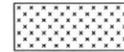


LEGEND

- APPROX. PROPERTY LINE
- BUILDING SETBACK
- LAKE REFERENCE LINE
- REFERENCE SETBACK LINE
- PROPOSED SILT FENCE
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING TREELINE
- PROPOSED TREELINE



EXISTING UNALTERED AREA
50' TO 150'



EXISTING IMPERVIOUS
AREAS

1 PHOTOGRAPH LOCATION & ORIENTATION

EXISTING UNALTERED AREA CALCULATION

TOTAL AREA 50'-150' ±17550 S.F. (0.40 AC.)
EXISTING UNALTERED AREA: ±10133 S.F.

EXISTING IMPERVIOUS AREA CALCULATION

TOTAL LOT AREA: ±1.44 AC
LOT AREA 0-250': ±44,000 S.F.
EXISTING IMPERVIOUS AREA:
EXIST. ROAD & PARKING ± 4070 S.F.
HOUSE & DECK ± 1360 S.F.
SHED ± 125 S.F.
PATH ± 445 S.F.
TOTAL ± 6000 S.F.

6000 S.F./44000 S.F.= 13.6%

TOWN OF NEW LONDON TREE COUNTS 50' x 50' GRID
(50 POINTS REQUIRED PER 50' CELL)

CELL #	1-6"	6-12"	<12"	Total Points
	1 Pt. ea.	5 Pts. ea.	10 Pts. ea.	
CELL 1&2	4	5	5	79 Points
CELL 3&4	0	0	5	50 Points
CELL 5&6	3	4	5	73 Points
CELL 7	0	6	3	60 Points

NHDES SHORELAND TREE COUNTS 25' x 50' GRID
(25 POINTS REQUIRED PER 25' CELL)

CELL #	1-3"	3-6"	6-12"	<12"	Total Points
	1 Pt. ea.	5 Pts. ea.	10 Pts. ea.	15 Pts. ea.	
CELL 1	0	4	2	3	65 Points
CELL 2	0	0	3	2	60 Points
CELL 3	0	0	0	1	15 Points
CELL 4	0	0	0	4	60 Points
CELL 5	0	0	2	2	50 Points
CELL 6	0	3	2	3	80 Points
CELL 7	0	0	6	3	105 Points

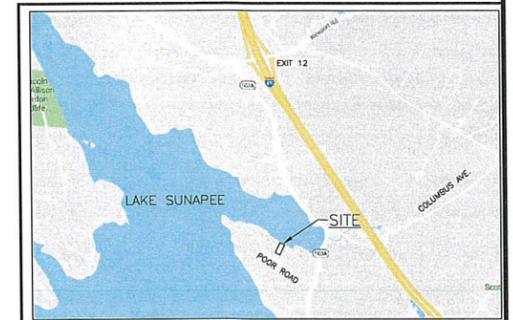
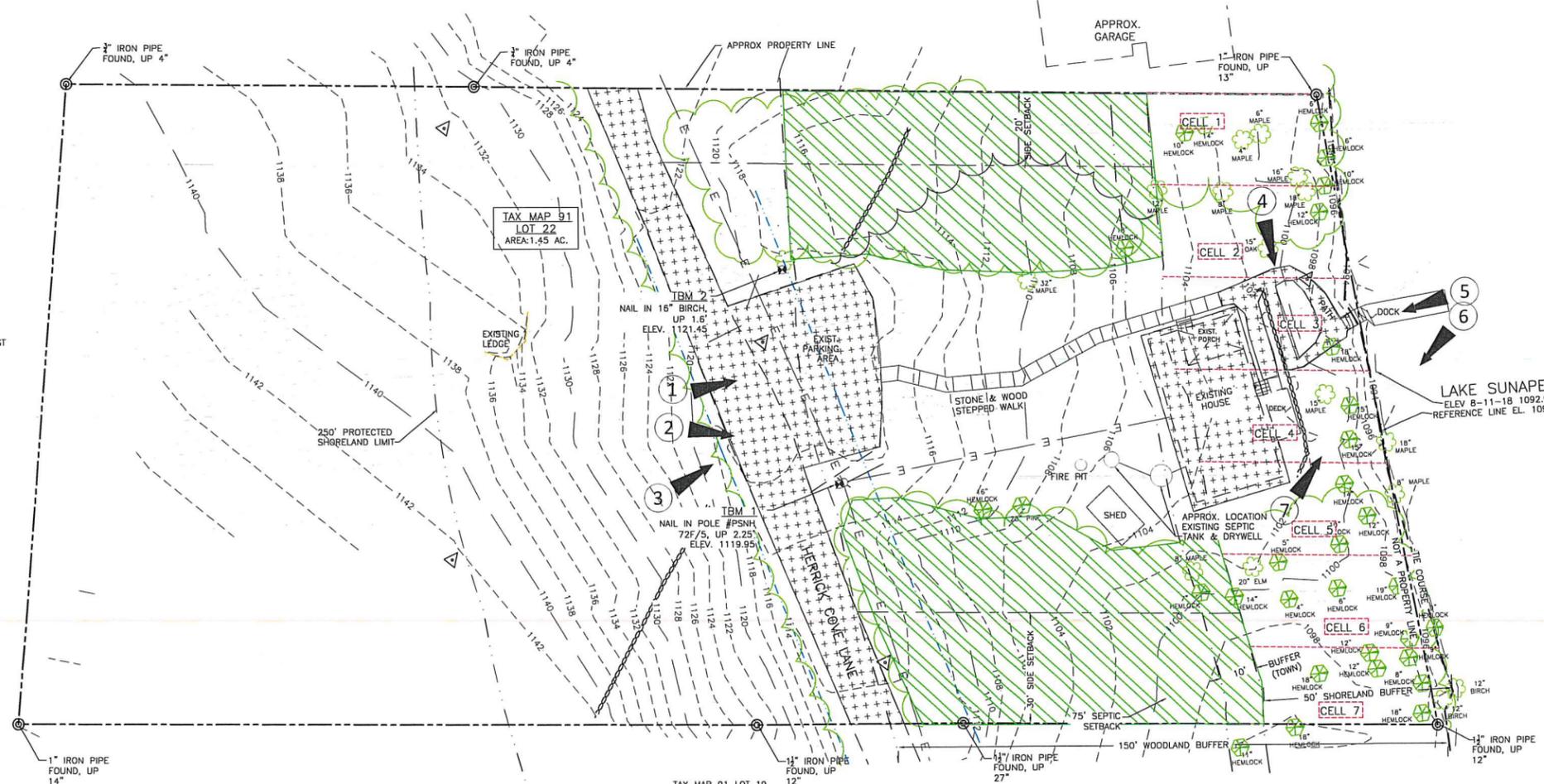
NOTES:

1. OWNER OF RECORD:
SCOTT STEFFEY
P.O. BOX 978
HANOVER, NH 03755
2. TAX MAP 91 LOT 22, NEW LONDON, NH
LOT AREA: 1.45
MCRD BK. 3505 PG. 855
3. BOUNDARY LINES SHOWN ON THIS PLAN ARE APPROXIMATE AND BASED ON CURRENT DEED AND EXISTING MONUMENTATION.
4. THE INTENT OF THIS PLAN IS TEAR DOWN THE EXISTING HOUSE, REBUILD IN SAME FOOTPRINT WITHIN THE WATERFRONT BUFFER AND EXPAND TO THE BACK; CONSTRUCT GARAGE, DRIVEWAY, & NEW SEPTIC SYSTEM.

