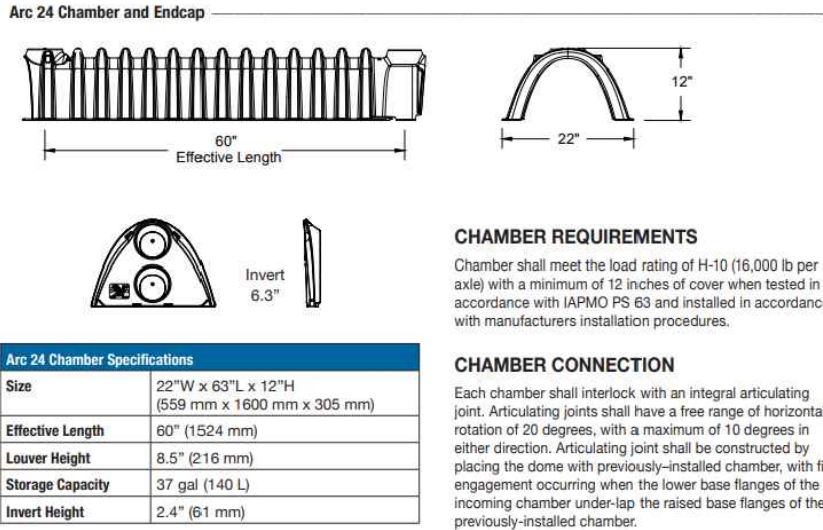
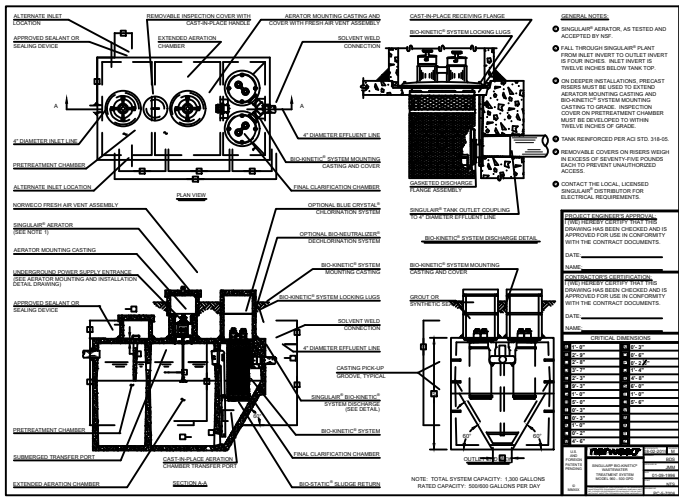




TREATMENT STANDARDS		
POLLUTANT	REQUIRED (M G/L) (ANNUAL AVERAGE)	PROPOSED(MG/L) (ANNUAL AVERAGE)
CBOD	10 MG/L	4 MG/L
TSS	10 MG/L	9 MG/L
TN	50 % REDUCTION	68 %
TP	10 MG/L	10 MG/L
FECAL COLIFORM (CFU/100ML)	200 CFU/100 ML	2 CFU/100ML

WT/MDR ENGINEERED ATU POERATION,MAINTENANCE AND INSPECTION SPECIFICATIOI

Operation:

Power supply to all electric components must remain constant at all times.It is not acceptable to disconnect power from the sytem 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, vacation or otherwise.Liquid waste treatment additives shall not be used .

Maintenance and inspection 2/ year contract

-Inspections Effluent monitoring and preventative maintenance shall be performed as required by 62-6 Part I, 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 include.

Solids Check accumulation (expect pump- out every 3 to 5 years)

Blower:Confirm proper operation, clean air filter as required.

Alarm:Trip all alarms manually to confirm affective 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

Pollutant to be check

- *Ponding depth quarterly
- TP ≤ 10 mg/l
- TSS 10mg/l Reduction
- TN ≤ 50% Reduction
- CBOD 10mg/lReduction
- Fecal coliform = ≤ 200 fc col/100 ml

CONTINGENCY

1- At the high water level, the system alarm sound.The owner must contact the Maintenance entity within 24 hours of alarm.

