

SCHEDULE OF ELEVATIONS

	M.Hse/C.Hse	Finished Grade	Invert	Finished
TOP OF FOUNDATION	101.75			
BASEMENT FLOOR	94.9			
INVERT AT FOUNDATION PIPE (SEWER)	98.50	99.7		
INVERT AT SEPTIC TANK INLET	97.00			
INVERT AT SEPTIC TANK OUTLET	96.75	99.0		
INVERT AT DISTRIBUTION BOX INLET	94.70			
INVERT AT DISTRIBUTION BOX OUTLET	94.50	96.0		
INVERT AT INFILTRATOR INLET	94.25	96.4		
ELEVATION OF INFILTRATOR BOTTOM	93.3			

DESIGN DATA

A. DESIGN HYDRAULIC LOADING
 3 Bedrooms at 110 gallons per day per bedroom = 330 gpd.**
 Garbage disposal unit is not allowed with this system.

B. SEPTIC TANK SIZE
 Average daily flow = 330 x 200 % = 660 gallons.
 Size of septic tank provided = 1500 gallons.**

C. DESIGN FACTORS
 Percolation rate = 5 mpi. soil class = I.
 Loading Factor = 0.74 gals./sf/day

D. LEACHING AREA REQUIREMENTS
 High Capacity Infiltrator Units required = 16
 16 units x 6.25 lf/unit x 4.72 sf/lf = 472 sf
 472 sf. x 0.74 GPD/sf = 349 GPD

** Minimum sizes allowed by Title 5

SOIL DATA

Depth	Soil Log	Elevations	Depth	Soil Log	Elevations
7'	A grass loam	Surface El.=98.5	6"	A grass loam 2.5Y 5/1	Surface El.=93.8
21'	OLD FILL			B med. sandy loam 2.5Y 6/8	
26"	A topsoil (loam) 2.5Y 5/1		40"		
44"	B med. sandy loam 2.5Y 6/8		63"	C medium/fine sand 2.5Y 8/4	
104"	C med.sand w/cobbles 2.5Y 8/4	Ground water fnd. at El.=88.5	120"		Ground water fnd. at El.=83.8
120"					

PERCOLATION TEST DATA

T.H.#	Date	Depth	Elevation	Rate (mpi)
1	5-28-20	48"	94.5	5
2	5-28-20	48"	89.8	5

- NOTES**
- Elevations refer to AN ASSUMED DATUM. Benchmark (BM) is shown on plan. ELEV.= 100.00 Top of concrete retaining wall.
 - Soil tests performed in accordance with the Massachusetts State Environmental Code (Title 5 Regulations).
 - All construction to conform to the Massachusetts State Environmental Code (Title 5) and the local Board of Health Requirements.
 - All topsoil, subsoil and deleterious material, if any, must be removed from beneath the proposed leaching facility and for a distance of 3 feet from all directions therefrom and to a depth 6 inches into the level of the natural permeable soil. Backfill, as required, with a clean gravel or sand material, free from fines, clay, organic matter, and large boulders, having a percolation rate, in its original location and after placement, of 2 minutes per inch or less.
 - The design-engineer does not warrant the character of the ground (e.g. boulders and ledge) or the location of pipes or other underground structures.
 - All washed stone in the leaching field must be double washed in accordance with 310CMR 15.247.
 - Tight joint piping to consist of Polyvinyl Chloride pipe (PVC), Schedule 40 unless otherwise noted. All joints between concrete and piping to be made watertight.
 - Finished grading to be done in accordance with Plot Plan and Schedule of Elevations.
 - Heavy machinery shall not be permitted to pass over the leaching facility during or after construction.
 - No permanent structure may be constructed over the 100% expansion area.
 - SMITH & DOWLING will not be responsible for the performance of this system, unless constructed as shown. Any alterations must be approved in writing by design engineer.
 - The local Board of Health shall require inspection of all construction by the design-engineer or by an agent of the Board of Health, and require such person to certify in writing that all the work has been completed in accordance with the terms of the permit and the approved plans.
 - For proper performance, the septic tank should be checked at least once a year.
 - All proposed setbacks shown must be confirmed with the Zoning/Building inspector and with any Covenants or Deed Restrictions of record PRIOR TO ANY CONSTRUCTION.
 - No water supply wells could be located within 150 feet of the proposed leaching facility and no abutting septic systems could be visually located within 150 feet of any proposed well; except as shown.
 - Any soils found during construction of the proposed system that differ from the SOIL DATA shown, must be reported to the DESIGN-ENGINEER prior to any additional work on the installation.

