



Exhibit C: Product Instructions

Excavation, Site Prep, and Exterior Finish Work

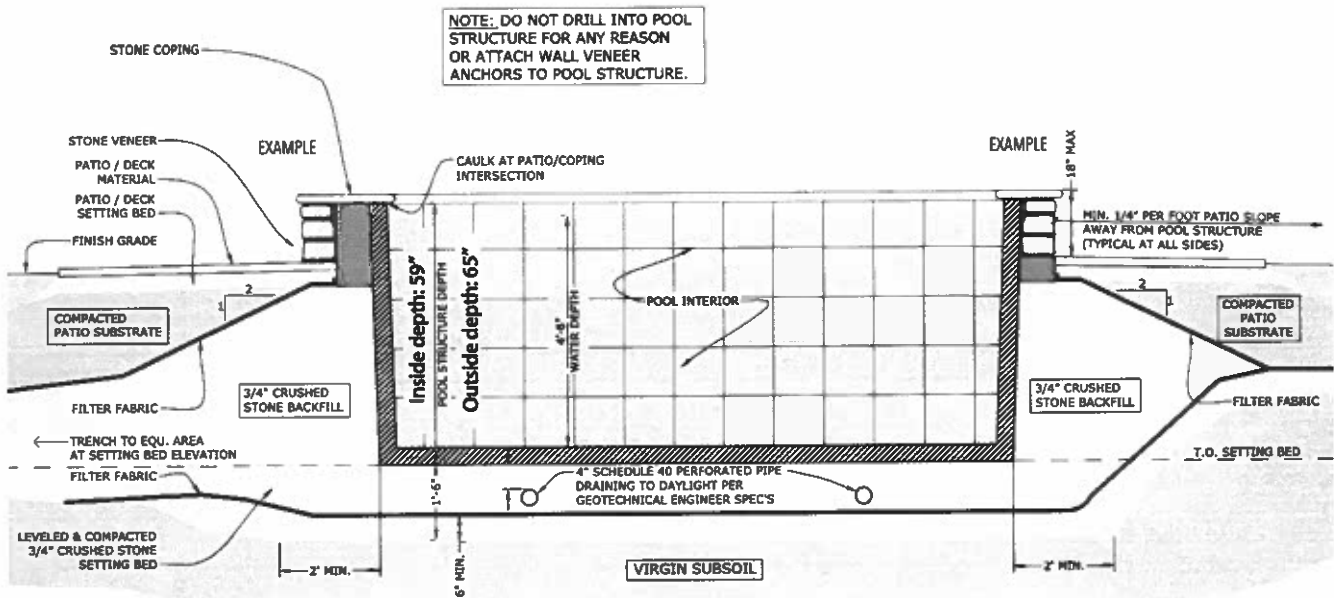
Follow instructions (Diagram A on next page) for preparing site, but modify as needed for specific location, taking into account the desired finished elevation, geo-technical data and water table. We recommend 12"-18" crushed stone beneath pool with drainage to natural light as specified in Diagram A. We recommend ¾" crushed stone as backfill except around PVC, where 6" sand above and below is preferred. Excavator should laser-level the prepared area.

Do not use a vibratory plate compactor near the pool wall. Hand tamp only. Vibratory compactors increase the risk of hitting/cracking pool wall or sending flying debris that can chip the tiles.

Excavate approximately two feet, (but not more than two feet) beyond outside dimensions of the pool on all four sides. This is important if a boom truck is delivering so that crane can reach center of pool during delivery. If overdig is too wide, boom truck may not be able to place pool in desired location as the crane's reach is limited to 15'-17' depending on pool weight.



Diagram A: Raised Installation



GRAPHIC SCALE:



NOTE: Methods described for backfill and compaction are not guaranteed to be ideal for all sites. To be certain of what method you should use, consult a licensed geotechnical engineer & structural engineer in your state

Backfill plumbing trench with a bed of sand. In freezing climates in addition to the sand, we recommend the pipes be placed on rigid foam board and spray foamed on top once pressure test has been completed. This keeps the heat loss to a minimum.

