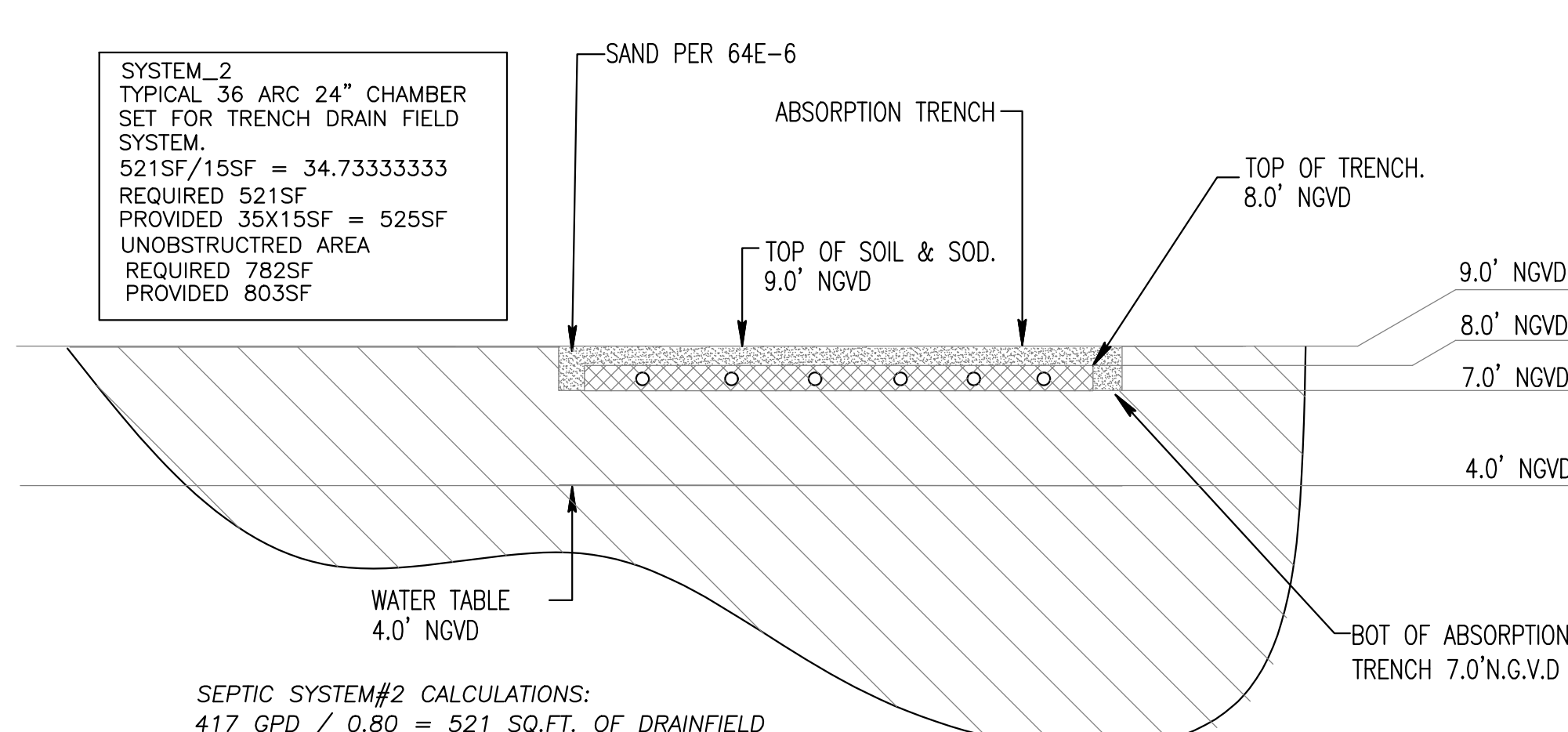
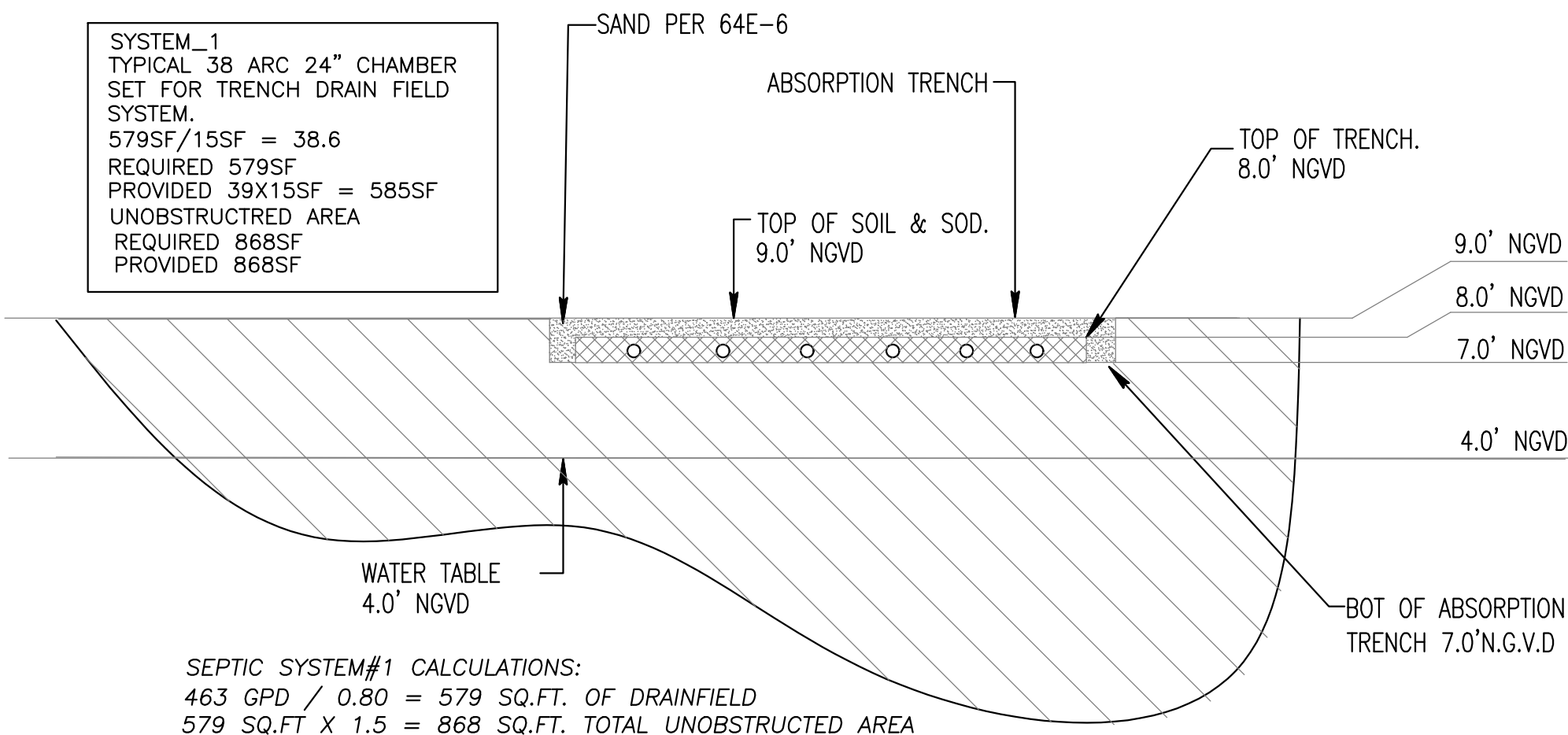
