

WETLANDS

CAA	5.09 AC.
CAB	5.53 AC.
CAD	1.14 AC.
CAE	4.98 AC.
CAF	2.97 AC.

TOTAL WETLANDS	19.65 AC.
TOTAL UPLAND IN STUDY AREA BOUNDARY	453.77 AC.
TOTAL STUDY AREA	473.42 AC.

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Bradford 1/30/2023
SIGNATURE DATE

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CURVE	RADIUS	LENGTH	DELTA	BEARING	DISTANCE
C1	1059.73'	43.10'	23°18'24" (RT)	N 89°28'35" E	428.17'
C2	1249.03'	388.33'	17°48'49" (LT)	S 84°28'41" W	388.17'
C3	233.40'	1404.40'	34°46'58" (RT)	S 34°22'53" E	1382.94'
C4	1787.85'	1309.13'	41°55'19" (LT)	N 36°46'19" W	1273.25'
C5	800.00'	800.47'	57°19'45" (RT)	S 77°55'44" W	761.49'

LINE	BEARING	DISTANCE
L1	S 53°16'31" E	3038.48'
L2	N 64°58'26" E	128.69'
L3	S 53°20'24" E	992.32'
L4	N 36°28'53" E	194.35'
L5	S 53°25'12" E	2593.71'
L6	S 68°14'58" E	71.53'
L7	S 70°10'40" E	75.39'
L8	S 77°48'47" E	301.23'
L9	S 97°00'00" E	712.56'
L10	S 42°54'59" E	127.47'
L11	S 37°48'18" E	689.14'
L12	S 62°33'15" E	1213.46'
L13	S 78°41'46" E	236.89'
L14	S 75°57'49" E	638.46'
L15	S 77°07'58" E	286.64'
L16	N 69°37'00" E	959.59'
L17	S 14°27'13" E	550.38'
L18	N 77°11'54" E	655.89'
L19	N 77°41'22" E	587.54'
L20	S 09°45'39" W	390.82'
L21	S 78°04'58" W	467.19'
L22	S 64°47'04" W	986.90'
L23	S 12°30'39" E	461.92'
L24	S 49°26'30" E	768.05'
L25	S 57°11'40" E	602.22'
L26	S 67°14'49" W	665.30'
L27	N 58°54'07" W	347.27'
L28	N 67°08'35" W	281.52'
L29	N 71°58'08" W	285.38'
L30	N 71°58'08" W	18.62'
L31	N 73°24'23" W	650.19'
L32	S 80°10'27" W	655.62'
L33	S 76°11'30" W	390.27'
L34	S 10°28'22" W	142.25'
L35	S 26°17'39" W	234.29'
L36	S 80°31'39" W	156.23'
L37	N 47°47'24" W	274.70'
L38	S 55°05'05" W	1323.22'
L39	S 05°18'28" W	410.71'
L40	N 09°56'42" W	590.18'
L41	N 16°37'32" E	1843.58'
L42	N 29°46'11" W	2717.42'
L43	N 53°07'18" W	1857.55'
L44	N 53°42'22" E	226.88'
L45	N 53°57'13" W	395.80'
L46	N 13°52'40" E	144.28'
L47	N 53°15'36" W	3056.91'
L48	N 53°34'47" E	109.43'

CERTIFICATIONS:

I HEREBY CERTIFY THAT THE PURPOSE OF THIS SURVEY IS TO LOCATE THE JURISDICTIONAL WETLANDS AS FLAGGED BY OTHERS AND TO RELATE THEM TO THE STUDY AREA BOUNDARY AS SHOWN HEREON. THE JURISDICTIONAL WETLAND BOUNDARY LINES SHOWN WITH BEARINGS AND DISTANCES WERE SURVEYED. ALL OTHER INFORMATION HEREON IS SHOWN GRAPHICALLY AND IS FOR LOCATION PURPOSES ONLY.

