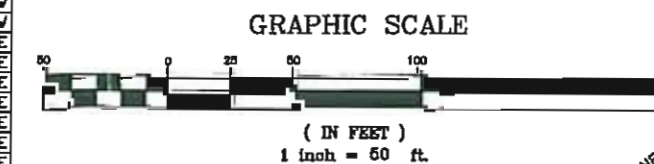


LINE	LENGTH	BEARING
L1	13.27	S25°06'05"E
L2	26.27	S49°11'25"E
L3	46.85	S44°26'31"E
L4	43.92	S39°00'42"E
L5	48.97	S48°29'47"E
L6	58.92	S41°21'43"E
L7	39.14	S49°34'00"E
L8	48.77	S40°33'58"E
L9	48.04	S43°21'00"E
L10	52.67	S35°38'09"E
L11	12.13	S36°46'41"E
L12 (TIE)	42.99	S42°54'26"E
L13	4.05	N48°50'20"E
L14	52.57	S43°58'17"E
L15	45.85	S45°51'51"E
L16	48.74	S45°40'32"E
L17	47.89	S43°42'42"E
L18	46.03	S42°02'50"E
L19	46.50	S36°43'17"E
L20	46.29	S37°14'22"E
L21	47.88	S41°58'55"E
L22 (O.A.)	48.88	S34°47'40"E
L23	46.29	S34°28'48"E
L24	46.78	S27°52'13"E
L25	3.07	S53°34'25"W
L26 (TIE)	77.76	S36°06'43"E
L27	3.35	S54°18'09"W
L28	47.85	S48°21'52"E
L29	47.33	S33°34'39"E
L30	49.24	S32°41'23"E
L31	47.15	S27°49'24"E
L32	46.63	S37°47'24"E
L33	32.66	S38°52'05"E
L34	12.38	S41°00'14"W
L35 (TIE)	30.82	S33°02'36"E
L36	5.80	N43°28'01"E
L37	5.96	S50°56'16"E
L38	7.53	S60°22'50"E
L39	45.63	S34°53'48"E
L40	48.71	S33°06'53"E
L41	46.77	S30°48'40"E
L42	46.64	S30°18'22"E
L43	45.90	S27°09'27"E
L44	49.02	S28°24'38"E
L45 (O.A.)	42.67	S31°49'02"E
L46	48.38	S28°22'44"E
L47	45.49	S25°13'35"E
L48	28.45	S27°48'44"E
L49	5.86	S48°28'39"W
L50	74.08	S27°43'02"E
L51	5.24	N78°58'27"E
L52	47.71	S29°15'21"E
L53	18.23	S25°23'49"E
L54	6.71	S43°36'03"W
L55	148.08	S26°31'11"E
L56	29.45	S24°34'45"E
L57	37.51	S19°18'34"E
L58	43.16	S36°24'04"E
L59	46.00	S25°24'02"E
L60	46.28	S26°06'44"E
L61	47.36	S11°02'58"E
L62	51.49	S29°39'39"E
L63	47.33	S12°39'24"E
L64	2.62	N49°38'03"E
L65	47.00	N24°29'15"W
L66	5.80	N69°40'30"E
L67	40.57	N28°32'38"W
L68	8.30	N69°53'20"E
L69	53.73	N24°11'15"W
L70	3.76	N61°58'53"E
L71 (TIE)	25.76	N25°34'16"W
L72	26.46	N31°58'23"W
L73	3.93	N72°31'15"E
L74 (TIE)	13.06	N23°45'47"W
L75	34.27	N33°50'01"W
L76	5.93	N77°39'18"E
L77	1.83	N59°48'11"E
L78	51.53	N40°52'07"W
L79	45.78	N36°08'33"W
L80	48.20	N20°43'45"W

