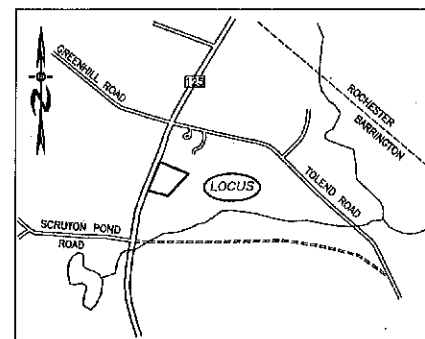
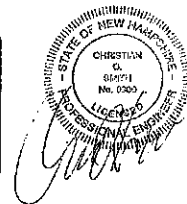
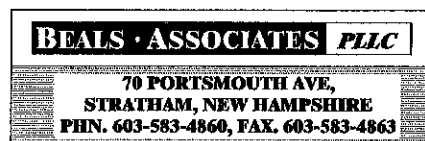


# COMMERCIAL SITE PLAN ROUTE 125 TAX MAP 220, LOT 57-19

CIVIL ENGINEERS:



LOCATION MAP  
1"=1500'

INDEX

TITLE SHEET	-
EXISTING CONDITIONS PLAN	1
COMMERCIAL SITE PLAN	2
LIGHTING\LANDSCAPE PLAN	3
HIGHWAY ACCESS PLAN	4
CONSTRUCTION DETAILS	5
SEPTIC DESIGN PLAN	1

PLANNING BOARD  
BARRINGTON, NH

**- APPROVED -**

File Number 220-57.19-RC-18-SR

Date 4/5/2018

Chairman [Signature]

WETLAND / SOIL  
CONSULTANT:

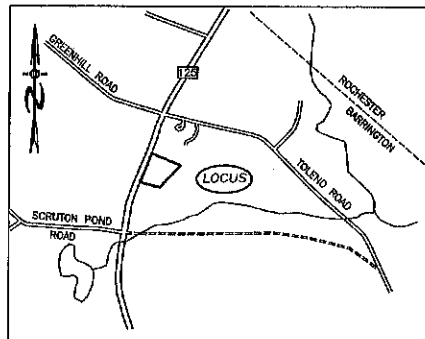
GOVE ENVIRONMENTAL SERVICES INC.  
8 CONTINENTAL DRIVE,  
BLDG 2 UNIT H  
EXETER, NH 03833  
1-603-778-0644

DEVELOPER  
KEN MAURICE  
VT STONE SCULPTURING, INC.  
68 GEORGE RD  
WILLIAMTOWN VT 05679  
PHONE # (802-461-6755

OWNER:  
CHESTNUT WOODS, LLC  
JOSEPH FALZONE  
7B EMERY LANE  
STRATHAM, N.H. 03885

[Signature] 1/10/2017  
SIGNATURE DATE

REVISIONS:	DATE:



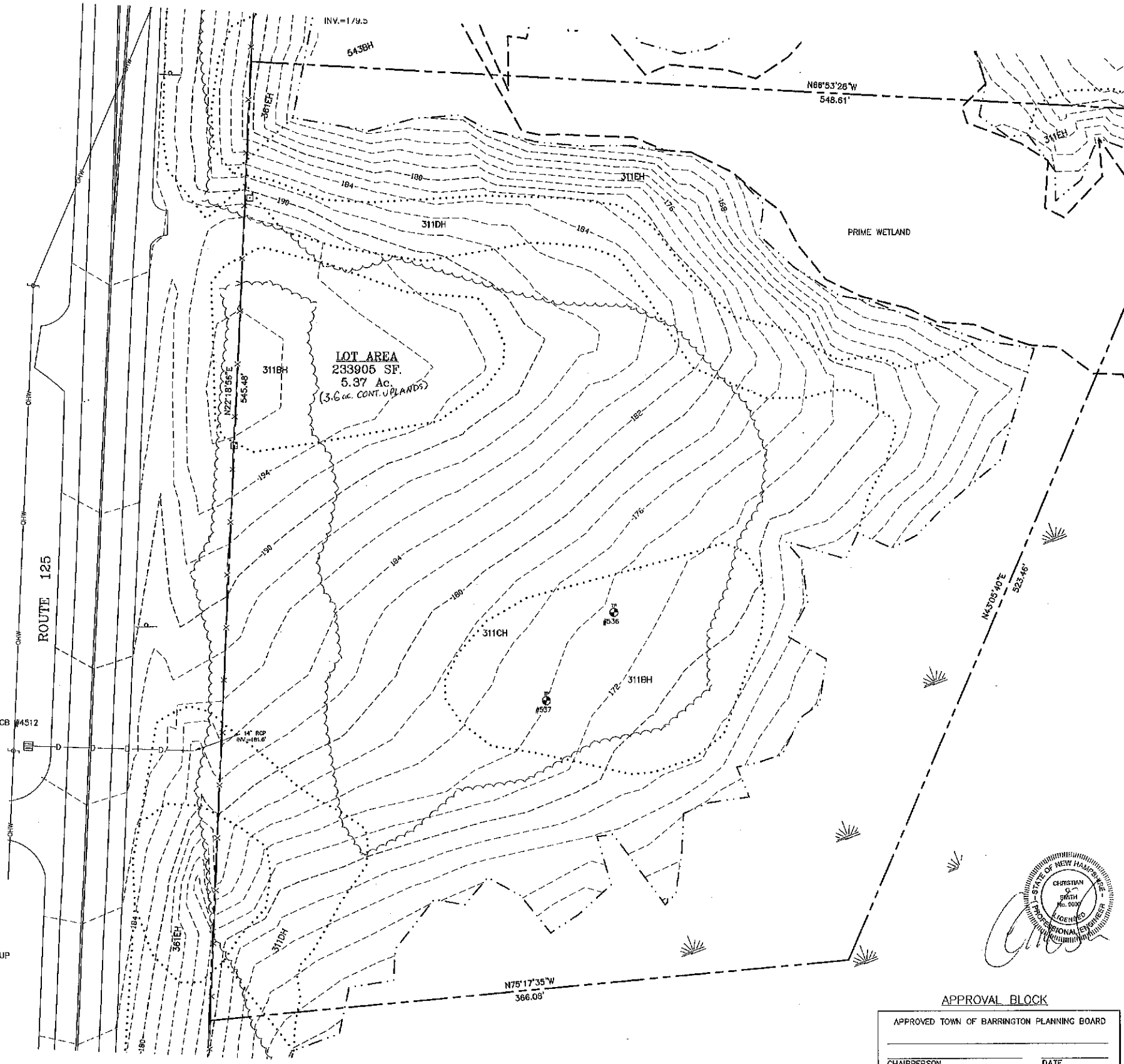
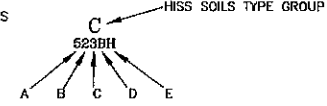
LOCATION MAP  
1"=1500'

LEGEND

- UTILITY POLE
- TEST PIT W/ NO.
- STONE WALL
- TREE LINE
- EXISTING CONTOUR - 10'
- EXISTING CONTOUR - 2'
- OVERHEAD UTILITIES
- SOILS BOUNDARY LINE
- BUILDING SETBACK LINE
- WETLAND BOUNDARY
- PRIME WETLAND BOUNDARY
- ABUTTING PROPERTY LINE
- EXISTING PROPERTY LINE

KEY TO SOIL TYPES

- SYMBOL A : DRAINAGE CLASS**
- 1- EXCESSIVELY DRAINED
  - 2- WELL DRAINED
  - 3- MODERATELY WELL DRAINED
  - 4- SOMEWHAT POORLY DRAINED
  - 5- POORLY DRAINED
  - 6- VERY POORLY DRAINED
- SYMBOL B: PARENT MATERIAL**
- 1- GLACIOFLUVIAL DEPOSITS (OUTWASH/TERRACES)
  - 2- GLACIAL TILL
  - 3- VERY FINE SAND AND SILT DEPOSITS
  - 4- LOAMY/SANDY OVER SILT/CLAY DEPOSITS
  - 5- SILT AND CLAY DEPOSITS
  - 6- EXCAVATED, REGRADED, OR FILLED
  - 7- ALLUVIAL DEPOSITS
  - 8- ORGANIC MATERIALS - FRESHWATER
  - 9- ORGANIC MATERIALS - TIDAL MARSH
- SYMBOL C: RESTRICTIVE FEATURES**
- 1- NONE
  - 2- BOULDERS
  - 3- MINERAL RESTRICTIVE LAYER WITHIN 40 INCHES OF SOIL SURFACE
  - 4- BEDROCK PRESENT WITHIN 20 INCHES OF SOIL SURFACE
  - 5- SUBJECT TO FLOODING (FLOODPLAIN)
  - 6- DOES NOT MEET FILL STANDARDS (SEE PUBLICATION)
  - 7- BEDROCK PRESENT 20-40 INCHES BELOW SOIL SURFACE
  - 8- BEDROCK DEPTH VARIABLE (GENERALLY WITHIN 40 INCHES OF SOIL SURFACE)
- SYMBOL D: SLOPE CLASS**
- B- 0% TO 8%
  - C- 8% TO 15%
  - D- 15% TO 25%
  - E- 25% TO 35%
  - F- 35%+
- SYMBOL E: HIGH INTENSITY SOIL MAP IDENTIFIER**
- H- MAP MEETS HIGH INTENSITY SOIL MAPPING STANDARDS
  - P- MAP IS FOR PRELIMINARY PLANNING ONLY AND DOES NOT MEET STANDARDS



PLANNING BOARD  
BARRINGTON, NH

**- APPROVED -**

File Number 220-5719-RC-18-SR

Date 4/5/2018

Chairman J.J.J.

