

ZONING TABLE

SUBDIVIDER: D'AMATO BROTHERS BUILDERS
183 QUARRY ROAD
MILFORD, CT 06460

[illegible]

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APPROVED BY THE MONTVILLE COLUMBIA PLANNING & ZONING COMMISSION ON _____

BY: _____
CHAIRMAN, VICE CHAIRMAN, SECRETARY

DATE: _____

PER C.G.S. SECTION 8-26C, AS MAY BE AMENDED, ALL WORK IN CONJUNCTION WITH THE APPROVED SUBDIVISION SHALL BE COMPLETED WITHIN FIVE (5) YEARS ON OR BEFORE _____

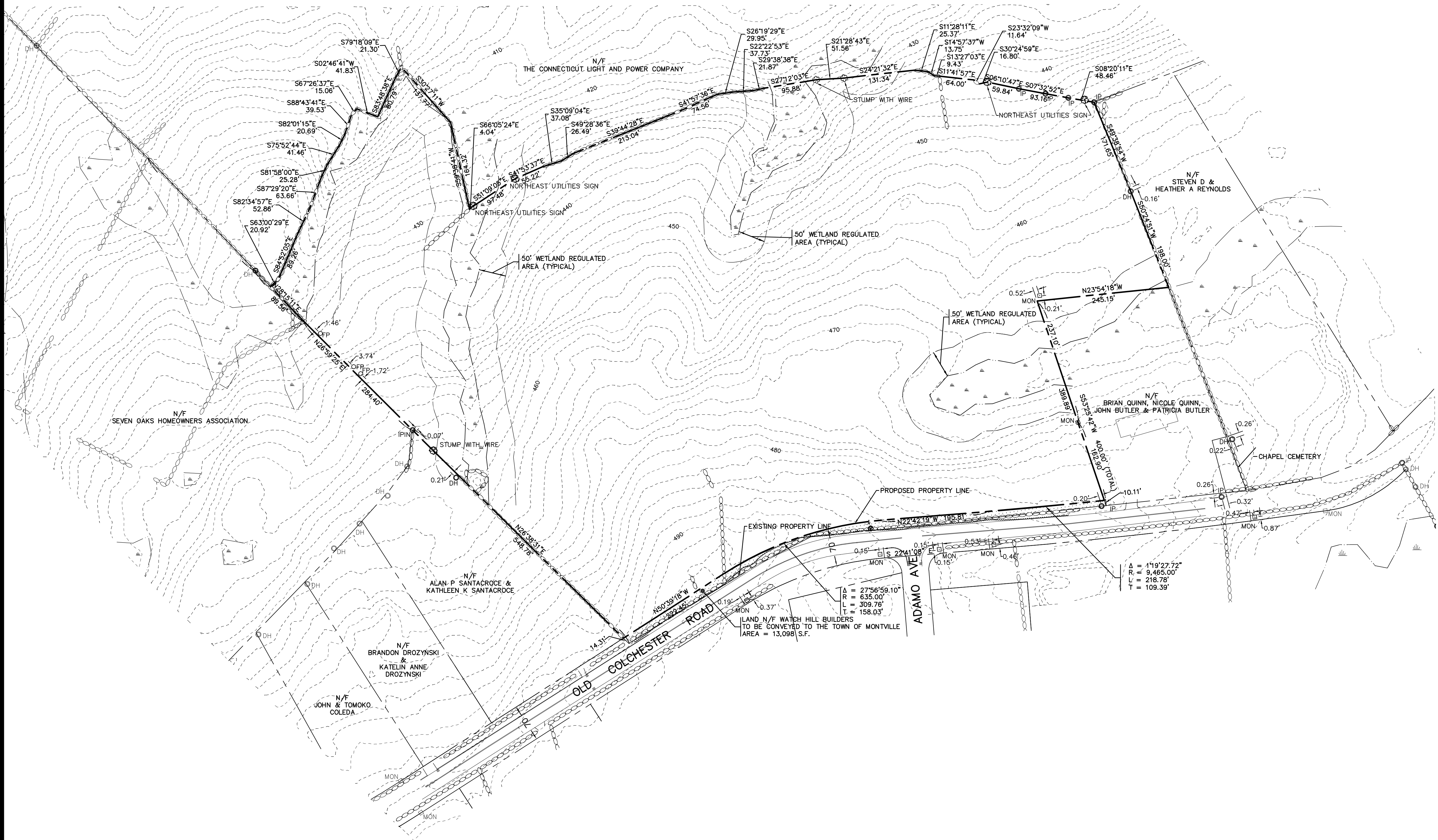
APPROVAL OF THIS SUBDIVISION PLAN BY THE COMMISSION SHALL MEAN CERTIFICATION OF THE EROSION AND SEDIMENT CONTROL PLAN.



**WENTWORTH CIVIL
ENGINEERS LLC**

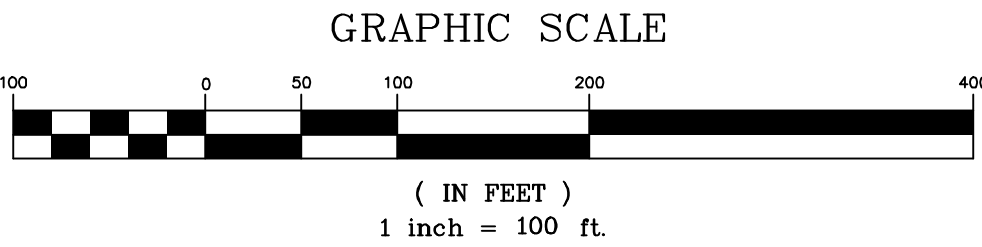
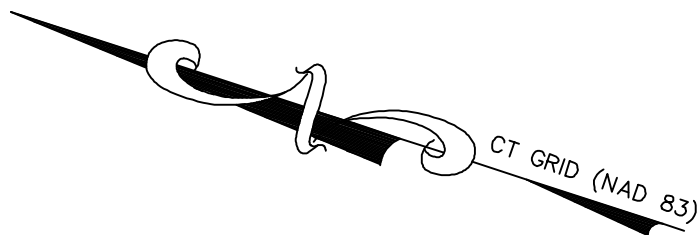
177 WEST TOWN ST.
LEBANON, CT 06249
TEL. (860) 642-7255
FAX (860) 642-4794
web: wentworthcivil.com

F:\BSE PROJECTS\MONTVILLE\0-AMATO-RASSMUSSEN OLD COLCHESTER RD\DWG\RASSMUSSEN PS REV 1.DWG



LEGEND

- PROPERTY/STREET LINE
- CONCRETE MONUMENT
- IRON PIN/IRON PIPE/DRILLHOLE
- PROPOSED IRON PIN
- EASEMENT LINE
- STREAM
- INLAND WETLANDS
- WETLAND REGULATED AREA
- WETLAND/MARSH
- LOT 1
- STONE WALL
- CHAIN LINK FENCE
- SETBACK LINE
- CONTOUR



NOTES

- THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B-1 THROUGH 20-300B-20, THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON JUNE 21, 1996 AND AMENDED OCTOBER 26, 2018.
 - THE HORIZONTAL ACCURACY CONFORMS TO CLASS D AND THE TOPOGRAPHIC ACCURACY CONFORMS TO CLASS A-2.
 - THE TYPE OF SURVEY IS A PROPERTY SURVEY. THIS MAP IS INTENDED TO DEPICT OR NOTE THE LOCATION OF EXISTING PROPERTY LINES, LINES OF OCCUPATION, EASEMENTS, ENCROACHMENTS, BUILDING, AND OTHER SITE IMPROVEMENTS.
- REFERENCE IS MADE TO THE FOLLOWING MAPS ENTITLED:
 - "PLAN MADE FOR GRACE H. LAKENBACH, OLD COLCHESTER ROAD, MONTVILLE, CONNECTICUT", BY CHANDLER, PALMER & KING, SCALE: 1"=100' AND DATED SEPT. 24, 1975.
 - "SUBDIVISION PLAN, PROPERTY OF GRACE H. LAKENBACH, PREPARED FOR PAUL LAKENBACH, OLD COLCHESTER ROAD, MONTVILLE, CONNECTICUT", BY CHANDLER, PALMER & KING, SCALE: 1"=40', DATED MAY 2, 1994 AND REVISED LAST 9/19/94.
 - "RECORD SUBDIVISION MAP PINE RIDGE ESTATES SUBDIVISION OLD COLCHESTER ROAD MONTVILLE, CONNECTICUT" (SHEETS 1-4 OF 4), BY: BENNETT & SMILAS ENGINEERING, INC., SCALE: 1" = 100', DATED: JANUARY 20, 2000, SHEETS 1 & 2 REVISED: 4/26/00, 6/8/00, AND 11/14/00 AND SHEET 4 REVISED 4/26/00, 6/20/00, AND 10/20/00. SAID MAPS ARE RECORDED IN THE TOWN OF MONTVILLE LAND RECORDS AS MAPS #1725, #1726, #1727, AND #1728.
 - "RESUBDIVISION PLAN PROPERTY LOCATED AT 995 & 1015 OLD COLCHESTER ROAD MONTVILLE, CONNECTICUT" BY MAY ENGINEERING LLC, SCALE: 1"=40' DATED: 15 AUGUST 2006, REVISED 16 NOV 06 AND RECORDED IN THE TOWN OF MONTVILLE LAND RECORDS AS MAP #2153.
- THE CURRENT PROPERTY OWNER OF RECORD IS WATCH HILL BUILDERS, LLC AS DESIGNATED IN VOLUME 0684, PAGE 1135 IN THE TOWN OF MONTVILLE CLERK'S OFFICE.
- PROPERTY LOCATED AT OLD COLCHESTER RD IS DESIGNATED AS PARCEL ID 037-006-000 IN THE TOWN OF MONTVILLE ASSESSOR'S OFFICE.
- THIS PROPERTY IS IN THE R-120 RESIDENTIAL ZONING DISTRICT. THE MINIMUM LOT SIZE IS 120,000 SQUARE FEET AND THE MINIMUM LOT FRONTAGE IS 200 FEET. MINIMUM SETBACKS ARE: FRONT - 60 FEET, SIDE - 25 FEET, AND REAR - 60 FEET.
- INLAND WETLAND LIMITS SHOWN HEREON WERE DELINEATED ON MARCH 18, 2022 BY JOSEPH R. THEROUX AND FIELD LOCATED BY BENNETT & SMILAS ASSOCIATES, INC. IN APRIL, 2022.
- NO UNDERGROUND UTILITIES ARE DEPICTED HEREON. IF APPLICABLE, UTILIZE THE "CALL BEFORE YOU DIG" NUMBER (1-800-922-4455) TO VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES.
- THE TOTAL AREA OF THIS PROPERTY IS 1,122,148 S.F. (25.761 ACRES).