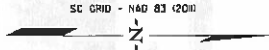
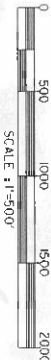
THIS SURVEY MEETS THE REQUIREMENTS FOR A WETLAND SURVEY AS SPECIFIED IN THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA. THE PROJECT BOUNDARY LINES SHOWN HEREON MEETS THE REQUIREMENTS OF A CLASS "A" SURVEY ACCURACY AS SPECIFIED THEREIN.

FOR ADDITIONAL CERTIFICATIONS AND COMMENTS SEE THE SURVEYOR'S NOTES STATED HEREON.

- SURVEYOR'S NOTES:
- THE PURPOSE OF THIS SURVEY IS TO LOCATE THE JURISDICTIONAL WETLANDS AS FLAGGED BY THREE OAKS TO SHOW THEIR RELATIONSHIP TO THE STUDY AREA BOUNDARY.
 - THE DISTANCES SHOWN HEREON ARE S.C. GRID DISTANCES. THE COMBINED SCALE FACTOR IS 0.98989806 TO REDUCE HORIZONTAL GROUND DISTANCES TO GRID DISTANCES.
 - COORDINATES ARE S.C. STATE PLANE NAD83 (2011).

LEGEND

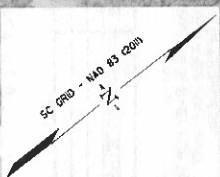
STUDY AREA BOUNDARY
WETLAND LINE
WETLAND AREA



Cole D. Beebe - South Carolina PLS # 31550

SOUTH CAROLINA SURVEYORS ASSOCIATION No. 31550 COLE D. BEEBE	
DATE: 11/18/2022	PROJECT NO: 222690
S. WHITTLE	
DATE: 1/27/2023	REVISION: 1
CRITICAL LINE SURVEY FOR THE STUDY AREA BOUNDARY OF PROPOSED LONG POINT ROAD AREA	
O.C.R.M./U.S.A.C.E.	
CDM GPM	
11/18/2022	

LINE	BEARING	DISTANCE
A1	S 60°24'22"W	14.30'
A2	S 57°47'15"E	35.30'
A3	S 54°47'50"E	50.55'
A4	S 40°37'49"E	59.08'
A5	S 34°47'45"E	46.35'
A6	S 07°23'42"E	43.50'
A7	S 06°33'41"E	35.07'
A8	N 48°10'52"W	41.62'
A9	N 62°47'19"W	49.65'
A10	S 25°07'03"W	100.3'



S 53°16'31"E 3038.48' (TOT AL)
S 53°16'31"E 1920.9'
N 37°58'21.3
E 2343.44.48
CAA
5.09 ACRES
N 37°33'56.87
E 2341.387.07
N 53°15'56"W 2120.89'
N 53°15'56"W 3056.59' (TOT AL)
S 53°16'31"E 1118.29'
UPLAND 1
15.24 ACRES
N 53°15'56"W 936.02'

THE AREA SHOWN ON THIS PLAT IS A REPRESENTATION OF DEPARTMENT (SCDHEC OCRM) PERMIT AUTHORITY ON THE SUBJECT PROPERTY. CRITICAL AREAS BY THEIR NATURE ARE DYNAMIC AND SUBJECT TO CHANGE OVER TIME. BY DELINEATING THE PERMIT AUTHORITY OF SCDHEC OCRM, SCDHEC OCRM IN NO WAY WAIVES ITS RIGHT TO ASSERT PERMIT JURISDICTION AT ANY TIME IN ANY CRITICAL AREA ON THE SUBJECT PROPERTY, WHETHER SHOWN HEREON OR NOT.

Brodg J. J. J. 1/30/2023
SIGNATURE DATE

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SEE SHEET 1 FOR SURVEYOR'S NOTES, CERTIFICATION & REFERENCES.

