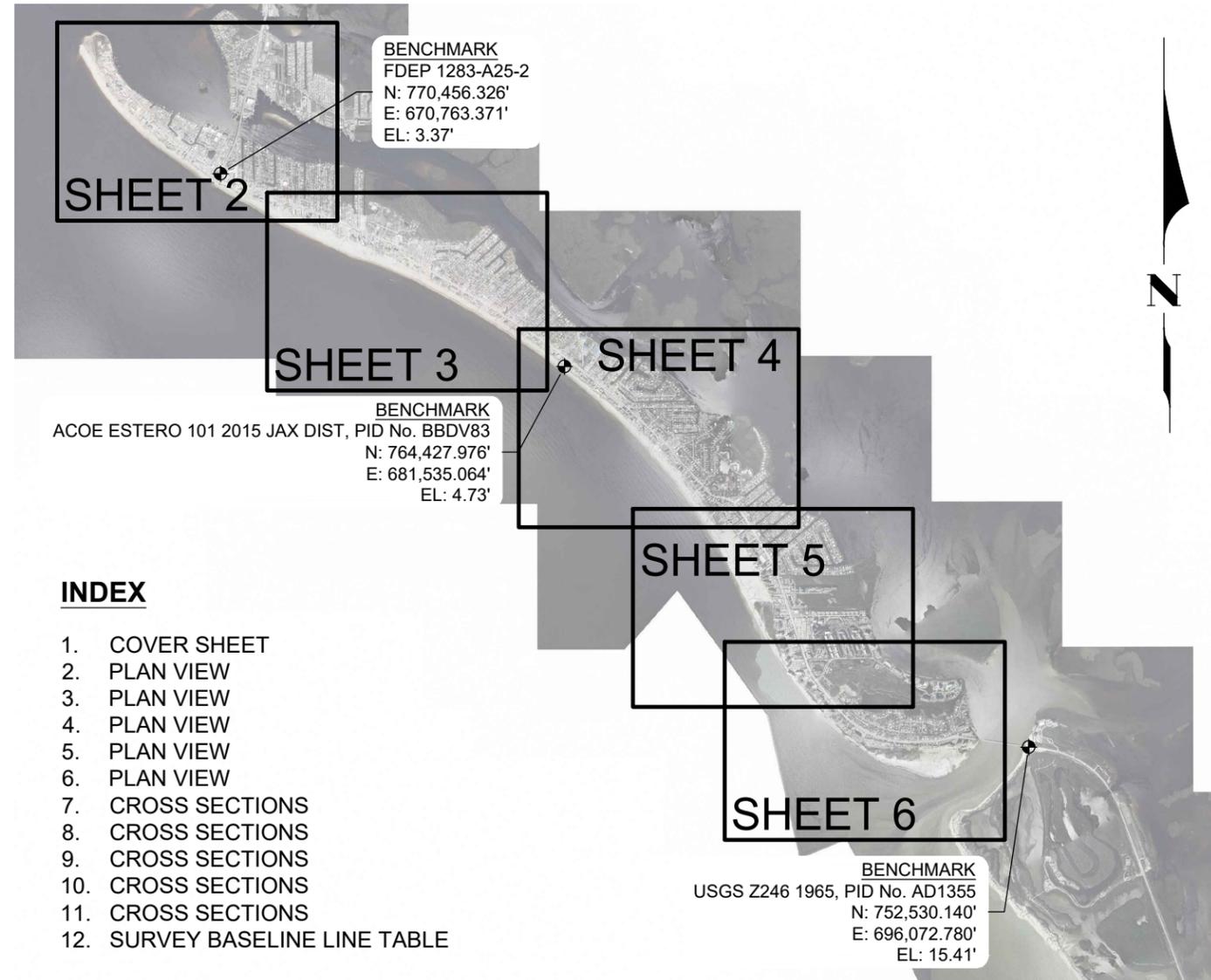


EMERGENCY BERM CONSTRUCTION PLANS

PREPARED FOR:
TOWN OF FORT MYERS BEACH

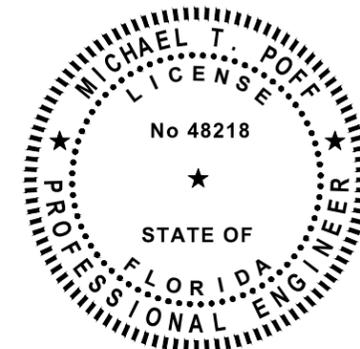


INDEX

1. COVER SHEET
2. PLAN VIEW
3. PLAN VIEW
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5. PLAN VIEW
6. PLAN VIEW
7. CROSS SECTIONS
8. CROSS SECTIONS
9. CROSS SECTIONS
10. CROSS SECTIONS
11. CROSS SECTIONS
12. SURVEY BASELINE LINE TABLE

LOCATION MAP

1" = 5,000'



NOTES

1. COASTAL ENGINEERING CONSULTANTS, INC (CEC) CONDUCTED THE POST-IAN SURVEY OF NORTH AND SOUTH ESTERO ISLAND, C-174 TO R-186 AND R-200 TO R-210 ON OCTOBER 11, 2022. CEC CONDUCTED THE POST-IAN SURVEY OF CENTRAL ESTERO ISLAND, R-187 TO R-199 ON OCTOBER 26, 2022.
2. 1978 DEPARTMENT OF NATURAL RESOURCES COASTAL CONSTRUCTION CONTROL LINE (CCCL) RECORDED IN THE PLAT BOOK 31, PAGE 3, LEE COUNTY, FLORIDA.
3. EROSION CONTROL LINE (ECL) OBTAINED FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION ON 1/28/2020, FILE NAME: ECL2505.SHP
4. PARCEL DATA OBTAINED FROM LEE COUNTY GIS ON 06/08/2021.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
6. ELEVATIONS SHOWN HEREON ARE IN FEET AND TENTHS AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BENCHMARKS USED:

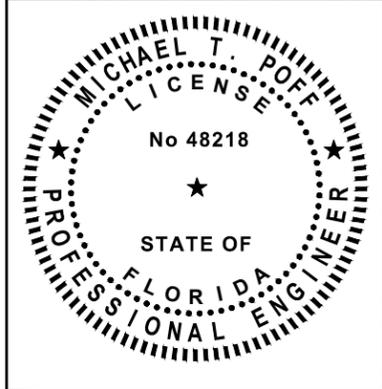
ACOE ESTERO 101 2015 JAX DIST, PID NO. BBDV83
NORTHING: 764,427.976'
EASTING: 681,535.064'
ELEVATION: 4.73' NAVD 1988

FDEP 1283-A25-2
NORTHING: 770,456.326'
EASTING: 670,763.371'
ELEVATION: 3.37' NAVD 1988

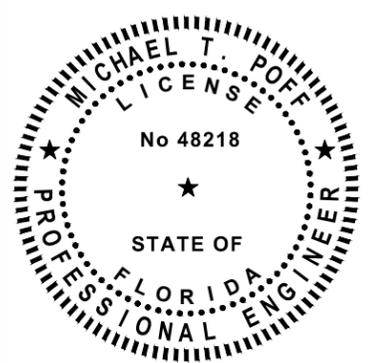
USGS Z246 1965, PID NO. AD1355
NORTHING: 752,530.14'
EASTING: 696,072.78'
ELEVATION: 15.41' NAVD 1988

7. MEAN HIGH WATER ELEVATION OF +0.3 FEET NAVD88 IS BASED ON INFORMATION FROM THE FDEP AND TIDE STATION ID NUMBER 8727366.
8. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO NAVD88.
9. SURVEY ACCURACY STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING MANUAL, 11/30/2013.
10. INFORMATION SHOWN HEREON REFLECTS CONDITIONS AS THEY EXISTED ON THE SURVEY DATE SHOWN AND CAN ONLY BE CONSIDERED INDICATIVE OF CONDITIONS AT THAT TIME.
11. AERIAL PHOTOGRAPHY OBTAINED FROM NOAA, DATED 2022.

