

**General Notes:**

- The Data Accumulation And Boundary Depicted Hereon Was Performed By Global Associates, Inc. (GAI) On April 25, 2023. Provided By CHESSENGINEERING BY JOY HENSHALL OF GIBRATOR POOLS. NO SITE VISIT WAS PERFORMED BY CHESSENGINEERING.
- The Purpose Of This Plan Is For Approval Of The Proposed Stormwater System Depicted On THE PLAN ONLY.
- The Design Of This System Is Based On A Site Survey By Global Associates, Inc. (GAI) And Utility Information Provided By The Town Of Franklin And Is Therefore Reliant On Their Accuracy For Validity.
- This Plan Has Been Prepared In Accordance With Generally Accepted Engineering Practice. No Other Warranty, Express Or Implied, Is Made.
- Per 250 CMR 5.03(13), The Following Are Excluded From The Professional Land Surveyor's And Engineer's Scope:
  - Land Surveying Scope: See Land Surveyor Certification.
  - Engineering Scope:
    - Design Of Proprietary Equipment.
    - The Location Of Property Lines And Fixed Objects In Relation To The Property Lines Provided By The Land Surveyor.
    - Zoning, Compliance Or Any Design Requirements For The Property.
    - Location Of Estimated High Ground Water On The Property; No Soil Evaluation Was Made For This Design.
    - Location Of The 100-Year Flood Hazard Zone.
- This Plan Shall Not Be Used For Construction. Construction Layout Or Buildings, Location Of Site Improvements And Boundary Location Shall Be Performed By A Professional Land Surveyor. The Location Of Features Or Boundaries Derived By Scaling This Plan May Not Be Accurate.
- Scale Of Drawing (1" = 20') Intended For A 11"x17" Print Only.

**Engineering Scope:**

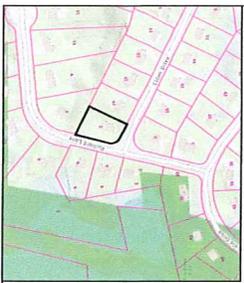
Engineering Scope:



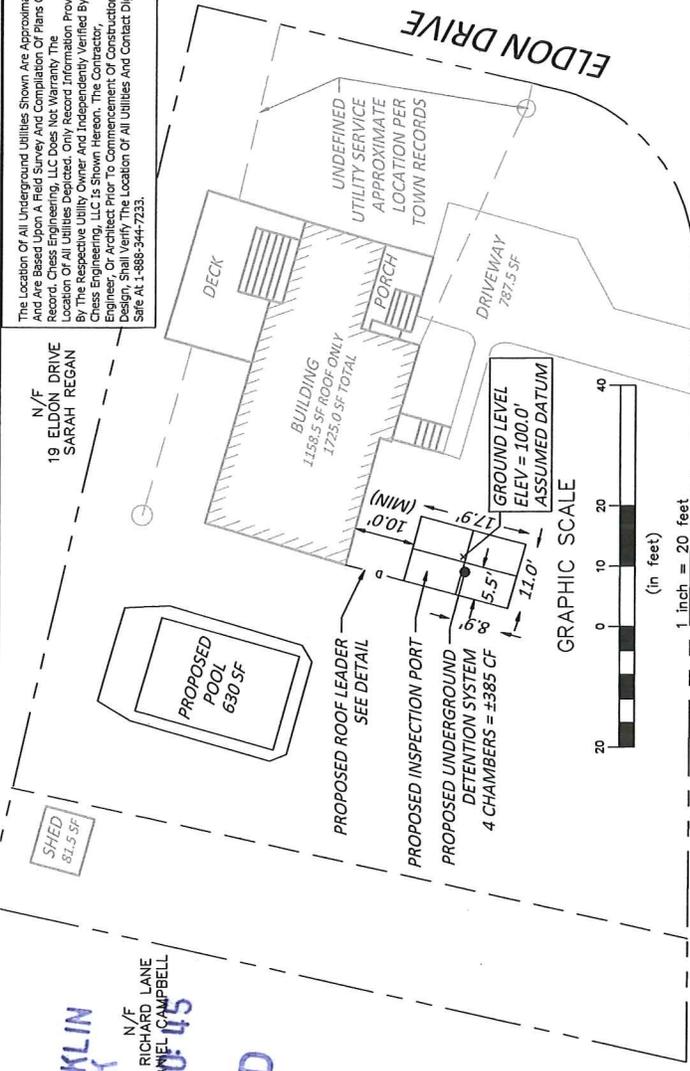
*Paul Campbell*

Paul Campbell, PE #49236 Date: 5/13/2024  
Land Surveying Scope:

The Location Of All Underground Utilities Shown Are Approximate And Are Based Upon A Field Survey And Compilation Of Plans Of Record. Chess Engineering, LLC Does Not Warranty The Location Of All Utilities Depicted. Only Record Information Provided By The Respective Utility Owner And Independently Verified By Chess Engineering, LLC Is Shown Hereon. The Contractor, Engineer, Or Architect Prior To Commencement Of Construction Or Digging Shall Verify The Location Of All Utilities And Contact Dig Safe At 1-888-344-7233.



