



3, AS SHOWN ON SHEET 7.03 OF THE OFFICIAL TAX MAPS OF THE

- BOUNDARY, TOPOGRAPHIC AND EXISTING SITE IMPROVEMENT INFORMATION ARE BASED UPON A PLAN SET ENTITLED "FINAL MAJOR SUBDIVISION OF 'ROYAL OAKS' TAX LOTS 9, 34 & 35, BLOCK 151. HOWELL TOWNSHIP, MONMOUTH COUNTY, NEW JERSEY", PREPARED BY GRAVATT CONSULTING GROUP, DATED 9/10/04, LAST REVISED 11/15/10. SITE TOPOGRAPHY IS BASED UPON NAVD88 DATUM. THE PROPOSED GRADING FOLLOWS THE INTENT OF THESE PLANS. ALL PROPOSED PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS.
- THE PROPERTY LIES OUTSIDE OF THE 0.2% (500-YEAR) FLOOD HAZARD AREA (LIES WITHIN ZONE X UNSHADED) AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBERS 34025C0303F, EFFECTIVE DATE SEPTEMBER 25, 2009.
- THE PORTION OF THE SITE BEING DEVELOPED IS UNDERLAIN BY LAKEWOOD SAND (LasB) SOILS, AS PER THE UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY. THERE ARE NO VERIFIED FRESHWATER WETLANDS WITHIN THE PROPERTY, AS PER THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION NJ—GEOWEB SERVICE.
- 'HE SITE IS VACANT AND WOODED. 'HE SITE SHALL BE SERVED BY A PRIVATE SUBSU

SITE

- OPOSED IMPROVEMENTS INCLUDE THE CONSTRUCTION OF A TWO-STORY SINGLE-FAMILY RESIDENTIAL DWELLING, PAVED IVEWAY, A SUBSURFACE SEWAGE DISPOSAL (SEPTIC) SYSTEM AND OTHER ANCILLARY STRUCTURES & UTILITIES. RFACE SEWAGE DISPOSAL (SEPTIC) SYSTEM AND PRIVATE WELL.
- PROPOSED BUILDING FOOTPRINT IS BASED UPON A PLAN ENTITLED "MSC ENTERPRISES, BLOCK: 151, LOT: 9.13, 6 HESS COURT, HOWELL, NEW JERSEY", PREPARED BY GRASSO DESIGN GROUP, DATED 3/18/2021. PROPOSED UTILITIES SHALL BE INSTALLED UNDERGROUND. LOCATION AND INSTALLATION OF NEW UTILITIES AND SERVICE NECTIONS NOT SHOWN ON THIS PLAN ARE THE RESPONSIBILITY OF OTHERS.
- CLEARANCE BETWEEN UNTREATED WOOD SIDING/SHEATI LESS THAN 6 INCHES.

- ASEMENT CONSTRUCTION SHALL INCLUDE WATERPROOFING IN ACCORDANCE WITH IRC STANDARDS. THE CONTRACTOR SHALL ROVIDE A FOUNDATION PERIMETER DRAIN, SUMP AND SUMP PUMP WITH POSITIVE OUTLET TO THE EXTERIOR GRADE AWAY ROM THE FOUNDATION.

- HERE ARE NO KNOWN SEPTIC DISPOSAL FIELDS WITHIN 50 FEET OF THE PROPOSED SEPTIC FIELD. HERE ARE NO KNOWN EXISTING WELLS WITHIN 100 FEET OF THE PROPOSED SEPTIC DISPOSAL FIELD. HERE ARE NO KNOW EXISTING OR PROPOSED SEPTIC DISPOSAL FIELDS WITHIN 100 FEET OF THE PROPOSED WELL.

  - GRADE ADJACENT TO THE BUILDING FOUNDATION MUM DISTANCE OF 10 FEET FROM THE FOUNDATION GRADE MAY BE INCREASED TO A MAXIMUM SLOPE :PER THAN 8%
    - HING AND EARTH ON THE EXTERIOR OF THE BUILDING SHALL NOT BE
  - SHALL SLOPE AWAY FROM THE DWELLING AT A SLOPE OF 5% FOR A V WALL. AT A DISTANCE OF 10 FEET FROM THE DWELLING FOUNDATION, OF 33% WITH THE EXCEPTION OF THE DRIVEWAY, WHICH CAN BE NO
- LOCATION MAP

Runoff Area, A = 2,186 s.f. (proposed roof are c = 0.99
Rainfall Intensity 2 hour, 1 year water quali I<sub>1</sub> = 1.25 inches  $_{\text{F}} = (0.99) \times (1.25 \text{ in.}) \times (1 \text{ ft } / 12 \text{ in}) \times (2,180 \text{ s.f.}) = 225 \text{ c.f.}$ 

rench Section: 12 inch (1.5 foot) diar ench surrounded by filter fabric. ne area at 0.40 void ratio + pipe area. or  $\pi(0.50^2) = 4.07 \text{ s.f.}$  or  $\pi(0.50^2) = 4.07 \text{ s.f.}$  or  $\pi(0.50^2) = 4.07 \text{ c.f. per l.f.}$ leter perforated pipe in a 3 foot x 3 foot

Design permeability rate over the bottom area of the trench for the 24-hour storm duration. In accordance with the USDA Soil Survey of Monmouth County, New Jersey, the site is underlain with Klej (KkgB) soils, which have an average permeability rate of greater than 6 in/hr.

1000 SE

VEN (7) DAYS F

OR TO EXCAVATION FOR FIELD MARK OUT OF

in)  $\times$  (4.07 s.f./l.f.)  $\times$  (2 hr) = **4.07 s.f.**, **4.07 c.f.** per l.f.

I, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE ALL ALL SITE WORK SHALL BE COMPLETED IN ACCORDANCE WITH THESE THE PERMITTING AUTHORITY.

IF UTILITIES EXIST WITHIN THE AREA OF PROPOSED IMPROVEMENTS. NOTIFY THE ENGINEER IMMEDIATELY TO ANALYZE ANY POTENTIAL

= [V<sub>S1</sub> ER L.F.] X L (in feet)

LEGEND

EX. WOODS LINE PROP. CLEARING LIMIT

EX. CONTOUR

EX. EASEMENT MARKER TEST PIT & PERMEABILITY TEST LOCATION

MSC ENTERPRISES, LLC 22 SOUTH HOPE CHAPEL ROAD JACKSON, NEW JERSEY 08527

PLOT PLAN & SEPTIC SYSTEM DESIGN

BLOCK 151

M.B.S.L

DIRECTION OF OVERLAND STORMWATER FLOW

INIMUM BUILDING SETBACK LINE

PROP. CONTOUR

PROP. SEPTIC TANK, 1,350 GAL.

PROP. SPOT ELEVATION

Office Location: 958 Adelphia Road Adelphia, NJ 07710 Certific TAX LOT 9.13 PLOT PLAN WITH SEPTIC LAYOUT TOWNSHIP OF HOWELL MONMOUTH COUNTY, NEW JERSEY PO Box 249 Adelphia, NJ 07710 thorization No. 24GA28105200 DUCHESS COURT

ive & Comp		Consulting Engineers & Planners  Civil • Site • Transportation  any Traffic • Municipal	
	DO B 340	= -	

ROBERT D. SIVE No. 43816

1 OF 2 2736.13A

DRAWN BY:
DESIGNED BY:
CHECKED BY:

GC RS