

STEALTH POOL QUICK REFERENCE GUIDE



Welcome

Welcome to the Midnight Sun family! The following guide is to help you understand what is involved in building your new semi-inground pool.

Your Stealth pool installation requirements:

- 1. Mark the desired location of the pool and equipment**
- 2. Order the necessary sand for the size of your pool**
***If needed for buildup of site, order necessary gravel**
- 3. Check with your local codes office for permits and other requirements**

Like any outdoor construction project, unforeseen circumstances may occur (weather, scheduling, ground conditions, etc.).

Our Scheduling and Installation Department will reach out to you to schedule a day that is convenient for your installation once your pool has been paid in full or approved finance in full. Contact will vary by location as well as time of year based on the build schedule and lead times. Calls are generally the week prior to the build date.

If you have any questions, at any point in the process, please reach out to us directly at the numbers listed below.

Bemidji, MN (218) 759-8518

Brainerd, MN (218) 833-1000

Philip J. Nyhusmoen Midnight Sun

www.mnspas.com

Homeowner's Pre-Installation Checklist

- ☐ **Underground Lines:** Locate and clearly mark electric, phone, cable, or any other utility lines, septic tank, and field lines on or near pool site prior to excavation. Call 811 (free) and get reference number of 811 ticket for installation department. Note: Private utilities such as electrical lines to outbuildings, gas grills and light lines will not be marked by 811 and are the customer's responsibility to accurately mark their location. Midnight Sun is not responsible for damage to unmarked utilities during the excavation or build process.
- ☐ **Permits/HOA:** Check with local, county, and state codes departments and provide any permits required to issue complete compliance with all code ordinances. If HOA approval is required, please attain approval.
- ☐ **Pool Plus Pump & Filter Location:** Locate and mark the pool site and filter location prior to excavation and in accordance with all state and local codes.
- ☐ **Identify Path Access:** Provide an 8' access path for excavation equipment. Midnight Sun will not be responsible for damage to the yard, driveway, or any obstacles in access path. We will not remove any part of a fence to allow 8' access, and Midnight Sun will not put the fence back up. We do not drive over septic or field lines.
- ☐ **Sand Material:** Order and pay for fine mason sand, and arrange for delivery, prior to schedule date. Sand is to be placed within 20' of pool site, but not directly on the area to be excavated. Get sand immediately as waiting to get sand can cause delays in scheduling of installation.

Sand Requirement:

Reference: Laying Out Your Pool on next page.

POOL SIZES	AND TO ORDER	POOL SIZES	AND TO ORDER
15' Pool	4 tons of sand	10' x 20' Pool	5 tons of sand
18' Pool	5 tons of sand	12' x 24' Pool	6 tons of sand
21' Pool	6 tons of sand	15' x 30' Pool	10 tons of sand
24' Pool	7 tons of sand	18' x 33' Pool	12 tons of sand
28' Pool	9 tons of sand	12' x 22' DC Pool	6 tons of sand
30' Pool	10 tons of sand	14' x 28' DC Pool	9 tons of sand
33' Pool	12 tons of sand	16' x 32' DC Pool	11 tons of sand

Homeowner's Post-Installation Checklist

- ☐ **Fill Pool:** Furnish water and fill the pool to the proper level (approximately 1/2 way up the skimmer opening) before starting filter system. See "Filling Instructions."
- ☐ **Install Steps:** Placement of steps (if purchased) into the pool after filling with water. (Note: we DO NOT install the steps during installation. We will leave the steps a few feet away from the pool) this is the homeowner responsibility to put the steps in the pool.
- ☐ **Grading Services:** Grade, Remove, Spread, and/or backfill any excess dirt or sand left around the pool. (Note: We DO NOT provide grading or haul off services in our installation) this is the homeowner responsibility.
- ☐ **Extra Services:** Pay for any excavation beyond what is included. Requests for additional work should have been made prior to installation, as reviewed in the contract. Payment is to be made to the excavator.
- ☐ **Pool Safety:** Teach pool safety to family and guests, specifically NO DIVING, SHOVING, PUSHING, or HORSE PLAY. Install and use alarms and all other safety devices ensuring compliance with all safety regulations. This specifically includes a pool alarm, as required by Minnesota State Codes.