LINE	LENGTH	BEARING
L81	41.71	N44°02'41"W
L82	40.93	N30°54'37"W
L83	44.36	N34°34'29"W
L84	50.73	N33°19'25"W
L85	49.36	N36°45'16"W
L86	61.61	N39°17'52"W
L87	37.02	N18°50'07"W
L88	45.94	N39°15'29"W
L89	47.74	N28°16'49"W
L90	46.46	N43°18'33"W
L91	47.41	N34°39'38"W
L92	51.36	N35°59'34"W
L93 (O.A.)	40.40	N35°12'02"W
L94	42.27	N42°08'37"W
L95	41.53	N39°30'11"W
L96	51.87	N32°23'08"W
L97	48.97	N49°18'50"W
L98	48.33	N37°08'22"W
L99	48.76	N41°37'23"W
L100	46.70	N33°33'40"W
L101	44.70	N46°58'09"W
L102	33.88	N19°56'21"W
L103	5.50	N46°22'39"E
L104	40.84	N44°31'15"W
L105	43.01	N53°50'41"W
L106	44.35	N46°06'05"W
L107	46.33	N38°45'26"W
L108	47.29	N47°05'16"W
L109	59.53	N41°50'22"W
L110	53.98	N44°58'24"W
L111	28.13	N51°27'56"W
L112	4.88	S18°45'09"E
L113	50.00	S18°43'09"E
L114	45.42	S20°26'54"E
L115 (TIE)	13.14	N03°31'29"W
L116	5.86	S45°50'44"E
L117	65.07	S21°40'09"E
L118	16.85	S17°10'37"E
L119	37.70	N19°51'10"W
L120	37.07	N31°22'42"W
L121	18.11	S31°39'54"W
L122 (TIE)	18.51	S18°49'44"E
L123	11.03	N30°46'28"W
L124	37.60	N23°07'43"W
L125	47.88	N15°16'58"W
L126	44.74	N34°02'18"E
L127	26.23	S65°59'36"W
L128	18.44	S17°10'58"E
L129	5.05	S17°10'58"E
L130	31.75	S51°04'17"W
L131	28.35	S52°47'57"W
L132	16.08	S85°02'09"W
L133 (TIE)	15.65	S07°20'11"W
L134	17.09	S33°55'21"E
L135	49.79	S37°19'36"E
L136	25.82	N19°38'45"W
L137	27.92	N11°29'03"W
L138	53.80	N23°48'59"W
L139 (TIE)	30.93	S47°29'48"E
L140	17.43	S05°25'00"W

LINE	LENGTH	BEARING
L141	72.02	S26°03'30"E
L142	3.42	S26°23'46"E
L143	10.66	S58°59'13"E
L144	40.19	S02°35'25"E
L145	15.74	S03°55'47"E
L146	19.00	N89°40'22"W
L147	22.93	N19°07'33"W
L148	42.14	N20°06'02"E
L149 (TIE)	27.50	N36°12'01"E
L150	4.03	S38°52'52"E
L151	61.50	S38°52'52"E
L152	24.00	S85°30'29"E
L153	10.02	S26°07'10"E
L154	26.15	S56°24'21"W
L155 (TIE)	35.81	N18°07'58"W
L156	19.94	N69°06'05"W
L157	27.20	N86°32'51"W
L158	10.02	S60°02'08"W
L159	19.07	S83°51'40"W
L160	20.89	N20°55'35"W
L161	23.76	S58°21'36"W
L162	24.00	S35°20'49"E
L163	38.98	N71°50'43"E
L164	29.48	N74°00'40"E
L165	2.62	N68°52'07"E
L166	10.76	N67°38'40"E
L167	9.39	N45°17'48"E
L168	43.87	N74°40'37"E
L169 (TIE)	60.57	S37°38'10"E
L170	19.15	S21°29'17"E
L171	44.22	S28°08'27"E
L172	8.05	S28°08'27"E



- LEGEND
- EX. PIPE
 - EX. REBAR
 - EX. CONC. MON.
 - EX. CONC. MON. SET
 - EX. P/K NAIL
 - P/K NAIL SET
 - WATER METER
 - PHONE PEDESTAL
 - CALCULATED POINT
 - UTILITY POLE
 - GUY WIRE
 - FIRE HYDRANT
 - ELECT. TRANS.
 - WETLANDS FLAG
 - EXISTING SPOT ELEVATION
 - DATA OBSERVATION POINT

