

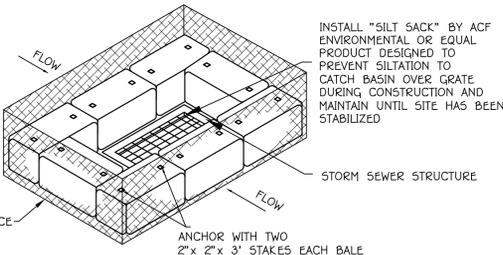
LEACHING FIELD X-SECTION A-A
SCALE: 1"=10' HORIZ.
1"=4" VERT.

TEST HOLE DATA
DATE: 3-21-19
PRESENT: FERN TREMBLAY, STUART FAIRBANK, SONIA MARINO, SHIRLEY MICKENS

TH 1
0-6" TS (FILL)
6-19" GREY BROWN MEDIUM SAND & GRAVEL (FILL)
19-28" BLACK ORGANIC MUCK

TH 2
0-6" TS
6-24" ORANGE BROWN FINE SANDY LOAM

WATER AT 16". NO MOTTLING, NO LEDGE



HAYBALE INSTALLATION AT CATCH BASINS
N.T.S.

MAINTENANCE SCHEDULE

SHORT TERM (DURING CONSTRUCTION)

PERIMETER EROSION CONTROL DEVICES (SILT FENCES) ARE TO BE INSPECTED AFTER EACH SIGNIFICANT RAINFALL AND REPAIRED OR REPLACED AS NECESSARY TO FUNCTION AS ORIGINALLY INTENDED. IN GENERAL, DAILY INSPECTIONS ARE TO BE MADE IN THE COURSE OF ON-SITE CONSTRUCTION ACTIVITIES AND ANY NECESSARY REPAIRS ARE TO BE EFFECTIVE.

1. THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL SHALL GOVERN THE INSTALLATION AND REPAIR OF ALL EROSION CONTROL MEASURES.

2. ALL SEDIMENT CONTROL DEVICES REMOVED FROM ANY OF THE STORMWATER MANAGEMENT CONTROL DEVICES AFTER PAVING WILL BE DISPOSED OF IN ACCORDANCE WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION GUIDELINES GOVERNING SUCH ACTION.

3. EACH AREA OF THE SITE, AS COMPLETED, WILL BE GRADED AND STABILIZED WITH PERMANENT VEGETATION IN ACCORDANCE WITH THE APPROVED SITE PLAN.

LONG TERM STORMWATER MAINTENANCE

1. ALL DRAINAGE SYSTEMS ON THE SITE ARE TO BE INSPECTED EVERY TWO MONTHS OR MORE FREQUENTLY AS CONDITIONS DICTATE. INSPECTION WILL CONSIST OF THE FOLLOWING ITEMS AS A MINIMUM:

A. YARD DRAIN SHELTERS
B. PIPE OUTLETS

2. LONG TERM MAINTENANCE IS INTENDED TO PREVENT TRANSPORT OF SEDIMENTS INTO THE DRAINAGE SYSTEM THROUGH ADHERENCE TO THE FOLLOWING PROCEDURES:

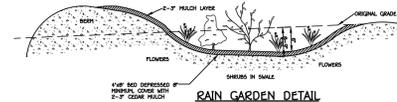
A. YARD DRAIN SUMP TO BE CLEANED WHEN THE LEVEL OF SEDIMENT THEREIN REACHES ONE FOOT BELOW THE INVERT OF THE EXIT PIPE.
B. YARD DRAIN SUMP SHALL BE CLEANED OF ALL DEBRIS, SUCH AS PAPER, STICKS, LITTER, ETC. WHENEVER THESE ITEMS ARE FOUND.

PRE-CONSTRUCTION MEETING

PRIOR TO THE INITIATION OF ANY WORK ON SITE, ALL SUBCONTRACTORS SHALL MEET ON SITE WITH THE ENGINEER AND TOWN REPRESENTATIVE TO GAIN AN UNDERSTANDING OF THE SITE AND THE CONTRACTOR SHALL ALSO BE INFORMED OF THE VARIOUS CONDITIONS AND CONSTRUCTION TECHNIQUES REQUIRED.

