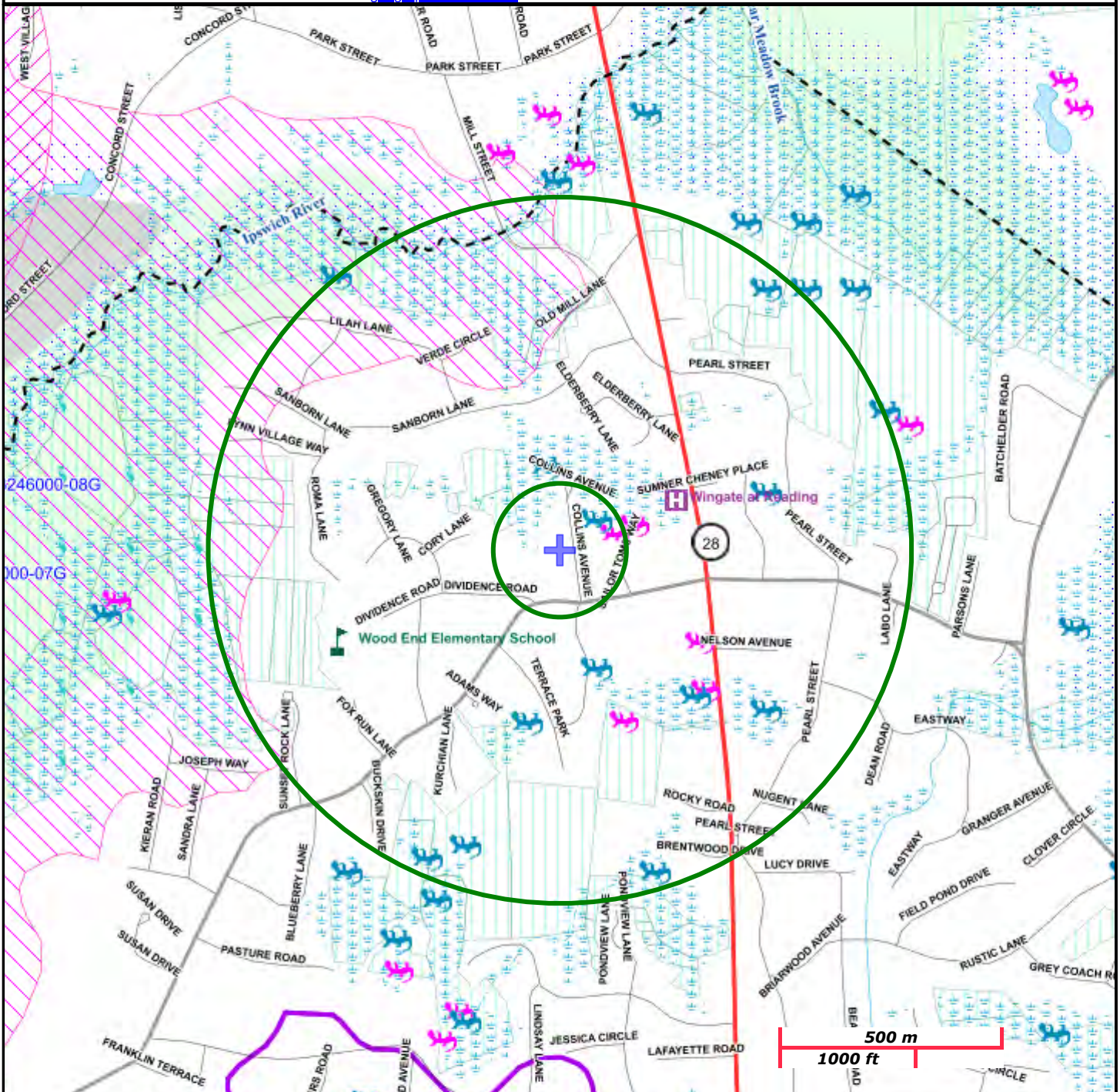
NAD83 UTM Meters:  
4713528mN , 326851mE (Zone: 19)  
February 21, 2022