2- Maintenance entity personnel will inspect the system, and order a repair on the problem as necessary, within 36 hours as specified in 62-6 FAC.

3- Owner shall be have tanks pumped as required to prevent the creation of sanitary nuisance conditions until sunch time as repairs are effected which prevent sanitary nuisance conditions.

Certification of design

I Certified that the engineering features of this performance-based systemhave 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 achive the established performance standard and comply with all applicable status of the Status of Florida and rules of the Department.

This is based on average Testing Performance Data for components of Performance-Based Treatment System (PBTS) by E. Roeder for innovative system testing in Florida or from test center for evaluation of use in nutrient and fecal caliform reducing PBTS or from test center for NSF-certification as Aerobic Treatment Unit s(ATUs)
Florida-approved NSF 40-Certified Models

Florida-approved NSF standard 245

Nitrogen-Reducing,certified Aerobic Treatment Unit in Florida (Rule 62-6 FAC, Florida Administrative Code)

Norweco Singular 960-500, 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 concentration and is expected to meet the stablish performance standard testing facility Chelsea

COVER LETTER REQUESTING APPROVAL OF A PBTS

Aida Sardinas P.E

FL reg 61836

15263 SW 35 TER MIAMI FL 33185

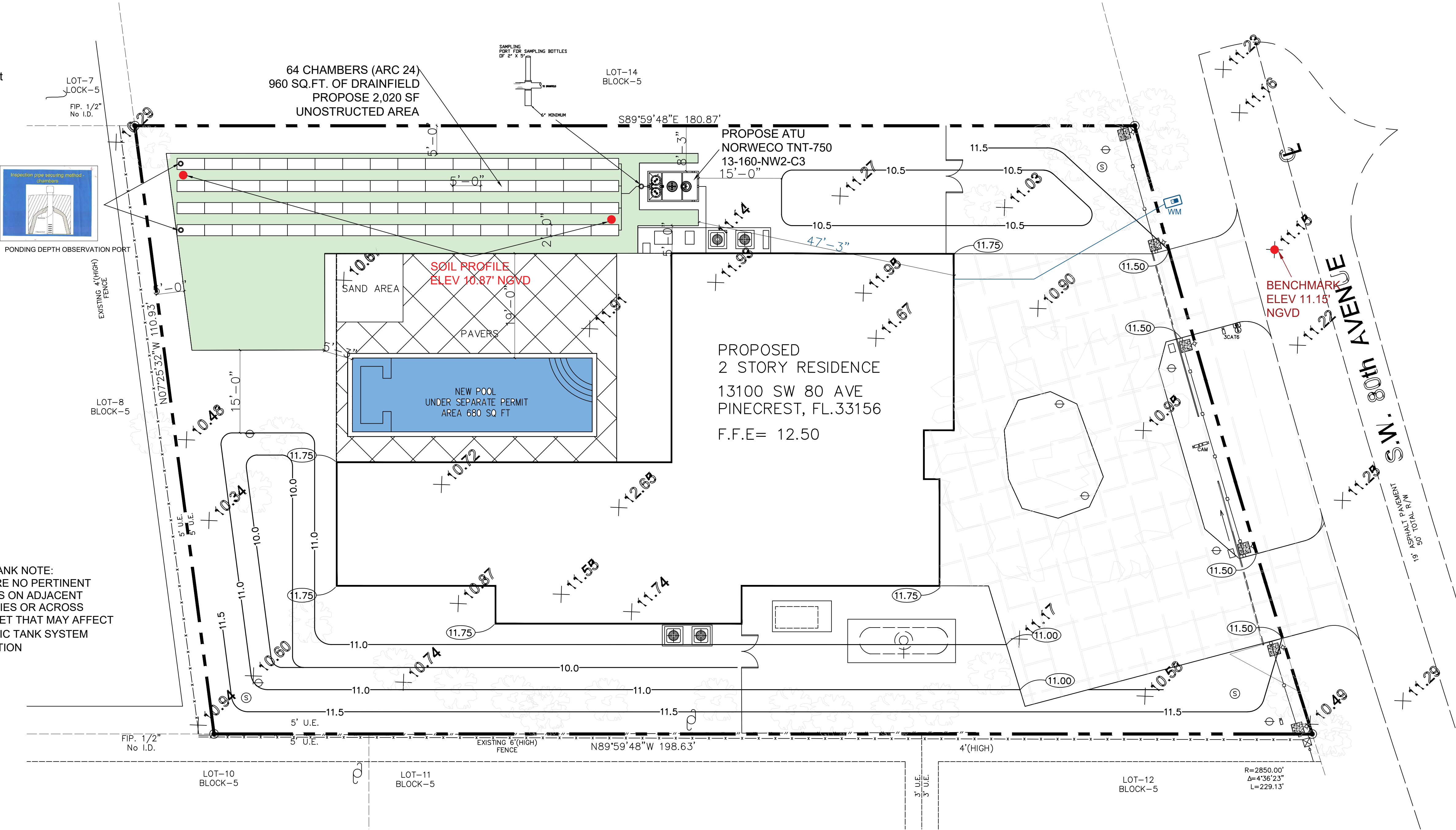
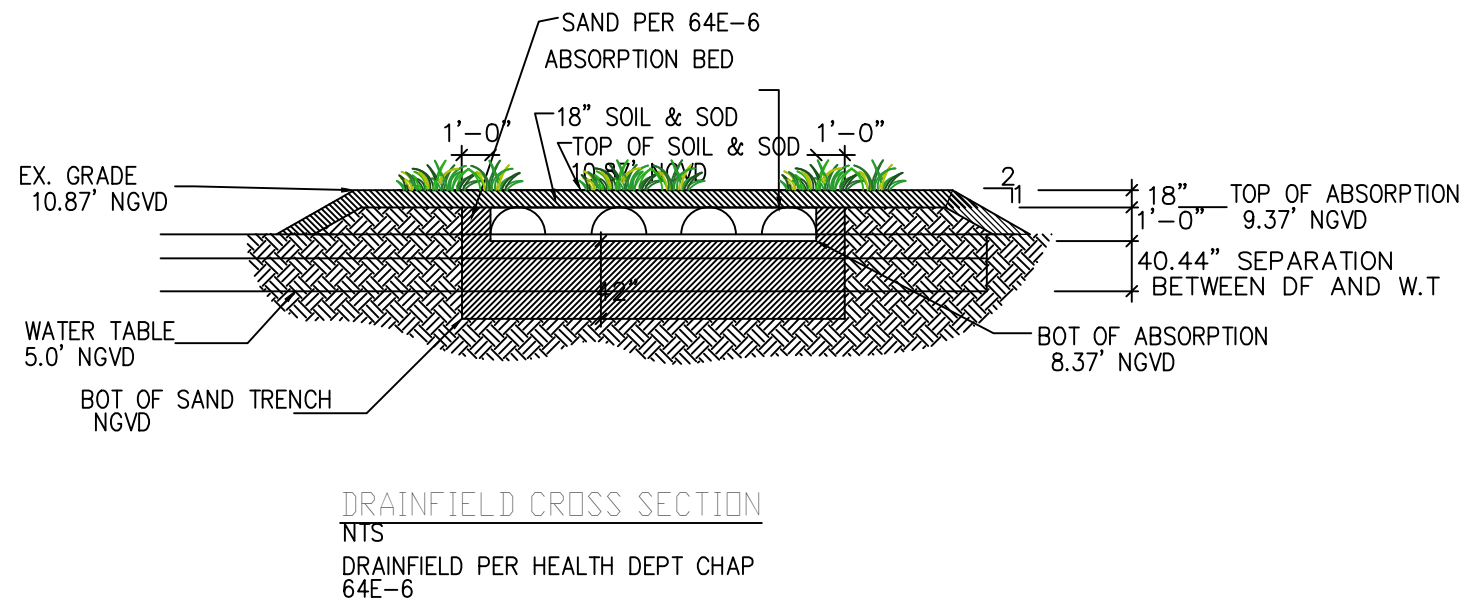
Property for PBTS request.

