



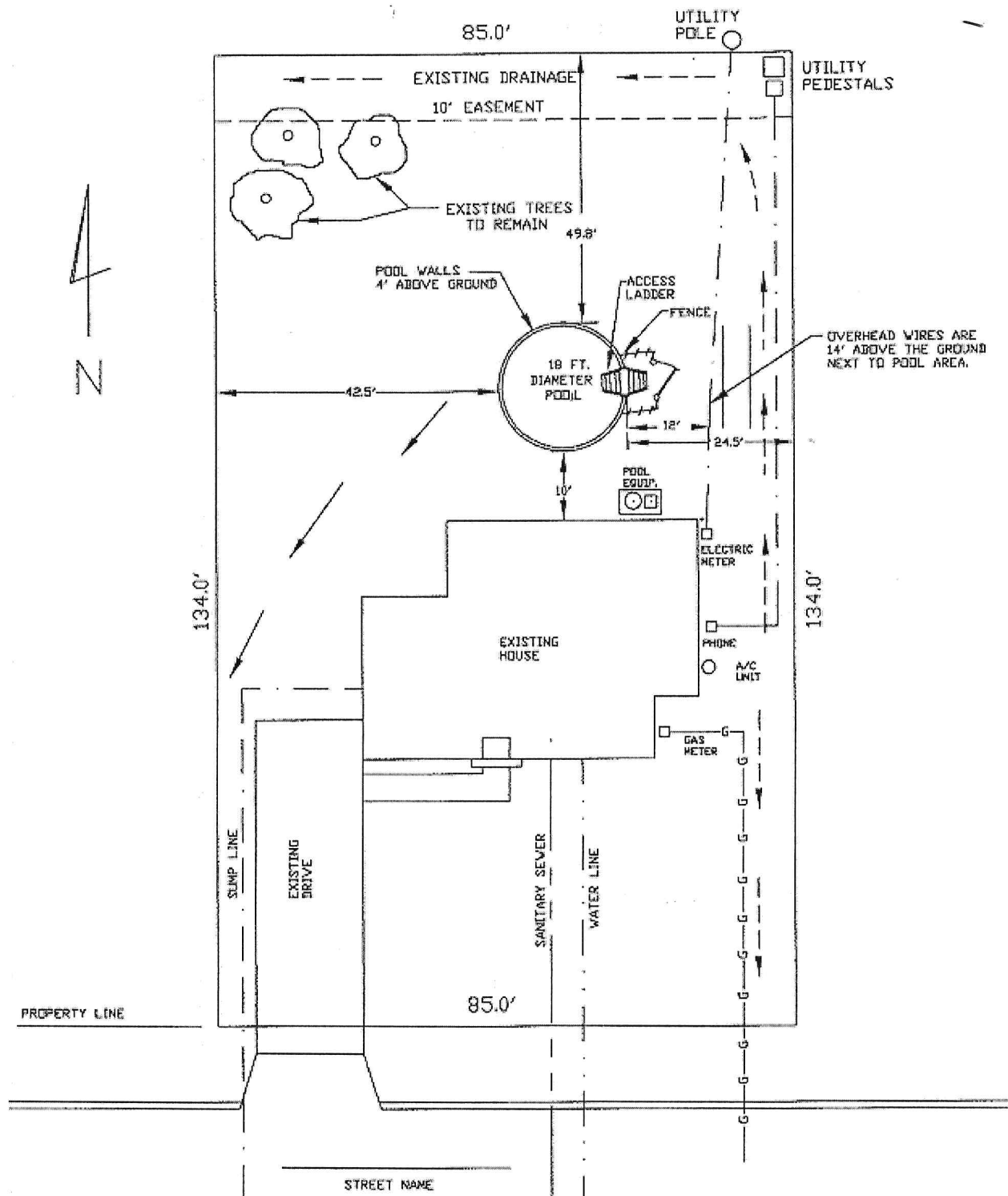
## RESIDENTIAL SWIMMING POOL APPLICATION CHECKLIST

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

Site Plan - Dimensions	<ul style="list-style-type: none"><li><input type="checkbox"/> Indicate location and dimensions of the proposed swimming pool and ALL structures on the lot.</li><li><input type="checkbox"/> Indicate the distance from the water's edge to all property lines, fence, easements and buildings.</li><li><input type="checkbox"/> Swimming pool must be placed at least 6 ft. from property line.</li><li><input type="checkbox"/> Provide dimensions from pool to fence or barrier, if required.</li><li><input type="checkbox"/> Swimming pool must be placed at least 10 ft. from any other building on the property.</li></ul>
Site Plan - Electrical	<ul style="list-style-type: none"><li><input type="checkbox"/> Electrical equipment, including power-supply cords, used with storable pools shall be protected by ground-fault circuit-interrupters.</li><li><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.</li><li><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.</li><li><input type="checkbox"/> Please review the City of Sturgis Electric Department requirements for all wiring</li></ul>
* The Community Development Department may furnish a blank Site Plan upon request.	
Building Permit Application	<ul style="list-style-type: none"><li><input type="checkbox"/> Completed and signed application with estimated cost of construction.</li></ul>
Flags or Markings	<ul style="list-style-type: none"><li><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.</li></ul>

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"> <li><input type="checkbox"/> Must have 48" fence/barrier (ISPSC 305.5)</li> <li><input type="checkbox"/> Show the location of all fencing and gates on site plan.</li> <li><input type="checkbox"/> Indicate type and height of fencing on Building Permit application.</li> <li><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.</li> <li><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. (ISPSC 305.3.2)</li> <li><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. (ISPSC 305.3.3)</li> <li><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. (ISPSC 305.4)</li> </ul>
Additional Information Needed	<ul style="list-style-type: none"> <li><input type="checkbox"/> Indicate on application the dimensions of the proposed swimming pool (Width and Height); provide manufacturer specifications and guidelines for pool installation.</li> <li><input type="checkbox"/> Ladder Information (what type of ladder will be used); provide the manufacturer specifications and details for the ladder.</li> <li><input type="checkbox"/> Ladder must be removable or lockable to disallow access when not in use.</li> </ul>
Application Fee - To be determined	<ul style="list-style-type: none"> <li><input type="checkbox"/> Please see Fee Schedule on back of Building Permit Application*</li> </ul> <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"> <li>• 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.</li> <li>• Permits will not be issued until fees are collected.</li> <li>• Permit fees may be paid by check or cash.</li> <li>• Permits that have no activity within 6 months of the issuance date may be canceled.</li> </ul>
Inspections	<ul style="list-style-type: none"> <li>• Inspections will be detailed as part of the building permit.</li> </ul>

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.

