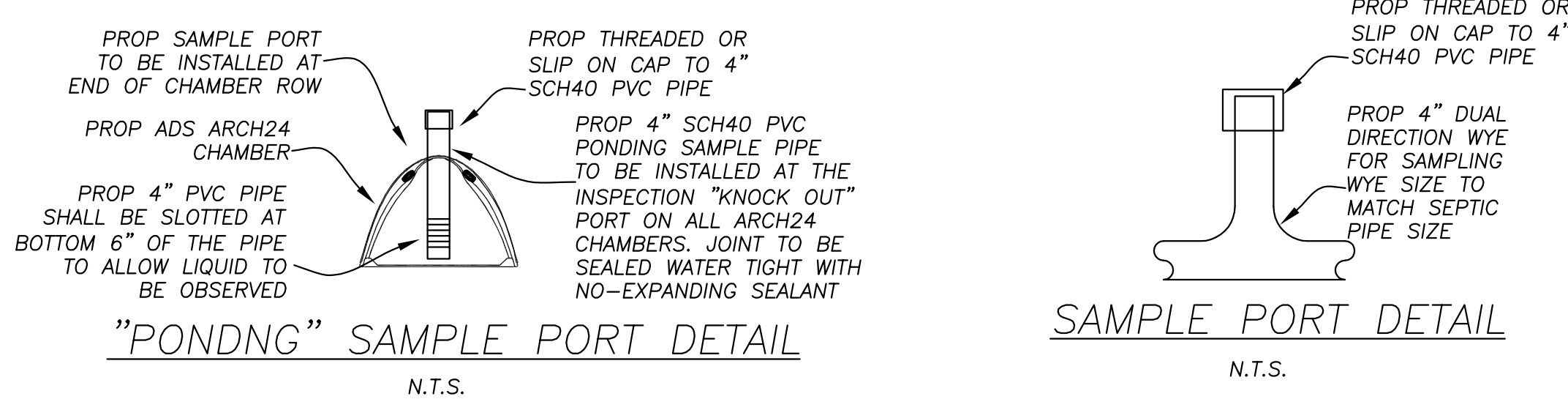
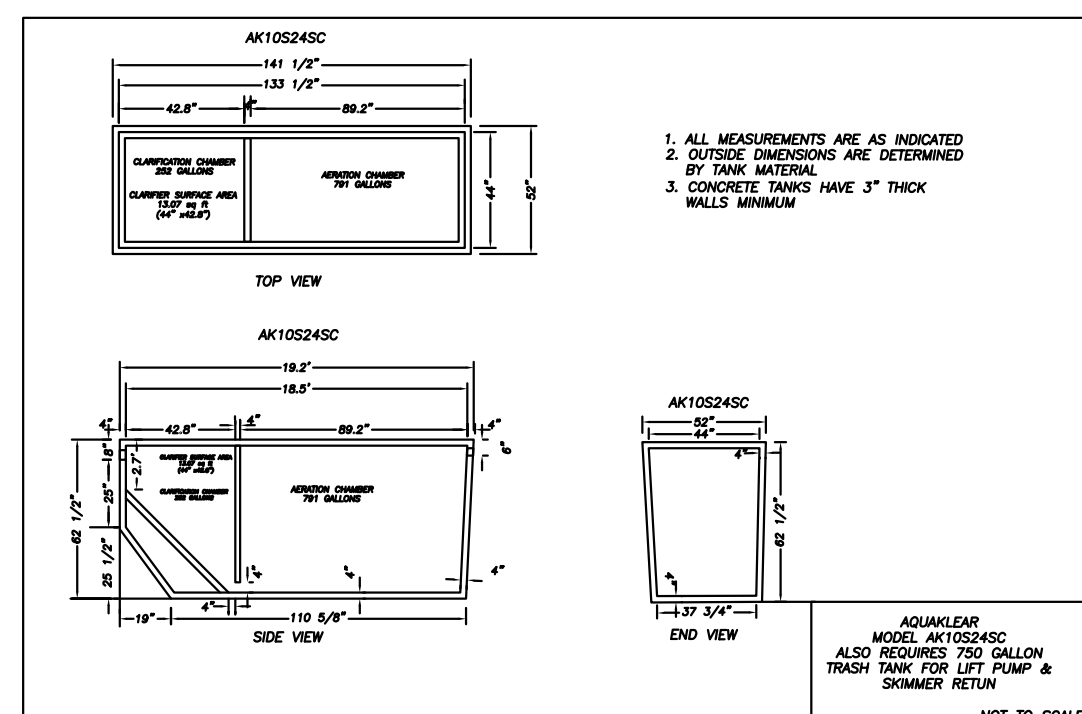