Note: MIDNIGHT SUN IS NOT RESPONSIBLE FOR WATER REPLACEMENT FOR ANY REASON.

Electrical Requirements

The customer must provide a 20 amp 110v power source for the pump that is protected by a Ground Fault Circuit Interrupter (G.F.C.I.). Fully inground Stealth pools may require additional electrical requirements. This service should be provided by a qualified electrician in accordance with state and local codes after the pool has been installed. Bonding of the pool is the electrician's responsibility (water bonding and pool bonding) per local codes and permitting.

Note: An extension cord does not meet electrical codes and will void the pump manufacturers warranty.

You will need to schedule your electrical the DAY OF or AFTER the pool is installed, not before.

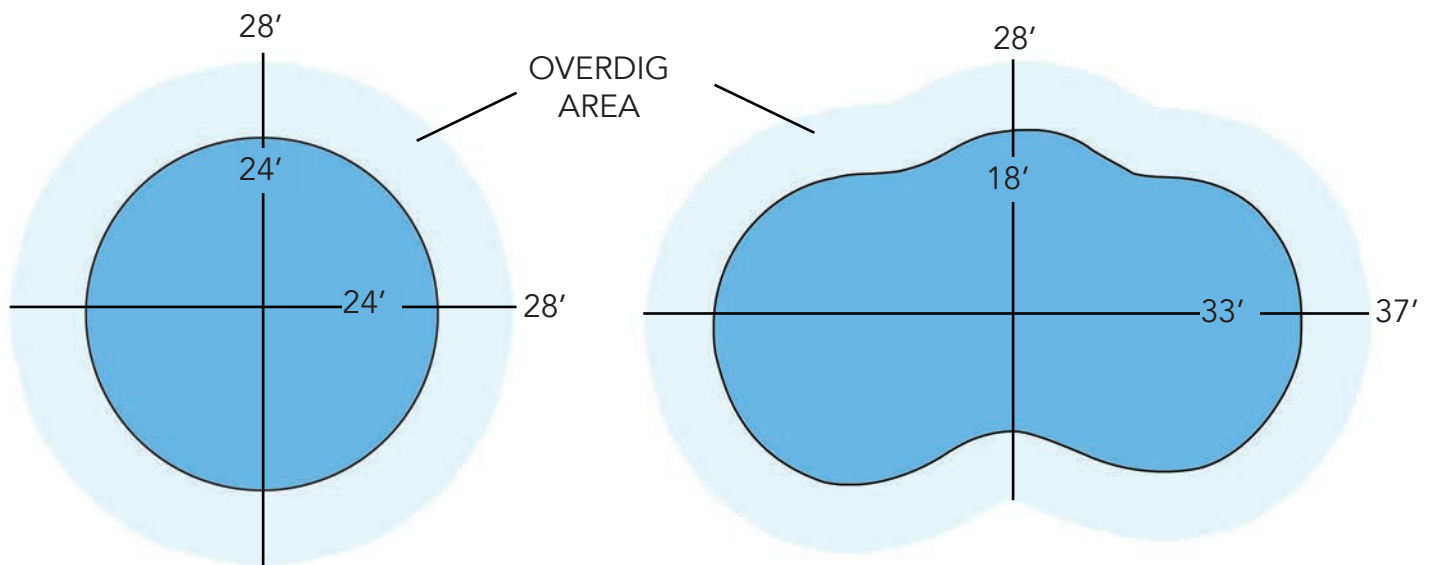
Laying Out Your Pool

To begin, make sure that the pool site is not within 15' of any overhead power lines, and 10' from any trees. The pool cannot be built over any part of a septic system, and you are responsible for making sure the pool is not infringing on any property lines, easements, or built over any utility lines. We do our best to accommodate the customer's chosen site for the pool sometimes it does need to be moved once we are on site and that will be at the discretion of the excavator.

