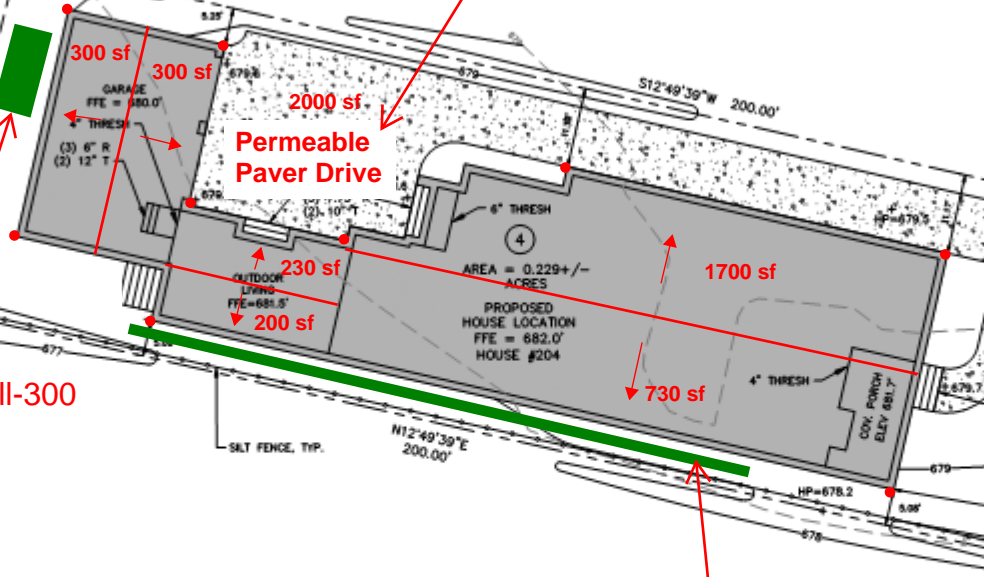


Permeable Pavers
-4230 sq. ft.

Gravel Dry Well-300
sq ft

Modified French
Drain-930 sq ft



LOT COVERAGE CHART	
LOT SF =	9,986.6 SF
NEW HOUSE SF =	3,471 SF
NEW DRIVE SF =	1,264 SF
SIDEWALK SF =	102 SF
TOTAL IMPERVIOUS AREA =	5,557 SF
% TOTAL IMPERVIOUS =	55.6%
% BUILDING IMPERVIOUS =	34.8%

XXX	PROPOSED SPOT ELEV.	XXX
XXX	EXISTING SPOT ELEV.	XXX
XXX	SILT FENCE	XXX

Single Family Stormwater Management Sizing

Select the measure that will be used with this calculation

Rain Event 1 inch storm

Contributing Drainage Area

4230 square feet

Input the contributing drainage area in the blue cell

Volume Required 353 cubic feet

Both Cisterns and Manufactured Dry wells are manufactured products. These will need to be sized based on the volume required above. Manufacturer details and calculations shall be provided.

Gravel Dry Well

Square

Depth 35 ft
Width 5 ft
Length 5 ft

Circular

Depth 31.17 ft
Diameter 6 ft

Volume 353 cubic feet

Modified French Drain

Depth of Gravel 2 ft
Width of Trench 2 ft
Length 220 ft

Volume 353 cubic feet

Rain Garden

Surface Area Required 441 square feet
Depth of Amended Soil 2 ft

Volume 353 cubic feet

Permeable Pavement

Surface Area Required 1763 square feet
Depth of Stone 0.5 ft

Volume 353 cubic feet

Single Family Stormwater Management Sizing

Select the measure that will be used with this calculation

Rain Event 1 inch storm

Contributing Drainage Area

square feet

Input the contributing drainage area in the blue cell

Volume Required

cubic feet

Both Cisterns and Manufactured Dry wells are manufactured products. These will need to be sized based on the volume required above. Manufacturer details and calculations shall be provided.

Gravel Dry Well

Square

Depth ft
Width ft
Length ft

Circular

Depth ft
Diameter ft

Volume 78 cubic feet

Modified French Drain

Depth of Gravel ft
Width of Trench ft
Length ft

Volume 78 cubic feet

Rain Garden

Surface Area Required square feet
Depth of Amended Soil ft

Volume 78 cubic feet

Permeable Pavement

Surface Area Required square feet
Depth of Stone ft

Volume 78 cubic feet

Single Family Stormwater Management Sizing

Select the measure that will be used with this calculation

Rain Event 1 inch storm

Contributing Drainage Area

300 square feet

Input the contributing drainage area in the blue cell

Volume Required 25 cubic feet

Both Cisterns and Manufactured Dry wells are manufactured products. These will need to be sized based on the volume required above. Manufacturer details and calculations shall be provided.



Gravel Dry Well

Square

Depth 2 ft
Width 5 ft
Length 7 ft

Circular

Depth 2.21 ft
Diameter 6 ft

Volume 25 cubic feet



Modified French Drain

Depth of Gravel 2 ft
Width of Trench 2 ft
Length 16 ft

Volume 25 cubic feet



Rain Garden

Surface Area Required 31 square feet
Depth of Amended Soil 2 ft

Volume 25 cubic feet



Permeable Pavement

Surface Area Required 63 square feet
Depth of Stone 1 ft minimum of 6"

Volume 25 cubic feet