DRAINAGE CALCULATIONS

V = ARC
A = TRIBUTARY AREA IN SQUARE FEET
R = 2" RAINFALL = 0.167 FT.
C = COEFFICIENT OF RUNOFF = 0.2 (LANDSCAPED)
1.0 (PAVED)

DRAINAGE CONTRIBUTION AT CATCH BASIN #1 & #2:
(AREA I)
USE (4) - 10'Φ @ 8' EFF. DEPTH LEACHING POOLS = 2,184.44 FT.^{3} PROVIDED

DRAINAGE CONTRIBUTION AT CATCH BASIN #3 & #4:
(AREA II)
USE (4) - 10'Φ @ 8' EFF. DEPTH LEACHING POOLS = 2,184.44 FT.^{3} PROVIDED

VOLUME REQUIRED:
LANDSCAPED AREA = 31,232.44 SQ.FT. x 0.167 FT. x 0.20 = 1243.56 FT.^{3}
PAVED AREA = 18,196.23 SQ.FT. x 0.167 FT. x 1.0 = 3038.77 FT.^{3}
TOTAL VOLUME REQUIRED = 4282.33 FT.^{3}

TOTAL VOLUME PROVIDED: = 4378.88 FT.^{3}

DRAINAGE CONTRIBUTION AT CATCH BASIN #5 & #6:
(AREA III)

VOLUME REQUIRED:
LANDSCAPED AREA = 153,754.21 SQ.FT. x 0.167 FT. x 0.20 = 5135.39 FT.^{3}
PAVED AREA = 8606.67 SQ.FT. x 0.167 FT. x 1.0 = 1437.31 FT.^{3}
TOTAL VOLUME REQUIRED = 6572.70 FT.^{3}

USE (10) - 10'Φ @ 10' EFF. DEPTH LEACHING POOLS = 6842 FT.^{3} PROVIDED

DRAINAGE CONTRIBUTION AT CATCH BASIN #7 & #8:
(AREA IV)

VOLUME REQUIRED:
LANDSCAPED AREA = 133,270.09 SQ.FT. x 0.167 FT. x 0.20 = 4451.22 FT.^{3}
PAVED AREA = 9,860 SQ.FT. x 0.167 FT. x 1.0 = 1646.82 FT.^{3}
TOTAL VOLUME REQUIRED = 6097.84 FT.^{3}

USE (8) - 10'Φ @ 12' EFF. DEPTH LEACHING POOLS = 6568.32 FT.^{3} PROVIDED

NOTES:

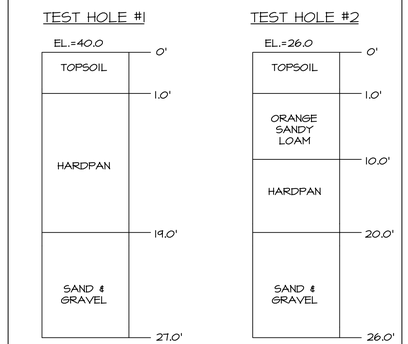
1. DRAINAGE TO CONFORM TO THE STANDARD AND SPECIFICATIONS OF THE TOWN OF SOUTHAMPTON.

2. ALL CONNECTION PIPING TO BE MANUFACTURED FROM SMOOTH WALL CORRUGATED PLASTIC WITH A MIN. DIAMETER OF 15" AT 1% MIN.

3. ALL LEACHING POOLS BEYOND CATCH BASIN TO HAVE MANHOLE FRAME AND COVER TO GRADE.

4. THE LOW AREAS SHALL BE FILLED AND COMPACTED AT 1 FOOT INTERVALS TO PROPOSED ELEVATION.

TEST HOLE DATA
(WITNESSED BY SCDHS)



LOT #	AREA
1	50,410 SQ.FT.
2	45,338 SQ.FT.
3	45,310 SQ.FT.
4	50,978 SQ.FT.
5	50,835 SQ.FT.
6	51,321 SQ.FT.
7	48,430 SQ.FT.
8	47,375 SQ.FT.

LEGEND

- PROPERTY LINE
- WATER LINE — W
- EXISTING CONTOUR — 100
- PROPOSED CONTOUR — (100)
- CONTOUR TO BE REDIRECTED
- TRIBUTARY AREA
- SETBACK
- STORM WATER — SD
- PROPOSED 2" BLOW OFF VALVE
- PROPOSED FIRE HYDRANT
- TEST HOLE LOCATION
- PROPOSED LIGHT POLE

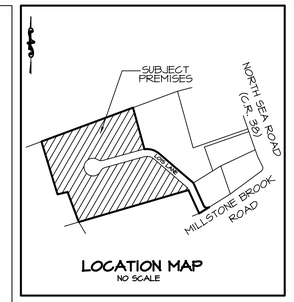
NOTE:
1. SAWCUT EXISTING PAVEMENT TO MEET NEW.