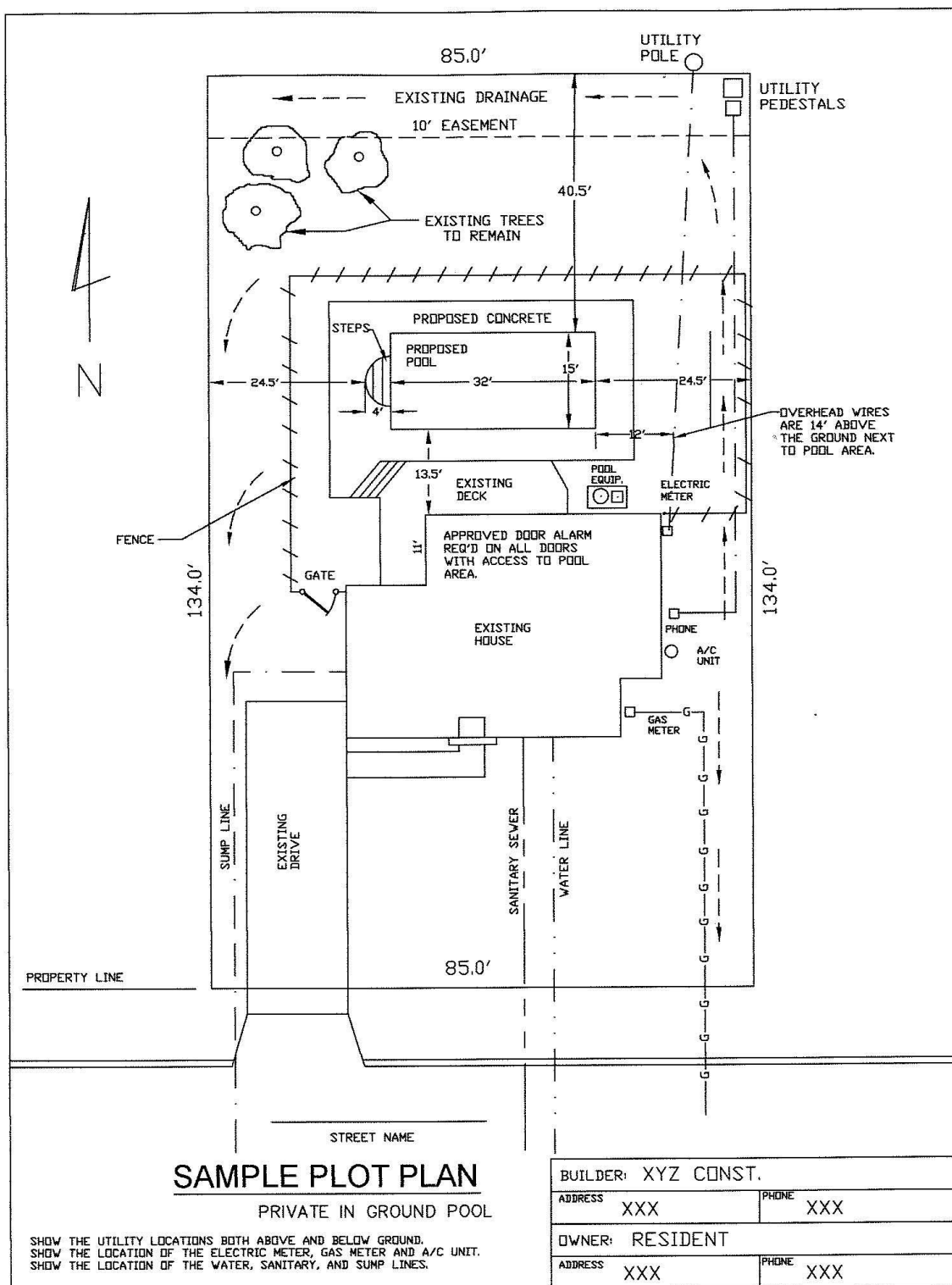
SHOW THE UTILITY LOCATIONS BOTH ABOVE AND BELOW GROUND.  
SHOW THE LOCATION OF THE ELECTRIC METER, GAS METER AND A/C UNIT.  
SHOW THE LOCATION OF THE WATER, SANITARY, AND SUMP LINES.

BUILDER: XYZ CONST.