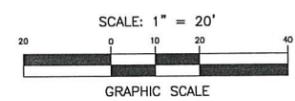
TAX MAP 91 LOT 21
CAROLYN DIETEL
35 CENTRAL PARK DRIVE
HOLYOKE, MA 01040

TAX MAP 91 LOT 17
BEACONWOOD 2012 REALTY TRUST
ELLEN CULLION, TRUSTEE
P.O. BOX 540065
WALTHAM, MA 02454-0065

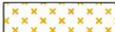
TAX MAP 91 LOT 19
BRETT & AMY KOZLOWSKI
89 LAKE STREET
SHERBORN, MA 01770

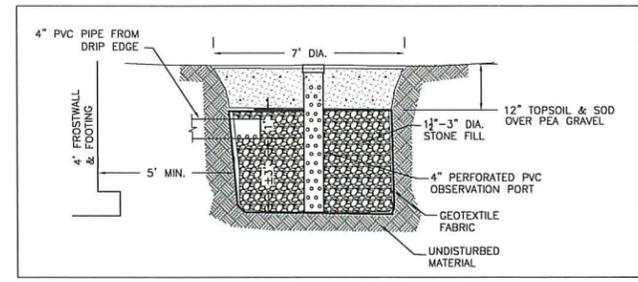
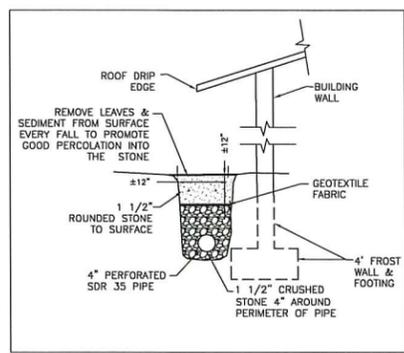


11-28-18	ADD PORCH, REV TREE COUNT & IMPERV AREAS
DATE	REVISION
TAX MAP 91 LOT 22 112 HERRICK COVE LANE NEW LONDON, NH	
EXISTING CONDITIONS PLAN	
PREPARED FOR:	SCOTT STEFFEY P.O. BOX 978 HANOVER, NH 03755
SCALE: 1" = 20'	DATE: 10-26-2018 PROJ. NO. 18-133 SHEET 1 of 1
GREENLINE PROPERTY SERVICES, LLC 54 NORTH ROAD SUNAPEE, NH greenline@myfairpoint.net 603-304-8338	



LEGEND

- APPROX. PROPERTY LINE
- - - BUILDING SETBACK
- - - LAKE REFERENCE LINE
- - - REFERENCE SETBACK LINE
- - - PROPOSED SILT FENCE
- PROPOSED STONE DRIP EDGE
- EXISTING TREELINE
- PROPOSED TREELINE
-  PROPOSED UNALTERED AREA ±8090 S.F.
-  PROPOSED IMPERVIOUS AREAS ±8560 S.F.
-  PROPOSED TEMPORARY IMPACTS FOR CONSTRUCTION ±3500 S.F.



DRYWELL INFILTRATION CALCULATION

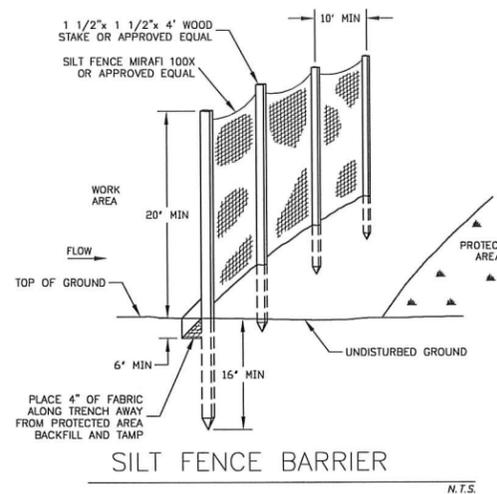
PER NEW LONDON STORMWATER & EROSION CONTROL DESIGN STANDARDS, SECTION 2b-THE INFILTRATION REQUIRED PER STORM IS ONE HALF INCH PER HOUR.

INFILTRATION REQ'D PER STORM (FT)
 = IMPERVIOUS SURFACE (FT²) x 0.5 (INCH/12INCH-FT.
 1/2 ROOF AREA HOUSE = 938 S.F.
 1/2" OF RAIN = 0.042 INCH

938 S.F. x 0.042 FT = 39.4(FT) TO BE RETAINED EACH HALF OF ROOF

VOLUME OF DRYWELL = PI x (3.5' RADIUS) x (3' DEPTH) = 113 (FT³)

ASSUME 40% VOID SPACE IN STONE = 113 FT³ x 0.4 = 46 FT³ RETAINED. IN EACH OF 4 DRYWELLS.

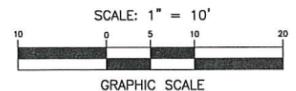


- EROSION CONTROL NOTES:**
1. PRIOR TO ANY LAND DISTURBANCE ACTIVITIES COMMENCING ON THE SITE, THE DEVELOPER SHALL PHYSICALLY MARK LIMITS OF NO LAND DISTURBANCE ON THE SITE WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE, SO WORKERS CAN SEE THE AREAS TO BE PROTECTED. THE PHYSICAL MARKS SHALL BE INSPECTED DAILY BY THE TOWN INSPECTOR.
 2. APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED BY THE TOWN INSPECTOR PRIOR TO SOIL DISTURBANCE. TEMPORARY SEEDING SHALL BE USED TO STABILIZE EXPOSED CRITICAL AREAS DEVELOPMENT WITHIN 14 DAYS OF DISTURBANCE.
 3. SEDIMENT SHALL BE REMOVED ONCE THE VOLUME REACHES 1/8 THE HEIGHT OF THE SILT FENCE OR HAY BALE.
 4. AN AREA OF EXPOSED SOIL IS NOT CONSIDERED STABILIZED UNTIL THERE IS PERMANENT GROWING VEGETATION, SUCH AS GRASS, IF THAT IS THE MEANS TO STABILIZE THE EXPOSED SOIL.
 5. ALL STOCKPILES SHALL BE SURROUNDED BY APPROPRIATE SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE LEFT EXPOSED MORE THAN 7 DAYS OR THEY MUST BE STABILIZED. STOCKPILE SLOPES SHALL NOT BE GREATER THAN 2:1 SLOPES.
 6. A TRACKING PAD SHALL BE CONSTRUCTED AT ALL ENTRANCE/EXIT POINTS OF THE SITE TO REDUCE THE AMOUNT OF SOIL CARRIED ONTO ROADWAYS AND OFF THE SITE.
 7. DUST SHALL BE CONTROLLED AT THE SITE, SUCH AS BY: MINIMIZING SOIL DISTURBANCE, APPLYING MULCH AND ESTABLISHING VEGETATION, WATER SPRAYING, CHLORIDES AND BARRIERS, ETC.
 8. TEMPORARY SEDIMENT TRAPPING DEVICES MUST NOT BE REMOVED UNTIL PERMANENT STABILIZATION IS ESTABLISHED IN ALL CONTRIBUTORY DRAINAGE AREAS. ALL FACILITIES USED AS TEMPORARY MEASURES SHALL BE CLEANED PRIOR TO BEING PUT INTO FINAL OPERATION AND INSPECTED BY THE TOWN INSPECTOR. AREAS TO BE USED AS POST-CONSTRUCTION INFILTRATION PRACTICES SHOULD BE PROTECTED DURING CONSTRUCTION TO PREVENT COMPACTION.
 9. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL STABILIZATION. DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED WITHIN 30 DAYS OF REMOVAL AND INSPECTED BY THE TOWN INSPECTOR.

- GENERAL NOTES:**
1. OWNER OF RECORD: SCOTT STEFFEY, P.O. BOX 978, HANOVER, NH 03755
 2. TAX MAP 91 LOT 22, NEW LONDON, NH. LOT AREA: 1.45. MCRD BK. 3605 PG. 855
 3. BOUNDARY LINES SHOWN ON THIS PLAN ARE APPROXIMATE AND BASED ON CURRENT DEED AND EXISTING MONUMENTATION.
 4. THE INTENT OF THIS PLAN IS TO INSTALL A NEW 4" FROSTWALL FOUNDATION, MOVE THE EXISTING FOOTPRINT BACK 3' FROM THE REFERENCE LINE, EXPAND BEHIND THE 50' WATERFRONT BUFFER, CONSTRUCT NEW GARAGE, DRIVEWAY & SEPTIC SYSTEM.
 5. EXISTING HOUSE FOOTPRINT: 46'x24'+EXIST DECK (104 S.F.)=1208 S.F.
 PROPOSED HOUSE FOOTPRINT: 46'x37'+EXIST DECK (104 S.F.)=1806 S.F.
 1806 S.F.-1208 S.F.= 598 S.F. ADDITION
 598 S.F./1208 S.F./100 = 49.5% ADDITION



DATE		REVISION	
TAX MAP 91 LOT 22 112 HERRICK COVE LANE NEW LONDON, NH			
DRAINAGE & EROSION CONTROL PLAN			
PREPARED FOR:		SCOTT STEFFEY P.O. BOX 978 HANOVER, NH 03755	
SCALE: 1" = 10'	DATE: 12-5-2018	PROJ. NO. 18-133	SHEET 1 of 1
GREENLINE PROPERTY SERVICES, LLC 54 NORTH ROAD SUNAPEE, NH greenline@myfairpoint.net 603-304-8338			



LEGEND

- APPROX. PROPERTY LINE
- BUILDING SETBACK
- LAKE REFERENCE LINE
- REFERENCE SETBACK LINE
- PROPOSED SILT FENCE
- PROPOSED STONE DRIP EDGE
- EXISTING TREELINE
- PROPOSED TREELINE



PROPOSED UNALTERED AREA ±8090 S.F.



