

LOT 35
N/F DONALD, RONALD AND BRIAN POLLENZ &
MARSHA POLLENZ GRAHAM

LOT 36
N/F ALBERT & RENE LEFEBVRE

LOT 315
N/F RUDOLPH P. &
EVELYN M KLOCZKOWSKI

PLAT 1, LOT 56
EXISTING AREA: 422,113 SF or
9.69 Acres
PROPOSED AREA: 1,049,970 SF or
24.10 Acres

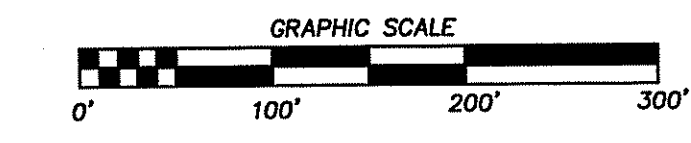
PLAT 1, LOT 37
EXISTING AREA: 1,619,671 or
37.18 Acres
PROPOSED AREA: 991,814 SF or
22.77 Acres

POND

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER
DATED FEB 14 2017 FILE # 16-0255
NO CHANGES ALLOWED WITHOUT THE
APPROVED PLANS MUST BE AT COMPLETION
Marc N. Nyberg

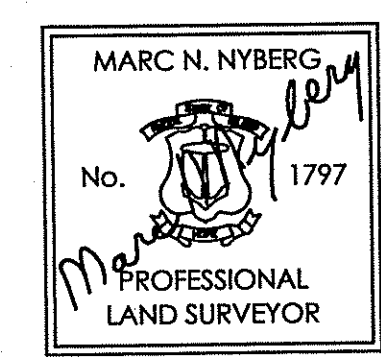
WETLANDS PLAN
for
GARY FERNANDES
PLAT 1, LOTS 37 & 56
NORTH SMITHFIELD, RHODE ISLAND
SEPTEMBER, 2016

REVISED: 1-4-17
SCALE: 1 INCH EQUALS 100 FEET
SHEET 1 OF 4



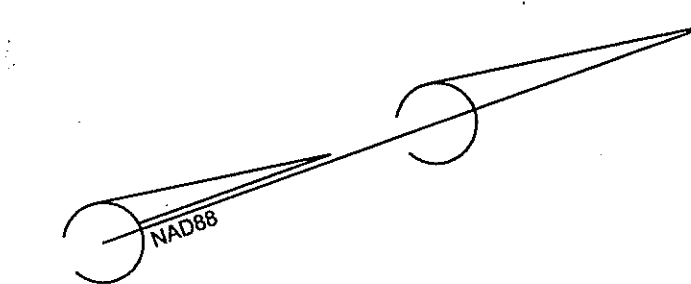
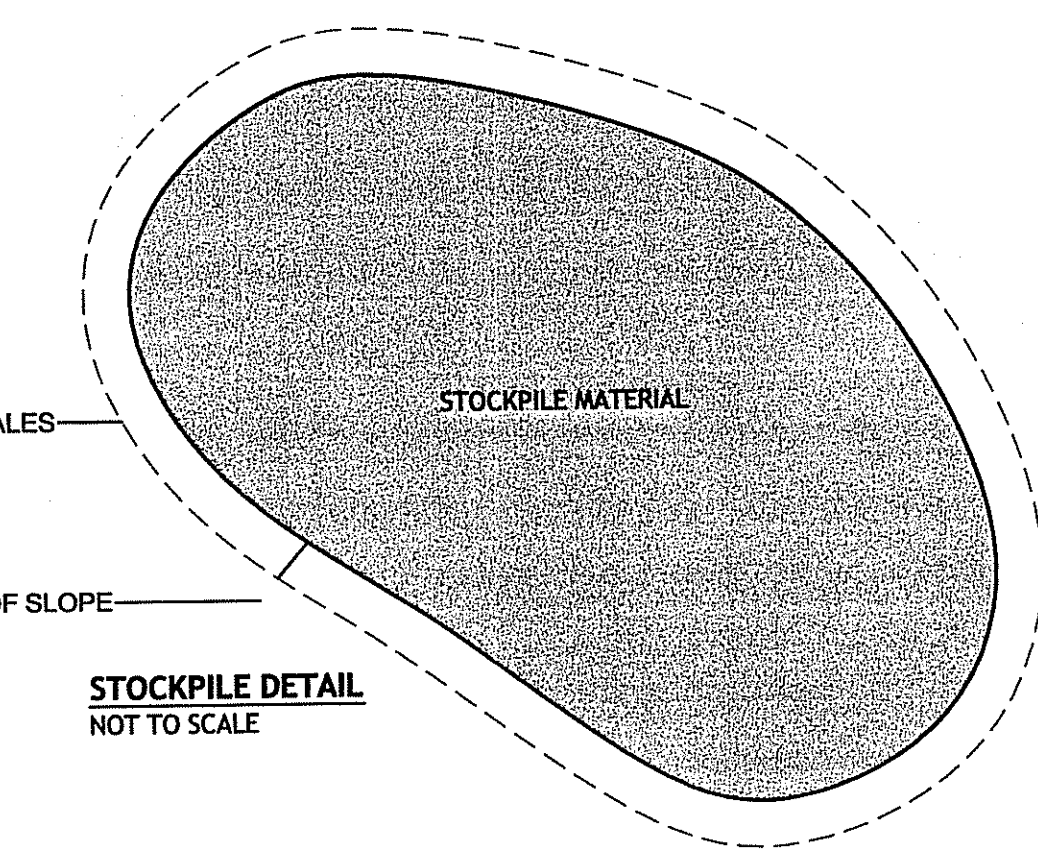
THIS SURVEY AND PLAN CONFORM TO CLASS I STANDARD
AS ADOPTED BY THE RHODE ISLAND BOARD OF
REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

