

LOCATION MAP
SCALE: 1"=1000'

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

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

PERCENT PASSING		
SEIVE SIZE	WET SIEVE	DRY SIEVE
#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 LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH NECESSARY SELECT FILL, THE TOPSOIL IN THE LEACHING SYSTEM AREA MUST BE REMOVED AND THE SUBSOIL SEPARATED PRIOR TO SELECT FILL PLACEMENT UNLESS OTHERWISE DIRECTED BY THE DESIGN ENGINEER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM OVER COMPACTION OR DAMAGE. SELECT FILL SHALL COVER A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM.

NOTES:

BENCH MARK TO BE SET AT TIME FOUNDATION IS STAKED. BOTTOM OF SYSTEM TO BE NO DEEPER THAN 0" INTO EXISTING GRADE. SEPTIC TANK MUST CONFORM TO H-20 LOADING REQUIREMENTS. INSTALLATION OF ALL SEWAGE DISPOSAL SYSTEMS SHALL NOT OCCUR DURING WET WEATHER TO AVOID SOIL SMEARING. LICENSED INSTALLER SHALL PROVIDE A SANITARY SYSTEM "AS BUILT" TO THE CHATHAM HEALTH DISTRICT.

THE LEACHING AREA IS TO BE STRIPPED OF ALL UNSUITABLE SOILS AND FILLED WITH CLEAN SAND, LAID IN 8"-12" INCH LIFTS. FILL TO BE MECHANICALLY COMPACTED TO 90% MAXIMUM DENSITY. A MINIMUM SEPARATION DISTANCE OF 15' BETWEEN THE MOTTLING LAYER AND BOTTOM OF THE LEACHING AREA MUST BE MAINTAINED.

FILLING OF STRIPPED AREAS SHALL NOT BE PERMITTED WHILE SHEARING OF THE SOIL OCCURS. ALL SHEARED SURFACES SHALL BE RAKED OR FLOWED PRIOR TO ANY FILLING AND AS DIRECTED BY THE CHATHAM HEALTH DISTRICT.

N/F
HOUSE STANLEY F & HIDEKO S
ZONED: R2 - SINGLE FAMILY RESIDENTIAL

N/F
JOHN R. FORBES III
ZONED: C - COMMERCIAL

N/F
WEST HIGH ENTERPRISES, LLC
ZONED: C - COMMERCIAL

GUTTER DRAIN DRYWELL COVER

DRYWELL OVERFLOW PIPE TO BE EXTENDED TO PROPOSED DRAINAGE SYSTEM

RETAIL 5,760 S.F.
PHASE I
BUILDING A
PROPOSED S.F.
7,680 S.F.
F.F.=484.5

EXIST. D-BOX #1
D-BOX #2 AND
EFFLUENT
PIPE TO REMAIN

EXIST. 34 FT OF 12"X48"
LEACHING TRENCH TO REMAIN

EXIST. 54 FT OF 12"X48"
LEACHING TRENCH TO REMAIN

SELF STORAGE 1,920 S.F.

REMOVE
D-BOX #3 AND
52 LF OF EXISTING
LEACH TRENCHES

ELIMINATE EAST DISCHARGE FROM EX. D-BOX #1

EXIST. 1,000 gallon conc. septic tank

EXIST. 25' 4" sch40 pvc astm d-1785 1/4" ft min

CLEANOUT

FOOTING DRAIN = 491.5

GUTTER DRAIN = 491.5

EXIST. 34 LF

RESERVE AREA

353,249 S.F. 8.10 AC.

75 LF

160 LF 15" CHDP @ 2.8%

UPGRADE

50' TIGHT PIPE

DOWNGRADE

PROP DBL CB 2 TF=487.8 FL=482.69

PROP DBL CB 3 TF=487.7 FL=487.17

PROP DBL CB 1 TF=492.1 FL=488.46

EXIST. 1.000 gallon conc. septic tank

EXIST. 25' 4" sch40 pvc astm d-1785 1/4" ft min

LEGEND

- EXISTING MONUMENT
- EXISTING IRON PIN
- EXISTING DRILL HOLE
- PROPOSED IRON PIN
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TREE LINE
- PROP. LIMIT OF CLEARING

NOTE: TOPOGRAPHY OUTSIDE OF WETLANDS TAKEN FROM ACTUAL FIELD SURVEY TOPOGRAPHY WITHIN WETLANDS TAKEN FROM STATE MAPPING

BUILDING A
LOT 2 SANITARY SYSTEM ELEVATIONS

BOTTOM OF TRENCH	491.0
FL DISTRIBUTION LINE	491.5
DISTRIBUTION BOX #2&3 OUTLET	491.5
DISTRIBUTION BOX #2&3 INLET	491.6
DISTRIBUTION BOX #1 OUTLET	491.7
DISTRIBUTION BOX #1 INLET	491.8
SEPTIC TANK OUTLET	491.95
SEPTIC TANK INLET	492.2
FL 4" PVC @ FDN. WALL	492.7
TOP OF FOUNDATION	494.9x
FINISH FLOOR	494.5
TOP OF SEPTIC TANK	493.2

