



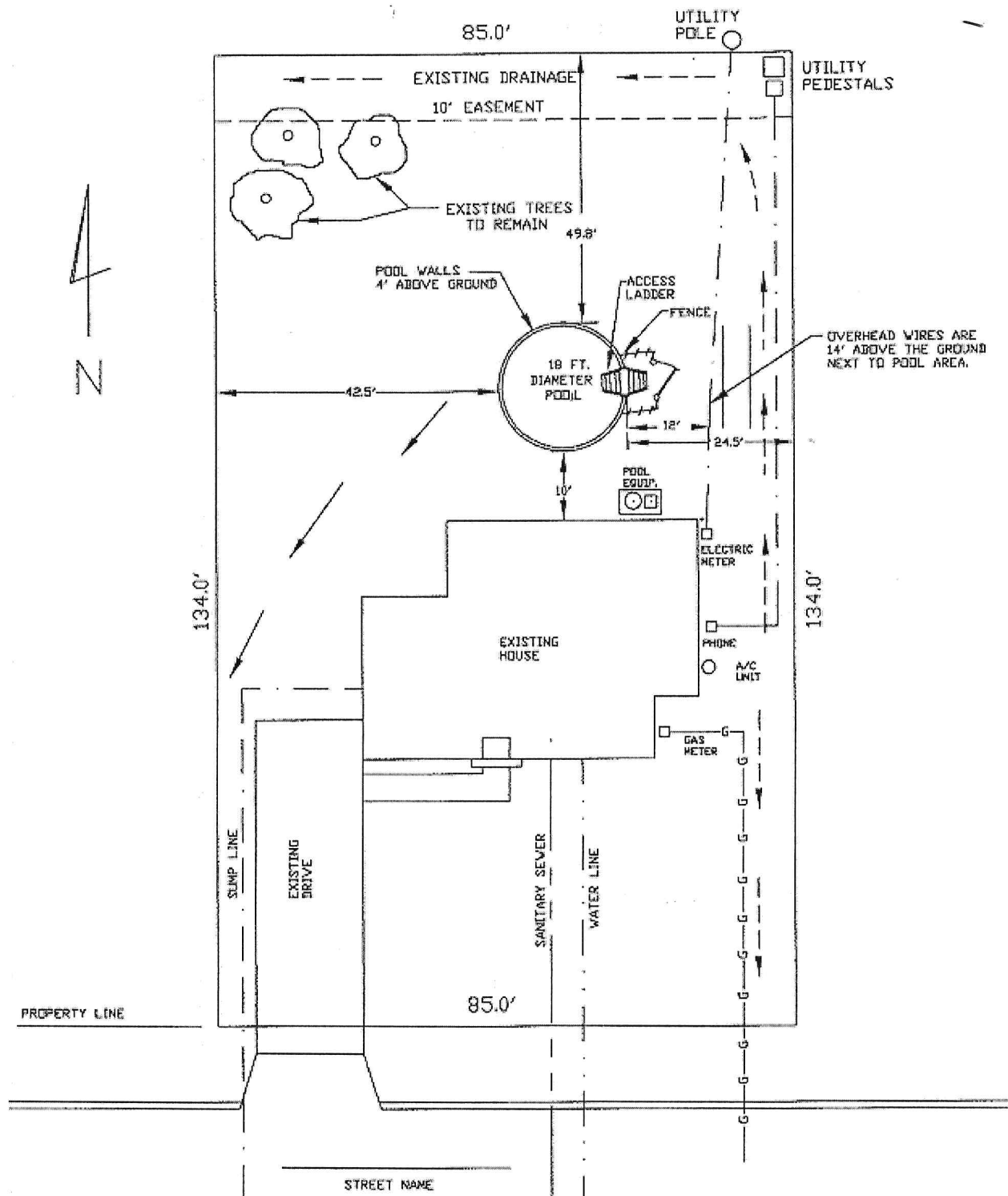
RESIDENTIAL SWIMMING POOL APPLICATION CHECKLIST

***** WORK MAY NOT BEGIN UNTIL PERMIT IS ISSUED *****

Site Plan - Dimensions	<ul style="list-style-type: none"><input type="checkbox"/> Indicate location and dimensions of the proposed swimming pool and ALL structures on the lot.<input type="checkbox"/> Indicate the distance from the water's edge to all property lines, fence, easements and buildings.<input type="checkbox"/> Swimming pool must be placed at least 6 ft. from property line.<input type="checkbox"/> Provide dimensions from pool to fence or barrier, if required.<input type="checkbox"/> Swimming pool must be placed at least 10 ft. from any other building on the property.
Site Plan - Electrical	<ul style="list-style-type: none"><input type="checkbox"/> Electrical equipment, including power-supply cords, used with storable pools shall be protected by ground-fault circuit-interrupters.<input type="checkbox"/> A 125-volt, 15- and 20-ampere receptacles located between 6 feet and 20 feet (6096 mm) of the inside walls of the pool shall be protected by a ground-fault circuit interrupter. In determining these dimensions, the distance to be measured shall be the shortest path that the supply cord of an appliance connected to the receptacle would follow without passing through a floor, wall, ceiling, doorway with hinges or sliding door, window opening, or other effective permanent barrier.<input type="checkbox"/> Show the location of all overhead wires. Include the distance between the wires and the water's edge; the height of the wires above the ground, deck, patio or other walking surface below the wire.<input type="checkbox"/> Please review the City of Sturgis Electric Department requirements for all wiring
* The Community Development Department may furnish a blank Site Plan upon request.	
Building Permit Application	<ul style="list-style-type: none"><input type="checkbox"/> Completed and signed application with estimated cost of construction.
Flags or Markings	<ul style="list-style-type: none"><input type="checkbox"/> Use flags or markings to indicate to 4 outermost points of the proposed pool. You may use string or paint in addition to the flags.

Pools Less Than 48" In Height	<p>Depths are based on side wall measurements, not depth of water.</p> <ul style="list-style-type: none"> <input type="checkbox"/> Must have 48" fence/barrier. <input type="checkbox"/> Show the location of all fencing and gates on site plan. <input type="checkbox"/> Indicate type and height of fencing on Building Permit application. <input type="checkbox"/> Access gates shall open outward away from the pool or spa, shall be self-closing and shall have a self-latching device. <input type="checkbox"/> Double