JOB#17-04740SCALE.DWG FBK#300

5 MARTY'S WAY 0-7" LEAF LITTER & TOPSOIL 7-25" ORANGE BROWN FINE SANDY LOAM 25-91" STRATIFIED LIGHT GRAY BROWN FINE-MEDIUM SANDY LOAM MOTTLING POSSIBLE @ 54" 0-7" LEAF LITTER & TOPSOIL 7-34" ORANGE BROWN MEDIUM COARSE SANDY LOAM, TRACE GRAVEL LOOSE 34-93" LIGHT GRAY BROWN MEDIUM COARSE SAND & GRAVEL, MODERATELY COMPACT MOTTLING @ 38" 7 MARTY'S WAY

COARSE SANDY LOAM

COARSE SANDY LOAM

6" LEAF LITTER & TOPSOIL

SANDY LOAM

MOTTLING @ 36" NO GW

LEDGE @ 62"

ROOTS TO 40"

24" LIGHT ORANGE BROWN FINE-MEDIUM

92" LIGHT GRAY BROWN FINE-MEDIUM SAND, TRACE GRAVEL, ROCKY

7-35" ORANGE BROWN FINE SANDY LOAM 35-97" GRAY BROWN MEDIUM COARSE SANDY LOAM, TRACE GRAVEL W/SOME ORANGE BANDED DEPOSITS NO MOTTLING NO GW LEDGE @ 52" ROOTS 52" 6-37" ORANGE BROWN FINE SANDY LOAM, TRACE GRAVEL, LOOSE

TP 58 6" LEAF LITTER & TOPSOIL 31" LIGHT ORANGE BROWN VERY FINE 80" LIGHT GRAY COARSE, COMPACT, MANY ROCKS NO MOTTLING NO GW LEDGE @ 80" ROOTS TO 48"

> 24" LT. BR. FINE SANDY LOAM, TR. SILT 96" LT. TAN MED. SAND, W/GRAVEL, SOME COBBLES

NO GW NO REDOX NO REF.

9"TOPSOIL 27" BR. FINE SANDY LOAM 90" LT. TAN MED. SAND, W/GRAVEL, SOME COBBLES

NO GW NO REDOX NO REF.

17 MARTY'S WAY 23" BR. FINE SANDY LOAM, SOME SILT 40" GRAY FINE SANDY LAOM W/SILT 91" GRAY MED. SAND W/GRAVEL, COBBLE

GW 68" REDOX AT 34"

TP 36A 0-10" LEAF LITTER & TOPSOIL 10-25" ORANGE BROWN MEDIUM COARSE SANDY LOAM, DAMP 25-55" GRAY BROWN VERY FINE SILTY 55-80" COULD NOT READ DUE TO GW

MOTTLING @ 27" NO LEDGE ROOTS 32"

TP 36B 0-11" LEAF LITTER & TOPSOIL 11-30" ORANGE BROWN FINE SANDY LOAM, DAMP 58-83" COULD NOT READ DUE TO GW

MOTTLING @ 42" NO LEDGE ROOTS 38"

18 MARTY'S WAY 9" TOPSOIL 30" LT. BR. FINE SANDY LOAM 40" TAN TO GRAY SILTY FINE SAND 88" OLIVE GRAY MED. SAND, W/GRAVEL, COBBLES

NO GW NO REDOX NO REF.

NO REDOX NO REF.

TP 12 5" TOPSOIL 18" LT. BR. FINE SANDY LOAM 36" LT. BR. TO GRAY SILTY FINE SAND, NO GW

BY DANIELLE HOLMES, REHS/RS LEDGE LIGHT HEALTH DISTRICT ON MARCH 3, 2018. AND RECORDED BY WENDY BROWN-ARNOLD RS, LEDGE LIGHT HEALTH DISTRICT JUNE 6, 2018. 22 MARTY'S WAY CONTINUED

25" LT. BR. FINE SANDY LOAM 39" LT. BR.-GRAY SILTY DEPOSIT, INCONSISTENT STAINING 100" LT. OLIVE-BR. MEDIUM SAND, W/GRAVEL

NO REDOX NO REF.