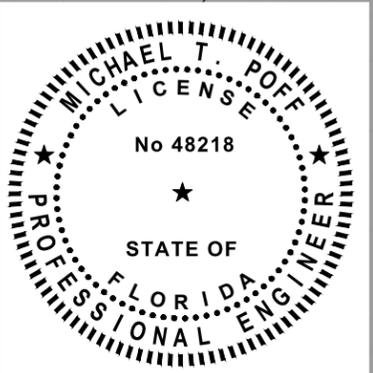
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REF. NO.	NO.	BY
	22,402	
TOWN OF FORT MYERS BEACH		
EMERGENCY BERM COVER SHEET		
CLIENT: TOWN OF FORT MYERS BEACH	TITLE: EMERGENCY BERM COVER SHEET	
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464	PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com	
COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977	28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	
SHEET 1	FILE NO.: 22402-C-1	



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REF. NO.	22.402		
CLIENT: TOWN OF FORT MYERS BEACH			
TITLE: EMERGENCY BERM PLAN VIEW			
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464		PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com	
COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977		28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135	
SHEET 2		FILE NO.: 22402-C-2	



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REF. NO. 22.402			
NO.		DATE	
BY			
REVISION DESCRIPTION			
TOWN OF FORT MYERS BEACH			
EMERGENCY BERM PLAN VIEW			
CLIENT: TOWN OF FORT MYERS BEACH			
TITLE: EMERGENCY BERM PLAN VIEW			
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SHEET 3 FILE NO.: 22402-C-3			



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CLIENT: TOWN OF FORT MYERS BEACH		TITLE: EMERGENCY BERM PLAN VIEW	
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464		PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com	
COASTAL ENGINEERING CONSULTANTS INC. Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135		NO:	DATE:
SHEET 4 FILE NO: 22402-C-4		BY:	

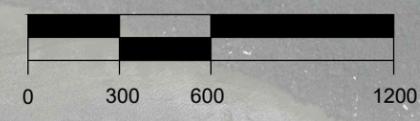
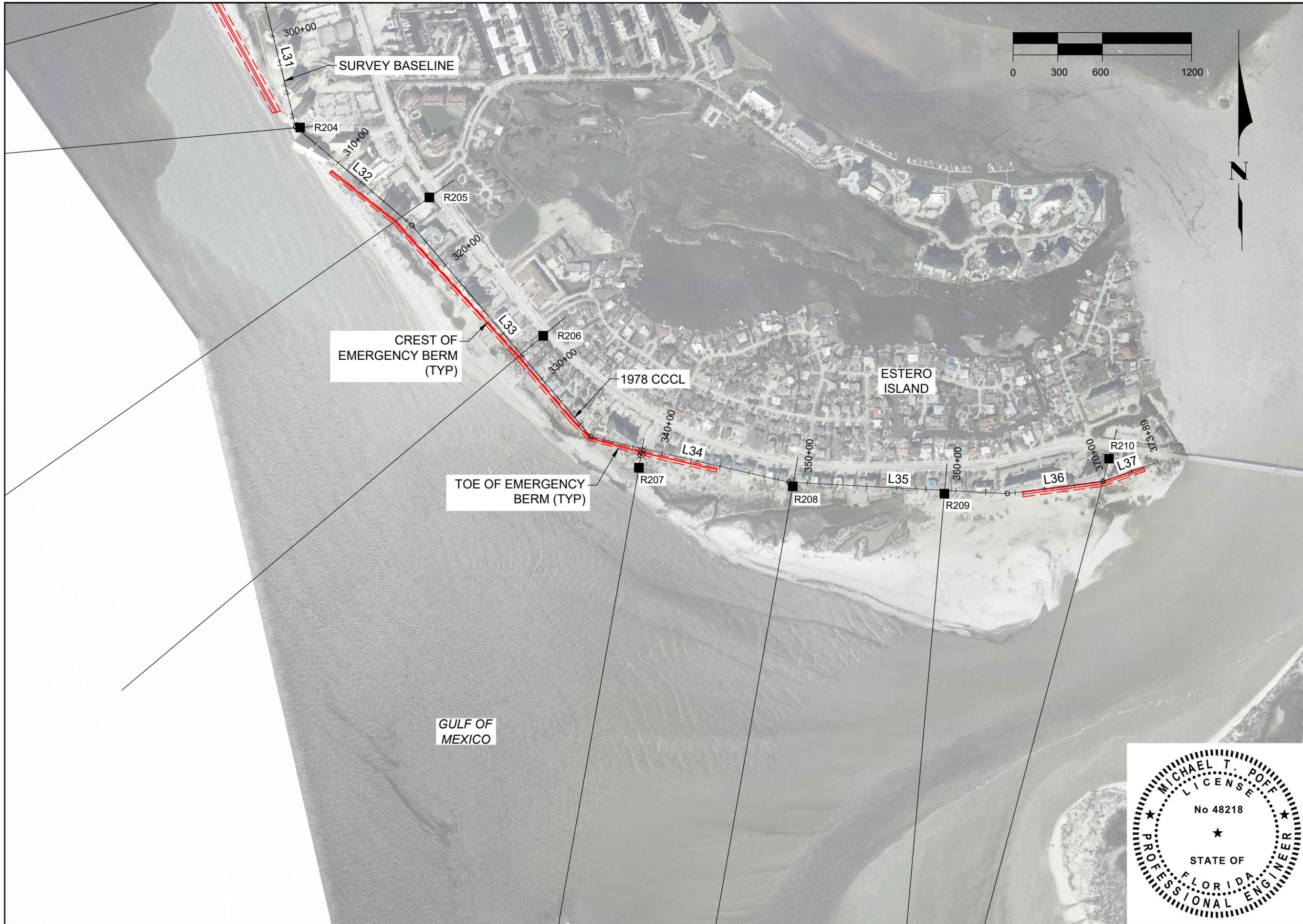