PROPOSED IMPERVIOUS AREAS



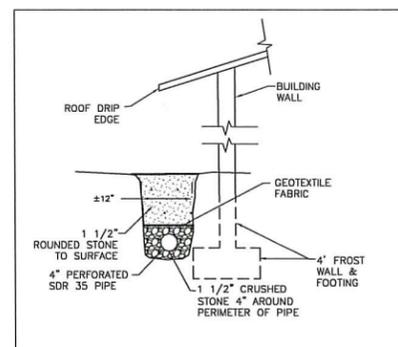
PROPOSED TEMPORARY IMPACTS FOR CONSTRUCTION ±3500 S.F.

PROPOSED UNALTERED AREA CALCULATION

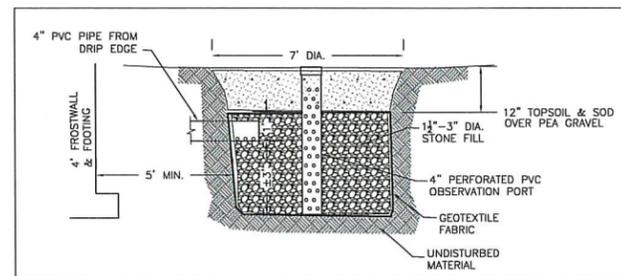
TOTAL AREA 50'-150' ±17550 S.F. (0.40 AC.)
 17550 x (.25) = 4388 S.F.
 PROPOSED UNALTERED AREA REMAINING: ±8090 S.F.

PROPOSED IMPERVIOUS AREA CALCULATION

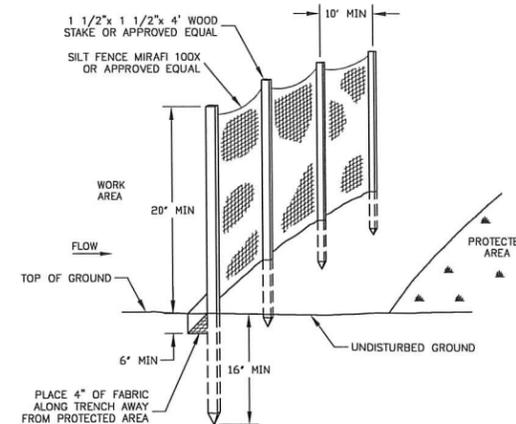
TOTAL LOT AREA: ±1.44 AC
 LOT AREA 0-250': ±44,000 S.F.
 PROPOSED IMPERVIOUS AREA:
 EXIST. ROAD ± 2480 S.F.
 EXIST. PATH ± 485 S.F.
 P-HOUSE & DECK ± 1980 S.F.
 P-GARAGE ± 1180 S.F.
 P-DRIVE & PRKG ± 2045 S.F.
 P-WALK & STEPS ± 400 S.F.
 TOTAL ± 8560 S.F.
 8560 S.F./44000 S.F. = 19.5% LOT COVERAGE



STONE DRIP EDGE DETAIL



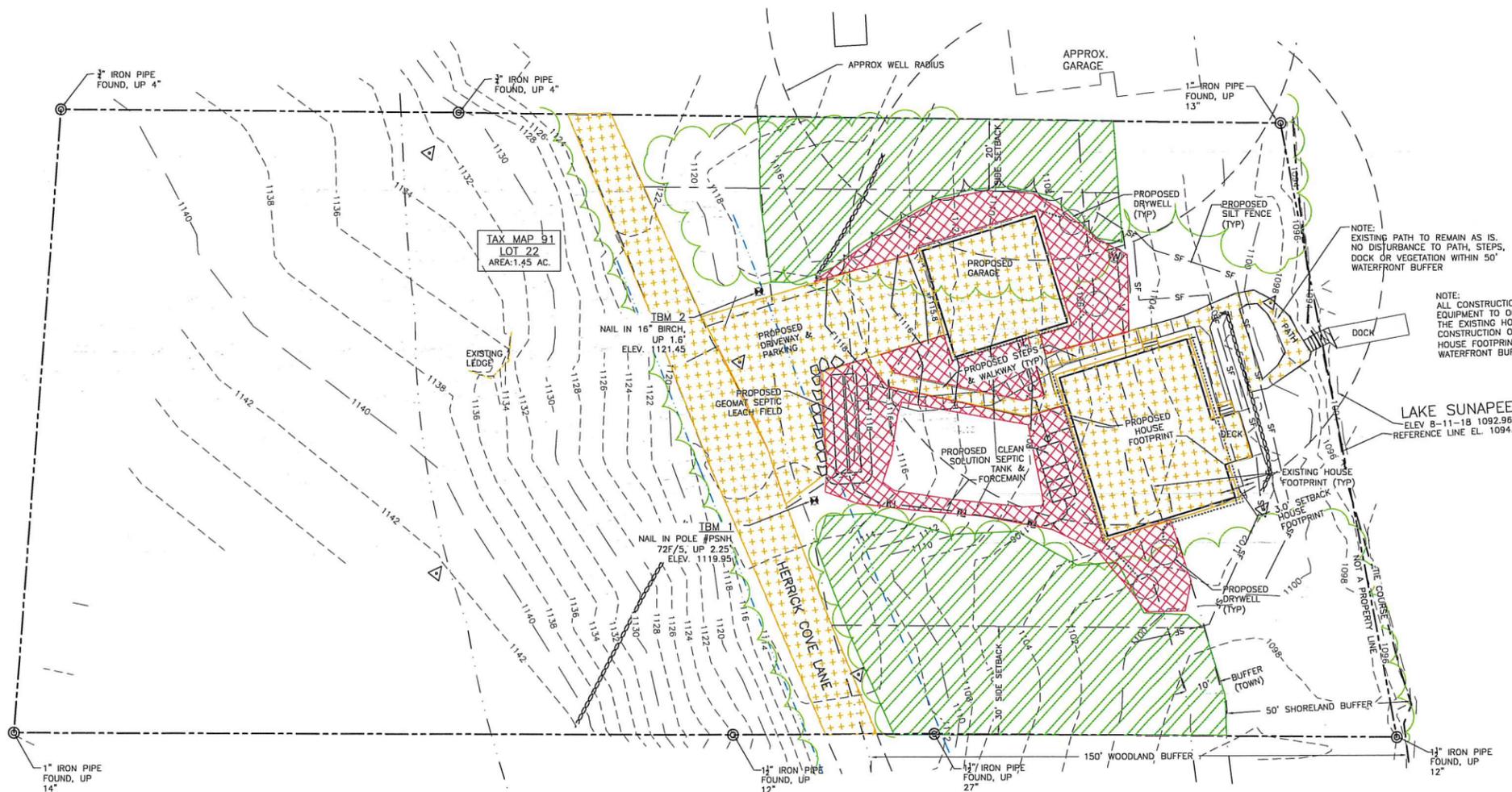
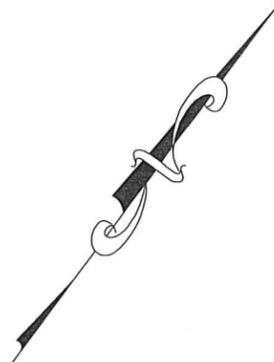
DRYWELL DETAIL



SILT FENCE BARRIER

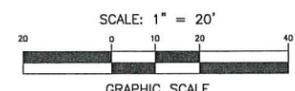
N.T.S.

- NOTES:
- OWNER OF RECORD: SCOTT STEFFEY, P.O. BOX 978, HANOVER, NH 03755
 - TAX MAP 91 LOT 22, NEW LONDON, NH, LOT AREA: 1.45, MCRD BK. 3605 PG. 855
 - BOUNDARY LINES SHOWN ON THIS PLAN ARE APPROXIMATE AND BASED ON CURRENT DEED AND EXISTING MONUMENTATION.
 - THE INTENT OF THIS PLAN IS INSTALL NEW 4" FROSTWALL FOUNDATION, MOVE THE EXISTING FOOTPRINT BACK 3' FROM REFERENCE LINE, EXPAND BEHIND THE 50' WATERFRONT BUFFER, CONSTRUCT GARAGE, DRIVEWAY, & NEW SEPTIC SYSTEM.