- NOTES**
1. UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN LOCATED FROM FIELD OBSERVATIONS AND THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. BEALS ASSOCIATES OR ANY OF THEIR EMPLOYEES TAKE NO RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES OR UTILITIES NOT SHOWN, THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES OR STRUCTURES LOCATED PRIOR TO EXCAVATION WORK BY CALLING 1-888-DIG-SAFE.
  2. THIS PLAN HAS BEEN PREPARED FOR MUNICIPAL AND STATE APPROVALS AND FOR CONSTRUCTION BASED ON DATA OBTAINED FROM ON-SITE FIELD SURVEY AND EXISTING MUNICIPAL RECORDS. THROUGHOUT THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY FIELD DISCREPANCY FROM DATA AS SHOWN ON THE DESIGN PLANS. THIS INCLUDES ANY UNFORESEEN CONDITIONS, SUBSURFACE OR OTHERWISE, FOR EVALUATION AND RECOMMENDATIONS. ANY CONTRADICTION BETWEEN ITEMS OF THIS PLAN/PLAN SET, OR BETWEEN THE PLANS AND ON-SITE CONDITIONS MUST BE RESOLVED BEFORE RELATED CONSTRUCTION HAS BEEN INITIATED.
  3. ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
  4. ALL ROAD AND DRAINAGE WORK TO CONFORM TO TOWN STANDARD SPECIFICATIONS FOR CONSTRUCTION.
  5. ALL PROPOSED SIGNS SHALL CONFORM TO THE TOWN ZONING REGULATIONS.
  6. PROJECT IS BASED ON USGS DATUM NAVD 1988. REFERENCE BENCHMARK.
  7. THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
  8. SEE DETAIL SHEET FOR STANDARD CONSTRUCTION NOTES AND DETAILS.
  9. DISTURBANCE IS UNDER 100,000 SQ. FT. ALTERATION OF TERRAIN PERMIT RSA 485-A-17 IS NOT REQUIRED.
  10. ALL FERTILIZER SHALL BE NO-PHOSPHATE, SLOW RELEASE NITROGEN AND SHALL NOT INCREASE ANY FERTILIZER LOADING OF THE PRIME WETLAND.

PREPARED FOR:  
**KEN MAURICE**  
VT STONE SCULPTURING, INC.  
68 GEORGE RD  
WILLIAMTOWN VT 05679

**BEALS ASSOCIATES PLLC**  
70 PORTSMOUTH AVE, STRATHAM, N.H. 03885  
PHONE: 603-583-4860, FAX: 603-583-4863

REVISIONS:	DATE:

**EXISTING CONDITIONS PLAN**

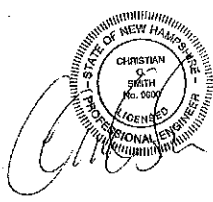
FOR:  
**COMMERCIAL DEVELOPMENT**  
ROUTE 125  
BARRINGTON, NH

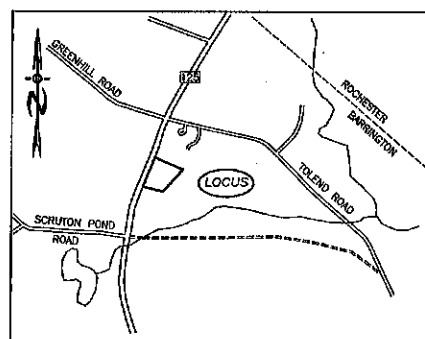
DATE: JAN. 2018      SCALE: 1"=30'  
PROJ. NO: NH-1073      SHEET NO. 1 OF 5

APPROVAL BLOCK

APPROVED TOWN OF BARRINGTON PLANNING BOARD

CHAIRPERSON \_\_\_\_\_ DATE \_\_\_\_\_





**LOCATION MAP**  
1"=1500'

**ZONING REQUIREMENTS**

ZONE: REGIONAL COMMERCIAL  
STRATIFIED DRIFT AQUIFER OVERLAY

USE:	RESIDENTIAL	COMMERCIAL
MIN. LOT SIZE =	80,000 SF	40,000 SF
MIN. FRONTAGE =	200'	200'
MAX. HEIGHT =	35'	40'

**BUILDING SETBACKS:**

FRONT	40'	75'
SIDE & REAR	30'	30'
POORLY DRAINED SOILS	50'	50'
VERY POORLY DRAINED SOILS	100'	100'

**LEACH FIELD SETBACKS**

POORLY DRAINED SOILS	50'
VERY POORLY DRAINED SOILS	100'

UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM FIELD OBSERVATION AND THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. NEITHER BEALS ASSOCIATES, NOR ANY OF THEIR EMPLOYEES TAKE RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES OR UTILITIES NOT SHOWN THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND STRUCTURES AND/OR UTILITIES LOCATED PRIOR TO EXCAVATION

WORK BY CALLING 1-888-DIG-SAFE (1-888-344-7233).



