

NOTTINGHAM HILLS SUBDIVISION

PHASE 4

EAST LYME, CONNECTICUT

| PAGE NO. | DESCRIPTION |
|----------|------------------------------|
| SD1 | COVER SHEET |
| SD2 | LOT LAYOUT 20 & 32 |
| SD3 | LOT LAYOUT 29 |
| SD4 | GRADING AND E&S PLAN 20 & 32 |
| SD5 | GRADING AND E&S PLAN 29 |

LEGEND

| | |
|--|---|
| | DEEP TEST HOLE |
| | PERCOLATION TEST |
| | IRON PIN TO BE SET |
| | MONUMENT TO BE SET |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | BUILDING LINE |
| | WATER LINE |
| | UTILITIES (PHONE, ELEC, CABLE TV, ETC.) |
| | PROPOSED SEWER LINE |
| | FOUNDATION DRAIN |
| | UTILITY POLE |
| | EXISTING SPOT ELEV. |
| | PROPOSED SPOT ELEV. |
| | TREE LINE / LIMITS OF CLEARING |
| | F.F. FINISH FIRST FLOOR |
| | F.B.F. FINISH BASEMENT FLOOR |
| | G.F. FINISH GARAGE FLOOR |
| | WETLANDS FLAG |
| | EXISTING WOODS ROAD |
| | SILT FENCE |
| | POSSIBLE HOUSE LOCATION |
| | GUARD RAIL |
| | SOIL TYPE DELIMITATION |
| | SOIL TYPE |
| | SHADE TREE TO BE PLANTED |
| | LIMIT WETLANDS REVIEW AREA |
| | CATCH BASIN |



SITE LOCATION MAP
SCALE 1" = 800'

| LOT# | MIN LOT AREA (SQ) | AREA PROVIDED | FRONTAGE | | MIN AREA OF BUILDABLE LAND | | |
|------|-------------------|-------------------|----------|-----------|----------------------------|----------------------|------------|
| | | | REQ'D | PROVIDED | WETLANDS % OF MABL | SLOPES>25% % OF MABL | % EASEMENT |
| 20 | 40,000 | 1,437,367.39 S.F. | 25 FT | 25.00 FT | 0 | 0 | 0 |
| 29 | 40,000 | 1,324,96.04 S.F. | 25 FT | 326.11 FT | 0 | 0 | 0 |
| 37 | 40,000 | 654,536.89 S.F. | 25 FT | 88.86 FT | 0 | 0 | 0 |

ZONING COMPLIANCE CHART

| ZONE = RU-40(CLUSTER/OPEN SPACE) | REQUIRED |
|----------------------------------|-------------|
| MINIMUM LOT SIZE | 40,000 S.F. |
| AVERAGE FRONTAGE | 100 FT. |
| MINIMUM FRONT YARD | 20 FT. |
| MINIMUM SIDE YARD | 15 FT. |
| MINIMUM REAR YARD | 30 FT. |
| MAXIMUM BUILDING COVERAGE | 15 % |
| MAXIMUM BUILDING HEIGHT | 30 FT. |

| NO. | DATE | DESCRIPTION | BY |
|-----|----------|---|-----|
| 3 | 11/18/10 | REVISED NOTES AS PER APPROVAL OF 11/16/10 | JRP |
| 2 | 11/16/10 | ZONING TABLE ADDED AND NOTES REVISED | JRP |
| 1 | 11/12/10 | REVISIONS AS PER TOWN SANITARIAN | JRP |

