

Hyak Mtn Home - Roof Snow Shed

135 Chamonix Place
Snoqualmie Pass, WA 98068

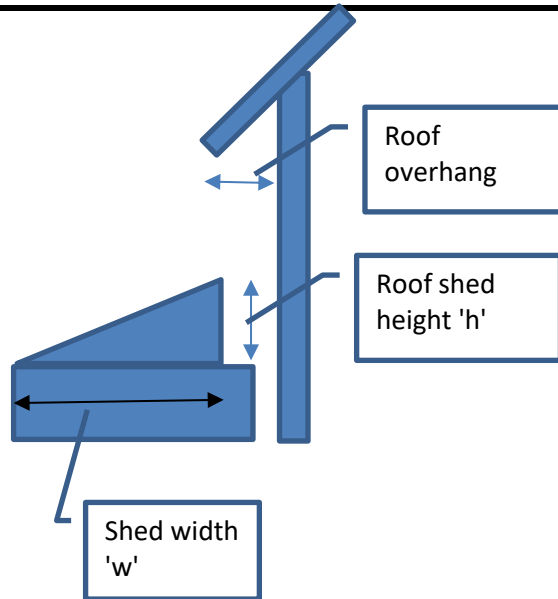
Brian Russell, P.E.
WA Lic. # 54717



7/25/2018

Project Information

Elevation: 2700 ft
 Normalized Ground Snow: 0.1399 psf/ft
 Site Ground Snow: 377.73 psf
 Snow Density: 63.1 pcf (ASCE eq. 7.7-1) ≤ 30 pcf (use 30 pcf)
 Roof Overhang: 2 ft
 Roof Material: Metal Seem
 Coef. Friction (snow on metal): 0.25
 Roof pitch: 7 in 12/ 30.26 deg
 Roof Snow: 212 psf
 Max Depth of Roof Snow: 7.07 ft
 Depth of Snow Slide: 5.69 ft (approx)
 Roof Curl: 6 ft
 Shed Width 'w': 8 ft
 Shed Height 'h': 5.77 ft
 Resultant Angle: 35.78 deg (agrees well with info on angle of repose)



CHAMONIX PLACE

75.39' 57° 35' 29"

EXISTING EDGE OF ROADWAY

PROpane TANK



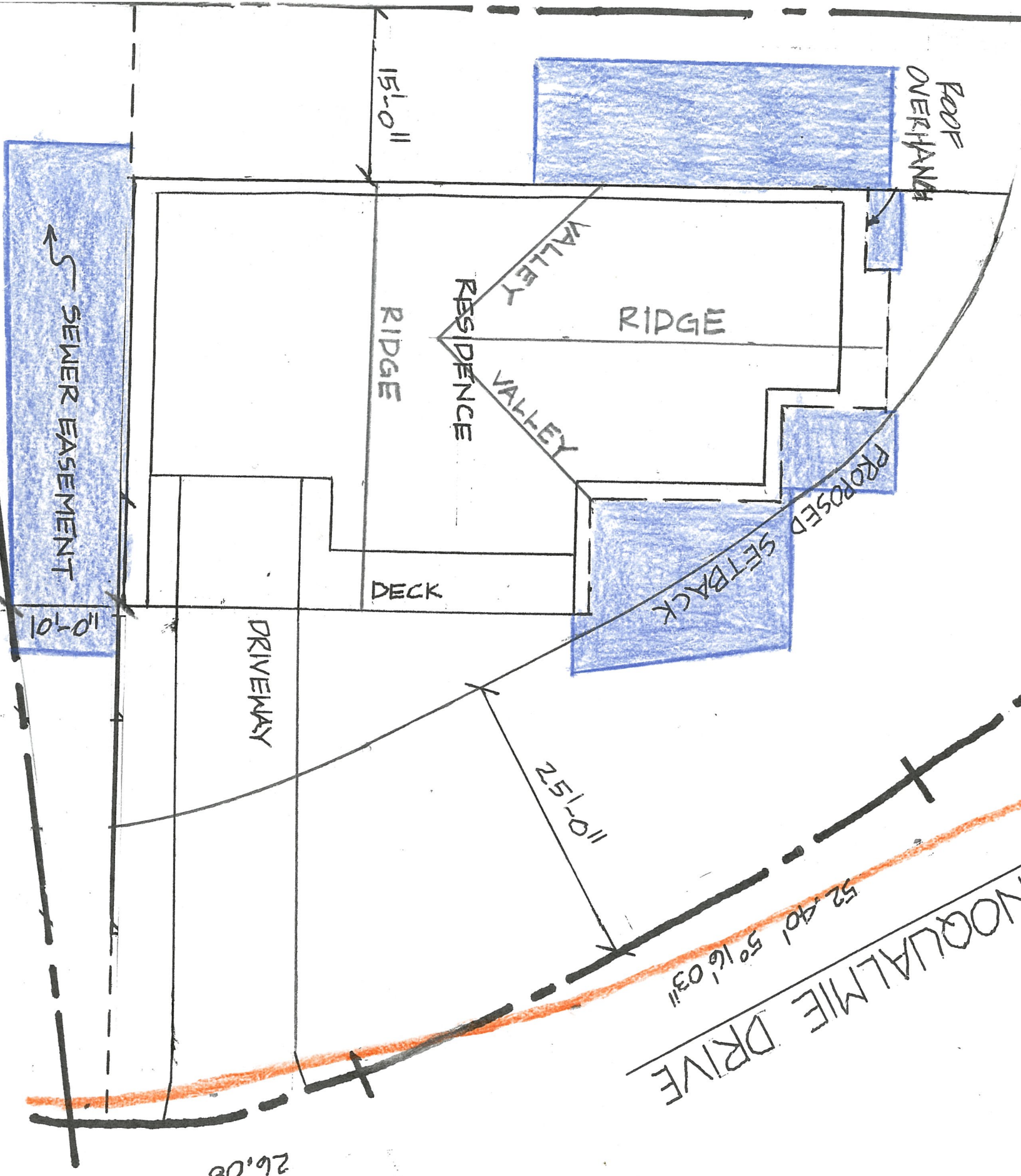
SNOQUALMIE DRIVE

R=75

52.40' 50° 16' 03"

26.08'

R=48.16



95.09' 30° 55' 46"

SEWER EASEMENT

10'-0"

RIDGE

RESIDENCE

VALLEY

RIDGE

PROPOSED SETBACK

DECK

DRIVEWAY

251'-0"



Projected area of shedding roof snow with a 7/12 pitch



BRIAN RUSSELL

7/25/2018



SITE PLAN

SCALE: 1" = 10'-0"

VA-18-00003
VARIANCE