BENNETT & SMILAS ASSOCIATES, INC.
415 KILLINGWORTH ROAD, P.O. BOX 241
HIGGANUM, CONNECTICUT 06441
(860) 345-4658 FAX (860) 345-3858

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

Michael J. Bennett
MICHAEL J. BENNETT
R.L.S. #10831

SEAL

THE EMBOSSED SEAL OF THE SURVEYOR MUST BE AFFIXED HERE FOR THIS MAP TO BE VALID
MICHAEL J. BENNETT, L.S. #10831

PROPERTY AND TOPOGRAPHIC SURVEY
PINE GROVE SUBDIVISION
D'AMATO BROTHERS BUILDERS
OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

DATE:
07/28/2023

SCALE:
1"=100'

SHEET:

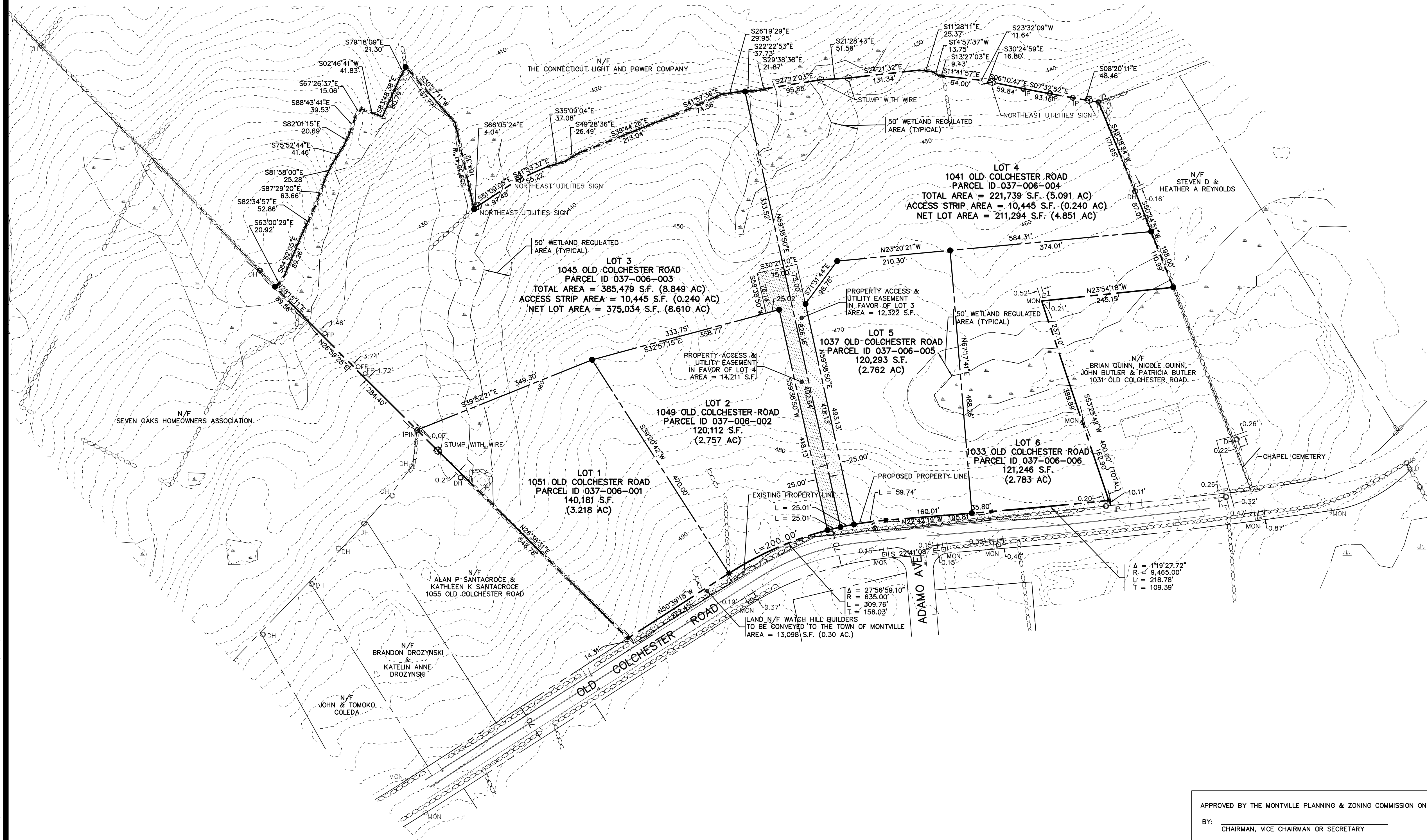
2 OF 8

DWG. NO.:

1

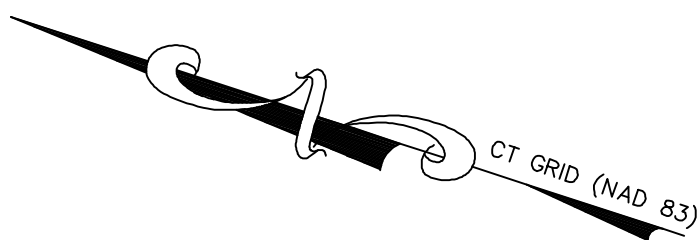
NO.	DATE	DESCRIPTION	BY
1	09/25/23	REVISED PER STAFF COMMENTS	CMB

F:\BSE PROJECTS\MONTVILLE\0-AMATO-RASSMUSSEN SUBDIVISION MAP REV 1.DWG



LEGEND

	PROPERTY/STREET LINE
	CONCRETE MONUMENT
	PROPOSED CONCRETE MONUMENT
	IRON PIN/IRON PIPE/DRILLHOLE
	PROPOSED IRON PIN
	EASEMENT LINE
	STREAM
	INLAND WETLANDS
	WETLAND REGULATED AREA
	WETLAND/MARSH
LOT 1	LOT NUMBER
	STONE WALL
	CHAIN LINK FENCE
	SETBACK LINE
	CONTOUR



GRAPHIC SCALE



(IN FEET)
1 inch = 100 ft.

NOTES

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- THE TOTAL AREA OF THIS PROPERTY IS 1,122,148 S.F. (25.761 ACRES). A 13,098 S.F. (0.301 AC.) IS BEING CONVEYED TO THE TOWN OF MONTVILLE TO INCREASE THE ROAD RIGHT OF WAY TO 70 FEET. A TOTAL OF 1,109,050 S.F. (25.460 AC.) IS BEING SUBDIVIDED.
- ALL IMPROVEMENTS SHOWN HEREIN ARE CONCEPTUAL AND DEVELOPMENT OF INDIVIDUAL LOTS REQUIRE INDIVIDUAL SITE PLANS PREPARED BY A LICENSED LAND SURVEYOR AND/OR PROFESSIONAL ENGINEER.
- THE SEPTIC SYSTEM FOR LOT 2 MUST BE DESIGNED BY A PROFESSIONAL ENGINEER.
- ALL LOTS WILL REQUIRE ADDITIONAL SOIL TESTING PRIOR TO THE REVIEW AND APPROVAL OF INDIVIDUAL SITE PLANS.
- ALL LOTS WILL BE SERVED BY OVERHEAD UTILITY WIRES.
- PASSIVE SOLAR ENERGY TECHNIQUES AS PRESCRIBED BY LAW HAVE BEEN CONSIDERED IN DEVELOPMENT OF THIS PLAN.

APPROVED BY THE MONTVILLE PLANNING & ZONING COMMISSION ON _____
BY: _____
CHAIRMAN, VICE CHAIRMAN OR SECRETARY
DATE: _____
PER C.G.S. SECTION 8-26c, AS MAY BE AMENDED, ALL WORK IN CONJUNCTION WITH THE APPROVED RESUBDIVISION SHALL BE COMPLETED WITHIN FIVE (5) YEARS ON OR BEFORE _____
APPROVAL OF THIS RESUBDIVISION PLAN BY THE COMMISSION SHALL MEAN CERTIFICATION OF THE EROSION AND SEDIMENT CONTROL PLAN.

1	09/25/23	REVISED PER STAFF COMMENTS	CMB
NO.	DATE	DESCRIPTION	BY

BENNETT & SMILAS ASSOCIATES, INC.
415 KILLINGWORTH ROAD, P.O. BOX 241
HIGGANUM, CONNECTICUT 06441
(860) 345-4668 FAX (860) 345-3868

TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

SEAL
THE EMBOSSED SEAL OF THE SURVEYOR MUST BE AFFIXED HERE FOR THIS MAP TO BE VALID

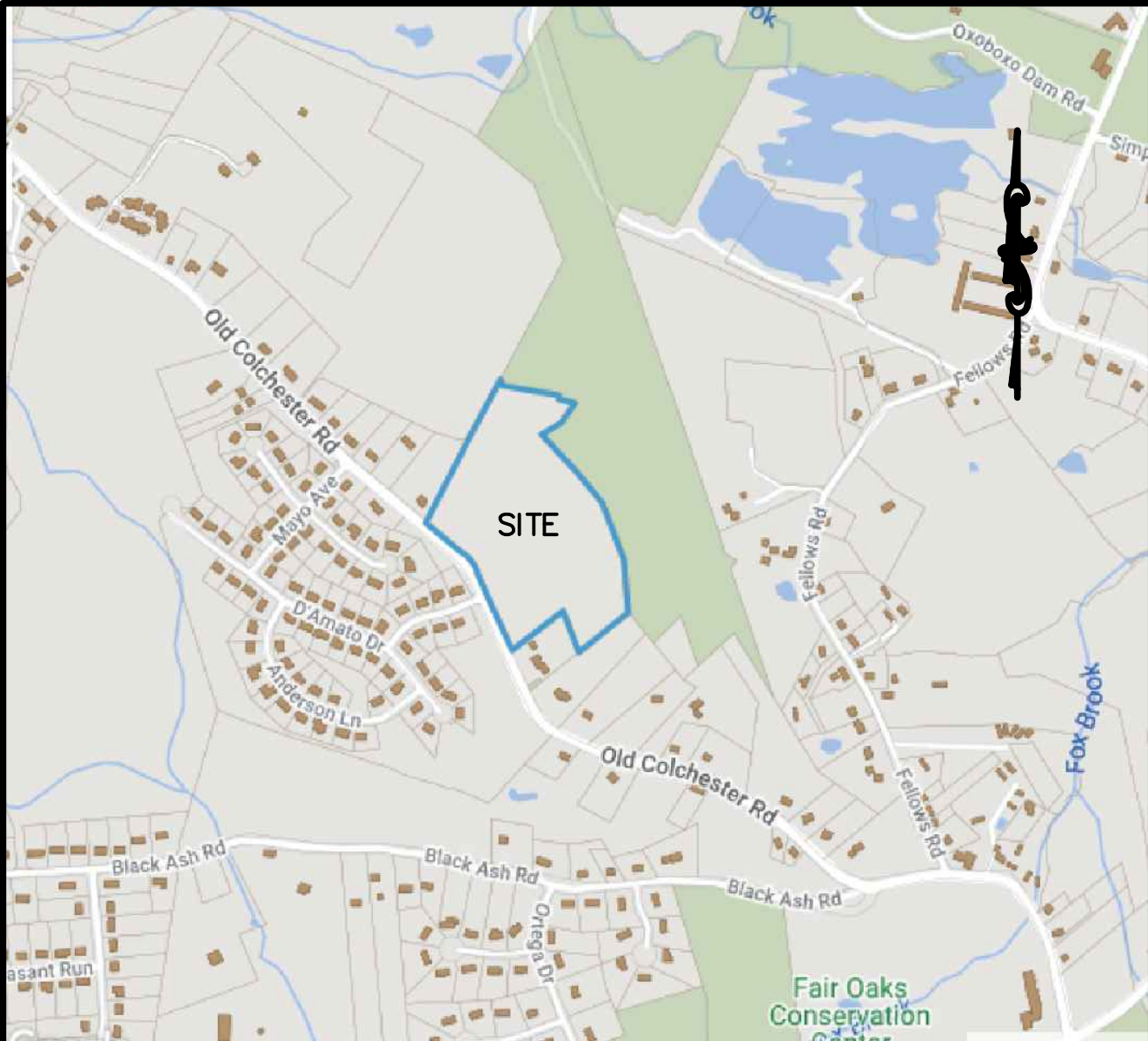
RECORD SUBDIVISION MAP
PINE GROVE SUBDIVISION
D'AMATO BROTHERS BUILDERS
OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

DATE: 07/28/2023

SCALE: 1"=100'

SHEET: 3 OF 8

DWG. NO.: 1



KEY MAP
SCALE : 1"=1000'

CLEARING LIMITS ON ALL LOTS SHALL BE STAKED OUT BY A LICENSED LAND SURVEYOR PRIOR TO THE START OF WORK FOR INDIVIDUAL LOT DEVELOPMENT.

