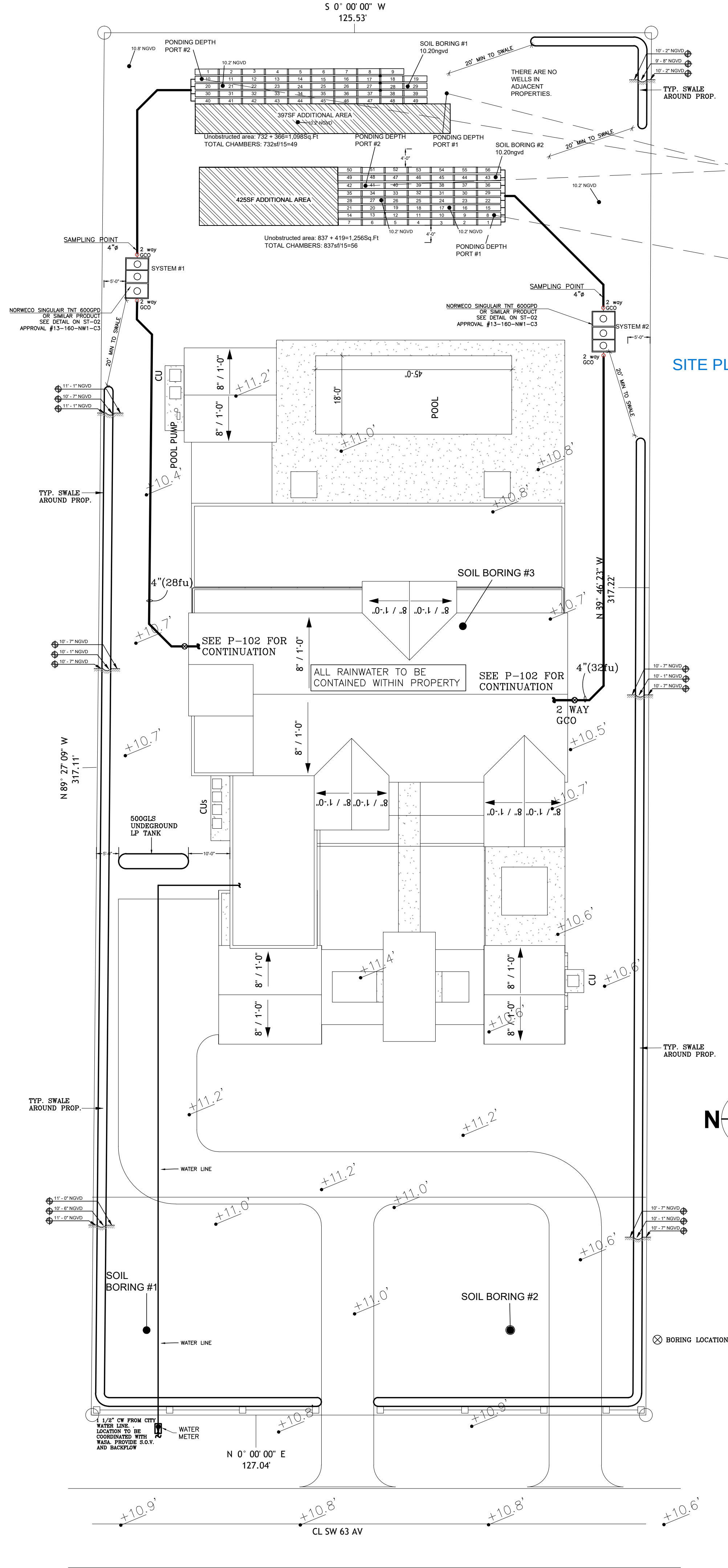
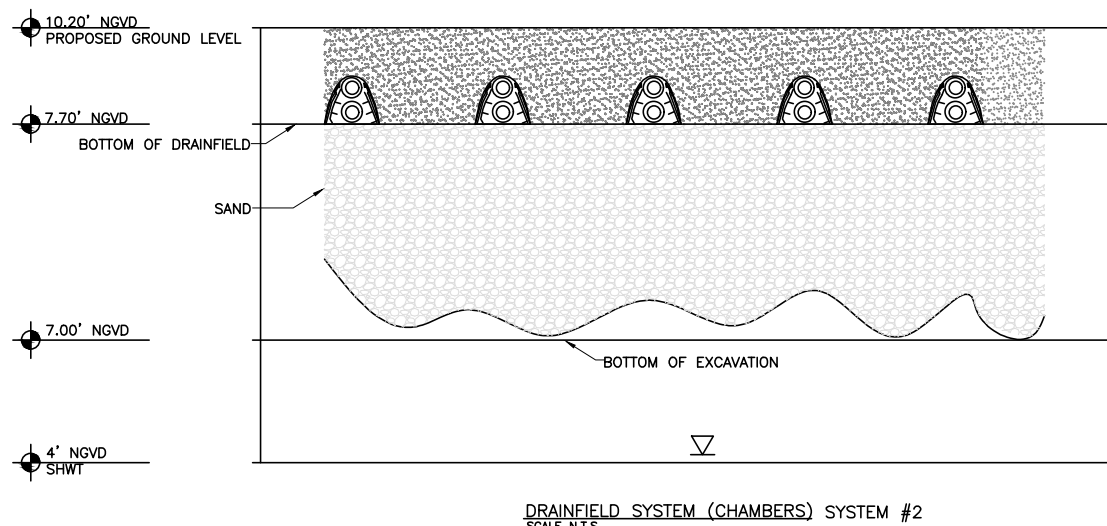
