



DRY WELL DETAIL

SCALE: N.T.S.

DRY WELL DESIGN

CAPTURED ROOF AREA = 1,500 FT.² ±

VOLUME OF REQUIRED STORAGE AREA IS FOR A 4"-24 HOUR RAINFALL
4/12 (1,500 FT.²) = 500 FT.³

STORAGE PROVIDED:

USING ONE 8' DIA.x 6' HIGH TANK + STONE w/ 40% VOID RATIO

TANKS - $(3.14)(4^2)(6) = 301 \text{ FT.}^3$

STONE - $(0.4) [(12.67 \times 12.67 \times 7) - 301] = 329 \text{ FT.}^3$

630 FT.³

TOTAL STORAGE PROVIDED = 630 FT.³ > 500 FT.³ -OK

DRY WELL DETAIL

PREPARED FOR:

1 DELLWOOD DRIVE

TAX LOT 1 IN BLOCK 4903

BOROUGH OF MADISON

MORRIS COUNTY NEW JERSEY

Date: 05/29/2020

Job No.: 20049...

Scale 1 Inch = 30 Feet



ABC SURVEYS, LLC

PROFESSIONAL LAND SURVEYING AND ENGINEERING

466 SOUTHERN BOULEVARD
CHATHAM, NEW JERSEY 07928
VOICE 973-377-2174 FAX 973-377-5533

ANDREW B. CLARKE-PLS, PE

NJ PROFESSIONAL ENGINEER AND LAND SURVEYOR LICENSE No. GB04105600