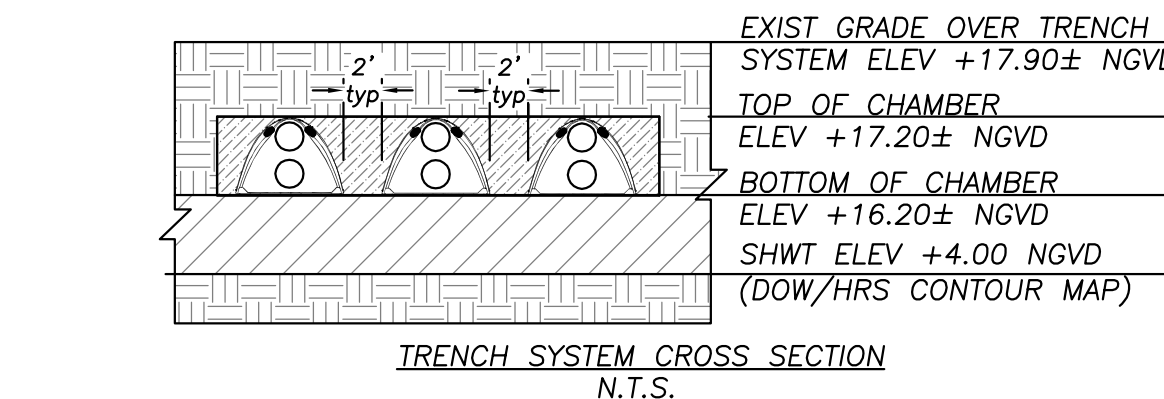
