

**SOIL BORING No. 1 (DECEMBER 29, 2022) EL 12.0 ±**

0'0" TO 0'4" PT. HUMUS  
 0'4" TO 1'6" SM, 10YR, 4/4, DARK YELLOWISH BROWN LOAMY SAND, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 1'6" TO 2'0" SM, 10YR, 5/3, BROWN LOAMY SAND, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 2'0" TO 2'11" SP, 10YR, 6/3, PALE BROWN SAND, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 2'11" TO 4'3" SM, 10YR, 6/4, LIGHT YELLOWISH BROWN LOAMY SAND, 0% GRAVEL, FEW, FINE, FAINT MOTTLES STARTING AT 3'6", SUBANGULAR BLOCKY, SOFT.  
 4'3" TO 5'4" SM, 10YR, 6/6, BROWNISH YELLOW LOAMY SAND, 5% GRAVEL, FEW, FINE, FAINT MOTTLES, SUBANGULAR BLOCKY, SOFT.  
 5'4" TO 5'11" SP, 10YR, 6/4, LIGHT YELLOWISH BROWN COURSE SAND, 5% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 5'11" TO 6'11" SP, 10YR, 6/4, LIGHT YELLOWISH BROWN COURSE SAND, 5% GRAVEL, MANY, LARGE, BROWN MOTTLES, SUBANGULAR BLOCKY, SOFT.

ESTIMATE SEASONAL HIGH = 3'6"±  
 GROUND WATER = 6'4"± (EL 5.7)

**SOIL BORING No. 2 (DECEMBER 29, 2022) EL 11.2 ±**

0'0" TO 0'3" PT. HUMUS  
 0'3" TO 1'2" SM, 10YR, 3/6, DARK YELLOWISH BROWN LOAMY SAND, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 1'2" TO 2'11" SM, 10YR, 5/8, YELLOWISH BROWN LOAMY SAND, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 2'11" TO 3'5" SM, 10YR, 4/6, DARK YELLOWISH BROWN LOAMY SAND, 5% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 3'5" TO 4'5" SP, 10YR, 7/8, YELLOW SAND, 2% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 4'5" TO 5'0" SP, 10YR, 6/6, BROWNISH YELLOW SAND, 2% GRAVEL, FEW, FINE, FAINT MOTTLES, SUBANGULAR BLOCKY, SOFT.  
 5'0" TO 5'4" SP, 10YR, 7/4, VERY PALE BROWN SAND, 10% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 5'4" TO 6'0" SP, 10YR, 7/3, VERY PALE BROWN SAND, 10% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 6'0" TO 6'4" SC, 10YR, 6/4, LIGHT YELLOWISH BROWN SANDY, LOAMY CLAY, 10% GRAVEL, MANY, STRONG GRAY STREAKS, SUBANGULAR BLOCKY, SOFT.

ESTIMATE SEASONAL HIGH = 4'5"±  
 GROUND WATER = 5'11"± (EL 5.3)

**SOIL BORING No. 3 (DECEMBER 29, 2022) EL 11.3 ±**

0'0" TO 0'3" PT. HUMUS  
 0'3" TO 0'6" PT, 10YR, 3/3, DARK BROWN TOPSOIL, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 0'6" TO 1'5" SM, 10YR, 5/6, YELLOWISH BROWN LOAMY SAND, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 1'5" TO 2'6" SM, 10YR, 5/8, YELLOWISH BROWN LOAMY SAND, 0% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 2'6" TO 3'3" SM, 10YR, 5/8, YELLOW BROWN SANDY LOAM, 10% GRAVEL, SUBANGULAR BLOCKY, SOFT.  
 3'3" TO 3'9" SP, 10YR, 5/8, YELLOWISH BROWN COARSE SAND, 20% GRAVEL, FEW, FINE, FAINT MOTTLES, SUBANGULAR BLOCKY, SOFT.  
 3'9" TO 4'5" SP, 10YR, 7/6, YELLOW SAND, 5% GRAVEL, FEW, FINE, FAINT MOTTLES, SUBANGULAR BLOCKY, SOFT.  
 4'5" TO 5'5" SP, 10YR, 7/6, YELLOW COARSE SAND, 20% GRAVEL, MANY, STRONG GRAY STREAKS, SUBANGULAR BLOCKY, SOFT.  
 5'5" TO 6'0" SP, 10YR, 7/4, VERY PALE BROWN COARSE SAND, 20% GRAVEL, SUBANGULAR BLOCKY, SOFT.

