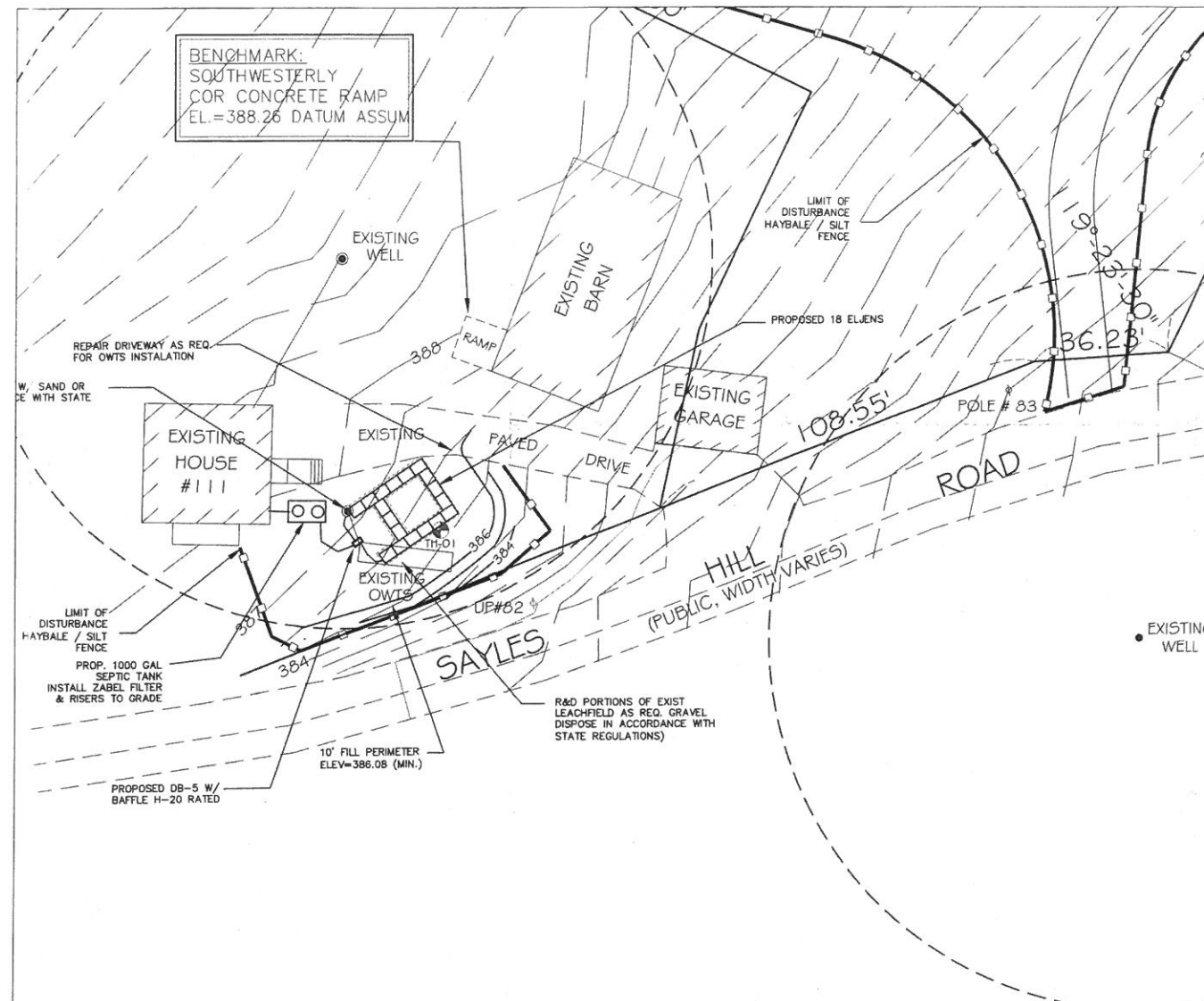


SURVEY NOTE:
BASE LINE DATA OBTAINED BY ONSITE SURVEY.
PROPERTY LINE AND TOPOGRAPHICAL DATA CONFORM TO CLASS II & III
STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION
FOR PROFESSIONAL LAND SURVEYORS BY LDDY SURVEYING