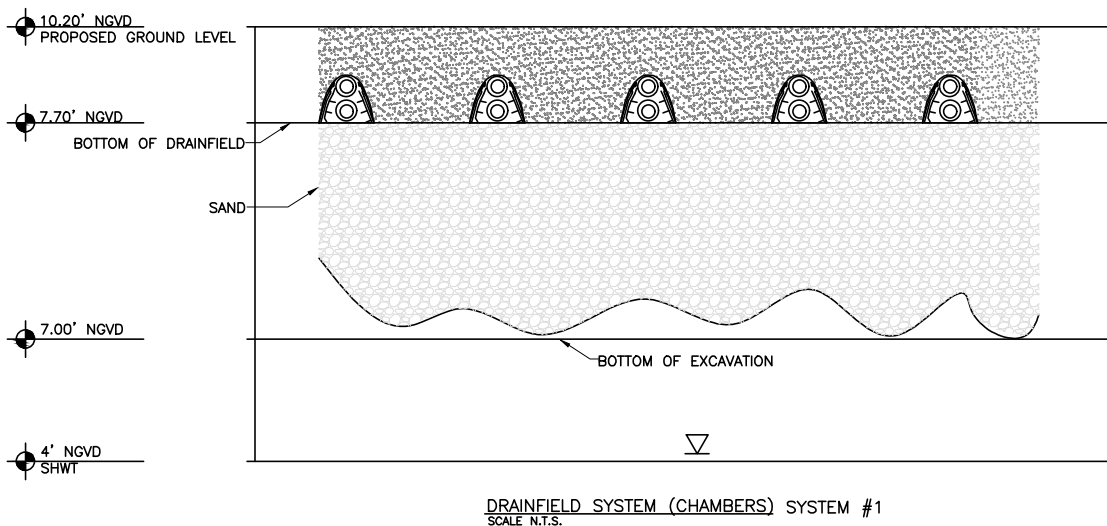