13100 SW 80 AVE

MIAMI FL

Folio# 20-5015-006-0770

We are hereby requesting approval of a Performance-Base Treatment system (PBTS)



SEPTIC TANK NOTE:
THERE ARE NO PERTINENT FEATURES ON ADJACENT PROPERTIES OR ACROSS THE STREET THAT MAY AFFECT THE SEPTIC TANK SYSTEM INSTALLATION

DETERMINATION OF OSTDS TYPR AND STANDARDS PER SECTION 24-42.7

GROSS LOT SIZE= 23,850 _FT= 0.54 _ACRES

LAND USE: RESIDENCE

GROSS BUILDING AREA = 9,234 _FT

SEWAGE FLOW = 510 _FT

SEWAGE LOADING = 510 _GPD/ 0.54 _ACRES = 944 _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 1000 FEET

X SEWAGE FLOW IS LESS THAN 500 GPD FOR SFR/DUPLEX

SEWAGE FLOW IS LESS THAN 1000 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

PROPERTY LINES OVER 50 FT IN PROPERTIES SERVED BY A POTABLE WATER WELL

TYPE OF SYSTEM REQUIRED: TYPE 3 ADVANCED SECONDARY TREATMENT STANDARS

TOTAL NITROGEN TREATED BY: NORWECO SINGULAR MODEL TNT-750

TOTAL PHOSPHORUS TREATED BY: NO REDUCTION REQUIRED

FECAL COLIFORM TREATED BY: CHLORINATOR / DECHLORINATOR BIOKINETIC FILTER

SOURCE OF TREATMENT STANDARDS: FDEP TESTING PERFORMANCE DATE FOR PBTS

OSTDS Calculations per chapter 62-6 F.A.C

NET LOT SIZE = 21,077 _FT=0.48 _ACRES

LAND USE: RESIDENCE

BUILDING AREA= 7,641 _FT 6 BED

SEWAGE FLOW

MAXIMUN SEWAGE LOADING ALLOWANCE= 2500 _GPD/ACRE (1500 GPD/ACRE OR 2500 GPD/ACRE)

AUTHORIZED SEWAGE FLOW= 2500 _GPD/ACRE X 0.48ACRES= 1,200 _GPD

UNIT FLOW CRITERIA (PER TABLE 1) # OF BEDROOM, BUILDING AREA

SEWAGE FLOW PER UNIT FLOW = 100 GPD PER BEDROOM AND/OR 750 SF AFTER 400 GPD FOR EACH ADDITIONAL BEDROOM OR EACH ADDITIONAL 750 SF OF BUILDING AREA OR FRACTION THEREOF IN A DWELLING UNIT. SYSTEM SIZING SHALL BE INCREASED BY 60 GAL PER DWELLING UNIT.

TOTAL SEWAGE FLOW= 760 _GPD

TREATMENT TANK AND DRAINFIELD

PROPOSE SYSTEM: NORWECO SINGULAR TNT-750 750-800 GPD

MINIMUM REQUIRED TREATMENT CAPACITY =760 _GPD

DRAINFIELD CONFIGURATION: TRENCH

DRAINFIELD TYPE: STANDARD

DRAINFIELD MATERIAL: ARC24

MAXIMUM SEWAGE LOADING RATE FOR THE PROPOSED DRAINFIELD= .8 _GAL/FT DAY

DRAINFIELD SIZE= 760 _GPD/ .8 _GAL/FT DAY= 950 _FT

SEPARATION BETWEEN THE SHWT AND BOTTOM OF THE DRAINFIELD

GRADE ELEVATION = 10.87FT

SEASONAL HIGH WATER TABLE ELEVATION= 5.0 _FT

ELEVATION AT THE BOTTOM OF THE DRAINFIELD = 8.37 _FT

SEPARATION BETWEEN SHWT AND BOTTOM OF DRAINFIELD= 40.44_INCH

REVISIONS	BY

ASMAIDA SARDINAS, P.E.
MECHANICAL • PLUMBING • ELECTRICAL
Florida P.E. 61836

FPM PINECREST 8 LLC
13100 SW 80 AVE MIAMI FL

DRAWN AS
CHECKED CM
DATE 3/13/2025
SCALE 3/32"=1'
JOB NO.
SHEET NUMBER
SP-SEPTIC