Note: Required distances from property lines vary in every community. Most of this information can be obtained when you get your permit. Note any specific code/permit limitations (ex. distance from house, property line, etc.)

Round Pools: Once you have chosen your site, place a screwdriver into the ground at the center of the pool. Secondly, measure a section of string that is half of the diameter of your pool, plus an extra 2'. For example, a 24' pool would require a 14' string. The extra 2' is for the over dig of the pool site. We will need to have a minimum of 2' around the pool to have the room for proper installation. Next, tie one end of the string to the screwdriver, and while pulling the string tight, walk the circumference of the pool and mark it with several stakes or paint.

Oval & Deer Creek Pools: Oval / deer creek pools are done in about the same manner. Keep in mind that due to the side braces on an oval / deer creek pool, the "overdig" requires the dimensions of the pool, plus 2' on the length and 5' on the width. For example, an 18' x 33' oval / deer creek would be staked out at 28' x 37'. Stake out or paint the area as best you can, and the installer will verify and square up the site for you.



So remember these key questions:

- Approximately how far out of level is the pool site (Inches)?
- Are there overhead power lines near the pool site?
- Are there underground utilities?
- Are there any trees or tree stumps near the pool site?
- Do you have a septic system?

Installation Photos

Most homeowners would like to know what their project will look like after installation. Below are some great photos of our installation and what to expect after the project is completed.



This is left over pool sand on the job site. It is more cost saving to order more sand and have a little left over than to order and pay another delivery charge if you don't have enough.



This pool had a very small slope, but you can see how much dirt is left behind. Additional excavation, grading and dirt work is available by bid only, made prior to install date, and paid directly to the excavator.



Some jobs have a little rock in the ground when we dig, so be aware that your yard could have the same. It is important for the bottom of the pool base around the outside to have dirt pushed up around it to help contain the sand.



This is a picture of your pump and filter. Notice the dirt ground after digging out the pool. This is very common, and most homeowners plant seed and straw to grow back the grass after installation, or you can use decorative gravel.



This picture shows where a homeowner asked us to move the dirt to the end of his property. This can be done by paying the excavator directly after the pool is installed. A local bobcat operator can be found to move dirt and grade your yard after the build for an affordable rate.

Installation with an Existing Deck

If you have a partial existing deck around your pool, we can still install a new pool. The illustration below shows what your new pool will look like if your pool size is different and also the up to 24" inch gap that may be left when installing the same size pool. Even when replacing an identical size pool, difference in manufacturers and pool models often vary slightly in dimensions or number of uprights. This can result in the need for a carpenter to modify your deck before or after the installation.



Note: Due to varying conditions involving pool installations beside pre-existing decks, Midnight Sun and/or their installers will not be responsible for precise pool placement, elevation, or joining of pools beside pre-existing decks.

The Midnight Sun installers will attempt to place pool as close as possible to pre-existing deck, but a gap of up to 24 inches may occur. Midnight Sun and their installers are not responsible for any gap up to the 24-inch range.

Steps

The placement of steps (if purchased) into the pool after filling with water is your responsibility (excluding Fiberglass steps). We will leave the steps a few feet away from the pool. The reason for this is you have to wait until the pool is 100% filled, before putting the steps in the pool. Since the homeowner will fill the pool, this is their responsibility to put the steps in the water. Note: we DO NOT install the steps during installation.



Fiberglass



Space Saver

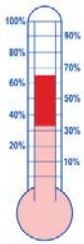


Opera



Filling Instructions

Pool liners are designed to stretch slightly as they fit the pool during filling. Weather conditions and air temperature directly affect the pace in which the filling can be completed. If the pool is filled at night, or too quickly during the day without sunlight reaching the pool, the liner can buckle the wall or pull down causing a sag in the wall pattern. These are not usually structural problems. However, they are unattractive. The installation guarantee does not cover the liner sags or wall buckles caused by improper filling. We have included detailed suggestions below to help prevent these issues from happening.