NHDES SHORELAND APPROVAL #2018-3350 DATED 12-06-2018

12-5-18	MOVE BLDG. FTRPNT 3' BACK FROM REF. LINE
	REVISE DRYWELL, MISC.
DATE	REVISION
TAX MAP 91 LOT 22 112 HERRICK COVE LANE NEW LONDON, NH	
CSPA SHORELAND COMPLIANCE PLAN	
PREPARED FOR: SCOTT STEFFEY, P.O. BOX 978, HANOVER, NH 03755	
SCALE: 1" = 20'	DATE: 9-5-2018
PROJ. NO. 18-133	SHEET 1 of 1
GREENLINE PROPERTY SERVICES, LLC 54 NORTH ROAD SUNAPEE, NH greenline@myfairpoint.net 603-304-8338	



PROPOSED GARAGE SLAB & HOUSE F.F. EL. ±1106.8

ALL CHAMBERS TO HAVE ACCESS TO FINISH GRADE, 24" MIN. DIAMETER. SEE NOTE #20 FOR ADDITIONAL RISERS DIAMETER SPECIFICATIONS.

ACCESS TO SEPTIC CHAMBER OUTLET BAFFLE TO BE WITHIN 6" OF FINISH GRADE, 12" MIN. DIAMETER.

DISTRIBUTION PIPE & ORIFICE SHIELD

CLEANOUT & DISTAL HEAD PORT

1" SCH 40 PVC PERFORATED DISTRIBUTION PIPE (TYP)

3' FILL EXT.

CROSS SECTION NOT TO SCALE

TEST PIT #1 DATE: 9-7-2018

0"	DARK BROWN (10YR 3/3) LOAMY SAND FILL, GRANULAR, FRIABLE, (POORLY DEVELOPED TOPSOIL LAYER)
6"	BROWN (10YR 4/3) LOAMY SAND FILL, GRANULAR, FRIABLE.
ESHW	VERY DARK BROWN (10YR 2/2) LOAM ORIGINAL TOPSOIL LAYER
46"	BROWN (10YR 4/3) SAND, GRANULAR, FRIABLE
BOTTOM OF HOLE 60"	NO REFUSAL TO DEPTH ESHWT AT 40" ROOTS TO 46" NO SEEPS TO DEPTH

TEST PIT #2 DATE: 9-7-2018

0"	BLUESTONE DRIVEWAY MATERIAL
4"	VERY DARK GRAYISH BROWN (10YR 3/2) LOAMY SAND FILL, GRANULAR, FRIABLE.
25"	VERY DARK BROWN (10YR 2/2) LOAM ORIGINAL TOPSOIL LAYER
38"	DARK REDDISH BROWN (5YR 4/3) LOAMY SAND, GRAVELLY IN PART, GRANULAR, FRIABLE. VERY COBBLY BELOW 38"
BOTTOM OF HOLE 50"	NO REFUSAL TO DEPTH ESHWT AT 40" ROOTS TO 38" NO SEEPS TO DEPTH

PERCOLATION TEST

DATE: 8-4-2017 DAG
DEPTH: 20 in.
RATE: 10 min/in

DESIGN DATA

DESIGN SEWAGE LOADING: 4 BEDROOMS 600 gpd
CLEAN SOLUTION SYSTEM USED
GEOMAT FIELD SIZE REQUIRED: 191 S.F.
LEACH FIELD SIZE PROVIDED: 192.5 S.F. (7.0'x27.5')

DESIGN INTENT

THE BOTTOM OF THE EFFLUENT DISPOSAL AREA SHALL BE CONSTRUCTED AT 1117.2 ELEVATION. THERE ARE APPROX. 1.3 FEET BELOW EXISTING GROUND ON THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL AREA.

SOIL DATA

SOIL TYPE: 550B SKERRY FINE SANDY LOAM, 0-8 SLOPES, VERY STONY
COUNTY: MERRIMACK
SOILS REFERENCE: NRCS WEBSITE

SEPTIC TANK

PROVIDE 3200 GAL. 4 COMPARTMENT CONCRETE SEPTIC TANK AVAILABLE FROM PHOENIX PRECAST, CONCORD, NH OR AS SPECIFIED BY "ADVANCED ON-SITE SOLUTIONS". TANK TO BE SEALCOATED ON THE OUTSIDE TO PREVENT INFILTRATION AND EXFILTRATION.

SEPTIC TANK FILTERS

PROVIDE AN EFFLUENT FILTER AT THE OUTLET OF THE SETTLING CHAMBER AND A SIMTECH STF-100 PRESSURE FILTER, OR EQUAL, AT THE EFFLUENT PUMP OUTLET OF THE PUMP CHAMBER.

DISTRIBUTION BOX

NO DISTRIBUTION BOX TO BE USED WITH THIS SYSTEM

PIPE TO SEPTIC TANK CONNECTIONS

ALL CONNECTIONS BETWEEN SEPTIC TANKS AND PIPES LEADING TO AND EXITING FROM SEPTIC TANKS SHALL BE SEALED WITH A WATERTIGHT FLEXIBLE JOINT CONNECTOR THAT WILL ACCOMMODATE NORMAL MOVEMENT OF THE TANK WITHOUT LEAKING OR BREAKING, SUCH AS, BITUMINOUS OR BUTYL GASKET OR SEALANT.

LEACH FIELD

GEOMAT LEACHING SYSTEMS IS APPROVED BY NHDES AS AN IFA IN ACCORDANCE WITH ENV-WO 102A. THE SYSTEM IS DESIGNED IN ACCORDANCE WITH THE NEW HAMPSHIRE DESIGN MANUAL FOR GEOMAT 600, 1200 & 3900 LEACHING SYSTEMS, DATED APRIL 2017.

KEY INVERT ELEVATIONS
INV. IN SEPTIC TANK= 1103.5
INV. OUT SEPTIC TANK= 1103.25

BOTTOM BED 1117.2
BOTTOM SAND 1116.7

NOTES:

- SYSTEM TO BE INSTALLED IN ACCORDANCE WITH CLEAN SOLUTIONS SYSTEM PROVIDED BY ADVANCED ON-SITE SOLUTIONS, LLC P.O. BOX 248 CANTERBURY, NH 03224 PHONE#603-783-8042 AND LOCAL REGULATIONS.
- PROVIDE MEASURED TIES TO OWNER, ON THE LOCATION OF SEPTIC TANK ACCESS POINTS.
- ANY DISCREPANCIES OR UNUSUAL CONDITIONS SHOULD BE REPORTED TO THE DESIGNER BEFORE CONTINUING WITH THE INSTALLATION.
- CONTRACTOR TO PROTECT SYSTEM FROM CONTAMINATION DURING CONSTRUCTION.
- INSTALLER TO READ AND THOROUGHLY UNDERSTAND THE INSTALLATION HANDBOOK FOR THE STATE OF NEW HAMPSHIRE.
- STRIP TOPSOIL AND REMOVE ANY SURFACE BOULDERS AND TREES ON AREAS WHERE SYSTEM AND FILL SLOPES ARE TO BE PLACED.
- NO DEBRIS, STUMPS OR BRUSH IS PERMISSIBLE UNDER THE BED OR THE SLOPES AREAS.
- TOPSOIL AND SEED OVER LEACH BED AND FILL AREAS WITH GRASS OR SUITABLE GROUND COVER.
- ALL PERFORATED PIPES TO BE LAID LEVEL.
- ENV-WO 1023.01
A) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR.
B) WHEN THE COMBINED THICKNESS OF THE SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
- IF SYSTEM FAILS IT MAY BE REBUILT IN THE SAME LOCATION
- ALL CONFIGURATIONS OF GEOMAT SYSTEMS REQUIRE INSTALLATION ON A 6" BED OF ASTM-33 SAND. ALL OTHER FILL MATERIAL REQUIRED TO RAISE THE FIELD ABOVE THE SEASONAL HIGH WATER TABLE, IMPERVIOUS SUBSTRATUM, OR TO PROVIDE THE REQUIRED SAND AREA FOR A GIVEN SYSTEM CONFIGURATION SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, DREDGING MATERIAL, DEBRIS OR STONES LARGER THAN 6" DIAMETER.
- REMOVE LOOSE MATERIAL AND RAKE ALL SMEARED OR COMPACTED SURFACES TO A DEPTH OF 1 INCH BEFORE THE FILL OR SYSTEM SAND IS PLACED.
- INSTALLER ADVISED TO CONTACT DIG SAFE PRIOR TO CONSTRUCTION.
- DO NOT INSTALL SYSTEM ON FROZEN GROUND OR LEAVE SYSTEM UNCOVERED FOR EXTENDED PERIODS OF TIME.
- NO DRAINS, HOT TUBS, SAUNAS, ETC. SHALL BE INCORPORATED INTO THIS SYSTEM UNLESS OTHERWISE SPECIFIED.
- SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH ENV-WO 1000. "APPROVAL FOR CONSTRUCTION" IS VALID FOR 4 YEARS FROM DATE OF ISSUE.
- NO GARBAGE DISPOSALS SHALL BE USED WITH THIS SYSTEM.
- BOUNDARY INFORMATION ON THIS PLAN IS BASED ON PLAN ENTITLED "PLAN OF LOTS ON HERRICK COVE-LAKE SUNAPEE BELONGING TO LAMSON REALTY CORP." SCALE 1"=50. PREPARED BY HAROLD E. JOHNSON, SURVEYOR, DATED DEC. 1953 & RECORDED IN MCRD PLAN # 1333. ALL PROPERTY MONUMENTATION WAS FIELD LOCATED DURING THIS SURVEY & SHOWN ON PLAN.
- UNLESS OTHERWISE INDICATED ON THE PLAN, THERE ARE NO KNOWN BURIAL SITES OR CEMETERIES WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM.