WETLANDS PLACARDS SHALL BE PLACED BY A LICENSED LAND SURVEYOR AT THE 50' URA ON EACH LOT.

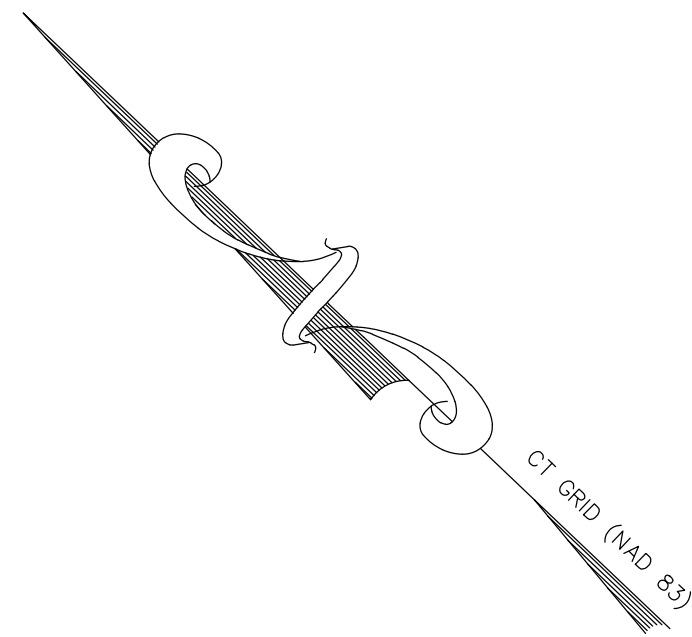
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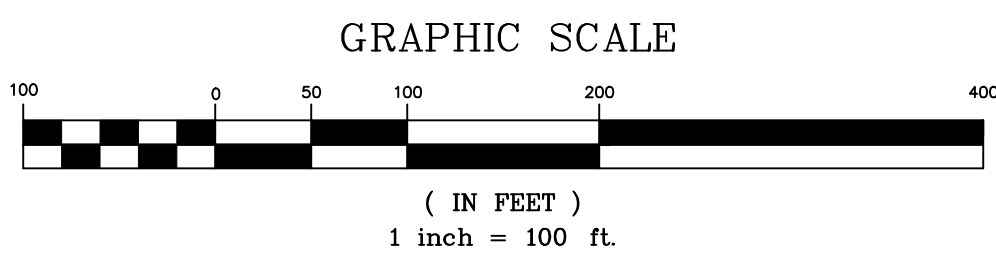
SOILS LEGEND

- 2 Ridgebury fine sandy loam, 0 to 3 percent slopes
- 3 Ridgebury, Leicester, and Whitman soils — extremely stony
- 46B Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony
- 60B Canton and Charlton fine sandy loams, 3 to 8 percent slopes
- 61B Canton and Charlton fine sandy loams, 0 to 8 percent slopes very stony
- 61C Canton and Charlton fine sandy loams, 8 to 15 percent slopes very stony



LEGEND

- PROPOSED IRON PIN
- WETLAND UPLAND REVIEW LIMIT
- PROPERTY LINE
- BUILDING SETBACK LINE
- STONEWALL
- FENCE
- EXISTING CONTOUR
- NRCS SOIL SURVEY BOUNDARY



REV. 9/25/23 TOWN STAFF COMMENTS

OVERALL PLAN
PINE GROVE SUBDIVISION
PREPARED FOR
D'AMATO BROTHERS BUILDERS
OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

DATE: 7-28-23
SCALE: 1"=100'
SHEET 4 OF 8
MAP NO. 22-013-1T

WENTWORTH CIVIL ENGINEERS LLC
177 WEST TOWN ST.
LEBANON, CT 06249
TEL (860) 642-7255
FAX (860) 642-4794
web: wentworthcivil.com

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

WESLEY J. WENTWORTH
P.E. # 20360



CLEARING LIMITS ON ALL LOTS SHALL BE STAKED OUT BY A LICENSED LAND SURVEYOR PRIOR TO THE START OF WORK FOR INDIVIDUAL LOT DEVELOPMENT.

NOTE: NO FREE DRAINING MATERIAL IS TO BE USED IN BACKFILLING UNDERGROUND UTILITIES WITHIN 25' OF WELLS OR THE UP SLOPE / SIDES OR 50' DOWN SLOPE OF THE PROPOSED SEPTIC SYSTEMS.

NOTE: ROOF & FOUNDATION DRAIN EXIT LINE PIPES ARE TO BE TIGHTPIPE WITHIN 25' OF THE PROPOSED SEPTIC SYSTEMS

NOTE: THE ZONING & SUBDIVISION REGULATIONS OF THE TOWN OF MONTVILLE ARE A PART OF THIS PLAN AND APPROVAL OF THIS PLAN IS CONTINGENT ON THE COMPLIANCE WITH ALL REQUIREMENTS OF THE SAID ZONING AND SUBDIVISION REGULATIONS

WARNING THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

PROPOSED GRAVEL DRIVEWAYS HAVE A MAXIMUM GRADE OF 10% AS SHOWN. DRIVEWAYS ARE TO BE CONSTRUCTED IN CONFORMANCE WITH TOWN DRIVEWAY STANDARDS.

ALL COMMON DRIVEWAYS SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH SECTION 130D (COMMON DRIVEWAYS) PER THE 2018 TOWN OF MONTVILLE ROAD STANDARDS AND IMPROVEMENT DETAILS.

PASSIVE SOLAR ENERGY TECHNIQUES AS PRESCRIBED BY LAW HAVE BEEN CONSIDERED IN DEVELOPMENT OF THIS PLAN.

WETLANDS PLACARDS SHALL BE PLACED BY A LICENSED LAND SURVEYOR AT THE 50' URA ON EACH LOT.

NO ACTIVITIES SHALL COMMENCE WITHIN REGULATED UPLANDS / WETLANDS AREAS WITHOUT PRIOR APPROVAL OF THE MONTVILLE INLAND WETLANDS COMMISSION.

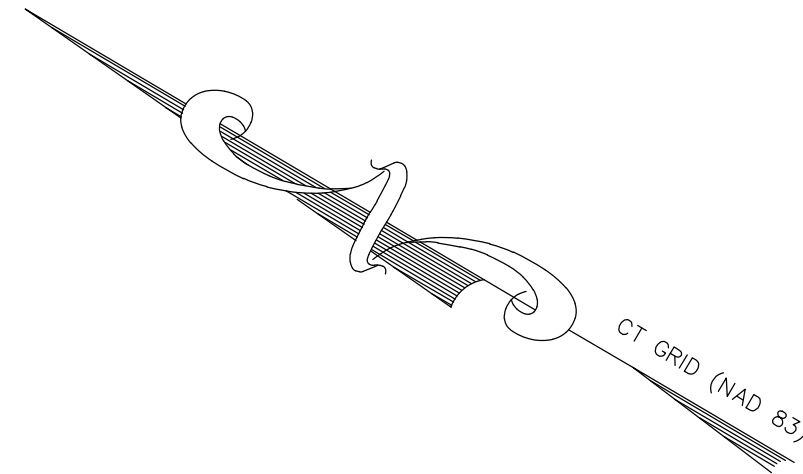
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ALL UTILITY CONNECTIONS CROSSING OLD COLCHESTER ROAD WILL BE OVERHEAD.

SEE

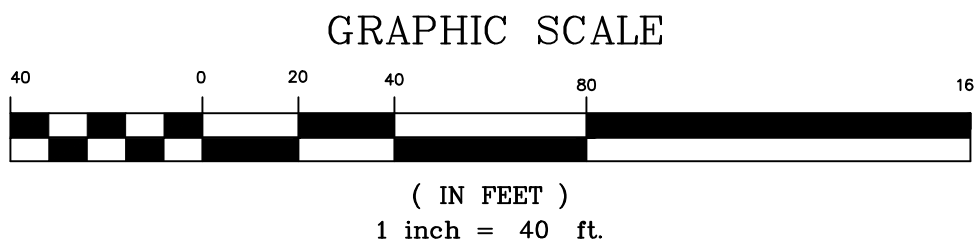
SHEET

6



LEGEND

- PROPOSED IRON PIN
- WETLAND UPLAND REVIEW LIMIT
- PROPERTY LINE
- BUILDING SETBACK LINE
- STONEWALL
- FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- STAKED HAYBALES / SILTFENCE
- PROPOSED LIMIT OF CLEARING



REV. 9/25/23 TOWN STAFF COMMENTS

SITE DEVELOPMENT PLAN &
EROSION & SEDIMENTATION CONTROL PLAN
PINE GROVE SUBDIVISION
PREPARED FOR
D'AMATO BROTHERS BUILDERS
OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