32-65 Degree Filling:

During the final stages of installation, the installers will begin to fill the pool to seat the liner. They will remove any folds from the packaging and position the liner evenly around the wall and floor. After the installers have left, continue filling the pool until you reach a total of 6 inches. Please do not continue to fill the remainder of the pool for the rest of the day. The following days if weather allows, begin to add 2 to 3 inches of water each day.

Special Instructions:

- A. Only add water on days that direct sunlight is reaching the pool.
- B. Do not add more than 3 inches unless the water is 65 degrees. If it is above 65 degrees and direct sunlight is reaching the pool, do not add more than 6 inches.
- C. Continue this process until you reach a total of 24 inches. After 24 inches you may fill the remainder of the pool. Only add water on the days that have direct sunlight reaching the pool.



65 Degrees & Warmer Filling:

During the final stages of installation, the installers will begin to fill the pool to seat the liner. They will remove the folds from the packaging and position the liner evenly around the wall and floor. After the installers have left, continue filling the pool until direct sunlight is no longer reaching the pool. Please DO NOT continue to fill the pool for the remainder of the day. The following day (if the sun allows), begin to add water as direct sunlight is reaching the pool each day.

Special Instructions:

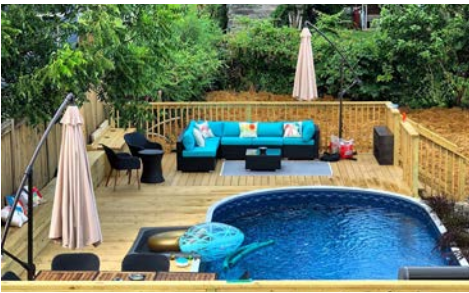
- A. Only add water on days that have direct sunlight reaching the pool.
- B. If the temperature is above 65 degrees and direct sunlight is reaching the pool, you may continue filling the pool until direct sunlight is no longer reaching the pool.
- C. Continue this process until you reach a total of 24 inches. After reaching 24 inches, you may fill the remainder of the pool.

Decking & Landscaping

Designs for Completing Your Pool Build

Wood / Synthetic Deck

1. If you hire a contractor you can expect cost to be \$15-\$30 per foot (cost will vary depending on source)
DIY Cost \$8-\$20 per foot
2. If the pool is buried halfway in the ground, we suggest backfilling with left over dirt.
3. If your pool is half in the ground and half out, make sure there is adequate drainage on the low side.
4. If you purchased capping the wood deck would transition up against it, otherwise, the wood deck could be placed over your pool wall as your capping.
5. Use caution with the placement of the mounting joist against the pool wall as this can cause possible damage.
6. Make sure the filter location allows for easy access under or beside the deck.
7. Be sure to inspect the underside of the pool deck area twice a year for plumbing connections and structural stability.



Hardscape / Paver Stones Deck

1. Consider coping options:
 - a. Stone will require a gravel backfill and a brick footer around perimeter of top of pool. Contractor cost is \$15-\$30 per foot for coping edge.
 - b. A stealth PVC capping can be installed around the pool perimeter allowing hardscapes to transition up against the capping. Capping cost averages \$1000-\$1500.
2. If using pavers, gravel compaction is required. Please see the MFG suggested recommendations. Gravel is approximately \$500-\$700 a load of 20 tons. Depending on pool elevation and slopes it can take several loads. Recommended stone type ¾" washed round rock.
3. Take caution not to damage electrical bonding wire or electrical conduits. Always ensure a licensed electrician is contracted.
4. Take caution not to damage plumbing lines. Backfill by hand until pipes are covered. Always take extreme care operating machinery around the pool edge.
7. Expect that you will have cleanup work to do after the project, as many Stone contractors are not familiar with pool cleanup.