THE FOLLOWING INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR AT THE TIME OF THE MEETING:

1. CURRENT PLANS OF EACH ITEM OR TASK TO BE COMPLETED BY THE CONTRACTOR.
2. COPIES OF TOWN, HEALTH DEPARTMENT AND STATE APPROVALS.
3. ANY OTHER INFORMATION NECESSARY TO INFORM THE CONTRACTOR OF HIS RESPONSIBILITIES.
4. CONTACT PERSONS AND TELEPHONE NUMBERS TO CALL FOR INSTRUCTIONS IN CASE OF QUESTIONS OR PROBLEMS.



RAIN GARDEN DETAIL
NOT TO SCALE

GENERAL SEDIMENTATION AND EROSION CONTROL MEASURES

1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL BY THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED MAY 2002 AND IN ACCORDANCE WITH THESE PLANS.

2. MAINTENANCE OF EROSION CONTROL MEASURES FOR PROTECTION OF ALL PARKING AREAS, DRAINAGE FACILITIES AND MAJOR SITE WORK SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR HIS ASSIGNEE.

3. ALL EROSION CONTROL BARRIERS WILL BE INSPECTED BY THE TOWN AND ADDITIONAL MEASURES SHALL BE INSTALLED DURING CONSTRUCTION IF DEEMED NECESSARY BY THE TOWN OR ITS AUTHORIZED AGENT.

4. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION UNLESS OTHERWISE SPECIFIED.

5. LIMITS OF DISTURBANCE OF NATURAL GROUND COVER FOR ALL SITE IMPROVEMENTS IS TO BE KEPT TO AN ABSOLUTE MINIMUM DURING CONSTRUCTION.

6. EROSION CONTROL BARRIERS ARE TO BE PLACED DOWNHILL OF ALL CONSTRUCTION IN ACCORDANCE WITH THESE PLANS.

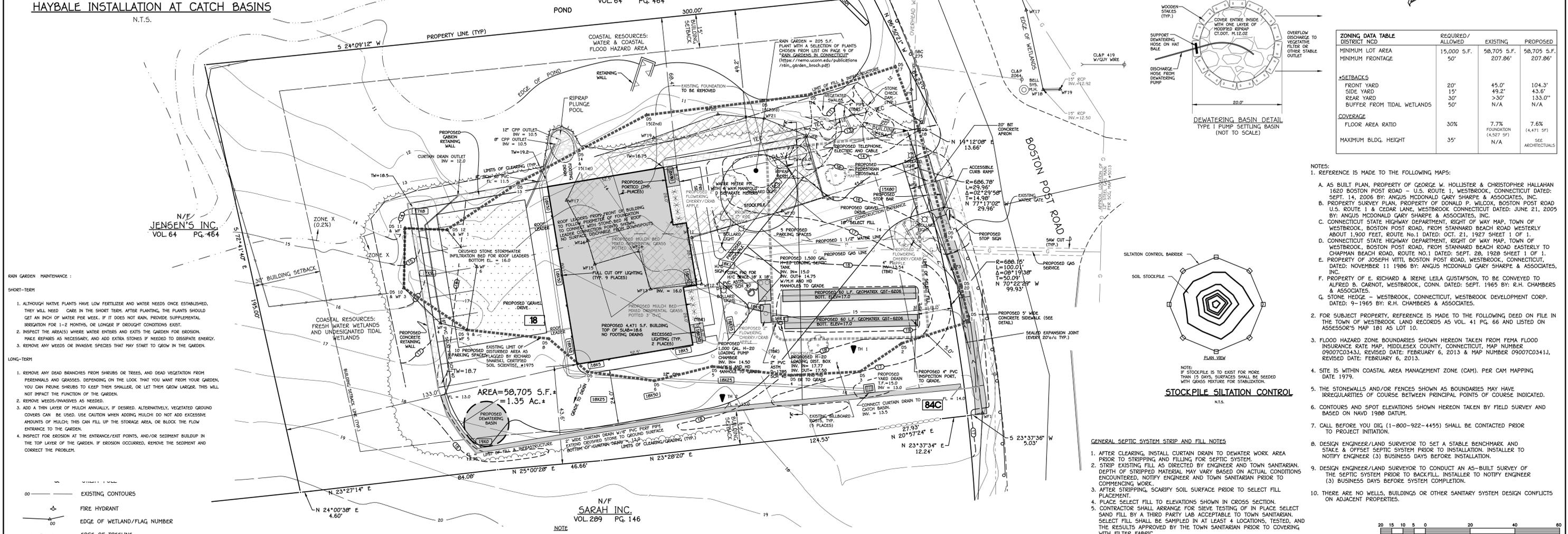
7. DEVELOPER WILL MAINTAIN A 100-FOOT ROLL OF SILT FENCE ON SITE FOR ANY EMERGENCY OR REPAIRS.

