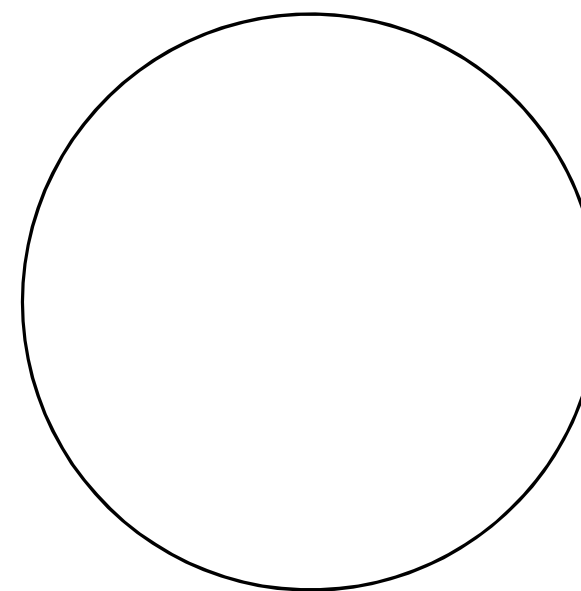
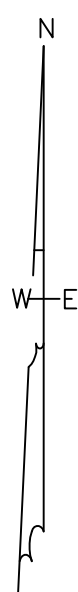


Plan

Scale: 1 in. = 10 ft.
Datum: ±U.S.G.S.



LOCUS MAP
Scale: 1" = xxx'