TEST PITS 32A, 38B, 49-53, 55, 56, 58 & 59 AS RECORDED

8-24" LIGHT ORANGE/YELLOW BROWN FINE-MEDIUM

24-94" LIGHT GRAY COARSE SAND & GRAVEL

OVER DECOMPOSED/FRAGMENTED

19 MARTY'S WAY

0-8" LEAF LITTER & TOPSOIL

46-94" NON-TYPICAL ROCK

TP 34 0-6" LEAF LITTER & TOPSOIL

6-12" YELLOW BROWN FINE

SANDY LOAM

STANDING WATER @ 77"

MOTTLING @ 38" GW 70"

NO GW REDOX AT 34"

NO REF. ROOTS TO 30"

" TOPSOIL

NO GW

NO REDOX NO REF.

7" TOPSOIL

NO GW NO REDOX NO REF.

21 MARTY'S WAY

LOAM

D-11" LEAF LITTER & TOPSOIL

SANDY LOAM

0-11" LEAF LITTER & TOPSOIL

SANDY LOAM

41-100" NON-TYPICAL ROCK

TP 32A 9" LEAF LITTER & TOPSOIL

6" LEAF LITTER & TOPSOIL

TP 50 9" LEAF LITTER & TOPSOIL

23" YELLOW BROWN COARSE

24" BR. FINE SANDY LOAM

102" STRATIFIED GRAY BROWN COARSE

SANDY LOAM

MOTTLING @ 43"

ROOTS TO 45"

22 MARTY'S WAY

9" TOPSOIL

GW 89"

NO LEDGE

SAND & GRAVEL

SANDY LOAM

MOTTLING @ 46"

ROOTS TO 42"

GW 96"

NO LEDGE

SAND & GRAVEL

24" LIGHT ORANGE BROWN FINE

& GRAVEL

STANDING WATER @ 99"

MOTTLING @ 50"

GW 99"

NO LEDGE

ROOTS 37"

NO MOTTLING

NO GW LEDGE @ 41"

MOTTLING @ 40"

GW 83"

NO LEDGE

ROOTS TO 29"

ROOTS 30"

20 MARTY'S WAY

NO LEDGE

ROOTS 35"

12-93" GRAY BROWN COARSE

SAND & GRAVEL

17" LT. BR. FINE SANDY LOAM, SOME SILT

87" GRAY MED. SAND W/GRAVEL, COBBLES

26" YELLOW BR. FINE SANDY LOAM, TR. SILT

28" YELLOW-BR. FINE SANDY LOAM, TR. SILT

11-31" ORANGE BROWN MEDIUM COARSE SANDY

31-38" STRATIFIED YELLOW GRAY VERY FINE

38-99" LIGHT GRAY MEDIUM COARSE SAND

11-26" LIGHT ORANGE BROWN FINE- MEDIUM

45" ORANGE BROWN VERY FINE SILTY SAND

89" STRATIFIED GRAY BROWN COARSE SAND

103" STRATIFIED LIGHT GRAY BROWN COARSE

FRAGMENTED LEDGE @ 5Ó"

& GRAVEL POCKET OF DECOMPOSED/

SAND & GRAVEL OVER DECOMPOSED/

FRAGMENTED DIGGABLE LEDGE ROCK

26-100" LIGHT GRAY BROWN COARSE

99-104" COULD NOT READ DUE TO GW

92" LT. OLIVE-BR. SAND, W/GRAVEL, SILT

49" LT. BR.-GRAY SILTY DEPOSITS, LIGHT STAINING

92" LT. OLIVE-BR. MED. SAND, W/GRAVEL, FEW ROCKS

5" LT. BR.-GRAY SILTY DEPOSIT, INCONSISTENT STAINING

51" GRAY VERY FINE SILTY SAND

STANDING WATER @ 94"

