

**LOCUS PLAN (NOT TO SCALE)**



**LOCAL UPGRADE VARIANCES REQUESTED:**

15.405 (b)-A REDUCTION IN THE REQUIRED SETBACK SEPTIC TANK FROM CRAWL/SLAB FROM 10.0' TO 4.0'  
 15.405 (a)-A REDUCTION IN THE REQUIRED SETBACK S.A.S. FROM SLAB FROM 10.0' TO 5.0'

**LOCAL VARIANCE REQUESTED:**

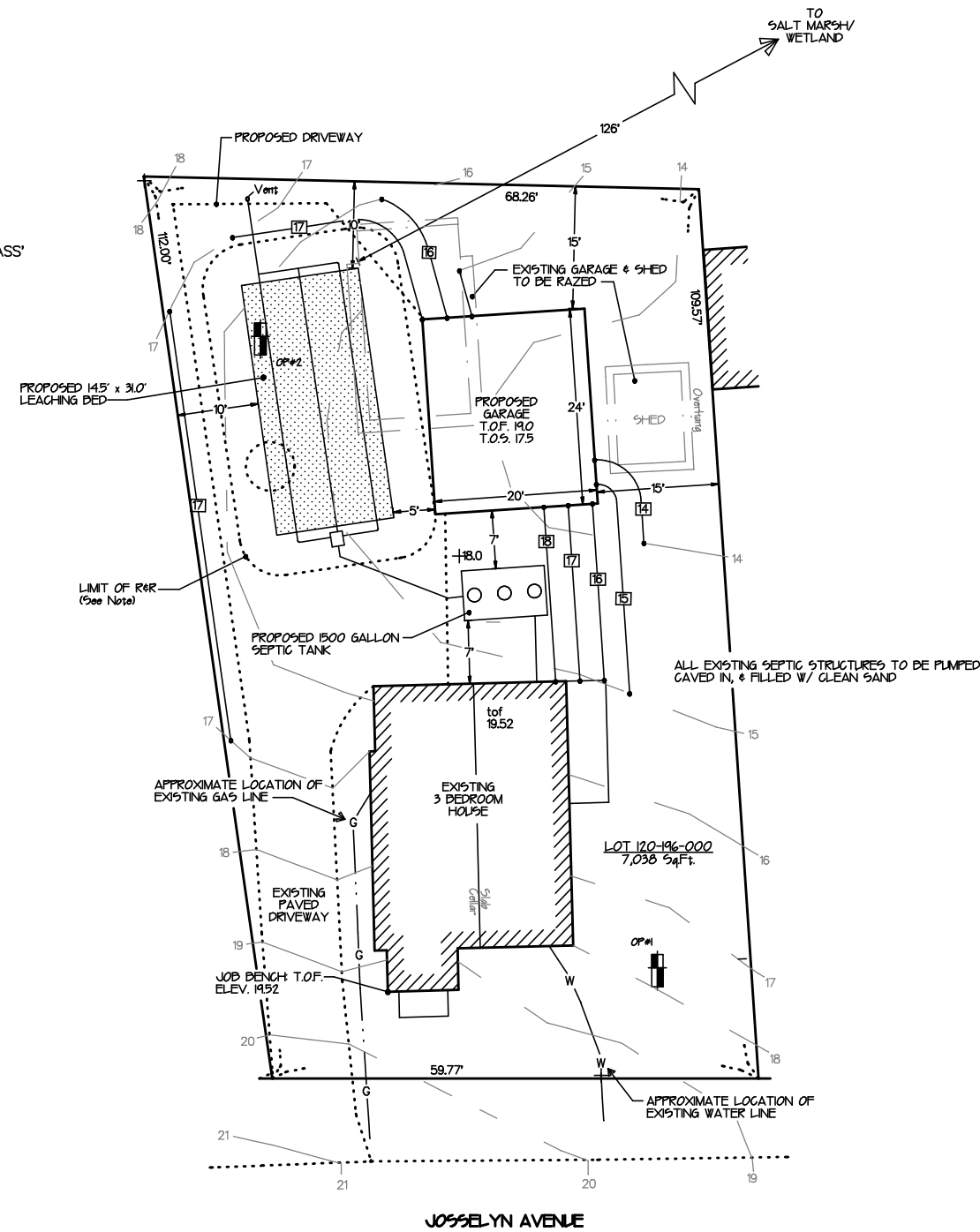
110 (a)-A REDUCTION IN THE REQUIRED SETBACK S.A.S. TO SALT MARSH FROM 150' TO 126'

