



# Town of Northborough

## Building Department

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### **CALCULATION SHEET FOR INCREASE TO IMPERVIOUS SURFACE: GROUNDWATER PROTECTION OVERLAY DISTRICT**

Town of Northborough Zoning Bylaw Chapter 7-28, Groundwater Protection Overlay Districts. This form is intended for "Residential single family dwellings such that impervious cover of the building lot is increased over existing condition by no more than fifteen percent (15%)." (Existing conditions as they occurred in May 1986)

By definition: Impervious Surface – Material on the ground that prevents surface water from infiltrating into the soil and underlying groundwater system; impermeable.

This includes the following: Dwellings, all driveways (paved or unpaved), pools, cement aprons, walkways, any out buildings, sheds, and any similar ground covers. NOTE: does NOT include open decks.

ADDRESS: \_\_\_\_\_

GROUNDWATER PROTECTION OVERLAY AREA:      1    2    3  
*(please circle all as appropriate)*

A.) LOT SIZE:

Total Sq.Ft.

A.

**SECTION I: PRE-EXISTING impervious surface:** (in this section, calculate the amount of impervious ground cover that existed on the lot **on May 16, 1986**. (when the regulations came into effect).

Use the chart provided below to calculate the pre-existing impervious ground cover (do not include open decks)  
*(Show calculations)*

Dwelling:	s.f.	Shed:	s.f.	Other:	s.f.
Driveway:	s.f.	Pool:	s.f.	Other:	s.f.
Walkways:	s.f.	Pool Aprons:	s.f.	Other:	s.f.

B.) PRE-EXISTING IMPERVIOUS SURFACE

Total Sq. Ft.  
(from chart above)

B.

C.) Pervious Surface (difference between A & B)

("A minus "B")

C.

D.) ALLOWABLE EXPANSION OF IMPERVIOUS SURFACE: (This is the maximum amount of area that can be covered with impervious groundcover before a recharge will be required.

Multiply  
"C" by **0.15**

X 0.15

D.

**SECTION II: INCREASE** to impervious surface from May 1986 to present (not to include what you are proposing to do) In this section, calculate the amount of impervious ground cover that has been added since May 16, 1986.

Dwelling:	s.f.	Shed:	s.f.	Other:	s.f.
Driveway:	s.f.	Pool:	s.f.	Other:	s.f.
Walkways:	s.f.	Pool Aprons:	s.f.	Other:	s.f.

E.) Increase to Impervious Ground Cover  
(Added after May 16, 1986)

Total Sq. Ft. (from chart above)	E.
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**SECTION III: PROPOSED** new project: In this section please describe your proposed project and calculate the square footage of impervious surface that it will cover.

F.) Total Impervious Groundcover that proposed project will cover

F.
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G. Total increase to impervious surface:

Note: this amount should not be more than "D"

Total of "E"&"F"	G.
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NOTE: IF "G" is greater than "D" either a GWPO variance (ZBA), and/or designing a recharge area (see the Town Engineer) will be required.

Applicant: \_\_\_\_\_ Date: \_\_\_\_\_  
*Please print name*

Signature: \_\_\_\_\_ Phone # \_\_\_\_\_  
*Owner / Contractor (circle one)*

Reviewed by Building Inspector:

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Date*