8. EROSION AND SEDIMENTATION BARRIERS SHALL BE MAINTAINED UNTIL VEGETATION COVER IS ESTABLISHED. ALL DISTURBED AREAS REQUIRING REVEGETATION SHALL BE GRADED, LOANED AND SEEDED AT THE EARLIEST POSSIBLE TIME TO PREVENT EROSION PROBLEMS.

9. THE SITE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN TO ENSURE THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES ARE STILL WORKING PROPERLY. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.

LOCATION MAP
SCALE: 1"=1000'

ZONING DATA TABLE	REQUIRED/ALLOWED	EXISTING	PROPOSED
DISTRICT NCD			
MINIMUM LOT AREA	15,000 S.F.	58,705 S.F.	58,705 S.F.
MINIMUM FRONTAGE	50'	207.86'	207.86'
SETBACKS			
FRONT YARD	20'	45.0'	104.3'
SIDE YARD	15'	49.2'	43.6'
REAR YARD	30'	>30'	133.00'
BUFFER FROM TIDAL WETLANDS	50'	N/A	N/A
COVERAGE			
FLOOR AREA RATIO	30%	7.7%	7.6%
		FOUNDATION (4,527 SF)	562 ARCHITECTUALS
MAXIMUM BLDG. HEIGHT	35'	N/A	4



RAIN GARDEN MAINTENANCE:

SHORT-TERM

1. ALTHOUGH NATIVE PLANTS HAVE LOW FERTILIZER AND WATER NEEDS ONCE ESTABLISHED, THEY WILL NEED CARE IN THE SHORT TERM. AFTER PLANTING, THE PLANTS SHOULD GET AN INCH OF WATER PER WEEK. IF IT DOES NOT RAIN, PROVIDE SUPPLEMENTAL IRRIGATION FOR 1-2 MONTHS, OR LONGER IF GROWTH CONDITIONS EXIST.

2. INSPECT THE AREAS WHERE WATER ENTERS AND EXITS THE GARDEN FOR EROSION. MAKE REPAIRS AS NECESSARY, AND ADD EXTRA STONES IF NEEDED TO DISSIPATE ENERGY.

3. REMOVE ANY WEEDS OR INVASIVE SPECIES THAT MAY START TO GROW IN THE GARDEN.

LONG-TERM

1. REMOVE ANY DEAD BRANCHES FROM SHRUBS OR TREES, AND DEAD VEGETATION FROM PERENNIALS AND GRASSES, DEPENDING ON THE LOOK THAT YOU WANT FROM YOUR GARDEN. YOU CAN PRUNE SHRUBS TO KEEP THEM SMALLER, OR LET THEM GROW LARGER. THIS WILL NOT IMPACT THE FUNCTION OF THE GARDEN.