gates or multiple gates shall have at least one leaf secured in place and the adjacent leaf shall be secured with a self-latching device. The gate and barrier shall not have openings larger than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the latch release mechanism. The self-latching device shall comply with the requirements of Section 305.3.3. <input type="checkbox"/> Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from grade, the release mechanism shall be located on the pool or spa side of the gate not less than 3 inches (76 mm) below the top of the gate, and the gate and barrier shall not have openings greater than 1/2 inch (12.7 mm) within 18 inches (457 mm) of the release mechanism. <input type="checkbox"/> Where a wall of a dwelling or structure serves as part of the barrier and where doors or windows provide direct access to the pool or spa through that wall, one of the following shall be required: alarms on windows and doors with direct access to the pool (must meet UL2017). Please provide information regarding alarms that will be installed.
Additional Information Needed	<ul style="list-style-type: none"> <input type="checkbox"/> Indicate on application the dimensions of the proposed swimming pool (Width and Height); provide manufacturer specifications and guidelines for pool installation. <input type="checkbox"/> Ladder Information (what type of ladder will be used); provide the manufacturer specifications and details for the ladder. <input type="checkbox"/> Ladder must be removable or lockable to disallow access when not in use.
Application Fee - To be determined	<ul style="list-style-type: none"> <input type="checkbox"/> Please see Fee Schedule on back of Building Permit Application* <p>* Please note, a Plan Review fee will be assessed on permits for swimming pools in addition to the Building Permit fee.</p>
When Permit is Ready	<ul style="list-style-type: none"> • Once the Building Permit application has been processed and the Building Permit has been issued, the <i>Permit Applicant</i> will be notified that the Building Permit has been approved and is ready for payment. • Permits will not be issued until fees are collected. • Permit fees may be paid by check or cash. • Permits that have no activity within 6 months of the issuance date may be canceled.
Inspections	<ul style="list-style-type: none"> • Inspections will be detailed as part of the building permit.

This checklist is based on the 2015 Michigan Residential Code, 2015 International Pool and Spa Code and the City of Sturgis Code of Ordinances. There may be additional requirements not included as part of this document. During the review process, you will be notified of any further information necessary to permit your pool project.