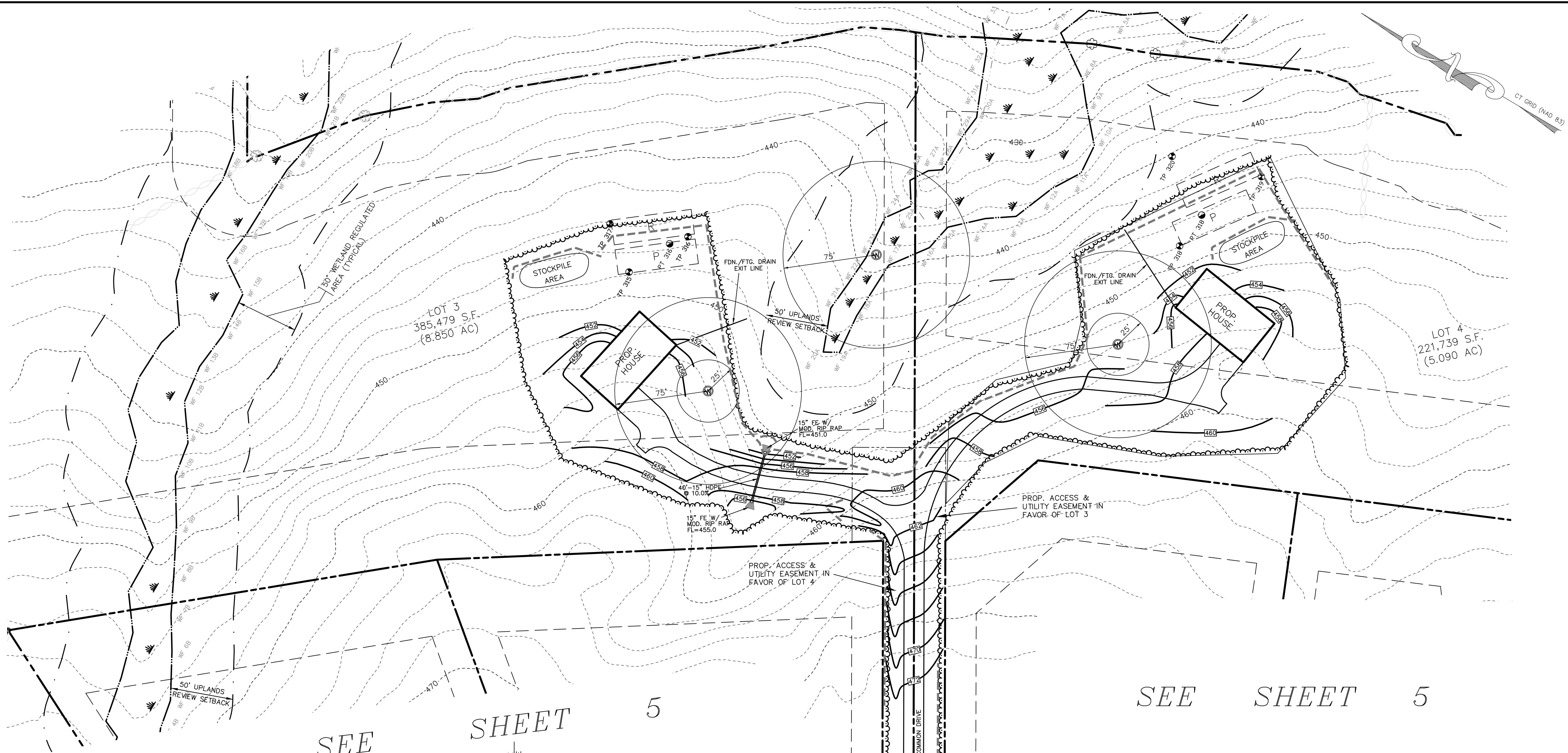
DATE: 7-28-23
SCALE: 1"=40'
SHEET 5 OF 8
MAP NO. 22-013-1T

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WARNING THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES - CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

PROPOSED GRAVEL DRIVEWAYS HAVE A MAXIMUM GRADE OF 10% AS SHOWN. DRIVEWAYS ARE TO BE CONSTRUCTED

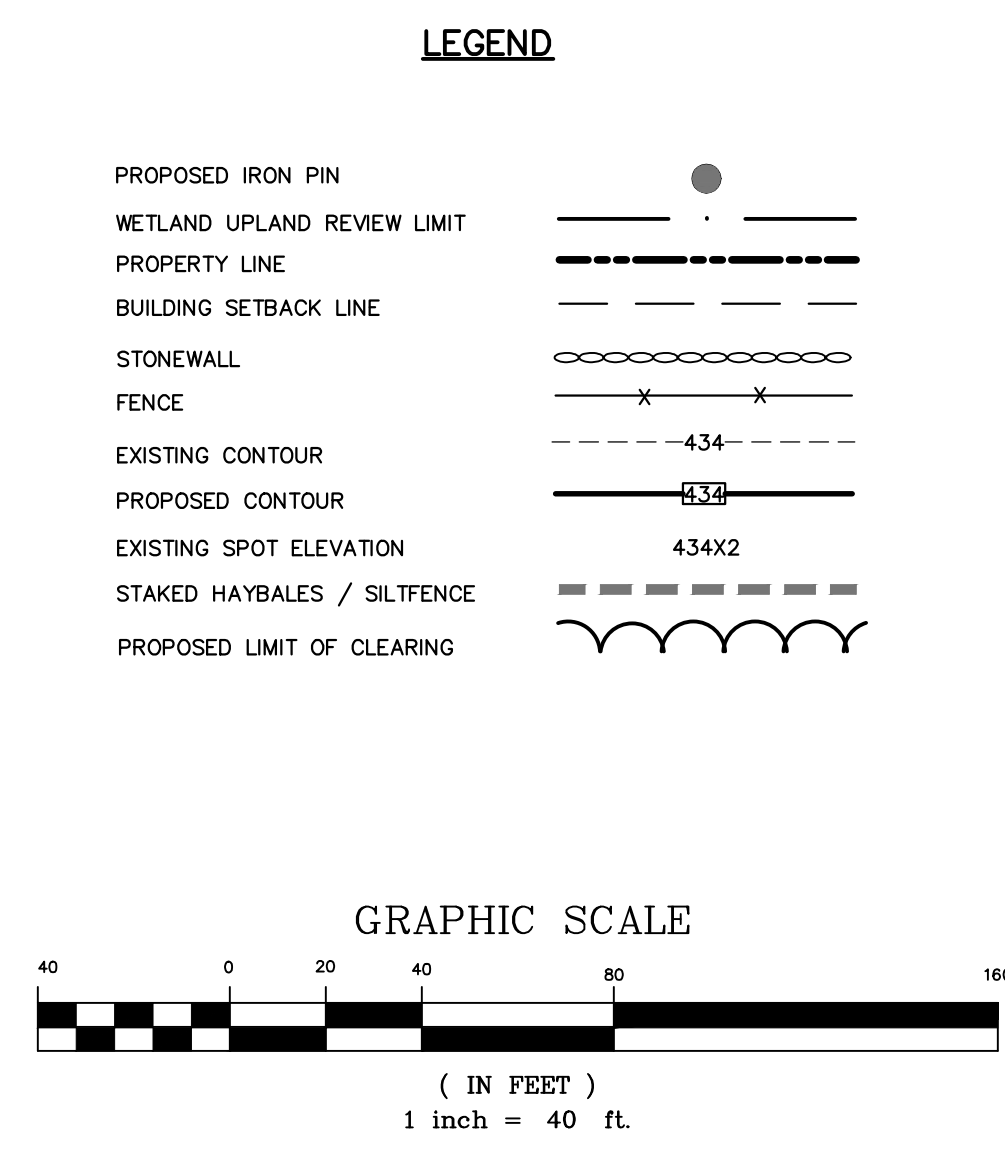
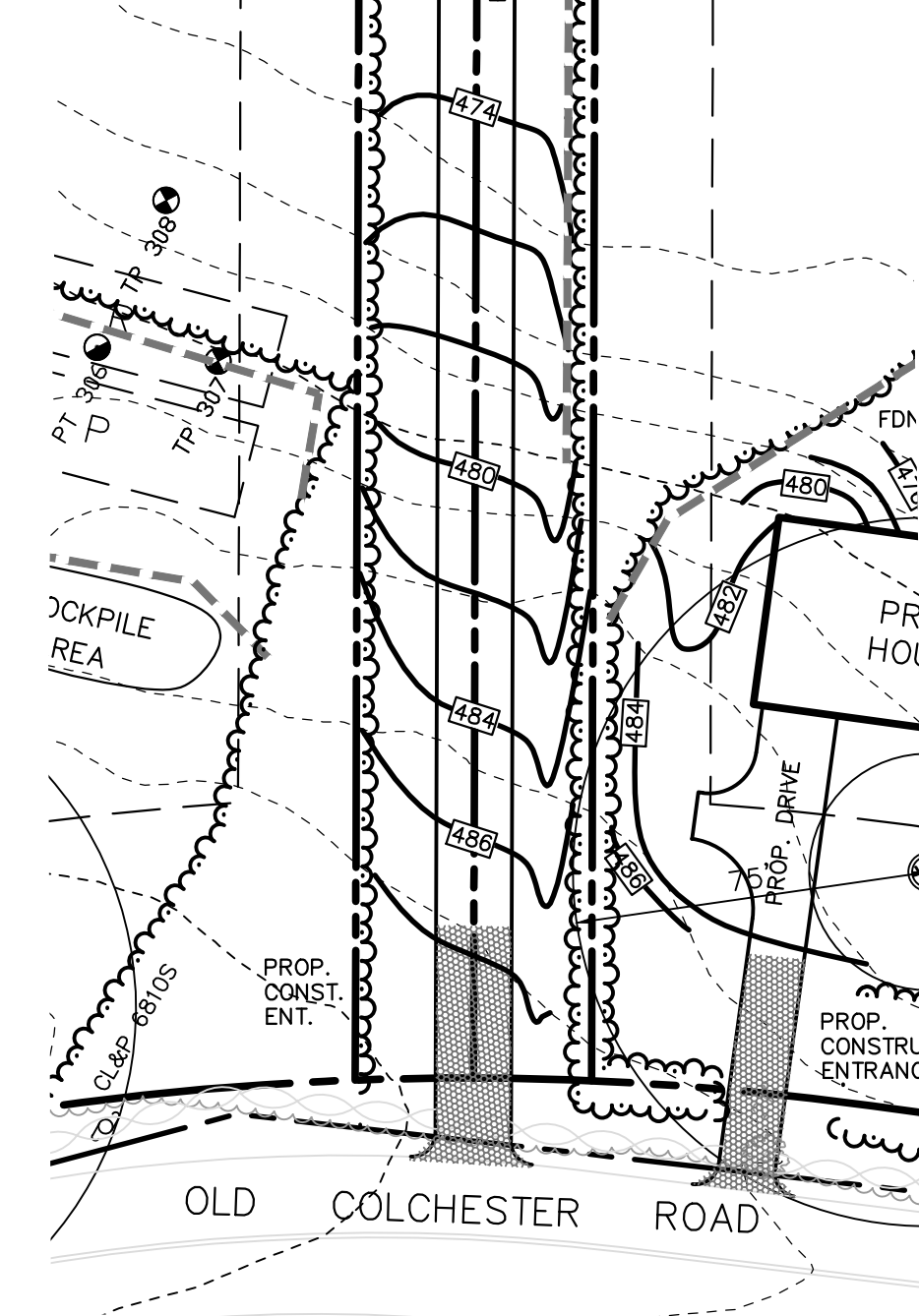
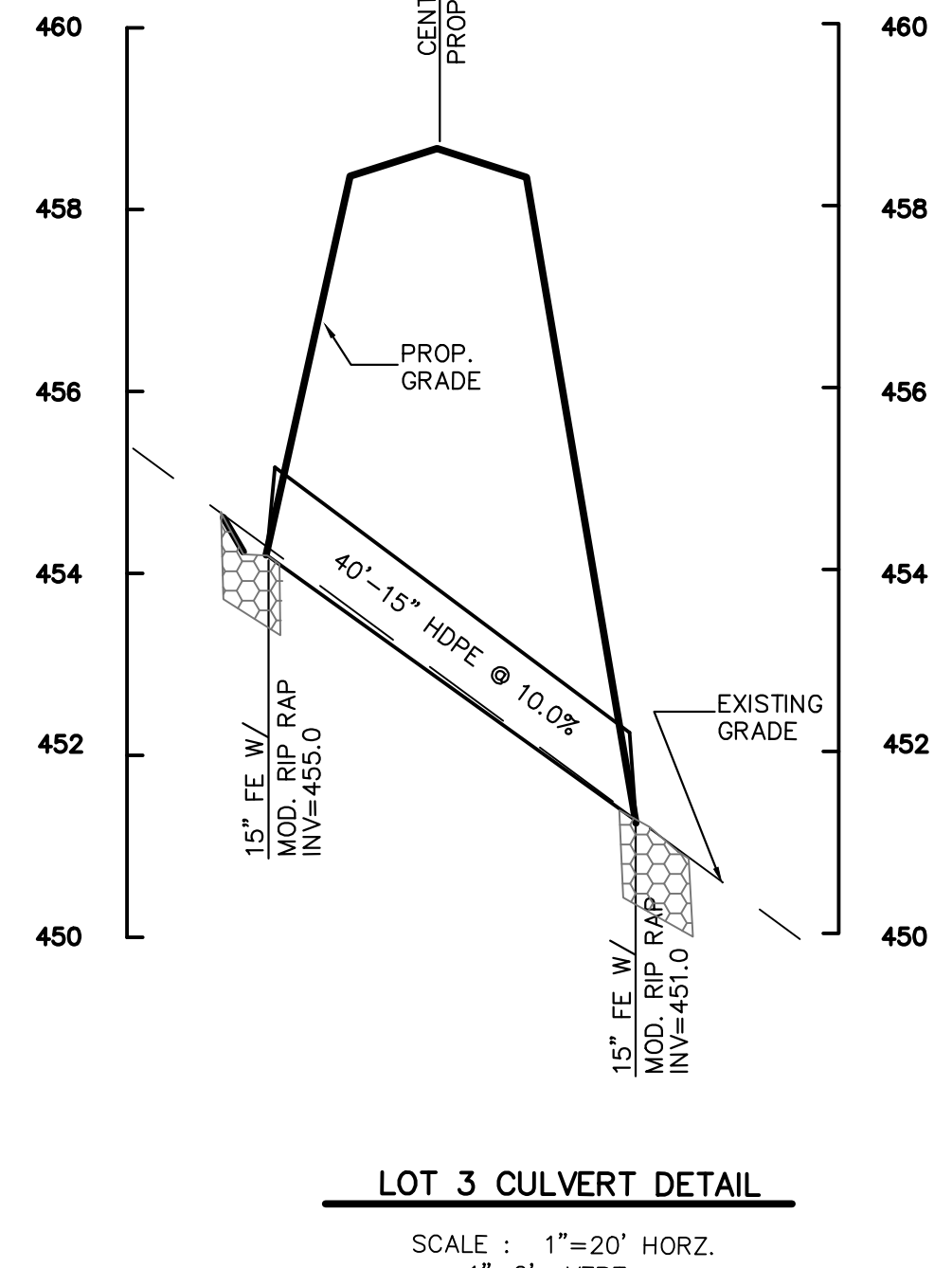
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PASSIVE SOLAR ENERGY TECHNIQUES AS PRESCRIBED BY LAW HAVE BEEN CONSIDERED IN DEVELOPMENT OF THIS PLAN.

