EROSION AND SEDIMENT CONTROL REPORT:

SUBDIVISION PLAN
PREPARED FOR
JWR ASSOCIATES
234 SIMPSON LANE
MONTVILLE, CONNECTICUT

REFERENCE IS MADE TO:

1. Connecticut Guidelines for Soil Erosion and Sediment Control - 2002.

DEVELOPMENT:

The proposed subdivision will allow for the creation of 8 new building lots ranging in size from 1.03 acres to 10.18 acres. All new proposed lots will be serviced by an on site septic system & well.

Individual Site Development Plans will be required to obtain permits for construction.

GENERAL PROCEDURES

1. Prior to conducting any construction activities on the Property, the Applicant shall meet with the Montville Wetlands Enforcement Officer and the Montville Zoning Enforcement Officer to discuss and agree upon the method of installation and maintenance of erosion and sediment control measures during construction.

2. Subsequent to the meeting described in Paragraph 1 of the General Procedures Section of this Narrative, the Applicant's land surveyor shall delineate in the field the limits within which construction activities shall occur and will further designate the location for installation of all erosion and sediment control measures as delineated on plans entitled "Subdivision Plan Prepared For JWR Associates 234 Simpson Lane Montville, Connecticut Conceptual Development Plan – Lots 1 2 & 3, Lots 4, 5, 6 & 7, Lot 8 Project No. 19-135 Drawn By: R.A.D. Date: 8/24/19 Scale: 1" =40' Sheets 3 of 7, 4 of 7 and 5 of 7 Advanced Surveys, LLC. 25 Apple Lane, Colchester CT. 06415 Phone & Fax (860) 267-5979".

3. Upon agreement of the Montville Wetlands Enforcement Officer and the Montville Zoning Enforcement Officer, the Applicant shall install erosion control devices and measures as delineated on the Plan and as formulated at the meeting required pursuant to the provisions of Paragraph 1 of the General Procedures Section of this Narrative.

4. At such time as all erosion and sediment control measures have been installed in accordance with the Plan, and in accordance with the requirements of the Montville Wetlands Enforcement Officer and the Montville Zoning Enforcement Officer enunciated at the meeting described in Paragraph 1 of the General Procedures Section hereof, the Applicant shall contact the Montville Wetlands Enforcement Officer and Montville Zoning Enforcement Officer to perform an on-site inspection of said erosion and sediment control measures. In no event shall soil disturbance occur, or the Applicant engage in other construction activities other than clearing, until such time as the Montville Wetlands Enforcement Officer and Montville Zoning Enforcement Officer have reviewed and approved the installation of all erosion and sediment control measures.

5. All erosion and sediment control measures shall be inspected at least weekly while construction is ongoing, and after every storm event resulting in the deposition of in excess of one-tenth of one inch (0.1") of precipitation and repaired and maintained as necessary.

6. If any erosion or sediment control measure fails or is not installed or maintained in accordance with the Plan or the directives of the Montville Wetlands Enforcement Officer and Montville Zoning Enforcement Officer, the Applicant shall be required to cease all construction activities on the lot on which construction is ongoing until such time as said erosion and sediment control measures have been installed in accordance with the plan or the directives of the Montville Wetlands Enforcement Officer or the Montville Zoning Enforcement Officer and approval of the same has been certified by the Montville Wetlands Enforcement Officer and the Montville Zoning Enforcement Officer.

7. William J. Pieniadz, 157 Simpson Lane, Oakdale, Connecticut 06370 (860) 848-2372 (telephone) (860) 608-9890 (cellular telephone) e-mail: bill@pandhconstruction.com shall be the party responsible for compliance with all erosion and sediment control measures in conjunction with all construction activities on the project site.

8. It is anticipated that construction of the project will commence during the late Spring of 2020 and continue sequentially until all building lots in the Project have been absorbed by the market. It is anticipated that the total construction phase will accommodate approximately three (3) years.

9. During the stabilization period (after construction on each lot has been completed but prior to certification of approval by the Montville Wetlands Enforcement Officer and the Montville Zoning Enforcement Officer for the removal of erosion and sediment control measures), all erosion and sediment control measures shall be maintained in proper working order. All erosion and sediment control measures shall be inspected and maintained and/or repaired, as necessary, on a weekly basis during the stabilization period and after each storm occurrence.

10. During the stabilization period, any erosion which occurs shall be immediately repaired by the Applicant, reseeded with the seeding mixes set forth in the Construction Sequencing Sections of this Narrative and restabilized.

11. Once stabilization has been completed, and certification thereof obtained in writing from the Montville Wetlands Enforcement Officer and Montville Zoning Enforcement Officer, all erosion and sediment control measures shall be removed by the Applicant.