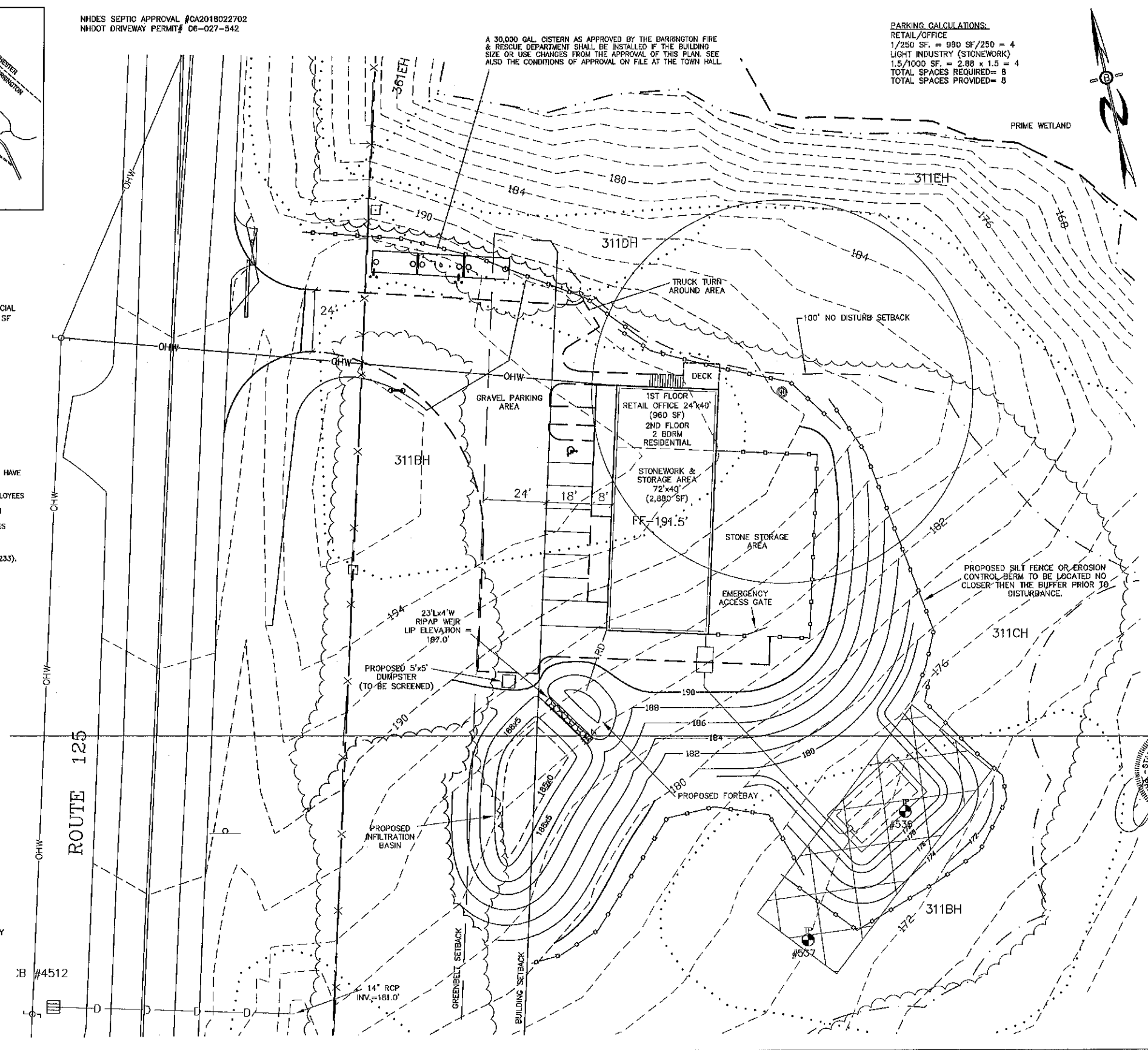
**LEGEND**

○	UTILITY POLE
○	TEST PIT W/ NO.
—	STONE WALL
—	TREE LINE
---	EXISTING CONTOUR - 10'
---	EXISTING CONTOUR - 2'
---	OVERHEAD UTILITIES
---	SOILS BOUNDARY LINE
---	BUILDING SETBACK LINE
---	WETLAND SETBACK LINE
---	WETLAND BOUNDARY
---	PRIME WETLAND BOUNDARY
---	ABUTTING PROPERTY LINE
---	EXISTING PROPERTY LINE
▨	4000 SF SEPTIC RESERVE AREA
○	PROP. WELL W/ 75' PROTECTIVE RAD.

NHDES SEPTIC APPROVAL #CA2018022702  
NHDOT DRIVEWAY PERMIT# 06-027-542

A 30,000 GAL. CISTERN AS APPROVED BY THE BARRINGTON FIRE & RESCUE DEPARTMENT SHALL BE INSTALLED IF THE BUILDING SIZE OR USE CHANGES FROM THE APPROVAL OF THIS PLAN. SEE ALSO THE CONDITIONS OF APPROVAL ON FILE AT THE TOWN HALL.

**PARKING CALCULATIONS:**  
RETAIL/OFFICE  
1/250 SF. = 980 SF/250 = 4  
LIGHT INDUSTRY (STONEMWORK)  
1.5/1000 SF. = 2.88 x 1.5 = 4  
TOTAL SPACES REQUIRED= 8  
TOTAL SPACES PROVIDED= 8



PREPARED FOR:  
**KEN MAURICE**  
VT STONE SCULPTURING, INC.  
68 GEORGE RD  
WILLIAMTOWN VT 05679

**BEALS ASSOCIATES PLLC**  
70 PORTSMOUTH AVE, STRATHAM, N.H. 03885  
PHONE: 603-583-4860, FAX: 603-583-4863

- NOTES**
- UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN LOCATED FROM FIELD OBSERVATIONS AND THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. BEALS ASSOCIATES OR ANY OF THEIR EMPLOYEES TAKE NO RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND STRUCTURES OR UTILITIES NOT SHOWN THAT MAY EXIST. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UNDERGROUND UTILITIES OR STRUCTURES LOCATED PRIOR TO EXCAVATION WORK BY CALLING 1-888-DIG-SAFE.
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  - ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
  - ALL ROAD AND DRAINAGE WORK TO CONFORM TO TOWN STANDARD SPECIFICATIONS FOR CONSTRUCTION.
  - ALL PROPOSED SIGNS SHALL CONFORM TO THE TOWN ZONING REGULATIONS.
  - PROJECT IS BASED ON USGS DATUM NAVD 1988. REFERENCE BENCHMARK:
  - THE LANDOWNER IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL WETLAND REGULATIONS, INCLUDING ANY PERMITTING AND SETBACK REQUIREMENTS REQUIRED UNDER THESE REGULATIONS.
  - SEE DETAIL SHEET FOR STANDARD CONSTRUCTION NOTES AND DETAILS.
  - DISTURBANCE IS UNDER 100,000 SQ. FT. ALTERATION OF TERRAIN PERMIT RSA 485-A-17 IS NOT REQUIRED.
  - ALL FERTILIZER SHALL BE NO-PHOSPHATE, SLOW RELEASE NITROGEN AND SHALL NOT INCREASE ANY FERTILIZER LOADING OF THE PRIME WETLAND.
  - THIS SITE IS NOT LOCATED IN THE 100 YEAR FLOOD ZONE.
  - THIS PLAN REQUIRES COMPLIANCE WITH ARTICLE 12.4.2 "PERFORMANCE STANDARDS FOR THE STRATIFIED DRIFT AQUIFER AREA BOUNDARIES" OF THE BARRINGTON ZONING ORDINANCE.
  - THE RESIDENTIAL UNIT SHALL HAVE AN APPROVED FIRE CODE COMPLIANT SPRINKLER SYSTEM INSTALLED.

**TOWN NOTES**

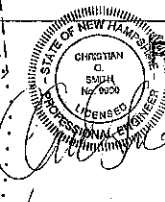
IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.

REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE AND SHALL BE MAINTAINED THROUGHOUT THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.

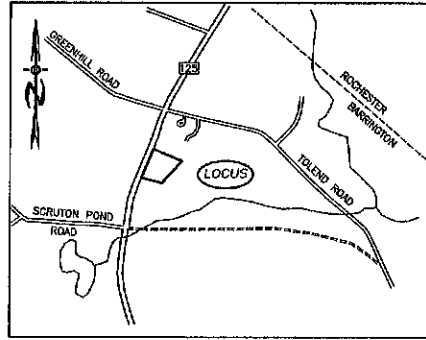
ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SUBDIVISION REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION AND PUBLIC INFRASTRUCTURE FOR ROAD & BRIDGE CONSTRUCTION.

**PLANNING BOARD**  
BARRINGTON, NH  
PLANNING BOARD APPROVAL BEING  
**- APPROVED -**

File Number 220-57.9-RC-18-SR  
Date 4/15/2018  
Chairman [Signature]



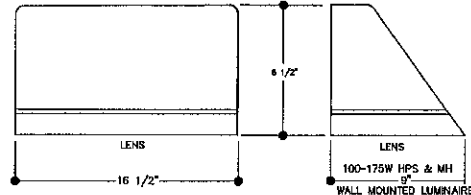
ADDED CISTERN LOCATION AND NOTES	3-9-18
REVISIONS:	DATE:
<b>COMMERCIAL SITE PLAN</b>	
FOR: COMMERCIAL DEVELOPMENT ROUTE 125 BARRINGTON, NH	
DATE: JAN. 2018	SCALE: 1"=20'
PROJ. NO: NH-1073	SHEET NO. 2 OF 5



LOCATION MAP  
1"=1500'

LIGHTING NOTES:

1. ALL OUTDOOR LIGHTING SHALL BE SO DIRECTED & SHIELDED THAT NO GLARE WILL SPILL OUT ONTO RESIDENTIALLY ZONED PROPERTIES.
2. AFTER 10:00 PM ONLY THAT AMOUNT OF LIGHT NECESSARY FOR THE SECURITY OF THE PREMISES SHALL BE PERMITTED.