COLE D. BEEBE S.C.P.L.S. NO. 31550



DATE	C. BEEBE
DATE	S. WHITTLE
TOTAL	1723
PROJECT NO.	2222890
DATE	11/18/2022
DATE	11/18/2022

PLAT OF
CRITICAL LINE SURVEY FOR THE
STUDY AREA BOUNDARY
LONG POINT ROAD AREA
OCRM / USACE
GDM Smith
11/18/2022

LINE	BEARING	DISTANCE
B1	N 4° 45' 22" E	4.03'
B2	N 5° 20' 34" W	42.37'
B3	N 25° 51' 14" E	24.43'
B4	N 25° 03' 49" W	33.05'
B5	N 47° 15' 08" W	33.09'
B6	N 18° 11' 08" E	31.77'
B7	S 84° 58' 38" E	22.48'
B8	N 05° 41' 36" W	46.42'
B9	N 05° 41' 36" W	48.04'
B10	N 05° 43' 30" E	39.87'
B11	N 05° 40' 40" W	33.59'
B12	S 42° 00' 13" E	54.39'
B13	N 05° 33' 11" E	25.87'
B14	N 29° 19' 05" E	14.92'
B15	N 10° 21' 27" W	36.85'
B16	N 08° 17' 32" W	41.48'
B17	N 22° 40' 40" E	9.37'
B18	N 07° 04' 18" W	71.37'
B19	N 08° 19' 56" W	157.25'
B20	N 18° 12' 30" W	72.32'
B21	N 12° 49' 59" W	35.80'
B22	N 21° 08' 18" W	95.59'
B23	N 27° 17' 08" W	53.20'
B24	N 17° 44' 05" W	19.17'
B25	S 02° 27' 12" W	29.51'
B26	S 47° 05' 10" E	22.29'
B27	S 25° 17' 38" E	71.64'
B28	S 09° 20' 54" W	34.57'

S 55° 20' 24" E 996.32' (TOT AL)
S 50° 20' 24" E 786.35'

N 36° 42' 22" 226.88'
S 55° 20' 24" E 203.97'
E 234° 29' 24" 12.41'

N 36° 28' 53" E 194.35'

S 53° 25' 12" E 383.28'

N 57° 23' 30.54" E 234° 35' 35.17"

S 53° 25' 12" E 258.37' (TOT AL)
S 53° 25' 12" E 2210.43'

THE AREA SHOWN ON THIS PLAT IS A REPRESENTATION OF DEPARTMENT (SCDHEC OCRM) PERMIT AUTHORITY ON THE SUBJECT PROPERTY. CRITICAL AREAS BY THEIR NATURE ARE DYNAMIC AND SUBJECT TO CHANGE OVER TIME. BY DELINEATING THE PERMIT AUTHORITY OF SCDHEC OCRM, SCDHEC OCRM IN NO WAY WAIVES ITS RIGHT TO ASSERT PERMIT JURISDICTION AT ANY TIME IN ANY CRITICAL AREA ON THE SUBJECT PROPERTY, WHETHER SHOWN HEREON OR NOT.

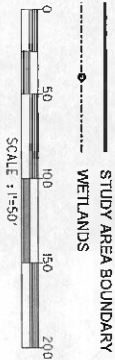
Brooks
SICMAN/RE
DATE 1/30/2023
UPLAND 1 5.24 ACRES

The critical line shown on this plat is valid for five years from the date of this signature, subject to the cautionary language above.