NOTES

- THIS SURVEY AND MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF THE CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. IT IS AN ORIGINAL SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2. IT IS INTENDED FOR SUBDIVISION APPROVAL.
- ELEVATION BASED ON NGVD 29 DATUM. TOPOGRAPHY FROM FIELD MEASUREMENTS AND AERIAL SURVEY CONFORMING TO CLASS T-3 TOPOGRAPHIC SURVEY ACCURACY.
- THIS SITE IS LOCATED IN A RU-40 ZONE.
- EACH LOT IS TO BE SERVICED BY INDIVIDUAL ON SITE SEWAGE DISPOSAL AND ON SITE WELL.
- TOTAL AREA OF ALL PHASE IS = 111.69 AC.
- POSSIBLE BUILDING, SEPTIC SYSTEM AND DRIVEWAYS ARE SHOWN TO DEPICT SITE ADEQUACY ONLY. FINAL LOCATION WILL BE DETERMINED AT THE TIME OF BUILDING PERMIT.
- ANY WORK WITHIN THE WETLANDS OR THE REGULATED UPLANDS OTHER THAN THAT SHOWN ON THIS MAP REQUIRES REVIEW BY THE EAST LYME CONSERVATION COMMISSION.
- OWNER OF RECORD: NEW ENGLAND NATIONAL LLC
P.O. BOX 609
EAST LYME, CT. 06333
- APPLICANT: NEW ENGLAND NATIONAL LLC C/O JEFF TORRANCE
P.O. BOX 452
EAST LYME, CT
- STONEWALLS AND WIRE FENCES MAY HAVE MINOR IRREGULARITIES BETWEEN PRINCIPAL COURSES SHOWN.
- WETLANDS MARKS AS DEPICTED HEREON ARE MARKED BY DON FORTUNATO CERTIFIED SOIL SCIENTIST.
- AREA OF OPEN SPACE DEDICATE FOR ALL PHASES OF THIS SUBDIVISION = 23.2 AC ALONG AUNT RUTH'S TURNPIKE. THIS AREA AND ROW TO THIS OPEN SPACE ARE NOT INCLUDED IN THE AREA OF THE SUBDIVISION, AND 19.24 AC OF CONSERVATION EASEMENT WHICH AREA IS INCLUDED IN THE SUBDIVISION.
- THE USE OF PASSIVE SOLAR ENERGY TECHNIQUES HAVE BEEN CONSIDERED IN THE DESIGN OF THIS SUBDIVISION. THE SITE HAS BEEN DESIGNED TO TAKE ADVANTAGE OF THE NATURAL SLOPES TO ALLOW HOMES IN A SUBSTANTIAL PORTION OF THE SUBDIVISION TO HAVE DIRECT ACCESS TO PREVAILING BREEZES DURING SUMMER MONTHS. IN ADDITION, THE PUBLIC ROAD HAS BEEN DESIGNED TO FOLLOW THE CONTOURS OF THE LAND AND THEREFORE NOT DISRUPT THE NATURAL WIND PATTERNS. FINALLY, TO THE EXTENT POSSIBLE ALL NATURAL VEGETATION HAS BEEN MAINTAINED.
- JEFF TORRANCE UPPER PATTAGANSETT ROAD IS THE INDIVIDUAL RESPONSIBLE FOR INSTALLATION, MONITORING AND CORRECTION OF ALL E&S MEASURES.
- THE INLAND WETLANDS AGENCY HAS APPROVED PROPOSED LOT 29 AS A BUILDING LOT WITH THE CONDITION THAT A PERMIT BE OBTAINED PRIOR TO ANY CONSTRUCTION ACTIVITY FROM THE AGENCY OR ITS AGENT.
- PERMANENT MARKERS ARE TO BE PLACED ALONG THE BOUNDARY OF THE CONSERVATION EASEMENT.
- NOTIFY CONSERVATION OFFICER AT LEAST 2 DAYS PRIOR TO CONSTRUCTION TO INSPECT EROSION CONTROLS.
- NOTIFY CONSERVATION OFFICER AT THE COMPLETION OF PERMIT FOR FINAL INSPECTION AND SIGN OFF.
- ANY ADDITIONAL WORK BEYOND WHAT IS SHOWN ON PLANS WITHIN THE WETLANDS OR 100' UPLAND REVIEW AREA WILL REQUIRE APPROVAL FROM THE CONSERVATION COMMISSION OR ITS CERTIFIED AGENT.
- ENGINEERED SEPTIC SYSTEMS WILL BE REQUIRED ON ALL LOTS.
- PHASE 4 FALLS ENTIRELY WITHIN FLOOD ZONE C (AREAS OF MINIMAL FLOODING).
- THE CONSTRUCTION OF OR BONDING OF THE STORMWATER DETENTION BASINS/SWALES SHALL BE COMPLETED PRIOR TO RECEIVING A BUILDING PERMIT FOR EACH LOT.
- THE DESIGN OR LOCATION OF THE DETENTION STRUCTURE PROPOSED ON EACH LOT MAY BE MODIFIED TO ACCOMMODATE THE FINAL LOT CONFIGURATION AND EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION PROVIDED THE OVERALL VOLUME OF THE DETENTION AND FUNCTIONALITY IS MAINTAINED WITH THE MODIFICATIONS AND SUCH MODIFICATIONS ARE SATISFACTORY TO THE TOWN ENGINEER. ACCORDING TO THE APPLICANT, IT IS UNDERSTOOD THAT THE OWNER(S) OF EACH LOT IN THE SUBDIVISION, SHALL BE RESPONSIBLE FOR THE STORMWATER MANAGEMENT SYSTEM.

FILED IN EAST LYME TOWN
CLERK'S OFFICE
10/26/2021 9:40 AM
Esther B. Williams
EAST LYME TOWN CLERK

SURVEY NOTES

- MAP REFERENCES:
 - PLAN OF PROPERTY TO BE CONVEYED BY J.C. PENNY COMPANY, INC IN THE TOWN OF EAST LYME, CONN. SCALE 1" = 100' DATED JUNE 23, 1989 BY CHANDLER, PALMER & KING NORWICH, CONN.
 - PROPERTY SURVEY LAND OF SONIA ZAMMATARO JOANNA McCAFFREY AND STEPHEN SAWITZKI TO BE CONVEYED TO NIANTIC REALTY LLC EAST LYME CONNECTICUT DATED 5-13-02 SCALE 1" = 150'
 - BY ANCHOR ENGINEERING SERVICES, INC. GLASTONBURY CT.
 - PROPERTY SURVEY PREPARED FOR LEWIS B. BULL UPPER PATTAGANSETT ROAD EAST LYME, CONNECTICUT, SCALE 1" = 40' DATED JAN. 89 BY JOHN KOPKO JR. & ASSOCIATES, INC.
 - BOUNDARY SURVEY 191 UPPER PATTAGANSETT ROAD EAST LYME, CT. PROPERTY OF LEWIS S. & JEAN E. BULL, SCALE 1" = 100' DATED DEC. 10, 1996 BY DAVID COONROD L.L.S.
 - NOTTINGHAM HILLS SUBDIVISION NIANTIC REAL ESTATE, LLC, BOUNDARY PLAN, SCALE 1" = 100' DATED MAY 4, 2001 REV. THRU 11-30-01 BY ANCHOR ENGINEERING SERVICES, INC.
 - SUBDIVISION PLAN 2 LOT SUBDIVISION PREPARED FOR TORRANCE FAMILY LMIYED PARTNERSHIP KENSINGTON DRIVE EAST LYME, CONNECTICUT DATED 4-30-03, REVISED THRU 5-23-03, SCALE 1" = 50' BY ANCHOR ENGINEERING SERVICES, INC.
 - LOT LINE REVISION LOT 7 NOTTINGHAM HILLS SUBDIVISION PREPARED FOR NIANTIC REAL ESTATE, LLC KENSINGTON DRIVE EAST LYME, CONNECTICUT DATED 3-28-03, REVISED THRU 5-6-03, SCALE 1" = 40' BY ANCHOR ENGINEERING SERVICES, INC.
 - LAND TO BE CONVEYED TO NIANTIC REAL ESTATE LLC FROM ROBERT A. BLATT UPPER PATTAGANSETT ROAD EAST LYME CONNECTICUT SCALE 1" = 100' DATED 10-23-03 BY J. ROBERT PFANNER & ASSOCIATES P.C.
- NORTH IS CONNECTICUT GRID SYSTEM NAD 27
- ELEVATIONS ARE FROM AERIAL SURVEY BASED ON NGVD 29

