

DESIGN CRITERIA

TYPE OF ESTABLISHMENT: 4 BEDROOM RESIDENTIAL

DESIGN FLOW: 440 G.P.D.

SEPTIC TANK CAPACITY: NEW 1500 GAL. SEPTIC TANK

LEACHING CAPACITY REQUIRED: 440 G.P.D. / 0.25 = 1,760 SQ. FT. REQUIRED

LEACHING CAPACITY PROVIDED: 22'-0" X 81'-0" LEACHED = 1,760 SQ. FT.
1,760 SQ. FT. x 0.25 = 440 G.P.D.

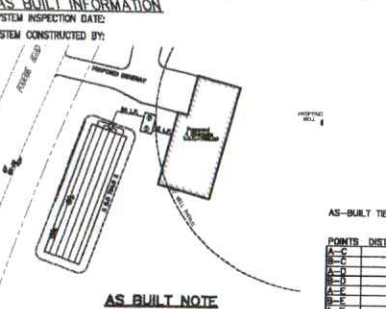
TEST PIT DATA

SOIL EVALUATOR: JASON DUBOIS
WITNESSED BY: KEVIN LACEY
DATE: 3/21/2019
APPLICANT: ROBERT & KENNETH KASZOWSKI

TEST PIT # 1	TEST PIT # 2
0'-0" A SL 10YR 3/2 0'-30" B SL 10YR 5/8 30"-102" C SL 2.5Y 5/4	0'-7" A SL 10YR 3/2 7"-20" B SL 10YR 5/8 20"-100" C SL 2.5Y 5/4
REDUX @ 24"	REDUX @ 24"
GROUND WATER ELEV (OBSERVED) <u>80"</u>	GROUND WATER ELEV (OBSERVED) <u>N/A</u>
NOTHING ELEV (OBSERVED) <u>24"</u>	NOTHING ELEV (OBSERVED) <u>24"</u>
REFUSAL ELEV <u>N/A</u>	REFUSAL ELEV <u>N/A</u>

SOIL EVALUATOR: JASON DUBOIS
WITNESSED BY: KEVIN LACEY
DATE: 7/14/2020
APPLICANT: Jason Dubois

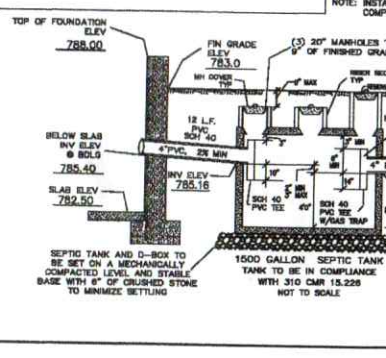
TEST PIT # 3	TEST PIT # 4
0'-0" A SL 10YR 3/2 0'-30" B SL 10YR 5/8 30"-80" C SL 2.5Y 5/4	0'-0" A SL 10YR 3/2 0'-24" B SL 10YR 5/8 24"-100" C SL 2.5Y 5/4
REDUX @ 30"	REDUX @ 30"
GROUND WATER ELEV (OBSERVED) <u>N/A</u>	GROUND WATER ELEV (OBSERVED) <u>N/A</u>
NOTHING ELEV (OBSERVED) <u>30"</u>	NOTHING ELEV (OBSERVED) <u>30"</u>
REFUSAL ELEV <u>N/A</u>	REFUSAL ELEV <u>N/A</u>



AS BUILT NOTE

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT A LETTER CERTIFYING THAT THE SEWER GRATEL, INSTALLED MEETS TITLE V SIEVE ANALYSIS REQUIREMENTS TO DC ENGINEERING PRIOR TO THE SUBMISSION OF THE AS-BUILT. DC ENGINEERING IS NOT RESPONSIBLE FOR THE SIEVE ANALYSIS.