LEDGE POSSIBLE @ 94"

ROOTS NONE NOTED

NO MOTTLING

GW 94"

COARSE SANDÝ LOAM

DIGGABLE LEDGE RÓCK

10" TOPSOIL LT. BR. FINE SANDY LOAM 46" LT. BR.-GRAY SILTY DEPOSIT. SOME STAINING-INCONSISTENT 107" LT. OLIVE-BR.-GRAY MEDIUM SAND, W/GRAVEL

NO REDOX NO REF.

23 MARTY'S WAY 0-7" LEAF LITTER & TOPSOIL 7-24" STRAITIED YELLOW BROWN FINE-MEDIUM SANDY LOAM 24-108" LIGHT GRAY MEDIUM COARSE SAND

MOTTLING @ 30" NO GW NO LEDGE ROOTS 24" 0-9" LEAF LITTER & TOPSOIL 9-44" LIGHT YELLOW BROWN FINE-MEDIUM SANDY LOAM

ROOTS 45"

NO GW

44-82" GRAY BROWN FINE-MEDIUM SANDY LOAM MOTTLING @ 41" NO GW NO LEDGE

24 MARTY'S WAY AS RECORDED BY WENDY ARNOLD-BROWN LEDGE LIGHT HEALTH DISTRICT ON JUNE 6, 2018.

7-28" LIGHT BROWN FINE SANDY LOAM 28-81" LIGHT TAN/GRAY VERY FINE SAND WITH SOME SILT 81-97" LIGHT TAN/GRAY MED SAND WITH GRAVÉL & COBBLES NO MOTTLING

NO LEDGE TP 203 0-4" TOPSOIL 4-26" LIGHT BROWN FINE SANDY LOAM 26-46" LIGHT TAN/GRAY WITH FINE SAND WITH SOME SILT, SLIGHTLY STAINING 46-98" LIGHT TAN/GRAY MED SAND WITH GRAVEL & COBBLES MODERATELY COMPACT IN PLACES

25 MARTY'S WAY

NO MOTTLING

NO LEDGE

-7" LEAF LITTER & TOPSOIL 7-30" ORANGE BROWN MEDIUM COARSE SANDY LOAM SAND & GRAVEL, VERY ROCKY, DENSE 60-77" FRAGMENTED LEDGE ROCK

NO MOTTLING NO GW LEDGE @ 60" ROOTS 25"

> TP 24 0-7" LEAF LITTER & TOPSOIL 7-21" LIGHT ORANGE BROWN FINE-MEDIUM COARSE SANDY LOAM, ROCKY 21-36" YELLOW BROWN VERY FINE SILTY 36-75" LIGHT GRAY BROWN MEDIUM COARSE SAND & GRAVEL, DENSE, ROCKY 75-82" FRAGMENTED LEDGE ROCK

NO MOTTLING NO GW LEDGE @ 75" ROOTS 40"

26 MARTY'S WAY AS RECORDED BY WENDY ARNOLD-BROWN LEDGE LIGHT HEALTH DISTRICT ON JUNE 6, 2018.

TP 200 0-7" TOPSOIL 7-26" LIGHT BROWN FINE SANDY LOAM 26-37" LIGHT TAN FINE SAND 37-97" LIGHT TAN MED-COARSE SAND WITH GRAVEL, COBBLES, STONES NO MOTTLING NO LEDGE

TP 201 0-4" TOPSOIL 4-21" LIGHT BROWN FINE SANDY LOAM 21-31 LIGHT BROWN/LIGHT TAN FINE SAND 31-90" LIGHT TAN/BROWN MED-COARSE SAND WITH GRAVÉL & COBBLES