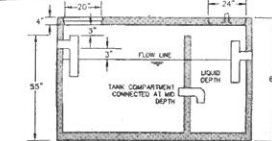
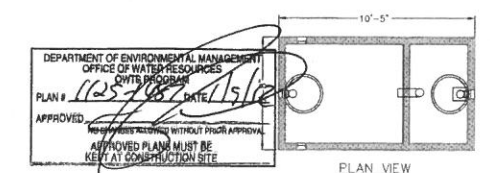
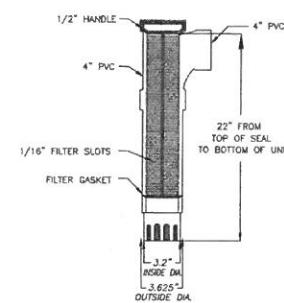
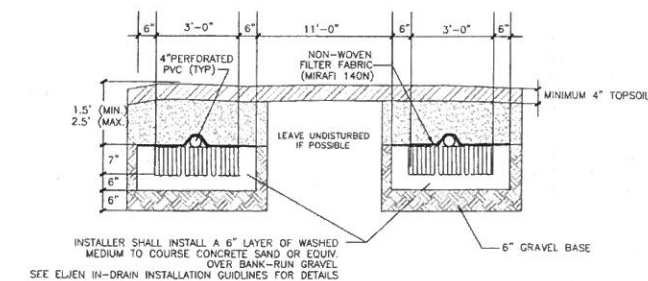
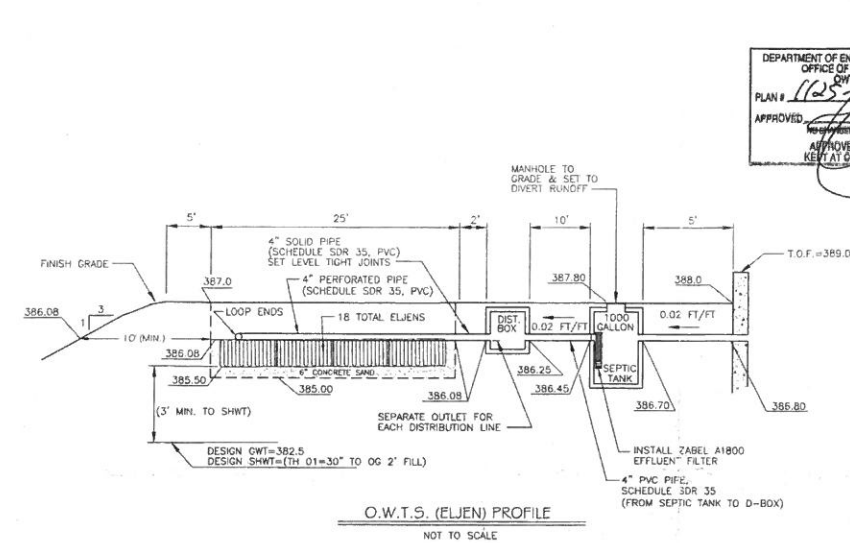
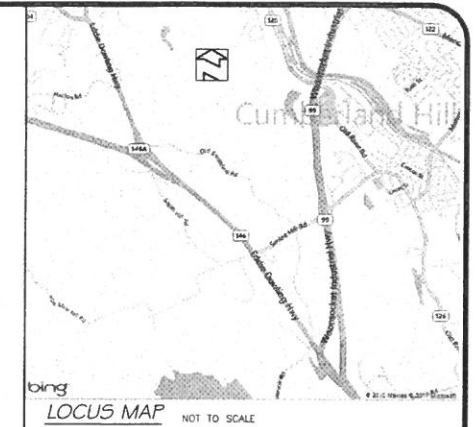


DESIGN CALCULATION

- 2 BEDROOMS X 115 GALLONS PER BED/DAY = 230 GALLONS PER DAY
SOIL CAT B = 0.46 GAL/S.F./DAY
- 230 GPD / 0.46 GAL/S.F./DAY = 500 S.F. LEACHING AREA REQUIRED
- 500 S.F. / 28 S.F. PER ELJEN UNIT = 18 ELJENS REQD.
- TOTAL AREA PROVIDED = 504 S.F. > 500 S.F.