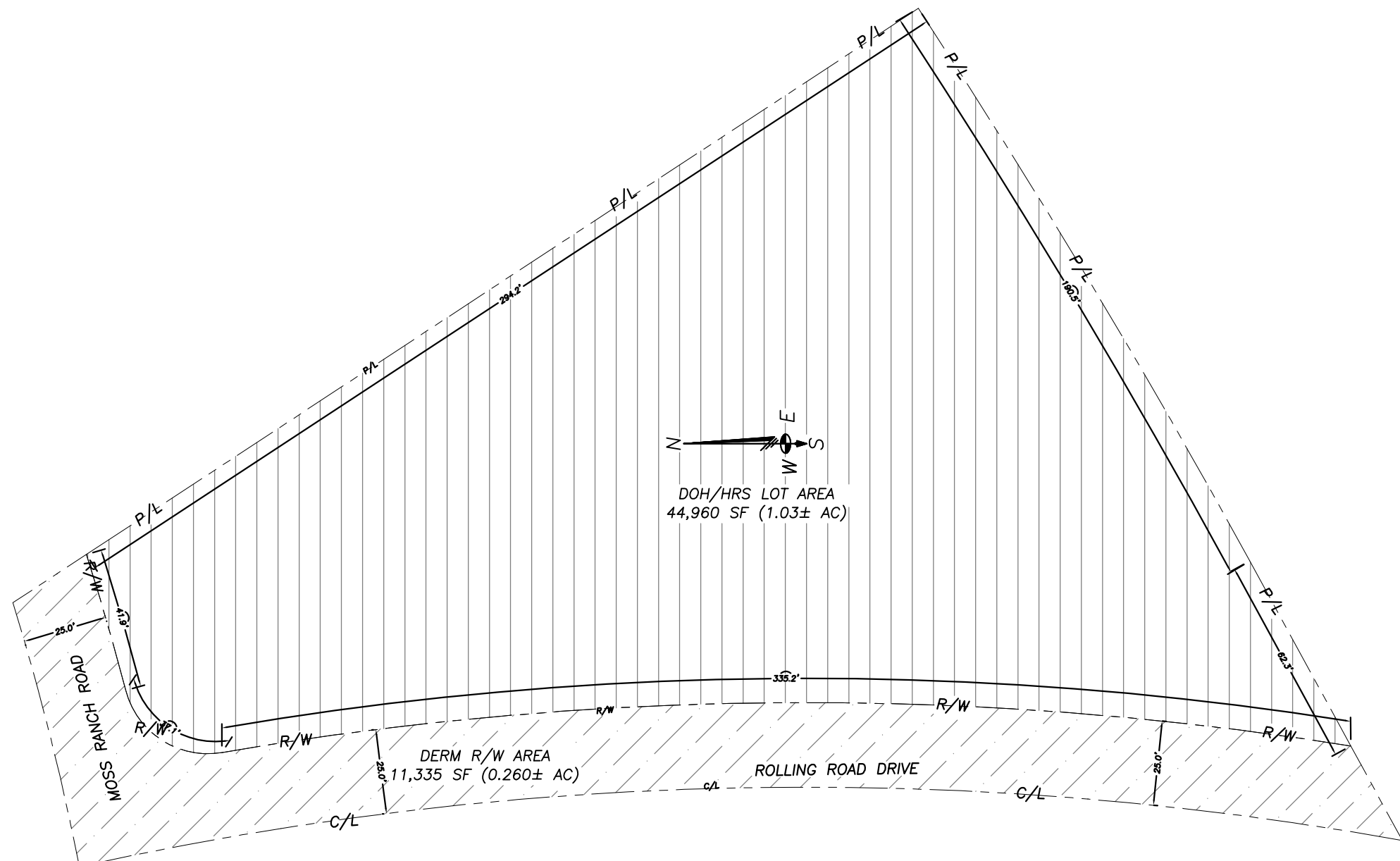
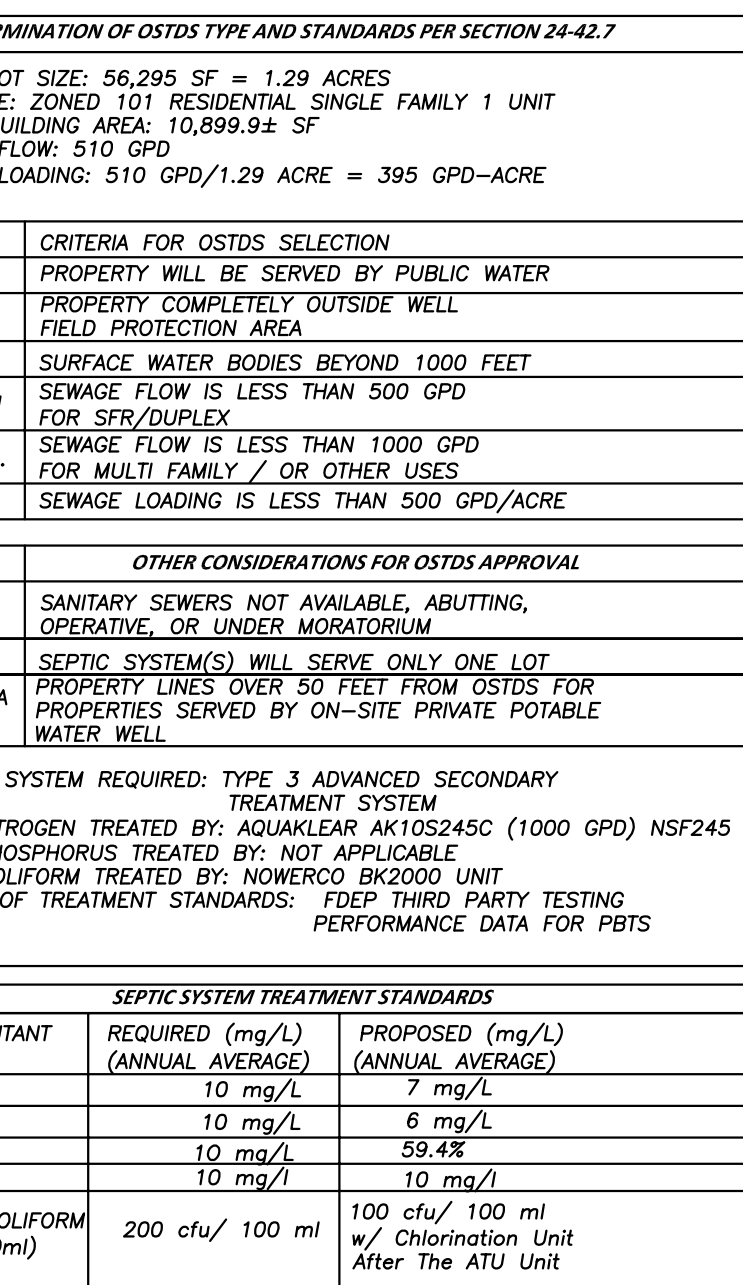