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at:  
<https://www.mass.gov/orgs/massgis-bureau-of-geographic-information>



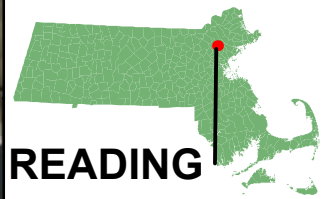
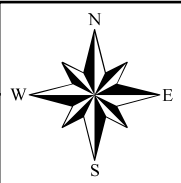
**MassDEP**

Commonwealth of Massachusetts  
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail	PWS Protection Areas: Zone II, IWPA, Zone A		
Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct	Hydrography: Open Water, PWS Reservoir, Tidal Flat		
Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam	Wetlands: Freshwater, Saltwater, Cranberry Bog		
Aquifers: Medium Yield, High Yield, EPA Sole Source	FEMA 100yr Floodplain; Protected Open Space; ACEC		
Non Potential Drinking Water Source Area: Medium, High (Yield)	Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential		
	Solid Waste Landfill; PWS: Com. GW, SW, Emerg., Non-Com.		

FIGURE 3-1 ORTHOPHOTOGRAPHIC BUFFER ZONE DELINIATION (MAY 2, 2022) WITH TREES TO BE REMOVED



READING



**Legend**

- Sewer Man Hole
- Wetland Flags

**Wetland and Buffers**

- BVW
- 25 FT Buffer
- 50 FT Buffer
- 100 FT Buffer
- 35 FT Buffer
- Property Parcel

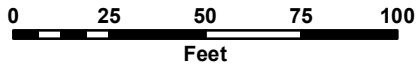
**TREES TO BE REMOVED**

- #1 Oak tree
- #2 Yellow pine
- #3 Red oak
- #4 Ash
- #5 Yellow pine
- #6 Popular



1:600

1 inch = 50 feet

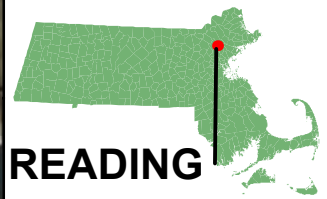
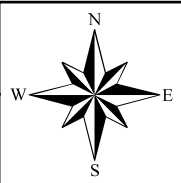


2021 Orthophotograph  
22 Collins Ave  
Reading, MA

May 02, 2022

MassGIS

FIGURE 3-2 ORTHOPHOTOGRAPHIC BUFFER ZONE DELINIATION (MAY 2, 2022) WITH GRADING AREA AND PROPOSED TREE REPLACEMENTS.



READING



### Legend

- Sewer Man Hole
- Wetland Flags

### Wetland and Buffers

- BVW
- 25 FT Buffer
- 50 FT Buffer
- 100 FT Buffer
- 35 FT Buffer
- Property Parcel

### Grading and Planting Area

- Green shaded Area:** Grass area, elevation to match pool and patio area
- Brown shaded Area:** 3:1 sloped area, grass or mulched
- Orange Circles:** Trees to be added fall of 2022
- Magenta Circles:** Cherry trees added, Spring 2021