Erosion and Sedimentation Control Plan Certified by vote of the East Lyme Planning Commission on 11/16/2010
Date: 11/16/2010
Chairman or Secretary: [Signature]

THIS MAP AND SURVEY CONFORMS TO A CLASS A-2 SURVEY AND TO THE BEST OF MY KNOWLEDGE AND BELIEF IS SUBSTANTIALLY CORRECT AS NOTED HEREON (SEE NOTE 1).

ROBERT PFANNER PE, LS No. 9442

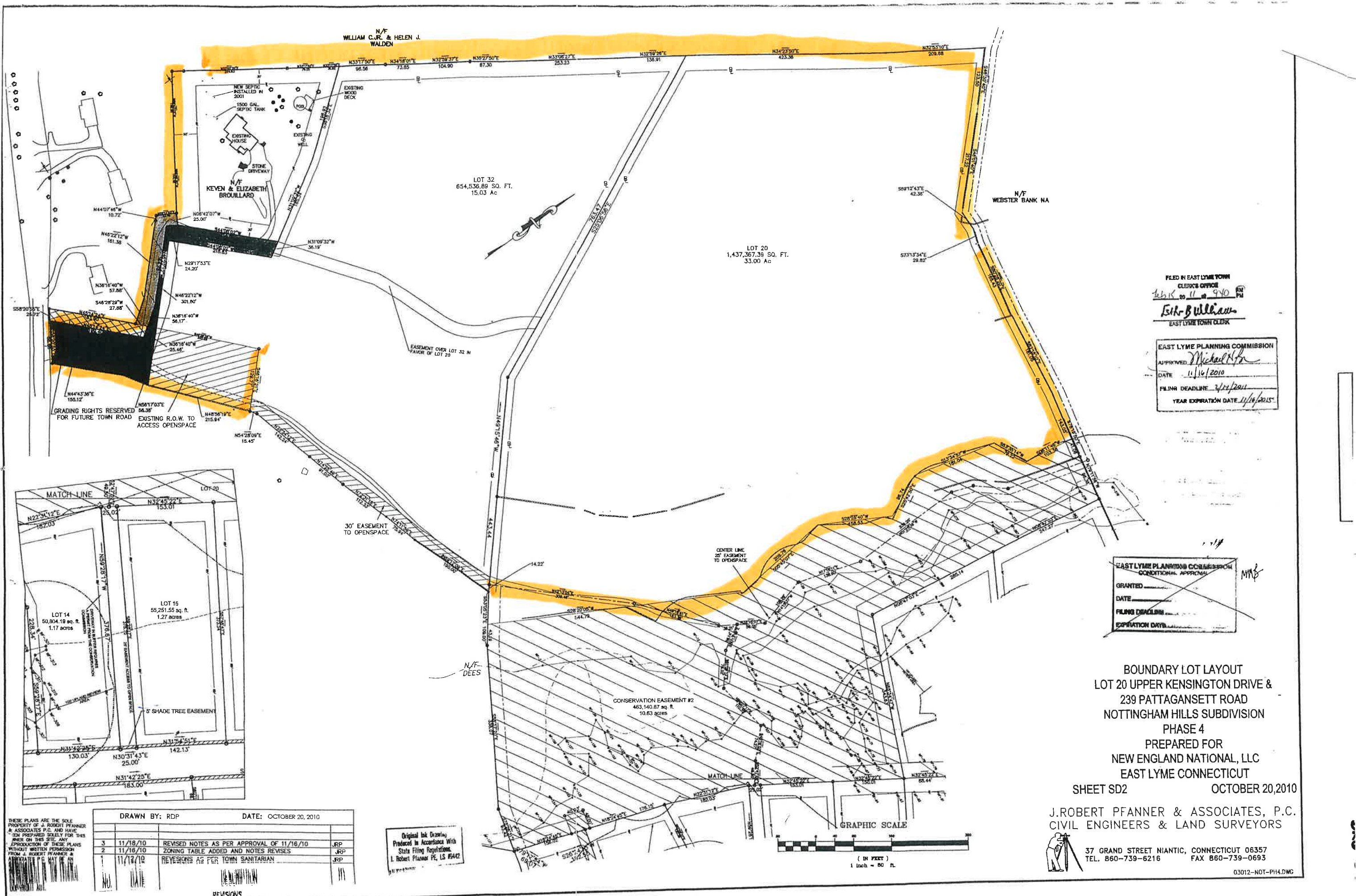
NOTTINGHAM HILLS RESUBDIVISION
PHASE 4

NEW ENGLAND NATIONAL, LLC
East Lyme, Connecticut
SHEET SD1
OCTOBER 20, 2010

J.ROBERT PFANNER & ASSOCIATES, P.C.
CIVIL ENGINEERS & LAND SURVEYORS

37 GRAND STREET NIANTIC, CONNECTICUT 06357
TEL. 860-739-6216 FAX 860-739-0693

03012-NOT-PH4



FILED IN EAST LYME TOWN
CLERK'S OFFICE
2010 11 16 940 PM
Esther Williams
EAST LYME TOWN CLERK

EAST LYME PLANNING COMMISSION
APPROVED: *Michael H. H.*
DATE: 11/16/2010
FILING DEADLINE: 2/11/2011
YEAR EXPIRATION DATE: 11/16/2015