SITE PLAN APPROVED BY JOSE R. VALDIVIESPO UNDER



DETERMINATION OF OSTDS TYPE AND STANDARDS PER SECTION 24-42.7		
GROSS LOT SIZE = 43,498 SF = 0.99 ACRES		
LAND USE: Residential		
GROSS BUILDING AREA = 11,414 SF		
SEWAGE FLOW = 510 GPD		
SEWAGE LOADING = 510 GPD / 0.99 ACRES = 511 GPD/ACRE		
Y/N	CRITERIA FOR OSTDS TYPE SELECTION	
X	PROPERTY WILL BE SERVED BY PUBLIC WATER	
X	PROPERTY COMPLETELY OUTSIDE WELLFIELD PROTECTION AREA	
X	SURFACE WATER BODIES BEYOND 1,000 FEET	
X	SEWAGE FLOW IS LESS THAN 500 GPD FOR SFR/DUPLEX	
X	SEWAGE FLOW IS LESS THAN 1,000 GPD FOR MULTI-FAMILY/OTHER USES	
X	SEWAGE LOADING LESS THAN 500 GPD/ACRE	
Y/N	OTHER CONSIDERATIONS FOR OSTDS APPROVAL	
X	SANITARY SEWERS NOT AVAILABLE, ABUTTING, OR OPERATIVE	
X	SYSTEM WILL SERVE ONLY ONE LOT	
X	PROPERTY LINES OVER 50 FEET FROM OSTDS FOR PROPERTIES SERVED BY A POTABLE WATER WELL	
TYPE OF SYSTEM REQUIRED: TYPE 3-ADVANCE SECONDARY TREATMENT STANDARDS		
TOTAL NITROGEN TREATED BY: 600 GPD NORWECO SINGULAR TNT 500 UNIT		
TOTAL PHOSPHORUS TREATED BY: NO REDUCTION		
FECAL COLIFORM TREATED BY: CHLORINATOR/OXIDIZER BIOKINETIC FILTER		
SOURCE OF TREATMENT STANDARDS: PDPP TESTING PERFORMANCE DATA FOR PBTS		
TREATMENT STANDARDS		
POLLUTANT	REQUIRED (mg/L) (ANNUAL AVERAGE)	PROPOSED (mg/L) (ANNUAL AVERAGE)
CBOD ₅	10 MG/L	4 MG/L
TSS	10 MG/L	9 MG/L
TN	>=50% Reduction-30 MG/L	68%
TP	10 MG/L	10 MG/L
FECAL COLIFORM (cfu/100ml)	200 CFU/100 ML	2 CFU/100 ML

OSTDS CALCULATIONS PER CHAPTER 62-6 F.A.C.	
NET LOT SIZE = 40,101 S.F. = 0.92 ACRES	
LAND USE: Residential	
BUILDING AREA = 9,387 S.F.	
SEWAGE FLOW	
MAXIMUM SEWAGE LOADING ALLOWANCE = 8500 GPD/ACRE (1,500 GPD/ACRE OR 2,500 GPD/ACRE)	
AUTHORIZED SEWAGE FLOW = 8500 GPD/ACRE x .99 ACRES = 8,475 GPD	
UNIT FLOW CRITERIA (PER TABLE 1): Residential Table 1	
SEWAGE FLOW PER UNIT FLOW = 439 GPD/500 GPD	
TOTAL SEWAGE FLOW = 840 GPD	
TREATMENT TANK AND DRAINFIELD	
PROPOSED SYSTEM: 600 GPD NORWECO SINGULAR TNT UNIT	
MINIMUM REQUIRED TREATMENT CAPACITY = 600 GPD	
DRAINFIELD CONFIGURATION: BED	
DRAINFIELD TYPE: STANDARD	
DRAINFIELD MATERIAL: CHAMBER	
MAXIMUM SEWAGE LOADING RATE FOR THE PROPOSED DRAINFIELD = 0.80 GAL/FT ² /DAY	
DRAINFIELD SIZE: 439/80 GPD / .80 GAL/FT ² /DAY = 750 S.F.	
SEPARATION BETWEEN THE SHWT AND BOTTOM OF THE DRAINFIELD (ELEVATIONS IN NAVD 83)	
GRADE ELEVATION: 10.20 FT	
SEASONAL HIGH WATER TABLE ELEVATION = 4.0 FT	
ELEVATION AT THE BOTTOM OF THE DRAINFIELD = 7.20 FT	
SEPARATION BETWEEN SHWT AND BOTTOM OF DRAINFIELD = 44.4 INCHES	



THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES AND ACROSS THE STREET THAT MAY AFFECT THE SYSTEM INSTALLATION

Certification of Design
I certified that the engineering features of this performance-based treatment system have been designed or specified by me and conform to engineering principles applicable to such projects. In my professional judgment, this system, when properly constructed, operated and maintained, will achieve the established performance standard and comply with all applicable status of the State of Florida and rules of the Department.
This is based on average Testing Performance Data for components of Performance-Based Treatment Systems (PBTS) by E. Roeder, for innovative system testing in Florida, or from test centers for evaluation of use in nutrient and fecal coliform reducing PBTS or from test centers for NSF-certification as Aerobic Treatment Units (ATUs).
Florida-approved NSF 40-Certified Models
Florida-approved NSF Standard 245
Nitrogen-Reducing, certified Aerobic Treatment Units in Florida (Rule 64E-6.012, Florida Administrative Code)
Norweco Singular TNT-500, 600, 750, 800, 1000, 1250, 1500
Average Total Nitrogen Reduction NSF 245 Completion report 68%
Singular TNT TN=6.80 mg/L, CBOD5=6 mg/L, TSS=10 mg/L
TP treatment anticipates sufficiently low influent concentrations and is expected to meet the establish performance standard.
Testing facility: Chelsea, MI

SEPTIC TANK CALCULATIONS AS PER F.A.C. 62-6.008

HOUSE WITH 9,387 A/C AND 6 BEDROOMS

9,387-3300=6,087= 400 GPD
6,087/750= 9x60= 540 GPD
TOTAL 940 GPD

THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES OR ACROSS THE STREET THAT MAY AFFECT THE ONSITE SEWAGE DISPOSAL AND TREATMENT INSTALLATION.

PROPOSED DRAIN FIELD & SEPTIC TANK SHOWN ON THIS DRAWING ARE OVER 100' AWAY FROM EXISTING ADJACENT PROPERTIES POTABLE WELLS. ALL POTABLE AND NON-POTABLE WELLS SHALL BE OVER 100' AWAY FROM ADJACENT PROPERTIES SEPTIC TANK AND DRAINFIELD. THIS CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION THIS EXISTING CONDITION AND NOTIFY THIS OFFICE OF ANY CONFLICT OR CHANCE.

DRAINAGE FIELD CALCULATIONS AS PER F.A.C. 62-6.008

DESIGN
BED SYSTEM ON SANDY LIMESTONE LOADING RATE 0.6 GAL/[SF/DAY]

CALCULATION (TOTAL FU=60)
SYSTEM #1 (BED) (28fu):
28F.U. of 60F.U. x 940GPD=439 GPD
PROVIDE MINIMUM 732 Sq.Ft./Min. Unobstructed area: 1,098 Sq.Ft
TOTAL CHAMBERS: 732/15=49

SYSTEM #2 (BED) (32fu):
32 F.U. of 60F.U. x 940GPD=502 GPD
PROVIDE MINIMUM 837 Sq.Ft./Min. Unobstructed area: 1,256 Sq.Ft
TOTAL CHAMBERS: 837/15=56

SEWAGE WATER SYSTEM SPECS

UNIT CAPACITY
1,300 GAL MULTICHAMBERED
600 GALLONS TANK CAPACITY. BENCHMARK: 10.9'
ELEVATION OF PROPOSED SYSTEM SITE 0.7 INCHES ABOVE BENCHMARK
BOTTOM OF DRAINFIELD#1 TO BE 38.4 INCHES BELOW BENCHMARK
BOTTOM OF DRAINFIELD#2 TO BE 38.4 INCHES BELOW BENCHMARK

MINIMUM SETBACK WICH CAN BE MAINTAINED FROM THE PROPOSED SYSTEM TO THE FOLLOWING FEATURES:
BUILDING FOUNDATIONS 5FT
PROPERTY LINES 5FT
POTABLE WATER LINES 8FT
SITE ELEVATION 10.20' NGVD SYSTEM #1
SITE ELEVATION 10.20' NGVD SYSTEM #2
SHWT = 4' NGVD

SECTION No. 1 COVER LETTER

Miami-Dade Department of Health
O.S.T.D.S. Program
Miami Dade County Building
11805 S.W. 26th St.
Miami, FL 33175

ENGINEER OF RECORD: Daniel Gutierrez
Florida State Licensed Engineer, Lic. No. 049086
Address: 29111 Kinsington Court
Wesley Chapel, FL 33544