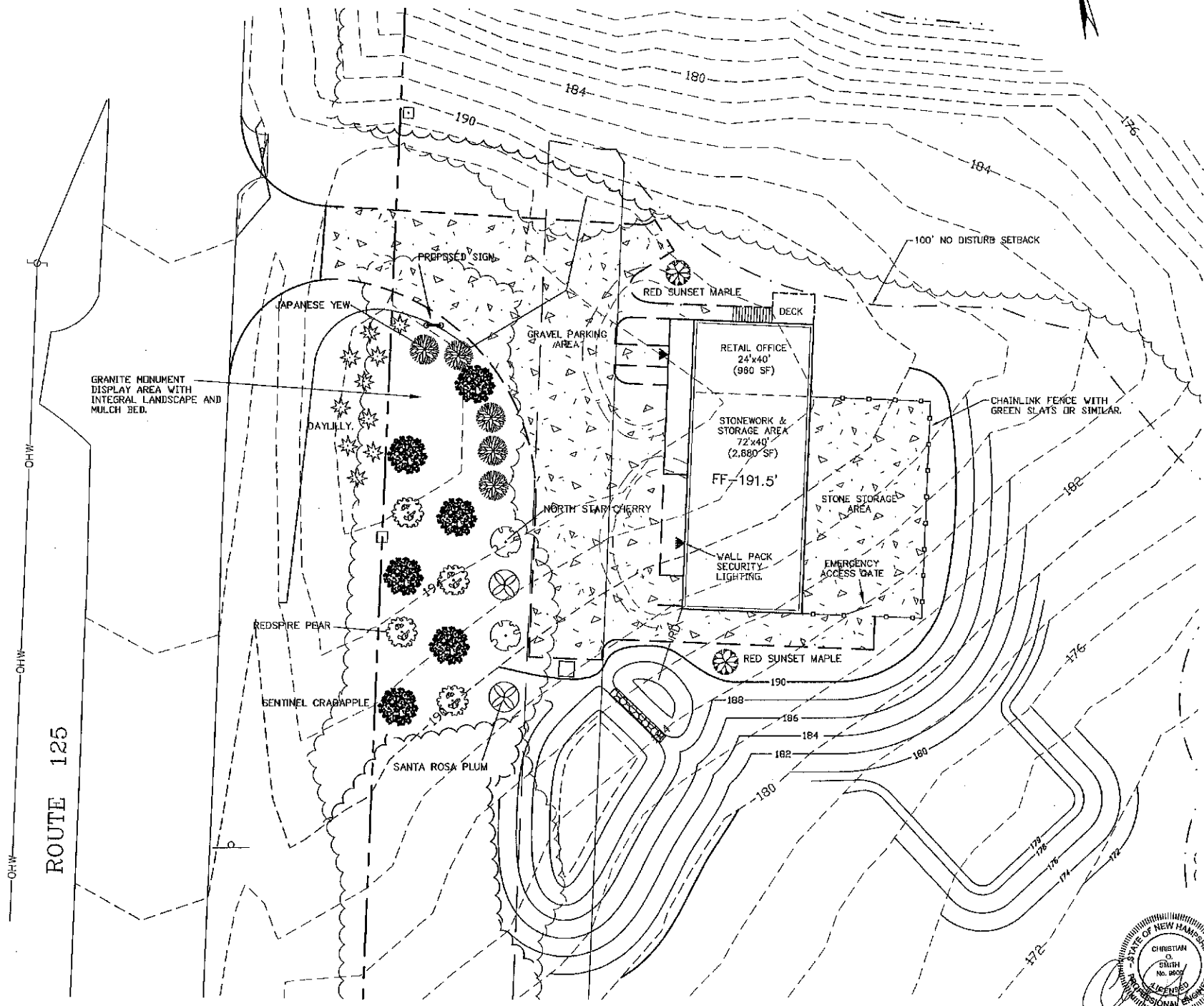
WALLPACK DETAIL

LEGEND

⊕	UTILITY POLE
⊕	TEST PIT W/ NO.
-----	STONE WALL
~~~~~	TREE LINE
-----	EXISTING CONTOUR - 10'
-----	EXISTING CONTOUR - 2'
-----	OVERHEAD UTILITIES
-----	SOILS BOUNDARY LINE
-----	BUILDING SETBACK LINE
-----	WETLAND SETBACK LINE
-----	WETLAND BOUNDARY
-----	PRIME WETLAND BOUNDARY
-----	ADJUTING PROPERTY LINE
-----	EXISTING PROPERTY LINE

PLANT LIST

QTY.	BOTANICAL NAME	COMMON NAME	SIZE AND SPECIFICATION
<b>TREES</b>			
	ACER REBRUM RED SUNSET	RED SUNSET MAPLE	2.5"-3" CAL. B&B
	MALUS SENTINEL	SENTINEL CRABAPPLE	2" CAL. B&B
	PYRUS CALLERYANA REDSPIRE	REDSPIRE PEAR	2.5"-3" CAL. B&B
	PRUNUS SALICINA 'SANTA ROSA'	SANTA ROSA PLUM	2.5"-3" CAL. B&B
	PRUNUS CERASUS 'NORTH STAR'	NORTH STAR CHERRY	2.5"-3" CAL. B&B
<b>SHRUBS AND GROUNDCOVERS</b>			
	HEMEROCALLIS	DAYLILLY	1 GAL.
	TAXUS MEDIA DENSIFORMIS	JAPANESE YEW	18" HGT.



PREPARED FOR:  
**KEN MAURICE**  
 VT STONE SCULPTURING, INC.  
 68 GEORGE RD  
 WILLIAMTOWN VT 05679

**BEALS ASSOCIATES PLLC**  
 70 PORTSMOUTH AVE, STRATHAM, N.H. 03885  
 PHONE: 603-583-4860, FAX: 603-583-4863

PLANTING NOTES:

1. NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
2. A 4-INCH DEEP SHREDDED PINE BARK SHALL BE INSTALLED UNDER ALL SHRUBS, AND IN ALL PLANTING BEDS, AS DIRECTED BY OWNER. ALL TREES SHALL BE BAILED AND BURLAPPED, UNLESS OTHERWISE NOTED, OR APPROVED BY THE OWNER.
3. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
4. LOAM AND SEED ALL AREAS NOT OTHERWISE NOTED.
5. DO NOT INSTALL LOAM IN AREAS OF EXISTING TREES TO REMAIN. THE LANDSCAPING OF THE SITE DEPICTED ON THIS PLAN IS INTEGRAL TO THE APPROVAL BY THE BARRINGTON PLANNING BOARD AND SHALL BE REASONABLY MAINTAINED AND WHEN DEAD OR REMOVED, MUST BE REASONABLY REPLACED.

PLANNING BOARD  
 BARRINGTON, NH  
 PLANNING BOARD APPROVAL BLOCK

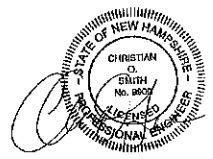
**APPROVED**

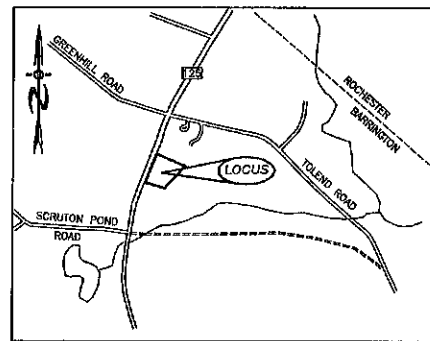
File Number 220-57.19-RC-18-SR

Date 4/5/2018

Chairman [Signature]

REVISIONS:	DATE:
<b>LIGHTING/LANDSCAPE PLAN</b>	
FOR: COMMERCIAL DEVELOPMENT ROUTE 125 BARRINGTON, NH	
DATE: JAN. 2018	SCALE: 1"=20'
PROJ. NO: NH-1073	SHEET NO. 3 OF 5





LOCATION MAP  
1"=1500'



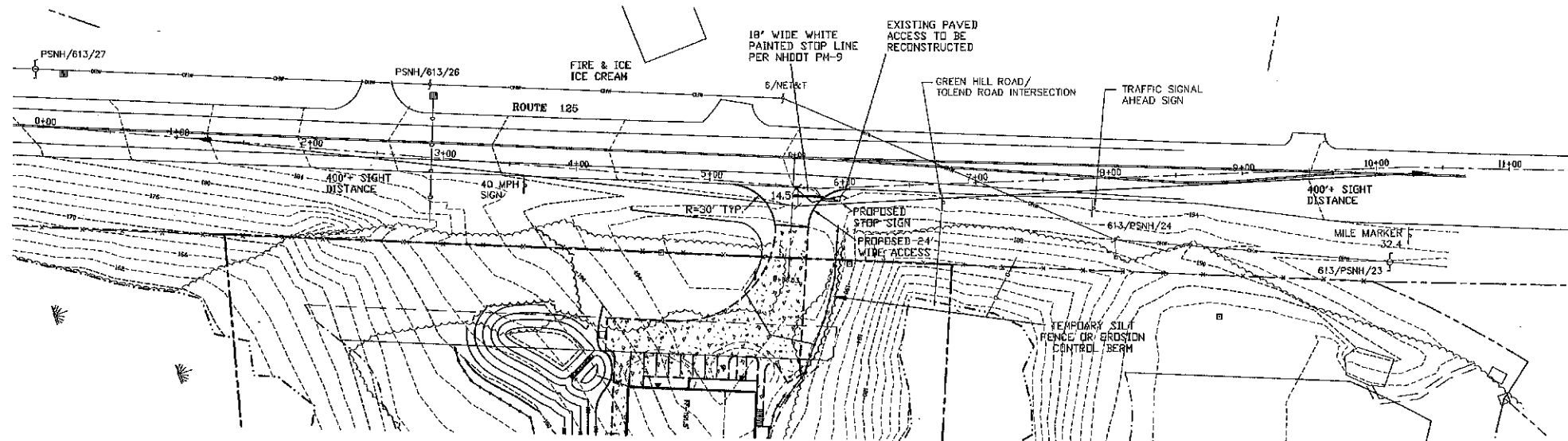
NOTES

1. ALL ELECTRICAL, TELEPHONE, CABLE TELEVISION AND ALARM LINES TO BE PLACED AS DIRECTED BY THE APPROPRIATE UTILITY COMPANY.
2. ALL BENCHMARKS AND TOPOGRAPHY SHOULD BE FIELD VERIFIED BY THE CONTRACTOR, ENGINEER TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY.
3. ALL CONSTRUCTION METHODS AND MATERIALS WILL CONFORM TO THE TOWN STANDARD SPECIFICATIONS AND TO N.H.D.O.T. STANDARDS AND REGULATIONS.
4. ALL DRAINAGE STRUCTURES AND SWALES WILL BE BUILT AND STABILIZED PRIOR TO HAVING RUN-OFF DIRECTED TO THEM.

PREPARED FOR:

KEN MAURICE  
VT STONE SCULPTURING, INC.  
68 GEORGE RD  
WILLIAMTOWN VT 05679

**BEALS ASSOCIATES PLLC**  
70 PORTSMOUTH AVE, STRATHAM, N.H. 03885  
PHONE: 603-583-4860, FAX: 603-583-4863



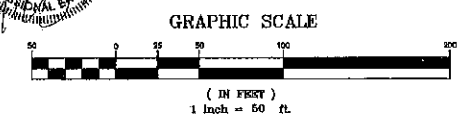