NO MOTTLING NO GW NO LEDGE

27 MARTY'S WAY -5" LEAF LITTER & TOPSOIL 5-29" ORANGE BROWN VERY FINE SANDY LOAM. VFRY ROCKY 29-93" LIGHT GRAY COARSE SAND & GRAVEL OVER DECOMPOSED/FRAGMENTED DIGGABLE LEDGE ROCK MANY LARGE ROCKS/BOULDERS THROUGHOUT

CONTINUED 27 MARTY'S WAY

D-8" LEAF LITTER & TOPSOIL 8-17" ORANGE BROWN FINE SANDY LOAM, W/COBBLES 17-28" YELLOW BROWN VERY FINE SILTY SAND 28-69" STRATIFIED GRAY BROWN COARSE SAND & GRAVEL, VERY ROCKY, DENSE

NO MOTTLING NO GW LEDGE @ 69" ROOTS 29"

TEST PITS 200-203 WITNESSED BY EDWARD NOLAN DIETER & GARDNER, INC.

6" LEAF LITTER & TOPSOIL 26" LIGHT ORANGE BROWN FINE SANDY LOAM 62" GRAY BROWN COARSE SAND & GRAVEL, ROCKY NO MOTTLING NO GW LEDGE @ 62" ROOTS TO 44"

6" LEAF LITTER & TOPSOIL 42" LIGHT ORANGE BROWN FINE-MEDIUM SANDY LOAM, ROCKY 82" LIGHT GRAY BROWN COARSE SAND & GRAVEL ROCKY NO MOTTLING NO GW LEDGE @ 82" ROOTS TO 44'

28 MARTY'S WAY 0-9" LEAF LITTER & TOPSOIL 9-28" ORANGE BROWN MEDIUM COARSE SANDY LOAM 28-63" STRATIFIED GRAY BROWN VERY FINE SILTY SAND

STANDING WATER @ 63" MOTTLING POSSIBLE @ 36" GW 63" LEDGE @ 63" ROOTS 33'

CONTINUED 28 MARTY'S WAY 0-9" LEAF LITTER & TOPSOIL 9-19" ORANGE BROWN FINE SANDY LOAM, APPROVED BY THE LEDYARD PLANNING AND ZONING COMMISSION AS TO THI

COMPLIANCE WITH THE REGULATIONS GOVERNING THE SUBDIVISION OF LAND

NO PERMIT NECESSARY. (NOT WITHIN A REGULATED AREA)

NO REGULATED ACTIVITY PROPOSED AT THIS TIME.)

APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR THE TOWN ENGINEER

NOT APPLICABLE AT THIS TIME. (WITHIN A REGULATED AREA

DATE

DATE

DATE

DATE

ALL IMPROVEMENTS SHALL BE COMPLETED BY

LOT NUMBERS ASSIGNED BY THE ASSESSOR

APPLICATION#

APPROVED.

PUBLIC WORKS DIRECTOR/TOWN ENGINEER

EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE

OF THE LEDYARD PLANNING AND ZONING COMMISSION

CHAIRMAN OR SECRETARY OF THE LEDYARD PLANNING

ZONING/WETLANDS OFFICER

FOR PUBLIC WAY LAYOUT.

AND ZONING COMMISSION

CHAIRMAN OR SECRETARY

19-29" YELLOW BROWN FINE-MEDIUM COARSE SANDY LOAM, SLIGHTLY DAMP, ROCKY 29-55" STRATIFIED GRAY BROWN VERY FINE SILTY SAND STANDING WATER @ 82"

MOTTLING POSSIBLE @ 44" NO LEDGE ROOTS 40" 0-6" LEAF LITTER & TOPSOIL 6-26" YELLOW BROWN VERY FINE SILTY LOAM, SLIGHTLY DAMP 26-65" DECOMPOSED/ NON TYPICAL LEDGE/ROCK NO MOTTLING