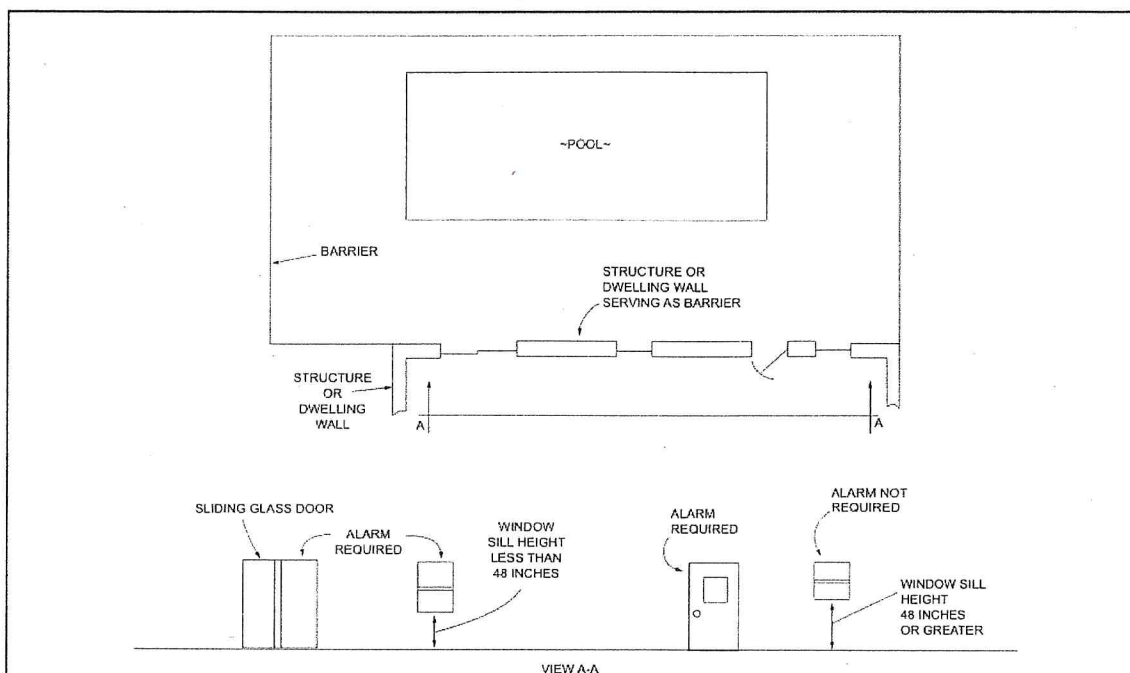
ADDRESS XXX PHONE XXX

OWNER: RESIDENT

ADDRESS XXX PHONE XXX

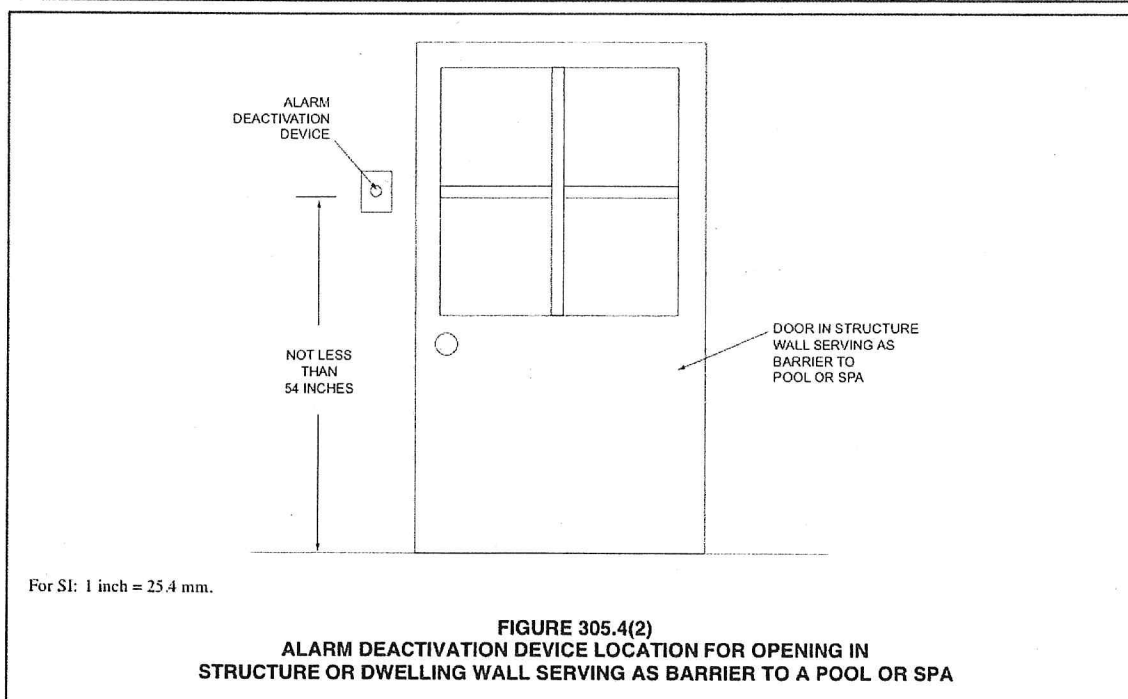


## GENERAL COMPLIANCE



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:

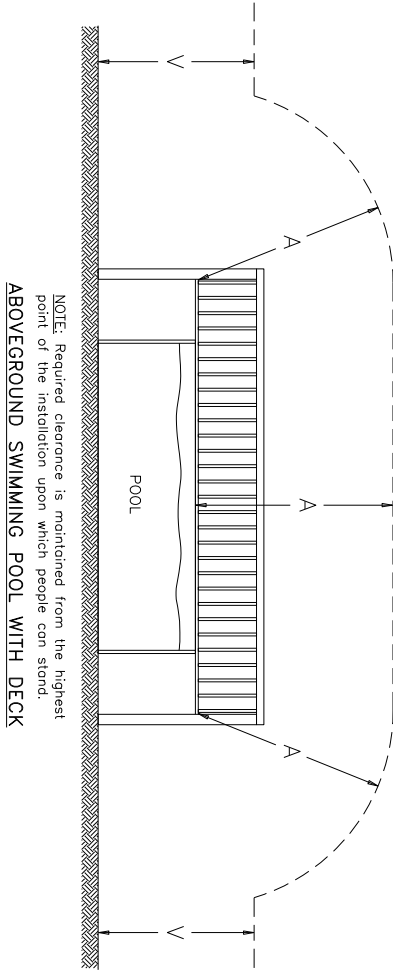
- 1 ANCHORS AND GUYS REQUIRE MINIMUM CLEARANCE EQUAL TO THAT OF THE HIGHEST VOLTAGE CONDUCTOR ON THE UTILITY POLE IT IS SUPPORTING.  
EXCEPTION: IF THE GUY IS GROUNDING THE CLEARANCE LISTED IN NEUTRAL CONDUCTOR COLUMN IS THE REQUIRED MINIMUM.
- 2 CLEARANCES APPLY TO ALL ABOVE AND BELOW GROUND POOLS, 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.