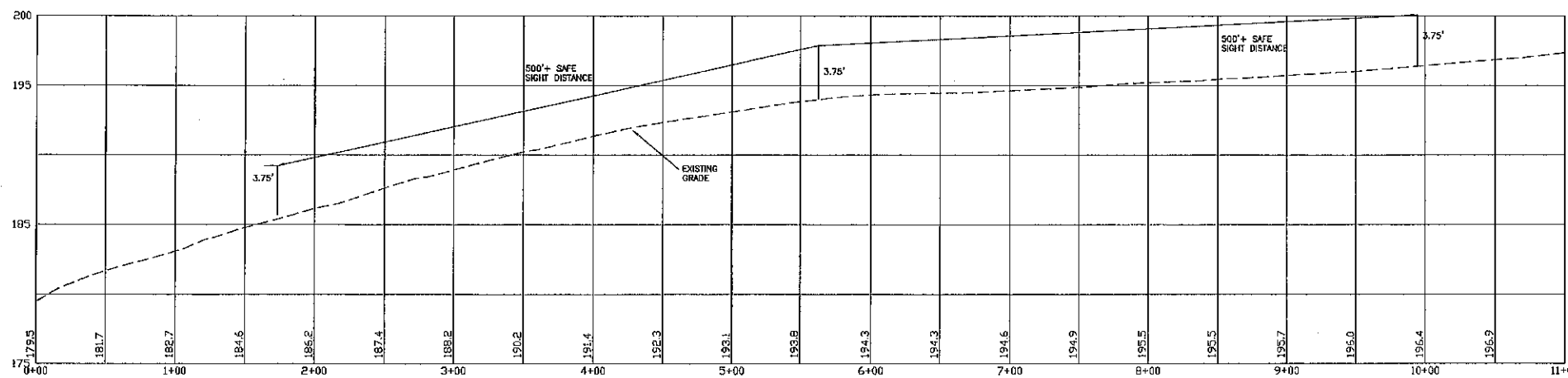
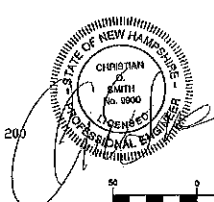
PLANNING BOARD  
BARRINGTON, NH

**-APPROVED-**

File Number 220-57-19-PC-18-SR

Date 4/5/2018

Chairman [Signature]



PROFILE SCALES:  
HORIZONTAL: 1"=50' VERTICAL: 1"=5'

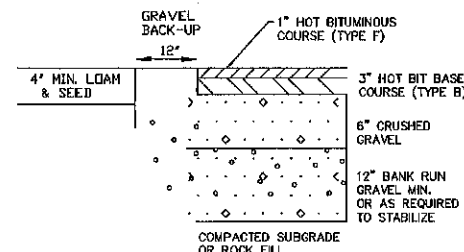
PER NHDOT REVIEW	2-8-18
PER NHDOT REVIEW	1-31-18
REVISIONS:	DATE:

HIGHWAY ACCESS PLAN-H1

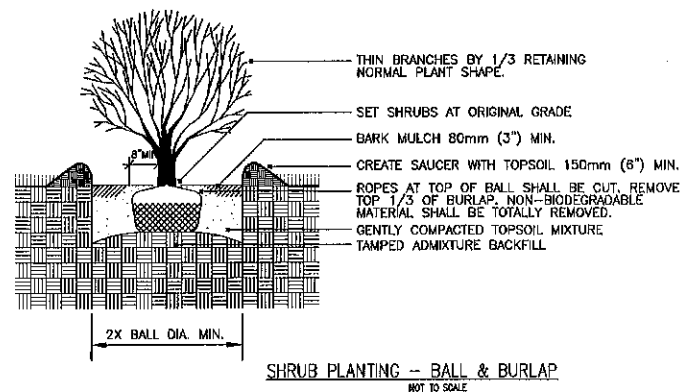
FOR:  
COMMERCIAL DEVELOPMENT  
ROUTE 125  
BARRINGTON, NH

DATE: JAN. 2018 SCALE: 1"=50'

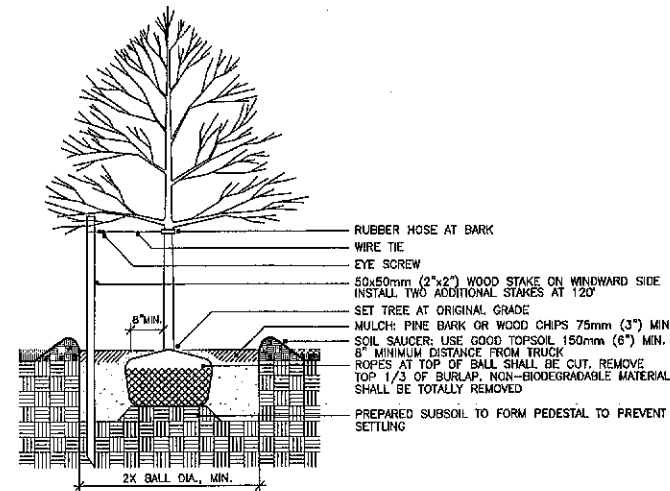
PROJ. NO: NH-1073 SHEET NO. 4 OF 5



TYPICAL PAVEMENT/GRAVEL SECTION  
NEW ASPHALT - NTS



SHRUB PLANTING - BALL & BURLAP  
NOT TO SCALE



DECIDUOUS TREE PLANTING WITH STAKE AND WIRE TIE - HEAVY DUTY

NOTE: STAKING TO BE USED IN PARKING ISLANDS AND OTHER CONFINED AREAS AS NECESSARY TO AVOID CONFLICTS WITH PEDESTRIANS

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**KEN MAURICE**  
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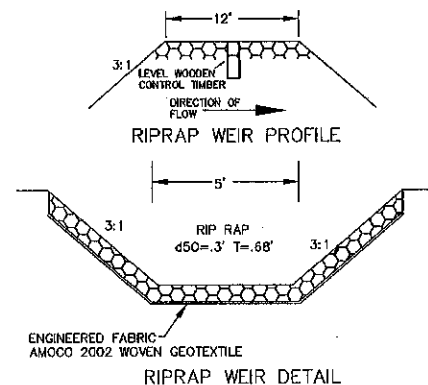
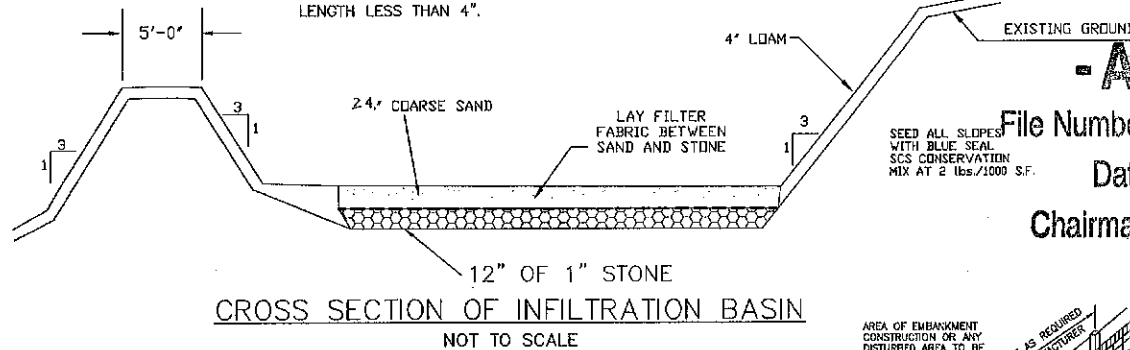


TABLE 7-24-RECOMMENDED RIP RAP GRADATION RANGES

THICKNESS OF RIP RAP = 0.25 FEET	d50 SIZE = 0.25 FEET 3 INCHES	
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	5	6
85%	4	5
50%	3	5
15%	1	2

**INFILTRATION BASIN NOTES**

1. THE TOP OF THE BERM SHALL BE 158.00'
2. THE POND BOTTOM ELEVATION SHALL BE 155.00'
3. THE FILL MATERIAL UNDER THE POND BOTTOM SHALL BE PLACED IN ONE FOOT LIFTS AND MODERATELY COMPACTED SELECT FILL, FREE OF FROST, ORGANICS, AND SHALL HAVE LESS THEN 15% PASSING THE #200 SIEVE.
4. DO NOT DIRECT ANY FLOW TO BASIN UNTIL THE SIDE SLOPES ARE STABILIZED WITH VEGETATION.
5. PER THE O.M.P., THIS BASIN WILL BE MOWED BY HAND WHEN NEEDED AND THE GRASS SHALL NOT BE CUT TO A LENGTH LESS THAN 4".



CROSS SECTION OF INFILTRATION BASIN  
NOT TO SCALE

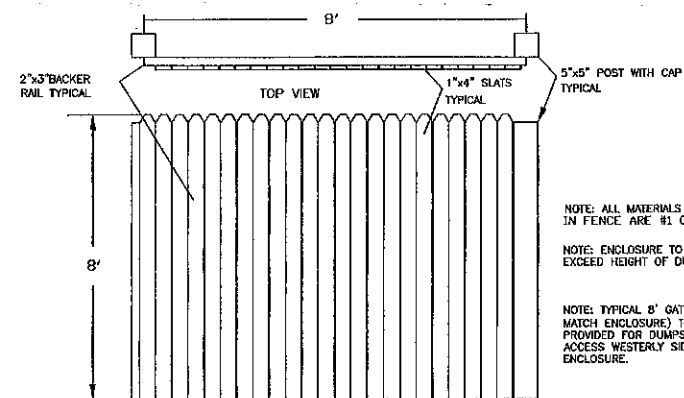
**PLANNING BOARD**  
**BARRINGTON, NH**

**- APPROVED -**

File Number 220-5719-RL-18-SR

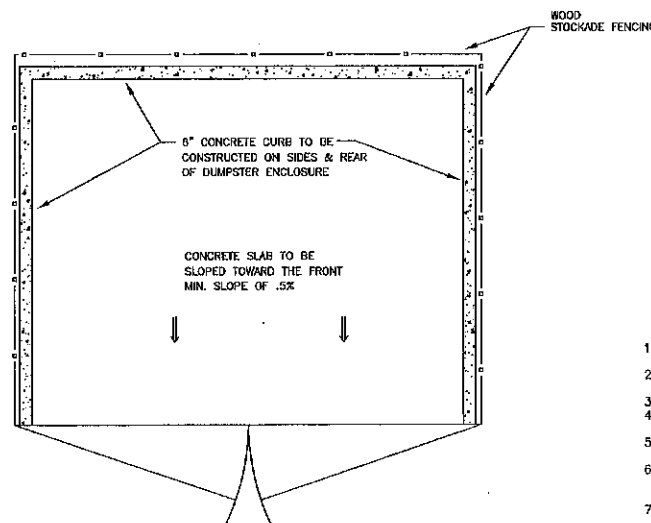
Date 4/15/2018

Chairman J. J.

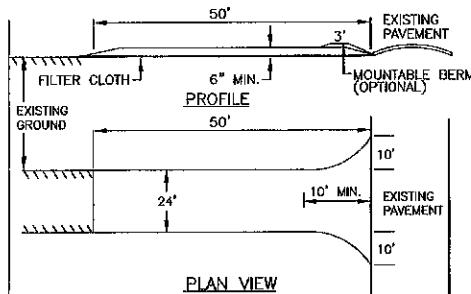


FRONT VIEW  
STOCKADE FENCE DETAIL  
N.T.S.

NOTE: ALL MATERIALS USED IN FENCE ARE #1 CEDAR.  
NOTE: ENCLOSURE TO MATCH OR EXCEED HEIGHT OF DUMPSTER  
NOTE: TYPICAL 8' GATE (TO MATCH ENCLOSURE) TO BE PROVIDED FOR DUMPSTER ACCESS WESTERLY SIDE OF THE ENCLOSURE.



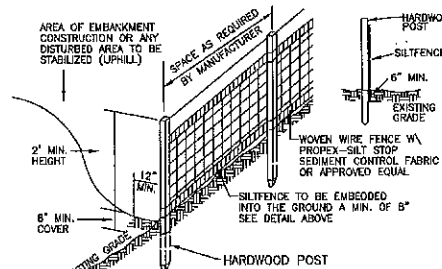
DUMPSTER SLAB DETAILS  
N.T.S.



PLAN VIEW

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 3:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

STABILIZED CONSTRUCTION ENTRANCE



**SILT FENCE CONSTRUCTION SPECIFICATIONS**

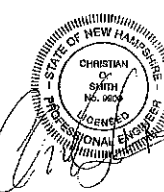
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A
2. MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 18" INTO THE GROUND WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER.
3. THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT
4. REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE
5. FOR SEDIMENT STORAGE SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND
6. THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED

**SILT FENCE MAINTENANCE**

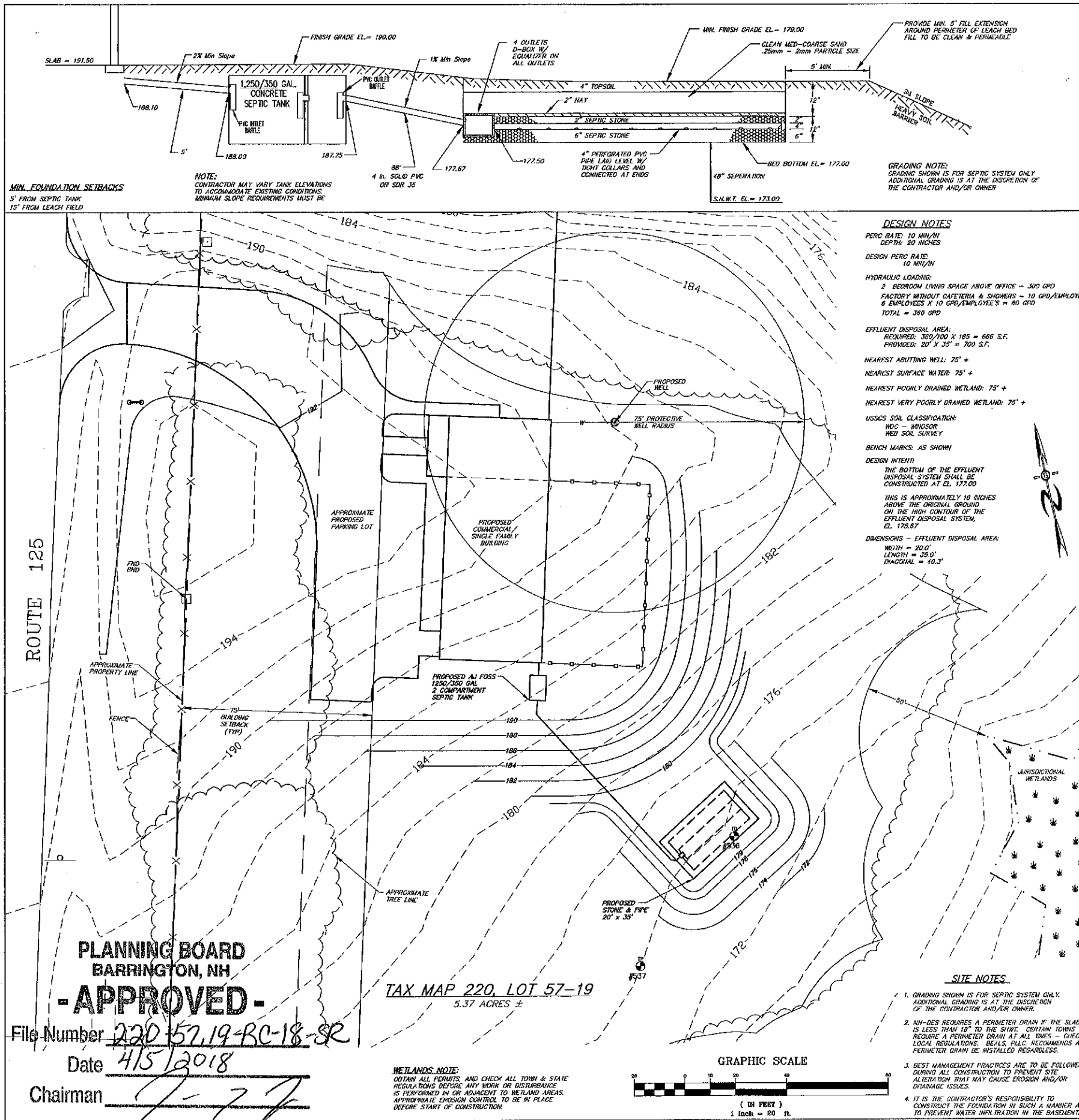
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME
2. INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY, SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT.
3. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE
4. FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

**TEMPORARY EROSION CONTROL MEASURES**

1. NO MORE THAN 3.5 ACRES OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED OR DIRECTED BY THE ENGINEER ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS.
3. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN 1.10 POUNDS OF SEED PER 1000 SQUARE FEET OF AREA. (48 POUNDS PER ACRE) SEE SEED SPECIFICATIONS THIS SHEET.
4. SILT FENCES AND OTHER EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND AFTER EVERY RAIN EVENT GREATER THAN 0.5" DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
5. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
6. AREAS MUST BE SEEDED AND MULCHED WITHIN 3 DAYS OF FINAL GRADING. PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING, OR TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF SOIL.



REVISIONS:	DATE:
<b>CONSTRUCTION DETAILS</b>	
FOR: COMMERCIAL DEVELOPMENT ROUTE 125 BARRINGTON, NH	
DATE: JAN. 2018	SCALE: 1"=20'
PROJ. NO: NH-1073	SHEET NO. 5 OF 05

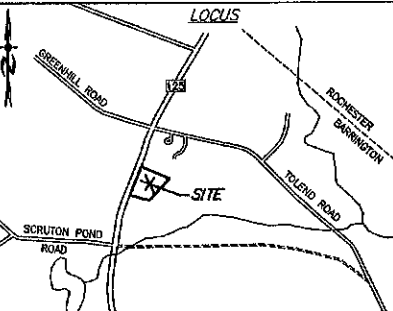


**TEST PIT LOGS**

Test Pit # 635	Test Pit # 637
0' - 9" 10YR 3/3 Dark Brown, Fine Sandy Loam, Granular, Friable	0' - 13" 10YR 3/3 Dark Brown, Fine Sandy Loam, Granular, Friable
9" - 32" 10YR 5/6 Yellowish Brown, Loamy Sand, Granular, Friable	13" - 26" 10YR 5/6 Yellowish Brown, Loamy Sand, Granular, Friable
32" - 47" 10YR 4/4 Dark Yellowish Brown, Sand, Single Grn, Loose W/redox	26" - 50" 10YR 4/4 Dark Yellowish Brown, Sand, Single Grn, Loose W/redox
47" - 72" 2.5Y 5/2 Grayish Brown, Very Fine Sil Loam, Blocky, Firm W/redox	50" - 72" 2.5Y 5/2 Grayish Brown, Very Fine Sil Loam, Blocky, Firm W/redox

ESHW = 32 inches  
Roots to 32"  
Observed Ground Water - None  
Restrictive @ 47 inches  
No Refusal  
Perc Rate = 10 ml/inch @ 20"

ESHW = 28 inches  
Roots to 28"  
Observed Ground Water - None  
Restrictive @ 30 inches  
No Refusal  
Perc Rate = 10 ml/inch @ 20"



**DESIGN NOTES**

PERC RATE: 10 ML/IN  
DEPTH: 20 INCHES  
DESIGN PERC RATE: 10 ML/IN

**HYDRAULIC LOADING:**  
2 BEDROOM LIVING SPACE ABOVE OFFICE - 300 GPD  
FACTORY WITHOUT CATERERA & SHOWERS - 10 GPD/EMPLOYEE  
6 EMPLOYEES X 10 GPD/EMPLOYEE'S = 60 GPD  
TOTAL = 360 GPD

**EFFLUENT DISPOSAL AREA:**  
REQUIRED: 300/100 X 185 = 666 S.F.  
PROVIDED: 20' X 35' = 700 S.F.

NEAREST ADJUTING WELL: 75' +  
NEAREST SURFACE WATER: 75' +  
NEAREST POORLY DRAINED WETLAND: 75' +  
NEAREST VERY POORLY DRAINED WETLAND: 75' +

**USDCS SOIL CLASSIFICATION:**  
HDC - WINGSOR  
RED SOIL SURVEY