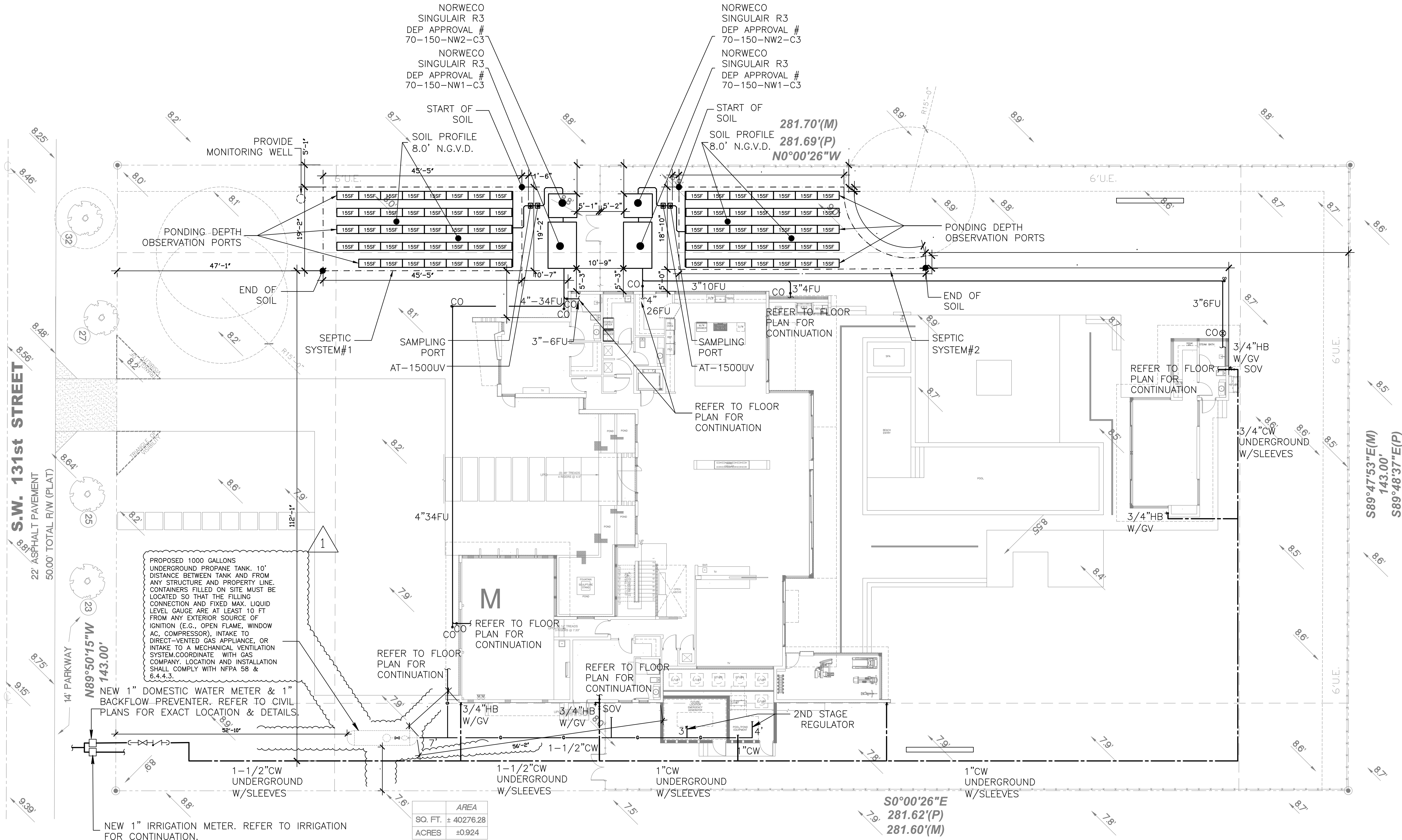