SAMPLE PLOT PLAN

PRIVATE ABOVE GROUND POOL.

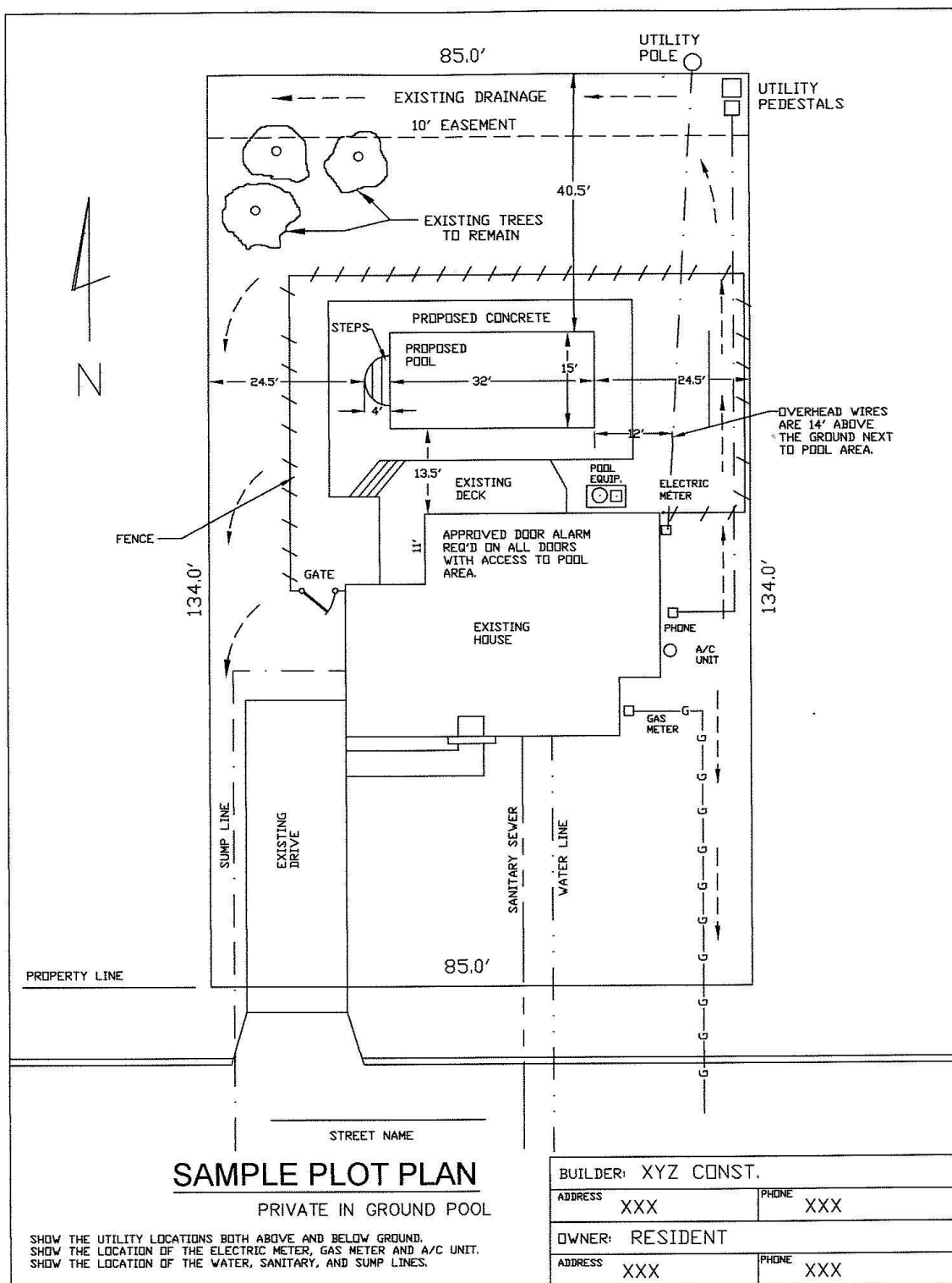
SHOW THE UTILITY LOCATIONS BOTH ABOVE AND BELOW GROUND.
SHOW THE LOCATION OF THE ELECTRIC METER, GAS METER AND A/C UNIT.
SHOW THE LOCATION OF THE WATER, SANITARY, AND SUMP LINES.