Concrete Deck

1. Always hire a licensed electrician to install grounding halo and lighting conduit.
2. Consider coping options:
 - a. Stone, brick, pavers or cantilever concrete \$15-\$30 per foot
 - b. Cantilever poured coping must be performed by an experienced concrete contractor that has experience with Styrofoam forms.
 - c. Stealth closed PVC capping. \$1000-\$1500
3. Regardless of what type of coping is used, $\frac{3}{4}$ " washed rock will be required for backfill.
4. We highly recommend only using concrete contractors with experience pouring around swimming pools.
5. If attempting to pour your own concrete the cost for concrete is approximately \$2 per foot excluding gravel.
6. If hiring an experienced concrete company to install your deck, this could range between \$6-\$12 per foot depending on total square footage and the type of finish chosen.
7. Expect that you will have cleanup work to do after the project, as many Stone contractors are not familiar with pool cleanup.
8. Take caution when setting forms to pour that the water runs away from the pool edge.
9. Expect some cracks after concrete is poured usually within 2-3 days. Expansion joints every 6'-8' are highly recommended to minimize this from happening in between.



Your backyard will be a construction site until all the decking around your pool is complete. It is not recommended to bring in landscapers or fences contractors until all of these things are complete.

Always check with your local codes and ordinances for correct fencing height, pool alarms, gate latches, and window/door alarms to comply with all of your necessary safety requirements set forth by your city/location.

A good landscaper can generally straighten out your yard and lay sod/seed in a couple of days. Although your backyard might look bad during the construction process it will look beautiful when everybody is done with their part!

Additional Expenses

For services not provided by Midnight Sun

Additional Install Expenses

- Electrical work for pump and filter package
- Sand for the pool bottom
- Water to fill the pool
- Hardscapes / Decking and Landscaping
- Permit if required

Potential Additional Install Expenses

- Rock hammer during the pool dig
- Retaining wall for yards with greater slopes
- Dirt haul off if nowhere to stage dirt
- Rock haul off
- Electrical work to run lighting (In-Ground lighting)
- Gravel buildup for wet, solid rock or unlevel areas
- Backfilling around pool, this should be done after the build, but before the pool is filled
- Survey Fees
- Mileage if further than 40 miles from downtown/centerpoint
- Additional LEVELING over 24"
- Additional SINKING starting at the first inch at \$20 per inch
- Tree or stump removal
- Disassembling of an existing pool
- Moving an existing overhead power line or underground septic/field line
- Additional Plumbing line if pump & filter placement more than the 10 ft.
- Additional electric or gas line possible if purchasing a heater or heat pump
- A sump pump might be needed if there are heavy rains during or shortly after the pool build to remove the excess water around the pool location
- Fence costs
- If unable to access the yard with a concrete truck a concrete pump may be needed

Customer Signature: _____

What to expect on the day of install...



Other Important Information:

Midnight Sun does NOT recommend 'Quick Filling' methods such as water tanker, fire hydrant and/ or multiple hose use. If these methods are the only source of filling available, please do not attempt to fill the pool unless the temp is above 75 degrees and direct sunlight is reaching the pool. Also, please request the lowest level of water pressure is used during the filling.

DO NOT ENTER THE POOL AND/OR STAND ON THE LADDER/STEP SYSTEM BEFORE THE POOL IS COMPLETELY FULL OR THE SAND BOTTOM WILL BE COMPROMISED. (I.E. FOOTPRINTS, HEEL INDENTIONS, ETC.). THE INSTALLATION GUARANTEE DOES NOT COVER THESE OCCURRENCES.

LINER DAMAGE CAUSED BY NUTGRASS, INSECTS, NEGLECT, WATER CHEMISTRY, SAND WASHOUT FROM IMPROPER BACKFILL, MOLES, CRAWDADS, OR ACTS OF GOD ARE NOT COVERED UNDER ANY WARRANTY.

**YOU ARE NOW READY TO ENJOY THE SUMMER IN
THE SAFETY AND COMFORT OF YOUR VERY OWN POOL!**



On behalf of everyone at Midnight Sun, we would like to take a moment to thank you for choosing us to be your swimming pool installer. The building of a Stealth swimming pool can be an exciting and quick process.

For any future service or operational needs, please contact us at the numbers listed below:

Bemidji, MN (218) 759-8518

Brainerd, MN (218) 833-1000

Website: www.mnspas.com