CONSTRUCTION SEQUENCING – DRIVEWAY CROSSING FOR LOT 49-8

In conjunction with the development of Lot 49-8, the Applicant proposes to engage in regulated activities in conjunction with the crossing of a small neck of wetlands in order to access the developable area of proposed Lot 49-8 with a single family residential driveway crossing and the installation of a 15" reinforced concrete pipe to equalize any impounded water that may occur in the wetland system during a storm event.

1. The Applicant shall install an anti-tracking construction entrance at the intersection of the proposed driveway with Raymond Hill Road.

2. The Applicant shall clear, but not grub, the area for the construction of the driveway to its intersection with Raymond Hill Road.

3. Marketable timber shall be removed from the Property. Tree tops shall be chipped and woodchip berms may be substituted for other forms of erosion control delineated on the Plan.

4. Erosion control measures shall be installed in the location delineated on Sheet 5 of 7 of the Plan along the downgradient side of construction activities proposed on said Lot 49-8.

5. Once all erosion control measures have been installed, the Applicant shall request an inspection of the installation of erosion and sediment control measures by the Town of Montville Wetlands Enforcement Officer and Town of Montville Zoning Enforcement Officer. In no event shall grubbing or soil disturbance occur until such time as the installation of erosion and sediment control measures has been approved by the Montville Wetlands Enforcement Officer and Montville Zoning Enforcement Officer.

6. Stumps shall be either be removed or ground in place. In the event that stumps are removed, they shall be removed to a location approved in advance by the Montville Zoning Enforcement Officer. In no event shall stumps be buried on site.

7. Surface soil shall be stripped and shall be stockpiled for future use in site stabilization. In no event shall surface soil stockpiles be located in a designated wetland area or any upland review area adjacent to wetlands.

8. Surface soil stockpiles shall be stabilized by installing a single row of silt fence around each stockpile location. The stockpiles shall be constructed at a slope not to exceed 3:1 and shall be stabilized by seeding with an annual ryegrass mix and mulch. The annual ryegrass mix shall be applied at a rate of 40 pounds per acre. Mulch shall be applied at a rate of 80 pounds per 1,000 square feet and shall be spread by hand or with a mulch blower.

9. The driveway shall be "boxed out". The area shall be prepared for the installation of the 15" reinforced concrete pipe cross culvert by excavating and removing 18" of organic material in accordance with the "Driveway Through Inland Wetlands" detail as depicted on Sheet 6 of 7 of the Plan. The excavated area shall be backfilled with 18" of bankrun gravel. The 15" reinforced concrete pipe cross culvert shall be installed and thereafter backfilled with a minimum of 12" of bankrun gravel cover and 4" minimum of processed gravel or equivalent bearing surface. Flared end sections shall be installed at the inlet and outlet of the cross culvert and rip rap inlet and outlet protection shall be installed in accordance with the Plan.

10. Disturbed areas shall be stabilized by spreading stockpiled surface soil over these areas at a thickness of not less than 4". Areas to be seeded will be prepared by spreading ground limestone equivalent to 50% percent calcium plus magnesium oxide applied at a rate of 50 pounds per 1,000 square feet. Fertilizer (10-10-10) is to be applied at a rate of 7.5 pounds per 1,000 square feet. Following the initial application of lime and fertilizer, there are to be no periodic applications of lime and fertilizer. Disturbed areas will be seeded with a seeding mix of Kentucky Bluegrass applied at a rate of 20 pounds per acre, Creeping Red Fescue applied at a rate of 20 pounds per acre and perennial ryegrass applied at a rate of 5 pounds per acre for a total application of 45 pounds per acre. A hydroseed mix utilizing comparable cultivars shall be a suitable substitute. In the event that a hydroseed mix is not utilized, after seeding, the areas seeded shall be stabilized with hay mulch
immediately applied at a rate of 70 pounds per 1,000 square feet and anchored by tracking. Seeding shall only occur between April 1 to June 15 and August 15 to October 1.

CONSTRUCTION SEQUENCING – INDIVIDUAL LOT DEVELOPMENT (NO REGULATED ACTIVITIES)

1. The Applicant shall clear, but not grub, within the limits of clearing delineated for each lot on the Plan.

2. The Applicant shall remove the surface soil from the area for the construction of the construction entrance for each lot as delineated on the Plan.

3. The Applicant shall install a construction entrance to each lot in accordance with the "Construction Entrance" Detail delineated on the Plan.

4. The Applicant shall install a single row of silt fence or a woodchip berm at the down gradient limits of disturbance on each individual lot.