● SOIL BORING LOCATIONS (PER SOIL REPORT)



### OSTDS CALCULATIONS PER CHAPTER 62-6 F.C. 62-6

**AREAS PER CHAPTER 62-6 F.C. 62-6**

- 1. NET LOT SIZE: 44,960 SF = 1.03 ACRES
- 2. LAND USE ZONE: D-1 (1 RESIDENTIAL) PER FAMILY 1 UNIT
- 3. NET BUILDING AREA: 7,161.1± SF UNDER A/C (5 BED)

**SEWER FLOW PER CHAPTER 62-6 F.C. 62-6**

- 1. MAX SEWAGE LOADING ALLOWABLE: 2500 GPD/ACRE) WITH PUBLIC WATER
- 2. AUTHORIZED SEWAGE FLOW: 1.03± ACRES x2500 GPD/ACRE) = 2,575 GPD (NO SINGLE AREA USED)
- 3. UNIT PER A/C ADDITIONAL BEDROOM (B) @ BEDROOM / BUILDING AREA SEWAGE FLOW PER UNIT FLOW: 100 GPD X BEDROOM OR PER 750 SF AFTER 100 GPD ADDITIONAL BEDROOM (B) @ BEDROOM
- OR EACH ADDITIONAL 750 SF
- 4. TOTAL FLOW FOR SINGLE FAMILY: 760 GPD

**TREATMENT TANK AND DRAINFIELD CHAPTER 62-6 F.C. 62-6**

- 1. PROPOSED SYSTEM: AQUAKLAK A901254SC & BROOKWOOD K26000 MINIMUM TREATMENT CAPACITY TABLE 1
- 2. DRAINFIELD CONFIGURATION: TRENCH
- 3. DRAINFIELD TYPE: 40" DEEP, 18" SPACING
- 4. DRAINFIELD MATERIAL: STANDARD SUBSURFACE
- 5. MAXIMUM ALLOWED LOADING RATE FOR THE PROPOSED DRAINFIELD: 0.80 GAL/SF-DAY
- 7. DRAINFIELD SIZE: 760 GPD / 0.80 GAL/SF-DAY = 950 SF REQUIRED
- 8. 950 SF PROVIDED

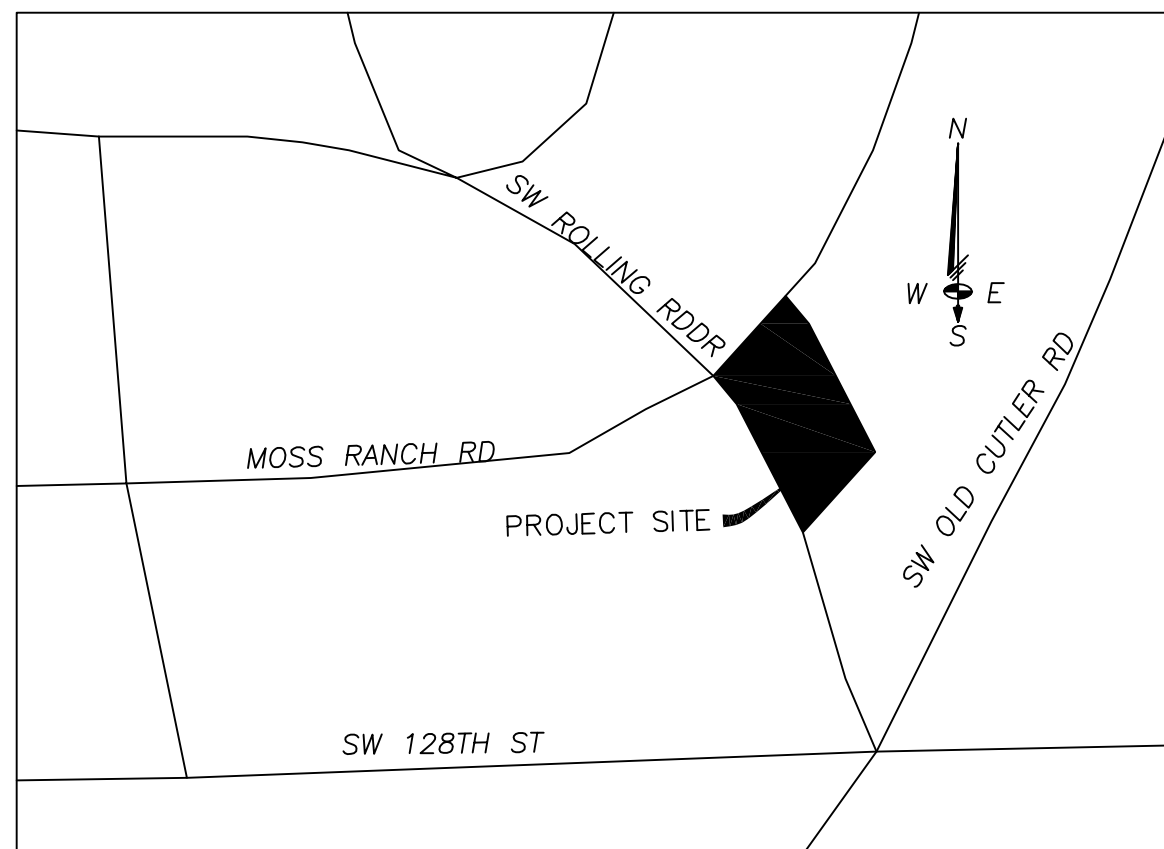
**GROUND WATER/DRAINFIELD SEPARATION CHAPTER 62-6 F.C. 62-6**