2. REMOVE WEEDS/INVASIVES AS NEEDED.

3. ADD A THIN LAYER OF MULCH ANNUALLY, IF DESIRED. ALTERNATIVELY, VEGETATED GROUND COVERS CAN BE USED. USE CAUTION WHEN ADDING MULCH; DO NOT ADD EXCESSIVE AMOUNTS OF MULCH; THIS CAN FILL UP THE STORAGE AREA, OR BLOCK THE FLOW ENTRANCE TO THE GARDEN.

4. INSPECT FOR EROSION AT THE ENTRANCE/EXIT POINTS, AND/OR SEDIMENT BUILDUP IN THE TOP LAYER OF THE GARDEN. IF EROSION OCCURRED, REMOVE THE SEDIMENT AND CORRECT THE PROBLEM.

- EXISTING CONTOURS
- FIRE HYDRANT
- EDGE OF WETLAND/FLAG NUMBER
- EDGE OF TREELINE
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- TBR TO BE REMOVED
- SOIL TYPE BOUNDARY
- SOIL TYPE SYMBOL
- PROPOSED TELEPHONE, ELECTRIC, CABLE LINE
- PROPOSED WATER LINE
- PROPOSED GAS LINE
- DEEP TEST HOLE LOCATION
- EDGE OF DISTURBED SOIL/FLAG NUMBER
- GRADE TO DRAIN

I HAVE REVIEWED THE WETLANDS BOUNDARIES AS SHOWN ON THIS PLAN AND AM OF THE OPINION THAT THEY REPRESENT THE SOIL BOUNDARIES MARKED BY ME IN THE FIELD.

Richard Snarski
RICHARD SNARSKI, CERTIFIED SOIL SCIENTIST, #1975 DATE 2/29/2016

I HAVE REVIEWED THE WETLANDS BOUNDARIES AS SHOWN ON THIS PLAN AND AM OF THE OPINION THAT THEY REPRESENT THE SOIL BOUNDARIES MARKED BY ME IN THE FIELD.

Richard Snarski
RICHARD SNARSKI, CERTIFIED SOIL SCIENTIST, #1975 DATE 8/16/2019

NOTE

ANY MODIFICATIONS TO THE LOCATION OR ELEVATION OF THE SEPTIC SYSTEM COMPONENTS SHOWN HEREON (INCLUDING CURTAIN DRAINS IF SHOWN) ARE SUBJECT TO THE WRITTEN APPROVAL OF THE DESIGN ENGINEER. THE DESIGN ENGINEER WILL NOT BE RESPONSIBLE FOR ANY CHANGES MADE WITHOUT SUCH WRITTEN APPROVAL.

STUART J. FAIRBANK
CONN. P.E. #20206

BOUNDARY LINES OF ADJOINING PROPERTIES ARE SHOWN FOR GENERAL INFORMATION PURPOSES ONLY AND ARE NOT TO BE CONSTRUED AS BEING ACCURATELY LOCATED OR DEPICTED.

©2016 - ANGUS McDONALD / GARY SHARPE & ASSOCIATES, INC.

THESE DRAWINGS ARE THE PROPERTY OF ANGUS McDONALD/GARY SHARPE & ASSOCIATES, INC. AND HAVE BEEN SPECIFICALLY PREPARED FOR THE OWNER OF THIS PROJECT OR PROPERTY. THEY ARE NOT TO BE REPRODUCED OR USED IN PART OR WHOLE FOR ANY OTHER PURPOSE, PROJECT, LOCATION OR OWNER WITHOUT THE EXPRESS WRITTEN CONSENT OF ANGUS McDONALD/GARY SHARPE & ASSOCIATES, INC.

THE WORD "CERTIFY," AS USED IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE ENGINEER OR SURVEYOR. IT IS A DECLARATORY STATEMENT WHICH IS BASED ON HIS BEST KNOWLEDGE, INFORMATION AND BELIEF, AS SUCH IT CONSTITUTES NEITHER GUARANTEE NOR WARRANTY, EXPRESSED OR IMPLIED, OF ANY INFORMATION CONTAINED HEREON. NO CERTIFICATION IS EXPRESSED OR IMPLIED ON ANY ORIGINAL OR ANY DUPLICATE OF THIS PLAN UNLESS IT BEARS AN ORIGINAL STAMP OR SEAL AND ORIGINAL SIGNATURE OF THE INDIVIDUAL, WHOSE REGISTRATION NUMBER APPEARS HEREON.

