

WATER QUALITY VOLUME



Site Engineering Consultants, Inc.
55 Grape Shot Road
Sharon, Massachusetts 02067
(781) 784-0326
CONSULTING CIVIL ENGINEERS

JOB 222 S. PLEASANT ST. SITE PLAN
SHEET NO. 1 OF 1
CALCULATED BY A.S. DATE 11/30/2022
CHECKED BY _____ DATE _____
SCALE _____

CALCULATION OF WATER QUALITY

SITE IS IN A ZONE II AQUIFER PROTECTION DISTRICT

$$\underline{V_{WQ} = D \times I_A}$$

I_A = IMPERVIOUS AREA (EXCLUDING ROOF AREA)

$$I_A = 8101.4 \text{ sf}$$

$$D = 1.017 \text{ (ZONE II)}$$

$$V_{WQ} = 1.017 \left[\frac{1.017}{12.017} \right] \times 8101.4 \text{ sf}$$

$$\underline{V_{WQ} = 675.1 \text{ c.f.}}$$