- NOTES
- THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
 - AREA BY COORDINATE COMPUTATION =
 - ADJ. ZONE: N/A
 - PEX. HOLE: N/A
 - RECORDED REFERENCE: N/A
 - ALL COORDINATES SHOWN ARE HAD 83 - U.S. SURVEY FEET
 - ALL OF THE PROJECTS ARE TIED TO HOGS NO 12-39
 - THIS IS A FIRST ORDER HORIZONTAL MONUMENT WITH COORDINATES SHOWN ON THE PLAT HEREON. FURTHERMORE, ALL CONTROL WAS ESTABLISHED WITH ASHTECH GPS EQUIPMENT USING STATIC GPS.
 - ELEVATIONS (NAVD 88): AS SHOWN
 - THIS IS A WETLANDS PLAT. THIS IS NOT A BOUNDARY SURVEY AND SURVEYOR MAKES NO CERTIFICATION OF THE RIGHT OF WAY OF H.C. 12 OR THE PROPERTY OF THE UNITED STATES GOVERNMENT. LIMITS OF SURVEY SHOWN HEREON ARE TO BE USED FOR THE CALCULATION OF WETLAND AREAS ONLY.
 - ALL STATIONING SHOWN HEREON IS ROUNDED TO THE NEAREST FOOT
 - DATA OBSERVATION POINT LOCATIONS ARE APPROXIMATE

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SECTION A/B - PAGES 1 AND 2
STATION 280+99 - 285+80
TOTAL AREA - 218,374 S.F.
TOTAL UPLANDS - 175,988 S.F.
TOTAL WETLANDS - 42,386 S.F.

"THIS CERTIFIES THAT THIS COPY OF THIS PLAT ACCURATELY DEPICTS THE BOUNDARY OF THE JURISDICTION OF THE SECTION 404 OF THE CLEAN WATER ACT UNDER THE PRESENT LAW AND REGULATIONS AS DETERMINED BY THE UNDERSIGNED ON THIS DATE, UNLESS THERE IS A CHANGE IN THE LAW OR OUR PUBLISHED REGULATIONS, THIS DETERMINATION OF SECTION 404 JURISDICTION MAY BE RELIED UPON FOR A PERIOD NOT TO EXCEED 5 YEARS FROM THIS DATE." (THIS DETERMINATION WAS MADE UTILIZING THE 1987 CORPS OF ENGINEERS WETLAND DELINEATION MANUAL.)

NAME: *Jose P. Delgado*
TITLE: *Registered Professional Engineer*
DATE: *May 3, 2012*