5. Upon the completion of installation of erosion and sediment control measures, the Applicant, or its successor, as the case may be, shall contact the Montville Wetlands Enforcement Officer and the Montville Zoning Enforcement Officer to perform an inspection of the installation of erosion and sediment control measures. Other than the construction of the anti-tracking pad, no soil shall be disturbed until such time as the installation of erosion and sediment control measures has been approved by the Montville Wetlands Enforcement Officer and the Montville Zoning Enforcement Officer.

6. The Applicant shall strip the surface soil in the area of construction of the dwelling house, yard and driveway. Surface soil shall be retained on the lot for eventual use in the stabilization of disturbed areas. Surface soil stockpiles shall be stabilized by installing a single row of silt fence around each stockpile location. The stockpile shall be constructed at a slope not to exceed 3:1 and shall be stabilized by seeding with an annual ryegrass mix and mulch. The annual ryegrass mix shall be applied at a rate of 40 pounds per acre. Mulch shall be applied at the rate of 80 pounds per 1,000 square feet, and shall be spread by hand or with a mulch blower. In conjunction with the clearing of each lot, stumps shall either be (i) ground in place or (ii) removed to a location approved, in advance, by the Zoning Enforcement Officer and Wetlands Enforcement Officer of the Town of Montville. No stumps shall be buried on site.

7. The cellar hole shall be excavated. Sufficient material shall be retained on site for backfilling the foundation. Additional material shall be transported from the site.

8. Footings shall be poured in the cellar hole and thereafter, foundation walls shall be poured subsequent to the approval of the footings by the Building Official of the Town of Montville.

9. Upon completion of the construction of the foundation, footing drains shall be installed.

10. Upon completion of installation of the footing drains, the foundation and footings shall be backfilled with stored material.

11. Construction of the dwelling house shall be completed.

12. Upon the completion of construction of improvements, all disturbed areas shall be stabilized by loaming the same with not less than four (4") inches of topsoil obtained from the surface soil stockpile. Areas to be seeded will be prepared by spreading ground limestone equivalent to 50 percent calcium plus magnesium oxide applied at a rate of 100 pounds per 1,000 square feet. Fertilizer (10-10-10) is to be applied at a rate of 15 pounds per 1,000 square feet. Seeding shall be applied with a mix of Kentucky Bluegrass applied at a rate of 20 pounds per acre, Creeping Red Fescue applied at a rate of 20 pounds per acre and Perennial Ryegrass applied at a rate of 5 pounds per acre for a total application of 45 pounds per acre. After seeding, the areas seeded shall be stabilized with hay mulch immediately applied at a rate of 70 pounds per 1,000 square feet and anchored by tracking. Seeding shall only occur between April 1 and June 15 and August 15 to October 1.

13. Once all seeded areas have been thoroughly stabilized and cut with two cuttings, erosion and sediment control measures shall be removed.

FILTER BARRIER INSTALLATION & MAINTENANCE:

1. Dig a 6" trench on the uphill side of the barrier location.

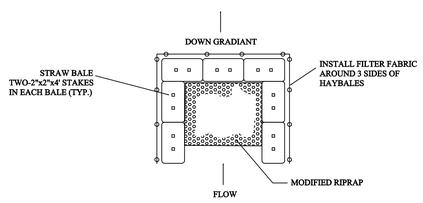
2. Position the posts on the downhill side of the barrier and drive the post 1.5 feet into the ground.

3. Lay the bottom 6" of the fabric in the trench to prevent undermining and backfill.

4. Inspect and repair barrier after heavy rainfall.

5. Sediment deposits are to be removed when they reach a height of one foot behind the barrier and are to be deposited in an area which is not regulated by the Inland Wetlands Commission.

6. Inspections and necessary repairs will be made twice weekly.



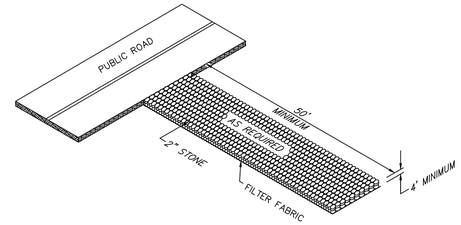
PLAN VIEW PLUNGE POOL

CONSTRUCTION NOTES:
1. SILT FENCE FILTER CLOTH TO BE SECURELY FASTED TO GRADE STAKE WITH STAPLES 6" ON CENTER.
2. WHEN 2 SECTIONS OF FILTER CLOTH ADJOIN ONE ANOTHER THEY SHALL OVERLAP BY 6" AND BE FOLDED.
3. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING HE ADJACENT BALES.