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REV. 9/25/23 TOWN STAFF COMMENTS

SITE DEVELOPMENT PLAN & EROSION & SEDIMENTATION CONTROL PLAN
PINE GROVE SUBDIVISION
PREPARED FOR
D'AMATO BROTHERS BUILDERS
OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

DATE: 7-28-23
SCALE: 1"=40'
SHEET 6 OF 8
MAP NO. 22-013-1T

SOILS DATA



SITE INVESTIGATION FOR SUBSURFACE SEWAGE DISPOSAL

Owner: Watch Hill Builders Location: Old Colchester Road Montville 6-lot subdivision

Deep Test Hole Data/Soil Descriptions

DATE: November 2, 2022

Test Hole # 301	Test Hole # 302	Test Hole # 303	Test Hole # 304
Ledge @ 11'	0 - 10" Topsoil 10 - 23" Loamy subsoil 23 - 76" Firm sand, some silt	0 - 9" Topsoil 9 - 28" Loamy subsoil 28 - 69" Firm sand, trace of silt	0 - 7" Topsoil 7 - 20" Loamy subsoil 20 - 90" Firm sand, trace of silt
Mottling: None	Mottling: 39"	Mottling: None	Mottling: None
GW: None	GW: 73"	GW: None	GW: None
Ledge: 18"	Ledge: None	Ledge: None	Ledge: None
Roots: None	Roots: 41"	Roots: 32"	Roots: 33"
Restrictive: 18"	Restrictive: 39"	Restrictive: 69"	Restrictive: 90"

Test Hole # 305	Test Hole # 306	Test Hole # 307	Test Hole # 308
Ledge @ 19'	0 - 18" Topsoil 19 - 32" Loamy subsoil 32 - 80" Firm sand,	0 - 13" Topsoil 13 - 30" Loamy subsoil 35 - 47" Firm sand, some silt 47 - 60" Medium & coarse sand	0 - 10" Topsoil 10 - 30" Loamy subsoil 30 - 74" Medium & coarse sand
Mottling: None	Mottling: 35"	Mottling: None	Mottling: None
GW: None	GW: None	GW: None	GW: None
Ledge: 19"	Ledge: None	Ledge: None	Ledge: None
Roots: None	Roots: 35"	Roots: 38"	Roots: 48"
Restrictive: 19"	Restrictive: 35"	Restrictive: 60"	Restrictive: 74"

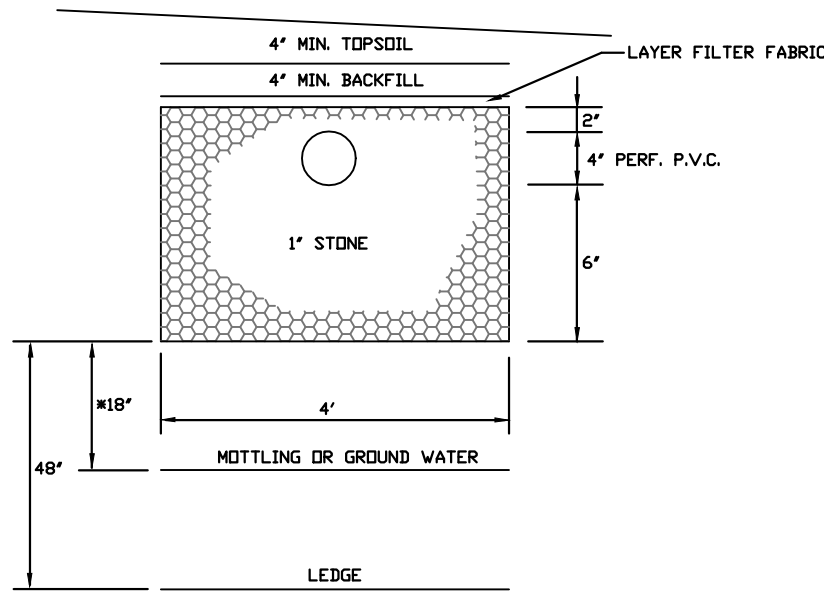
Location: Old Colchester Road Montville 6-lot subdivision

DATE: November 2, 2022

Test Hole # 309	Test Hole # 310	Test Hole # 311	Test Hole # 312
0 - 9" Topsoil 9 - 25" Loamy subsoil 25 - 77" Medium sand	0 - 9" Topsoil 9 - 32" Loamy subsoil 32 - 81" Medium sand	0 - 12" Topsoil 12 - 25" Loamy subsoil 25 - 35" Firm sand, silt 35 - 75" Medium sand, some gravel	0 - 6" Topsoil 6 - 21" Loamy subsoil 21 - 82" Medium sand
Mottling: None	Mottling: None	Mottling: 35"	Mottling: None
GW: None	GW: None	GW: None	GW: None
Ledge: None	Ledge: None	Ledge: None	Ledge: None
Roots: 31"	Roots: 41"	Roots: 39"	Roots: 42"
Restrictive: 77"	Restrictive: 61"	Restrictive: 35"	Restrictive: 82"

Test Hole # 313	Test Hole # 314	Test Hole # 315	Test Hole # 316
0 - 6" Topsoil 6 - 25" Loamy subsoil 25 - 80" Medium sand	0 - 6" Topsoil 6 - 26" Loamy subsoil 26 - 82" Medium sand	0 - 9" Topsoil 9 - 26" Loamy subsoil 26 - 88" Firm medium sand, some silt	0 - 7" Topsoil 7 - 21" Loamy subsoil 21 - 67" Firm medium sand
Mottling: None	Mottling: None	Mottling: 35"	Mottling: None
GW: None	GW: None	GW: None	GW: None
Ledge: None	Ledge: None	Ledge: None	Ledge: None
Roots: 45"	Roots: 26"	Roots: 29"	Roots: 42"
Restrictive: 80"	Restrictive: 82"	Restrictive: 88"	Restrictive: 67"

Test Hole # 317	Test Hole # 318	Test Hole # 319	Test Hole # 320
0 - 9" Topsoil 9 - 32" Loamy subsoil 32 - 50" Compacted sand, & silt 50 - 96" Medium sand, clones	0 - 9" Topsoil 9 - 26" Loamy subsoil 26 - 85" Firm medium sand, trace silt	0 - 5" Topsoil 5 - 26" Loamy subsoil 26 - 79" Firm medium sand, trace silt	0 - 10" Topsoil 10 - 32" Loamy subsoil 32 - 83" Medium sand
Mottling: 32"	Mottling: None	Mottling: 41"	Mottling: None
GW: None	GW: None	GW: None	GW: None
Ledge: None	Ledge: None	Ledge: None	Ledge: None
Roots: 39"	Roots: 34"	Roots: 47"	Roots: 42"
Restrictive: 32"	Restrictive: 65"	Restrictive: 41"	Restrictive: 63"



4' WIDE TRENCH DETAIL

NOT TO SCALE

*SEPARATION TO GROUNDWATER IS INCREASED TO 24"
WHEN PERCOLATION RATE IS FASTER THAN 5 MIN./IN.

NOTES: (THE FOLLOWING NOTES MAY APPLY)

THE LEACHING AREA IS TO BE STRIPPED OF ALL UNSUITABLE
SOILS AND FILLED WITH CLEAN SAND, LAID IN SIX INCH LIFTS.
FILL TO BE MECHANICALLY COMPACTED TO 90% MAXIMUM DENSITY.
A MINIMUM SEPARATION DISTANCE OF 18" BETWEEN THE MOTTILING/GROUND
WATER LAYER AND BOTTOM OF THE LEACHING ARE MUST BE MAINTAINED.

INSTALLATION OF ALL SEWAGE DISPOSAL SYSTEMS SHALL NOT OCCUR
DURING WET WEATHER TO AVOID SOIL SMEARING.

FILLING OF STRIPPED AREAS SHALL NOT BE PERMITTED WHILE
SMEARING OF THE SOILS OCCURS. ALL SMEARED SURFACES SHALL
BE RAKED OR PLOWED PRIOR TO ANY FILLING AND AS DIRECTED
BY THE TOWN HEALTH DEPARTMENT.

"SELECT FILL MATERIAL" AND "SELECT BACK FILL MATERIAL", PLACED WITHIN AND ADJACENT TO PROPOSED
LEACHING AREAS SHALL BE COMPRISED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN
SUBSTANCES. THE FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A
PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA:

1. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE (3) INCHES.
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4
SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

<u>SIEVE SIZE</u>	<u>PERCENT PASSING</u>	
	<u>WET SIEVE</u>	<u>DRY SIEVE</u>
#4	100	100
#10	70% - 100%	70% - 100%
#40	10% - 50%*	10% - 75%
#100	0% - 20%	0% - 5%
#200	0% - 5%	0% - 2.5%

*NOTE: PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING
THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.

THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING "SELECT MATERIAL" IS THAT OF THE
LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY
OCCURRING SOILS FROM OVERCOMPACTION AND SALTATION UNCE EXPOSED.

