DRY WELL DETAIL

SCALE: N.T.S.

DRI W ell 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.²

STORAGE PROVIDED:
USING ONE 8' DIA x 6' HIGH TANK + STONE w/ 40% VOID RATIO
TANKS = (3.14)(4²)(6) = 301 FT.³
STONE = 0.4 [(12.67)(12.67)(7) - 301] = 329 FT.³
TOTAL STORAGE PROVIDED = 630 FT.³ > 500 FT.³ - OK

NOTE: FILTER FABRIC (MIRAFL 140# OR EQUAL) TO SURROUND STONE TOP, BOTTOM & SIDES.

HEAVY DUTY MANHOLE FRAME AND GRATE
CAMPBELL FOUNDRY
PATTERN NO. 21048 OR EQUAL
(2008 EDITION)
GRATE TO MATCH EXIST. GRADES

24" MIN.

- 1½"-2" CLEAN CRUSHED STONE

- GRANVILLE CONCRETE PRODUCTS
  8"x8" PRECAST DRY WELL OR EQUAL

1/25/2020

ANDREW B. CLARKE - PLS, PE
NJ PROFESSIONAL ENGINEER AND LAND SURVEYOR LICENSE NO. 0304105600

ABC SURVEYS, LLC
PROFESSIONAL LAND SURVEYING AND ENGINEERING
410 SOUTH CAROLINA BOULEVARD
CHATHAM, NEW JERSEY 07928
VOICE 973-277-2174 FAX 973-277-5633

PREPARED FOR
1. DELLWOOD DRIVE
   TAX LOT 1 IN BLOCK 4903
   BOROUGH OF MADISON
   MORRIS COUNTY, NEW JERSEY

Date: 09/29/2020
Scale 0.010" = 1.00' - 0.010" = .30'