

R-2 RESIDENTIAL ZONE - SINGLE-FAMILY

BULK REQUIREMENT DESCRIPTION	REQUIRED/ALLOWED	EXISTING	PROPOSED
MIN. LOT AREA	15,000 S.F.	15,152 S.F.	NO CHANGE
MIN. LOT WIDTH	100 FT.	118.7 FT.	NO CHANGE
MIN. LOT DEPTH	135 FT.	138.4 FT.	NO CHANGE
MIN. FRONT YARD	40 FT.	40.3 FT.	NO CHANGE
MIN. REAR YARD	50 FT.	50.7 FT.	NO CHANGE
MIN. SIDE YARD LEFT	23.7 FT.	32.9 FT.	NO CHANGE
MIN. SIDE YARD RIGHT	23.7 FT.	10.9 FT.	NO CHANGE
MAXIMUM COVERAGE			
IMPERVIOUS	25% (3,788 S.F.)	39.45% (5,977 S.F.)	34.1% (5,162 S.F.)
PRINCIPAL STRUCTURE	12.5% (1,894 S.F.)	17.1% (2,592 S.F.)	NO CHANGE

COVERAGE CALCULATIONS

	EXISTING	CHANGE	EXISTING
HOUSE	2,592 S.F.	NO CHANGE	2,592 S.F.
SHED	66 S.F.	NO CHANGE	66 S.F.
FRONT WALKS/STEPS	433 S.F.*	NO CHANGE	433 S.F.*
REAR WALK/PATIO	1,459 S.F.*	NO CHANGE	1,104 S.F.*
PAVED DRIVEWAY	1,427 S.F.	CONVERT TO PAVERS	967 S.F.*
TOTAL COVERAGE	5,977 S.F.		5,162 S.F.

NOTES:

- THIS PLAN IS BASED UPON AN ACTUAL FIELD SURVEY PERFORMED ON NOVEMBER 19, 2019. IF THIS PLAN DOES NOT HAVE A RAISED SEAL, IT IS NOT AN OFFICIAL COPY AND THE SITE MAY HAVE CHANGED SINCE THE DATE OF THE FIELD SURVEY.