**ADJUTER WATER SUPPLY**

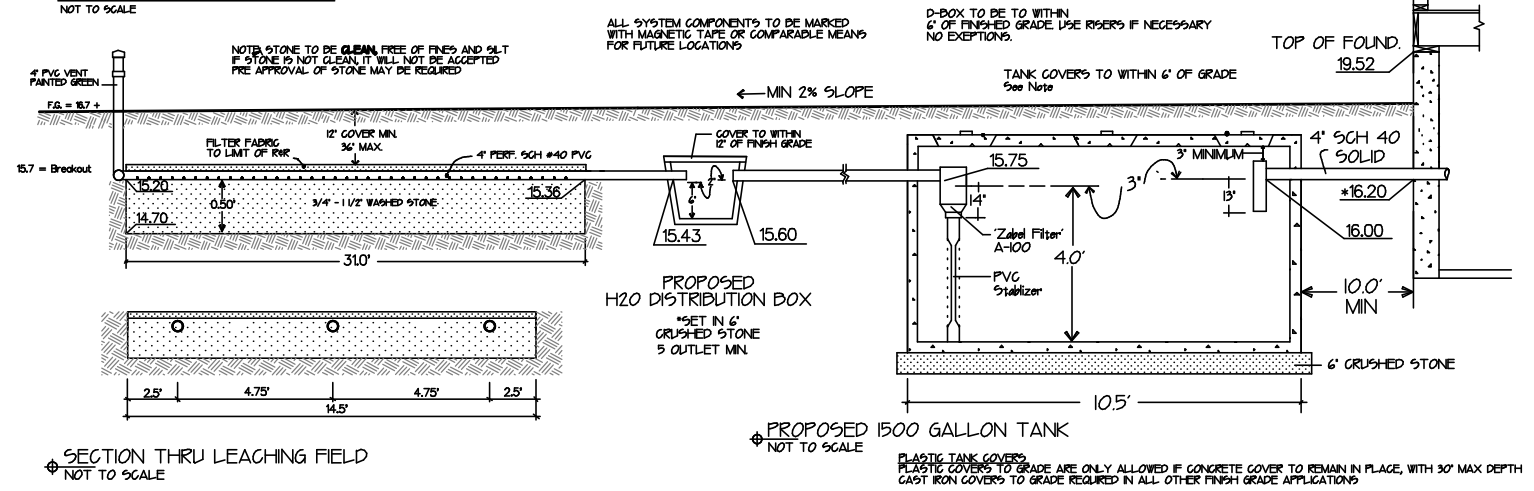
PARCEL #	STREET ADDRESS	BLDG	WATER SUPPLY
120-186-001	52 JOSSELYN AVENUE	Y	TOWN WATER
120-183-000	30 JOSSELYN AVENUE	Y	TOWN WATER
120-189-203	57 JOSSELYN AVENUE	Y	TOWN WATER
120-186-002	50 JOSSELYN AVENUE	Y	TOWN WATER
120-185-000	42 JOSSELYN AVENUE	Y	TOWN WATER
120-184-000	38 JOSSELYN AVENUE	Y	TOWN WATER
120-189-000	39 JOSSELYN AVENUE	Y	TOWN WATER
120-189-201	45 JOSSELYN AVENUE	Y	TOWN WATER
120-189-202	51 JOSSELYN AVENUE	Y	TOWN WATER

DEED REFERENCE:  
LCC 98478

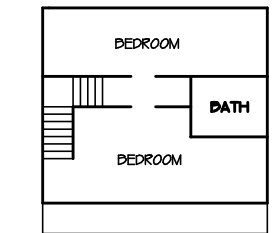
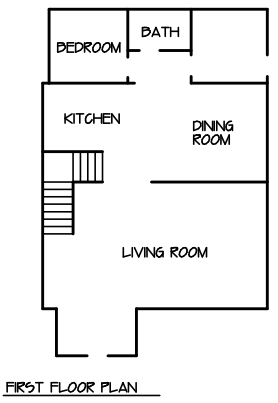
PLAN REFERENCE:  
LOCUS SHOWN ON 'PLAN OF LAND IN DUXBURY MASS' JULY 28, 1954 BY DELANO & KEITH-SURVEYORS RECORDED IN LAND COURT AS PLAN 252244



**CROSS-SECTIONAL DETAIL**



**R&R NOTE**  
 NOTE: ALL IMPERVIOUS MATERIALS TO BE REMOVED FOR 5.0' AROUND PROPOSED LEACHING TO THE LAYER OF G - MEDIUM SAND APPROXIMATE ELEVATION 13.5 AND REPLACED WITH CLEAN SAND IN ACCORDANCE WITH 310 CMR 15.255 (3)



**SOIL LOGS** DATES: SEPT. 3, 2021 & NOV. 10, 2021

PERFORMED BY:	WITNESSED BY:	PERCOLATION RATE:
SHAYNE P. MCGLONE SOIL EVALUATOR	TRACY MAYO HEALTH AGENT	OP. #1 1' < 2' MINS.