Marc N. Nyberg
REG. PROFESSIONAL LAND SURVEYOR



MARC N. NYBERG ASSOCIATES, INC.
LAND SURVEYORS and PLANNERS
501 GREAT ROAD, UNIT 104
NORTH SMITHFIELD, RHODE ISLAND 02896
TEL (401) 762-2870 FAX (401) 762-2871

ZONING DISTRICT: RA-65
MIN. LOT AREA: 65,000 S.F.
MIN. LOT WIDTH: 100 FT.
MIN. SETBACKS: FRONT: 40 FT.
SIDE: 25 FT.
REAR: 40 FT.



AP 1 LOT 38
N/F THOMAS W. & KATHY A. SHAW

LOT 278
N/F ROBERT G.
& SHARON L.
SILVA

LOT 261
N/F MICHAEL H. &
FRANCES W. CURRAN

LOT 166
N/F JONATHAN &
ISABEL MAYNARD

LOT 209
N/F NANCY H. INZER

LOT 171
N/F JONATHAN &
SUSAN DEPAULL

LOT 139
N/F H. Nanci
STANKUS

LOT 132
N/F H. Nanci
STANKUS

LOT 111
N/F JOHN A. & LINDA K. LELLI

LOT 463
N/F KENNETH & LAURIE
LABELLE

LOT 464
N/F KEVIN & KRISTEN
SILVA

LOT 13
N/F SHIRLEY A.
SMITH

LOT 346
N/F NORMAN J.
GALPEAU, Jr.

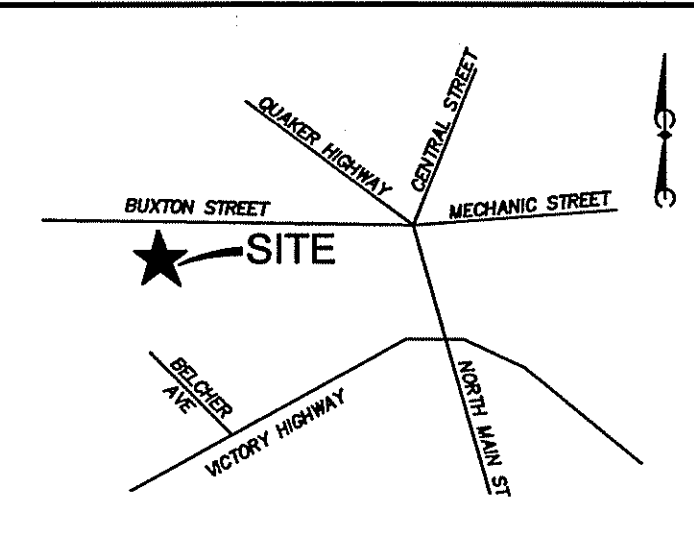
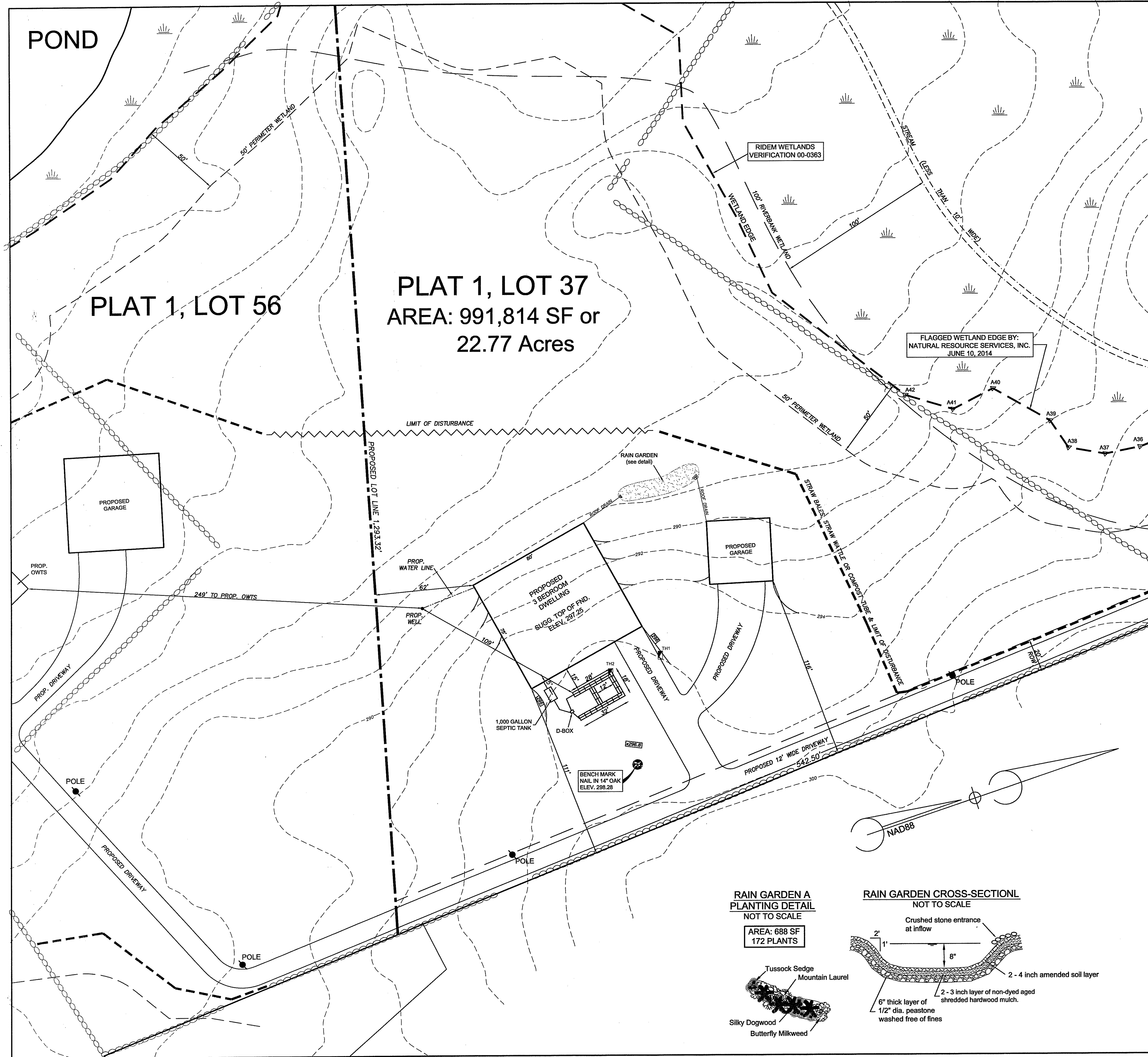
LOT 230
N/F ROBERT C.
WHITING