REFERENCE: NEW RESIDENCE
MCDONOUGH
10635 SW 63 AV
MIAMI, FL

LEGAL DESCRIPTION: LOT 2, BLOCK 6, OF: " HELMS COUNTRY ESTATES ADDITION", ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 51, PAGE 64, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

PROPERTY ID: 20-5012-004-0530

We are hereby requesting approval of a Performance-Based Treatment System (PBTS) designed for, and to be installed upon, the property being dealt with. The Engineer of record, the certified installment entity, (Sarima Batista, Registered Septic Tank Contract and/or personnel under her supervision), the Aerobic Treatment Unit providers and warrantors in the State of Florida (SB Engineering, Inc) and the primary manufacturer (NORWECO, INC.) will be involved in all necessary activities to warranty the complete installation as well as the maintenance thereof.

WTIMDR Engineered ATU
Operation, Maintenance, and Inspection Specifications

Operation:

Power supply to all electric components must remain constant at all times. It is not acceptable to disconnect power from the system at any time except under the direction of the maintenance entity or in case of emergency.
Homeowner is not to power off during extended absences from home, vacations or otherwise. Liquid waste treatment additives shall not be used
Maintenance and inspection 2year contract

-Inspections: Effluent monitoring and preventative maintenance shall be performed as required by 62.6 Part 1, FAC.
-First inspection: At system installation by engineer.
-Second: After system has been in operation a total of 6 months by maintenance entity.
-Thereafter: every 6 months, as part of maintenance entity inspection. Maintenance entity inspection to include:
Solids Check accumulation (expect pump-out every 3 to 5 years)
Blower: Confirm proper operation; clean air filter, as required.
Alarms: Trip all alarms manually to confirm effective operation
Outlet Filter: Operate filter plunger. Remove, clean, and reinstall as required.
Pump: Check operation by manually tripping float switch. Operate each pump manually at control panel
-Monitoring to be conducted semi Annually
Monitoring: Sampling: At SAMPLING PORT
Pollutant to be check

- Ponding depth quarterly
- TN $\leq$ 50% Reduction
- TP $\leq$ 10 mg/l
- Fecal coliform = $\leq$ 200 fc col/100 ml

Contingency

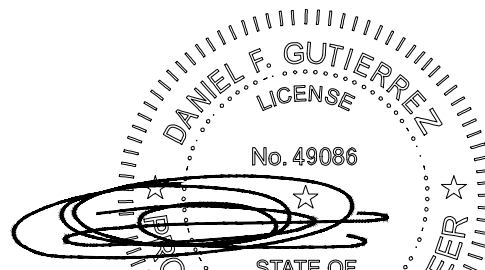
- At the high water level, the system alarm sound. The Owner must contact the Maintenance entity within 24 hours of alarm.
- Maintenance entity personnel will inspect the system, and order a repair on the problem as necessary, within 36 hours as specified in 62-6.012 (4)(b)
- Owner shall be have tanks pumped as required to prevent the creation of sanitary nuisance conditions until such time as repairs are effected which prevent sanitary nuisance conditions.

NEW RESIDENCE

GS JPD 10635 LL

10635 SW 63 AV
MIAMI, FL

SEAL



03-11-25

DANIEL F. GUTIERREZ, P.E.
ELECTRICAL ENGINEER

LIC. #0490

REVISIONS

NO.	DESC	DATE

SCHEMATIC SET

SI



JOB NUMBER:

CHECKED BY:

ISSUE DATE: Issue C

SCALE: AS NO1

SHEET TITLE

SITE SEPTIC TANK
DETAILS &
SPECIFICATIONS

SHEET NUMBER

ST-01

COPYRIGHT BALLI-TRAUTMAN ARCHITECTS, LLC
1533 SUNSET DRIVE SUITE 101, CORAL GABLES, FL

"This item has been digitally signed and sealed by Daniel F. Gutierrez on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies"

DANIEL F. GUTIERREZ, P.E.
LIC. #049086

29111 KINSINGTON COURT
WESLEY CHAPEL
FL 33544
PH: (786) 499-4167
Email: danny@dfgeni.com

DG CONSULTING ENGINEERS, LLC
DESIGN — INSPECTIONS