APPLICANT
 DAVE C. & ELEANOR L. STANWOOD, TRS.
 50 LAMBERT'S COVE ROAD
 WEST TISBURY, MA 02575

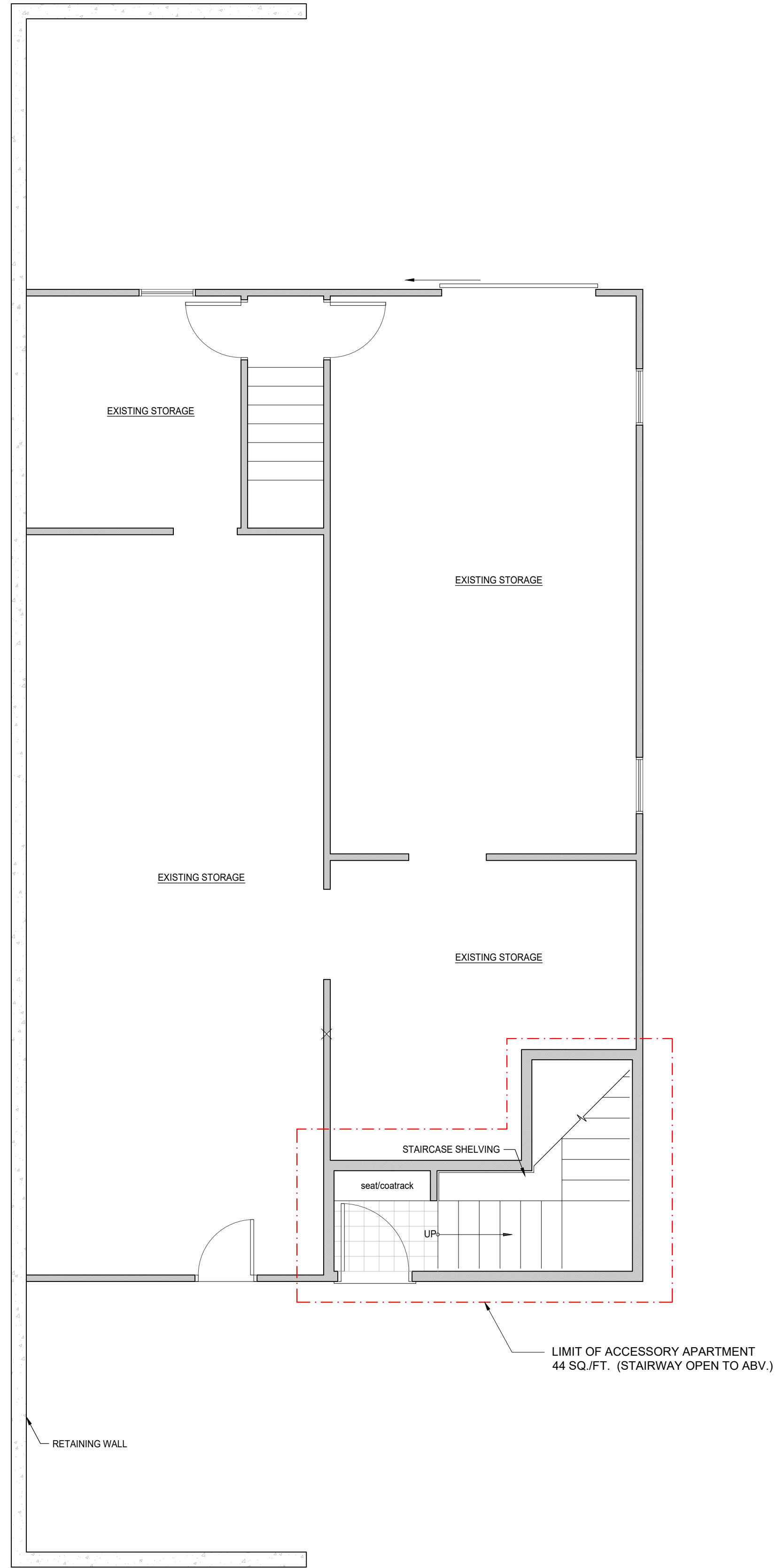
INDIVIDUAL SEWAGE DISPOSAL SYSTEM FOR A PROPOSED
 1- BEDROOM ACCESSORY APARTMENT
 LOT 1 PIZIAK & KIM PLAN (WT CF 225)
 50 LAMBERT'S COVE ROAD
 WEST TISBURY, MASS.
 (A.P. 3-77)