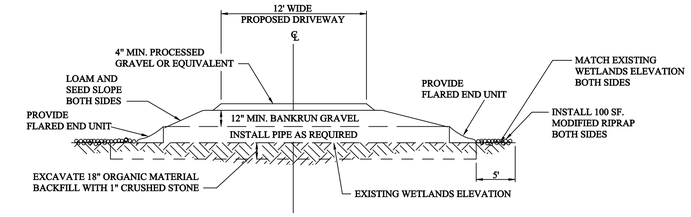
DE-WATERING PLAN

A CLEAR DISCHARGE SHALL BE PROVIDED AS FOLLOWS:
A. THE WATER SHALL BE PUMPED TO A DEWATERING STRUCTURE WHICH SHALL BE LOCATED AT LEAST 50 FEET FROM ANY REGULATED WETLAND AREA.
B. THE DEWATERING STRUCTURE SHALL BE SIZED TO ACCOMMODATE EXISTING FLOWS. (SEE DETAIL)
C. THE DEWATERING STRUCTURE SHALL BE SURROUNDED BY SILT FENCE AND THE OUTFALL IS TO BE DISCHARGED TO A VEGETATED AREA.

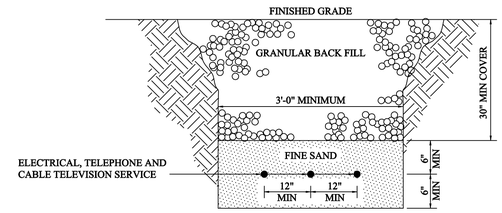
STRAW BALE BARRIER DE-WATERING DETAIL
NOT TO SCALE



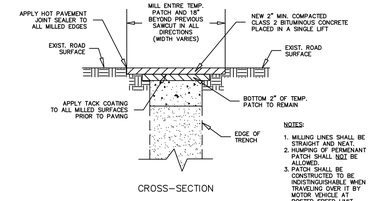
CONSTRUCTION ENTRANCE
NOT TO SCALE



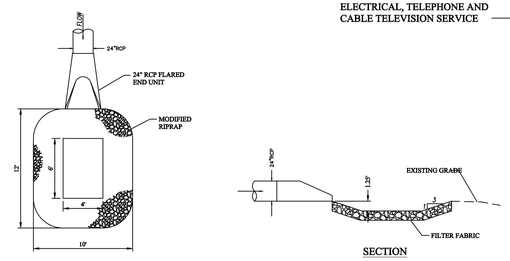
DRIVEWAY THROUGH
INLAND WETLANDS
NOT TO SCALE



UTILITY TRENCH
CROSS SECTION
NOT TO SCALE



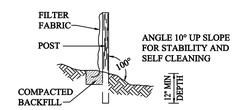
PAVEMENT REPAIR DETAIL
CROSS SECTION
NOT TO SCALE



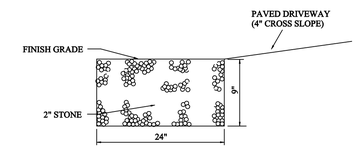
PLAN

SECTION

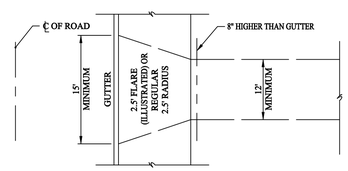
PREFORMED RIPRAP SCOUR HOLE
NOT TO SCALE



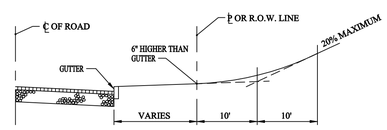
SILT FENCE
NOT TO SCALE



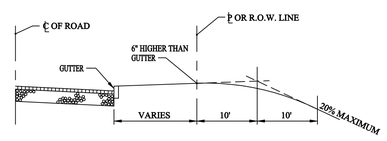
STONE SHOULDER
NOT TO SCALE



PLAN



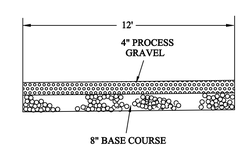
SAG CURVE IN DRIVE



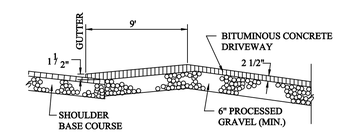
CREST CURVE IN DRIVE

*DRIVEWAYS AT A 10% OR MORE SLOPE
SHALL BE PAVED

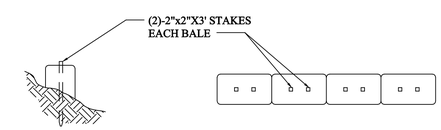
RESIDENTIAL DRIVEWAY DETAILS
NOT TO SCALE



GRAVEL DRIVEWAY
NOT TO SCALE



BITUMINOUS CONCRETE APRON
NOT TO SCALE



HAYBALE BARRIER
NOT TO SCALE

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND THE EMBOSSED SEAL OF THE SURVEYOR HEREON.