ESTIMATE SEASONAL HIGH = 3'3"±  
 GROUND WATER = 5'9"± (EL 5.5)

**COURSES ALONG PROPOSED 13' WIDE EASEMENT:**

COURSE	BEARING	DISTANCE
(A)	N 08° 30' 00" W	13.01'
(B)	N 79° 15' 00" E	563.81'
(C)	N 82° 10' 52" E	379.73'
(D)*	RADIUS=2897.93'	463.32'
(E)	S 06° 37' 45" E	13.13'

* CURVE	RADIUS	DELTA ANGLE	LENGTH	CHORD BEARING	CHORD LENGTH
(D)	2897.93'	09° 09' 37"	463.32'	N 86° 45' 41" E	462.82'

**WETLANDS LINE LOCATION:**

COURSE	DISTANCE	BEARING	COURSE	DISTANCE	BEARING
A1 TO A2	75.26'	N 34° 58' 49" W	A1 TO C1	54.21'	S 26° 13' 09" W
A2 TO A3	56.81'	N 48° 33' 46" W	C1 TO C2	79.96'	N 79° 29' 02" W
A3 TO A4	71.46'	N 56° 12' 28" W	C2 TO C3	90.07'	N 73° 23' 22" W
A4 TO A5	70.14'	N 50° 26' 32" W	C3 TO C4	114.70'	N 59° 17' 16" W
A5 TO A6	73.38'	N 11° 25' 39" W	C4 TO C5	109.96'	N 57° 31' 22" W
A6 TO A7	50.69'	N 58° 14' 01" W	C5 TO C6	55.73'	N 51° 21' 35" W
A7 TO A8	53.53'	N 56° 22' 01" W	C6 TO C7	43.14'	S 41° 58' 25" W
A8 TO A9	50.98'	N 69° 51' 51" W	C7 TO C8	54.32'	N 88° 01' 28" W
A9 TO A10	47.14'	N 80° 58' 42" W	C8 TO C9	101.67'	N 24° 12' 03" W
A10 TO A11	124.96'	N 51° 10' 04" W	C9 TO C10	124.86'	N 66° 22' 14" E
A11 TO A12	197.77'	N 06° 39' 14" W	C10 TO C11	103.11'	N 56° 18' 16" W
A12 TO A13	158.37'	N 34° 56' 01" W	C11 TO C12	105.13'	N 38° 19' 59" W
A13 TO A14	63.69'	S 67° 43' 31" W	C12 TO C13-A	82.91'	N 42° 25' 30" W
A14 TO A15	71.29'	N 18° 42' 50" W	C13-A TO C13-B	86.50'	N 39° 16' 28" W
A15 TO A16	74.92'	N 04° 15' 46" E	C13-B TO C14	124.80'	N 37° 24' 50" W
A16 TO A17	65.93'	N 30° 39' 33" W	C14 TO C15	120.21'	N 33° 46' 45" W
A17 TO A18	115.05'	N 05° 56' 59" E	C15 TO C16	68.93'	N 40° 55' 56" W
A18 TO A19	91.97'	N 09° 27' 56" E	C16 TO C17	75.57'	N 51° 57' 47" W
A19 TO A20	72.67'	N 32° 42' 52" W	C17 TO C18	76.42'	N 41° 21' 22" W
A20 TO A21	75.35'	N 28° 15' 59" W	C18 TO C19	116.69'	N 59° 33' 36" W
A21 TO A22	130.56'	N 19° 55' 54" W	C19 TO C20	84.95'	N 48° 34' 24" W
A22 TO A23	154.35'	N 48° 32' 51" W	C20 TO C21	52.82'	N 54° 36' 47" W
A23 TO A24	127.40'	N 40° 42' 39" W	C21 TO C22	29.90'	S 54° 33' 50" W
			C22 TO C23	87.97'	S 45° 48' 34" E
			C23 TO C24	106.04'	S 25° 33' 32" E
			C24 TO C25	91.61'	S 17° 41' 00" E
			C25 TO C26	151.33'	S 71° 30' 24" W
			C26 TO C27	55.91'	S 21° 55' 54" W
			C27 TO C28	54.33'	S 27° 09' 05" W
			C28 TO C29	92.51'	S 53° 25' 30" W
			C29 TO C30	56.69'	S 43° 23' 32" W
			C30 TO C31	63.28'	S 63° 56' 10" W
			C31 TO C32	87.77'	N 29° 24' 49" W
			C32 TO C33	61.95'	N 44° 01' 55" W