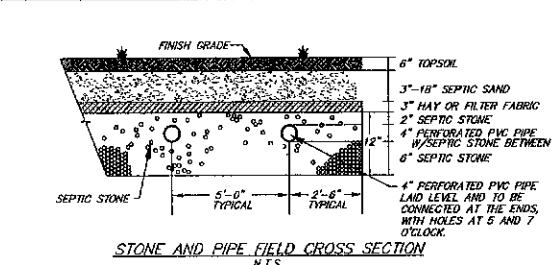
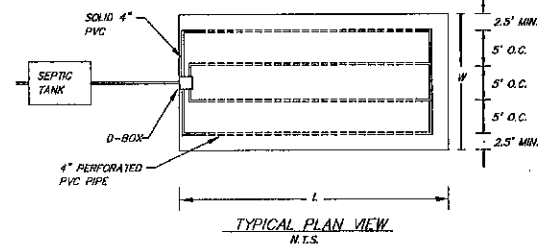
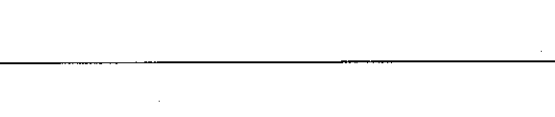
BENCH MARKS: AS SHOWN

**DESIGN INTENT:**  
THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT EL. 177.00  
THIS IS APPROXIMATELY 16 INCHES ABOVE THE ORIGINAL GROUND ON THE HIGH CONTOUR OF THE EFFLUENT DISPOSAL SYSTEM, EL. 173.67

**DIMENSIONS - EFFLUENT DISPOSAL AREA:**  
WIDTH = 20.0'  
LENGTH = 35.0'  
DIAGONAL = 49.3'

**\*\*THIS PLAN IS NOT A SURVEY\*\***

THE BUILDER/SITE CONTRACTOR IS RESPONSIBLE TO CONFIRM THE ZONING DIMENSIONAL REQUIREMENTS AND SETBACK LINE REQUIREMENTS PRIOR TO INITIATING CONSTRUCTION OF THE PROPOSED HOUSE AND SEPTIC SYSTEM. THE ZONING ORDINANCE OF THE MUNICIPALITY IS TO BE COMPLIED WITH. THE BUILDER/SITE CONTRACTOR IS ALSO RESPONSIBLE TO CONTACT THE MUNICIPALITY REGARDING INSPECTIONS PRIOR TO AND DURING CONSTRUCTION. LOCATION AND BOTTOM INSPECTIONS. THIS PLAN IS NOT INTENDED TO BE USED AS A SITE PLAN.



**DESIGN INTENT**  
BOTTOM OF EFFLUENT DISPOSAL AREA TO BE NO LESS THAN 16" ABOVE THE ORIGINAL GRADE ON THE HIGH SIDE.

**NOTES**  
1) SEE SITE PREPARATION AND FILL NOTES  
2) ORIGINAL GRADE, HIGH SIDE ASSUMED TO BE 173.67  
3) MINIMUM FILL EXTENSION WHERE APPLICABLE IS 5"  
4) ALL FILL UNDER RAISED SYSTEMS INCLUDING SHOULDERS TO BE MEDIUM TO COARSE SEPTIC SAND.

**DESIGNER STAMP**

**OWNER OF RECORD**  
CHESTNUT WOOD, LLC  
78 EMERY LANE  
STRATHAM, NH 03885  
BK 4345, PG 0405

**APPROVALS**  
STATE SUBMISSION APPROVAL SA2018122302  
STATE NAME: CHESTNUT FOREST

- GENERAL NOTES**
- CONTRACTOR TO VERIFY ALL ELEVATIONS IN FIELD PRIOR TO CONSTRUCTION
  - PROPOSED SEPTIC TANKS AND D-BOX TO BE SUPPLIED BY: AJ FOSS OF FARMINGTON, OR EQUAL
  - NO VEHICULAR NOR LIVESTOCK TRAVEL NOR SHOW REMOVAL ALLOWED IN AREA OF SYSTEM.
  - RECOMMENDED CLEANING SEPTIC TANK AT LEAST ONCE EVERY 2 YEARS.
  - CONCRETE STRUCTURE TO BE WATER TIGHT. ALL JOINTS, INLETS, OUTLETS, ETC. TO BE SEALED WITH NON-SHRINK GROUT - "WATER PLUS", "BLOCK BOND", OR EQUAL.
  - 4 INCH GRAVITY SEWER TO BE SDR 35 OR SCHEDULE 40 PVC. WHERE WELLS ARE 2" FROM SEPTIC TANK, 4" GRAVITY SEWER TO BE SDR 26, SCHEDULE 40 PVC, OR POLYETHYLENE PIPE ("POLY PIPE") 100-150 PSI RATING.
  - MINIMUM PIPE SLOPES: BUILDING TO TANK = 2%, TANK TO D-BOX = 1%
  - EFFLUENT DISPOSAL AREA MAY BE REBUILT IN PLACE, SHOULD FAILURE OCCUR, PROVIDED THAT THE REQUIREMENTS OF ADMINISTRATIVE RULE ENKHS 1003.10 ARE MET.

- SITE PREPARATION AND FILL**
- CHECK DESIGN INTENT AND VERIFY THE ELEVATION OF EXISTING GROUND (UPSLOPE SIDE) BEFORE DISTURBING SITE. THE "DESIGN INTENT" MUST BE MAINTAINED.
  - REMOVE ALL TREES, BRUSH, BOULDERS, AND DEBRIS FROM THE AREA TO BE FILLED AND 10' AROUND. STUMPS NOT TO BE BURIED WITHIN 75' OF EFFLUENT DISPOSAL AREA, UNLESS UPSLOPE (35' MIN.).
  - REMOVE TOPSOIL. LEAVE SUBSOIL IN PLACE. DO NOT COMPACT SUBSOIL WITH MACHINERY. SCARIFY WITH TEETH OF EXCAVATOR BEFORE PLACING FILL. SCARIFY PARALLEL WITH CONTOURS, WORKING FROM THE CENTER OUTWARD. SOIL MUST BE DRY PRIOR TO PREPARATION.