RICHARD A. DESCHAMPS L.S. #70019 DATE

PROJECT NO.	19-1355
DRAWN BY:	R.A.D.
DATE:	8/24/19
SCALE:	AS NOTED
SHEET	6 0F 7
REVISIONS	
4/20	PER ENGINEERS COMMENTS

SUBDIVISION PLAN
PREPARED FOR

JWR ASSOCIATES

234 SIMPSON LANE
MONTVILLE, CONNECTICUT

NOTES - DETAILS - E & S CONTROLS

ADVANCED SURVEYS, LLC.
25 Apple Lane, Colchester CT. 06415
Phone & Fax (860) 267-5979

N
W E
S

TEST HOLE DATA

WITNESSED BY MICHAEL KIRBY
UNCAS HEALTH DISTRICT - 8/29/19, 8/30/19 & 10/24/19

TH#A - 0"-15" TOPSOIL
- 15"-25" SUBSOIL
- 25"-72" GRAY COMPACT SAND & SILT, STONES
NO WATER, MOTTING@25", NO LEDGE
ROOTS TO 34", RESTRICTIVE - 25"

TH#B - 0"-7" TOPSOIL
- 7"-23" SUBSOIL
- 23"-74" GRAY COMPACT SAND & SILT, STONES
NO WATER, MOTTING@23", NO LEDGE
ROOTS TO 34", RESTRICTIVE - 23"

TH#1A - 0"-11" TOPSOIL
- 11"-32" SUBSOIL
- 32"-73" FIRM SAND & GRAVEL, SOME SILT
NO WATER, MOTTING@26", NO LEDGE
ROOTS TO 26", RESTRICTIVE - 26"

TH#1B - 0"-11" TOPSOIL
- 11"-23" SUBSOIL
- 23"-72" FIRM SAND & GRAVEL, SOME SILT
NO WATER, MOTTING@28", NO LEDGE
ROOTS TO 40", RESTRICTIVE - 28"

TH#1C - 0"-7" TOPSOIL
- 7"-30" SUBSOIL
- 30"-72" FIRM SAND & GRAVEL, SOME SILT
NO WATER, MOTTING@30", NO LEDGE
ROOTS TO 28", RESTRICTIVE - 30"

TH#1D - 0"-8" TOPSOIL
- 8"-32" SUBSOIL
- 32"-74" FIRM SAND & GRAVEL, SOME SILT
NO WATER, MOTTING@32", NO LEDGE
ROOTS TO 27", RESTRICTIVE - 32"

TH#2A - 0"-6" TOPSOIL
- 6"-24" SUBSOIL
- 24"-79" FIRM SAND W/SILTS, ROCK
NO WATER, MOTTING@24", NO LEDGE
ROOTS TO 21", RESTRICTIVE - 24"

TH#2B - 0"-9" TOPSOIL
- 9"-27" SUBSOIL
- 27"-76" FIRM SAND W/SILTS, ROCK
NO WATER, MOTTING@27", NO LEDGE
ROOTS TO 26", RESTRICTIVE - 27"

TH#2C - 0"-8" TOPSOIL
- 8"-29" SUBSOIL
- 29"-77" FIRM SAND W/SILTS, ROCK
NO WATER, MOTTING@29", NO LEDGE
ROOTS TO 30", RESTRICTIVE - 29"

TH#2D - 0"-10" TOPSOIL
- 10"-28" SUBSOIL
- 28"-70" FIRM SAND W/SILTS, ROCK
NO WATER, MOTTING@28", NO LEDGE
ROOTS TO 32", RESTRICTIVE - 28"

TH#3A - 0"-10" TOPSOIL
- 10"-24" SUBSOIL
- 24"-76" COMPACT SAND W/SILTS, ROCK
NO WATER, MOTTING@24", NO LEDGE
ROOTS TO 19", RESTRICTIVE - 24"

TH#3B - 0"-9" TOPSOIL
- 9"-28" SUBSOIL
- 28"-81" FIRM SAND SOME SILT, STONES
NO WATER, MOTTING@28", NO LEDGE
ROOTS TO 41", RESTRICTIVE - 28"

TH#3C - 0"-8" TOPSOIL
- 8"-25" SUBSOIL
- 25"-76" FIRM SAND SOME SILT, STONES
NO WATER, MOTTING@25", NO LEDGE
ROOTS TO 25", RESTRICTIVE - 25"

TH#3D - 0"-8" TOPSOIL
- 8"-26" SUBSOIL
- 26"-84" FIRM SAND SOME SILT, STONES
NO WATER, MOTTING@26", NO LEDGE
ROOTS TO 30", RESTRICTIVE - 26"