BUILDING A
LOT 2 SANITARY SYSTEM DESIGN

PRIMARY SYSTEM DESIGN

Actual Flow = 75 GPD
(Based on Actual Meter Readings)

Design Flow = Actual x 2.0 (Safety Factor)
= 75 x 2.0 = 150 GPD

Req'd Effective Leaching Area (ELA)
ELA = Design Flow / Application Rate (Table 8 PHC)
ELA = 150 / 1.2 = 125 SF

Using 48"x12" Leach Trench w/ 4" Port PVC
Effective Leaching Credit = 3.0 SF/ LF
(Section VII B PHC)

Req'd Primary Size = 125 / 3.0 = 41.6 = 42 LF

Check MLSS:
Design Flow 150 GPD
Depth to Restrictive 19"
Slope: 2.1%
Perc. Rate: 16 Min/In

HF(54) x FF(100) x PF(125) = 33.75 = 34 LF

Minimum Primary System Required is 42 Ft
(88 Ft Provided)

RESERVE SYSTEM DESIGN
100% PROVIDED
(75 Ft exceeds ELA and MLSS)

LOT 2 SOIL TESTING

TEST PIT # 1
DATE: 11-8-11
DEPTH: 72"
GROUNDWATER: 59" (SEEPS AT 53")
MOTTLING: 35"
LEGE: 25"
ROOTS: NO REFUSAL
RESTRICTIVE: 35"
MATERIALS: 0-9" TOPSOIL
9-24" ORANGE BROWN FINE SANDY LOAM (LOOSE)
24-32" TAN FINE SAND WITH SILT
32-72" GRAYSH TILL (VERY FIRM)

TEST PIT # 1A
DATE: 11-8-11
DEPTH: 53"
GROUNDWATER: HIT ORANGE BROWN DRAIN WITH FLOWLINE AT 53". PIPE WAS FLOWING, DID NOT READ PIT, WHICH HAD DISTURBED SOILS.

TEST PIT # 2
DATE: 11-8-11
DEPTH: 52"
GROUNDWATER: 77" (SEEPS AT 29")
MOTTLING: 27"
LEGE: 27"
ROOTS: NO REFUSAL
RESTRICTIVE: NONE SEEN
MATERIALS: 0-10" TOPSOIL
10-27" ORANGE BROWN VERY FINE SANDY LOAM (LOOSE, WET)
27-52" GRAYSH TILL (VERY FIRM TO COMPACT)

TEST PIT # 8
DATE: 11-8-11
DEPTH: 59"
GROUNDWATER: 59" (SEEPS AT 24")
MOTTLING: 22"
LEGE: 22"
ROOTS: 23"
RESTRICTIVE: 22"
MATERIALS: 0-9" TOPSOIL
9-22" TAN SILTY FINE SANDY LOAM (LOOSE, WET)
22-59" GRAYSH SANDY TILL (DNSE)

TEST PIT # 9
DATE: 11-8-11
DEPTH: 47"
GROUNDWATER: 41" (SEEPS AT 38")
MOTTLING: 18"
LEGE: NO REFUSAL
ROOTS: 22"
RESTRICTIVE: 19"
MATERIALS: 0-9" TOPSOIL
9-22" TAN SILTY FINE SAND
21-72" GREY SANDY TILL

TEST PIT # 11
DATE: 11-8-11
DEPTH: 68"
GROUNDWATER: 47"
MOTTLING: 24" @ 33"
LEGE: NONE
ROOTS: 24"
RESTRICTIVE: 9"
MATERIALS: 0-9" TOPSOIL
9-25" ORANGE BROWN SILTY FINE SANDY LOAM (LOOSE, CAMP)
25-30" ORANGE COARSE SAND AND GRAVEL (LOOSE)
30-40" GRAY FINE SAND
47-68" UNDER WATER, COULD NOT READ

TEST PIT # 12
DATE: 11-8-11
DEPTH: 68"
GROUNDWATER: 44"
MOTTLING: 32" POSSIBLE
LEGE: NONE
ROOTS: 24"
RESTRICTIVE: 24"
MATERIALS: 0-11" TOPSOIL
11-21" DARK ORANGE BROWN FINE SANDY LOAM
21-33" IRON STAINED COARSE SAND AND GRAVEL (LOOSE TO FRM)
33-68" GRAY SANDY TILL, SOME S. LOOSE

PERC. TEST # 11
DATE: 11-28-11
DEPTH: 21"
RATE: 14 MIN./IN.

PERC. TEST # 12
DATE: 11-28-11
DEPTH: 16"
RATE: 16 MIN./IN.

PERC. TEST # 13
DATE: 11-28-11
DEPTH: 18"
RATE: 12 MIN./IN.