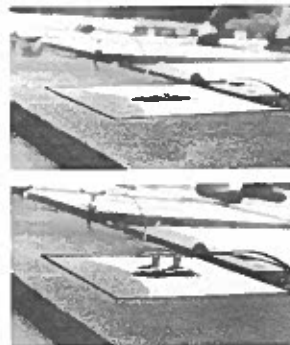
Use 2" rigid foam around all sides of pool wall before finish work is applied. When rigid foam is being used, excavator will apply the foam to exterior of the pool wall with construction adhesive before backfilling. This foam increases heat loss protection. (Foam provided by Soake unless otherwise specified). Final grade will be determined by excavator and mason (or project GC).

Excavator is required to be present when pool is delivered to help guide pool into position, verify pool is in specified location, and be on hand to help should there be any final leveling adjustments.

Masonry

Exterior build-out

Pool walls are 4" thick. The Skimmer protrudes approximately 11" beyond pool wall on one end of pool. See Diagram C and Exhibit A-1 for dimensions. If you need to build out the pool wall to accommodate coping, you may use concrete block, poured concrete or other method you choose. You will need to allow access to the top of skimmer (for cleanout of basket). Below are some examples of removable coping over skimmer and photos of skimmer protruding from pool. We highly recommend a Hide Skimmer Lid if removable coping piece is being used.



Do not drill or shoot anything into outside of pool wall including wall veneer anchors.

For best insulation, especially in freeze climates, use 2" rigid foam around all sides of pool wall before finish work is applied.

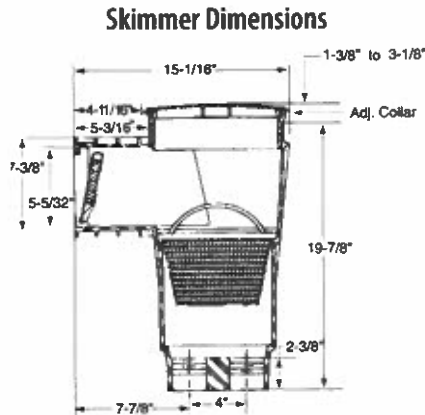
Protecting pool during construction

While working on exterior of pool, cover pool opening with plywood or similar material to avoid dropping tools into pool and to keep dirt and debris out during construction. Tile may crack if a tool is dropped into opening. If pool is left unfinished during winter months or freezing temps, pool should be covered and tarped so that no water gets in.

While applying coping with mortar or other similar products, cover the pool tile with a drop cloth so that mortar does not fall onto and adhere to tile.

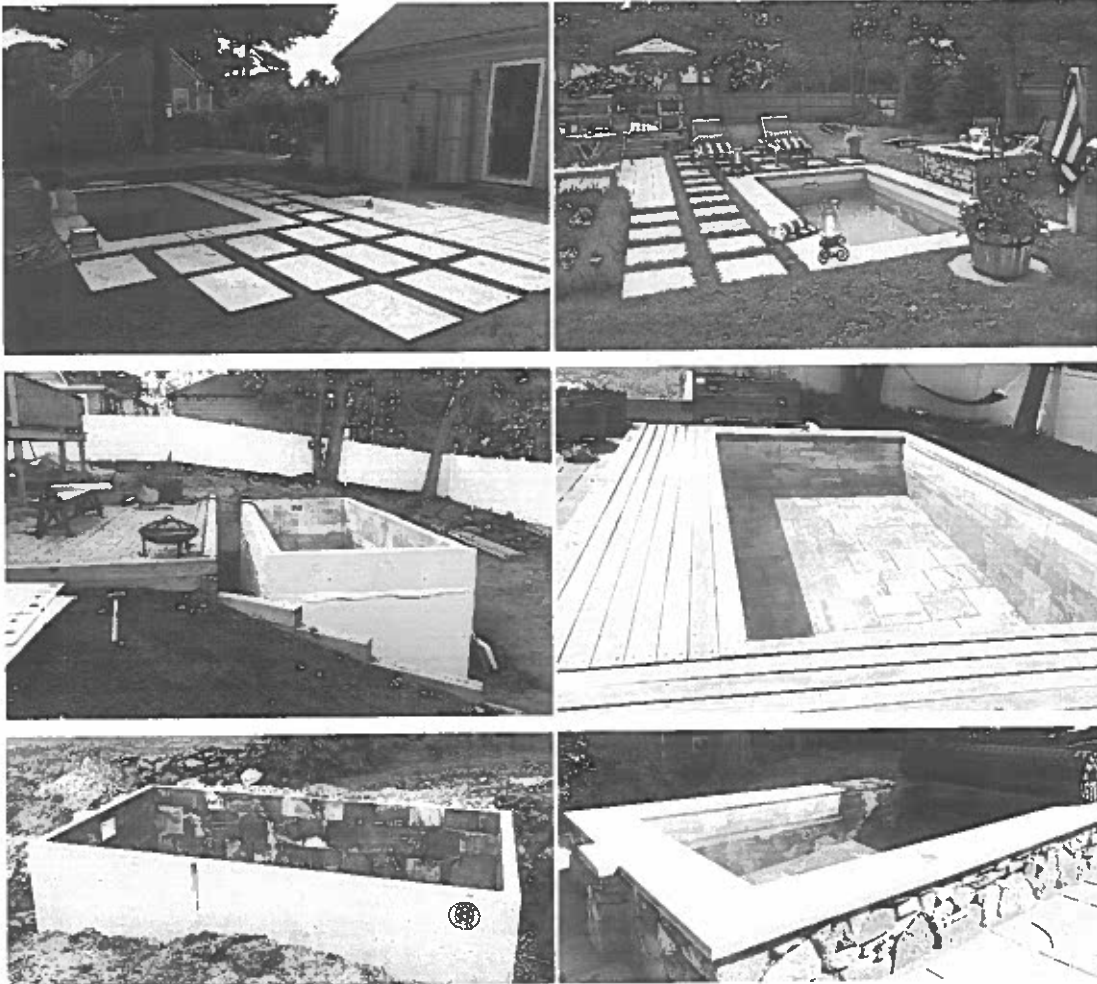
Examples of typical exterior finishes:

- **Coping:** Depending on coping width, wall may need to be built out to accommodate it. Methods of widening pool wall include pouring a concrete "apron" around pool, building with blocks, and building free-standing stone wall. When possible, include rigid foam in the build-out, sandwiched between pool and concrete apron.
- **Wood decks** butted to pool edge can be built without building out pool wall in most cases.



Before

After



Electrical

All electrical work must be performed by a licensed electrician. We cannot warranty electrical work. Follow manufacturer's specifications in I/O manuals for electrical voltage and amp requirements. Below is a summary and is not meant to replace manuals. Follow all local and national electrical codes.

Summary

Flo Pro VS Pump..... 230v (15 A)
JXI 260 BTU Heater..... 120/**240 v** (5A)
Automation 120 v (3A)
*Sanitizer (if salt) included in power center
..... **120/240v** (3A power center)
Light..... 115v (less than 1 A)

- Light is low voltage underwater light and uses light transformer.
- Light must receive exactly 12 volts from transformer
- * If mineral/chlorine sanitizer is used, no power is required for this component.

Bold indicates that this is the factory setting.

In most cases we will be supplying an automation panel that has its own subpanel, and all breakers will be pre-installed. Electrician will simply need to connect the power supply to the subpanel.

In cases where we are not pre-installing breakers, please follow the guidelines below:

Pool Pump: Use Siemens QF220P 20 amp breaker or Pentair PA220 GF 20 amp breaker.

Breakers for other equipment compatible with power center sub-panel: Cutler-Hammer, Murray, Siemens, Square D, and Thomas & Betts.

Note: Equipment has been pre-wired to automation. Do not move or re-wire relays or communication cables.

Niche-less light:

Connect a 1" conduit to the 2"-1" reducer provided. Run the 1" conduit from reducer to light transformer at equipment pad.

We provide a light with 100' cord unless otherwise

specified. Panel is prewired for 100' cord and would need to be modified if a longer cord is used.

Note: You must use both the primer and pool glue for all connections.

Follow instructions in light manual for location of junction box in relation to water level.

Install light

You will need to thread the light unit into fitting provided. Light must be installed and run through conduit before pool can be filled with water. Please be sure light is securely threaded into fitting.