TH#4A - 0"-8" TOPSOIL
- 8"-21" SUBSOIL
- 21"-71" GRAY COMPACT SAND & SILT, ROCKS
NO WATER, MOTTING@21", NO LEDGE
ROOTS TO 21", RESTRICTIVE - 21"

TH#4B - 0"-7" TOPSOIL
- 7"-26" SUBSOIL
- 26"-86" GRAY COMPACT SAND & SILT, ROCKS
NO WATER, MOTTING@26", NO LEDGE
ROOTS TO 25", RESTRICTIVE - 26"

TH#4C - 0"-9" TOPSOIL
- 9"-30" SUBSOIL
- 30"-74" GRAY COMPACT SAND & SILT, ROCKS
NO WATER, MOTTING@30", NO LEDGE
ROOTS TO 20", RESTRICTIVE - 30"

TH#4D - 0"-7" TOPSOIL
- 7"-25" SUBSOIL
- 25"-82" GRAY COMPACT SAND & SILT, ROCKS
NO WATER, MOTTING@25", NO LEDGE
ROOTS TO 21", RESTRICTIVE - 25"

TH#5A - 0"-8" TOPSOIL
- 8"-32" SUBSOIL
- 32"-74" GRAY FIRM SAND W/SILT
NO WATER, MOTTING@32", NO LEDGE
ROOTS TO 23", RESTRICTIVE - 32"

TH#5B - 0"-8" TOPSOIL
- 8"-31" SUBSOIL
- 31"-72" GRAY FIRM SAND W/SILT, MOTTLED
WATER@56", MOTTING@24", NO LEDGE
ROOTS TO 19", RESTRICTIVE - 24"

TH#5C - 0"-7" TOPSOIL
- 7"-29" SUBSOIL
- 29"-72" GRAY FIRM SAND W/SILT
NO WATER, MOTTING@29", NO LEDGE
ROOTS TO 19", RESTRICTIVE - 29"

TH#5D - 0"-9" TOPSOIL
- 9"-24" SUBSOIL
- 24"-76" GRAY FIRM SAND W/SILT
WATER@56", MOTTING@24", NO LEDGE
ROOTS TO 23", RESTRICTIVE - 24"

TH#6A - 0"-7" TOPSOIL
- 7"-24" SUBSOIL
- 24"-72" GRAY FIRM SAND W/SILT
WATER@46", MOTTING@24", NO LEDGE
ROOTS TO 27", RESTRICTIVE - 24"

TH#6B - 0"-7" TOPSOIL
- 7"-29" SUBSOIL
- 29"-81" GRAY FIRM SAND W/SILT, MOTTLED
NO WATER, MOTTING@29", NO LEDGE
ROOTS TO 29", RESTRICTIVE - 29"

TH#6C - 0"-8" TOPSOIL
- 8"-24" SUBSOIL
- 24"-80" GRAY FIRM SAND W/SILT
WATER@59", MOTTING@24", NO LEDGE
ROOTS TO 23", RESTRICTIVE - 24"

TH#6D - 0"-7" TOPSOIL
- 7"-24" SUBSOIL
- 24"-72" GRAY FIRM SAND W/SILT
NO WATER, MOTTING@24", NO LEDGE
ROOTS TO 20", RESTRICTIVE - 24"

TH#7A - 0"-7" TOPSOIL
- 7"-25" SUBSOIL
- 25"-78" GRAY FIRM SAND W/SILT
NO WATER, MOTTING@25", NO LEDGE
ROOTS TO 21", RESTRICTIVE - 25"

TH#7B - 0"-8" TOPSOIL
- 8"-26" SUBSOIL
- 26"-79" GRAY FIRM SAND W/SILT,MOTTLED
WATER@59", MOTTING@26", NO LEDGE
ROOTS TO 24", RESTRICTIVE - 26"

TH#7C - 0"-8" TOPSOIL
- 8"-33" SUBSOIL
- 33"-79" GRAY FIRM SAND W/SILT
NO WATER, MOTTING@25", NO LEDGE
ROOTS TO 27", RESTRICTIVE - 25"

TH#7D - 0"-7" TOPSOIL
- 7"-29" SUBSOIL
- 29"-76" GRAY FIRM SAND W/SILT
NO WATER, MOTTING@29", NO LEDGE
ROOTS TO 22", RESTRICTIVE - 29"

TH#8A - 0"-10" TOPSOIL
- 10"-24" SUBSOIL
- 24"-69" GRAY COMPACT SAND & SILT
WATER@22", MOTTING@22", NO LEDGE
NO ROOTS, RESTRICTIVE - 22"

TH#8B - 0"-10" TOPSOIL
- 10"-23" SUBSOIL
- 23"-68" GRAY COMPACT SAND & SILT
WATER@25", MOTTING@23", NO LEDGE
NO ROOTS, RESTRICTIVE - 23"