~~EAST LYME PLANNING COMMISSION
CONDITIONAL APPROVAL
GRANTED
DATE
FILING DEADLINE
EXPIRATION DATE~~ MMB

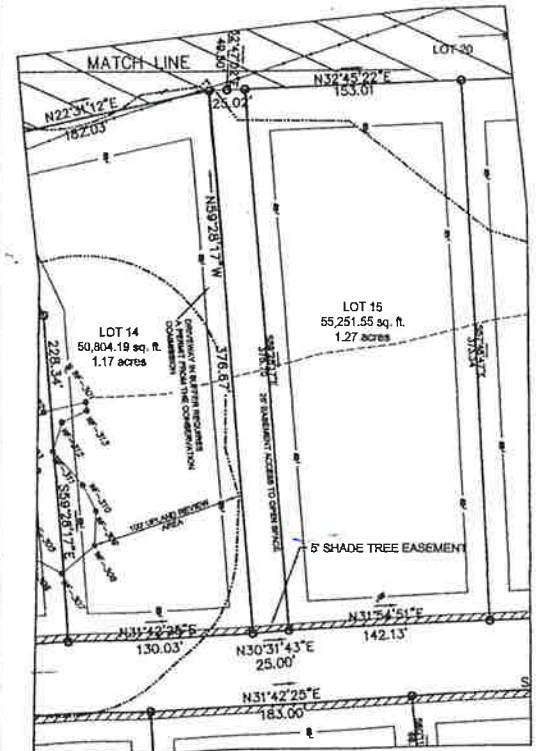
BOUNDARY LOT LAYOUT
LOT 20 UPPER KENSINGTON DRIVE &
239 PATTAGANSETT ROAD
NOTTINGHAM HILLS SUBDIVISION
PHASE 4
PREPARED FOR
NEW ENGLAND NATIONAL, LLC
EAST LYME CONNECTICUT
SHEET SD2 OCTOBER 20, 2010

J. ROBERT PFANNER & ASSOCIATES, P.C.
CIVIL ENGINEERS & LAND SURVEYORS



37 GRAND STREET NIANTIC, CONNECTICUT 06357
TEL. 860-739-6216 FAX 860-739-0693

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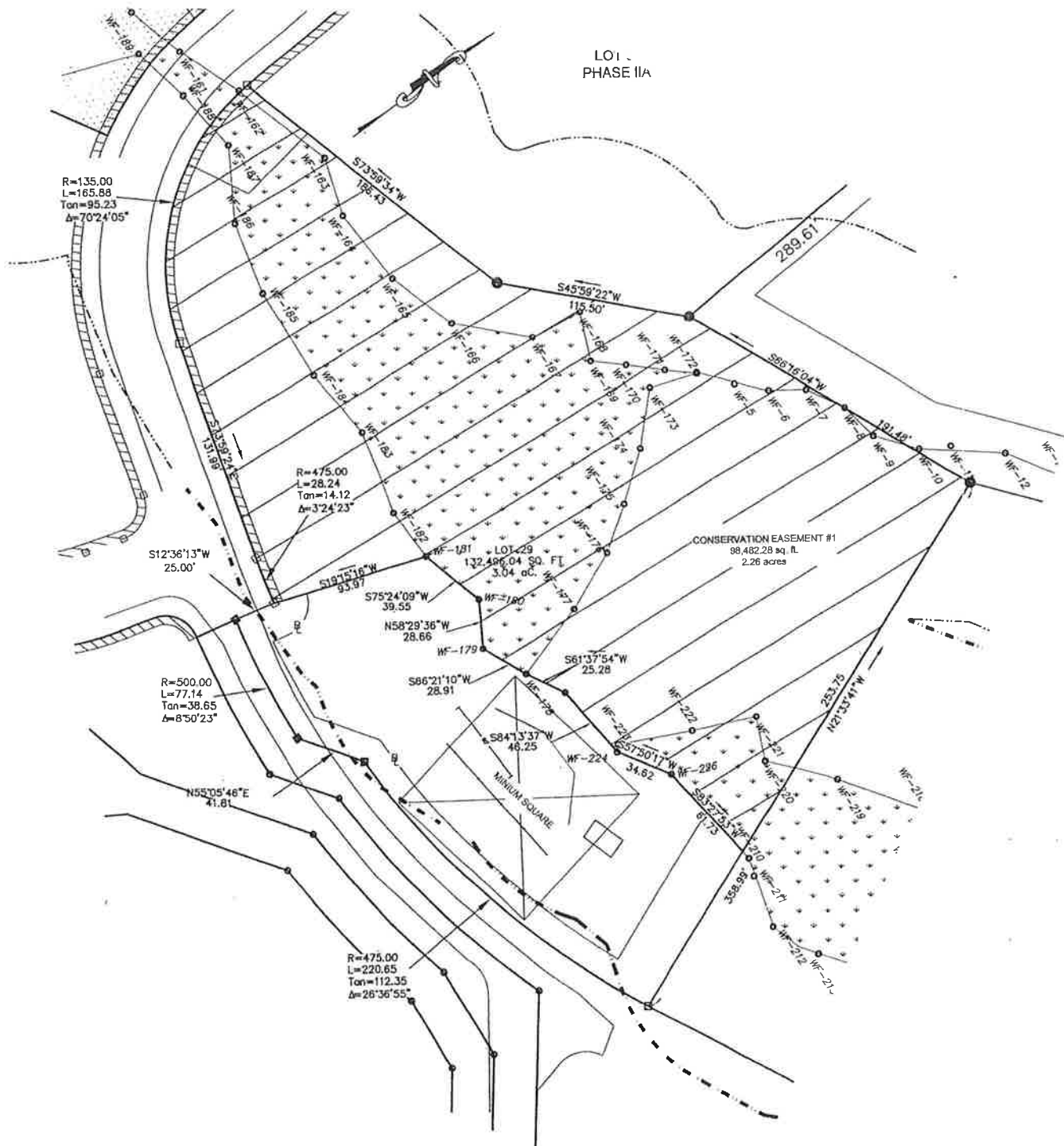