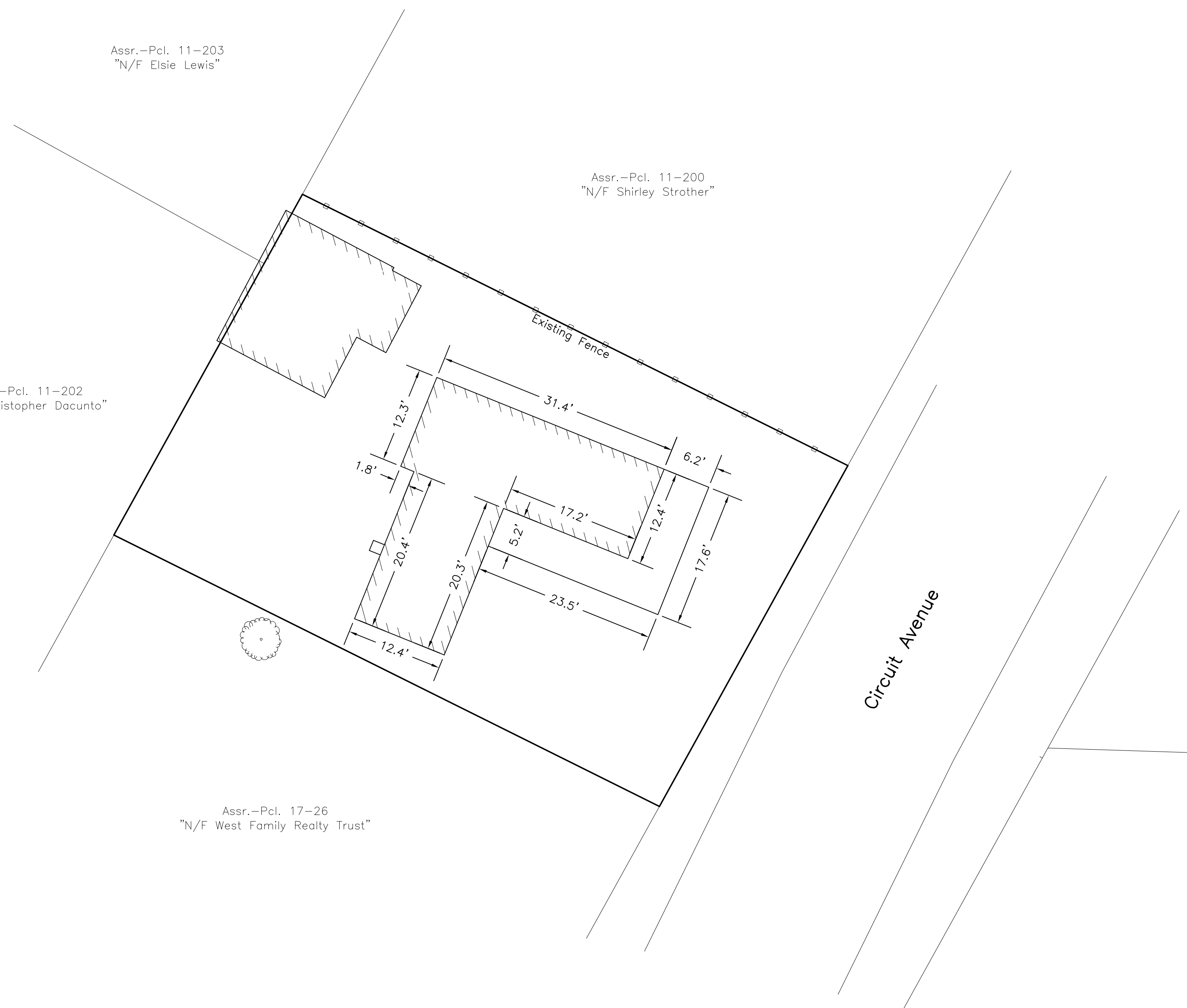


Assr.-Pcl. 11-203
"N/F Elsie Lewis"

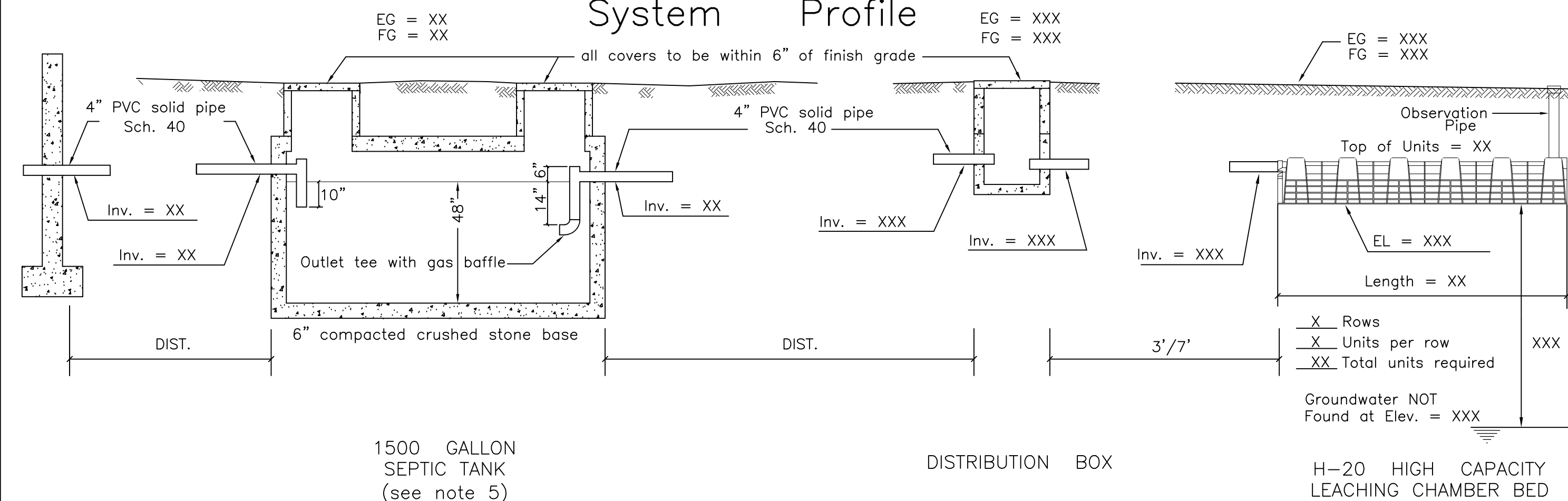
Assr.-Pcl. 11-200
"N/F Shirley Strother"

Assr.-Pcl. 11-202
"N/F Christopher Dacunto"

Assr.-Pcl. 17-26
"N/F West Family Realty Trust"



System Profile



System Cross Section

NOTE: Not to scale

To avoid compaction, no machinery is allowed within three vertical feet of bottom of excavation without the specific approval of the design engineer. This leaching facility is not designed for H-20 loads and shall not be driven upon, even though H-20 leaching chambers are specified.