DISPOSAL SYSTEM CROSS SECTION



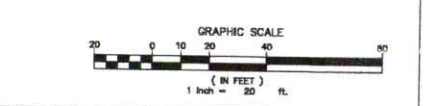
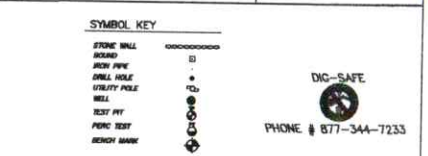
GENERAL NOTES

1. ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE TOWN OF STURBRIDGE BOARD OF HEALTH
2. ALL SITE WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH TITLE 5
3. ANY CONDITIONS DURING CONSTRUCTION THAT DIFFER FROM THOSE ENCOUNTERED DURING TESTING SHALL BE REPORTED TO DC ENGINEERING AND THE LOCAL BOARD OF HEALTH IMMEDIATELY.
4. REMOVE ALL TOPSOIL & SUBSOIL FOR A DISTANCE OF 5 FEET AROUND SYSTEM
5. ALL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. THE FILL SHALL BE COMPRISED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES. A SEVE ANALYSIS USING A #4 SIEVE SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL UP TO 40% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. FOR FURTHER INFORMATION SEE 310CMR 15.220(C).
6. OFFSETS ARE NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
7. ALL ELEVATIONS REFER TO AN ASSIGNED DATUM.
8. NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A GARBAGE DISPOSAL (NOT ALLOWED)
9. NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A WATER SOFTNER (NOT ALLOWED)
10. THE PROPOSED SITE IS NOT SUBJECT TO THE WETLANDS PROTECTION ACT.
11. THE PROPOSED PROJECT DOES NOT FALL WITHIN A FLOOD HAZARD ZONE.
12. THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED EVERY 2 YEARS.
13. ALL EXISTING OR PROPOSED WELLS AND SEPTIC SYSTEMS WITHIN 150 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
14. ALL WETLANDS, BROOKS, BODIES OF WATER AND FLOOD HAZARD ZONES WITHIN 200 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
15. INSPECTIONS REQUIRED FOR ASBUILT CERTIFICATION * SEE ASBUILT NOTE *
A. BOTTOM INSPECTION PRIOR TO THE INSTALLATION OF SEWER GRAVEL.
B. ALL COMPONENTS OF SEPTIC SYSTEM MUST BE COMPLETE AND VISIBLE PRIOR TO REQUESTING A FINAL INSPECTION.
16. DIG SAFE TO NOTIFIED PRIOR TO CONSTRUCTION AT 1-888-DIGSAFE.
17. INSTALL MAGNETIC TAPE OVER ALL SYSTEM COMPONENTS, TANK, D-BOX, LEACH AREA.
18. HYDRAULIC CEMENT IS REQUIRED TO SEAL ALL CONNECTIONS AT THE SEPTIC TANK AND D-BOX LEACHING AREA TO BE WATER TIGHT 4" PVC ASTM D 1785 LAID ON FIRM BASE.