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

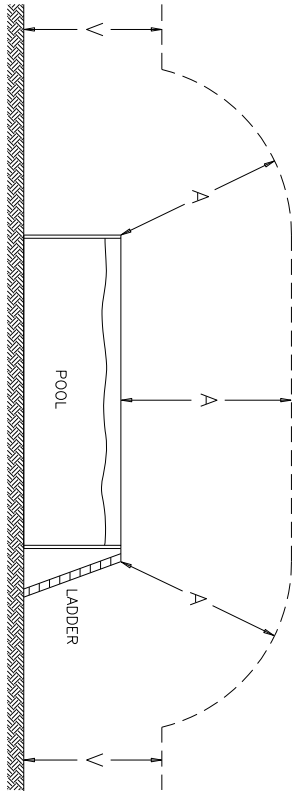
NESC TABLE 234-3 & NESC RULE 234E 2017 EDITION UNLESS NOTED	INSULATED COMMUNICATION CABLES, GUYS, & NEUTRAL CONDUCTORS	OVERHEAD SECONDARY SUPPLY CABLES 0-750V	OVERHEAD PRIMARY DISTRIBUTION CABLES 750-22KV	OVERHEAD PRIMARY TRANSMISSION CABLES 69KV
A CLEARANCE IN ANY DIRECTION FROM WATER LEVEL, EDGE, OR 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. 120F (CONDUCTOR TEMP), NO WIND DISPLACEMENT, FINAL SAG.
- b. MAX CONDUCTOR TEMP IF GREATER THAN 120F, NO WIND DISPLACEMENT
- c. 32F, NO WIND DISPLACEMENT, FINAL SAG WITH 0.5" RADIAL ICE THICKNESS.



ABOVEGROUND SWIMMING POOL WITH DECK



ABOVEGROUND SWIMMING POOL WITHOUT DECK

See Sht. 2 of 2 for below ground pools.



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

NOTES:

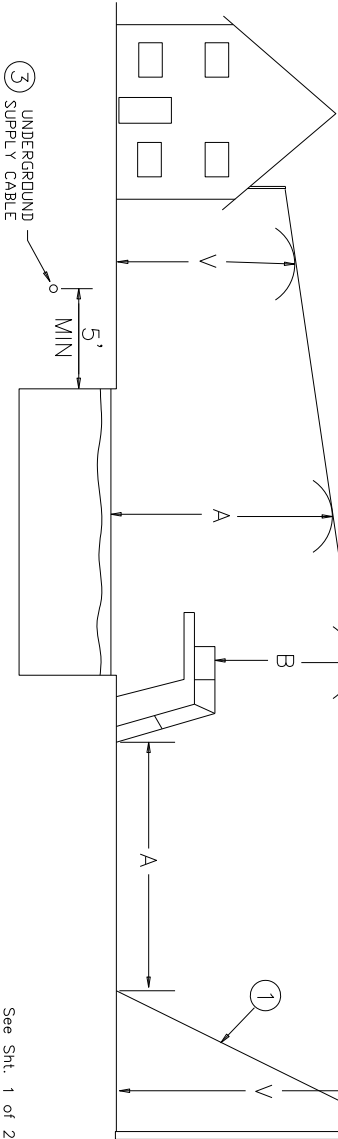
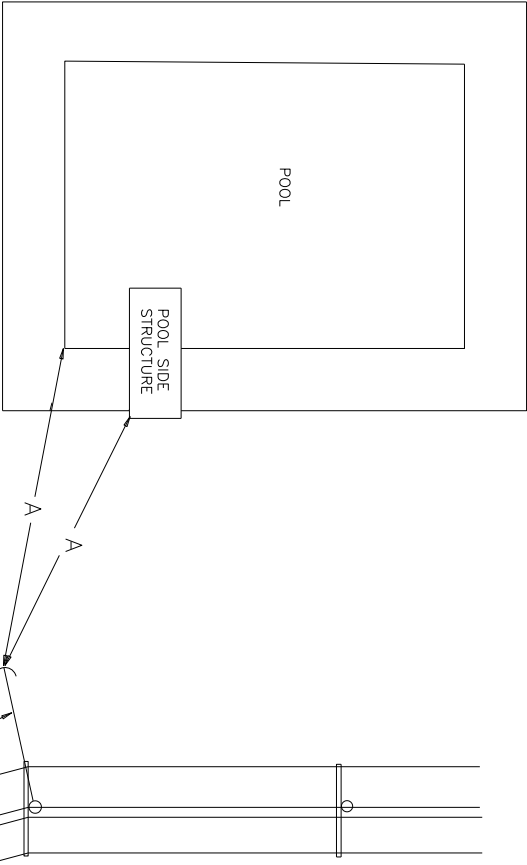
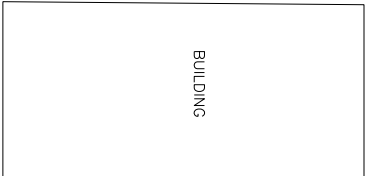
- 1 ANCHORS AND GUYS REQUIRE MINIMUM CLEARANCE EQUAL TO THAT OF THE HIGHEST VOLTAGE CONDUCTOR ON THE UTILITY POLE IT IS SUPPORTING.  
EXCEPTION: IF THE GUY IS GROUNDED THE CLEARANCE LISTED IN NEUTRAL CONDUCTOR COLUMN IS THE REQUIRED MINIMUM.
- 2 CLEARANCES APPLY TO ALL ABOVE AND BELOW GROUND POOLS, HOT 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.

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

**City of Sturgis**  
**RESIDENTIAL Building Permit Application**  
**130 N. Nottawa Street, Sturgis, MI 49091**  
**Telephone: 269-659-7230 Fax: 269-659-7295**  
**Inspections: Monday-Friday from 10:00 a.m. to 4:00 p.m.**  
**Must schedule 24 hours in advance**



**COMMUNITY  
DEVELOPMENT**  
*Professional. Thorough. Responsive.*

Please Note: Incomplete applications will be returned and not processed.

### Applicant Information/Job Location

Applicant Name	Applicant Phone Number	Date of Application
Street Address of Job Location (Street No. & Name)	Rental Property? <input type="checkbox"/> Yes <input type="checkbox"/> No	

### Homeowner Information

Name				
Address (Street No. & Name)		City	State	Zip Code
Home Phone	Mobile Phone	Email Address		

### Type of Project

Plans must be submitted before a permit can be issued, if required.

- |   |   |                                       |   |
|---|---|---------------------------------------|---|
| <input type="checkbox"/> Fence                  | <input type="checkbox"/> Deck                       | <input type="checkbox"/> New Building | <input type="checkbox"/> Footing/Foundation |
| <input type="checkbox"/> Driveway               | <input type="checkbox"/> Accessory Structure (Shed) | <input type="checkbox"/> Alteration   | <input type="checkbox"/> Demolition         |
| <input type="checkbox"/> Swimming Pool          | <input type="checkbox"/> Roofing                    | <input type="checkbox"/> Addition     | <input type="checkbox"/> Change of Use      |
| <input type="checkbox"/> Siding                 | <input type="checkbox"/> Complete Tear-off          | <input type="checkbox"/> Repair       |   |
| <input type="checkbox"/> Other (Describe) _____ | <input type="checkbox"/> Overlay                    |                                       |   |

BRIEF DESCRIPTION OF PROJECT: \_\_\_\_\_

IF ROOFING, PROVIDE NUMBER OF TOTAL SQUARE FEET:  SQ. FT.	<b>ROOFING ONLY: I HAVE READ THE 2015 INTERNATIONAL RESIDENTIAL CODE R905.1.2 AND AGREE TO INSTALL ICE AND WATER SHIELD &amp; UNDERLAYMENT TO 2015 RESIDENTIAL BUILDING CODE.</b>  SIGNATURE: _____
---	---

For Accessory Structure Permitting, please complete the following:

Proposed Size of Structure ft. X ft.	Proposed Height of Structure ft.	# of Existing Accessory Structures on Property
---	-------------------------------------	--

### Cost of Project (Not including mechanical, electrical or plumbing)

Estimated Cost of Project (Required) \$

### Contractor/Architect/Engineer Information

Work to be completed by Property Owner? <input type="checkbox"/> Yes <input type="checkbox"/> No: If No, the following section must be completed.				
Name of Owner of Company		License #	Expiration Date	
Address (Street No. & Name)		City	State	Zip Code
Phone Number	Mobile Phone	Fax Number	Email Address	
Federal ID #	Workers Compensation #	MESC Employer #		

A copy of Michigan Builders License and insurance certificate must be provided to the City of Sturgis.



**Payment of permit fee constitutes acceptance of the following terms:**

I agree the application is only for the work described, and does not grant permission for additional work which requires separate permits. I understand that this application is to be completed by the applicant and submitted with the building plans, specifications and site plan requirements. Upon submittal of complete plans the application will be reviewed within thirty (30) working days.

It is the responsibility of the permit holder to make arrangements for all required inspections. Failure to do so is in violation of the Michigan Residential Codes and will result in a civil infraction citation of not less than \$250, nor greater than \$500 per day, for each day the violation continues. Property owners are to understand that in case of any violation of the Building Codes, they, (the property owner), may be fined as well as the contractor.

The issued building permit will expire and become null and void if work is not started within 180 days, or if work is suspended or abandoned for a period of 180 days at any time after work has commenced. The applicant will be responsible for assuring all required inspections are requested in conformance with applicable code.

Applications lacking complete owner information, contractor information, and/or registration information will be returned.

I understand that if this is a rental property, all work (building, mechanical, electrical or plumbing) must be completed by a licensed contractor. All Mechanical, Electrical and Plumbing (MEP's) are to be permitted through the State of Michigan. Information can be obtained through the Community Development Department.

Section 23a of the state construction codes act of 1972, Act. No. 230 of Public Acts of 1972, being section 125, 1523a of the Michigan Compiled Laws, prohibits a person from conspiring to circumvent the licensing requirements of this state relating to person who perform work on residential building or a residential structure. Violations of section 23a are subjected to civil fines.

I have read the above and understand the terms and conditions and agree to comply with the City of Sturgis Code of Ordinances and the Michigan Residential Code that apply to the project.

**Applicant Name** \_\_\_\_\_ **Signature** \_\_\_\_\_ **Date** \_\_\_\_\_  
(Please Print)

**Property Owner or Agent Occupant** \_\_\_\_\_ **Signature** \_\_\_\_\_ **Date** \_\_\_\_\_  
(Please Print)

**PLEASE NOTE:**

**IF WORK WILL BE COMPLETED BY HOMEOWNER, A HOMEOWNER AFFADAVIT FORM MUST BE COMPLETED.**

**Office Use Only**

PROPERTY ID# 75-052- \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ ZONED \_\_\_\_\_

PROPERTY OWNER VERIFIED? ☐ YES ☐ NO

CONTRACTOR LICENSE CONFIRMED? ☐ YES ☐ NO ☐ N/A

Signature of Building Official \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Zoning APPROVED/DENIED DATE: \_\_\_\_\_ PLANS REVIEW FEE: YES ☐ NO ☐