DETERMINATION OF OSTDS TYPE AND STANDARDS PER SECTION 24-42.7		
GROSS LOT SIZE = 43,792 FT ² = 1.001 ACRES		
LAND USE: SINGLE-FAMILY RESIDENCE		
GROSS BUILDING AREA = 11,224 FT ²		
SEWAGE FLOW = 510 GPD		
SEWAGE LOADING = 510 GPD / 1.001 ACRES = 509.5 GPD/ACRE		
Y	N	CRITERIA FOR OSTDS TYPE SELECTION
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
N/A		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
X		PROPERTY LINES OVER 50 FEET FROM OSTDS FOR PROPERTIES SERVED BY A POTABLE WATER WELL
TYPE OF SYSTEM REQUIRED : TYPE 3 - ADVANCED SECONDARY TREATMENT STANDARDS		
TOTAL NITROGEN TREATED BY : NORWECO SINGLAIR R3		
TOTAL PHOSPHORUS TREATED BY : BIOKINETIC SYSTEM		
FECAL COLIFORM TREATED BY : NORWECO SINGLAIR R3 - BIOKINETIC SYSTEM CHLORINATION & DECHLORINATION		
SOURCE OF TREATMENT STANDARDS : TESTING PERFORMANCE DATA FOR COMPONENTS OF PBTS		
TREATMENT STANDARDS		
POLLUTANT	REQUIRED (mg/L) (ANNUAL AVERAGE)	PROPOSED (mg/L) (ANNUAL AVERAGE)
CBOD ₅	10	5
TSS	10	4.6
TN	50%	65.7%
TP	10	10
FECAL COLIFORM (cfu/100ml)	200	2