- 1. EXISTING GRADE ELEVATION AT SEPTIC SYSTEM: +17.90 ND
- 2. SEASONAL HIGH WATER TABLE: +4.00 ND
- 3. DRAINFIELD BOTTOM ELEVATION: +16.00 ND
- 4. SEPARATION BETWEEN SEPTIC AND DRAINFIELD: 166.8 INCHES

**ADDITIONAL SEPTIC SYSTEM DATA CHAPTER 62-6 F.C. 62-6**

- 1. BASIS OF SYSTEM DESIGN: TRENCH FORMAL & ATU
- 2. REDUCTION NUMBERS ARE BASED ON TESTING OF AK62544S
- 3. SEASONAL HIGH WATER TABLE: 10' FROM HEALTH DEPT. CONTOUR MAP
- 4. CHLORINATOR UNITS AFTER THE ATU AND BEFORE THE DRAINFIELD
- 5. SEPARATION BETWEEN SEPTIC AND DRAINFIELD: 166.8 INCHES
- 6. COLIFORM PRIOR TO EFFLUENT FLOWING TO DRAINFIELD AREA
- 7. TO CONVERT ND9029 DATA TO NAVD83 DATA SUBTRACT ELEVATION BY 1.58 FT. TO GET THE PLANS AND HEALTH DEPT FORMS ARE IN ND9029 DATUM

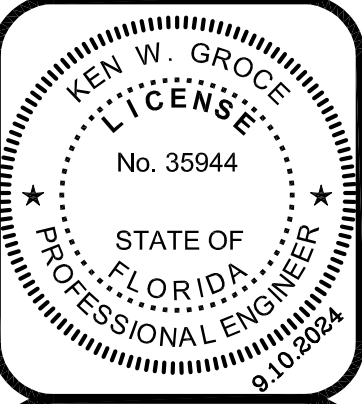
1. No Trees or Heavy Vegetation Shall be Installed Of The Drain Field Area
2. Only Solid Grass Will be Allowed Over The Drain Field Area
3. No Driveway, Driveway Drains, Drains, Or Sewer Lines Shall be Located On The Site Plan Shall Not be Closer Than 50 Feet To A Proposed Or Existing Non-Potable Well, 100 Feet To A Proposed or Existing Domestic Drinking Water Well, 100 Feet To A Proposed or Existing Domestic Water Line, And No Closer Than 10 Feet To A Public Water Main
4. There Shall Be No Vehicle Parked Or Driven Over The Service Line And The Drop Line
5. The Proposed Aerobic Treatment Unit (ATU) Tank Shown On The Site Plan Shall be Located In A Landscape Area Only. If Located In A Traffic Area The Proposed ATU Tank Shall Be Located In A Traffic Area
6. The Proposed Pump Tank Shown On The Site Plan Shall be Located In A Landscape Area Only. If Located In A Traffic Area The Pump Tank Shall Be Located In A Traffic Area

[illegible]

SCALE: 1" = 300'

**CHEROKEE CONSULTING, INC**  
CIVIL ENGINEERS  
5821 SW 51 TERRACE, MIAMI, FLORIDA 33155  
Phone: 305.205.2361; E-Mail: kugrocc@att.net  
Certificate of Authorization 27419

**CAROL CASTRO RESIDENCE**  
WATER AND SEWER FACILITIES  
SEPTIC PLAN, NOTES & DETAILS  
12715 ROLLING ROAD DRIVE

[illegible]

THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY  
KEN N. GRODE P.E. ON THE DATE

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ELECTRONIC COPIES

For The Firm By:  
KEN W. GROCE, P.E.  
FL. Reg. No. 35944  
Civil Engineer

|                          |     |
|--------------------------|-----|
| Scale: As Shown In Views |     |
| Designed By:             | KWG |
| Drawn By:                | QSC |

|             |          |
|-------------|----------|
| Drawn By:   | CDS      |
| Checked By: | KWG      |
| Date:       | 5.2.2023 |
| Project No: | 23-26    |

Sheet:

WS-1 1 OF 1