PUMP CHAMBER SETTINGS

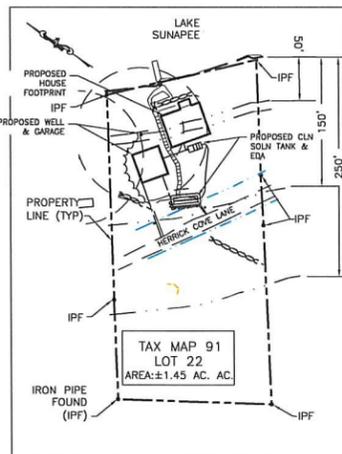
HIGHWATER ALARM = 1000.1
PUMP ON = 1099.6
PUMP OFF = 1099.2
DOSE VOLUME = 40 GAL.
PUMP CHAMBER INSIDE BOTTOM = ±1097.5

PUMP

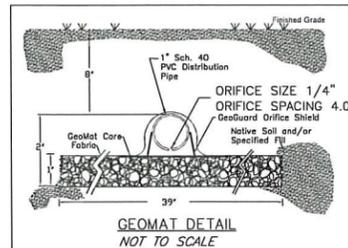
PROVIDE A GOULDS MODEL WE05H EFFLUENT PUMP, 1/2 HORSEPOWER, 115 VOLT, SINGLE PHASE PUMP, WHICH WILL PROVIDE 29 FEET OF HEAD AT 31 GPM, OR EQUIVALENT. INCLUDE A RESIDENTIAL CONTROL PANEL, PILOT FLOAT SWITCHES, FLOAT SWITCH BRACKET AND HIGH WATER ALARM SWITCH. ALARM CIRCUIT SHALL BE SEPARATE FROM PUMP CIRCUIT. AN EVENT COUNTER AND ELAPSED TIME RUN METER FOR PUMP IS RECOMMENDED.
PUMP TO BE PLACED ON A 12" CONCRETE BLOCK. ALL PRESSURE PIPING TO BE SCH40 PRESSURE PIPE AND FITTINGS. INSULATE FORCEMAIN WITH 2" BLUEBOARD INSULATION WHERE LESS THAN 4" OF COVER.
INSTALL SIMTECH STF-100 PRESSURE FILTER. PROVIDE 1/4" WEEPHOLE IN BOTTOM OF SIMTECH FILTER TO ALLOW FORCEMAIN TO DRAIN BETWEEN CYCLES.
INSTALL GLOBE VALVE AND ADJUST GLOBE VALVE TO CONTROL FOR ADDITIONAL 2' WATER COLUMN AT DISTAL END OF DISTRIBUTION PIPE.
CONTRACTOR TO PROVIDE EFFLUENT PUMP AND ALL APPURTENANCES.

NOT TO SCALE

LONGITUDINAL SECTION NOT TO SCALE



PLOT PLAN SCALE 1"=100'



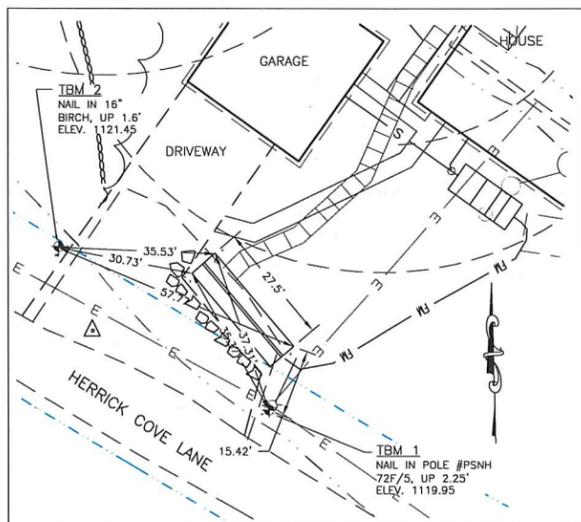
GEOMAT DETAIL NOT TO SCALE

TEST PIT #3 DATE: 10-23-18

0"	VERY DARK BROWN (10YR 2/2) LOAM, GRANULAR, FRIABLE, TOPSOIL
6"	VERY DARK GRAYISH BROWN (10YR 3/2) LOAMY SAND, GRANULAR, FRIABLE.
ESHW	DARK GRAYISH BROWN (10YR 4/2) LOAMY SAND, HEAVY BULKY, SLIGHTLY FIRM, FEW FAINT MOTTLES
30"	GRAY (10YR 5/1) SAND, GRAVELLY IN PART, PLATY, FIRM, ABUNDANT MOTTLING BELOW 30"
BOTTOM OF HOLE 36"	NO REFUSAL TO DEPTH ESHWT AT 18" ROOTS TO 24" NO SEEPS TO DEPTH

TEST PIT #4 DATE: 10-23-2018

0"	PALE BROWN (10YR 6/1) SAND FILL, GRANULAR, FRIABLE
6"	BROWN (10YR 4/3) SAND FILL, LOAMY IN PART, GRANULAR, FRIABLE
38"	BROWN (10YR 4/3) LOAMY SAND FILL, WEAK PLATY, FRIABLE
BOTTOM OF HOLE 50"	NO REFUSAL TO DEPTH ESHWT AT 18" GRASS ROOTS TO 10" NO SEEPS TO DEPTH