LINE	BEARING	DISTANCE
B29	N 57° 59' 46" W	38.57'
B30	N 30° 33' 54" W	29.19'
B31	N 50° 05' 37" W	99.17'
B32	N 46° 38' 27" W	135.46'
B33	N 06° 53' 12" E	23.82'
B34	N 15° 04' 10" W	24.95'
B35	N 39° 12' 28" E	16.90'
B36	N 06° 56' 25" E	16.54'
B37	S 87° 59' 57" W	5.50'
B38	N 67° 13' 40" W	36.68'
B39	N 77° 51' 09" W	42.85'
B40	N 52° 05' 06" W	21.09'
B41	N 45° 47' 52" W	57.13'
B42	N 20° 48' 17" W	28.95'
B43	N 68° 18' 48" W	29.84'
B44	N 72° 06' 05" W	29.59'
B45	S 64° 54' 01" W	23.86'
B46	S 02° 03' 27" E	15.14'
B47	S 37° 59' 18" E	54.14'
B48	S 22° 35' 44" E	22.88'
B49	S 32° 10' 16" E	40.87'
B50	S 31° 01' 16" E	56.17'
B51	S 57° 49' 04" E	26.68'
B52	S 04° 50' 07" W	22.46'
B53	S 12° 15' 47" E	20.59'
B54	N 88° 53' 10" E	16.12'
B55	S 34° 22' 36" E	21.69'
B56	S 85° 40' 30" W	27.59'
B57	S 25° 36' 04" E	56.99'
B58	S 66° 46' 49" E	20.55'
B59	S 05° 47' 56" W	19.55'
B60	S 40° 44' 17" W	31.37'
B61	S 14° 37' 08" W	89.81'
B62	S 02° 16' 29" W	18.14'
B63	S 05° 12' 30" E	16.74'
B64	S 57° 55' 55" E	25.95'



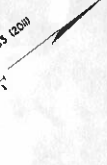
SEE SHEET 1 FOR SURVEYOR'S NOTES, CERTIFICATION & REFERENCES.
COLE D. BEEBE
SCPTS NO. 31550



LEGEND

STUDY AREA BOUNDARY

WETLANDS



LINE	BEARING	DISTANCE
L50	N 53° 10' 18" W	63.17'

LINE	BEARING	DISTANCE
T10	N 63° 20' 32" E	47.39'
T12	N 03° 07' 35" W	23.04'
T13	N 07° 27' 44" W	26.66'

LINE	BEARING	DISTANCE
B65	S 48° 57' 29" E	31.32'
B66	S 50° 38' 34" E	52.94'
B67	S 52° 06' 33" E	58.40'
B68	S 34° 00' 46" W	19.85'
B69	N 53° 30' 05" W	58.36'
B70	N 53° 33' 59" W	52.62'
B71	N 59° 38' 58" W	43.56'
B72	N 85° 20' 53" W	8.68'
B73	S 33° 57' 54" W	24.06'
B74	S 24° 32' 56" W	113.13'
B75	S 06° 52' 19" W	38.39'
B76	S 45° 38' 57" E	39.98'
B77	S 53° 56' 02" E	32.22'
B78	S 28° 13' 59" W	14.10'
B79	N 57° 05' 47" W	34.85'
B80	S 88° 50' 12" W	18.86'
B81	S 22° 28' 02" E	12.21'
B82	S 24° 40' 34" W	34.46'
B83	S 24° 04' 08" E	42.09'
B84	S 08° 16' 30" W	27.20'
B85	S 49° 55' 07" E	31.63'
B86	S 27° 49' 49" E	87.97'
B87	N 87° 19' 55" E	49.32'
B88	S 57° 43' 11" E	54.13'
B89	N 73° 52' 35" E	23.80'
B90	S 312° 52' 48" E	22.50'
B91	S 57° 36' 54" W	42.71'
B92	S 65° 28' 51" E	15.04'
B93	S 26° 57' 43" W	48.86'
B94	S 45° 56' 10" W	15.07'
B95	S 45° 56' 10" W	16.56'
B96	S 28° 48' 48" W	16.89'
B97	N 18° 18' 54" W	16.23'
B98	S 03° 07' 14" W	54.14'
B99	S 07° 18' 55" E	35.65'
B100	S 55° 08' 29" E	12.87'
B101	S 40° 37' 28" W	0.65'
B102	N 53° 10' 18" W	133.55'
B103	N 17° 37' 05" W	23.99'
B104	N 37° 37' 05" W	42.75'
B105	S 43° 45' 12" W	25.60'
B106	N 53° 10' 18" W	80.43'
B107	S 16° 39' 34" E	77.15'
B108	N 75° 28' 12" W	35.25'
B109	N 17° 40' 37" W	61.82'
B110	N 18° 48' 11" E	31.38'
B111	S 11° 41' 47" E	56.52'
B112	S 06° 58' 14" W	61.92'
B113	S 86° 58' 14" W	23.99'
B114	N 31° 53' 05" W	26.18'
B115	N 20° 14' 46" E	29.10'
B116	N 09° 01' 02" W	37.36'
B117	N 75° 58' 30" E	27.33'