Bonding

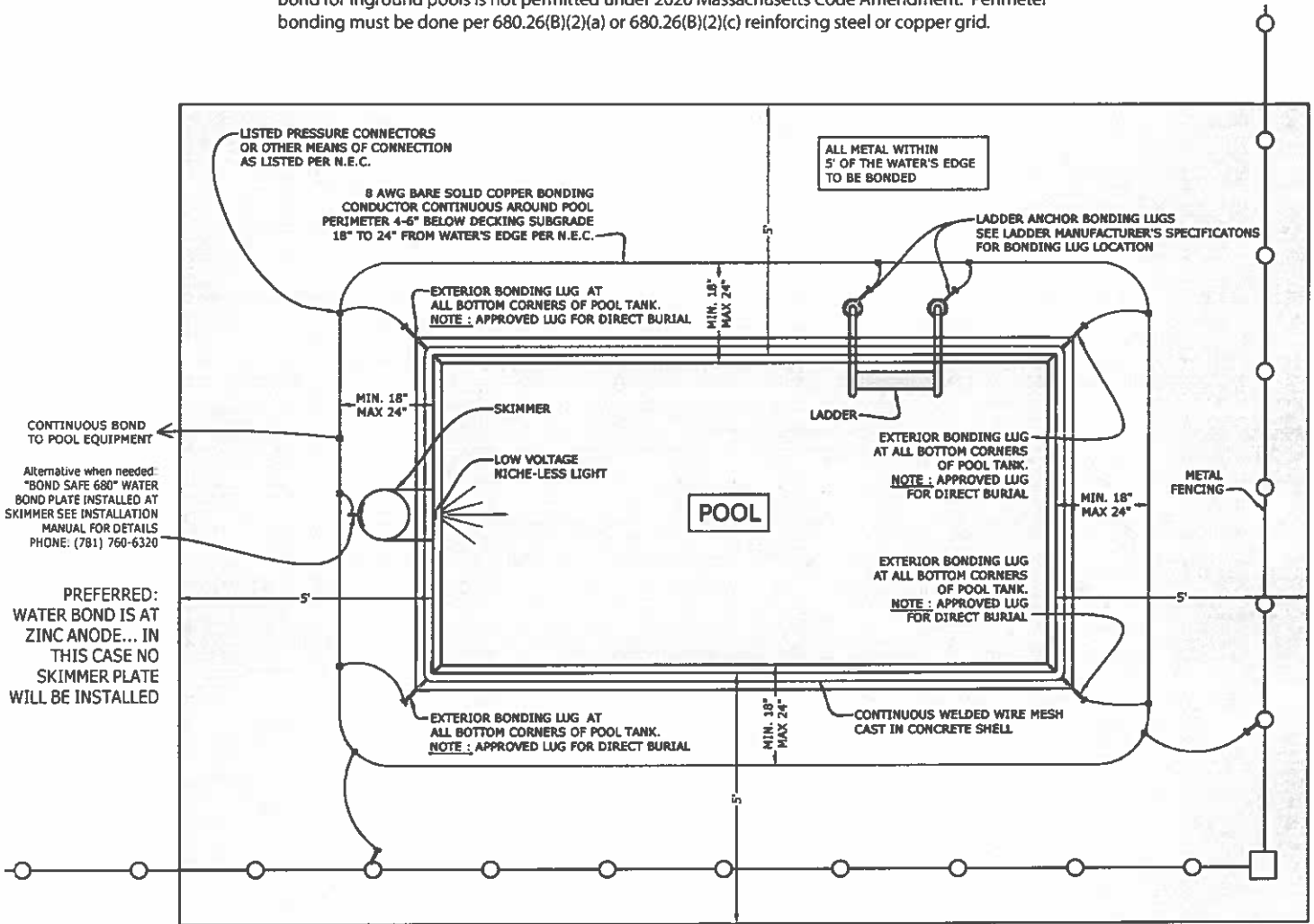
Bond pool with 8G bare copper wire at all bonding wire leads, and at the zinc water bond anode. Run the wire back to pool equipment and bond as required by local and national electrical codes. Follow bonding visual aid (attached as Diagram B). Please note that MA now requires a copper mesh around pool in addition to the bare copper wire loop. Our pools have an ETL listing for bonding wire. The ETL sticker is found on the exterior of the pool.

Air temperature sensor installation

A sensor marked "air" coming out of the control panel measures the air temperature. It can be mounted near the panel, outside of the panel box and protected from the weather.