TH#8C - 0"-9" TOPSOIL
- 9"-20" SUBSOIL
- 20"-70" GRAY COMPACT SAND & SILT
WATER@24", MOTTING@20", NO LEDGE
NO ROOTS, RESTRICTIVE - 20"

TH#8D - 0"-12" TOPSOIL
- 12"-23" SUBSOIL
- 23"-64" GRAY COMPACT SAND & SILT
WATER@24", MOTTING@24", NO LEDGE
NO ROOTS, RESTRICTIVE - 24"

PERC TEST DATA

PERFORMED BY ADVANCED SURVEYS, LLC - 8/29/19, 8/30/19 & 10/24/19

PERC #A
DEPTH - 24"
PRESOAK - 8:35
9:35 - 6"
9:45 - 11"
9:55 - 13 1/4"
10:05 - 17 3/4"
10:15 - 19 1/4"
10:25 - 20 1/2"
10:35 - 21 1/2"
PERC RATE - 9 MINUTES PER INCH

PERC #1
DEPTH - 23"
PRESOAK - 8:30
9:30 - 10"
9:40 - 12 1/2"
9:50 - 15"
10:00 - 17"
10:10 - 18 3/8"
10:20 - 20"
10:30 - 21 1/4" DRY
PERC RATE - 7 MINUTES PER INCH

PERC #2
DEPTH - 22"
PRESOAK - 8:50
9:40 - 8 1/2"
9:50 - 12"
10:00 - 15 1/4"
10:10 - 17 3/4"
10:20 - 19"
10:30 - 20 1/4"
PERC RATE - 8 MINUTES PER INCH

PERC #3
DEPTH - 23"
PRESOAK - 10:00
10:45 - 3 1/2"
10:55 - 9"
11:05 - 12 1/2"
11:15 - 15"
11:25 - 17 1/4"
11:35 - 19"
11:45 - 20 1/4"
PERC RATE - 7 MINUTES PER INCH

PERC #4
DEPTH - 24"
PRESOAK - 7:30
8:10 - 2"
8:20 - 8 1/2"
8:30 - 14"
8:40 - 17"
8:50 - 19"
9:00 - 20 1/2"
9:10 - 21 3/4"
PERC RATE - 7 MINUTES PER INCH

PERC #5
DEPTH - 22"
PRESOAK - 8:10
9:20 - 3"
9:30 - 6"
9:40 - 8"
9:50 - 10"
10:00 - 11 1/2"
10:10 - 12 3/4"
10:20 - 14"
PERC RATE - 8 MINUTES PER INCH

PERC #6
DEPTH - 25"
PRESOAK - 11:20
12:10 - 7 1/2"
12:20 - 12"
12:30 - 16"
12:40 - 18 1/2"
12:50 - 19 3/4"
11:00 - 21"
11:15 - 22"
PERC RATE - 9 MINUTES PER INCH

PERC #7
DEPTH - 22"
PRESOAK - 8:45
10:30 - 8 1/4"
10:40 - 14"
10:50 - 17 1/2"
11:00 - 19"
11:10 - 20" DRY
PERC RATE - 11 MINUTES PER INCH

PERC #8
DEPTH - 18"
PRESOAK - 8:20
9:15 - 5 1/2"
9:25 - 8 3/4"
9:35 - 10 1/2"
9:45 - 11 3/4"
9:55 - 12 3/4"
10:05 - 13 1/2"
10:15 - 14 1/2"
PERC RATE - 12 MINUTES PER INCH

MLSS DATA

LOT #49-1
4 BEDROOM RESIDENCE
SLOPE 1.5%
PERC RATE - 1" IN 7 MINUTES
RECEIVING SOIL DEPTH (AVG.) 29"
(HF) 56 X (FF) 1.75 X (PF) 1.0 = 98'
MLSS REQUIRED - 98.0'
MLSS PROVIDED 98'
4 BEDROOM HOUSE REQUIRES 577.5 S.F.
OF EFFECTIVE LEACHING AREA
USE 98 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(98 X 10.0 = 980 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

LOT #49-3
4 BEDROOM RESIDENCE
SLOPE 6.5%
PERC RATE - 1" IN 7 MINUTES
RECEIVING SOIL DEPTH (AVG.) 27.5"
(HF) 28 X (FF) 1.75 X (PF) 1.0 = 49.0'
MLSS REQUIRED - 49.0'
MLSS PROVIDED 58'
4 BEDROOM HOUSE REQUIRES 577.5 S.F.
OF EFFECTIVE LEACHING AREA
USE 58 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(58 X 10.0 = 580 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