- MATERIAL SPECIFICATIONS:**  
TOPSOIL: 6" OF CLEAN SOIL TO BE PLACED AS BLANKET ON TOP AND SIDE SLOPES.  
CLEAN FILL: PERMEABLE SOIL FREE OF ROOTS, DEBRIS, ORGANICS, AND STONES GREATER THAN 3".  
SEPTIC SAND: FILL TO EXTEND BED BOTTOM PAST ORIGINAL GRADE AND FOR THE SIDE SLOPES AS SHOWN ON THE SCHEMATIC "FILL SECTION A-A" TO MEET THE FOLLOWING SPECIFICATION: MEDIUM TO COARSE TEXTURED SAND, NO GREATER THAN 5% PASSING THE NUMBER 200 SIEVE, AND NO PARTICLES LARGER THAN 3".  
SEPTIC STONE: USE CLEAN 1.5" STONE WITH A RANGE OF 0.75" TO 2.5" AND FREE OF FINES, IN ACCORDANCE WITH ENY-85 TABLE 1014-2. CRUSHED GRANITE MUST BE THOROUGHLY WASHED TO MINIMIZE THE POTENTIAL CLOGGING EFFECT OF STONE DUST.

- SEPTIC STONE TO BE PLACED ONTO PREPARED SURFACE FROM THE SIDE. DO NOT ALLOW EQUIPMENT ON THE SCARIFIED SOIL SURFACE. FILL BETWEEN PIPES TO BE CAREFULLY PLACED WITH EXCAVATOR.
- WHEN FILL IS REQUIRED TO EXTEND BED BOTTOM BEYOND ORIGINAL GRADE, PLACE FILL IN 12" LOOSE LAYERS USING A TRACK TYPE TRACTOR WITH BLADE. ALWAYS KEEP A MINIMUM OF 3" OF FILL MATERIAL BENEATH TRACKS OF TRACTOR TO MINIMIZE COMPACTION OF NATURAL SOIL. EACH LAYER BE SPREAD IN UNIFORM THICKNESS PRIOR TO PLACING NEXT LAYER. CONTINUOUS GRADING AND SHAPING SHALL BE CARRIED OUT TO ASSURE UNIFORM DENSITY THROUGHOUT EACH LAYER. FILL AREA SHOULD BE COVERED WITH TOPSOIL, SEED, AND MULCHED IMMEDIATELY AFTER BACKFILLING TO PREVENT EROSION.
- BACKFILL DEPTH OVER SYSTEM TO BE 12"-24", CROWN 2% MIN. TO PROVIDE RUNOFF. SYSTEM BACKFILLED WITH MORE THAN 18" MUST BE VENTED.

Prepared by: JOSEPH NICHOLS

**BEALS ASSOCIATES PLLC**

70 PORTSMOUTH AVE.  
STRATHAM, NEW HAMPSHIRE  
PH. 603-583-4866, FAX. 603-583-4863

REVISIONS:	DATE:

DATE: JANUARY 2018 SCALE: 1"=20'

Title: COMMERCIAL DEVELOPMENT  
ROUTE 125  
TAX MAP 220, LOT 57-19  
BARRINGTON, NH

**EFFLUENT DISPOSAL PLAN**

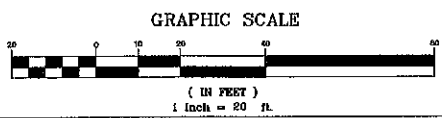
PROJECT NUMBER: NH-1073 SHEET NUMBER: 1 OF 1

**PLANNING BOARD  
BARRINGTON, NH  
- APPROVED -**

File Number 220 57-19-BC-18-SR  
Date 4/5/2018  
Chairman [Signature]

TAX MAP 220, LOT 57-19  
5.37 ACRES ±

**WETLANDS NOTE:**  
OBTAIN ALL PERMITS, AND CHECK ALL TOWN & STATE REGULATIONS BEFORE ANY WORK OR DISTURBANCE IS PERFORMED IN OR ADJACENT TO WETLAND AREAS. APPROPRIATE EROSION CONTROL TO BE IN PLACE BEFORE START OF CONSTRUCTION.



- SITE NOTES**
- GRADING SHOWN IS FOR SEPTIC SYSTEM ONLY. ADDITIONAL GRADING IS AT THE DISCRETION OF THE CONTRACTOR AND/OR OWNER.
  - NY-DES REQUIRES A PERIMETER DRAIN IF THE SLAB IS LESS THAN 18" TO THE SLOPE. CERTAIN TOWNS REQUIRE A PERIMETER DRAIN AT ALL TIMES - CHECK LOCAL REGULATIONS. BEALS, PLLC, RECOMMENDS A PERIMETER DRAIN BE INSTALLED REGARDLESS.
  - BEST MANAGEMENT PRACTICES ARE TO BE FOLLOWED DURING ALL CONSTRUCTION TO PREVENT SITE ALTERATION THAT MAY CAUSE EROSION AND/OR DRAINAGE ISSUES.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT THE FOUNDATION IN SUCH A MANNER AS TO PREVENT WATER INTRUSION IN THE BASEMENT.