OSTDS CALCULATIONS PER CHAPTER 62-6 F.A.C.		
NET LOT SIZE = 40,276 FT ² = 0.925 ACRES		
LAND USE: SINGLE-FAMILY RESIDENCE		
BUILDING AREA = 8,936 FT ² & 8 BEDROOMS		
SEWAGE FLOW		
MAXIMUM SEWAGE LOADING ALLOWANCE = 2,500 GPD/ACRE (1,500 GPD/ACRE OR 2,500 GPD/ACRE)		
AUTHORIZED SEWAGE FLOW = 2,500 GPD/ACRE x 0.93 ACRES = 2,325 GPD		
UNIT FLOW CRITERIA (PER TABLE 1) : NUMBER OF BEDROOMS/BUILDING AREA		
SEWAGE FLOW PER UNIT FLOW = 400 GPD FOR 4 BEDS W/ 2251-3300 SQFT + 80 GPD PER ADDITIONAL 750 SQFT		
TOTAL SEWAGE FLOW = 880 GPD		
TREATMENT TANK AND DRAINFIELD		
PROPOSED SYSTEM : NORWECO SINGLAIR R3		
MINIMUM REQUIRED TREATMENT CAPACITY = 880 GPD		
DRAINFIELD CONFIGURATION : TRENCH		
DRAINFIELD TYPE : STANDARD		
DRAINFIELD MATERIAL : CHAMBERS		
MAXIMUM SEWAGE LOADING RATE FOR THE PROPOSED DRAINFIELD = 0.8 GAL/FT ² DAY		
DRAINFIELD SIZE = 880 GPD / 0.8 GAL/FT ² DAY = 1100 FT ²		
SEPARATION BETWEEN THE SHWT AND BOTTOM OF THE DRAINFIELD (ELEVATIONS IN ~~N.A.S.D.~~ N.G.V.D.)		
GRADE ELEVATION = 8.0 FT		
SEASONAL HIGH WATER TABLE ELEVATION = 4.0 FT		
ELEVATION AT THE BOTTOM OF THE DRAINFIELD = 7.0 FT		
SEPARATION BETWEEN SHWT AND BOTTOM OF DRAINFIELD = 36.0 INCHES		



GROSS LOT SIZE = 43,792 SQFT = 1.001 ACRES
GROSS FIRST FLOOR BUILDING AREA = 5,998 SQFT
GROSS SECOND FLOOR BUILDING AREA = 4,624 SQFT
GROSS GUEST HOUSE BUILDING AREA = 602 SQFT
GROSS TOTAL BUILDING AREA = 11,224 SQFT

LOT SIZE = 40,276 SQFT = 0.93 ACRES
FIRST FLOOR LIVING AREA = 4,519 SQFT
SECOND FLOOR LIVING AREA = 3,815 SQFT
GUEST HOUSE LIVING AREA = 602 SQFT
TOTAL LIVING AREA = 8,936 SQFT

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

BENCHMARK/REFERENCE POINT ELEVATION
C/L OF SW 131 ST / SW PROP. LINE 8.46' N.G.V.D.

LEGEND
-- UNOBSTRUCTED AREA

PLUMBING SITE PLAN
SCALE: 3/32"=1'-0"

DRAINFIELD SYSTEM#1 SECTION

DRAINFIELD SYSTEM#2 SECTION