VICTORY
(ROUTE 102)
HIGHWAY

OLDFIELD DRIVE

CIDER MILL ROAD

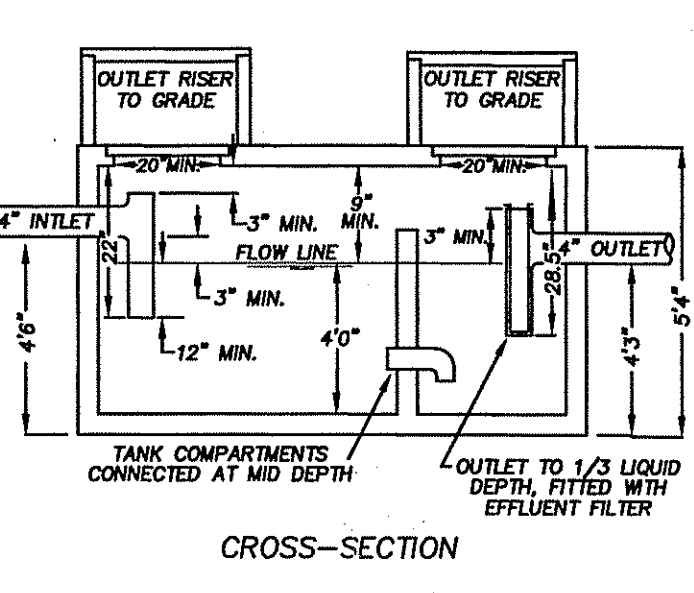
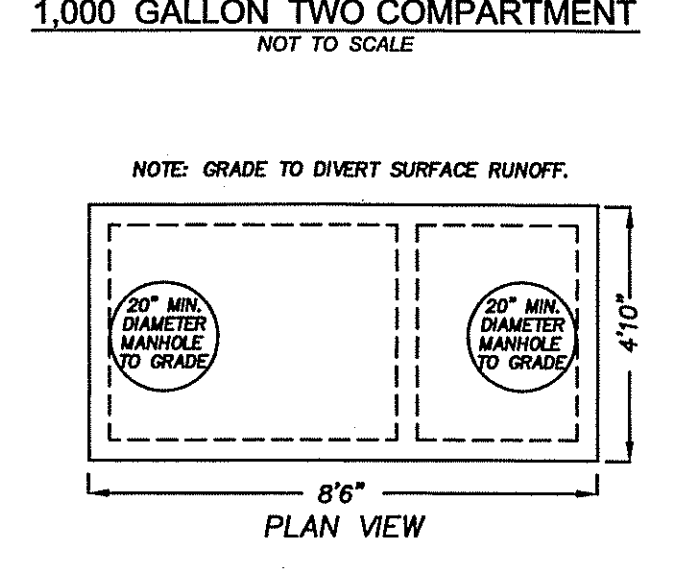
SITE



PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM and WETLANDS PLAN SHEET 3 OF 4
 for
GARY FERNANDES
 NORTH SMITHFIELD, RHODE ISLAND
 SEPTEMBER, 2016 SCALE 1"= 30'