\_\_\_\_\_ Building APPROVED/DENIED DATE: \_\_\_\_\_

Building Permits Fee Schedule (Based on Estimated Cost of Project)							
Estimated Cost of Project	Cost of Permit	Estimated Cost of Project	Cost of Permit	Estimated Cost of Project	Cost of Permit	Estimated Cost of Project	Cost of Permit
\$0-\$1,000	\$75.00	\$26,001-\$27,000	\$284.00	\$52,001-\$53,000	\$466.00	\$78,001-\$79,000	\$648.00
\$1,001-\$2000	\$85.00	\$27,001-\$28,000	\$291.00	\$53,001-\$54,000	\$473.00	\$79,001-\$80,000	\$655.00
\$2,001-\$3,000	\$95.00	\$28,001-\$29,000	\$298.00	\$54,001-\$55,000	\$480.00	\$80,001-\$81,000	\$662.00
\$3,001-\$4,000	\$105.00	\$29,001-\$30,000	\$305.00	\$55,001-\$56,000	\$487.00	\$81,001-\$82,000	\$669.00
\$4,001-\$5,000	\$115.00	\$30,001-\$31,000	\$312.00	\$56,001-\$57,000	\$494.00	\$82,001-\$83,000	\$676.00
\$5,001-\$6,000	\$125.00	\$31,001-\$32,000	\$319.00	\$57,001-\$58,000	\$501.00	\$83,001-\$84,000	\$683.00
\$6,001-\$7,000	\$135.00	\$32,001-\$33,000	\$326.00	\$58,001-\$59,000	\$508.00	\$84,001-\$85,000	\$690.00
\$7,001-\$8,000	\$145.00	\$33,001-\$34,000	\$333.00	\$59,001-\$60,000	\$515.00	\$85,001-\$86,000	\$697.00
\$8,001-\$9,000	\$155.00	\$34,001-\$35,000	\$340.00	\$60,001-\$61,000	\$522.00	\$86,001-\$87,000	\$704.00
\$9,001-\$10,000	\$165.00	\$35,001-\$36,000	\$347.00	\$61,001-\$62,000	\$529.00	\$87,001-\$88,000	\$711.00
\$10,001-\$11,001	\$172.00	\$36,001-\$37,000	\$354.00	\$62,001-\$63,000	\$536.00	\$88,001-\$89,000	\$718.00
\$11,001-\$12,000	\$179.00	\$37,001-\$38,000	\$361.00	\$63,001-\$64,000	\$543.00	\$89,001-\$90,000	\$725.00
\$12,001-\$13,000	\$186.00	\$38,001-\$39,000	\$368.00	\$64,001-\$65,000	\$550.00	\$90,001-\$91,000	\$732.00
\$13,001-\$14,000	\$193.00	\$39,001-\$40,000	\$375.00	\$65,001-\$66,000	\$557.00	\$91,001-\$92,000	\$739.00
\$14,001-\$15,000	\$200.00	\$40,001-\$41,000	\$382.00	\$66,001-\$67,000	\$564.00	\$92,001-\$93,000	\$746.00
\$15,001-\$16,000	\$207.00	\$41,001-\$42,000	\$389.00	\$67,001-\$68,000	\$571.00	\$93,001-\$94,000	\$753.00
\$16,001-\$17,000	\$214.00	\$42,001-\$43,000	\$396.00	\$68,001-\$69,000	\$578.00	\$94,001-\$95,000	\$760.00
\$17,001-\$18,000	\$221.00	\$43,001-\$44,000	\$403.00	\$69,001-\$70,000	\$585.00	\$95,001-\$96,000	\$767.00
\$18,001-\$19,000	\$228.00	\$44,001-\$45,000	\$410.00	\$70,001-\$71,000	\$592.00	\$96,001-\$97,000	\$774.00
\$19,001-\$20,000	\$235.00	\$45,001-\$46,000	\$417.00	\$71,001-\$72,000	\$599.00	\$97,001-\$98,000	\$781.00
\$20,001-\$21,000	\$242.00	\$46,001-\$47,000	\$424.00	\$72,001-\$73,000	\$606.00	\$98,001-\$99,000	\$788.00
\$21,001-\$22,000	\$249.00	\$47,001-\$48,000	\$431.00	\$73,001-\$74,000	\$613.00	\$99,001-\$100,000	\$795.00
\$22,001-\$23,000	\$256.00	\$48,001-\$49,000	\$438.00	\$74,001-\$75,000	\$620.00	\$100,001-\$101,000	\$914.00
\$23,001-\$24,000	\$263.00	\$49,001-\$50,000	\$445.00	\$75,001-\$76,000	\$627.00	Over \$101,001	Add \$4 per \$1000
\$24,001-\$25,000	\$270.00	\$50,001-\$51,000	\$452.00	\$76,001-\$77,000	\$634.00		
\$25,001-\$26,000	\$277.00	\$51,001-\$52,000	\$459.00	\$77,001-\$78,000	\$641.00	Over \$500,000 Contact Office	

<div> <div>Building Plan Review Fee</div> <div>(Based on Estimated Cost of Project)</div> <div>           Most projects require a Plan Review and Will pay the associated fee. Please check with the Community Development Department with any questions.         </div> </div>	\$0 - \$10,000		\$25.00
	\$10,001 - \$100,000		\$45.00
	PLUS \$3.00 per \$1,000 over \$10,000		
	\$100,001 - UP		\$315.00