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REF. NO.		NO.	22.402

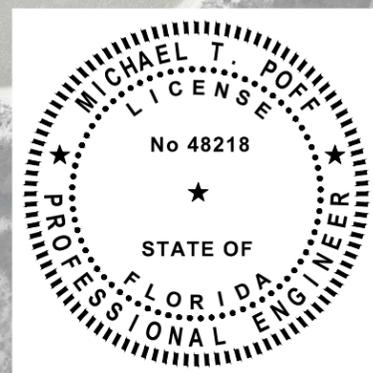
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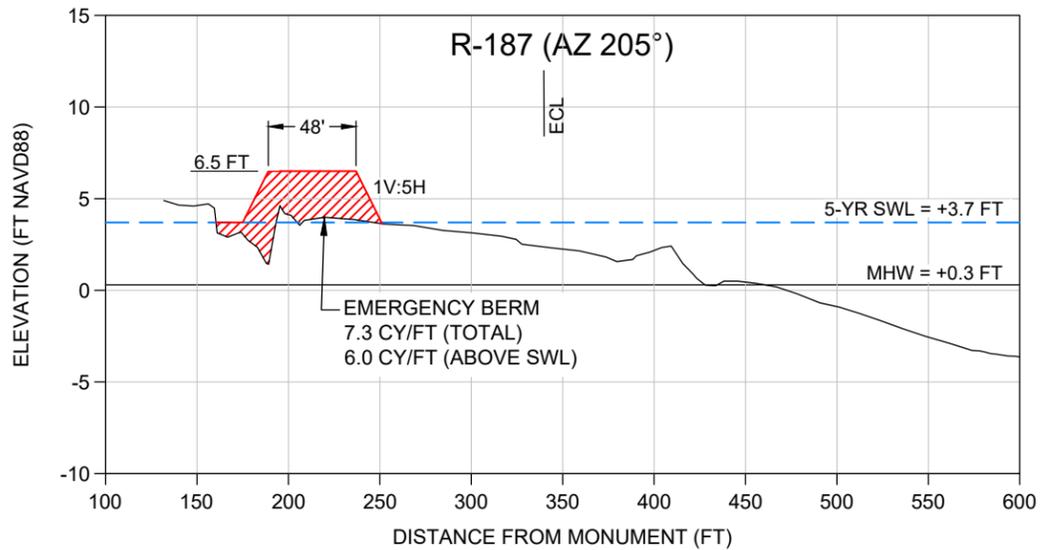
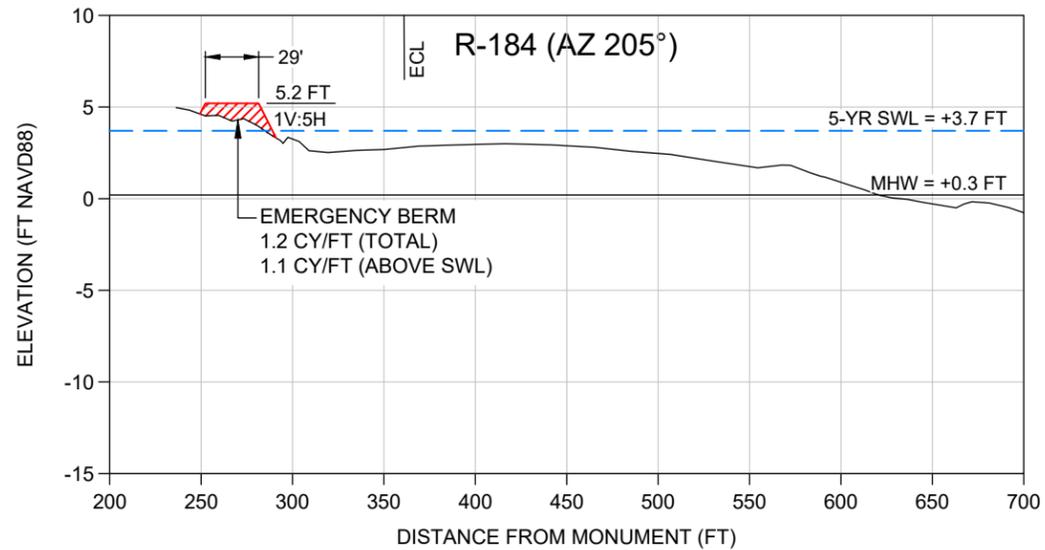
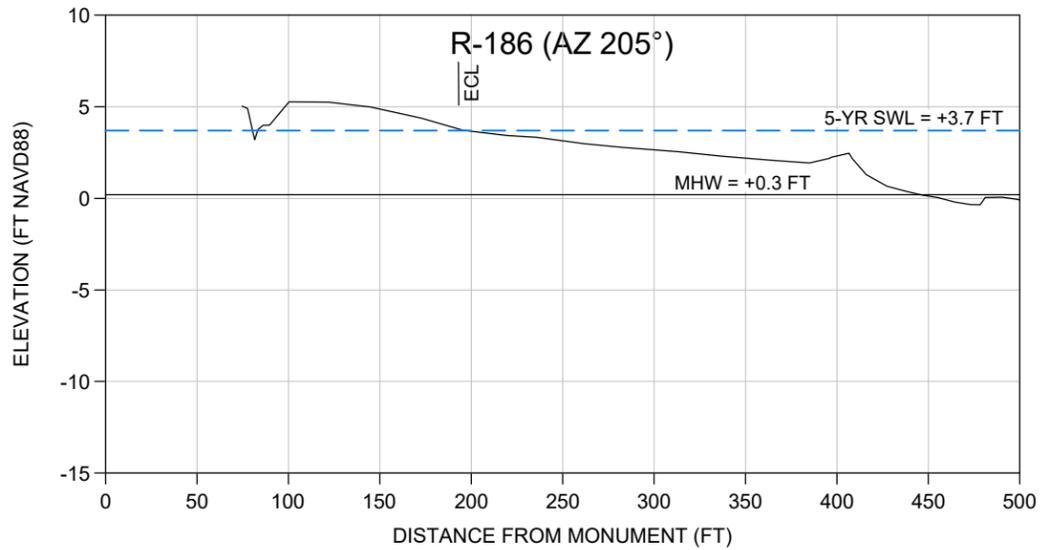
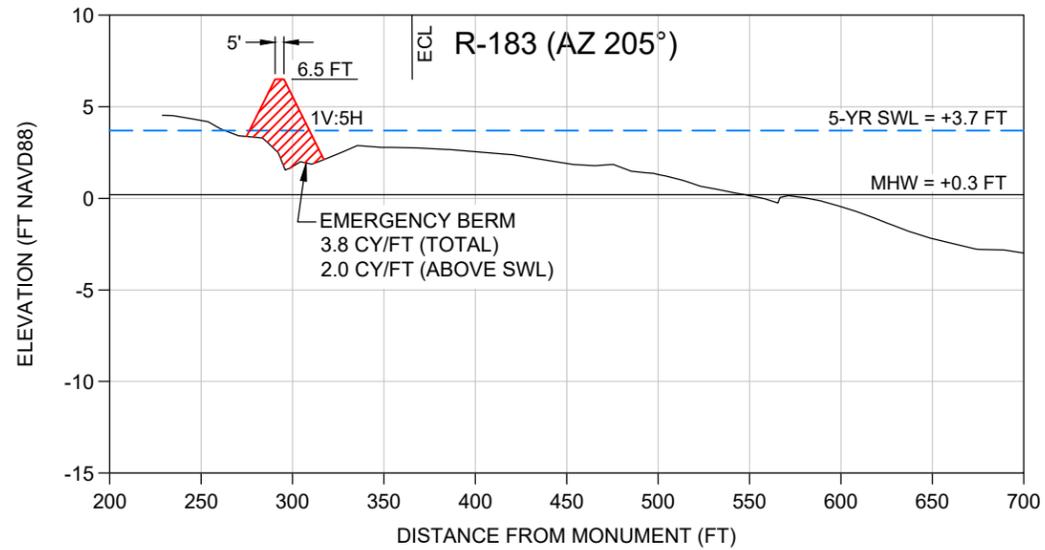
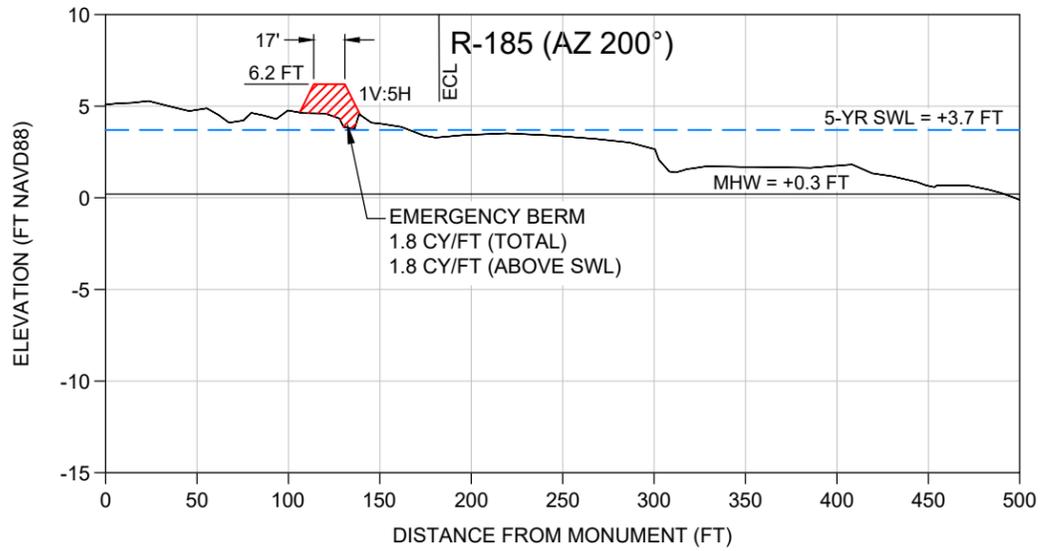
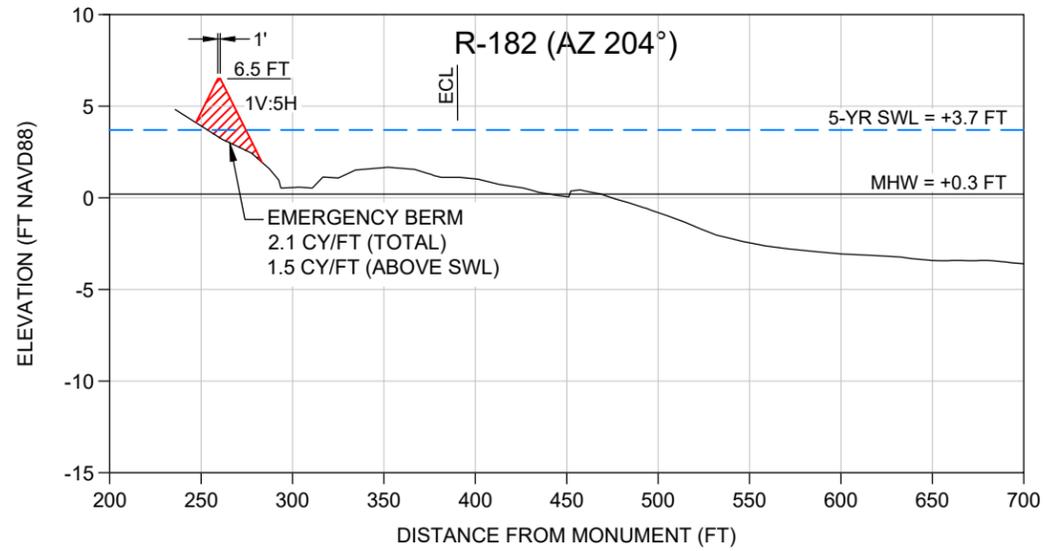
COASTAL & MARINE ENGINEERING
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 SURVEY AND MAPPING
 ENGINEERING: CA 2464
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DRAWN: SDB/FB		SDB/FB	
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REF. NO.		NO.	
		DATE	
		BY	
		22.402	
<p>CLIENT: TOWN OF FORT MYERS BEACH</p> <p>TITLE: EMERGENCY BERM PLAN VIEW</p>			
<p>COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464</p> <p>PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengr.com E-Mail: info@cecill.com</p>			
<p>Serving Coastal Communities Since 1977</p> <p>28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135</p>			
<p>SHEET 6 FILE NO.: 22402-C-6</p>			