2. CURB ALIGNMENT AND LOCATION TO BE DETERMINED BY THE TOWN OF SOUTHAMPTON HIGHWAY DEPARTMENT.

3. RELOCATE UTILITY POLES AND HYDRANTS AS NECESSARY.

NOTE:
ALL UNSUITABLE LEACHING SOILS BELOW THE PROPOSED LEACHING STRUCTURES SHALL BE EXCAVATED AND REMOVED AND REPLACED WITH SUITABLE PERCOLATING SOILS (SAND AND GRAVEL). ALL DRAINAGE EXCAVATIONS MUST BE INSPECTED BY THE TOWNS AUTHORIZED REPRESENTATIVE PRIOR TO BACKFILL.

NOTE:
PROVIDE 2" DRAINAGE FOR ALL FUTURE IMPERVIOUS SURFACES INCLUDING ROOFS, DRIVEWAYS AND TENNIS COURTS.



LOCATION MAP
NO SCALE

ROAD & DRAINAGE PLAN FOR:
GREEN ISLAND ESTATES
SITUATED AT
NORTH SEA
TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NEW YORK
S.C.T.M.# 900-77-01-17.3
900-77-01-17.12

AREA: 448,598.81 SQ.FT.
10.298 ACRES

BASED ON ORIGINAL SURVEY BY:
JOSEPH A. INGEGNO
LAND SURVEYOR
P.O. BOX 1931
RIVERHEAD, NY 11901
TEL: (631) 727-2090
FAX: (631) 727-1727

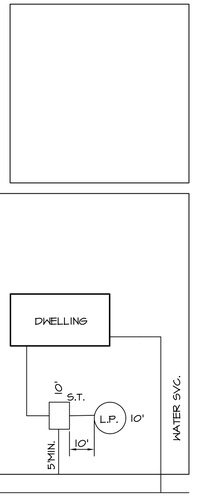
DATE: MARCH 12, 2002
(REV. OCTOBER 8, 2004)

SCALE: 1"=60'-0"

OWNERS & APPLICANTS:
HENRY KREYMBORG
& JANICE KREYMBORG
15 MILLSTONE ROAD
SOUTHAMPTON, NY 11968

ALFRED STEPHEN KREYMBORG
1719 NORTH SEA ROAD
SOUTHAMPTON, NY 11968

SITE DATA:
NUMBER OF LOTS: 8
AVG. REG. DENSITY: 1 D.U./1.29 ACRES
POSTAL DISTRICT: SOUTHAMPTON
SCHOOL DISTRICT: SOUTHAMPTON
FIRE DISTRICT: NORTH SEA
ZONING DISTRICT: R-40
ASSUMED DATUM



TYPICAL PLOT LAYOUT
NO SCALE

S.C.D.H.S. REF. # 509-04-0009

NOTE:
THERE ARE NO WELLS WITHIN 150 FEET OF PROPERTY

N/O/F
ALFRED STEPHEN KREYMBORG

S.F.D.
N/O/F
JOHN L. GRIFFIN &
SUSAN B. GRIFFIN

EDGE OF WOODS

659.01'
168.28'
184.23'
305.98'
N 64°43'00" E
S 15°27'50" W
N 15°27'50" E
S 15°27'50" W
N 64°43'00" E
N 64°43'00" E
N 16°36'10" W
150.00'
S 64°43'00" W
N 64°43'00" E
N 16°36'10" W
171.00'
S 53°17'47" W
S 53°17'47" W
R=60.00'
L=48.82'
R=60.00'
L=48.82'
R=40.00'
L=34.53'
N 74°32'10" E
124.60'
N 74°32'10" E
150.32'
R=125.00'
L=17.41'
R=125'
L=109.06'
R=175.00'
L=73.48'
N 74°32'10" E
32.48'
S 40°19'40" E
305.59'
N 74°32'10" E
150.61'
N 74°32'10" E
91.22'
N 74°32'10" E
R=40.00'
L=34.53'
R=60.00'
L=48.82'
R=60.00'
L=66.12'
S 16°18'00" E
S 16°18'00" E
S 16°18'00" E
S 16°18'00" E
S 24°42'00" E
N 24°42'10" W
18.52'
S 24°42'00" E
N 24°42'10" W
S 73°42'00" W
S 73°42'00" W
S 73°42'00