CRITICAL LINE SURVEY FOR THE STUDY AREA BOUNDARY OF PROPOSED LONG POINT ROAD AREA

OCRM/USACE

PROJECT NO. 222680

DATE 1/29/2023

FILED 1/29/2023

NO. 020402

STATE OF NORTH CAROLINA

11/18/2022

11/18/2022

CDM Smith

11/18/2022

11/18/2022

11/18/2022

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SIGNATURE

DATE

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CURVE	RADIUS	LENGTH	DELTA	BEARING	CHORD	DISTANCE
C5	800.00'	800.47'	57°19'45"(181)	S 77°55'44" W		76.49'

LINE	BEARING	DISTANCE
L31	S 79°16'27" W	76.82'

LINE	BEARING	DISTANCE
D1	N 03°10'07" E	31.56'
D2	N 09°21'02" E	40.23'
D3	N 31°30'29" E	46.45'
D4	S 69°51'46" E	111.02'
D5	N 21°20'05" W	34.81'
D6	N 77°37'05" W	102.31'
D7	N 77°34'18" W	54.23'
D8	N 30°36'28" W	50.65'
D9	N 37°41'11" E	34.42'
D10	N 25°57'28" E	21.37'
D11	N 65°22'19" E	68.67'
D12	S 89°42'40" E	41.27'
D13	S 65°22'07" E	156.44'
D14	S 35°56'52" W	15.34'
D15	S 23°35'28" W	41.39'
D16	S 07°57'25" W	37.41'
D17	S 57°11'46" W	44.51'
D18	S 19°14'00" W	28.84'
D19	S 06°06'18" W	41.80'
D20	S 23°02'36" E	30.49'
D21	S 00°14'47" E	33.49'
D22	S 35°29'04" W	28.28'
D23	N 67°08'35" W	146.68'

LINE	BEARING	DISTANCE
L33	N 67°08'35" W	106.57'
L34	N 67°08'35" W	26.27'

SEE SHEET 1 FOR SURVEYOR'S NOTES, CERTIFICATION & REFERENCES.

COLE D. BEEBE

S.C.P.L.S. NO. 31560

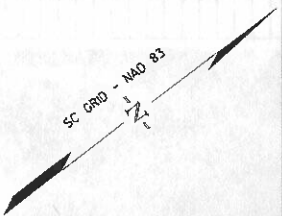


PLAY OF STUDY AREA BOUNDARY OF PROPOSED LONG POINT ROAD AREA OCRM/USACE

CDM Smith 11/18/2022



LEGEND STUDY AREA BOUNDARY WETLANDS



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Bradley Breebe
SIGNATURE
DATE 1/30/2023