REVISED: 11/23/16
 ASSESSOR'S PLAT 1, LOT 37, LOT AREA: 22.77 Acres
 BENCH MARK: NAIL IN 14" OAK TREE, ELEVATION 298.28

1,000 GALLON TWO COMPARTMENT
 NOT TO SCALE



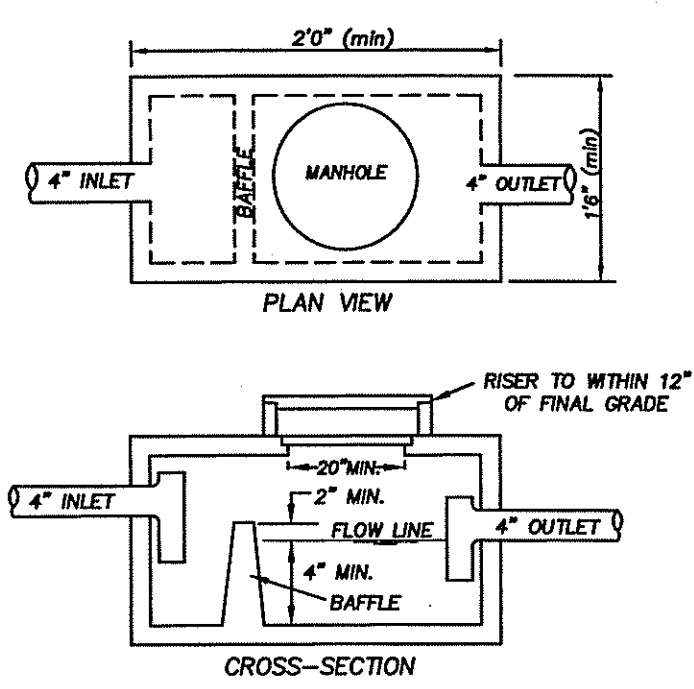
LEACHING SYSTEM BY:
 MARC N. NYBERG ASSOCIATES, INC.
 LAND SURVEYORS and PLANNERS
 501 GREAT ROAD, UNIT 104
 NORTH SMITHFIELD, RHODE ISLAND 02896
 TEL: (401) 762-2870
 FAX: (401) 762-2871

MARC N. NYBERG
 No. 1797
 PROFESSIONAL LAND SURVEYOR

THIS SURVEY AND PLAN CONFORM TO CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
 Marc Nyberg
 REG. PROFESSIONAL LAND SURVEYOR

- GENERAL NOTES**
- 1) LEACHING TRENCHES TO BE EXCAVATED IN ACCORDANCE WITH RIDEM REGULATION 32.9 FOR ONSITE WASTEWATER TREATMENT SYSTEMS. A 6 INCH GRAVEL BASE TO BE SET BELOW EACH TRENCH IN ACCORDANCE WITH REGULATION 32.12. TREES, BRUSH AND STUMPS WITHIN AND EXTENDING 10 FEET BEYOND LEACHFIELD TO BE REMOVED. THE LEACHFIELD AND 5 FEET BEYOND THE LEACHFIELD SHALL BE STRIPPED OF ALL TOPSOIL (A HORIZONS), IN ORDER TO AVOID COMPACTION OF THE B SOIL HORIZON, ONLY TRACKED VEHICLES SHALL BE ALLOWED WITHIN THIS AREA.
 - 2) USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM AND SCH. 40 UNDER DRIVEWAY AS SHOWN.
 - 3) NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
 - 4) ZABEL EFFLUENT FILTER TO BE INSTALLED AT SEPTIC TANK OUTLET.
 - 5) NO WELLS, EXISTING OR PROPOSED, ARE WITHIN 200' FEET OF ISDS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE ISDS UNLESS SHOWN.
 - 6) BRING SEPTIC TANK MANHOLE TO GRADE AND D-BOX MANHOLE TO WITHIN 12" OF GRADE
 - 7) SEPTIC TANK TO BE A MINIMUM OF 75' FROM ALL WELLS.
 - 8) ENDS OF LINES IN TRENCH TO BE INTERCONNECTED.
 - 9) D-BOX TO HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET AND MEET H-20 WHEEL LOADS WITH MARKER SET TO GRADE.
 - 10) SANITARY TEES TO BE INSTALLED IN SEPTIC TANK.
 - 11) NO DRAINS OF ANY KIND SHALL BE WITHIN 25' UPGRADIENT OR 50' DOWNGRADIENT OR SIDE GRADIENT OF THE PROPOSED LEACHING SYSTEM.
 - 12) 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV. 294.08.
 - 13) COVER OVER SEPTIC TANK TO BE GRADED TO DIVERT SURFACE RUNOFF.
 - 14) SYSTEM INSTALLATION TO BE SUPERVISED BY THE DESIGNER.
 - 15) WASHING MACHINE LINT FILTER IS STRONGLY RECOMMENDED TO PREVENT PREMATURE FAILURE OF ELJEN SYSTEM.

