

AREA CALCULATIONS:

The area for this calculation is the proposed altered lands within the property line and 100-foot buffer line (as measured from the FEMA delineation and ToCB, whichever is the mos landward). The impervious area is the summation of those applicable percentages (not all apply to this project, but listed here as the standards applied to many projects in Town):

100% IMPERVIOUS AREAS: buildings (including foundations + any roof overhangs [greater than 18"] + cantilevered portions of the building [greater than 18"]), concrete retaining walls (without "lips"), masonry stone walls (without "lips"), steps, concrete landings, asphalt pavement, mortared flagstone/bluestone/stone & brick patios (set on concrete slabs or Lynnpac), exposed ledge outcroppings, shallow soil over ledge, and

100% IMPERVIOUS AREAS: pool (even though the pool is not filled entirely and does allow for some stormwater detention), and

85% IMPERVIOUS AREAS: brick pavers/brick/stone patios/walkways/driveway pavers (tight joints set on sand bed), 6 to 12-inches of soil cover over ledge, compacted earth, stone-dust, lynn-pac driveways, and

altered areas (not in the scope of proposed work), are not included in these percentage (of impervious) is already factored into the areas below. $\frac{\text{EXISTING:}}{6,682\pm\text{SF}}$

00±SF <u>PROPOSED:</u> **4,863±SF** 844±SF

6,682±SF

5,707±SF

surfaces = 975±SF

This Site Plan proposes the following design features (stormwater BMP controls to supplement the net reduction of impervious surfaces) designed to further conservatively mitigate runoff:

(a) Conversion of existing asphalt into pervious pavers.

(b) Construction of a flat terraced Water Quality Swale (designed to absorb runoff water allowing for percolation, filtration and groundwater recharge).

(c) River Rock swale (to catch driveway water) and subtle berm (along the property line) so that runoff does not flow onto abutter's property. nitrogen (not

Therefore, with the proposed mitigation measures (slowing down stormwater runoff, allowing for percolation into the ground), impacts to wetland resource areas will MITIGATED before stormwater enters Foster Street (and Town drainage system which flows into Marblehead Harbor beyond.

PROPOSED SCOPE of WORK (with Impervious Calculations) U

LStCSF (& Buffer Zones) project ONLY lo work is proposed within any other wetland resource are

Existing Garage Re-consum Site Work/Landscaping Marblehead Conservation Commission NOTICE OF INTENT APPLICATION Marblehead, Foster Re-Construction & Street

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PATROWICZ
LAND DEVELOPMENT ENGINEERING
14 Brown Street, Salem, MA 01970 Plan Scale: 1" = 10' Sheet 2 of 2