| DRAWN BY: RDP | | DATE: OCTOBER 20, 2010 | |
|---------------|----------|---|-----|
| 3 | 11/18/10 | REVISED NOTES AS PER APPROVAL OF 11/16/10 | JRP |
| 2 | 11/16/10 | ZONING TABLE ADDED AND NOTES REVISED | JRP |
| 1 | 11/12/10 | REVISIONS AS PER TOWN SANITARIAN | JRP |

Original Ink Drawing
Printed in Accordance With
State Filing Regulations
J. Robert Pfanner PE, LS #5442

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REVISIONS



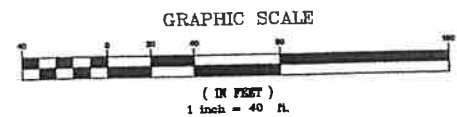
- TEST PIT 1A
 0 - 9" DARK BROWN TOPSOIL
 9 - 32" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 32-39" MEDIUM BROWN FINE SILTY LOAM
 39-64" GREY MIX SANDY LOAM W/ SILTY LOAM
 64-85" DARK GREY MEDIUM SILTY LOAM WET
 NO LEDGE, MOTTLING @ 39"
- TEST PIT 2A
 0 - 7" DARK BROWN TOPSOIL
 7 - 21" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 21-42" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
 42-61" GREY MIX SANDY LOAM W/ SILTY LOAM
 61-95" DARK GREY MEDIUM SILTY LOAM MOIST
 NO LEDGE, MOTTLING @ 21"
- TEST PIT 3A
 0 - 7" DARK BROWN TOPSOIL
 7 - 29" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 29-42" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
 42-64" GREY MIX SANDY LOAM W/ SILTY LOAM
 64-87" DARK GREY MEDIUM SILTY LOAM MOIST
 NO LEDGE, MOTTLING @ 21"
- TEST PIT 4A
 0 - 6" DARK BROWN TOPSOIL
 6 - 27" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 27-42" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
 42-70/77" DARK GREY MEDIUM SILTY LOAM MOIST
 NO LEDGE, MOTTLING @ 27"
- TEST PIT 5A
 0 - 6" DARK BROWN TOPSOIL
 6 - 26" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 26-45" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
 45-78" DARK GREY MEDIUM SILTY LOAM MOIST
 NO LEDGE, MOTTLING @ 27"
- TEST PIT 6A
 0 - 6" DARK BROWN TOPSOIL
 6 - 23" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 23-31" MEDIUM SAND W/ ROCK
 31-48" GREY MIX FINE SILTY LOAM POCKETS MED SAND
 48-84" DARK GREY MEDIUM SILTY LOAM W/ROCK
 NO LEDGE, MOTTLING @ 31"
- TEST PIT 7A
 0 - 8" DARK BROWN TOPSOIL
 7 - 26" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 26-58" MEDIUM BROWN/GRAY FINE-MEDIUM SANDY LOAM W/ROCK
 LEDGE 58-62", MOTTLING @ 26", WATER @ 52"
- TEST PIT 8A
 0 - 7" DARK BROWN TOPSOIL
 7 - 24" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 24-48/60" MEDIUM SAND W/ROCK
 48-90" GREY FINE SILTY LOAM W/ POCKETS MED. SAND
 NO LEDGE, MOTTLING @ 48" WATER @ 90"
- TEST PIT 9A
 0 - 6" DARK BROWN TOPSOIL
 6 - 24" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 24-40" TAN MEDIUM SAND W/ ROCK
 40-56" GREY FINE SILTY LOAM W/POCKETS MEDIUM SAND
 56-96" DARK GREY WET SILTY LOAM
 NO LEDGE, MOTTLING @ 40", WATER @ 96"
- TEST PIT 10A
 0 - 6" DARK BROWN TOPSOIL
 6 - 32" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 32-40" GREY FINE SILTY LOAM
 32-49/67" TAN ROTTEN/BROKEN ROCK AND SAND
 LEDGE @ 49-67", MOTTLING @ 32"
- TEST PIT 11A
 0 - 6" DARK BROWN TOPSOIL
 6 - 24" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 24-41" TAN MEDIUM SAND W/ GRAVEL
 41-80" GREY MEDIUM SILTY LOAM W/ ROCK
 80-94" GREY MEDIUM SILTY LOAM W/ ROCK
 NO LEDGE, MOTTLING @ 41", WATER @ 94"
- TEST PIT 12A
 0 - 6" DARK BROWN TOPSOIL
 6 - 30" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 30-36/48" TAN MEDIUM SAND W/ GRAVE
 LEDGE @ 36-48,
- TEST PIT 13A
 0 - 8" DARK BROWN TOPSOIL
 8 - 29" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 29-56" GREY FINE SILTY LOAM
 56-79" GREY WET SANDY LOAM
 LEDGE @ 87", MOTTLING @ 29", WATER @ 79"
- TEST PIT 14A
 0 - 7" DARK BROWN TOPSOIL
 7 - 26" ORANGE BROWN FINE-MEDIUM SANDY LOAM
 26-44" GREY FINE SILTY LOAM
 44-85" GREY WET SANDY LOAM
 NO LEDGE, MOTTLING @ 26", WATER @ 85"
- TEST PIT OSO2
 0 - 8" DARK BROWN TOPSOIL
 8 - 35" YELLOW BROWN FINE SANDY LOAM
 35-84" LIGHT GREY VERY FINE SANDY LOAM
 NO LEDGE, MOTTLING @ 35"
- TEST PIT OSO1
 0 - 8" DARK BROWN TOPSOIL
 8 - 35" YELLOW BROWN FINE SANDY LOAM
 36-47" LIGHT GREY VERY FINE SANDY LOAM
 47-56" GREY ORANGE ROTTEN ROCK
 56-86" LIGHT GREY VERY FINE SANDY LOAM
 NO LEDGE, MOTTLING @ 35"
- TEST PIT OSO3
 0 - 7" DARK BROWN TOPSOIL
 8 - 34" YELLOW BROWN FINE SANDY LOAM
 34-84" LIGHT GREY VERY FINE SANDY LOAM
 NO LEDGE, MOTTLING @ 34"