DISTRIBUTION BOX (D-BOX)
 NOT TO SCALE



DESIGN DATA

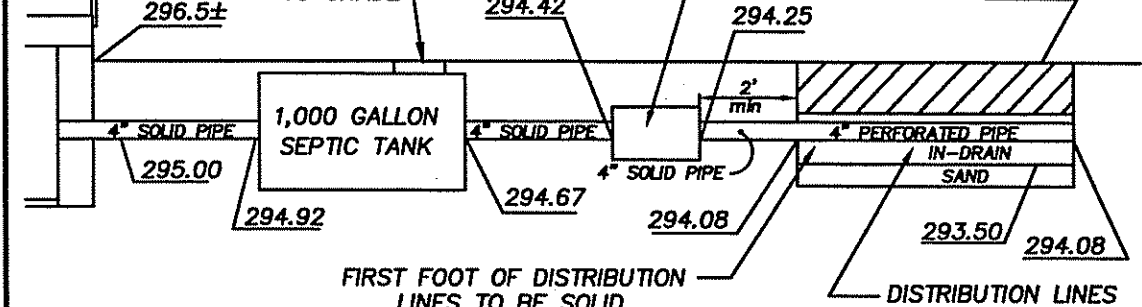
SOIL CATEGORY: 6
 DESIGN LOADING RATE: 0.61
 FIELD SIZE: ELJENS, TWO LINES
 21 TOTAL ELJEN UNITS
 588 SQUARE FEET

TEST HOLE DATA
 DATE: 6/20/16

TH1
 0'-6" Ap, SL, 10YR 3/3
 6"-24" Bw, G, SL, 10YR 4/6
 24"-72" C, CB, G, SL, 2.5YR 6/3
 72"-120" C2, CB, G, SL, 2.5YR 5/3
 ESHWT 72"
 NO LEDGE AT 120"

TH2
 0'-6" Ap, SL, 10YR 3/3
 6"-24" Bw, G, SL, 10YR 4/6
 24"-86" C, CB, G, SL, 2.5YR 6/3
 86"-120" C2, CB, G, SL, 2.5YR 5/3
 ESHWT 72"
 NO LEDGE AT 120"

SYSTEM PROFILE
 NOT TO SCALE

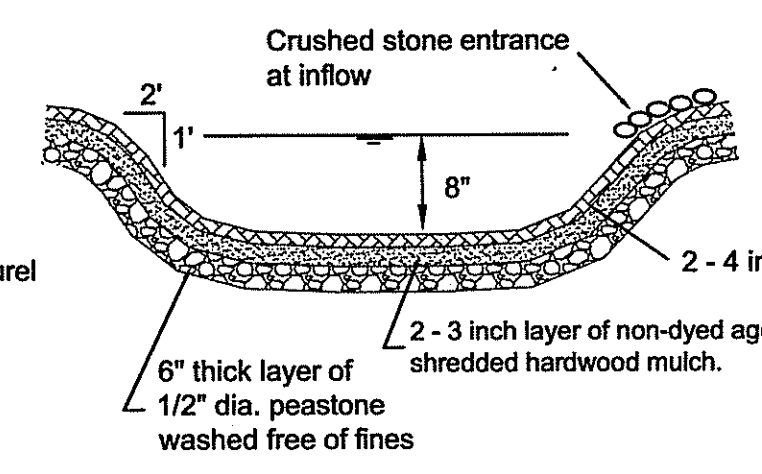


- LEGEND**
- 300 --- EXISTING CONTOUR
 - 100 --- PROPOSED CONTOUR
 - TH1 [] TEST HOLE
 - A15 [] WETLAND FLAG
 - WETLAND EDGED
 - TREELINE
 - STONE WALL

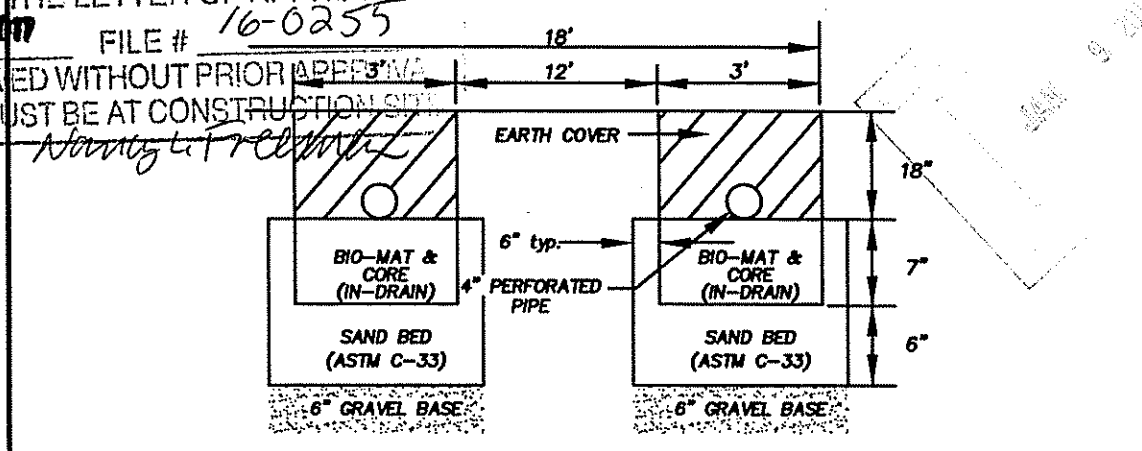
RAIN GARDEN A PLANTING DETAIL
 NOT TO SCALE

- AREA: 688 SF
 172 PLANTS
- Tussock Sedge
 - Mountain Laurel
 - Silky Dogwood
 - Butterfly Milkweed