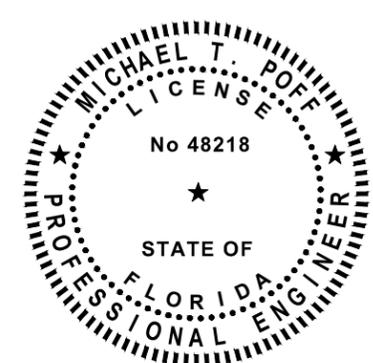


LEGEND
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Vert: 1" = 10'

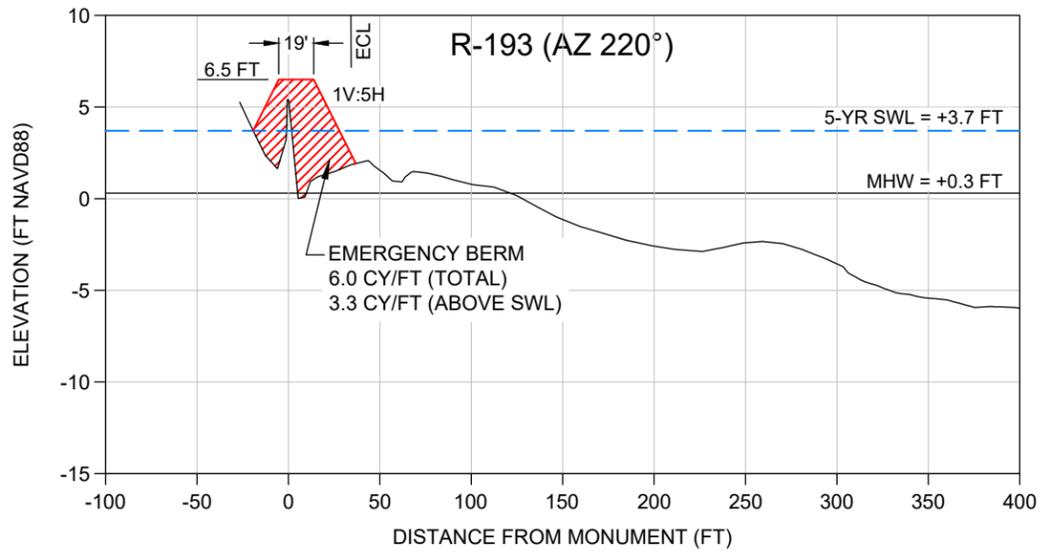
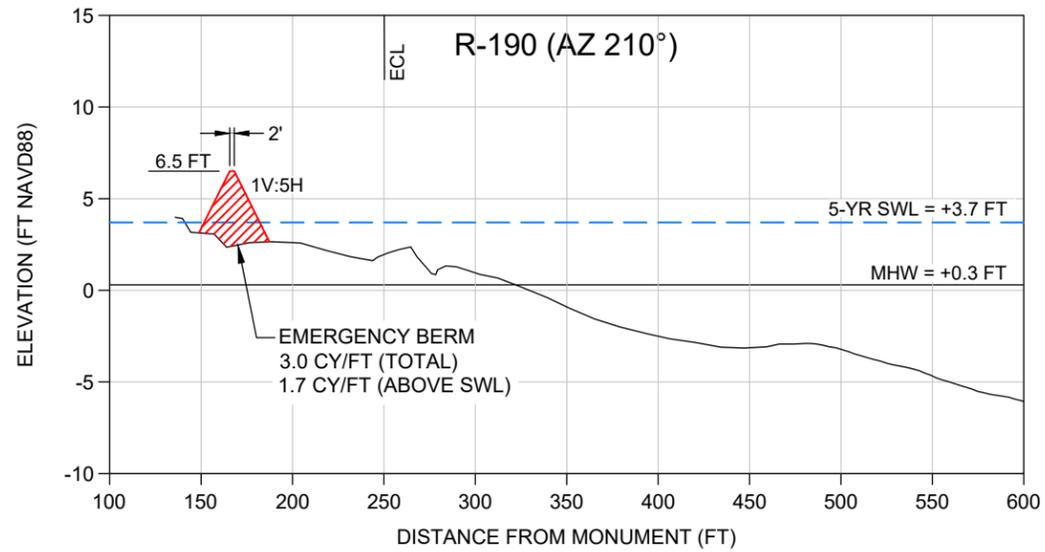
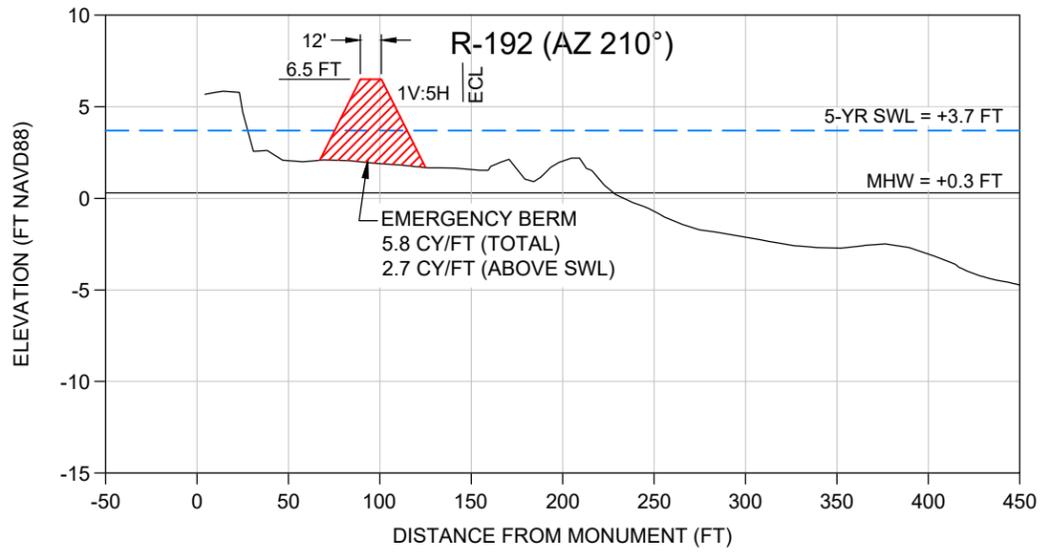
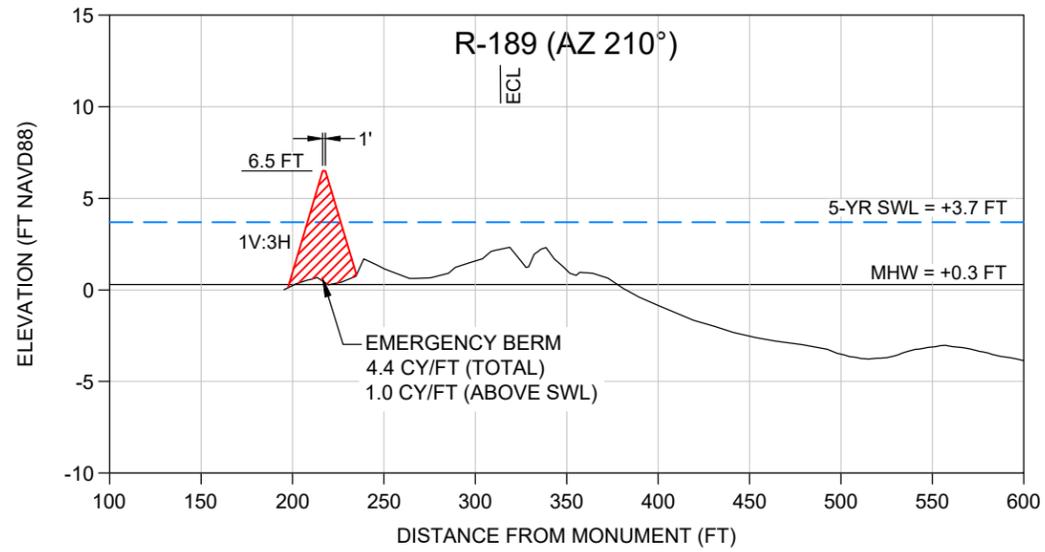
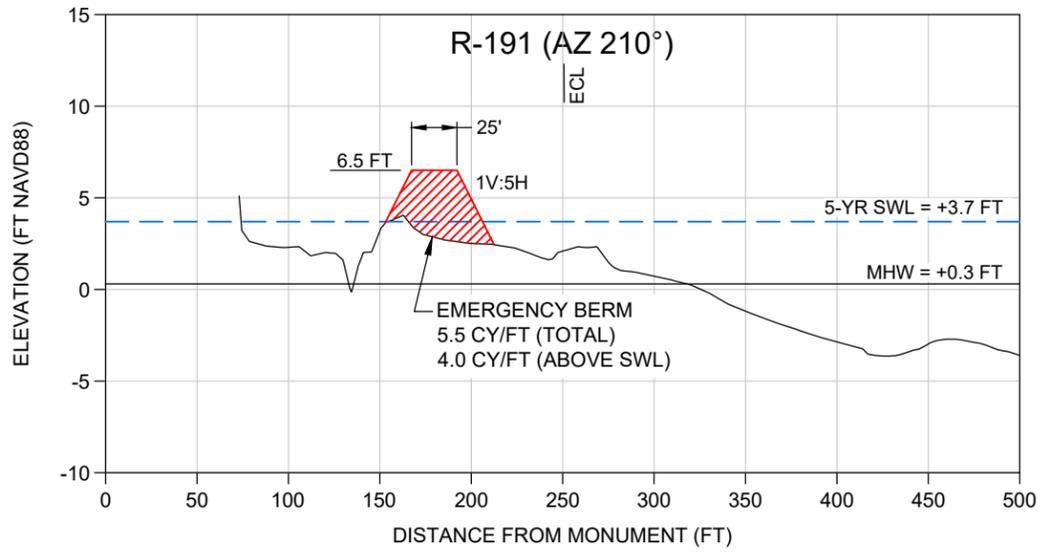
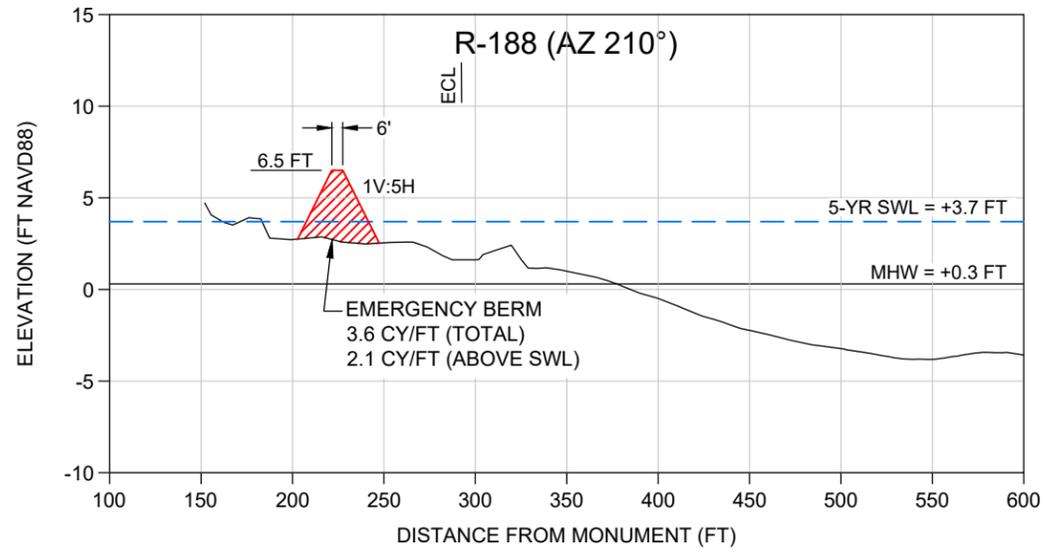
NOTE:
1. ECL denotes Erosion Control Line.