Diagram B: Bonding Visual Aid

Important note for Massachusetts electricians: The 680.26(B)(2)(b) "copper ring" perimeter deck bond for inground pools is not permitted under 2020 Massachusetts Code Amendment. Perimeter bonding must be done per 680.26(B)(2)(a) or 680.26(B)(2)(c) reinforcing steel or copper grid.



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Plumbing and Gas Fitting

The pool fittings are pre-installed to enable a quick and simple installation process. We cannot warranty plumbing connections. For all plumbing connections, use the both primer AND PVC pool glue. We will provide the glue and primer or recommend one for your project.

The plumbing components that require installation are:

Skimmer

The skimmer has a 2" PVC slip connection. We recommend plugging the port closest to the pool wall, and plumbing the outer port. Connect skimmer line to pump at equipment pad .

Returns

The returns have 2" PVC slip connections. Run one line from salt chlorine generator to pool and split the line to the 2 return fittings at pool. (Alternatively, line can be split at equipment pad and two return lines can be run to the pool.)

Underground plumbing

Follow plumbing diagram (Diagram D). We recommend running a single 2" schedule 40 PVC pipe for the returns with a T-connection near the pool. Take care to avoid

creating an airlock. Do not run pipes up in elevation from pool and then back down again.

We recommend rigid 2" schedule 40 PVC for all underground plumbing. In freeze climates, or to minimize heat loss, insulate pipes according to best practice for area. We provide a closed-cell foam spray insulation in most cases (see excavation instructions).

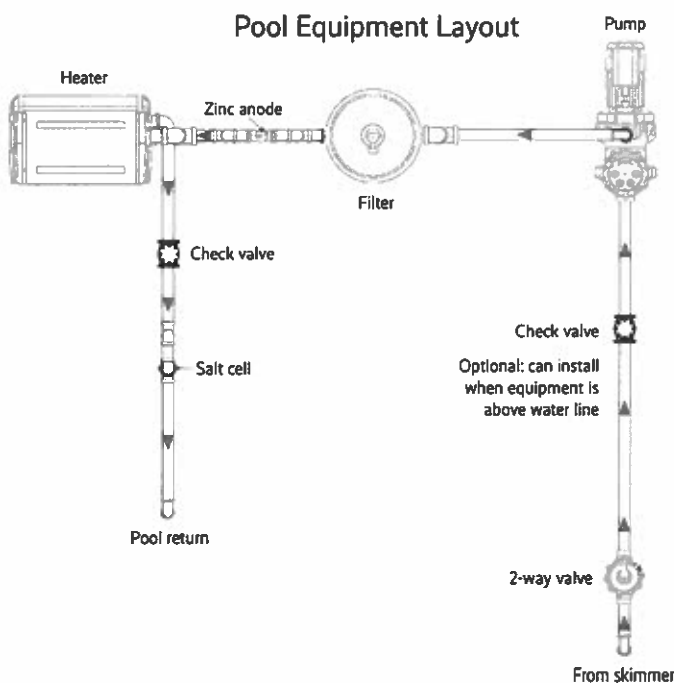
Equipment connections

Follow manufacturer's instructions for all plumbing connections to equipment. Flow diagram attached. Manuals are provided and will arrive with equipment. We can supply manuals prior to equipment delivery if requested.

Water temperature sensor installation: A sensor marked "water" coming out of the control panel is installed in the water flow path between the pump and the filter. To install this, drill a 3/8" hole on one side of the PVC piping between the filter and pump and insert the sensor into the hole, then use provided piping clamp and tighten. The sensor includes a gasket to seal against the outer wall of the piping.

Gas connections

All propane or natural gas connections must be done by a licensed gas fitter. This includes connections from fuel supply to heater and heater venting. We will supply a pressure relief valve for heater, and gas fitter must install according to local codes. Important: Verify with your local natural gas company that your current meter will support the additional 260,000 BTU load that the heater will need. Gas fitter should verify that gas supply has capacity to meet PSI requirements well in advance of your pool delivery and make any changes as required. Gas fitter should also verify that your desired heater location meets local codes.