| LOT # | PERC RATE | SLOPE | MAX. GW | FF | PF | MLSS |
|-------|-----------|-------|---------|-----|-----|------|
| 20 | 6.6 | 16 | 34 | 2.0 | 1.2 | 43.2 |
| 29 | 8.0 | 16 | 32 | 2.0 | 1.2 | 43.2 |
| 32 | 10.0 | 18 | 27 | 2.0 | 1.2 | 48.0 |

FILED IN EAST LYME TOWN
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 Feb 11 20 11 AM 9 40 PM
Edith B. Williams
 EAST LYME TOWN CLERK

EAST LYME PLANNING COMMISSION
 APPROVED: *Michael K. H...*
 DATE: 11/16/2010
 FILING DEADLINE: 2/17/2011
 YEAR EXPIRATION DATE: 11/16/2015

BOUNDARY LOT LAYOUT
 UPPER KENSINGTON DRIVE
 NOTTINGHAM HILLS SUBDIVISION
 PHASE 4
 NEW ENGLAND NATIONAL, LLC
 East Lyme, Connecticut
 SHEET SD3 OCTOBER 20, 2010



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 J. Robert Pfanner P.E. LS #9442

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|-----------------------------------|----------|---|-----|
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| REVISIONS | | | |



N/F
KEVEN & ELIZABETH
BROUILLARD

42.07' W
10'

5.5' E

LOT 32

LOT 20

RETENTION POND
1320 CF

RETENTION POND
VOL 1000 CF

30' EASEMENT
TO OPENSACE

FILED IN EAST LYME TOWN
CLERK'S OFFICE
10/15/10 9:43 AM
Esther B. Wilkham
EAST LYME TOWN CLERK

EAST LYME PLANNING COMMISSION
APPROVED: *Michael N. B.*
DATE: 11/16/2010
FILING DEADLINE: 2/14/2011
YEAR EXPIRATION DATE: 11/16/2015

GRADING AND E&S PLAN LOT 20&32
LOT 20 UPPER KENSINGTON DRIVE &
239 PATTAGANSETT ROAD
NOTTINGHAM HILLS SUBDIVISION
PHASE 4
PREPARED FOR
NEW ENGLAND NATIONAL, LLC
EAST LYME CONNECTICUT
SHEET SD4 OCTOBER 20, 2010

J. ROBERT PFANNER & ASSOCIATES, P.C.
CIVIL ENGINEERS & LAND SURVEYORS



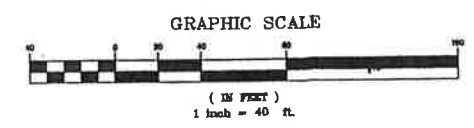
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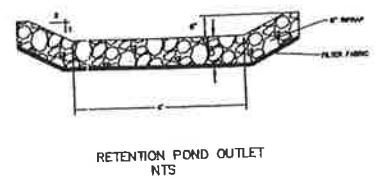
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Original ink Drawing
Produced in accordance with
State Filing Regulations.
J. Robert Pfanner PE, LS #0442





TEST ON 2/29/09
LEDGE LIGHT HEALTH DISTRICT
Ryan McComman RS

TEST PIT 1A
0 - 9" DARK BROWN TOPSOIL
9 - 32" ORANGE BROWN FINE-MEDIUM SANDY LOAM
32-39" MEDIUM BROWN FINE SILTY LOAM
39-54" GREY MIX SANDY LOAM W/ SILTY LOAM
54-85" DARK GREY MEDIUM SILTY LOAM WET
NO LEDGE, MOTTLING @ 39"