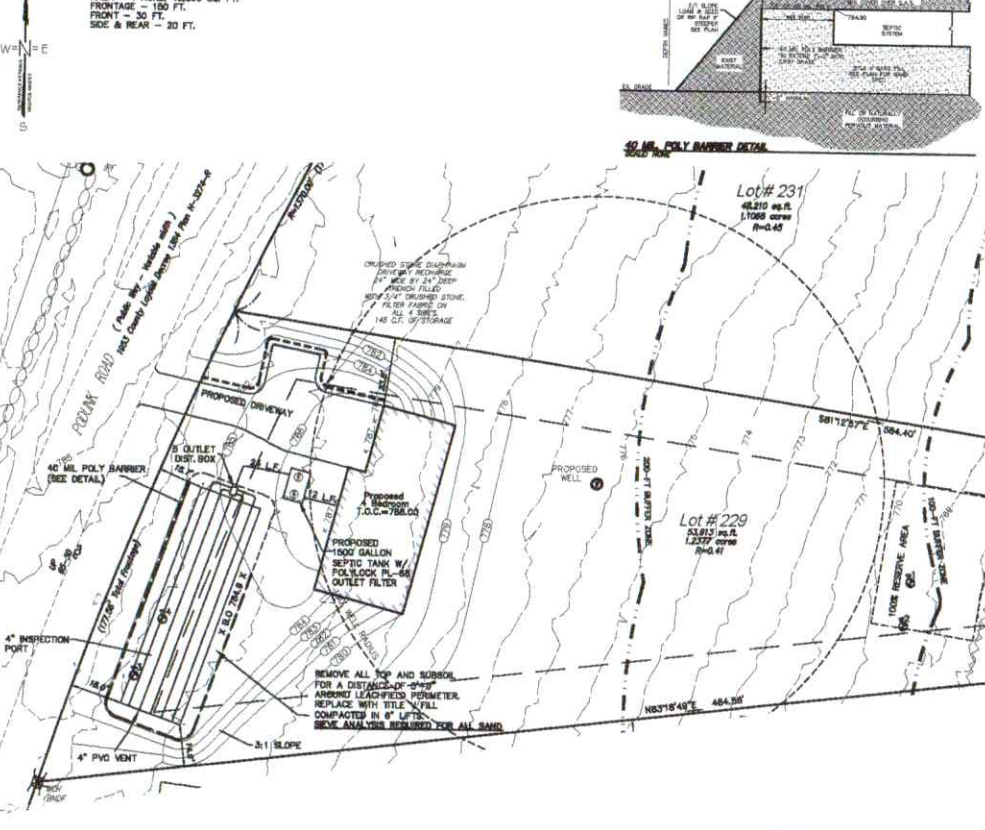
PERCOLATION TEST DATA

SOIL EVALUATOR: JASON DUBOIS
WITNESSED BY: KEVIN LACEY
DATE: 1 (10/21/2018), 2 (7/14/2020)

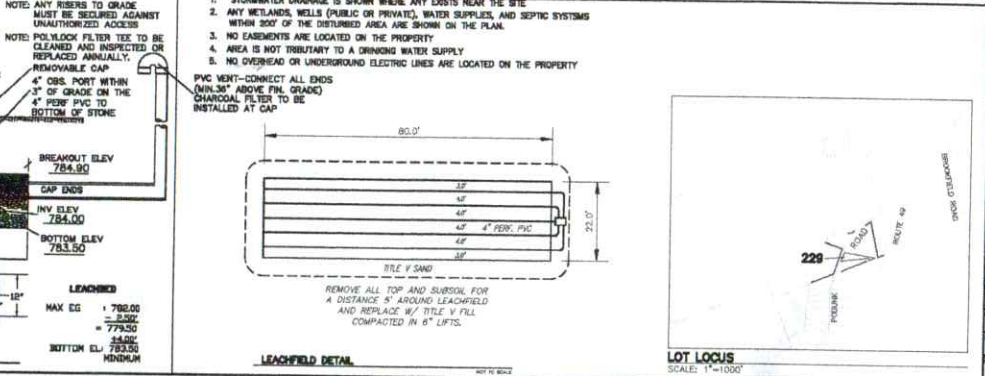
1	2
32"	30"
35 MPY	22 MPY
40 MPY	40 MPY
2	2
0.25	0.25



TOWN OF STURBRIDGE ZONING



LEACHFIELD DETAIL



JASON D. DUBOIS, P.E.
PROFESSIONAL ENGINEER
MA Lic. No. 10420

KEVIN LACEY, P.E.
PROFESSIONAL ENGINEER
MA Lic. No. 10420

DC ENGINEERING, INC.
2000-780-8888
800-861-8888

DATE: _____

SCALE: _____

PROJECT: _____

CLIENT: David Brunelle / Andy Helgeson

DATE: JDD

SCALE: 1"=20'

PROJECT: 20-184

REV # 1

DATE: 7-14-20

SCALE: 1"=20'

PROJECT: 20-184

DWG. NO: S-228