- B. ENDS OF TRENCHES TO BE CAPPED
- C. THERE ARE NO WELLS LOCATED WITHIN 75 FEET OF EXISTING OR PROPOSED SEPTIC SYSTEMS.

SEPTIC SYSTEM NOTES:

THE SEPTIC SYSTEM FOR LOT 2 MUST BE DESIGNED BY A PROFESSIONAL ENGINEER

ALL BUILDING LOTS IN THIS DEVELOPMENT REQUIRE A DETAILED SITE PLAN BY A PROFESSIONAL
ENGINEER OR LAND SURVEYOR

ALL LOTS WILL REQUIRE ADDITIONAL SOIL TESTING PRIOR TO THE REVIEW AND APPROVAL OF
INDIVIDUAL SITE PLANS

SANITARY DESIGN

LOT 1

SEPTIC DESIGN

NO. BEDROOMS : 4
PERC. RATE : 5.1-10 MIN./IN.
SYSTEM AREA REQUIRED : 577.5 S.F.
USE 4' WIDE TRENCHES - 192.5 L.F. REQUIRED
USE (3) TRENCHES @ 65 L.F. EACH

NOTE: BOTTOM OF TRENCHES ARE TO EXTEND NO DEEPER
THAN 21" INTO EXISTING GRADE UNLESS FURTHER SOIL
TESTING IS PERFORMED.

MLSS

RESTRICTIVE LAYER : 39"
SLOPE : 3.1-4.0%
BEDROOMS: 4
PERCOLATION RATE: 5.0-10 MIN./IN.

MLSS = HF x FF x PF
MLSS = 30 x 1.75 x 1.0

MLSS = 53 L.F. (REQUIRED)

LOT 3

SEPTIC DESIGN

NO. BEDROOMS : 4
PERC. RATE : 5.1-10 MIN./IN.
SYSTEM AREA REQUIRED : 577.5 S.F.
USE 4' WIDE TRENCHES - 192.5 L.F. REQUIRED
USE (3) TRENCHES @ 65 L.F. EACH

NOTE: BOTTOM OF TRENCHES ARE TO EXTEND NO DEEPER
THAN 14" INTO EXISTING GRADE UNLESS FURTHER SOIL
TESTING IS PERFORMED.

MLSS

RESTRICTIVE LAYER : 32"
SLOPE : 10.1-15%
BEDROOMS: 4
PERCOLATION RATE: 5.1-10 MIN./IN.

MLSS = HF x FF x PF
MLSS = 20 x 1.75 x 1.0

MLSS = 35 L.F. (REQUIRED)

LOT 5

SEPTIC DESIGN

NO. BEDROOMS : 4
PERC. RATE : 1.1-5 MIN./IN.
SYSTEM AREA REQUIRED : 577.5 S.F.
USE 4' WIDE TRENCHES - 192.5 L.F. REQUIRED
USE (3) TRENCHES @ 65 L.F. EACH

NOTE: BOTTOM OF TRENCHES ARE TO EXTEND NO DEEPER
THAN 11" INTO EXISTING GRADE UNLESS FURTHER SOIL
TESTING IS PERFORMED.

MLSS

RESTRICTIVE LAYER : 35"
SLOPE : 10.1-15%
BEDROOMS: 4
PERCOLATION RATE: 1.0-5 MIN./IN.

MLSS = HF x FF x PF
MLSS = 20 x 1.75 x 1.0

MLSS = 35 L.F. (REQUIRED)

LOT 2

SEPTIC DESIGN

NO. BEDROOMS : 4
PERC. RATE : 5.1-10 MIN./IN.
SYSTEM AREA REQUIRED : 577.5 S.F.
USE 4' WIDE TRENCHES - 192.5 L.F. REQUIRED
USE (3) TRENCHES @ 65 L.F. EACH

NOTE: BOTTOM OF TRENCHES ARE TO EXTEND NO DEEPER
THAN 17" INTO EXISTING GRADE UNLESS FURTHER SOIL
TESTING IS PERFORMED.

MLSS

RESTRICTIVE LAYER : 35"
SLOPE : 8.1-10.0%
BEDROOMS: 4
PERCOLATION RATE: 5.0-10 MIN./IN.

MLSS = HF x FF x PF
MLSS = 24 x 1.75 x 1.0

MLSS = 42 L.F. (REQUIRED)

LOT 4

SEPTIC DESIGN

NO. BEDROOMS : 4
PERC. RATE : 5.1-10 MIN./IN.
SYSTEM AREA REQUIRED : 577.5 S.F.
USE 4' WIDE TRENCHES - 192.5 L.F. REQUIRED
USE (3) TRENCHES @ 65 L.F. EACH

NOTE: BOTTOM OF TRENCHES ARE TO EXTEND NO DEEPER
THAN 23" INTO EXISTING GRADE UNLESS FURTHER SOIL
TESTING IS PERFORMED.

MLSS

RESTRICTIVE LAYER : 41"
SLOPE : 10.1-15%
BEDROOMS: 4
PERCOLATION RATE: 5.1-10 MIN./IN.

MLSS = HF x FF x PF
MLSS = 18 x 1.75 x 1.0

MLSS = 32 L.F. (REQUIRED)

LOT 6

SEPTIC DESIGN

NO. BEDROOMS : 4
PERC. RATE : 1.1-5 MIN./IN.
SYSTEM AREA REQUIRED : 577.5 S.F.
USE 4' WIDE TRENCHES - 192.5 L.F. REQUIRED
USE (3) TRENCHES @ 65 L.F. EACH

NOTE: BOTTOM OF TRENCHES ARE TO EXTEND NO DEEPER
THAN 32" INTO EXISTING GRADE UNLESS FURTHER SOIL
TESTING IS PERFORMED.

MLSS

RESTRICTIVE LAYER GREATER THAN 60" - MLSS DOES NOT APPLY

PERCOLATION TESTING BY WENTWORTH CIVIL ENGINEERS, LLC - 11/02/22 - 11/09/22

WENTWORTH CIVIL ENGINEERS, LLC 177 WEST TOWN ST. LEBANON, CT 06249			
JOB NO. 2022-013 TEST HOLE NO. PT. 303			
DATE: 11-02-22 BY: WJW			
DEPTH OF HOLE: 19-1/2"			
PERCOLATION TEST - COND.: _____			
TIME	READING	PRESOAK @	12:00
2:13	16"		
2:23	13-1/2"		
2:33	16-1/4"		
2:43	18"		5.7 min./in.
2:53	DRY		

WENTWORTH CIVIL ENGINEERS, LLC 177 WEST TOWN ST. LEBANON, CT 06249			
JOB NO. 2022-013 TEST HOLE NO. PT. 310			
DATE: 11-08-22 BY: WJW			
DEPTH OF HOLE: 22"			
PERCOLATION TEST - COND.: _____			
TIME	READING	PRESOAK @	2:00
3:42	10"		
3:52	19"		
3:59	DRY		
4:00	10"		REFILL
4:08	17"		1.4 min./in.
4:14	<2"		

WENTWORTH CIVIL ENGINEERS, LLC 177 WEST TOWN ST. LEBANON, CT 06249			
JOB NO. 2022-013 TEST HOLE NO. PT. 316			
DATE: 11-02-22 BY: WJW			
DEPTH OF HOLE: 21"			
PERCOLATION TEST - COND.: _____			
TIME	READING	PRESOAK @	11:00
1:08	8"		
1:18	15"		
1:28	18-1/2"		
1:29	8"		REFILL
1:39	14"		
1:49	17-1/2"		
1:59	19-1/2"		5.0 min./in.
2:09	DRY		

WENTWORTH CIVIL ENGINEERS, LLC 177 WEST TOWN ST. LEBANON, CT 06249			
JOB NO. 2022-013 TEST HOLE NO. PT. 306			
DATE: 11-02-22 BY: WJW			
DEPTH OF HOLE: 22"			
PERCOLATION TEST - COND.: _____			
TIME	READING	PRESOAK @	12:45
2:10	10"		
2:20	15-1/2"		
2:30	18-1/2"		
2:40	20-1/2"		5 min./in.
2:50	DRY		

WENTWORTH CIVIL ENGINEERS, LLC 177 WEST TOWN ST. LEBANON, CT 06249			
JOB NO. 2022-013 TEST HOLE NO. PT. 313			
DATE: 11-08-22 BY: WJW			
DEPTH OF HOLE: 21"			
PERCOLATION TEST - COND.: _____			
TIME	READING	PRESOAK @	2:10
3:45	9"		
3:54	17"		
4:01	<2"		
4:02	9"		REFILL
4:10	15"		
4:16	18-1/4"		3.1 min./in.
4:22	<2"		

WENTWORTH CIVIL ENGINEERS, LLC 177 WEST TOWN ST. LEBANON, CT 06249			
JOB NO. 2022-013 TEST HOLE NO. PT. 318			
DATE: 11-02-22 BY: WJW			
DEPTH OF HOLE: 20"			
PERCOLATION TEST - COND.: _____			
TIME	READING	PRESOAK @	11:10
1:12	7"		
1:22	12"		
1:32	16"		
1:42	18"		5 min./in.
1:52	<2"		

REV. 9/25/23 TOWN STAFF COMMENTS

DATE: 11-16-22

SCALE: NONE

SHEET 7 OF 8

MAP NO. 22-013-1N

WENTWORTH CIVIL
ENGINEERS, LLC
177 WEST TOWN ST.
LEBANON, CT 06249
TEL: (860) 642-7255
FAX: (860) 642-4794
web: wentworthcivil.com

SOILS, NOTES & DETAILS
PINE GROVE SUBDIVISION
PREPARED FOR
D'AMATO BROTHERS BUILDERS
OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND
BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.
WESLEY J. WENTWORTH
P.E. # 20360

GENERAL NOTES

ALL CONSTRUCTION METHODS TO CONFORM TO CONN. D.O.T. FORM 814 AND/OR THE TOWN STANDARD SPECIFICATIONS.

THE LOCATION OF ALL EXISTING UTILITIES SHOWN IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND FOR COORDINATING CONNECTION OF PROPOSED AND EXISTING UTILITIES.

TOWN MAY REQUIRE CHANGES TO THE PLAN TO ADDRESS PROBLEMS THAT MAY RESULT IN THE FIELD.

ALL UTILITIES TO BE INSTALLED/DIRECTED BY APPROPRIATE AUTHORITIES.

FOUNDATION DRAINS SHALL BE DEPICTED ON ALL PLOT PLANS.

HOUSE SITE DEVELOPMENT

ALL DRIVEWAY SHOULDERS SHOULD BE STABILIZED IMMEDIATELY UPON COMPLETION OF ROUGH GRADING. SHOULDER SEED BED PREPARATION SHOULD FOLLOW THE GENERAL NOTES PROVIDED. HAY BALES OR FILTER FABRIC SHOULD BE USED TO ENTRAP ANY SEDIMENT GENERATED FROM EXPOSED SOIL SURFACES. DRIVEWAY ROADSIDES SHALL BE STABILIZED WITH COMPACTED ROAD AGGREGATE AS SOON AS POSSIBLE.

TOPSOIL AND EXCAVATED SUBSOIL FROM THE FOUNDATION AREA SHOULD BE STOCKPILED WITHIN THE AREA OF DISTURBANCE IF NOT USED FOR ONSITE REGRADING. EACH STOCKPILE MUST BE ADEQUATELY FINISHED WITH SEDIMENT CONTROL MATERIALS (I.E. HAY BALES AND/OR FABRIC FENCE.)