**LOCUS**



**RICHARD LANE**

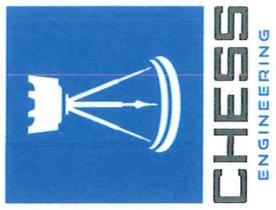
**ELDON DRIVE**

**DESIGN NOTES:** - PER DIRECTION OF AMBASSADOR POOLS VIA TOWN OF FRANKLIN BUILDING OFFICIALS.  
 1. EXISTING IMPERVIOUS COVERAGE = 2594.0 SF  
 2. PROPOSED IMPERVIOUS COVERAGE = 3224.0 SF  
 3. THIS ROOF RUNOFF LEACHING SYSTEM WAS DESIGNED TO CAPTURE 1-INCH OF RUNOFF FROM THE EXISTING HOUSE ROOF FOR THE EQUIVALENT AREA OF THE POOL, WHICH TOTALS 630 SF. MIN 52.5 CF OF STORAGE REQUIRED (4' X 630 SF = 52.5 CF)  
 4. THE INFILTRATION SYSTEM HAS A STORAGE CAPACITY OF 385 CF. THIS IS THE MINIMUM STORAGE CAPACITY OF THE INFILTRATION SYSTEM. MAT PIPING FOR THE ROOF DOWNSPUTS TO THE INFILTRATION SYSTEM MAT BE SCHEDULE 40 PVC OR APPROVED EQUAL.

**STORMWATER DESIGN NOTES:**

- CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- A COMPETENT SOILS PROFESSIONAL SHALL CONDUCT A SOIL EVALUATION AT THE LOCATION OF THE PROPOSED SYSTEM TO CONFIRM SOIL TYPE AND HIGH GROUND WATER PRIOR TO INSTALLATION.
- SYSTEM SHALL BE CONSTRUCTED 2-FT MINIMUM ABOVE ESTIMATED HIGH GROUND WATER.
- INSTALLATION AND OPERATION & MAINTENANCE OF THE SYSTEM SHALL BE PERFORMED PER THE MANUFACTURER'S INSTRUCTIONS.

John Russell, PLS #38717 Date  
Land Surveying Scope Exclusions:



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**Proposed Stormwater Plan**

Prepared For  
Ambassador Pools  
5 Richard Lane  
Franklin, MA 02038  
(Norfolk County)

Revised Area	5/13/24	PVC
5	5/13/24 <td>PVC</td>	PVC
4	Chambers & Mitigation	PVC
No.	Revision	Date
Drawn By	JAL	Checked by
Scale	1"=20'	Date August 7, 2023

**IMPERVIOUS AREA CALCULATION** - 15,472 SF LOT AREA  
 MAX COVERAGE ALLOWED PER ZONING (SINGLE FAMILY RESIDENTIAL III ZONING) STRUCTURES (20%) - STRUCTURES & PAVING (35%)  
 MAX COVERAGE ALLOWED PER BUILDING COMMISSIONER (ZONE II WATER DISTRICT) = 15%  
 EXISTING IMPERVIOUS AREA = 1806.5 SF STRUCTURES & PAVING (11.6%)  
 2594.0 SF STRUCTURES & PAVING (16.8%)  
 PROPOSED INCREASE IN IMPERVIOUS SURFACE = 630 SF  
 PROPOSED IMPERVIOUS AREA = 2436.5 SF STRUCTURES & PAVING (15.7%)  
 3224.0 SF STRUCTURES & PAVING (20.8%)  
 THEORETICAL IMPERVIOUS SURFACE W/MITIGATION = 3224.0 SF (TOTAL) - 1156.5 SF (ROOF) = 2065.5 SF (13.3% < 15% < 35%)

**RECEIVED**  
**TOWN OF FRANKLIN**

**MAY 17 2024**

**ZONING BOARD OF APPEALS**