TEST PIT 2A
0 - 7" DARK BROWN TOPSOIL
7 - 21" ORANGE BROWN FINE-MEDIUM SANDY LOAM
21-42" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
42-61" GREY MIX SANDY LOAM W/ SILTY LOAM
61-95" DARK GREY MEDIUM SILTY LOAM MOIST
NO LEDGE, MOTTLING @ 21"

TEST PIT 3A
0 - 7" DARK BROWN TOPSOIL
7 - 29" ORANGE BROWN FINE-MEDIUM SANDY LOAM
29-42" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
42-64" GREY MIX SANDY LOAM W/ SILTY LOAM
64-87" DARK GREY MEDIUM SILTY LOAM MOIST
NO LEDGE, MOTTLING @ 21"

TEST PIT 4A
0 - 6" DARK BROWN TOPSOIL
6 - 27" ORANGE BROWN FINE-MEDIUM SANDY LOAM
27-42" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
42-70/77" DARK GREY MEDIUM SILTY LOAM MOIST
NO LEDGE, MOTTLING @ 27"

TEST PIT 5A
0 - 6" DARK BROWN TOPSOIL
6 - 26" ORANGE BROWN FINE-MEDIUM SANDY LOAM
26-45" MEDIUM BROWN FINE SILTY LOAM W/POCKETS MEDIUM SAND
45-78" DARK GREY MEDIUM SILTY LOAM MOIST
NO LEDGE, MOTTLING @ 27"

TEST PIT 6A
0 - 6" DARK BROWN TOPSOIL
6 - 23" ORANGE BROWN FINE-MEDIUM SANDY LOAM
23-31" MEDIUM SAND W/ ROCK
31-48" GREY MIX FINE SILTY LOAM POCKETS MED SAND
48-84" DARK GREY MEDIUM SILTY LOAM W/ROCK
NO LEDGE, MOTTLING @ 31"

TEST PIT 7A
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7 - 26" ORANGE BROWN FINE-MEDIUM SANDY LOAM
26-58" MEDIUM BROWN/GRAY FINE-MEDIUM SANDY LOAM W/ROCK
LEDGE 58-62", MOTTLING @ 26", WATER @ 52"

TEST PIT 8A
0 - 7" DARK BROWN TOPSOIL
7 - 24" ORANGE BROWN FINE-MEDIUM SANDY LOAM
24-48/60" MEDIUM SAND W/ROCK
48-90" GREY FINE SILTY LOAM W/ POCKETS MED. SAND
NO LEDGE, MOTTLING @ 48" WATER @ 90"

TEST-PIT 9A
0 - 6" DARK BROWN TOPSOIL
6 - 24" ORANGE BROWN FINE-MEDIUM SANDY LOAM
24-40" TAN MEDIUM SAND W/ ROCK
40-58" GREY FINE SILTY LOAM W/POCKETS MEDIUM SAND
58-96" DARK GREY WET SILTY LOAM
NO LEDGE, MOTTLING @ 40", WATER @ 96

TEST PIT 10A
0 - 6" DARK BROWN TOPSOIL
6 - 32" ORANGE BROWN FINE-MEDIUM SANDY LOAM
32-40" GREY FINE SILTY LOAM
40-49/67" TAN ROTTEN/BROKEN ROCK AND SAND
LEDGE @ 49-67", MOTTLING @ 32"

TEST PIT 11A
0 - 8" DARK BROWN TOPSOIL
8 - 24" ORANGE BROWN FINE-MEDIUM SANDY LOAM
24-41" TAN MEDIUM SAND W/ GRAVEL
41-60" GREY MEDIUM SILTY LOAM W/ ROCK
60-94" GREY MEDIUM SILTY LOAM W/ ROCK
NO LEDGE, MOTTLING @ 41", WATER @ 94

TEST PIT 12A
0 - 6" DARK BROWN TOPSOIL
6 - 30" ORANGE BROWN FINE-MEDIUM SANDY LOAM
30-36/48" TAN MEDIUM SAND W/ GRAVE
LEDGE @ 36-48,

TEST PIT 13A
0 - 8" DARK BROWN TOPSOIL
8 - 29" ORANGE BROWN FINE-MEDIUM SANDY LOAM
29-58" GREY FINE SILTY LOAM
58-79" GREY WET SANDY LOAM
LEDGE @ 87", MOTTLING @ 29", WATER @ 79

TEST PIT 14A
0 - 7" DARK BROWN TOPSOIL
7 - 26" ORANGE BROWN FINE-MEDIUM SANDY LOAM
26-44" GREY FINE SILTY LOAM
44-85" GREY WET SANDY LOAM
NO LEDGE, MOTTLING @ 26", WATER @ 85"

TEST ON 9/28/10
LEDGE LIGHT HEALTH DISTRICT
Ryan McComman RS

TEST PIT OS02
0 - 8" DARK BROWN TOPSOIL
8 - 35" YELLOW BROWN FINE SANDY LOAM
35-84" LIGHT GREY VERY FINE SANDY LOAM
NO LEDGE, MOTTLING @ 35"

TEST PIT OS01
0 - 8" DARK BROWN TOPSOIL
8 - 35" YELLOW BROWN FINE SANDY LOAM
36-47" LIGHT GREY VERY FINE SANDY LOAM
47-56" GREY ORANGE ROTTEN ROCK
56-96" LIGHT GREY VERY FINE SANDY LOAM
NO LEDGE, MOTTLING @ 35"