BUILDER: XYZ CONST.

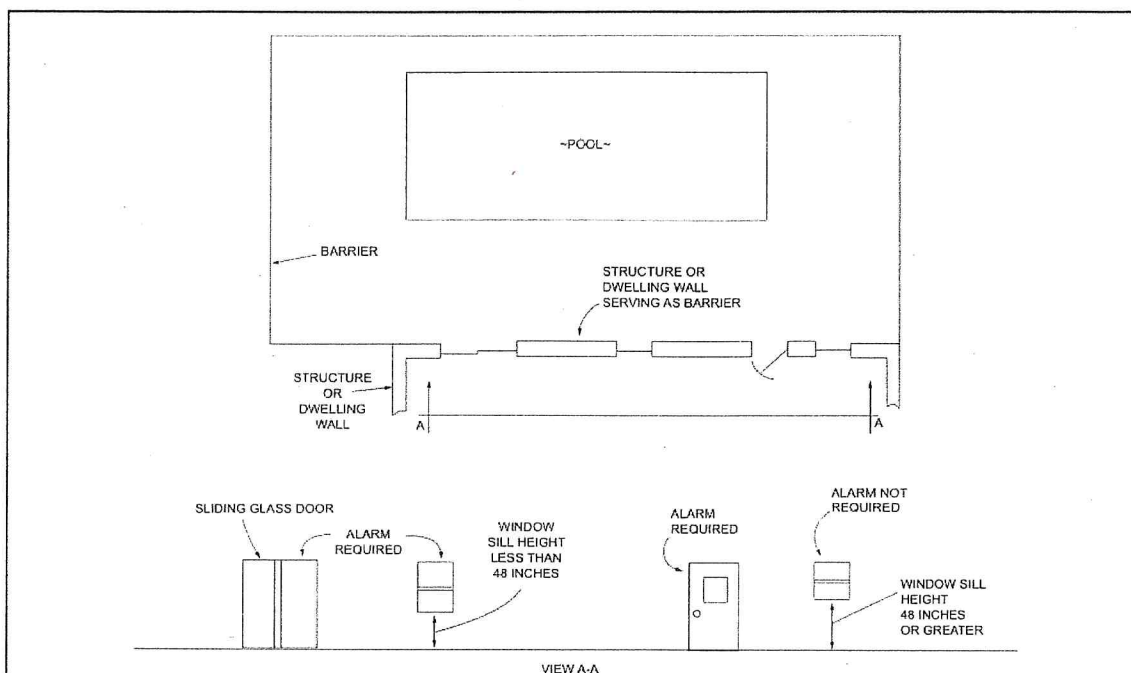
ADDRESS XXX PHONE XXX

OWNER: RESIDENT

ADDRESS XXX PHONE XXX

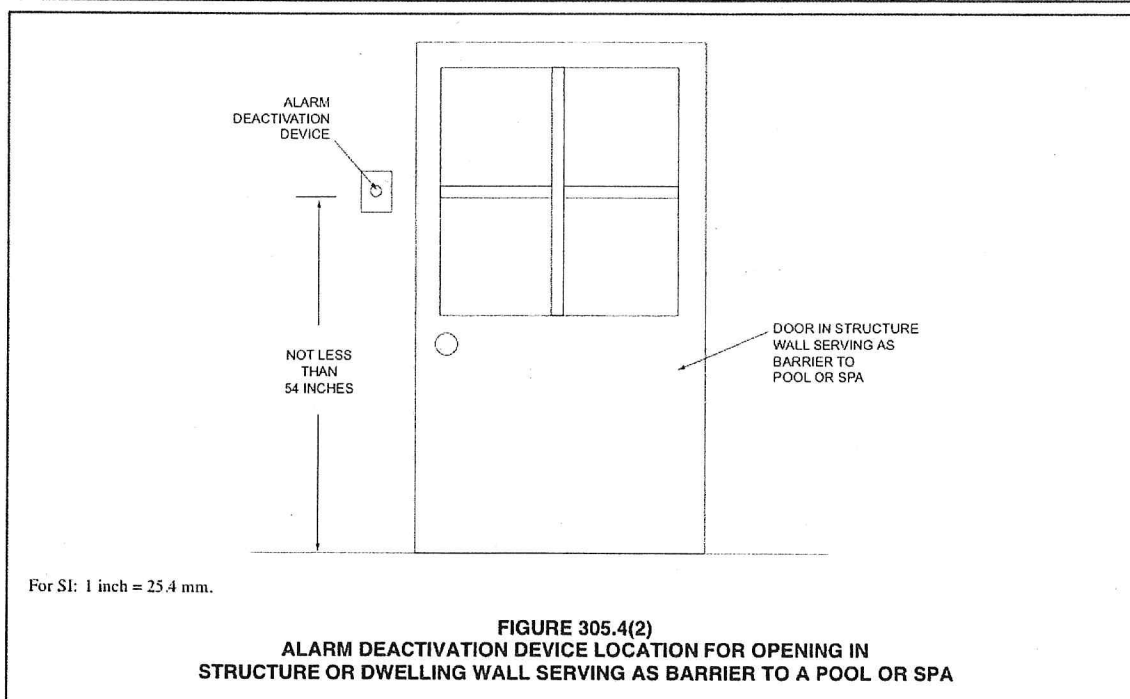


GENERAL COMPLIANCE



For SI: 1 inch = 25.4 mm.

FIGURE 305.4(1)
STRUCTURE OR DWELLING WALL SERVING AS A BARRIER TO A POOL OR SPA



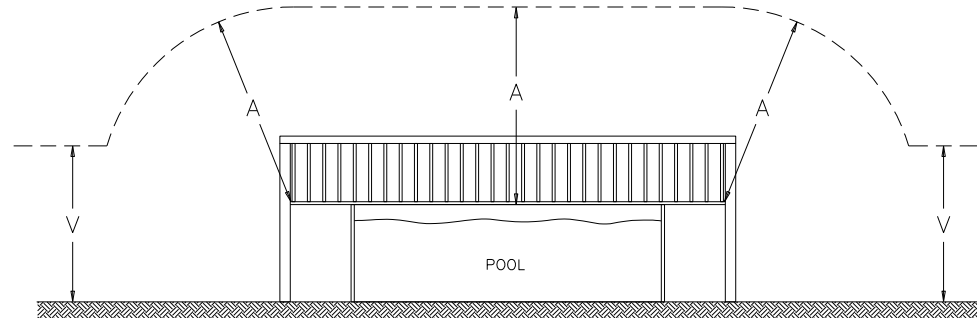
For SI: 1 inch = 25.4 mm.

FIGURE 305.4(2)
ALARM DEACTIVATION DEVICE LOCATION FOR OPENING IN
STRUCTURE OR DWELLING WALL SERVING AS BARRIER TO A POOL OR SPA

NOTES:

- ① ANCHORS AND GUYS REQUIRE MINIMUM CLEARANCE EQUAL TO THAT OF THE HIGHEST VOLTAGE CONDUCTOR ON THE UTILITY POLE IT IS SUPPORTING.

EXCEPTION: IF THE GUY IS GROUND THE CLEARANCE LISTED IN NEUTRAL CONDUCTOR COLUMN IS THE REQUIRED MINIMUM.
- ② CLEARANCES APPLY TO ALL ABOVE AND BELOW GROUND POOLS, HOT TUBS AND SPAS REGARDLESS OF SHAPE.
- ③ UNDERGROUND SUPPLY CABLE SHALL HAVE A MINIMUM HORIZONTAL CLEARANCE OF 5FT FROM THE POOL OR ITS AUXILIARY EQUIPMENT PER NESC 351 C1.



NOTE: Required clearance is maintained from the highest point of the installation upon which people can stand.

