

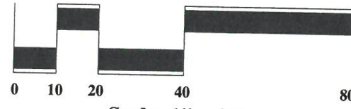
House Location / Permit Plan

2662 Grady Street

City of Smyrna, Georgia Land Lot 489, 17th District, 2nd Section

property owner:

Terry Wilson
Wilsonbuilt Homes
5604 Wendy Bagwell Parkway
Suite 221, Hiram Ga 30141
678-859-0736



March 26, 2020

DGM
LAND PLANNING
CONSULTANTS



975 COBB PLACE
BLVD, SUITE 212
KENNESAW
GA 30144
770 514-9006
FAX 514-9491



Concrete Required:
Public Sidewalk: 0 (SF/78)= 0 CY
Driveway: 773 (SF/78)= 9.9 CY
Patio: 264 (SF/78)= 3.4 CY
Walkway: 40 (SF/78)= 5.1 CY
Silt Fence: 317 LF
Total: 18.4 CY

Impervious Surface:

House: 2245 SF
Driveway: 434 SF
Walkway: 40 SF
Patio: 264 SF
TOTAL IMP.: 2983 SF
Lot Area: 8912 SF

PERCENT IMP.: 33 %

Biodetention Pond Calculation

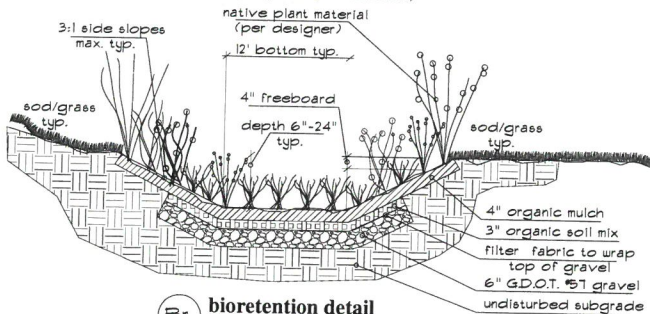
Total Site Area: .205 AC
Total Impervious Area: .085 AC

I (impervious % of site) = 41.4 %
Rv (weighted runoff coef.)
0.05 + (I x .009) = .423
A (total site area) = .205 AC

$WQ_v = (1.2 \times .423 \times .205) / 12 = .00867 \text{ AC/FT}$

then, $000 \text{ AC/FT} \times 43560 = 378 \text{ CF}$

I = impervious percentage as a whole number
Rv = weighted volumetric runoff coefficient
WQv = water quality runoff (watershed inches)



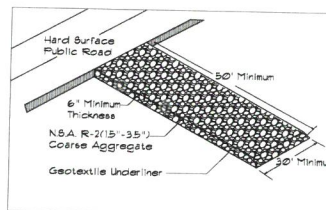
Br bioretention detail
(not to scale)

Cut/Fill Calculation (in cubic yards)

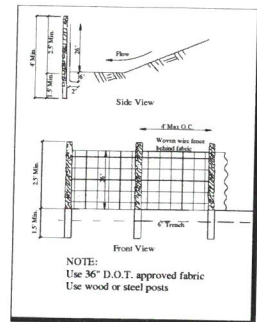
Fill Required:	278
+15%:	42
Total:	319
-cut generated:	178
=Net Deficit:	141 CY

Total Area of Sod:
= 5,359 SF

- (Co) CONSTRUCTION ENTRANCE
- (Di1) STABILIZATION (MULCHING)
- (Di2) STABILIZATION (TEMP SEED)
- (Di3) STABILIZATION (PERM. VEG.)
- (Di4) STABILIZATION (SODDING)
- (Sf) SILT FENCE NOTATION



(Co) Crushed stone construction exit
Installation requirements.



(Sd1) SILT FENCE - TYPE C