1:600

1 inch = 50 feet

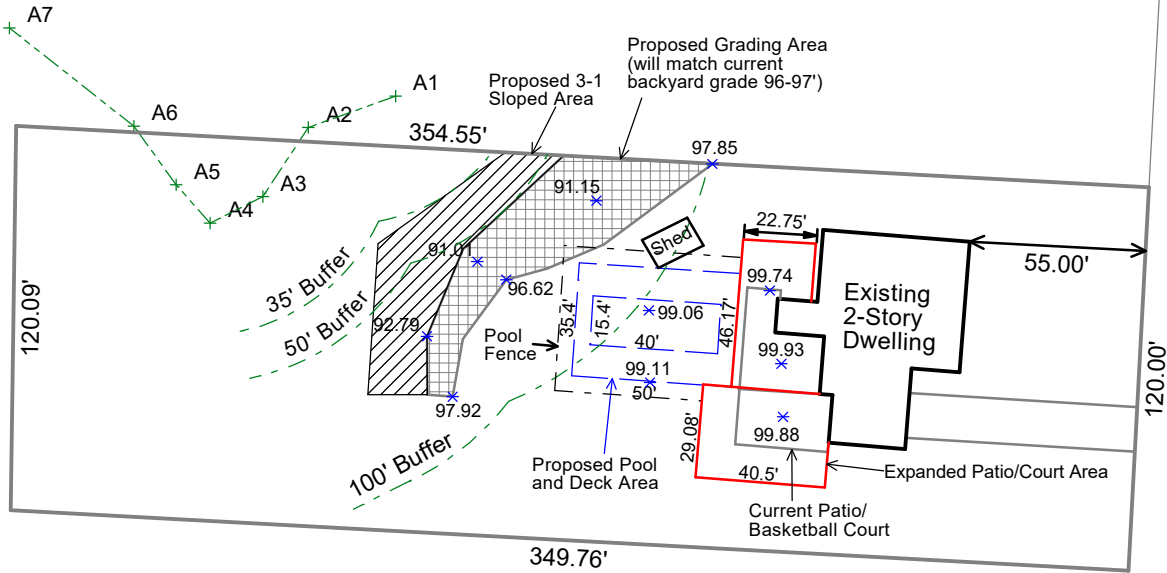


2021 Orthophotograph  
22 Collins Ave  
Reading, MA

May 02, 2022

MassGIS

FIGURE 4 POOL PLAN, STAMPED BY PLS (MAY 2, 2022)