ANY ADDITIONAL STOCKPILING OF LUMBER OR BUILDING MATERIALS SHOULD ALSO BE CONTINUED TO THE AREA OF DISTURBANCE. SWILARY MOVEMENT SHOULD BE DIRECTED TO ESTABLISHED PARKING AREAS. PROPOSED LEACHING SYSTEM AREAS MUST NOT BE IMPACTED BY VEHICULAR TRAFFIC OR UTILIZED AS PARKING AREAS. DEVELOPMENT OF SEWAGE DISPOSAL LEACHING AREAS SHOULD BE STAGED TO FOLLOW HOUSE SITE PREPARATION. ONLY THE PRIMARY LEACHING SYSTEM NEED BE CLEARED OF EXISTING VEGETATION IN COORDINATION WITH APPROVED SEPTIC SYSTEM DESIGN. RESERVE AREAS SHOULD REMAIN UNALTERED IF SITE CONDITIONS PERMIT.

SOIL BOUNDARIES AND SOIL TYPES TAKEN FROM "SOIL SURVEY NEW LONDON COUNTY, CONNECTICUT", USDA SOIL. WETLAND BOUNDARIES DERIVED IN FIELD.

STUMPAGE AND DEBRIS SHALL NOT BE BURIED ON SITE.

PLAT PLANS FOR EACH LOT SHALL INDICATE PROPOSED SEDIMENTATION AND EROSION CONTROLS. ALSO THE PROPOSED HOUSE LOCATION, LOT GRADING LIMIT OF TREE CLEARING, DRIVEWAY DESIGN, SEPTIC SYSTEM DESIGN AND SITE DRAINAGE PLAN SHALL BE SHOWN. THESE PLANS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE TOWN.

UPON APPROVAL OF INDIVIDUAL SITE PLAN DEVELOPMENT, THE LIMITS OF DEVELOPMENT SHOULD BE ESTABLISHED IN THE FIELD FOR EACH PROPOSED RESIDENTIAL STRUCTURE. DISTURBANCE LIMITS OF 25-30 FEET BEYOND THE PHYSICAL DIMENSIONS OF THE STRUCTURE ARE RECOMMENDED.

LEACHING FIELDS ARE TO BE LOCATED IN AREAS DESIGNATED ON SUBDIVISION PLAN.

SITE NARRATIVE

IN GENERAL THIS SITE CONSISTS OF 25.48 ACRES OF LAND TO BE DEVELOPED INTO 6 RESIDENTIAL BUILDING LOTS. HOUSES WILL BE SERVED BY ONSITE PRIVATE WELLS AND ONSITE SUBSURFACE SEPTIC SYSTEMS.

THE NATURE OF THE PROPOSED CONSTRUCTION ACTIVITIES INCLUDE MINIMAL CLEARING AND GRUBBING, TOPSOIL STRIPPING, FOUNDATION, UTILITY AND INSTALLATION OF DRIVEWAY, SEPTIC SYSTEM & WELL. ALL ACTIVITIES ARE DESIGNED WITH A STRONG FOCUS ON EROSION & SEDIMENTATION CONTROLS.

SOME GENERAL KEYS TO SUCCESSFUL EROSION & SEDIMENTATION CONTROLS ARE AS FOLLOWS:

1. KEEP CLEARING AND GRUBBING OF VEGETATION TO AN ABSOLUTE MINIMUM.
2. MINIMIZE TIME OF EXPOSURE OF UNPROTECTED SOIL SURFACES.
3. STABILIZE ALL GRADED AREAS WITH MULCH AND VEGETATION IMMEDIATELY AFTER GRADING.
4. DIVERT RUNOFF AWAY FROM STEEPLY SLOPED & DISTURBED AREAS.
5. MONITOR AND MAINTAIN CONTROLS REGULARLY (WEEKLY).

GENERAL

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

LAND GRADING

- GENERAL:
1. THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING BASIC CRITERIA:
 - A) THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
 - B) THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
 - C) THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).
 - D) NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE, OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSE OR WATERBODY.
 - E) INSTALLATION OF SEDIMENT AND EROSION CONTROLS SUCH AS HAY BALES AND SILT FENCES SHALL BE ESTABLISHED PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES. ALL SEDIMENT AND EROSION CONTROL STRUCTURES MUST BE MONITORED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SOIL SURFACE IS STABILIZED.
 - F) IF NECESSARY, LATERAL WATER DIVERSIONS SHALL BE INSTALLED ACROSS THE GRADED ROADWAY TO PREVENT DOWNSLOPE OUTWASH AND EROSION.
 - G) HAY BALES SHALL BE STAKED AND SILT FENCES SHALL BE PROPERLY SECURED. SEDIMENT WILL BE REMOVED FROM ALL CATCHMENTS AS NECESSARY.
 - H) PRIOR TO ANY REGRADING, STONE APRON SHALL BE PLACED BY THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.
 - I) PROVISIONS SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS, TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
 - J) EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTling OR CRACKING.

TOPSOILING

- GENERAL:
1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH AND MAINTENANCE OF VEGETATION.
 2. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS, AND CONSTRUCTION DEBRIS.
 3. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.
- MATERIAL:
1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
 2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
 3. AN ORGANIC MATTER CONTENT OF OVER TWO (2%) PERCENT IS HIGHLY DESIRABLE. AVOID LIGHT COLORED LOWER SUBSOIL MATERIAL.
- APPLICATION:
1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
 2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST FOUR (4") INCHES.

EROSION CHECKS

- GENERAL:
1. TEMPORARY PEROUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND, OR SEDIMENT FILTER FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.
- CONSTRUCTION:
1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
 4. FILTER FABRIC SHALL BE SECURELY FASTENED AT THE TOP OF A THREE (3) FOOT HIGH FENCE AND BURIED A MINIMUM OF FOUR (4") INCHES INTO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO (2) FEET.
- INSTALLATION AND MAINTENANCE:
1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
 2. BALED HAY EROSION BARRIERS AND SEDIMENT FILTER FENCES SHALL BE INSTALLED AT THE LOCATIONS INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
 3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
 4. INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.

WINDBLOWN SEDIMENT

- GENERAL:
1. ALL WINDBLOWN SEDIMENTS SHALL BE CONTROLLED AT ALL TIMES. THE SITE CONTRACTOR IS RESPONSIBLE FOR APPLYING DUST CONTROL AS OFTEN AS NEEDED TO PREVENT ANY WINDBLOWN SEDIMENTS FROM LEAVING THE SITE. PREDETERMINED TRAFFIC ROUTES FOR ALL TRAFFIC SHALL BE ESTABLISHED BY THE SITE CONTRACTOR TO STABILIZED ROUTES. TEMPORARY AND PERMANENT MULCHING AND TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE USED TO MINIMIZE THE NEED FOR DUST CONTROL. MECHANICAL SWEEPERS SHALL BE USED ON ALL PAVED SURFACES TO PREVENT DUST BUILD UP DURING THE COURSE OF SITE WORK.
- METHODS:
1. SPRAY ON ADHESIVES ARE ACCEPTABLE AND SHOULD BE APPLIED ACCORDING TO MANUFACTURER'S GUIDELINES.
 2. WATER IS ACCEPTABLE BUT MUST BE APPLIED OFTEN IN HOT, DRY WEATHER.
 3. CALCIUM CHLORIDE IS ACCEPTABLE BUT MUST BE APPLIED AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.
 4. CRUSHED STONE OR COARSE GRAVEL CAN ALSO BE USED.

TEMPORARY VEGETATIVE COVER

- GENERAL:
1. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT. AREAS WHERE FINAL GRADING HAS BEEN COMPLETED AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS.
- SITE PREPARATION:
1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
 2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
 3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF ONE (1) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQUARE FEET).
 4. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10-10-10 PER ACRE (7 LBS. PER 1,000 SQUARE FEET.)
 5. UNLESS HYDROSEEDED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
 6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM, LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.
- ESTABLISHMENT:
1. USE ANNUAL RYEGRASS AT A RATE OF 40 LBS./AC. OR SUITABLE EQUIVALENT AS SPECIFIED IN THE "GUIDELINES".
 2. SEEDING TO BE DONE FROM APRIL 1ST TO JUNE 15 OR AUGUST 1ST. TO OCTOBER 1ST. WINTER STABILIZATION PLANTINGS TO BE NO LATER THAN OCTOBER 1ST. THIS INCLUDES STOCKPILE AREAS.
 3. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
 4. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT. COVER SUDANGRASS AND SMALL GRAINS WITH 1/2 INCH SOIL.
 5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO THE GUIDELINES IN THE "GUIDELINES".

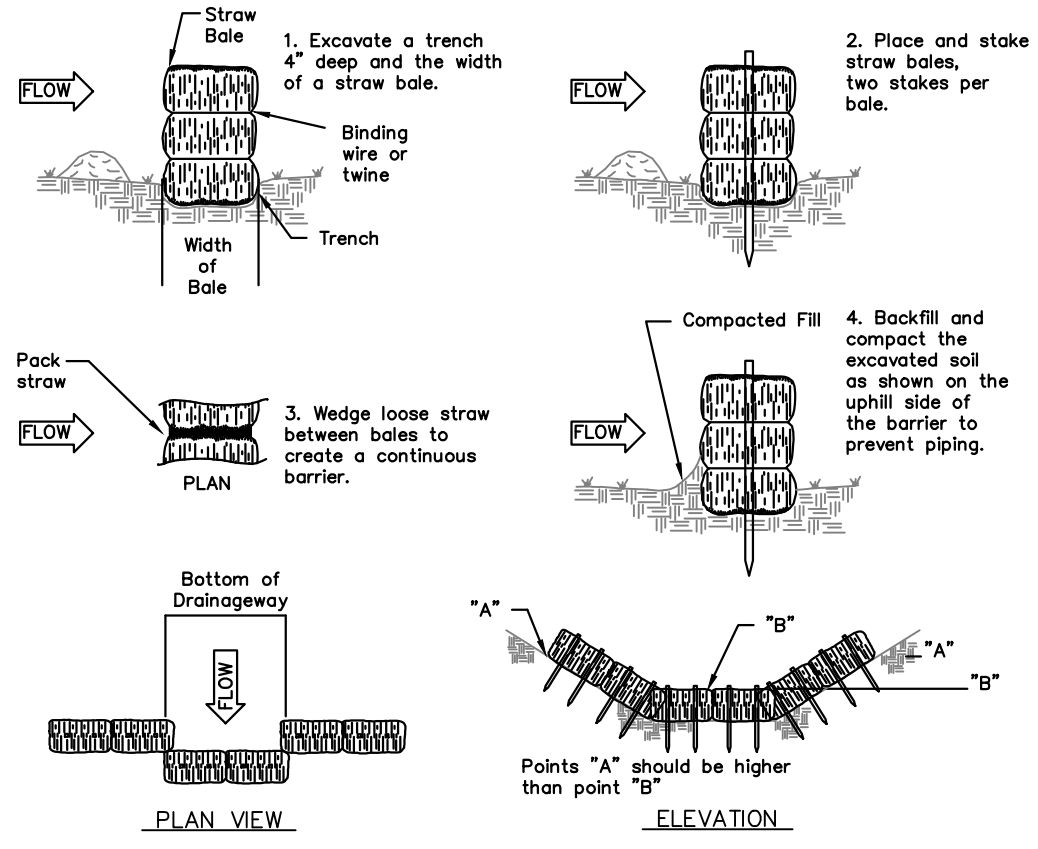
PERMANENT VEGETATIVE COVER

- GENERAL:
1. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED.
- SITE PREPARATION:
1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
 2. REMOVE LOOSE ROCK, STONE AND CONSTRUCTION DEBRIS FROM AREA.
 3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
 4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
 5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR:
- SPRING SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS OF 10-10-10 FERTILIZER PER ACRE (7 LBS PER 1,000 SQUARE FEET), THEN SIX (6) TO EIGHT (8) WEEKS LATER, APPLY ON THE SURFACE AN ADDITIONAL 300 LBS OF 10-10-10 FERTILIZER PER ACRE.
- FALL SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS OF 10-10-10 FERTILIZER PER ACRE (14 LBS PER 1,000 SQUARE FEET).
- ESTABLISHMENT:
1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
 2. SELECT ADAPTED SEED MIXTURE AS FOLLOWS. NOTE RATES AND THE SEEDING DATES.