ROOTS 30" 29 MARTY'S WAY 5" LEAF LITTER & TOPSOIL 27" LIGHT ORANGE BROWN FINE SANDY LOAM 93" LIGHT GRAY BROWN COARSE SAND & GRAVEL

NO GW LEDGE @ 26"

NO MOTTLING NO GW NO LEDGE ROOTS TO 27" 5" LEAF LITTER & TOPSOIL 24" LIGHT ORANGE BROWN FINE SANDY LOAM 100" LIGHT GRAY BROWN COARSE SAND & GRAVEL

MOTTLING @ 38"

NO GW

NO LEDGE

ROOTS TO 43" 7" LEAF LITTER & TOPSOIL 21" LIGHT ORANGE BROWN FINE SANDY LOAM 91" LIGHT GRAY BROWN COARSE SAND & GRAVEL MOTTLING @ 31" NO GW NO LEDGE ROOTS TO 31"

SANITARY DESIGN CRITERIA

A. ALL PRIMARY AND SEPTIC SYSTEM DESIGNS ARE DESIGNED FOR THREE-BEDROOM HOMES. NO TUBS OVER 100 GALLONS IN SIZE OR GARBAGE DISPOSAL INTO SEPTIC SYSTEM PLANNED.

B. THREE BEDROOM HOMES AT A PERC RATE OF 10.0 MIN/INCH OR LESS REQUIRES 495 S.F. OF EFFECTIVE LEACHING AREA.

MANTIS 536-8 LEACHING SYSTEM SELECTED FOR LEACHING SYSTEM DESIGN. CREDIT PER L.F. IS 11.0 S.F. C. MINIMUM REQUIRED AREA IS 495 S.F./ 11 S.F./L.F. = 45' UNLESS MLSS GOVERNS.

HF = HYDRAULIC FACTOR BASED ON GRDIENT AND DEPTH TO AVERAGE RESTRICTION FF = FLOW FACTOR, 1.5 FOR THREE BEDROOM HOME DESIGN

PF = PERC FACTOR, 1.0 FOR PERC RATE UP TO & 10.0 MIN/INCH

ALL MANTIS SYSTEMS 536-8 MLSS TABLE DESIGN PITS STREET ADDRESS GRADIENT % RESTRICTION HF FF PF MLSS PRIMARY MLSS RESERVE SYSTEM MARTY'S WAY 47 & 48 > 60" 1.5 1.0 45' \* \* > 60" \* \* 2 MARTY'S WAY 1 & 2 1.5 1.0 45' 48.1 - 60.0 3 MARTY'S WAY 1.0 - 2.028 1.5 1.0 42' \* \* 4 MARTY'S WAY 3 & 4 3.1 - 4.0 30.1 - 36.0 30 1.5 1.0 45' 45' \* \* MARTY'S WAY 4.1 - 6.036.1 - 42.0 1.5 1.0 39' 39' \* \* 7 MARTY'S WAY 56.25 41 & 42 4.1 - 6.048.1 - 60.0 30 1.5 1.25 45' 9 MARTY'S WAY 39 & 40 > 60" 1.5 45' \* \* 11 MARTY'S WAY 38 & 38B 28 1.5 42' 6.1 - 8.026.1 - 30.0 \* \* 13 MARTY'S WAY > 60" 1.5 45' \* \* 28 15 MARTY'S WAY 25A & 58 > 15 36.1 - 40.0 1.5 24' \* \* 16 MARTY'S WAY > 60" 7 & 8 1.5 24' \* \* 17 MARTY'S WAY 36 & 36B 3.1 - 4.030.1 - 36.030 \* \* 1.5 18 MARTY'S WAY > 60" 1.5 11 & 12 \* \* 45' 36' 19 MARTY'S WAY 34 & 35 8.1 - 10.0 30.1 - 36.0 1.5 24 \* \* 20 MARTY'S WAY 13 & 14 > 60" 1.5 36' \* \* 21 MARTY'S WAY 31 & 49 3.1 - 4.042.1 - 48 26 1.5 39' \* \* 22 MARTY'S WAY 17 & 18 1.5 39' \* \* NONE 23 MARTY'S WAY 39' 1.5 \* \* 30 4.1 - 6.036.1 - 42.0 45' 24 MARTY'S WAY 1.5 45' 202 & 203 \* \* 25 MARTY'S WAY 24 > 60" 1.5 45' \* \* \* 26 MARTY'S WAY 200 & 201 1.5 45' \* \* 27 MARTY'S WAY 59 > 60" 1.5 45' 45' \* \* \* 28 MARTY'S WAY 30.1 - 36.0 34 1.5 51' \* \* 19 & 19A 2.1 - 3.045' 51 & 52 36.1 - 42.0 1.5 29 MARTY'S WAY 4.1 - 6.039'