Perc # B RATE = 14 min/inch
Presoak: 11/28/11 @ 1:00PM
Tested: 11/28/2011
Depth 18"

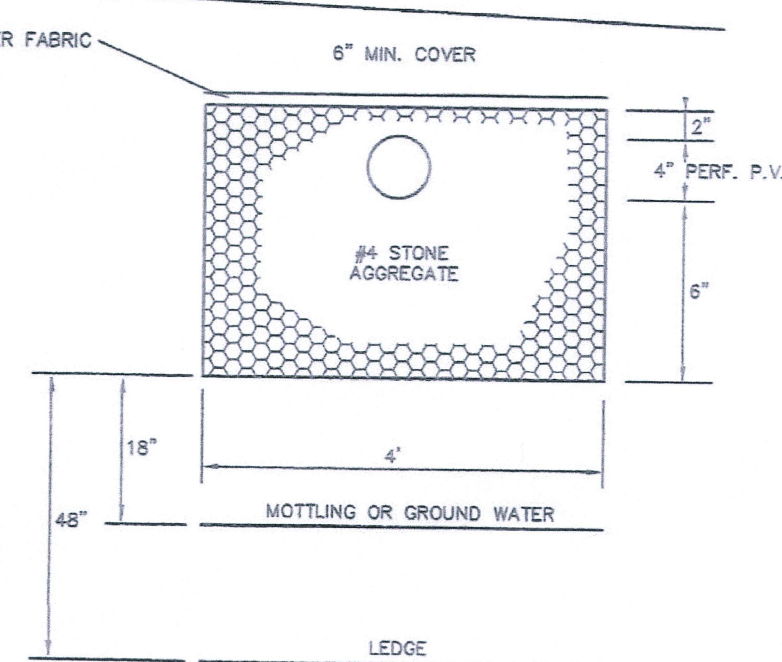
Time	Depth (in)
9:02	7
9:07	10 1/8
9:12	12 5/16
9:17	13 7/8
9:22	15 3/16
9:27	16 1/4
9:32	17 1/16
9:37	17 3/4
9:42	18 3/8
9:47	19
9:52	19 3/8
9:57	19 3/4
10:02	20 1/8 Dry

Perc # E RATE = 16 min/inch
Presoak: 6/6/12 @ 3:05 PM
Tested: 6/6/2012
Depth 18"

Time	Depth (in)
4:23	6 1/4
4:35	8 7/8
4:47	10 7/8
4:59	12 3/4
5:11	14 1/2
5:23	15 5/8
5:35	16 1/2
5:47	17 1/4
5:59	18 Dry

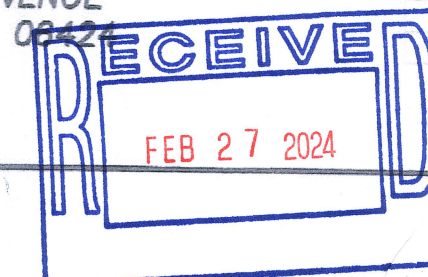
Perc # F RATE = 12 min/inch
Presoak: 6/6/12 @ 3:05 PM
Tested: 6/6/2012
Depth 18"

Time	Depth (in)
4:24	6 1/2
4:36	10 3/4
4:48	13 1/2
5:00	15 1/8
5:12	16 1/4
5:24	17 1/4
5:36	18 Dry



TYPICAL ABSORPTION TRENCH FOR SANITARY SYSTEM
NO SCALE

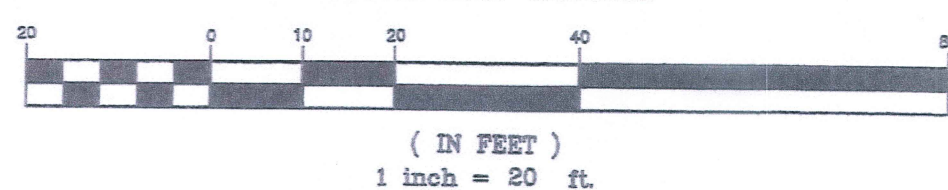
OWNER/DEVELOPER:
WEST HIGH ENTERPRISES, LLC
244 MIDDLETOWN AVENUE
EAST HAMPTON, CT. 06424



REFERENCE MADE TO MAP TITLED:

"TOPOGRAPHIC MAP 195 WEST HIGH STREET SUBDIVISION PREPARED FOR WEST HIGH ENTERPRISES, LLC EAST HAMPTON, CONN." BY CHATHAM ENGINEERING, INC CONSULTING ENGINEERS EAST HAMPTON, CT 06424 SCALE: 1"=40' DATE: 1/10/12 REV: 5/16/12 MAP NO. 52-12-1T

GRAPHIC SCALE



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

ROBERT V. BALTRAMAITIS, P.E.

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SEPTIC SYSTEM REVISION - BUILDING A
201 WEST HIGH STREET
PREPARED FOR
WEST HIGH ENTERPRISES, LLC
EAST HAMPTON, CONN.

REV #2 2/24/24 REVISED PER AS-BUILT SURVEY OF SEPTIC SYSTEM
REV #1 2/17/24 ADJUSTED FOR ACTUAL FLOWS

CK. BY:
DRW. BY:
DATE: 6-10-12
SCALE: 1" = 20'
SHEET 1 OF 1
MAP NO.