CERTIFICATION NOTES:

1. THIS SURVEY PLAN HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 30-302b THROUGH 30-302d AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

2. TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY

3. BOUNDARY DETERMINATION: RESURVEY

4. THIS SURVEY CONFORMS TO THE STANDARDS AND ACCURACY OF CLASS A-2, T-2

ANGUS L. McDONALD JR.
CONN. L.S. #70173

LAND & MARINE SURVEYING

ANGUS McDONALD GARY SHARPE & ASSOCIATES, INC.
SINCE 1966

P.O. BOX 608, 233 BOSTON POST ROAD
OLD SAYBROOK, CONNECTICUT 06475
TEL. (860) 388-4871 FAX (860) 388-3982

SITE DEVELOPMENT PLAN
PROPERTY OF
LYMAN DEVELOPMENT CORP.

1660 BOSTON POST ROAD
WESTBROOK, CONNECTICUT

DATE: JUNE 7, 2016 SCALE: 1"=20'
DRN TRN CK'D APP'D
SHEET 1 OF 2 JOB NO. 168185

REVISIONS: 7-18-19 TOWN SANITARIAN COMMENTS 8-9-19 STATE HEALTH DEPT 9-3-2019 WETLANDS UPDATE & ORIGINAL REVISIONS 10-1-2019 UPDATED 10-8-19 REVISED PER COMMENTS 12-3-19-20 COASTAL RESOURCES 3-5-20 DRAIN FEAT-11-20 BLDG. MAIN PLANTS