PLOT PLAN

PREPARED FOR:  
58 UNION HILL ROAD

TAX LOT 12 IN BLOCK 4805

BOROUGH OF MADISON

MORRIS COUNTY NEW JERSEY

Date: 12/09/19 REVISED: 03/13/2020

Job No.: 19068

Scale 1 Inch = 20 Feet



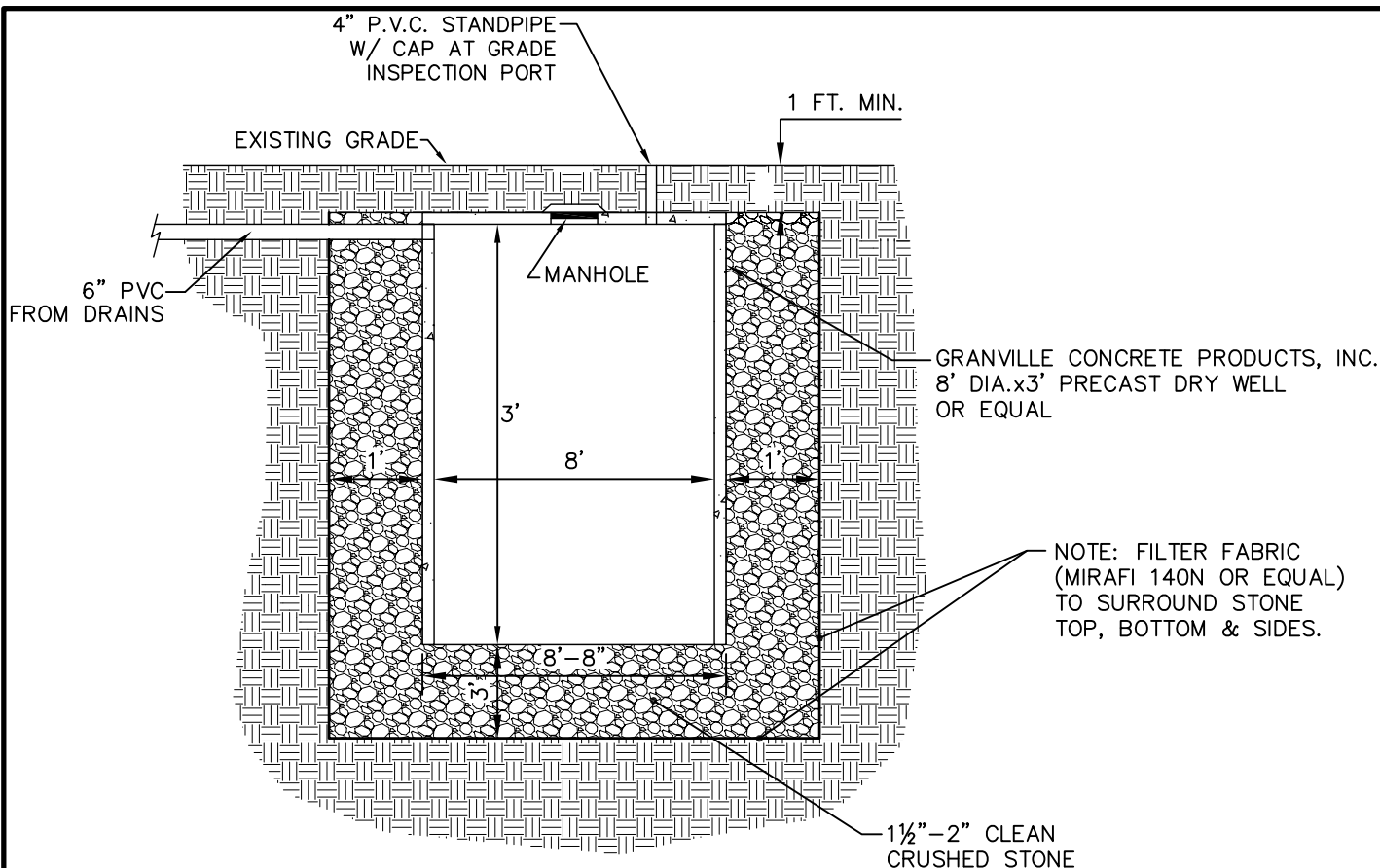
ABC SURVEYS, LLC

PROFESSIONAL LAND SURVEYING AND ENGINEERING

466 SOUTHERN BOULEVARD  
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**DRY WELL DETAIL**

SCALE N.T.S.

**REAR YARD DRY WELL DESIGN**

CAPTURED PATIO AREA = 1,100 FT.<sup>2</sup> ±

REQUIRED STORAGE:

$(1,100 \text{ FT.}^2) \times (3/12) = 275 \text{ FT.}^3$

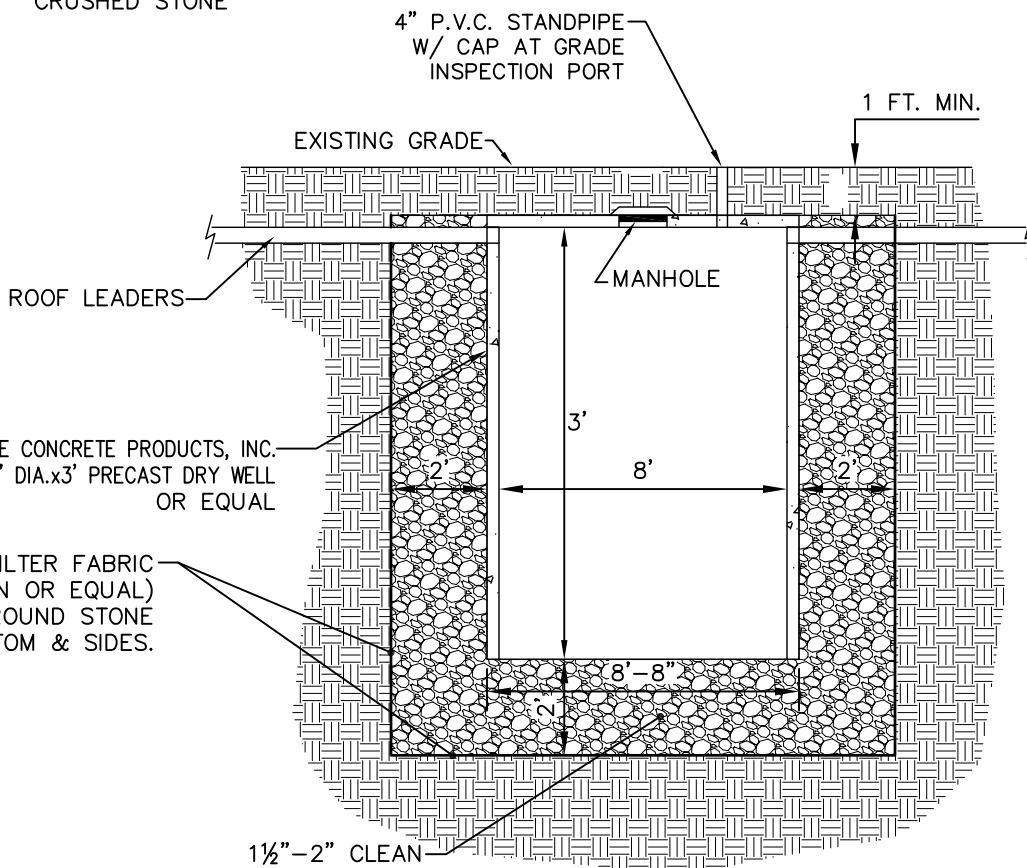
STORAGE PROVIDED:

USING ONE 8' DIA.x3' HIGH TANK + STONE w/ 40% VOID RATIO

TANK -  $(3.14)(4^2)(3) = 150 \text{ FT.}^3$

STONE -  $(0.4) [(10.67 \times 10.67 \times 6) - 150] = 213 \text{ FT.}^3$

TOTAL STORAGE PROVIDED = 363 FT.<sup>3</sup> > 275 FT.<sup>3</sup> -OK



**FRONT YARD DRY WELL #1 DESIGN**

CAPTURED PATIO AREA = 1,600 FT.<sup>2</sup> ±

REQUIRED STORAGE:

$(1,600 \text{ FT.}^2) \times (3/12) = 400 \text{ FT.}^3$

STORAGE PROVIDED:

USING ONE 8' DIA.x3' HIGH TANK+STONE w/40% VOID RATIO

TANK -  $(3.14)(4^2)(3) = 150 \text{ FT.}^3$

STONE -  $(0.4) [(12.67 \times 12.67 \times 5) - 150] = 260 \text{ FT.}^3$

TOTAL STORAGE PROVIDED = 410 FT.<sup>3</sup> > 400 FT.<sup>3</sup> -OK

**FRONT YARD DRY WELL #2 DESIGN**

CAPTURED PATIO AREA = 1,000 FT.<sup>2</sup> ±

REQUIRED STORAGE:

$(1,000 \text{ FT.}^2) \times (3/12) = 250 \text{ FT.}^3$

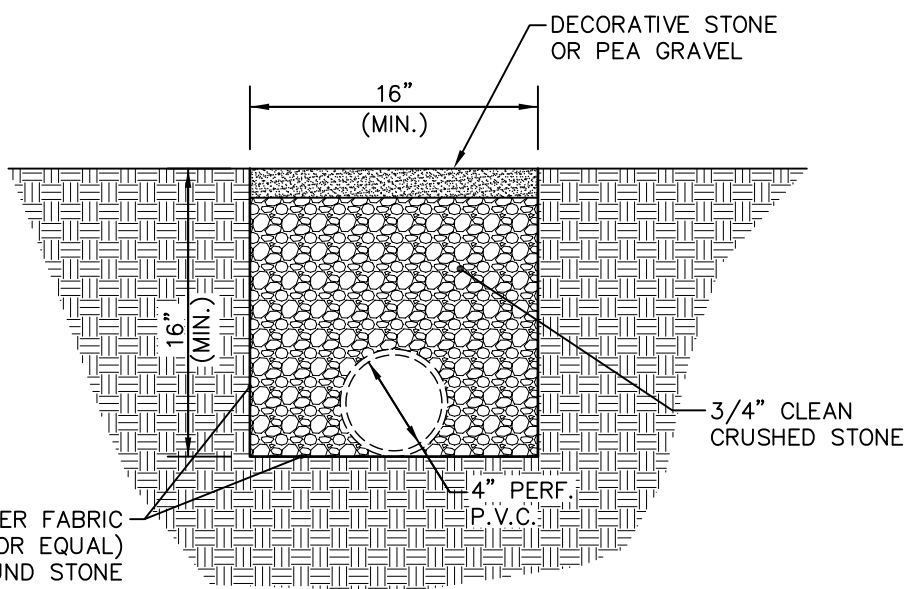
STORAGE PROVIDED:

USING ONE 8' DIA.x3' HIGH TANK+STONE w/40% VOID RATIO

TANK -  $(3.14)(4^2)(3) = 150 \text{ FT.}^3$

STONE -  $(0.4) [(10.67 \times 10.67 \times 4) - 150] = 122 \text{ FT.}^3$

TOTAL STORAGE PROVIDED = 272 FT.<sup>3</sup> > 250 FT.<sup>3</sup> -OK



**INFILTRATION DRAIN DETAIL**

SCALE N.T.S.

**STORMWATER MANAGEMENT DETAILS**

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