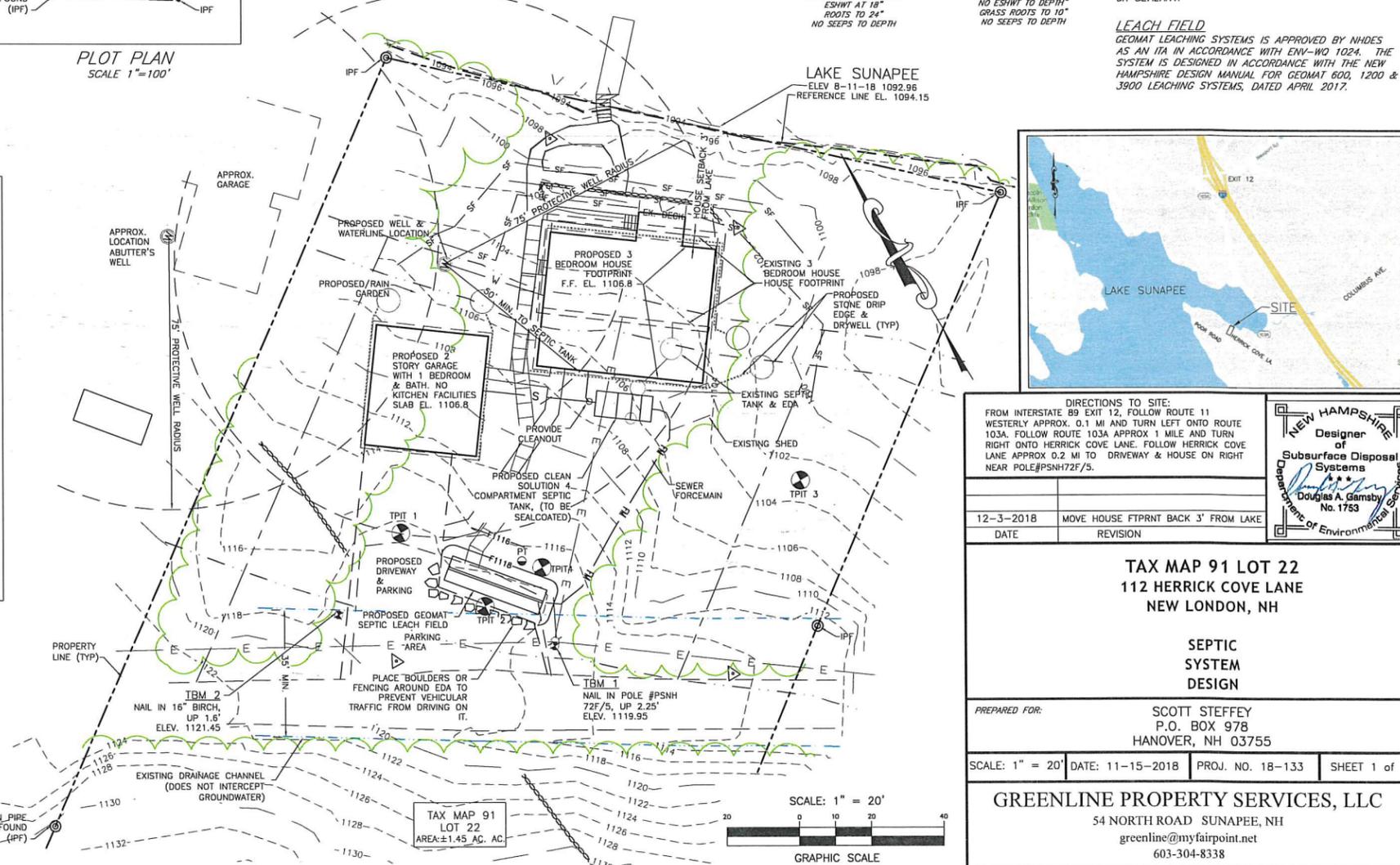


TIE POINTS PLAN SCALE 1"=20'

LOT LOADING CALC.

TOTAL LOT AREA= ±1.44 AC.
MINUS WELL RADIUS= ±0.41 AC.
TOTAL USABLE AREA = ±1.03 AC.

LOT LOADING = Q/2000 x FACTOR
Q= 600 GPD (4 BDRM)
GROUP 3 SOIL "B" SLOPE FACTOR = 1.43
600/2000 x 1.43 = 0.43 AC MIN.



SCALE: 1" = 20'

GRAPHIC SCALE

DIRECTIONS TO SITE:
FROM INTERSTATE 89 EXIT 12, FOLLOW ROUTE 11 WESTERLY APPROX. 0.1 MI AND TURN LEFT ONTO ROUTE 103A. FOLLOW ROUTE 103A APPROX 1 MILE AND TURN RIGHT ONTO HERRICK COVE LANE. FOLLOW HERRICK COVE LANE APPROX 0.2 MI TO DRIVEWAY & HOUSE ON RIGHT NEAR POLE#PSNH72F/5.

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Douglas A. Gansby No. 1753 Department of Environmental Services

12-3-2018	MOVE HOUSE FTRPT BACK 3' FROM LAKE
DATE	REVISION

TAX MAP 91 LOT 22
112 HERRICK COVE LANE
NEW LONDON, NH

SEPTIC SYSTEM DESIGN

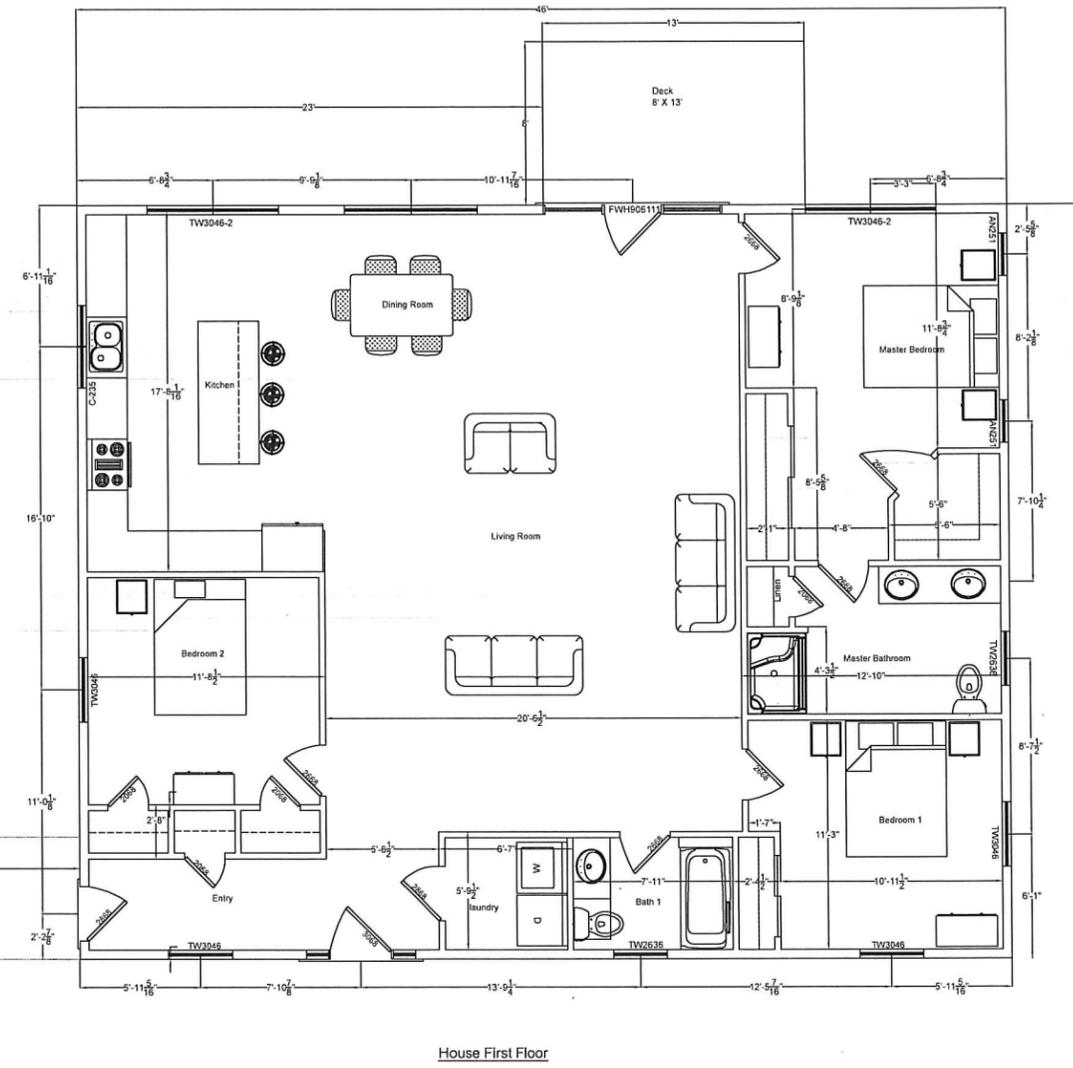
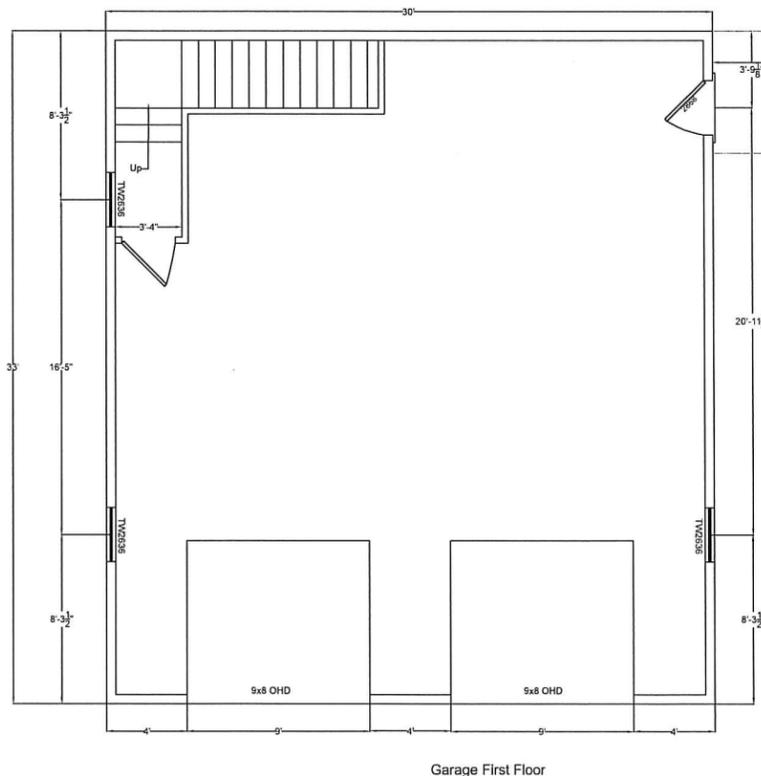
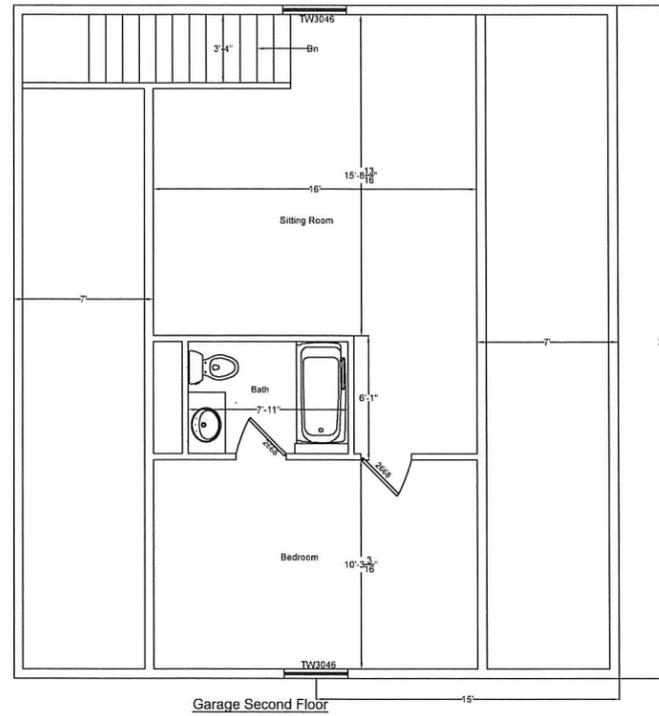
PREPARED FOR: SCOTT STEFFEY
P.O. BOX 978
HANOVER, NH 03755