NOTE: THE MLSS CRITERIA DOES NOT APPLY TO PITS NOTED BY \* \* \* NOTE: LEACHING SYSTEMS ARE LAYED OUT WITH 45' MANTIS 536-8

DIETER & GARDNER

LAND SURVEYORS • PLANNERS

P.O. BOX 335 1641 ROUTE 12

GALES FERRY, CT. 06335

(860) 464-7455

EMAIL: DIETER.GARDNER@YAHOO.COM

DEEP TEST PIT DATA

MINIMUM LEACHING SYSTEM SPREAD  $\mathbf{AND}$ 

SEPTIC SYSTEM DESIGN CRITERIA

EAGLES LANDING

AN OPEN SPACE SUBDIVISION PROPERTY OF

MR G 1 LLC

79 VINEGAR HILL ROAD

LEDYARD, CONNECTICUT JUNE 2022

SHEET 13 OF 15

$\mathbf{C}^{\mathrm{c}}$	THIS	PLAN	ARE	NOT	VALII	D WITI	HOUT	THE	<b>EMBO</b>	SSED	SEAL	AND

TP 25A 0-5" LEAF LITTER & TOPSOIL 5-14" ORANGE BROWN MEDIUM COARSE SANDY LOAM 14-43" YELLOW BROWN VERY FINE SILTY 43-93" LIGHT GRAY BROWN COARSE SAND & GRAVEL, DENSE, ROCKY POSSIBLE FRAGMENTED LEDGE ROCK @ 80" MOTTLING @ 40" NO GW LEDGE POSSIBLE @ 80" ROOTS 42" TP 26 0-11" LEAF LITTER & TOPSOIL 1-52" ORANGE BROWN MEDIUM COARSE SANDY LOAM, DAMP, MANY ROCKS 52-84" PARTIALLY DECOMPOSED, DENSE LEDGE ROCK, DIGGABLE

15 MARTY'S WAY

NO MOTTLING

NO GW LEDGE @ 45"

ROOTS 31"

TP 25 0-10" LEAF LITTER & TOPSOIL

33-45" FRAGMENTED LEDGE ROCK

10-33" ORANGE BROWN MEDIUM COARSE

SANDY LOAM, DAMP, ROCKY

16 MARTY'S WAY

DEEP TEST PIT DATA

STANDING WATER @ 55"

30-58" STRATIFIED GRAY BROWN VERY FINE SILTY SAND, DAMP

STANDING WATER @ 58"

INCONSISTENT STAINING 96" LT. OLIVE BR. MED. SAND, GRAVEL, SOME SILT

NO GW LEDGE @ 38" ROOTS 28"

100" LT. TAN FINE-MED SAND, W/GRAVEL COBBLES, ROCKS

36" BR. FINE SANDY LOAM 68" GRAY TO TAN-FINE-MED SAND W/GRAVEL,

98" LT. TAN FINE MED-SAND, W/GRAVEL MOD. COMPACT IN PLACE

NO MOTTLING

NO REDOX 9" TÖPSOIL

FEW ROCKS

NO REDOX NO REF.