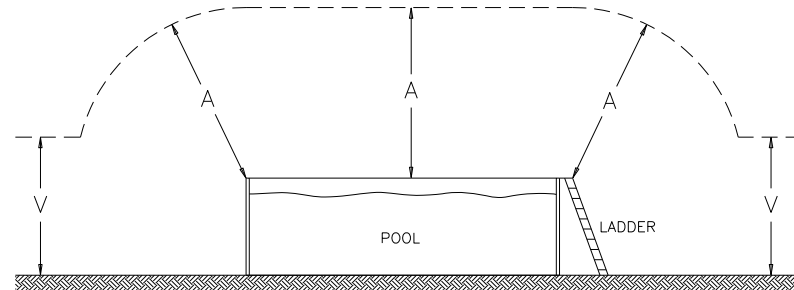
ABOVEGROUND SWIMMING POOL WITH DECK

MINIMUM ELECTRICAL CLEARANCES FOR SWIMMING POOLS, HOT TUBS, AND SPAS

	NESC TABLE 234-3 & NESC RULE 234E 2017 EDITION UNLESS NOTED	INSULATED COMMUNICATION CABLES, GUYS, & NEUTRAL CONDUCTORS	OVERHEAD SECONDARY SUPPLY CABLES 0-750V	OVERHEAD PRIMARY DISTRIBUTION CABLES 750-22KV	OVERHEAD PRIMARY TRANSMISSION CABLES 69KV
A	CLEARANCE IN ANY DIRECTION FROM WATER LEVEL, EDGE, OR BASE OF DIVING PLATFORM	22 FT	23 FT	25 FT	25.6 FT
V	VERTICAL CLEARANCE OVER ADJACENT LAND NESC TABLE 232-1	15.5 FT	16.5 FT	18.5 FT	19.1 FT

ALL VERTICAL CLEARANCES ARE REQUIRED AT LARGEST FINAL SAG CREATED BY THE FOLLOWING:

- a. 120°F (CONDUCTOR TEMP), NO WIND DISPLACEMENT, FINAL SAG.
- b. MAX CONDUCTOR TEMP IF GREATER THAN 120°F, NO WIND DISPLACEMENT
- c. 32°F, NO WIND DISPLACEMENT, FINAL SAG WITH 0.5" RADIAL ICE THICKNESS.



NOTE: Required clearance is maintained from the highest point of the installation upon which people can stand.

ABOVEGROUND SWIMMING POOL WITHOUT DECK

See Sht. 2 of 2 for below ground pools.

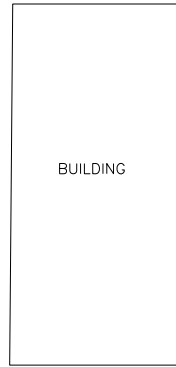


TITLE SWIMMING POOL CLEARANCES CITY OF STURGIS ELECTRIC 130 N. NOTTAWA ST., STURGIS, MI 49091	DATE 08/05/2020	JOB NO
	DR KPI	SKETCH NO
	CK SGH	Sht. 1 of 2

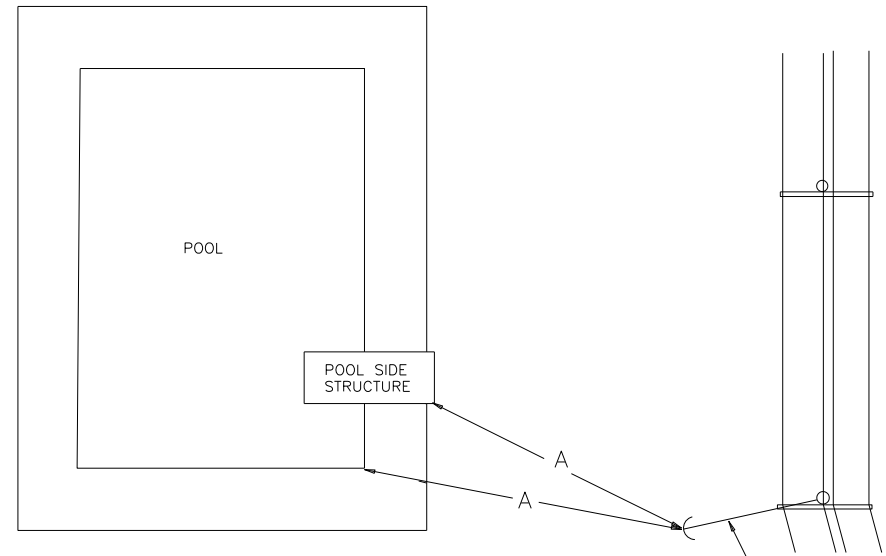
NOTES:

- ① ANCHORS AND GUYS REQUIRE MINIMUM CLEARANCE EQUAL TO THAT OF THE HIGHEST VOLTAGE CONDUCTOR ON THE UTILITY POLE IT IS SUPPORTING.