REVISIONS

NO.	DATE	CK'D BY

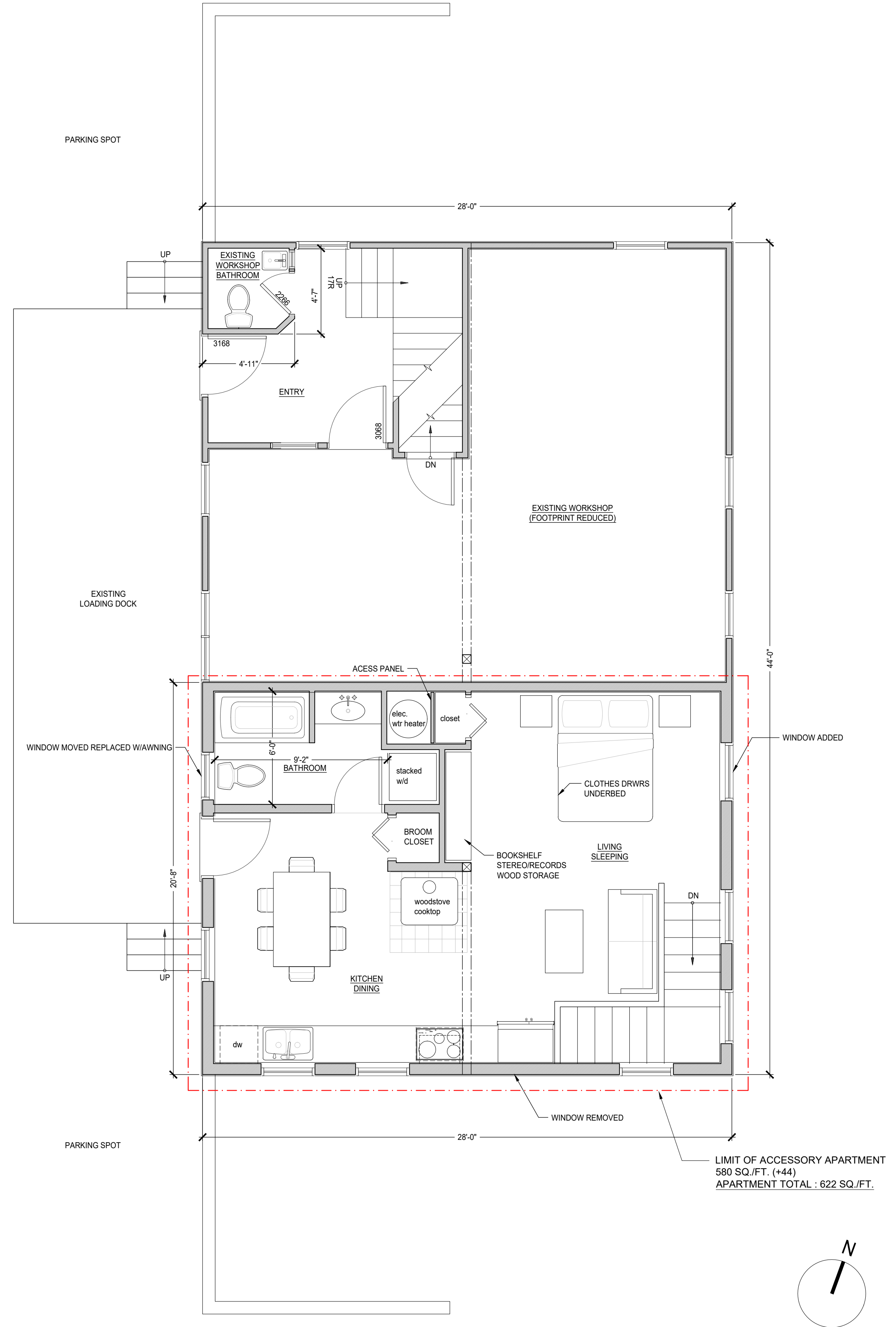
DATE: 10-29-20 DESIGNED BY: D.O.D. CHECKED BY: D.O.D. SHEET 1/1

SMITH & DOWLING
 ENGINEERING • SURVEYING
 • CONSTRUCTION MANAGEMENT •
 Post Office Box 1087 480 State Road
 Vineyard Haven, Mass. 02568
 (508) 693-4150
 smithdowling@gmail.com



1 BASEMENT PLAN

SCALE: 1/4" = 1'-0"



2 FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

NOTES:

DRAWN BY:

PHASE:
ZBA PROPOSAL

DATE:
11.16.2020

STANWOOD STUDIO &
ACCESSORY APT.
50 LAMBERTS COVE ROAD
WEST TISBURY, MA MAP 3 LOT 77

**NOT FOR
CONSTRUCTION**

PROPOSED PLANS

A101

T.O. EXISTING RIDGE
30'-0" ABOVE M.A.G.

MEAN AVS. GRADE



1 NORTH ELEVATION

SCALE: 1/4" = 1'-0"



2 WEST ELEVATION

SCALE: 1/4" = 1'-0"

LIMIT OF ACCESSORY APARTMENT



3 EAST ELEVATION

SCALE: 1/4" = 1'-0"

LIMIT OF ACCESSORY APARTMENT



4 SOUTH ELEVATION

LIMIT OF ACCESSORY APARTMENT

JR STANWOOD DESIGN
PO BOX 3004
WEST TISBURY, MA 02575
JSTANWOOD@GMAIL.COM
508.627.0875

NOTES:

DRAWN BY:

PHASE:
ZBA PROPOSAL

DATE:
11/6/2020

STANWOOD STUDIO &
ACCESSORY APT.
50 LAMBERTS COVE ROAD
WEST TISBURY, MA MAP 3 LOT 77

**NOT FOR
CONSTRUCTION**

PROPOSED ELEVATIONS

A201