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CHECKED: MTP/PG	ACAD NO: 22402-C-Emergency Berm.dwg	CLIENT: TOWN OF FORT MYERS BEACH
SEC: TWP: RING:	REF. NO: 22.402	CLIENT: TOWN OF FORT MYERS BEACH
NO. DATE BY		CLIENT: TOWN OF FORT MYERS BEACH



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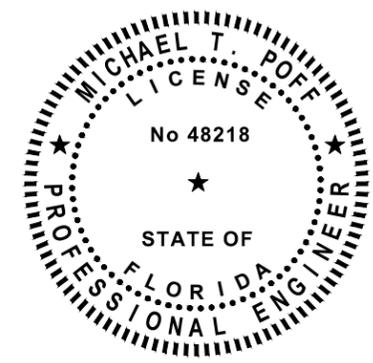
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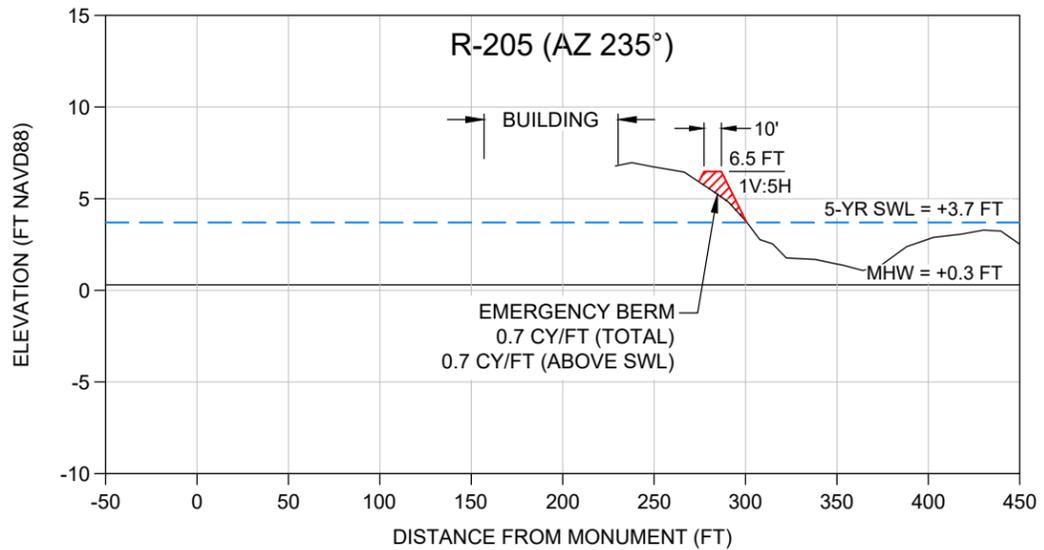
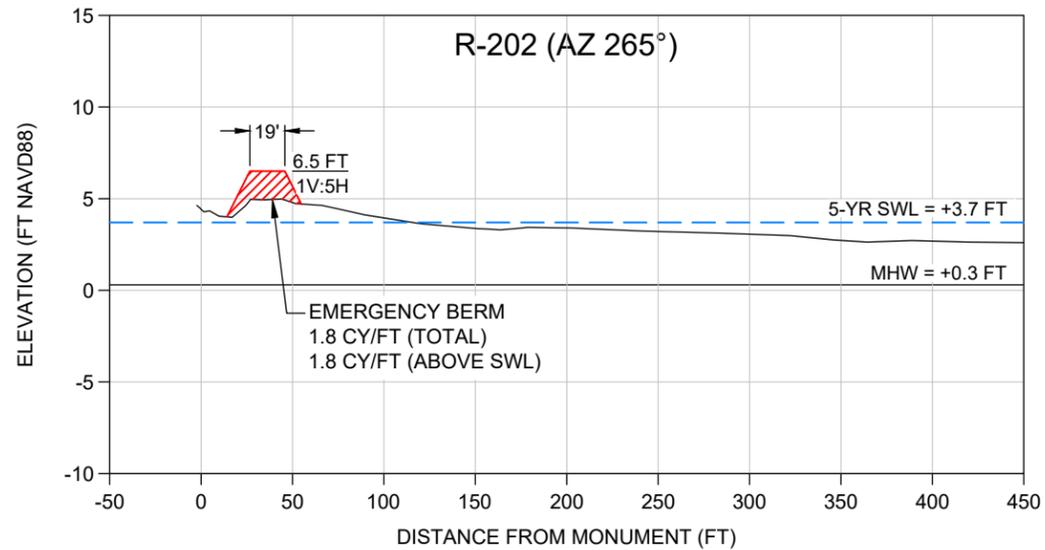
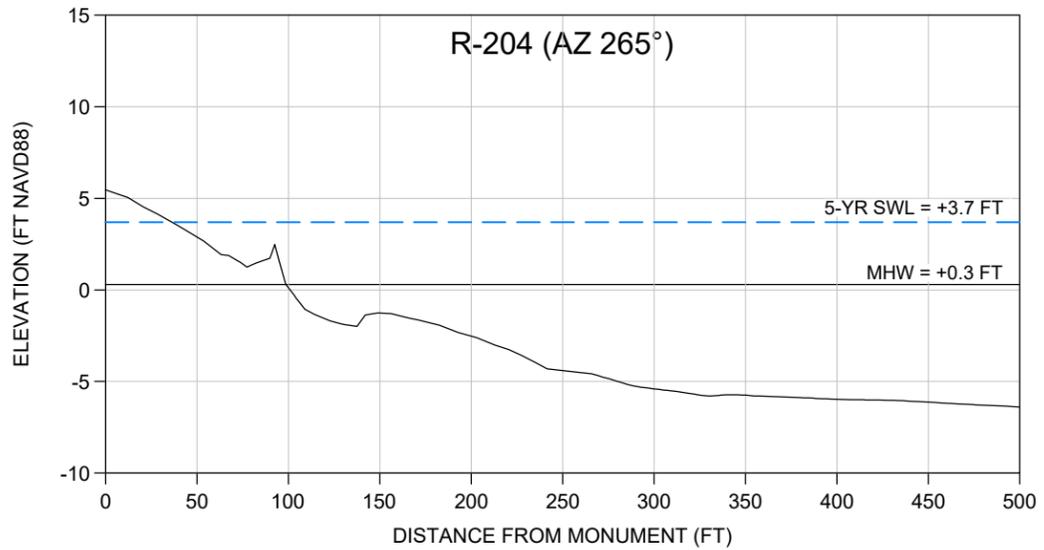
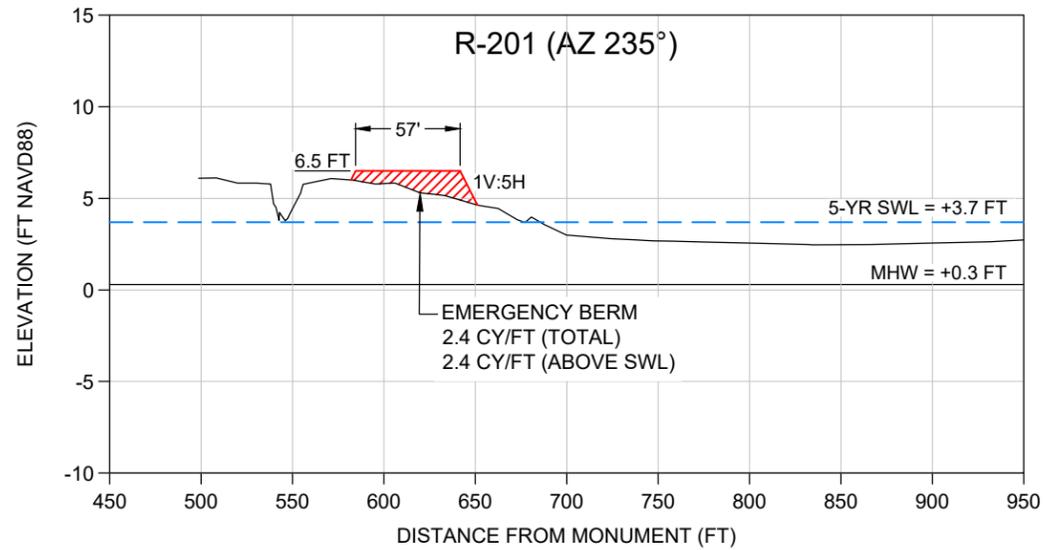
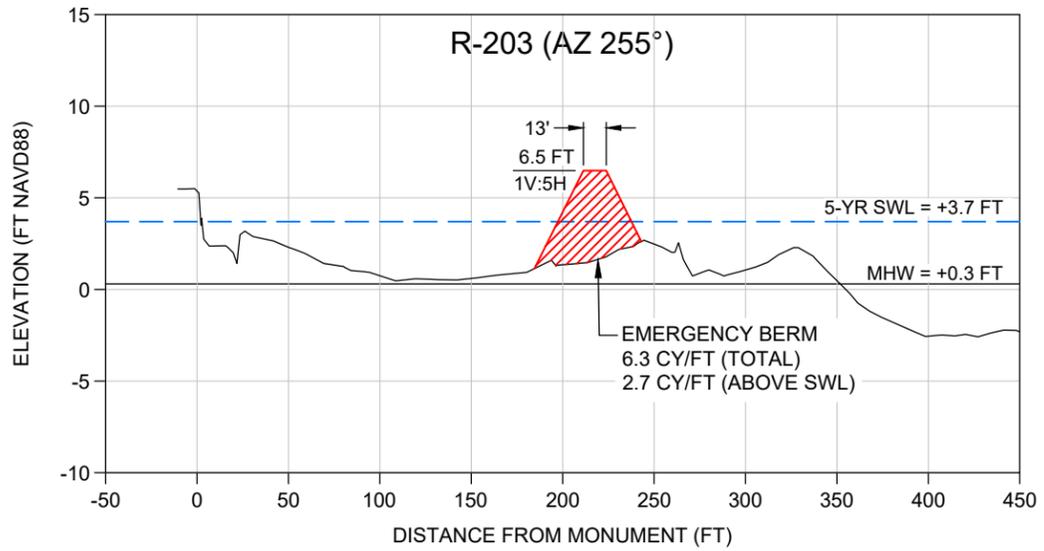
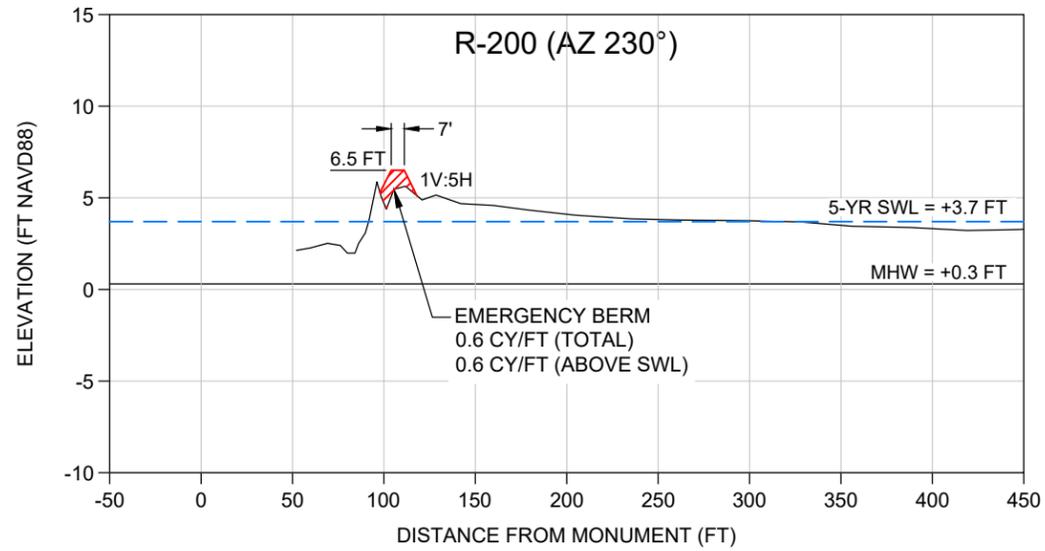
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Horiz: 1" = 100'
Vert: 1" = 10'

NOTE:
1. ECL denotes Erosion Control Line.