EXCEPTION: IF THE GUY IS GROUNDED THE CLEARANCE LISTED IN NEUTRAL CONDUCTOR COLUMN IS THE REQUIRED MINIMUM.
- ② CLEARANCES APPLY TO ALL ABOVE AND BELOW GROUND POOLS, HOT TUBS AND SPAS REGARDLESS OF SHAPE.
- ③ UNDERGROUND SUPPLY CABLE SHALL HAVE A MINIMUM HORIZONTAL CLEARANCE OF 5FT FROM THE POOL OR ITS AUXILIARY EQUIPMENT PER NESC 351 C1.



BUILDING

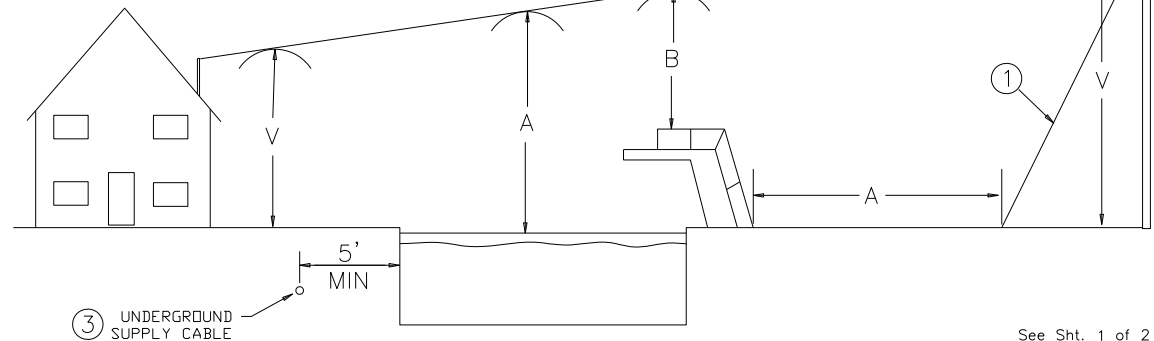


MINIMUM ELECTRICAL CLEARANCES FOR SWIMMING POOLS, HOT TUBS, AND SPAS

NESC TABLE 234-3 & NESC RULE 234E 2017 EDITION UNLESS NOTED	INSULATED COMMUNICATION CABLES, GUYS, & NEUTRAL CONDUCTORS	OVERHEAD SECONDARY SUPPLY CABLES 0-750V	OVERHEAD PRIMARY DISTRIBUTION CABLES 750-22KV	OVERHEAD PRIMARY TRANSMISSION CABLES 69KV
A CLEARANCE IN ANY DIRECTION FROM WATER LEVEL, EDGE, OR BASE OF DIVING PLATFORM	22 FT	23 FT	25 FT	25.6 FT
B CLEARANCE IN ANY DIRECTION FROM DIVING PLATFORM SLIDE OR TOWER	14 FT	15 FT	17 FT	17.6 FT
V VERTICAL CLEARANCE OVER ADJACENT LAND NESC TABLE 232-1	15.5 FT	16.5 FT	18.5 FT	19.1 FT

ALL VERTICAL CLEARANCES ARE REQUIRED AT LARGEST FINAL SAG CREATED BY THE FOLLOWING:

- a. 120°F (CONDUCTOR TEMP), NO WIND DISPLACEMENT, FINAL SAG.
- b. MAX CONDUCTOR TEMP IF GREATER THAN 120°F, NO WIND DISPLACEMENT
- c. 32°F, NO WIND DISPLACEMENT, FINAL SAG WITH 0.5" RADIAL ICE THICKNESS.



BELOW GROUND POOL

See Sht. 1 of 2 for aboveground pools.



TITLE	SWIMMING POOL CLEARANCES	DATE	07/28/2020	JOB NO
	CITY OF STURGIS ELECTRIC	DR	COS	SKETCH NO
	130 N. NOTTAWA ST., STURGIS, MI 49091	CK	COS	Sht. 2 of 2