

NOTES

1. THIS DRAWING SHOWS GENERAL REQUIREMENTS FOR DRY WELLS, AND IS BASED ON CIRCULAR PRE-CAST CONCRETE UNITS. OTHER SHAPED UNITS SUCH AS RECTANGULAR, IGLOO AND HEXAGONAL MAY ALSO BE USED, SUBJECT TO THE ENGINEER'S APPROVAL, PROVIDED THE GENERAL REQUIREMENTS OF THIS DRAWING ARE MET.
2. CONCRETE UNITS SHALL BE DESIGNED BY THE MANUFACTURER TO WITHSTAND ALL APPLIED LOADS. UNITS IN ROADWAYS AND PARKING LOTS AREAS SHALL BE DESIGNED FOR AASHTO HS20-44 LOADING. UNITS IN NON-TRAFFIC AREAS SHALL BE DESIGNED FOR 60 LBS PER SQUARE FOOT.
3. UNITS MAY HAVE CIRCULAR OR RECTANGULAR TAPERED SLOTS, WITH THE LARGER OPENING ON THE OUTSIDE FACE.
4. IF THE MAXIMUM DIMENSION OF THE SLOTS EXCEEDS 1.5 INCHES, THE FILTER STONE SIZE SHALL BE INCREASED.
5. UNITS MAY BE INSTALLED IN GROUPS AND INTERCONNECTED TO ACHIEVE THE REQUIRED INFILTRATION. SPACING BETWEEN EACH UNIT SHALL NOT BE LESS THAN 25 FT.

MATERIALS:

1. UNLESS OTHERWISE NOTED, ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO CONNECTICUT DOT "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION", FORM 814, 815 AND SUBSEQUENT MODIFICATIONS.
2. MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 4,000 PSI.
3. CEMENT SHALL BE TYPE II TO ASTM C150.
4. REINFORCEMENT SHALL BE ASTM A615.
5. MINIMUM COVER TO REINFORCEMENT SHALL BE 1.5 INCHES.
6. FITTINGS SHALL CONFORM TO STD-NH-06, 07, 07A AND 15.

MANDATORY REQUIREMENTS:

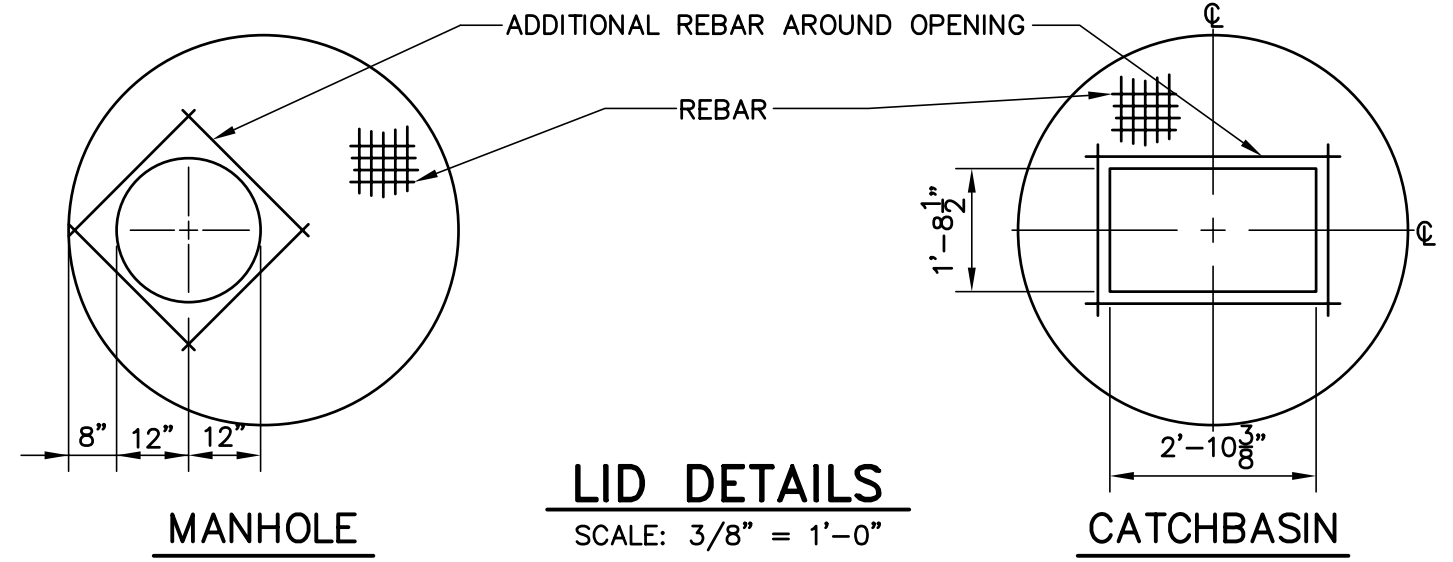
1. DRYWELLS SHALL BE DESIGNED FOR A 1 IN 25 YEAR STORM.
2. PERCOLATION TESTS SHALL BE PERFORMED TO VERIFY THE ADEQUACY OF ALL DESIGNS AND BE WITNESSED BY A RESPONSIBLE PERSON. THEIR RESULTS, TOGETHER WITH ALL RELATED CALCULATIONS AND DRAWINGS TO JUSTIFY THE USE OF THE DRYWELL, SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF CONNECTICUT.
3. DRAWINGS AND CALCULATIONS FOR THE PRE-CAST CONCRETE RINGS AND LIDS SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OF CONNECTICUT.
4. NOTWITHSTANDING (2) AND (3) ABOVE, THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DESIGN.

**TYPICAL DRYWELL ELEVATION
CIRCULAR SLOTTED UNIT IN
NON-TRAFFICKED AREAS**

SCALE: 3/8" = 1'-0"

**TYPICAL DRYWELL ELEVATION
RECTANGULAR SLOTTED UNIT IN
ROADWAY OR PARKING AREA**

SCALE: 3/8" = 1'-0"



MANHOLE

LID DETAILS

SCALE: 3/8" = 1'-0"

CATCHBASIN