**PLAN OF PROPOSED MINOR SUBDIVISION**

GIBSON ASSOCIATES, P.A.  
 CONSULTING ENGINEERS AND SURVEYORS  
 522 SEA ISLE BOULEVARD  
 OCEAN VIEW, NEW JERSEY 08230  
 (609) 624-1944

PLAN OF PROPOSED MINOR SUBDIVISION  
 LOT 33, BLOCK 120  
 DENNIS TOWNSHIP  
 CAPE MAY COUNTY, NEW JERSEY

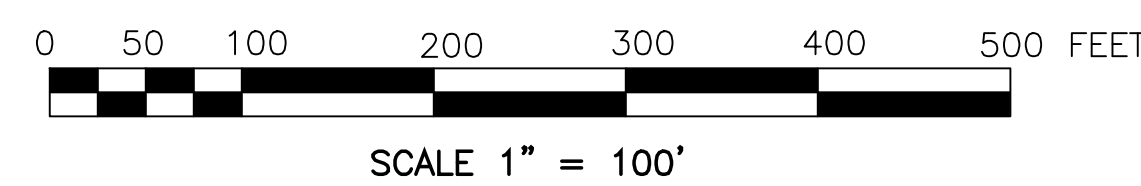
SOIL BORING INFORMATION PREPARED BY: **Walter E. Surran, Jr.**  
 WALTER E. SURRAN, JR.  
 LICENSED PROFESSIONAL ENGINEER  
 N.J.P.E. LICENSE NO. 31859

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP AND LAND SURVEY DATED JANUARY 05, 2023 MEETS THE MINIMUM SURVEY DETAIL REQUIREMENTS OF THE STATE BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND THE MAP HAS BEEN MADE UNDER MY SUPERVISION, AND COMPLES WITH THE MAP FILING LAW, AND THAT THE OUTBOUND CORNER MARKERS AS SHOWN HAVE BEEN FOUND, OR SET.

**MARK J. GIBSON**  
 LICENSED PROFESSIONAL LAND SURVEYOR  
 N.J.P.L.S. LICENSE NO. 32115

DATE: 01-05-23 SCALE: 1" = 100' SHEET 2 OF 2 DWG. No. 3634-D

**PLAN OF PROPOSED MINOR SUBDIVISION**



**LEGEND:**

	WOOD POST & RAIL FENCE		EDGE OF STONE
	VINYL FENCE		UTILITY POLE
	WOOD FENCE OR RAILING		ROAD/TRAFFIC SIGN (1 POST)
	CHAIN LINK FENCE		ROAD/TRAFFIC SIGN (2 POSTS)
	PROPERTY LINE		OVERHEAD WIRE
	CONCRETE		UTILITY MARKOUTS: TELEPHONE
	X-CUT SET		UTILITY MARKOUTS: ELECTRIC
	X-CUT FOUND		UTILITY MARKOUTS: SANITARY SEWER
	CM FOUND		UTILITY MARKOUTS: WATER
	CM SET		UTILITY MARKOUTS: GAS
	CM TO BE SET		POINT OF BEGINNING
	I.P. FOUND		BENCHMARK
	I.P. SET		TOP OF CURB
	P.K. NAIL FOUND		BOTTOM OF CURB (ie GUTTER LINE)
	P.K. NAIL SET		POINT OF CURVATURE
	WOODS LINE		POINT OF TANGENCY
	INLET		EXISTING SPOT ELEVATION
	CONC. CURB		OLD LOT NUMBERS
	DEPRESSED CONC. CURB		EXISTING CONTOURS
	EDGE OF PAVEMENT		CLEAR i.e. INSIDE SUBJECT PROPERTY LINE
	CENTERLINE		

**DETAIL "A"**  
 NOT TO SCALE

**DETAIL "B"**  
 NOT TO SCALE