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Electrical Guidelines For Outdoor Spa/Hot Tub

- 1- A GFCI protect convenience receptacle is needed 6' to 20' from the hot tub and should be connected to a general-purpose circuit. It must have an in-use cover if installed in a wet location. All receptacles 6' to 20' from the hot tub shall have GFCI protection.
- 2- No receptacles are allowed within 6' of the hot tub.
- 3- Conduit for the hot tub shall have a minimum cover of 18" of dirt or fill on top of the conduit.
- 4- The hot tub feed wires shall be individual conductors in rigid conduit (PVC or GRC.) If there is a light in the hot tub, this conduit must go to the electrical panel.
- 5- The hot tub motor must be bonded to the hot tub with a #8 solid copper wire.
- 6- There must be a power disconnect switch no closer than 5 feet but within sight of the hot tub.
- 7- If a new sub-panel is installed to supply power to the hot tub, it must have feeders that are run in conduit with an insulated ground wire.
- 8- No overhead lines can be within 10' horizontally of the walls of the hot tub. There are also other restrictions to the height of wires which may apply.
- 9- Bonding – An equipotential plane is not required if the hot tub is listed for above ground use and NOT listed for indoor use only and the top rim of the hot tub is at least 28" above finished grade. Please consult IRC Section 4204.2.2 exception 1 for specific details. If an equipotential plane is required, it may be a #8 bare solid copper conductor run around the perimeter of the hot tub. It must be 18"-24" from the water's edge and 4"-6" below grade. This must be attached to the hot tub in four locations. The pump, water and any other metal within 5' of the hot tub must also be bonded to the equipotential plane. Bonding connections shall be stainless steel, brass, copper or copper alloy.

GFCI = Ground Fault Circuit Interrupter

Please note: These are guidelines to help. ALL current codes and regulations must be followed, even if not listed on this sheet.

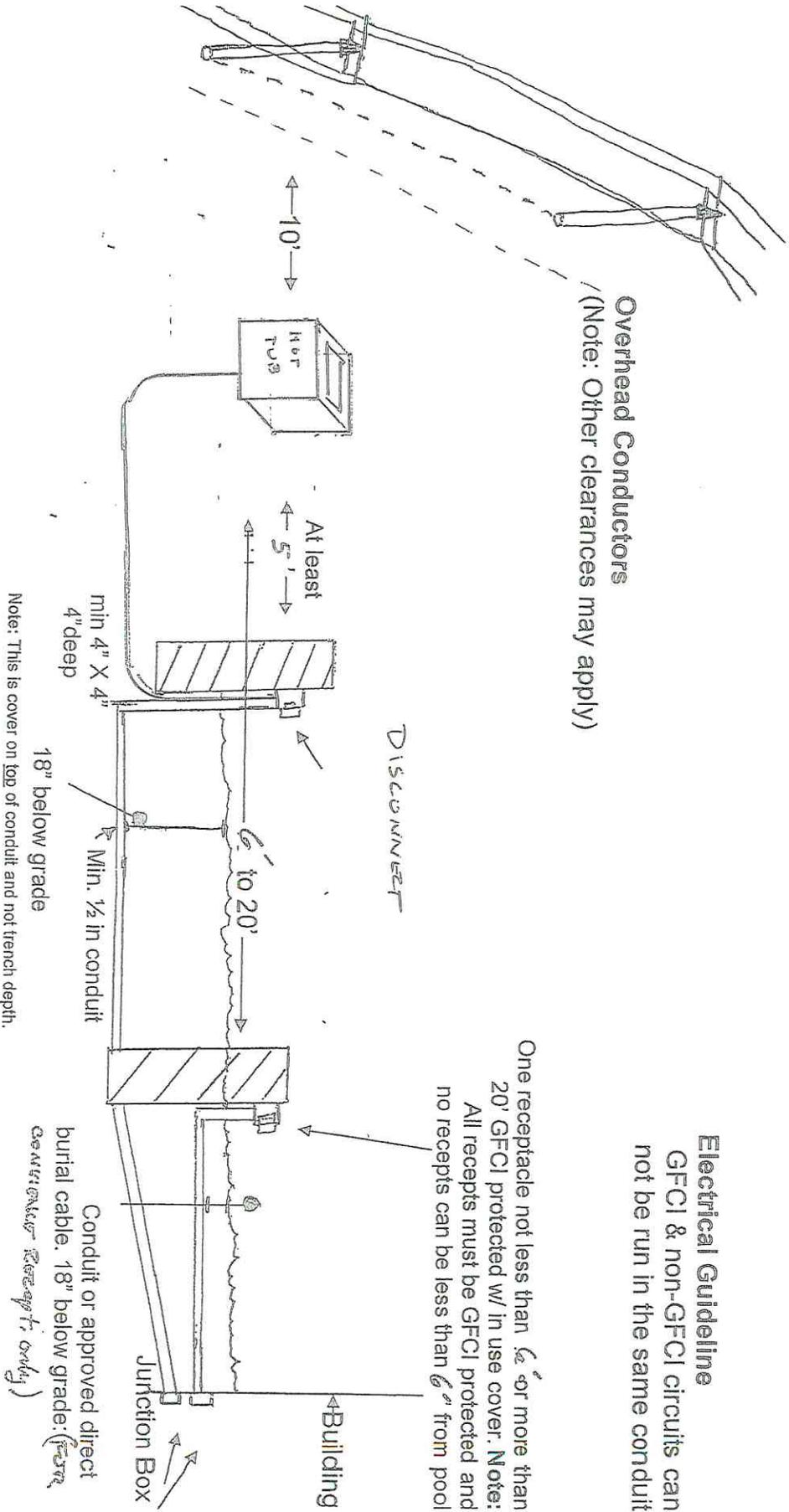
Note: This drawing is intended to aid in the wiring of your SPA. It is not a guarantee that the inspection will pass or relieve you of complying with the applicable codes or local ordinances

SPA/HOT TUB

Electrical Guideline
 GFCI & non-GFCI circuits can not be run in the same conduit

One receptacle not less than 6' or more than 20' GFCI protected w/ in use cover. **Note:** All receipts must be GFCI protected and no receipts can be less than 6' from pool

Overhead Conductors
 (Note: Other clearances may apply)



Note: This is cover on top of conduit and not trench depth.