RAIN GARDEN CROSS-SECTION
 NOT TO SCALE



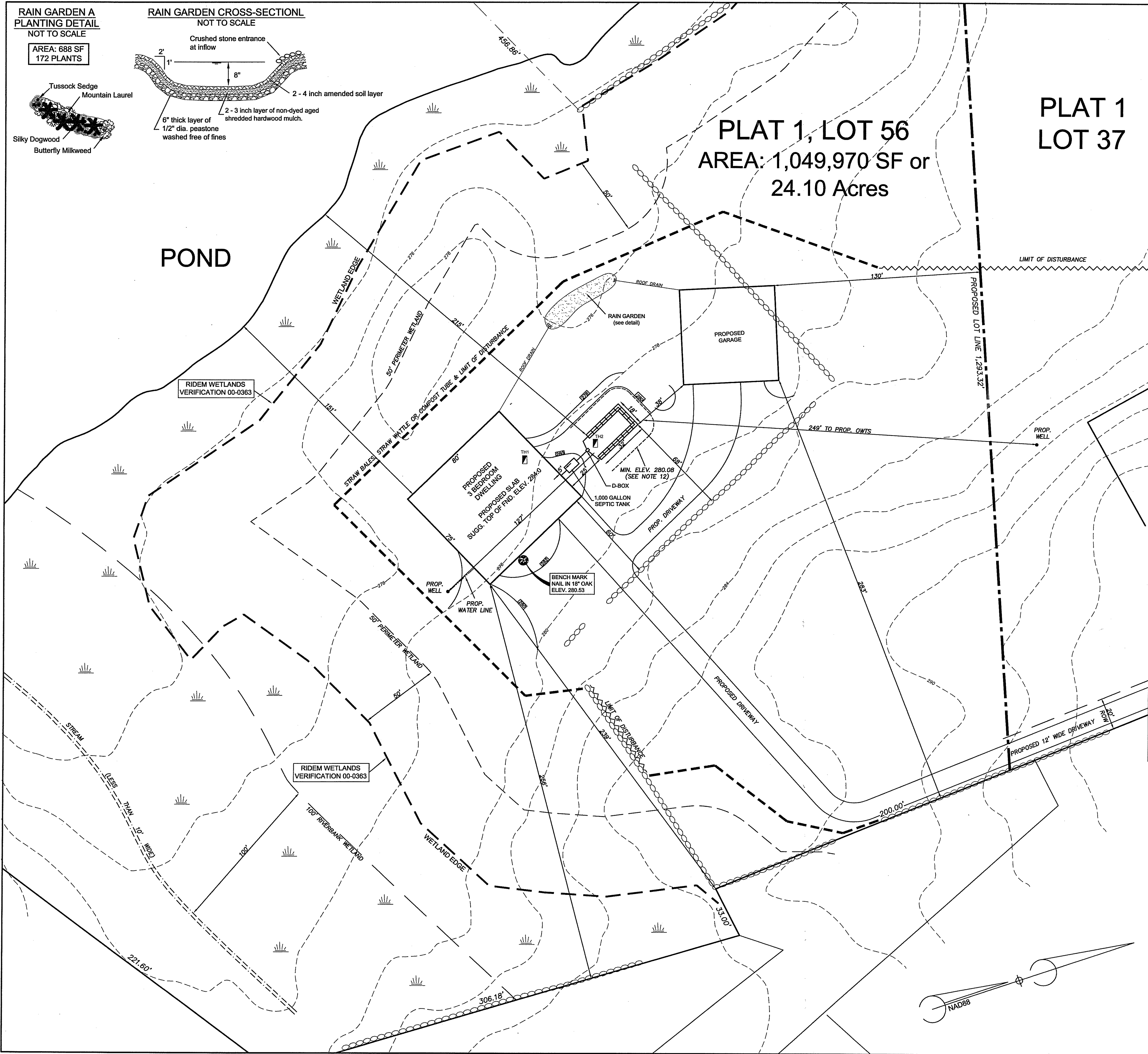
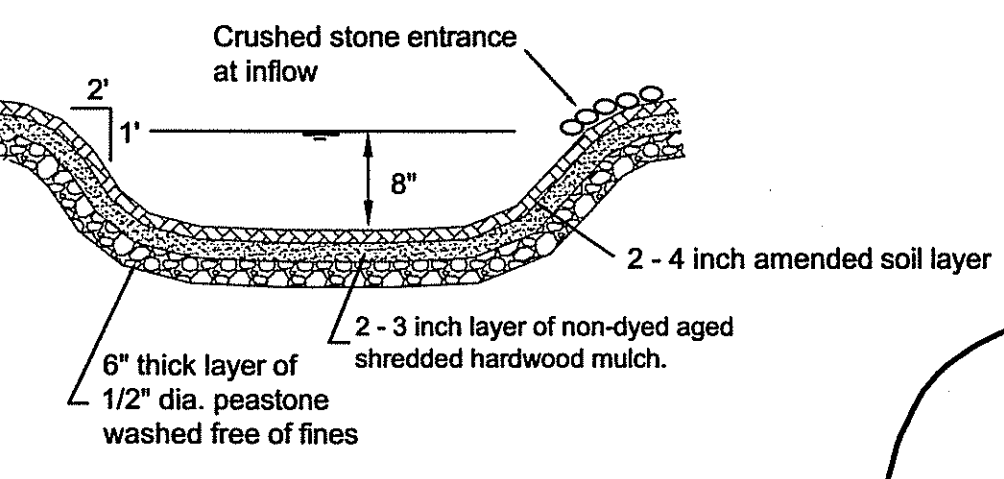
LEACHING SYSTEM CROSS-SECTION
 NOT TO SCALE