SCALE: 1" = 20' DATE: 11-15-2018 PROJ. NO. 18-133 SHEET 1 of 1

GREENLINE PROPERTY SERVICES, LLC
54 NORTH ROAD SUNAPEE, NH
greenline@myfairpoint.net
603-304-8338

REVIEWED AND APPROVED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES WATER DIVISION

Date: 12/17/2018
#cA2018121707



NOTE
 It is Anticipated That 75 - 80 %
 Of The Existing Walls Will Be Removed
 & Replaced After Backfill

General Notes

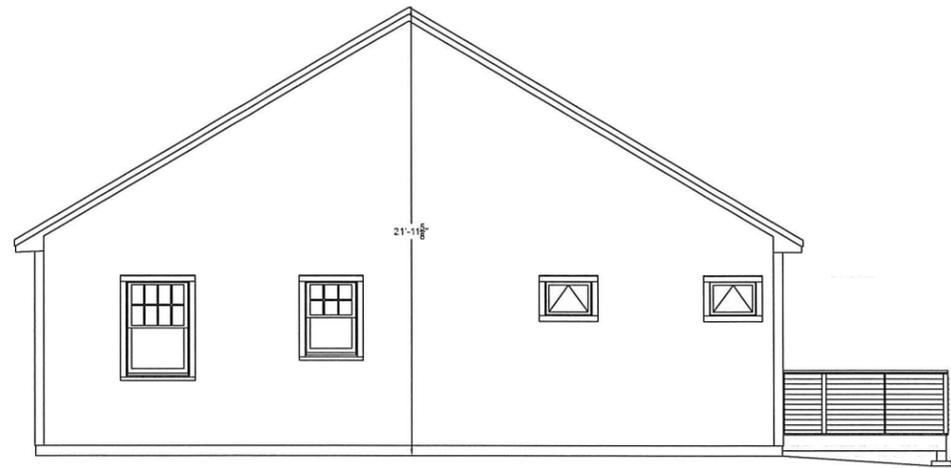
Steffey Home

112 Herrick Cove Lane
 NewLondon, NH

Lane River Design
 P.O. Box 207
 Newbury, NH 03255
 603-763-3200
 laneriverdesign@gmail.com

Project Name and Address
 Garage Elevations

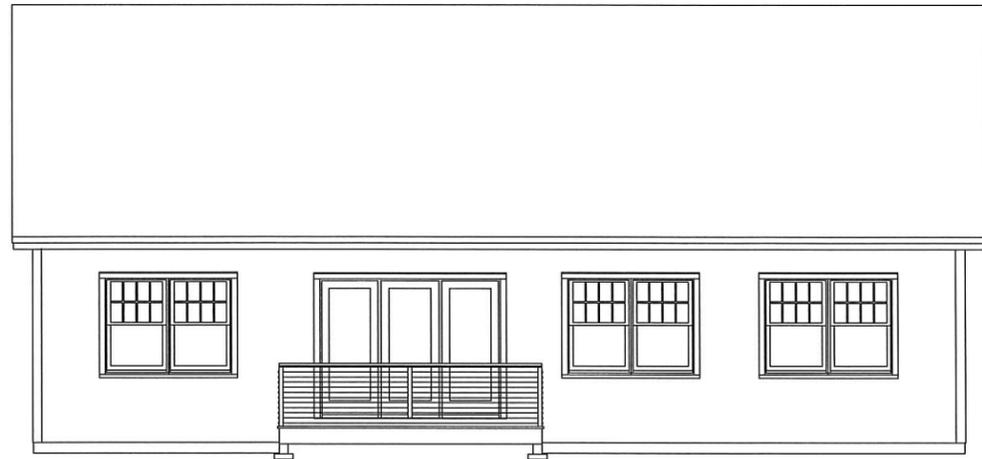
Project	Sheet
Date 1-4-19	A1
Scale 1/4" = 1'	



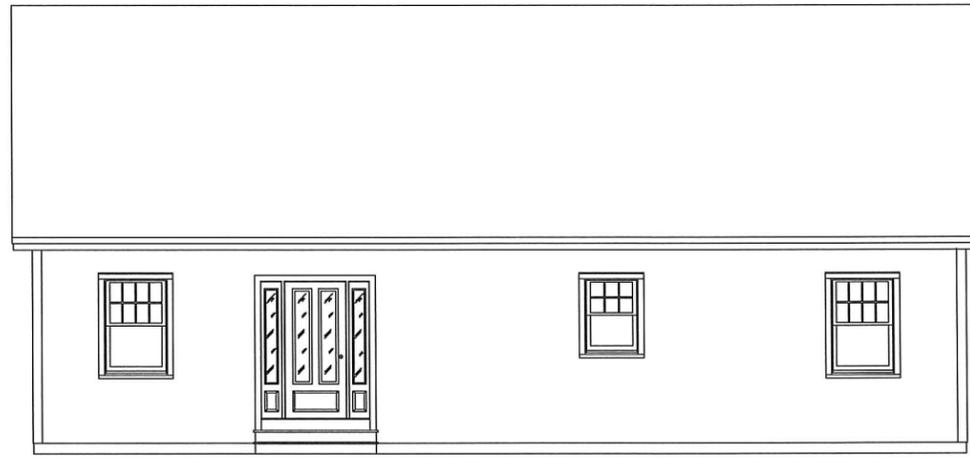
Right Elevation



Left Elevation



Rear Elevation



Front Elevation

General Notes

Steffey Home

112 Herrick Cove Lane

New London, NH

Lane River Design
 P.O. Box 207
 Newbury, NH 03255
 603-763-3200
 laneriverdesign@gmail.com

