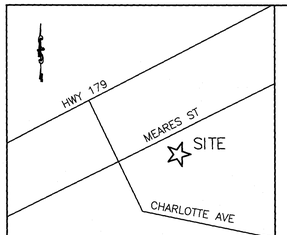


VICINITY MAP
N.T.S.

STORMWATER CALCULATIONS

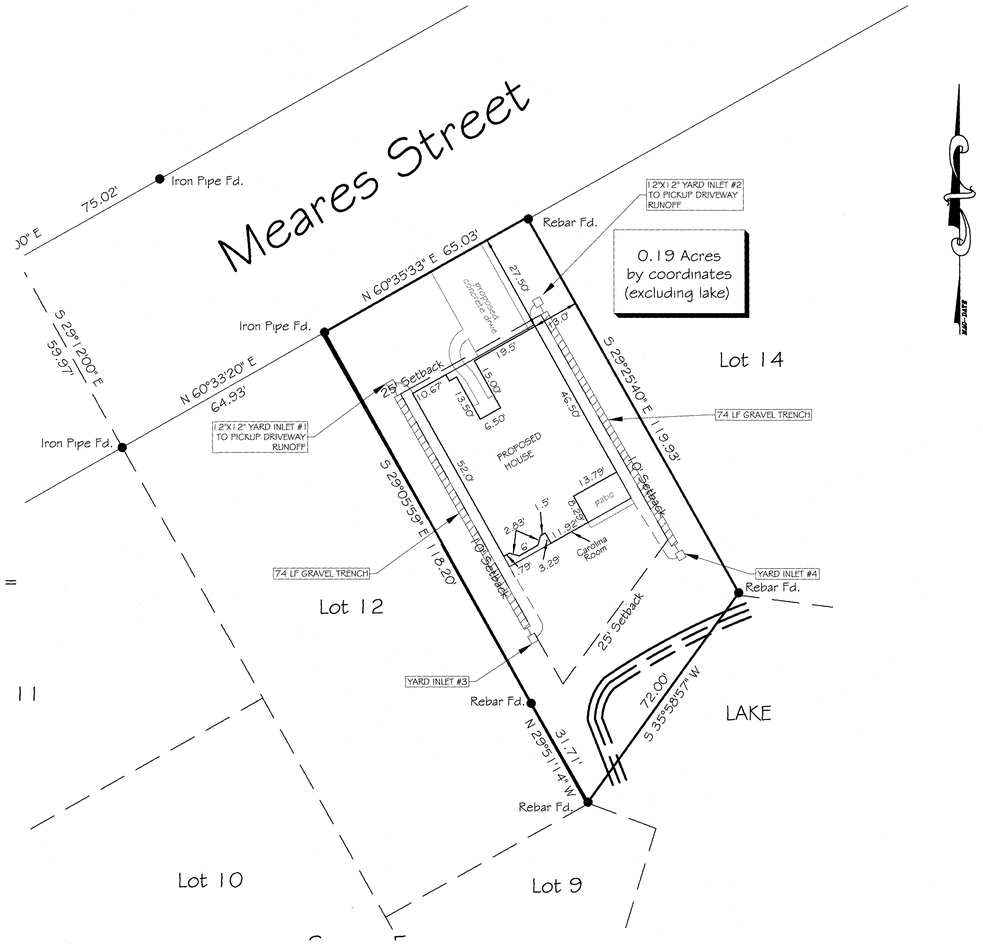
VOLUME REQUIRED = 3,630(0.95) X 1.5 INCH X 2,571 SF/43,560 SF/AC= 321.375 CF

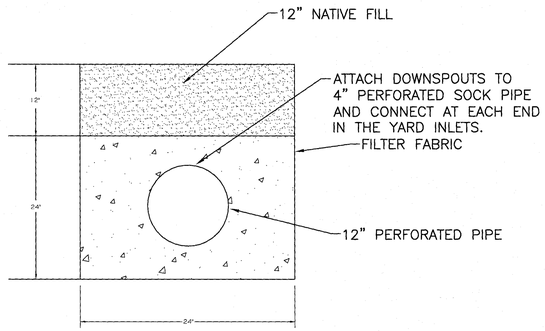
USE 2 FT X 2 FT GRAVEL TRENCH W/ 12 INCH PREFORATED PIPE

VOLUME PER FOOT = (2 FT X 2 FT) – (3.14(.5)(.5)) X 0.4 + 3.14(.5)(.5) =
=(4 SF – 0.785 SF)0.4 + 0.785
=1.286 SF + 0.785 SF
=2.07 SF PER FOOT

TOTAL TRENCH LENGTH REQ'D = 305.3 CF / 2.07 SF = 147.5 LF

USE 2 – 74 LF TRENCHES = 148 LF





GRAVEL TRENCH CROSS-SECTION
NTS

Impervious Calculations

Total Lot Area= 8,825 Sq. Feet

House = 1,900 Sq. Ft.

Concrete walk and Drive to edge of pavement, patio = 671 Sq. Ft.

Total= 2,571 Sq. Ft. / 29.13%

NOTES:
1. GRADE DRIVEWAY TO DRAIN TO YARD INLET #1 OR #2 OR BOTH.
2. CONNECT ALL ROOF DRAINS TO 12" PERFORATED PIPE BY WAY OF YARD INLETS AND 4" PERFORATED SOCK PIPE.
3. YARD INLETS MAY BE PLASTIC OR COMPOSITE 12" X 12" TYPE FOR RESIDENTIAL USE.

LEGEND

PROPERTY LINE

× 22.60 EXISTING SPOT ELEVATION

SCALE: 1" = 20'

0 20 40 60

SYMBOL	DATE	DESCRIPTION	BY

REVISIONS

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STORMWATER PLAN
1023 MEARES STREET
LOT 13 - BLOCK 23
TOWN OF CALABASH, NORTH CAROLINA

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Licence #C-3641

22108

DES. JPN
CKD. JPN
DRWN. ZAC

DATE 9/28/22

NORTH CAROLINA PROFESSIONAL SEAL 11966 ENGINEER JOHN PHILLIP NORRIS
9/28/2022

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