	LBS./ACRE	LBS./1000 S.F.
KENTUCKY BLUEGRASS	20	0.50
CREeping RED FESCUE	20	0.50
PERENNIAL RYEGRASS	05	0.10
TOTAL	45	1.10

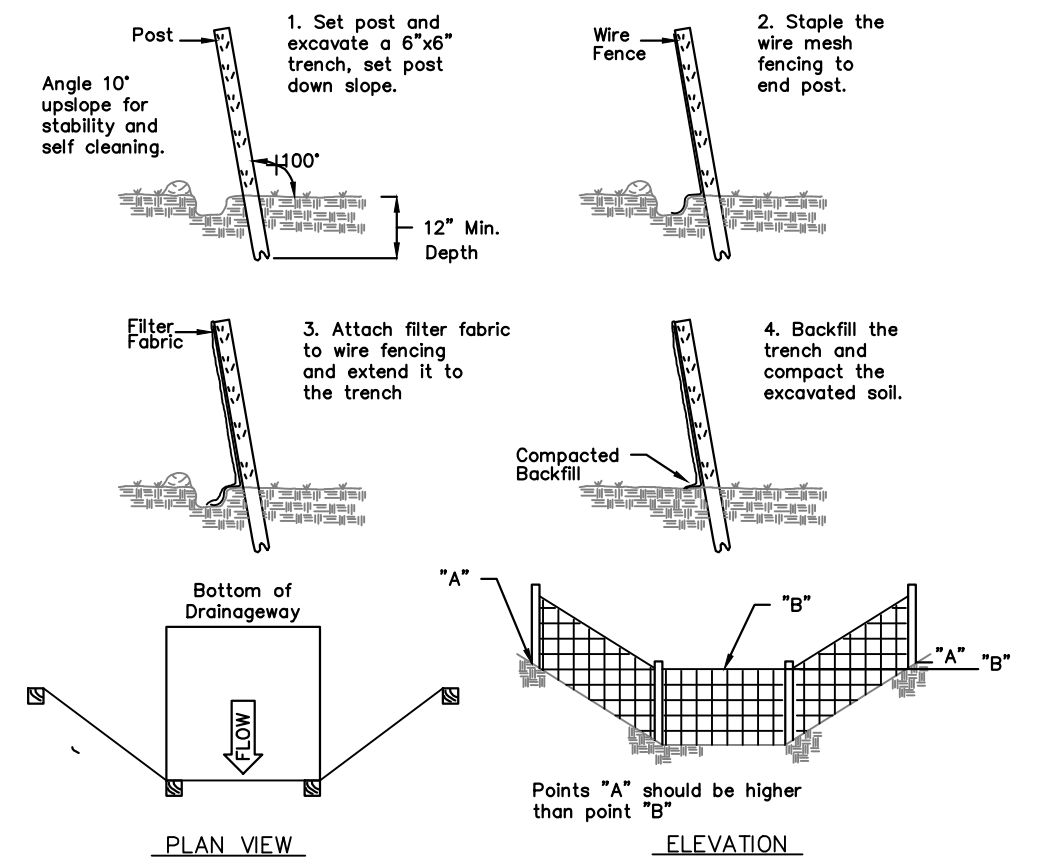
	LBS./ACRE	LBS./1000 S.F.
CREeping RED FESCUE	50	1.00
PERENNIAL RYEGRASS	05	0.10
TOTAL	55	1.10

	LBS./ACRE	LBS./1000 S.F.
CREeping RED FESCUE	40	1.00
TALL FESCUE	20	0.50
TOTAL	60	1.50



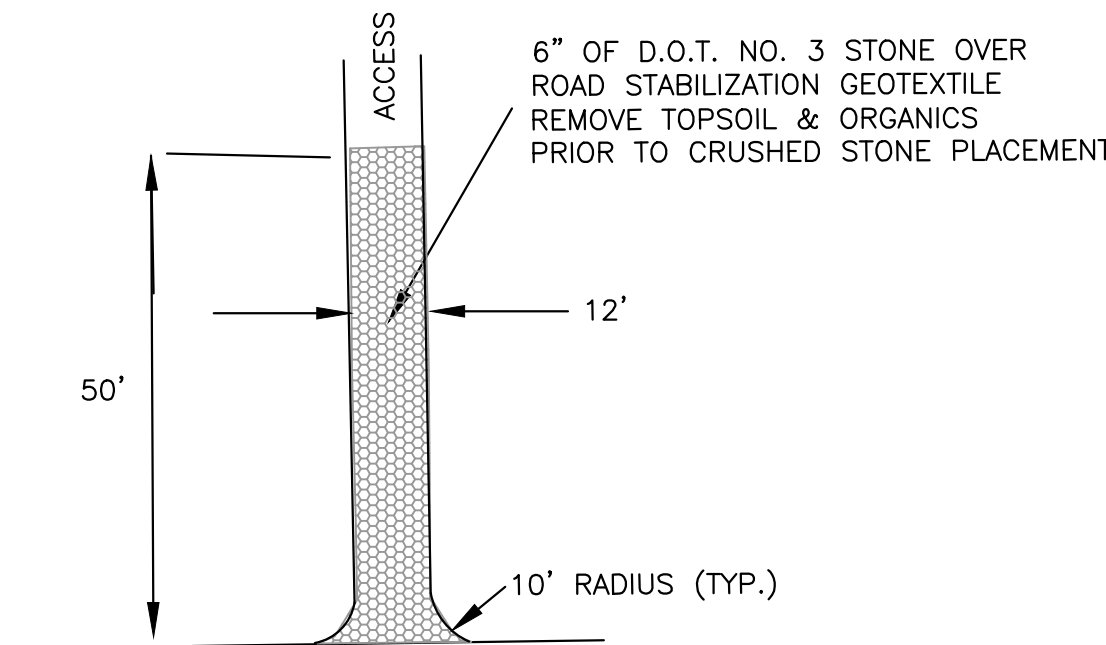
Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

PLACEMENT AND CONSTRUCTION OF A STRAW BALE BARRIER



Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

PLACEMENT AND CONSTRUCTION OF A SYNTHETIC FILTER BARRIER



CONSTRUCTION ENTRANCE DETAIL

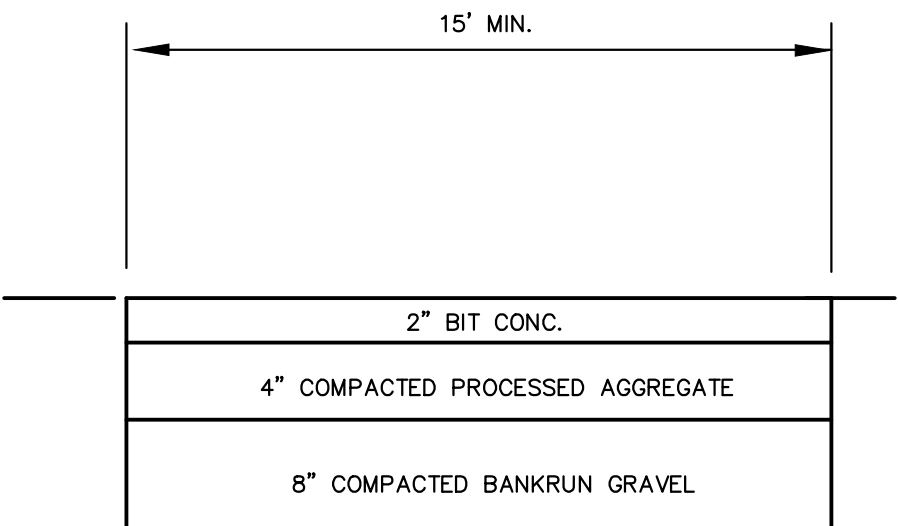
NO SCALE

CONSTRUCTION SCHEDULE									
INSTALLATION OF EROSION & SEDIMENTATION CONTROLS	0	30	60	90	120	150	180	210	230
INSPECTION & MAINTENANCE OF EROSION & SEDIMENTATION CONTROLS	0	30	60	90	120	150	180	210	230
INSTALL SITE CONSTRUCTION ENTRANCE FOR DRIVEWAY	0	30	60	90	120	150	180	210	230
CLEARING & GRUBBING	0	30	60	90	120	150	180	210	230
STRIP & STOCKPILE TOPSOIL	0	30	60	90	120	150	180	210	230
INSTALL DRIVEWAY	0	30	60	90	120	150	180	210	230
BUILDING CONSTRUCTION	0	30	60	90	120	150	180	210	230
INSTALL WELL & SEPTIC SYSTEM	0	30	60	90	120	150	180	210	230
GRADE, TOPSOIL & STABILIZE	0	30	60	90	120	150	180	210	230
FERTILIZE, LIME, SEED, & MULCH	0	30	60	90	120	150	180	210	230
ESTABLISHMENT OF VEGETATION	0	30	60	90	120	150	180	210	230
REMOVE EROSION & SEDIMENT CONTROLS	0	30	60	90	120	150	180	210	230

NOTES: BEGN CONST. 0 30 60 90 120 150 180 210 230 (DAYS)

ACTUAL DATE: _____

CONST. STARTING DATE DEPENDS ON APPROVAL DATE OF PROJECT, BONDING & WEATHER CONDITIONS. SHOULD BE PLANTED BETWEEN: 4-15 & 6-15 OR 8-15 & 9-15 (FOR PERMANENT) IF NOT MULCH WITH STRAW & MULCH NETS 3-1 & 6-15 OR 8-1 & 10-1 (FOR TEMPORARY) IF NOT MULCH WITH STRAW & MULCH NETS



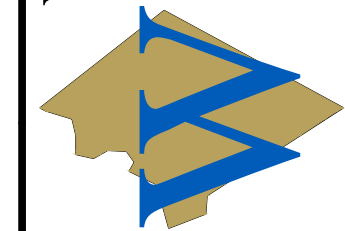
15' COMMON DRIVEWAY DETAIL



I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

WESLEY J. WENTWORTH
P.E. # 20360

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SOILS, NOTES & DETAILS
PINE GROVE SUBDIVISION
PREPARED FOR
D'AMATO BROTHERS BUILDERS
OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

REV. 9/25/23 TOWN STAFF COMMENTS

DATE: 7-28-23
SCALE: NONE
SHEET 8 OF 8
MAP NO. 22-013-1N