COASTAL SITE PLAN

- NOTES:**
- REFERENCE IS MADE TO THE FOLLOWING MAPS:
 - AS BUILT PLAN, PROPERTY OF GEORGE W. HOLLISTER & CHRISTOPHER HALLAHAN 1620 BOSTON POST ROAD - U.S. ROUTE 1, WESTBROOK, CONNECTICUT DATED: SHEET 14, 2006 BY: ANGUS McDONALD GARY SHARPE & ASSOCIATES, INC.
 - PROPERTY SURVEY PLAN, PROPERTY OF DONALD P. WILCOX, BOSTON POST ROAD U.S. ROUTE 1 & CEDAR LANE, WESTBROOK, CONNECTICUT DATED: JUNE 21, 2005 BY: ANGUS McDONALD GARY SHARPE & ASSOCIATES, INC.
 - CONNECTICUT STATE HIGHWAY DEPARTMENT, RIGHT OF WAY MAP, TOWN OF WESTBROOK, BOSTON POST ROAD, FROM STANNARD BEACH ROAD WESTERLY ABOUT 1,900 FEET, ROUTE No.1 DATED: OCT. 21, 1927 SHEET 1 OF 1.
 - CONNECTICUT STATE HIGHWAY DEPARTMENT, RIGHT OF WAY MAP, TOWN OF WESTBROOK, BOSTON POST ROAD, FROM STANNARD BEACH ROAD WESTERLY TO CHAPMAN BEACH ROAD, ROUTE No.1 DATED: SEPT. 28, 1928 SHEET 1 OF 1.
 - PROPERTY OF JOSEPH VITTI, BOSTON POST ROAD, WESTBROOK, CONNECTICUT, DATED: NOVEMBER 11 1986 BY: ANGUS McDONALD GARY SHARPE & ASSOCIATES, INC.
 - PROPERTY OF E. RICHARD & IRENE LEILA GUSTAFSON, TO BE CONVEYED TO ALFRED B. CARNOT, WESTBROOK, CONN. DATED: SEPT. 1965 BY: R.H. CHAMBERS & ASSOCIATES.
 - STONE HEDGE - WESTBROOK, CONNECTICUT, WESTBROOK DEVELOPMENT CORP. DATED: 9-1965 BY: R.H. CHAMBERS & ASSOCIATES.
 - FOR SUBJECT PROPERTY, REFERENCE IS MADE TO THE FOLLOWING DEED ON FILE IN THE TOWN OF WESTBROOK LAND RECORDS AS VOL. 41 PG. 66 AND LISTED ON ASSESSOR'S MAP 181 AS LOT 10.
 - FLOOD HAZARD ZONE BOUNDARIES SHOWN HEREON TAKEN FROM FEMA FLOOD INSURANCE RATE MAP, MIDDLESEX COUNTY, CONNECTICUT, MAP NUMBER 09007C0343J, REVISED DATE: FEBRUARY 6, 2013 & MAP NUMBER 09007C0341J, REVISED DATE: FEBRUARY 6, 2013.
 - THE SITE IS WITHIN COASTAL AREA MANAGEMENT ZONE (CAM). PER CAM MAPPING DATE 1979.
 - THE STONEWALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES OF COURSE BETWEEN PRINCIPAL POINTS OF COURSE INDICATED.
 - CONTOURS AND SPOT ELEVATIONS SHOWN HEREON TAKEN BY FIELD SURVEY AND BASED ON NAVD 1988 DATUM.
 - CALL BEFORE YOU DIG (1-800-922-4455) SHALL BE CONTACTED PRIOR TO PROJECT INITIATION.
 - DESIGN ENGINEER/LAND SURVEYOR TO SET A STABLE BENCHMARK AND STAKE & OFFSET SEPTIC SYSTEM PRIOR TO INSTALLATION. INSTALLER TO NOTIFY ENGINEER (3) BUSINESS DAYS BEFORE INSTALLATION.
 - DESIGN ENGINEER/LAND SURVEYOR TO CONDUCT AN AS-BUILT SURVEY OF THE SEPTIC SYSTEM PRIOR TO BACKFILL. INSTALLER TO NOTIFY ENGINEER (3) BUSINESS DAYS BEFORE SYSTEM COMPLETION.
 - THERE ARE NO WELLS, BUILDINGS OR OTHER SANITARY SYSTEM DESIGN CONFLICTS ON ADJACENT PROPERTIES.

GENERAL SEPTIC SYSTEM STRIP AND FILL NOTES

- AFTER CLEARING, INSTALL CURTAIN DRAIN TO DEWATER WORK AREA PRIOR TO STRIPPING AND FILLING. FILL TO 5" BELOW FINISH GRADE.
- STRIP EXISTING FILL AS DIRECTED BY ENGINEER AND TOWN SANITARIAN. DEPTH OF STRIPPED MATERIAL MAY VARY BASED ON ACTUAL CONDITIONS ENCOUNTERED, NOTIFY ENGINEER AND TOWN SANITARIAN PRIOR TO COMMENCING WORK.
- AFTER STRIPPING, SCARIFY SOIL SURFACE PRIOR TO SELECT FILL PLACEMENT.
- PLACE SELECT FILL TO ELEVATIONS SHOWN IN CROSS SECTION.
- CONTRACTOR SHALL ARRANGE FOR SIEVE TESTING OF IN PLACE SELECT SAND FILL BY A THIRD PARTY LAB ACCEPTABLE TO TOWN SANITARIAN. SELECT FILL SHALL BE SAMPLED IN AT LEAST 4 LOCATIONS, TESTED, AND THE RESULTS APPROVED BY THE TOWN SANITARIAN PRIOR TO COVERING WITH FILTER FABRIC.
- CONTRACTOR TO COORDINATE WITH TOWN SANITARIAN TO CONDUCT AT LEAST THREE PERCOLATION TESTS IN THE SELECT FILL. IN PLACE PERCOLATION TESTS MUST CONFORM PERCOLATION RATE OF <10 MIN/INCH.