LOT #49-5
4 BEDROOM RESIDENCE
SLOPE 2.2%
PERC RATE - 1" IN 8 MINUTES
RECEIVING SOIL DEPTH (AVG.) 27"
(HF) 42 X (FF) 1.75 X (PF) 1.0 = 73.5'
MLSS REQUIRED - 73.5'
MLSS PROVIDED 74'
4 BEDROOM HOUSE REQUIRES 577.5 S.F.
OF EFFECTIVE LEACHING AREA
USE 74 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(74 X 10.0 = 740 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

LOT 49-7
4 BEDROOM RESIDENCE
SLOPE 4.5%
PERC RATE - 1" IN 9 MINUTES
RECEIVING SOIL DEPTH (AVG.) 25.25"
(HF) 30 X (FF) 1.75 X (PF) 1.25 = 65.6'
MLSS REQUIRED - 65.6'
MLSS PROVIDED 66'
4 BEDROOM HOUSE REQUIRES 577.5 S.F.
OF EFFECTIVE LEACHING AREA
USE 66 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(66 X 10.0 = 660 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

EXISTING LOT #49
3 BEDROOM RESIDENCE
SLOPE 7.5%
PERC RATE - 1" IN 9 MINUTES
RECEIVING SOIL DEPTH (AVG.) 26"
(HF) 30 X (FF) 1.5 X (PF) 1.0 = 45'
MLSS REQUIRED - 45'
MLSS PROVIDED 50'
3 BEDROOM HOUSE REQUIRES 495 S.F.
OF EFFECTIVE LEACHING AREA
USE 50 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(50 X 10.0 = 500 S.F.)
USE 1,000 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

LOT 49-2
4 BEDROOM RESIDENCE
SLOPE 4.8%
PERC RATE - 1" IN 8 MINUTES
RECEIVING SOIL DEPTH (AVG.) 27"
(HF) 30 X (FF) 1.75 X (PF) 1.0 = 52.5'
MLSS REQUIRED - 52.5'
MLSS PROVIDED 58'
4 BEDROOM HOUSE REQUIRES 577.5 S.F.
OF EFFECTIVE LEACHING AREA
US E58 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(58 X 10.0 = 580 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

LOT #49-4
4 BEDROOM RESIDENCE
SLOPE 3.2%
PERC RATE - 1" IN 7 MINUTES
RECEIVING SOIL DEPTH (AVG.) 25.5"
(HF) 42 X (FF) 1.75 X (PF) 1.0 = 73.5'
MLSS REQUIRED - 73.5'
MLSS PROVIDED 74'
4 BEDROOM HOUSE REQUIRES 577.5 S.F.
OF EFFECTIVE LEACHING AREA
USE 74 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(74 X 10.0 = 740 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

LOT 49-6
4 BEDROOM RESIDENCE
SLOPE 5.0%
PERC RATE - 1" IN 8 MINUTES
RECEIVING SOIL DEPTH (AVG.) 26.25"
(HF) 30 X (FF) 1.75 X (PF) 1.0 = 52.5'
MLSS REQUIRED - 52.5'
MLSS PROVIDED 58'
4 BEDROOM HOUSE REQUIRES 577.5 S.F.
OF EFFECTIVE LEACHING AREA
USE 58 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(58 X 10.0 = 580 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

LOT 49-8
4 BEDROOM RESIDENCE
SLOPE 3.3%
PERC RATE - 1" IN 12 MINUTES
RECEIVING SOIL DEPTH (AVG.) 22.25"
(HF) 42 X (FF) 1.75 X (PF) 1.25 = 91.9'
MLSS REQUIRED - 91.9'
MLSS PROVIDED 92'
4 BEDROOM HOUSE REQUIRES 787.5 S.F.
OF EFFECTIVE LEACHING AREA
USE 92 FEET OF GEOMATRIX-GST 6212 (12" DEPTH)
(92 X 10.0 = 920 S.F.)
USE 1,250 GAL. 2 COMPARTMENT SEPTIC TANK
W/ OUTLET FILTER DEVICE

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND THE EMBOSSED SEAL OF THE SURVEYOR HEREON.

RICHARD A. DESCHAMPS L.S. #70019 DATE

PROJECT NO.	19-135
DRAWN BY:	R.A.D.
DATE:	8/24/19
SCALE:	AS NOTED
SHEET	7 0F 7
REVISIONS	
3/10/20	HEALTH DEPT. COMMENTS
4/20	HEALTH DEPT. COMMENTS

SUBDIVISION PLAN
PREPARED FOR

JWR ASSOCIATES

234 SIMPSON LANE
MONTVILLE, CONNECTICUT

SOILS DATA & SANITARTY INFORMATION

ADVANCED SURVEYS, LLC.
25 Apple Lane, Colchester CT. 06415
Phone & Fax (860) 267-5979

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