RAIN GARDEN A PLANTING DETAIL
NOT TO SCALE

- AREA: 688 SF
172 PLANTS
- Tussock Sedge
 - Mountain Laurel
 - Silky Dogwood
 - Butterfly Milkweed

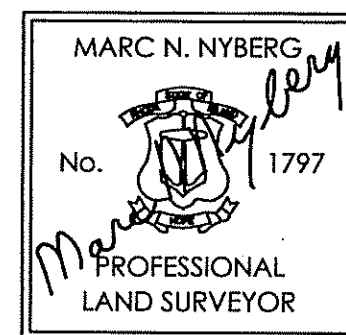
RAIN GARDEN CROSS-SECTION
NOT TO SCALE



PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM and WETLANDS PLAN SHEET 4 OF 4
for
GARY FERNANDES
NORTH SMITHFIELD, RHODE ISLAND
SEPTEMBER, 2016 SCALE 1"= 30'

ASSESSOR'S PLAT 1, LOT 56, LOT AREA: 24.10 Acres
BENCH MARK: NAIL IN 18" OAK TREE, ELEVATION 280.53

LEACHING SYSTEM BY:
MARC N. NYBERG ASSOCIATES, INC.
LAND SURVEYORS and PLANNERS
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NORTH SMITHFIELD, RHODE ISLAND 02896
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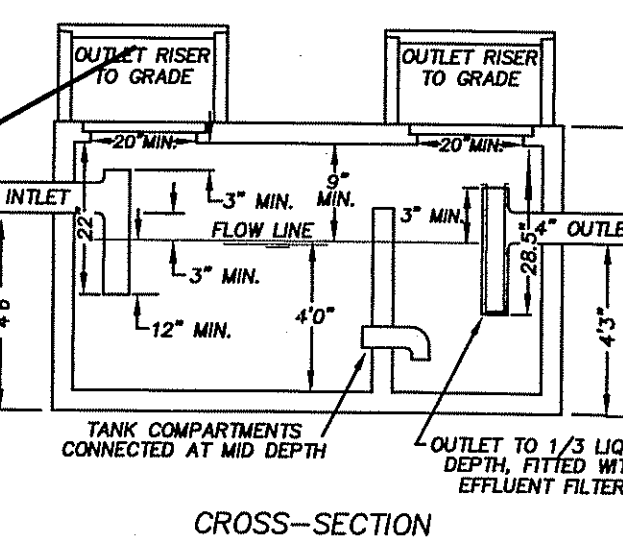
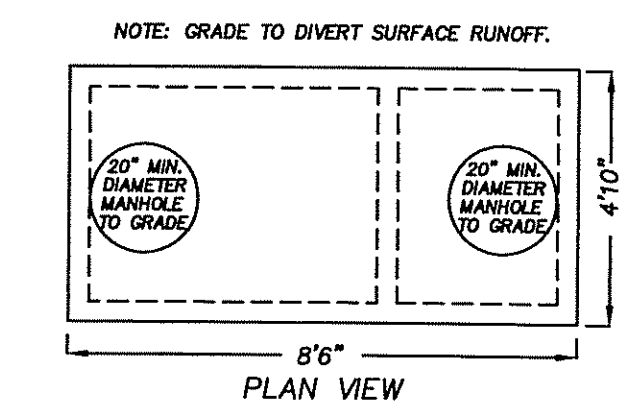


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Marc N. Nyberg
REG. PROFESSIONAL LAND SURVEYOR