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LINE	BEARING	DISTANCE
E1	N 42.40' 22" E	3.85'
E2	N 62.25' 42" E	2.47'
E3	N 79.36' 40" E	27.36'
E4	N 54.18' 20" E	39.34'
E5	N 13.31' 46" E	18.40'
E6	N 57.41' 09" E	48.54'
E7	N 15.45' 02" E	27.95'
E8	N 19.27' 10" W	28.89'
E9	N 48.53' 07" E	41.69'
E10	N 52.13' 22" E	64.59'
E11	N 70.25' 30" E	14.16'
E12	N 40.57' 42" E	16.20'
E13	N 52.56' 30" E	69.54'
E14	N 33.42' 22" E	17.92'
E15	N 17.02' 00" E	61.50'
E16	N 02.21' 01" W	19.18'
E17	N 28.50' 14" W	36.87'
E18	N 17.01' 46" E	13.08'
E19	N 09.34' 00" E	40.92'
E20	S 77.25' 18" E	32.48'
E21	N 88.19' 33" E	7.67'
E22	N 26.17' 34" E	18.30'
E23	S 29.37' 05" E	48.59'
E24	S 17.49' 34" E	49.80'
E25	S 13.50' 13" E	24.39'
E26	S 62.44' 53" E	16.08'
E27	S 04.10' 45" E	13.34'
E28	N 81.56' 22" E	43.72'
E29	N 64.21' 09" E	34.81'
E30	S 62.53' 06" W	8.16'
E31	N 45.12' 17" W	76.63'
E32	N 50' 47" 55" W	26.02'
E33	S 82.01' 33" W	33.48'
E34	S 48' 42" 21" W	59.18'
E35	S 50' 48' 50" W	39.39'
E36	S 26.17' 20" E	60.89'
E37	S 49.46' 28" W	22.20'
E38	S 61.46' 28" W	14.47'
E39	N 44.56' 21" W	31.36'
E40	S 31.42' 45" W	60.85'
E41	S 10.34' 31" E	20.91'
E42	S 23.29' 34" W	17.37'
E43	S 23.22' 08" E	21.45'
E44	S 25.48' 58" E	35.46'
E45	S 19.36' 09" E	62.89'
E46	S 21.00' 45" W	22.00'
E47	S 15.66' 41" W	24.52'
E48	N 44.00' 43" W	27.68'
E49	N 68.15' 24" W	49.29'
E50	S 88.09' 46" W	45.13'
E51	S 29.30' 18" W	58.38'
E52	S 50' 07" 41" E	49.58'
E53	S 25.37' 54" E	38.38'
E54	S 38.28' 28" E	57.11'
E55	S 28.46' 42" W	14.03'
E56	S 67.14' 49" W	35.36'
E57	N 40.37' 23" W	2.44'
E58	N 56.08' 30" W	43.76'
E59	N 49.49' 54" W	24.68'

CURVE	RADIUS	LENGTH	DELTA	BEARING	DISTANCE
C3	2313.40'	1404.40'	34° 46' 58" (R)	S 34° 22' 53" E	1382.94'
C4	1787.85'	1304.13'	41° 55' 19" (L)	N 36° 46' 19" W	1279.15'
C6	2313.40'	812.51'	20° 07' 24" (R)	S 41° 42' 40" E	808.34'
C7	2313.40'	327.94'	8° 07' 19" (R)	S 27° 55' 19" E	322.66'
C8	2313.40'	263.98'	6° 32' 15" (R)	S 20° 15' 32" E	263.82'
C9	1787.85'	611'	13° 14' 31" (L)	N 16° 41' 28" W	412.33'
C10	1787.85'	413.25'	13° 14' 31" (L)	N 24° 23' 35" W	412.33'
C11	1787.85'	833.17'	26° 43' 05" (L)	N 44° 22' 26" W	826.18'

LINE	BEARING	DISTANCE
L55	S 67° 14' 49" W	42.42'

SEE SHEET 1 FOR SURVEYOR'S NOTES, CERTIFICATION & REFERENCES.

COLE D. BREEBE S.C.P.S. NO. 31560



C. BREEBE		S. WHITTLE	
DATE	1/18/2022	DATE	1/18/2022
PROJECT NO.	222890	PROJECT NO.	222890
PLAT OF CRITICAL LINE SURVEY FOR THE STUDY AREA BOUNDARY OF PROPOSED LONG POINT ROAD AREA			
O.C.R.M./USACE			
11/18/2022			



LEGEND
STUDY AREA BOUNDARY
WETLANDS