COLLINS AVE



*Leo White*  
Leo White, PLS



P.O. Box 2138  
Lowell, MA 01851  
978-364-0138

**GRADING AREA NOTES**

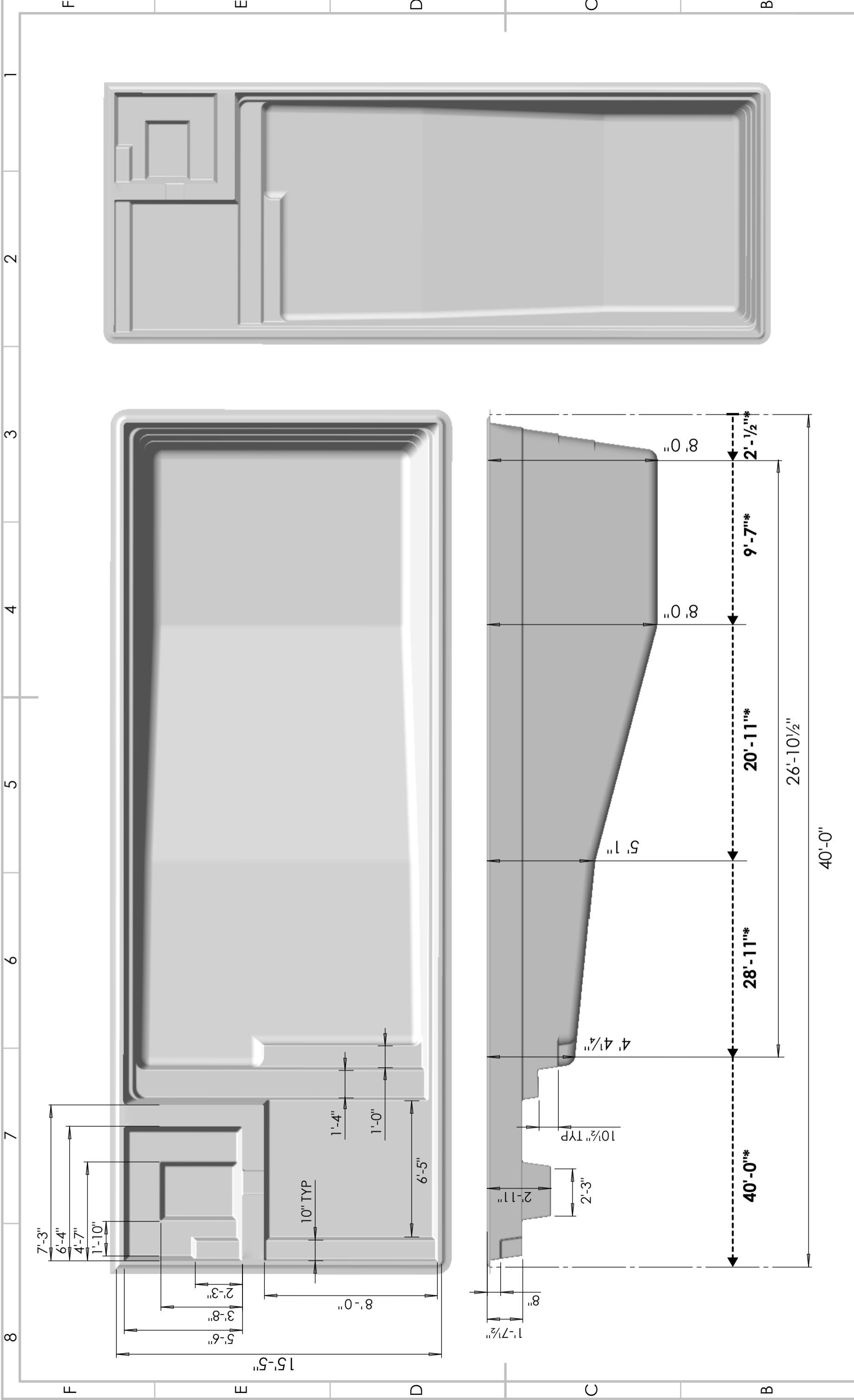
- All work will be performed outside the 35' Buffer. The 35' Buffer will be surveyed and staked prior to starting work
- Silt fence will be placed at the limit of "grading area" prior excavation activities
- Soil from grading and the pool excavation will be placed in the area marked as "grading area."
- Rocks will be placed along the boundary of the sloped grading area
- Finish grades for the grading area will match existing lawn grade and side slopes will be 3' to 1'
- Grading areas will be loamed and seeded with grass

**REFERENCES**

- Deed: Book 1338, Plan 30  
Plan: Book 748, Plan 82
- 1) Plan is for zoning purposes only and should be utilized for determining property boundaries
- 2) Wetland flagging completed by Oxbow Associates
- 3) \* Spot Elevation

<b>CERTIFIED PLOT PLAN</b>		
22 Collins Ave, Reading, MA		
Owner: Philip and Julie Peterson		
DATE: 04/29/22	SCALE: 1" = 60'	DRAWN BY: BW

FIGURE 5      INGROUND POOL DETAIL



<b>*Depth Measurement Guide</b>		<p>1. Dashed line numbers are cumulative from deep end outer coping</p> <p>2. Beginning at deep end coping location, stretch out tape measure along the ground running parallel to intended pool positioning</p> <p>3. Mark each depth transition location on the ground at distance from deep end outer coping</p>		<p>Leisure Pools and Spas Manufacturing North America Inc. 2901 Leisure Island Way, Knoxville, Tennessee 37914</p>		<p>Icon 40</p>	
FROM COPING	DEPTH	Area: 616.7 sq ft	Volume: 20,113 gal	<p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LEISURE POOLS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LEISURE POOLS IS PROHIBITED.</p>			
2'-1/2"	8'-0"	Perimeter: 110' 10" lin ft		<p>DWG NO. 40' 0" LONG X 15' 5" WIDE</p> <p>REVISION 6/7/19</p>			
9'-7"	8'-0"						
20'-11"	5'-1"						
28'-11"	4'-4 1/4"						
40'-0"	TO ZERO ELEV.						

ATTACHMENT A TREE PICTURES

TREES #1



TREES #1, #2 & #3



TREES #3, #4 AND #5



TREE #6