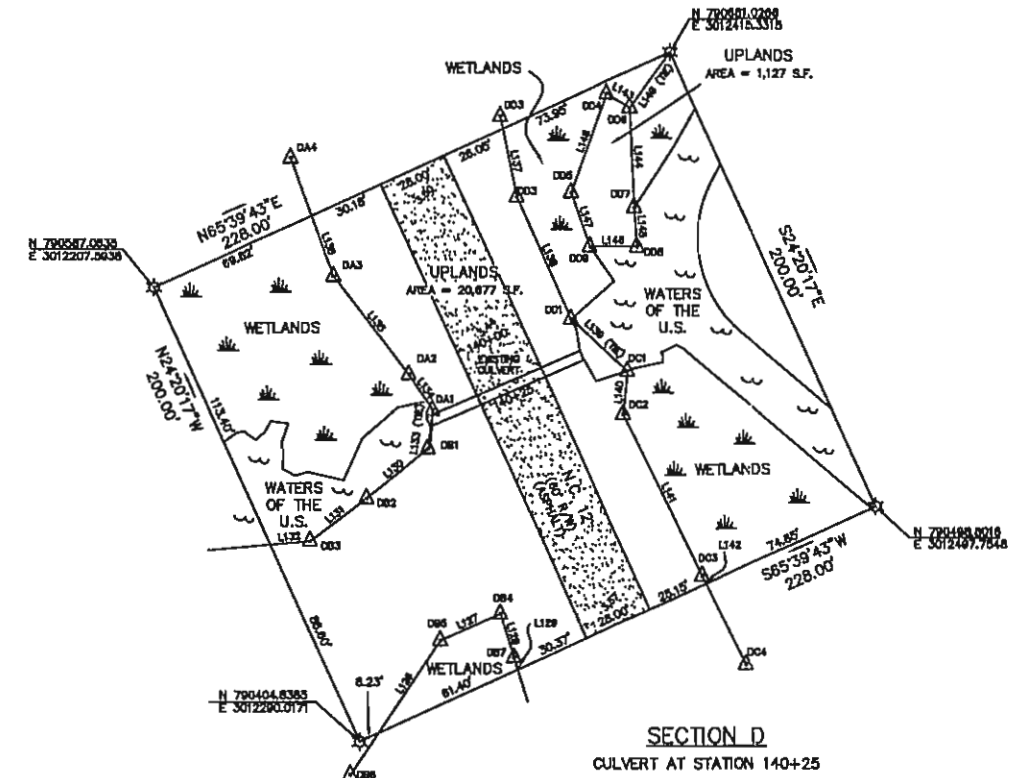
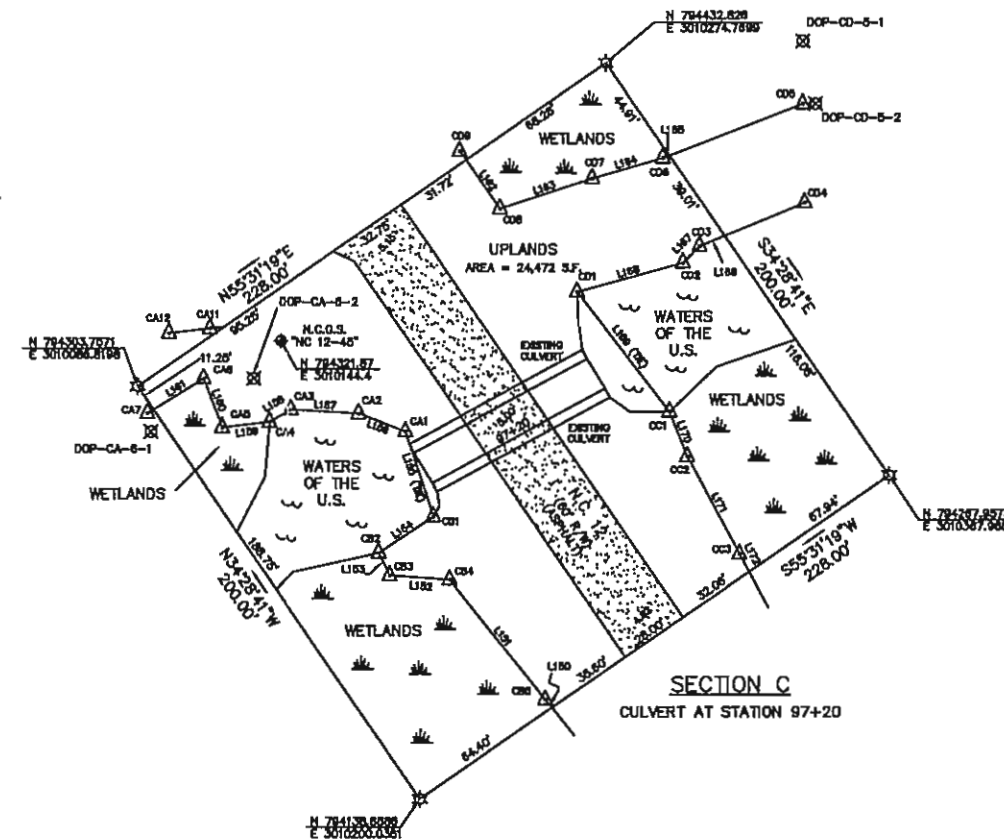
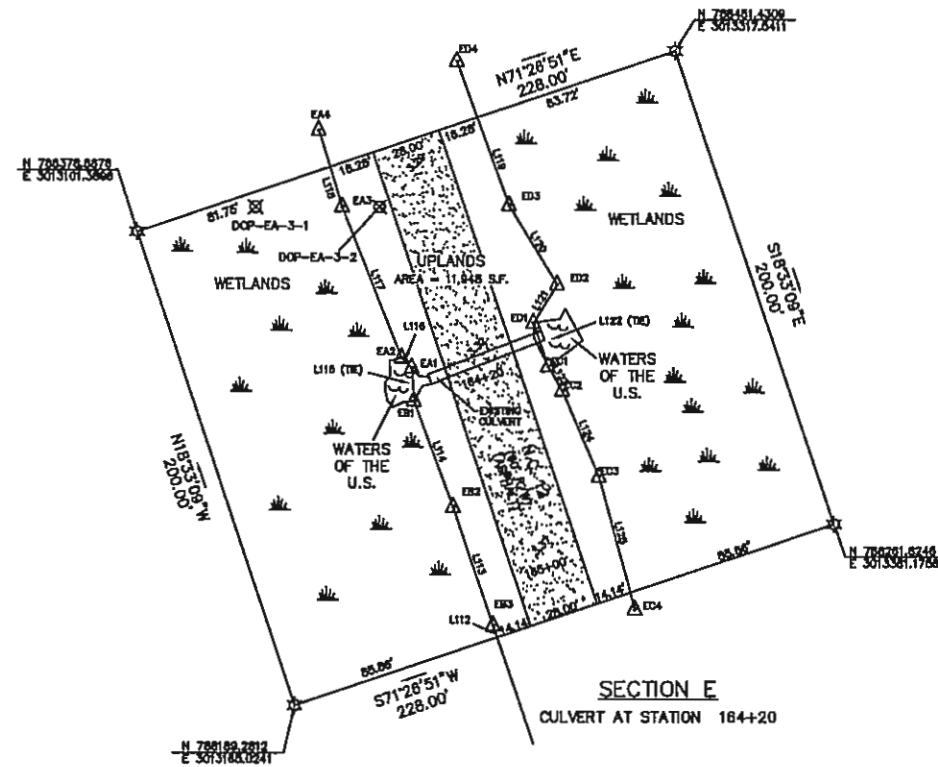
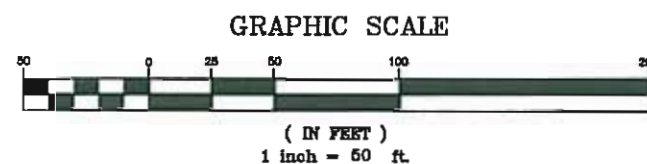
N.C. 12 - NATIONAL PARK SERVICE - BODIE ISLAND
SURVEY OF STATION 280+99 - 285+80 AND ADDITIONAL CULVERTS
BODIE ISLAND - DARE COUNTY - NORTH CAROLINA
MESA PROFESSIONAL CORPORATION
703 INDIAN DRIVE, KILL DEER HILLS, NC 27948

FILE NO.: 0900200
SURVEYED: 07/22/09 WLN
DRAWN: 07/23/09 WLN
CHECKED: 07/23/09 WLN
SCALE: 1" = 50'
SHEET NO. 1
OF 3 SHEETS

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WETLANDS SURVEY OF

N.C. 12 - NATIONAL PARK SERVICE - BODIE ISLAND
SURVEY OF STATION 280+00 - 285+00 AND ADDITIONAL CULVERTS
BODIE ISLAND - DARE COUNTY - NORTH CAROLINA
MESA PROFESSIONAL CORPORATION
703 INDIAN DRIVE, MILL CREEK HILLS, NC 27546

FILE NO.: 0900200
SURVEYED: 07/22/09 WLN
DRAWN: 07/23/09 WLN
CHECKED: 07/23/09 WLN
SCALE: 1" = 50'
SHEET NO. 3
OF 3 SHEETS

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