OWTS NOTES:

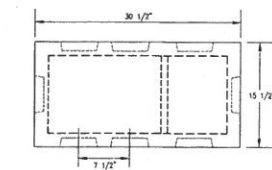
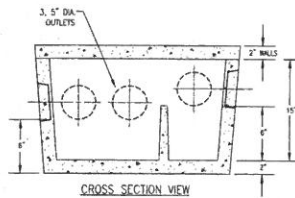
- ALL DESIGN, CONSTRUCTION, AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON OR NOT, SHALL BE IN CONFORMANCE WITH RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, JANUARY 1, 2006 AND ALL AMENDMENTS, BY THE RHODE ISLAND DEPT. OF ENVIRONMENTAL MANAGEMENT.
- STRIP LEACHING AREA OUT TO 5 FEET AROUND ENTIRE PERIMETER AND EXCAVATE DOWN TO ELEVATION 386.5, REMOVING ALL TREES, BRUSH, TOPSOIL, SUBSOIL, UNDESIRABLE MATERIAL AND SOIL CONTAINING FINES. REPLACE WITH GRAVEL IF REQUIRED AS SPECIFIED IN RIDEM REGULATIONS.
- INSTALLER MUST ASSURE THAT BOTTOM AND SIDES OF EXCAVATION FOR THE LEACHFIELD ARE NOT COMPACTED OR SMEARED.
- ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
- MAINTAIN INVERT ELEVATION OF 386.06 FOR 10 FEET AROUND SYSTEM.
- THERE ARE NO KNOWN PRIVATE WELLS OR DRAINS EXIST, OR PROPOSED LOCATED WITHIN 200 FEET OF THE OWTS EXCEPT AS SHOWN AND NO KNOWN PUBLIC WELLS (EXIST. & PROPOSED) LOCATED WITHIN 500 FEET OF THE PROPOSED OWTS.
- THERE ARE NO KNOWN SUBSURFACE DRAINS, EXISTING OR PROPOSED, WITHIN 50 FEET OF THE PROPOSED OWTS.
- ALL PVC PIPE SHALL BE 4" DIA. SDR 35 OR EQUIVALENT, UNLESS NOTED OTHERWISE.
- THE DISTRIBUTION BOX SHALL HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET.
- NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.



DESIGN NOTES:
1) ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT
2) ALL INLETS AND OUTLETS HAVE STATE-APPROVED SEALS
3) AVAILABLE WITH 8" HEAVY DUTY TOP
4) MEETS ASTM C 1227-97A
5) CONCRETE STRENGTH 5000 PSI MIN. 28 DAYS
6) FIRST COMPARTMENT SHALL HAVE 75% TANK CAPACITY.

1000 GALLON 2-COMPARTMENT SEPTIC TANK

JOLLY PRECAST OR EQUAL
NOT TO SCALE



DISTRIBUTION BOX DB-5 W/ BAFFLE

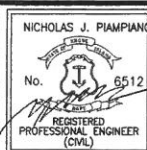
H-20 RATED
NOT TO SCALE

OWTS SITE PLAN & DETAILS OWTS REPAIR

A.P. 17 LOT 127
#111 SAYLES HILL ROAD NORTH SMITHFIELD, RI
PREPARED FOR:
JAMES CAREY
119 SAYLES HILL ROAD NORTH SMITHFIELD, RI 02896

ADVANCED CIVIL DESIGN, INC.

CIVIL ENGINEERS
7 COUNTRYSIDE LANE
SCITUATE, RI 02887



NO.	DATE	DESCRIPTION
1	DECEMBER 15, 2011	SCALE AS NOTED
2		DESIGN/CHECK BY: C.S.R.
3		SHEET NO.

1

P1 (401) 644-8556
P2 (401) 473-4404



A.P. 17 LOT 1
N/F JAMES CAREY

251.60'

LOT AREA: 50,916 SF

A.P. 17 LOT 127
N/F JAMES CAREY
OWTS APPLICATION 1125-1487

BENCHMARK 2
NAIL IN TREE
ELEV. 389.13

MIN. ELEV. 288.25
SEE NOTE 12

PROPOSED 3 BEDROOM
DRELLING
5000 BENT. FL. ELEV. 381.50

BENCHMARK 1
NAIL IN TREE
ELEV. 381.53

A.P. 13 LOT 96
N/F GERALD CHAMBERLAND

SAYLES HILL ROAD

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OWTS PROGRAM
PLAN # 1125-0957 DATE 9/13/19
APPROVED [Signature] [Stamp]
NOTES: 1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS.
2. APPROVED PLANS MUST BE KEPT AT CONSTRUCTION SITE.