ELEV.	DEPTH	DES. PIT #1	DES. PIT #2
17.7	0.0	A LOAMY SAND 10y 3/2	A LOAMY SAND 10y 3/2
16.5	1.2 (14")	B LOAMY SAND 10y 5/6	B LOAMY SAND 10y 5/6
15.0	2.7 (32")	C MEDIUM SAND 25y 6/3	C MEDIUM SAND 25y 6/3
6.9	10.8 (130")		

SEASONAL HIGH WATER ELEVATION 8.7

PERC TEST ELEVATION RATE 1' < 2' MINS. SOIL TYPE: CLASS 1 L.T.A.R. = 0.74 GPD / 64 Ft. NO WATER ENCOUNTERED

PROPOSED IN-LINE ELEVATIONS	DESIGN CALCULATIONS
TOP OF FOUNDATION 19.52	NUMBER OF BEDROOMS 3
INV AT HOUSE *16.20	DESIGN FOR: 3 @ 110 GPD - 330 GPD.
INV INTO TANK 16.00	<b>LEACHING FIELD</b>
INV OUT OF TANK 15.75	DEPTH BELOW INV. 0.50
INV INTO D-BOX 15.60	WIDTH 14.50
INV OUT OF BOX 15.43	TOTAL LENGTH 31.00
INV INTO FIELD 15.36	BOTTOM AREA 449.50
INV END FIELD 15.20	TOTAL SQUARE FEET 449.50 Sq.Ft.
BOTTOM OF STONE 14.70	CAPACITY BOTTOM @ 0.74 332.63
SEASONAL HIGH WATER TABLE 8.7	CAPACITY TOTAL <b>332 GPD</b>
'BREAKOUT' ELEVATION 15.70	

- NOTES:**
- ALL LOCATIONS OF UTILITIES SHOWN ARE AS MARKED BY DIGSAFE AND ARE TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
  - INSPECTIONS BY ENGINEER ARE TO BE AS FOLLOWS:  
 1- EXCAVATION INSPECTION- PRIOR TO PLACEMENT OF PERC SAND.  
 2- FINAL INSPECTION- PRIOR TO BACKFILL OF SYSTEM  
 3- FINISH GRADE INSPECTION- FOLLOWING BACKFILL OF SYSTEM
  - BOARD OF HEALTH INSPECTIONS TO BE MADE AS REQUIRED BY TOWN.
  - IT IS THE RESPONSIBILITY OF THE INSTALLER TO GIVE NOTIFICATION FOR INSPECTIONS. FAILURE TO DO SO WILL RESULT IN NON-CERTIFICATION.
  - THIS PROPOSED SEPTIC SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE GRINDER
  - PROPERTY LINE DATA TAKEN FROM EXISTING DEEDS & RECORDS. THIS PLAN IS TO BE USED FOR SEPTIC SYSTEM INSTALLATION ONLY.
  - NO CHANGES ARE TO BE MADE IN THE FIELD WITHOUT THE APPROVAL OF THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
  - SEPTIC TANK SHOULD BE PUMPED AND FILTER CLEANED ANNUALLY.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL DOMESTIC WASTE IS PLUMBED INTO THE SEPTIC TANK AS SHOWN. **REPLUMBING WILL BE REQUIRED.**

THE PROPOSED LEACHING IS NOT WITHIN A ZONE 1 OR ZONE 2 OF A PUBLIC WATER SUPPLY

THERE ARE NO EASEMENTS OR RIGHTS OF WAY ON PROPERTY, OTHER THAN SHOWN

THERE ARE NO POTABLE WELLS WITHIN 150 FEET OF THIS PROPOSED SYSTEM.

THERE ARE NO IRRIGATION WELLS WITHIN 100 FEET OF THIS PROPOSED SYSTEM.

THE PROPOSED LEACHING IS NOT WITHIN A FLOOD ZONE -BASED ON FEMA FLOOD MAP

— [97] — PROPOSED CONTOURS  
 — — — EXISTING CONTOURS

I HEREBY CERTIFY THAT THERE ARE NO WELLS, OTHER THAN THOSE SHOWN, KNOWN OR REPORTED TO ME WITHIN 150 FEET OF THIS PROPOSED SYSTEM.

I CERTIFY THAT ON 9/4/96 I HAVE PASSED THE SOIL EVALUATOR EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS WAS PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE AND EXPERIENCE DESCRIBED IN 310 CMR 15.017.



Shayne P. McGlone R.S.

**MCGLONE ENTERPRISES INC.**  
 211 PEMBROKE ST. KINGSTON MASS.  
 781-585-8527

PLAN SHOWING  
 PROPOSED SEPTIC SYSTEM UPGRADE FOR:  
 INGRID LINDQUIST  
 44 JOSSELYN AVENUE, DUXBURY

DRAWN BY: S.P. MCGLONE	SCALE 1" = 20'	SHEET 1 OF 1
CHECKED BY:	DATE: NOV. 15, 2021	DRWG#