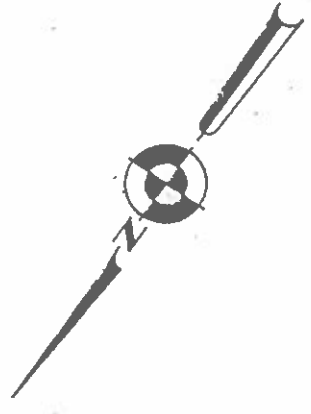
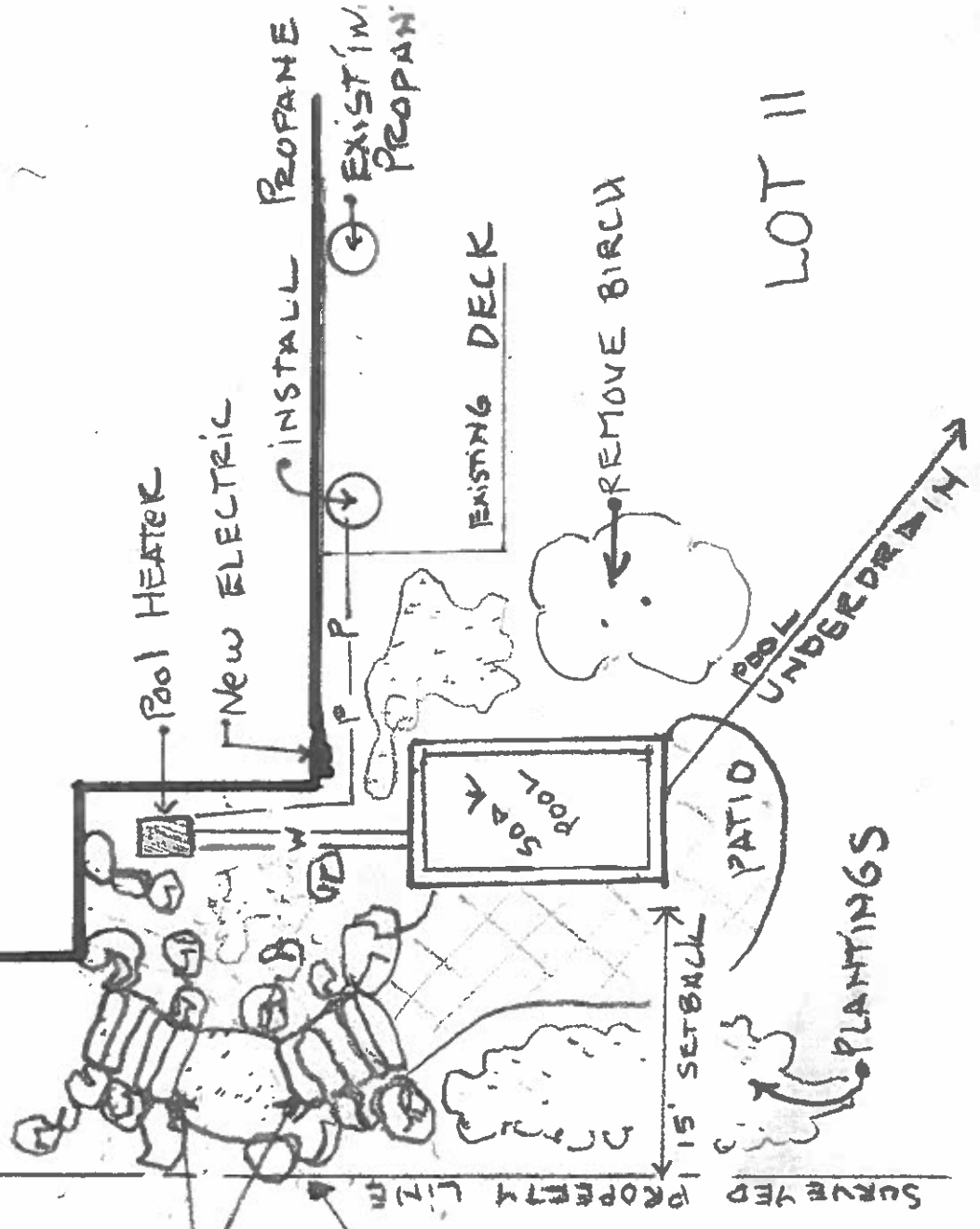


SCALE: 1" = 10'
 MARCH 2022

KIM BERWICK
SOAK POOL PLAN
MERIDEN, NH

INSTALL (10) 4' WIDE
 GRANITE STEPS

INSTALL BOULDERS
 RETAINING GARDENS



SURVEYED PROPERTY LINE