ZONING SETBACKS: FRONT - 30'
REAR - 40'
SIDE - 25'

SITE

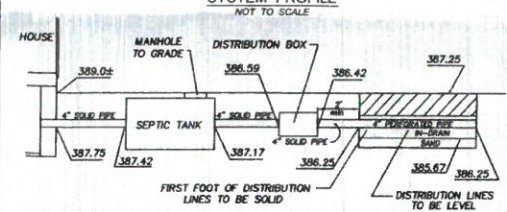


LOCUS MAP
NOT TO SCALE

LEGEND

EXISTING CONTOUR
PROPOSED CONTOUR
TEST HOLE

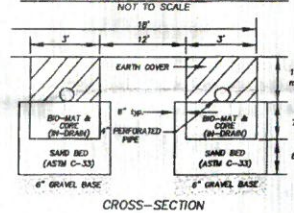
SYSTEM PROFILE



GENERAL NOTES

- 1) LEACHING TRENCHES TO BE EXCAVATED IN ACCORDANCE WITH RIDEM REGULATION 6.33(J). TREES, BRUSH AND STUMPS WITHIN AND EXTENDING 10 FEET BEYOND LEACHFIELD TO BE REMOVED. 5" STRIP REQUIRED.
- 2) USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM.
- 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 OWTS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE OWTS 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' UP OR SIDE GRADIENT OR 50' DOWN GRADIENT OF THE LEACHING SYSTEM.
- 12) 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV. 386.25.
- 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 ELLEN SYSTEM.
- 16) D-BOX TO HAVE TEES OR BAFFLE.
- 17) SITE IS LOCATED WITHIN THE WOODSOKET RESERVOIR DRINKING WATER SUPPLY WATERSHED.

LEACHING SYSTEM CROSS-SECTION



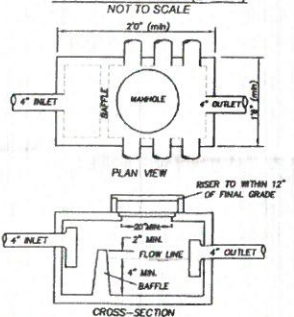
TEST HOLE DATA

DATE: 7/3/19
TH1
0'-9" A. SL. 10YR 3/2
9'-18" Bw. SL. 10YR 5/8
18'-36" C. VSL. 10YR 6/2
36'-120" C2, C3, C4, SL. 10YR 6/2
ESHW 28"
NO LEDGE AT 120"
TH2
0'-9" A. SL. 10YR 3/2
9'-30" Bw. SL. 10YR 5/8
30'-120" C. C2, C3, SL. 10YR 6/2
ESHW 28"
NO LEDGE AT 120"

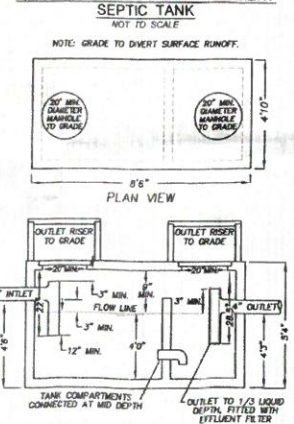
DESIGN DATA

PERC RATE: 7 MIN/MCH
LOADING RATE: 0.52
FIELD SIZE: ELLENS 2 LINES
24 ELLENS
672 SF

DISTRIBUTION BOX (D-BOX)



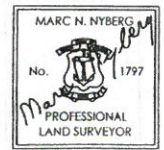
1,000 GALLON TWO COMPARTMENT SEPTIC TANK



ONSITE WASTEWATER
TREATMENT SYSTEM
FOR
JAMES CAREY
PLAT 17, PART OF LOT 127
SAYLES HILL ROAD, SMITHFIELD, RI
DATE: AUGUST, 2019
SCALE: 1" = 20'

Nyberg & Associates A SUBSIDIARY OF
AN SITE Engineering Services, LLC
PROFESSIONAL ENGINEERS & LAND SURVEYORS
Precision. Clarity. Certainty.
501 Great Road, Unit 104
North Smithfield, Rhode Island 02896
Phone: (401) 782-2870 Fax: (401) 461-782-2871
Web Address: InSiteEngineers.com

CERTIFICATION
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:
LIMITED CONTENT BOUNDARY SURVEY: CLASS IV
TOPOGRAPHIC T-4
STATEMENT OF PURPOSE
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND THE PREPARATION OF THE PLAN IS AS FOLLOWS: PROPOSED HOUSE.
By: Marc N. Nyberg
MARC N. NYBERG License No. 1797 CDA No.: A52



JOB NUMBER
19-034