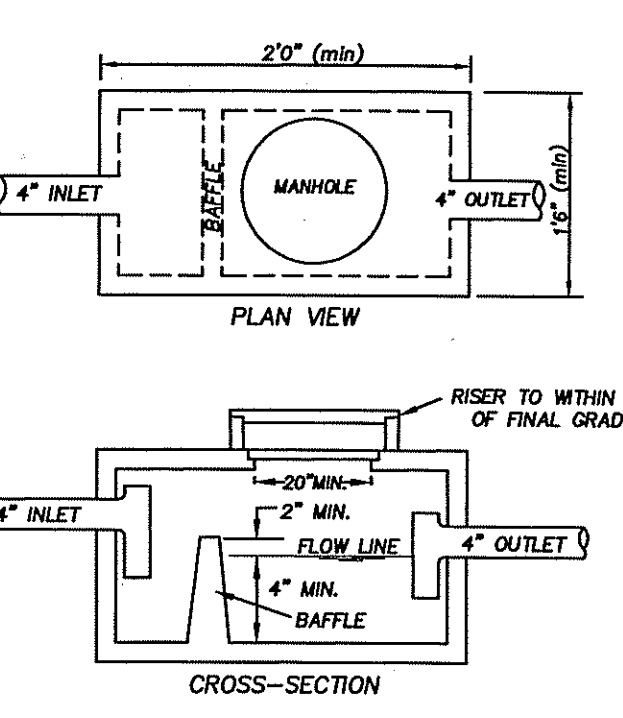
GENERAL NOTES

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- USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM AND SCH. 40 UNDER DRIVEWAY AS SHOWN.
- NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
- ZABEL EFFLUENT FILTER TO BE INSTALLED AT SEPTIC TANK OUTLET.
- NO WELLS, EXISTING OR PROPOSED, ARE WITHIN 200' FEET OF ISDS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE ISDS UNLESS SHOWN.
- BRING SEPTIC TANK MANHOLE TO GRADE AND D-BOX MANHOLE TO WITHIN 12" OF GRADE.
- SEPTIC TANK TO BE A MINIMUM OF 75' FROM ALL WELLS.
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- NO DRAINS OF ANY KIND SHALL BE WITHIN 25' UPGRADIENT OR 50' DOWNGRADIENT OR SIDE GRADIENT OF THE PROPOSED LEACHING SYSTEM.
- 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV. 100.08.
- COVER OVER SEPTIC TANK TO BE GRADED TO DIVERT SURFACE RUNOFF.
- SYSTEM INSTALLATION TO BE SUPERVISED BY THE DESIGNER.
- WASHING MACHINE LINT FILTER IS STRONGLY RECOMMENDED TO PREVENT PREMATURE FAILURE OF ELJEN SYSTEM.

1,000 GALLON TWO COMPARTMENT
NOT TO SCALE



DISTRIBUTION BOX (D-BOX)
NOT TO SCALE



DESIGN DATA

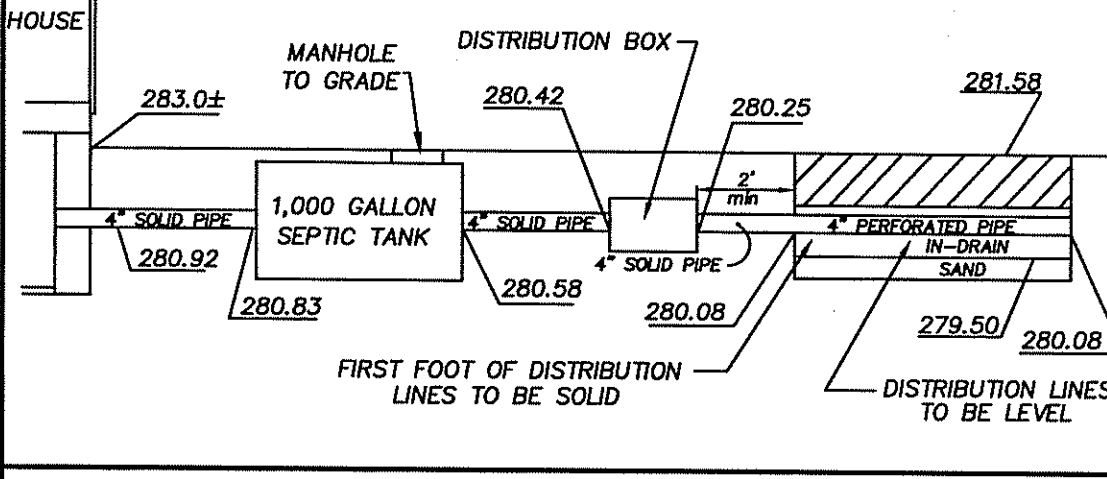
SOIL CATEGORY: 1
DESIGN LOADING RATE: 0.70
FIELD SIZE: ELJENS, TWO LINES
18 TOTAL ELJEN UNITS
504 SQUARE FEET

TEST HOLE DATA
DATE: 7/31/16

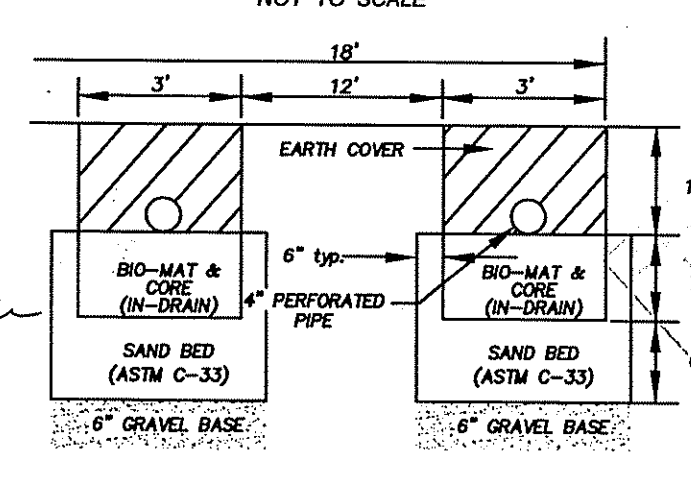
TH1
0'-7" Ap, SL, 10YR 3/3
7'-28" Bw, SL, 10YR 4/4
28'-48" C, COS, 10YR 5/3
48'-96" C2, G, COS, 10YR 5/3
ESHW 30"
NO LEDGE AT 96"

TH2
0'-6" A, SL, 10YR 3/3
6'-20" Bw, SL, 10YR 4/4
20'-42" C, COS, 10YR 5/3
42'-96" C2, MS, 10YR 3/3
ESHW 30"
NO LEDGE AT 96"

SYSTEM PROFILE
NOT TO SCALE



LEACHING SYSTEM CROSS-SECTION
NOT TO SCALE



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED FEB 14 2017 FILE # 16-02355
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy Freeman