Project Name and Address

House Elevations

Project

Sheet

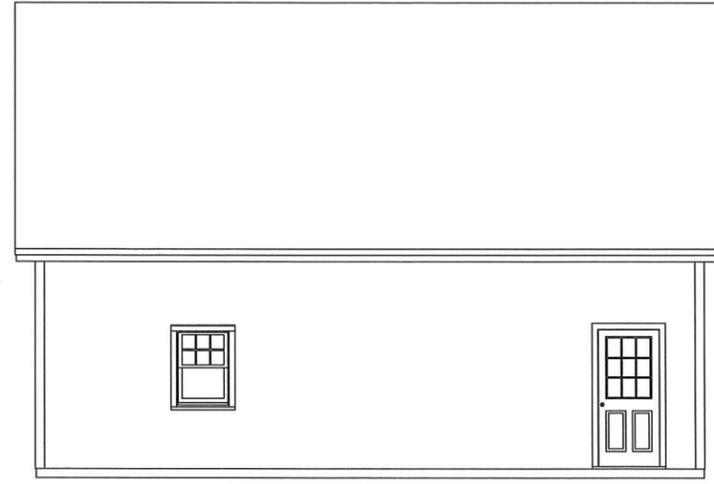
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1-4-19

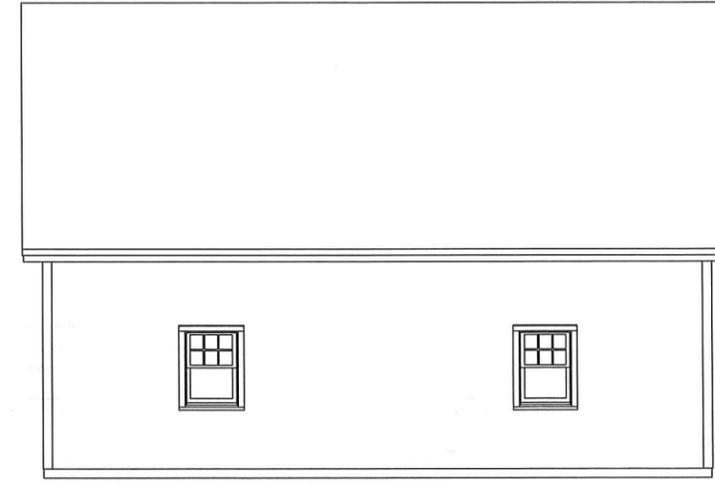
A2

Scale

1/4" = 1'



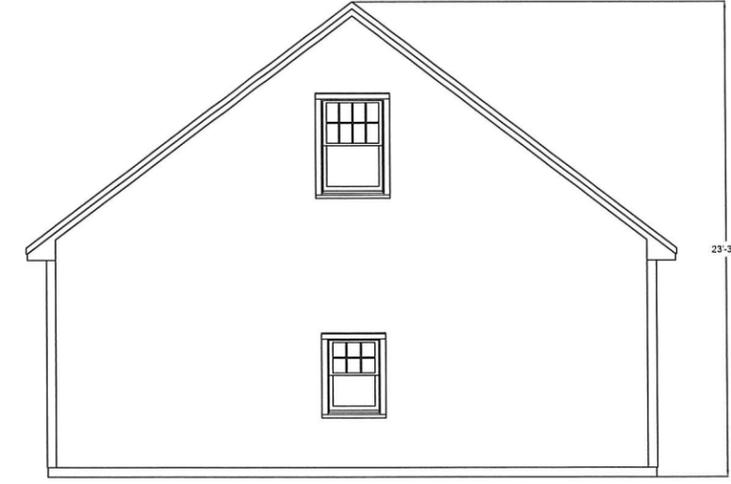
Right Elevation



Left Elevation



Front Elevation



Rear Elevation

General Notes

Steffey Home

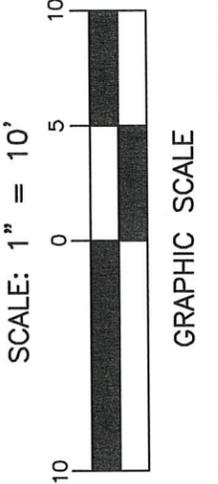
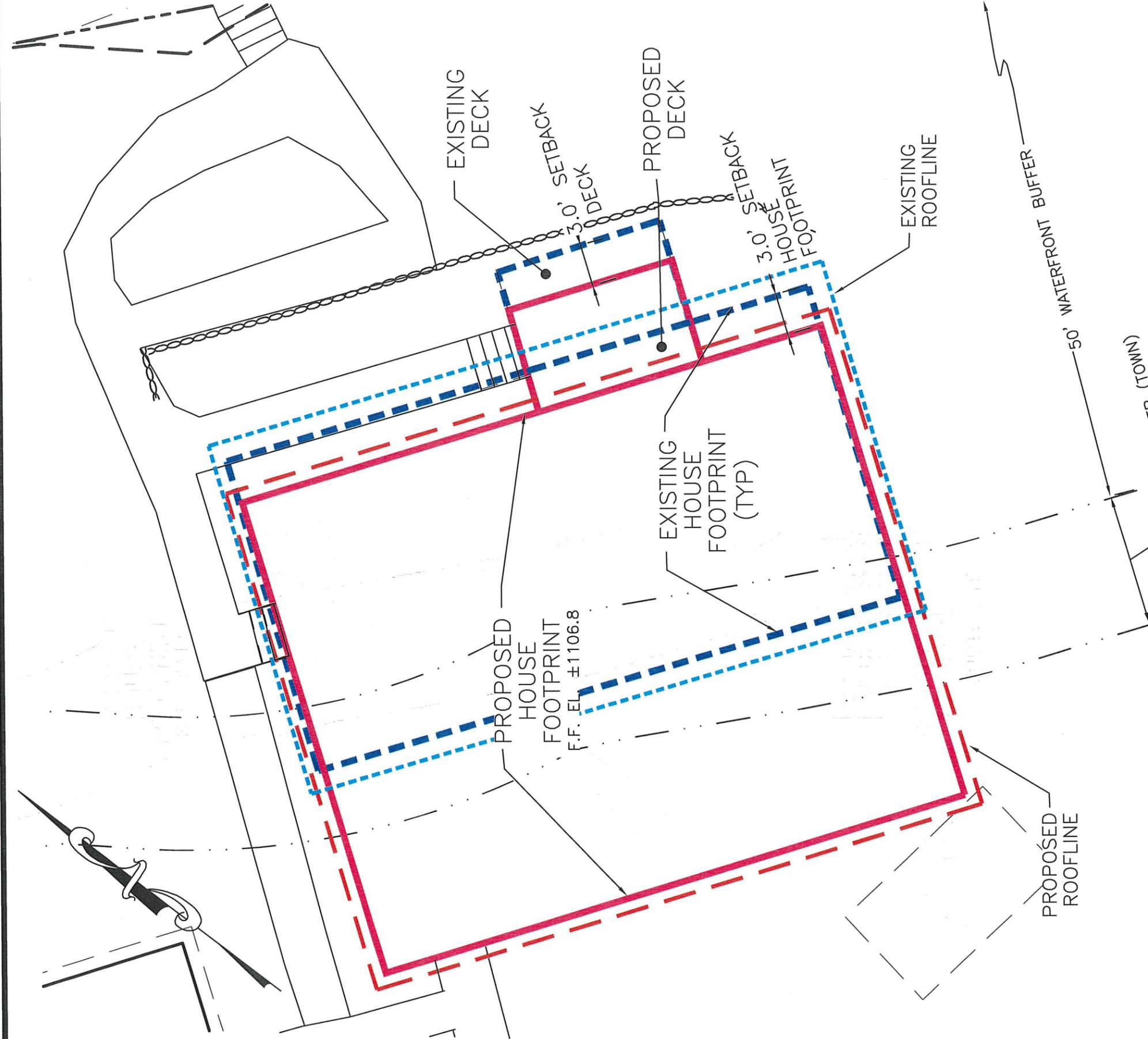
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Project Name and Address

Garage Elevations

Project	Sheet
Date 1-4-19	A3
Scale 1/4" = 1'	



PREPARED FOR SCOTT STEFFEY
 P.O. BOX 978
 HANOVER, NH 03755
 DATED JAN. 28, 2019
 SHEET 1 of 1

REVISED JAN. 29, 2019
 ADD EXISTING ROOFLINE

TAX MAP 91 LOT 22
112 HERRICK COVE LANE
NEW LONDON, NH

EXISTING & PROPOSED HOUSE FOOTPRINT

GREENLINE PROPERTY SERVICES, LLC
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 SHEET 1 of 1
 JOB# 18-133