Notes

- This plan is to be used only for the approval and installation of a sewage disposal system and is not to be used for any other purpose.
- All construction and components shall conform to Massachusetts State Environmental Code TITLE V and Local Board of Health Requirements.
- This design does not warrant the location of underground pipes, wires, utilities or other underground structures. The installer shall be responsible for locating and relocating these objects as necessary.
- No garbage grinder is allowed with this system.
- Any portion of this system subject to vehicular traffic shall be capable of H-20 loading.
- An observation pipe shall be placed as shown and capped at grade so as to allow monitoring of liquid level in the leaching system. Place re-rod flush at each to aid in relocating with metal detector.
- All access covers are to weigh at least 150 lbs. or screwed down.
- Leaching Chambers shall consist of Infiltrator high capacity, ADS high capacity biodiffuser or an approved equivalent.
- Any clean sand fill required by this design is to have less than 4% passing the No. 100 sieve.
- No wells could be found within 150' of the proposed leaching facility.
- The engineer is to stake the leaching field prior to any excavation.
- The engineer (AND the local approving authority) is to inspect and approve the installation and placement of all septic components before final backfilling.
- A letter certifying satisfactory construction of this system is to be provided to the owner and the Board of Health by the Engineer.

Design Criteria

Design Hydraulic Loading:
4 Bedrooms x 110 GPD/Bedroom = 440 GPD

Septic tank capacity:
Required: 440 GPD x 200% = 880 Gal. minimum
Septic tank provided = 1500 Gal.

Leaching Capacity Provided:
H-20 High Capacity Leaching Chamber Bed
21 Leaching Chamber Units
21 Units x 6.25 linear ft./unit x 4.72 sq.ft./linear ft. = 619 sq.ft.
619 sq.ft. x 0.74 GPD/sq.ft. = 458 GPD

* Per modified certification for general use High capacity leaching chamber units are allowed 4.7 sq.ft. leaching area per lineal ft. in bed configuration.

Proposed Septic System UPGRADE on Land in OAK BLUFFS, MASS.

Designed for: STANLEY JOHNSON

Street Address: #260 CIRCUIT AVENUE

Assessor No.: 11-201

Lot Area: ±3,877 Sq.Ft.

Designed By: Reid G. Silva, P.E.

Checked By: _____

Date: January 7, 2021

Revised: _____

SOIL DATA

Soil evaluator: Reid G. Silva, P.E.

Witnessed By: XXXXX

Deep Observation Hole 1.		
Date:	Surface elevation =	
Depth	Horizon	Texture
0"-6"	A	Sandy loam
6"-24"	B	Loamy sand
24"-48"	C1	Loamy sand
24"-48"	C2	Medium sand

Perc. rate < 5 mpi. @48"
No groundwater found at Elev. =

Deep Observation Hole 2.		
Date:	Surface elevation =	
Depth	Horizon	Texture
0"-6"	A	Sandy loam
6"-24"	B	Loamy sand
24"-48"	C1	Loamy sand
24"-48"	C2	Medium sand

Perc. rate < 5 mpi. @48"
No groundwater found at Elev. =

Estimated depth to groundwater = 45'
(as per Groundwater Hydrology of Martha's Vineyard, Mass., Delaney, 1980)

LEGEND

±100.7EXISTING SPOT ELEVATION - W -WATER SERVICE LINE ○TEST HOLE LOCATION

.....PROPOSED CONTOUR - - - - -EXISTING CONTOUR

Assr.-Pcl. 11-203
"N/F Elsie Lewis"

Assr.-Pcl. 11-200
"N/F Shirley Strother"

Existing Fence

Circuit Avenue

Assr.-Pcl. 17-26
"N/F West Family Realty Trust"