TEST PIT OS03
0 - 7" DARK BROWN TOPSOIL
8 - 34" YELLOW BROWN FINE SANDY LOAM
34-84" LIGHT GREY VERY FINE SANDY LOAM
NO LEDGE, MOTTLING @ 34"

SOIL TESTING ON 11/18/10
LEDGE LIGHT HEALTH DISTRICT
Ryan McComman RS

Test Hole 'Z'
0 - 5" dark topsoil friable with roots
5 - 29" yellow brown medium sandy loam friable with roots
28 - 36" orange medium sand w/rock loose
36 - 50" tan compact fine silty loam rock
50 - 91" dark grey medium silty loam w/rock
No ledge, no water, redoximorphic features @ 36" & 50"

Test Hole 'Y'
0 - 5" dark topsoil friable with roots
5 - 30" yellow brown medium sandy loam friable with roots
30 - 40" orange medium sand w/rock loose
40 - 79" dark grey medium silty loam w/rock firm
No ledge, no water, redoximorphic features @ 30" & 40"

Test Hole 'X'
0 - 3" dark topsoil friable with roots
3 - 26" yellow brown medium sandy loam friable with roots
26 - 39" orange brown medium silty sand w/rock firm
39 - 73" dark grey medium silty loam w/rock firm
No ledge, no water, redoximorphic features @ 26"

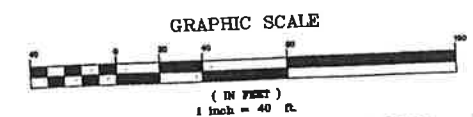
| LOT # | PERC RATE | SLOPE | MAX. GW | FF | PF | MLSS |
|-------|-----------|-------|---------|-----|-----|------|
| 20 | 6.6 | 16 | 34 | 2.0 | 1.2 | 57.6 |
| 29 | 8.0 | 16 | 32 | 2.0 | 1.2 | 48.0 |
| 32 | 10.0 | 18 | 27 | 2.0 | 1.2 | 48.0 |

| LOT | SEPTIC TANK SIZE | LENGTH TOP FED MANITS |
|-----|------------------|-----------------------|
| 20 | 1250 | 70' |
| 29 | 1250 | 70' |
| 32 | 1250 | 70' |

EAST LYME PLANNING COMMISSION
APPROVED: *Michael H. B.*
DATE: 11/16/2010
FILING DEADLINE: 2/14/2011
YEAR EXPIRATION DATE: 11/16/2011

FILED IN EAST LYME TOWN
CLERK'S OFFICE
Feb 15 2011 9:40 AM
Esther B. Williams
EAST LYME TOWN CLERK

GRADING AND E&S PLAN LOT 29
UPPER KENSINGTON DRIVE
NOTTINGHAM HILLS SUBDIVISION
PHASE 4
NEW ENGLAND NATIONAL, LLC
East Lyme, Connecticut
SHEET SD5 OCTOBER 20,2010



J. ROBERT PFANNER & ASSOCIATES, P.C.
CIVIL ENGINEERS & LAND SURVEYORS
37 GRAND STREET NIANTIC, CONNECTICUT 06357
TEL 860-739-6216 FAX 860-739-0693
03012-NOTT-PH7

PERC. TEST BY J. ROBERT PFANNER & ASSOC. P.C.

| PERC. TEST LOT 29 | PERC. TEST LOT 20 | PERC. TEST LOT 32 |
|--|---|---|
| DATE 9/29/10 RUN BY RP DEPTH OF HOLE 30" | DATE 3/4/09 RUN BY RS DEPTH OF HOLE 30" | DATE 3/4/09 RUN BY RS DEPTH OF HOLE 28" |
| PRESOAK 11:00 | PRESOAK 1:00 | PRESOAK 10:00 |
| TIME DISTANCE REFILL | TIME DISTANCE REFILL | TIME DISTANCE REFILL |
| 1:00 10" | 2:30 14" | 11:40 11" |
| 1:10 12 1/8" 2 1/8" | 2:35 15 1/2" 1 1/2" | 11:50 11 1/2" 2 1/2" |
| 1:20 13 1/2" 1 3/8" | 2:40 16 1/2" 1" | 12:00 16" 2 1/2" |
| 1:30 14 3/4" 1 1/4" | 2:45 17 1/2" 3/4" | 12:10 17" 1" |
| 1:40 15 7/8" 1 1/8" | 2:50 18 1/4" 3/4" | 12:20 18" 1" |
| 1:50 17" 1 1/8" | 2:55 19" 3/4" | 12:30 19" 1" |
| 2:00 18 1/4" 1 1/4" | 3:00 19 3/4" 3/4" | 12:30 19" 1" |
| 2:10 19 1/8" 1 1/8" | 3:05 20 1/2" 3/4" | 3:05 20" 1" |

40. MIN./4.625 IN.=8.6 MIN/IN 20 MIN./3.0IN.=6.6 MIN/IN 40 MIN./4.0IN.=10.0 MIN/IN

DRAWN BY: JRP DATE: 10/20/10

| NO. | DATE | DESCRIPTION | BY |
|-----|----------|---|-----|
| 4 | 11/29/10 | SEPTIC TANK CHART REV AND TEST DATA ADDED | RDP |
| 3 | 11/18/10 | REVISED NOTES AS PER APPROVAL OF 11/18/10 | JRP |
| 2 | 11/18/10 | ZONING TABLE ADDED AND NOTES REVISED | JRP |
| 1 | 11/12/10 | REVISIONS AS PER TOWN SANITARIAN | JRP |

Original L.A. Drawing
Prepared in accordance with
State Filing Regulations.
J. Robert Pfanner PE, LS 09442