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SEC:	TWP:	ACAD NO:	22402-C-Emergency Berm.dwg
REF. NO.:			22.402
TOWN OF FORT MYERS BEACH			
EMERGENCY BERM CROSS SECTIONS			
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com			
Serving Coastal Communities Since 1977 28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135			
SHEET 8 FILE NO.: 22402-C-8			



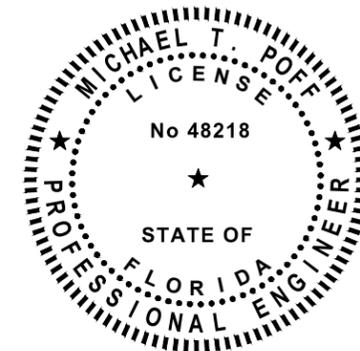
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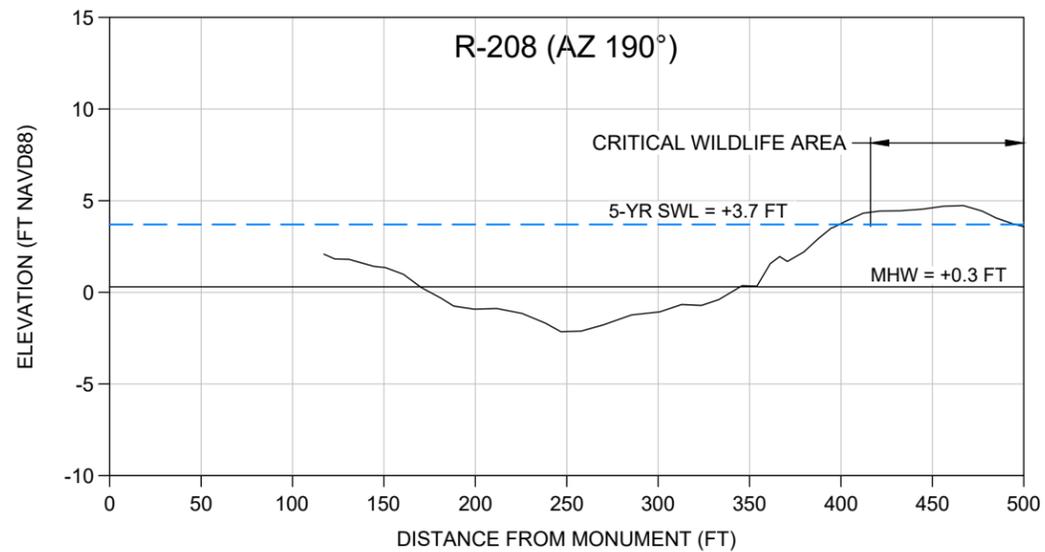
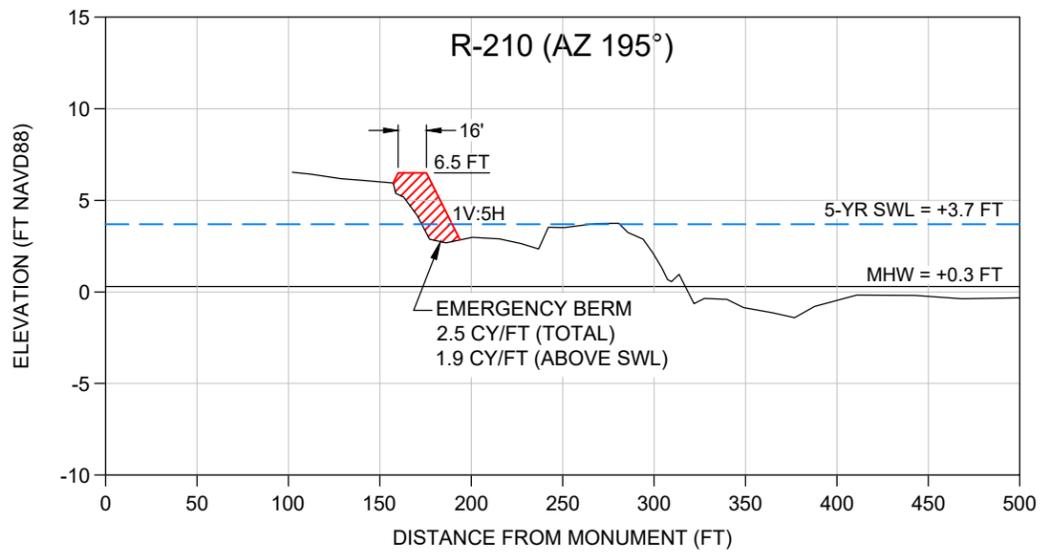
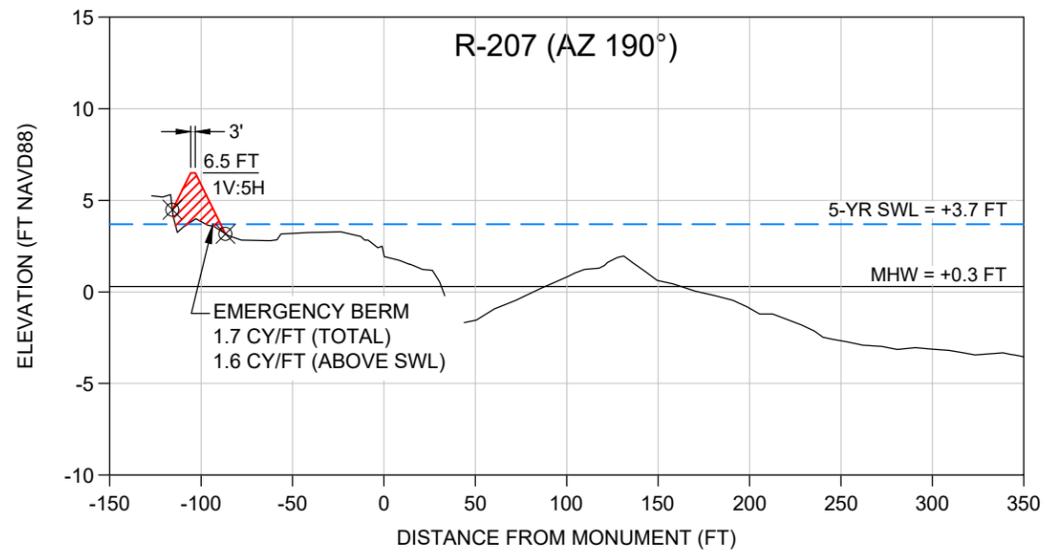
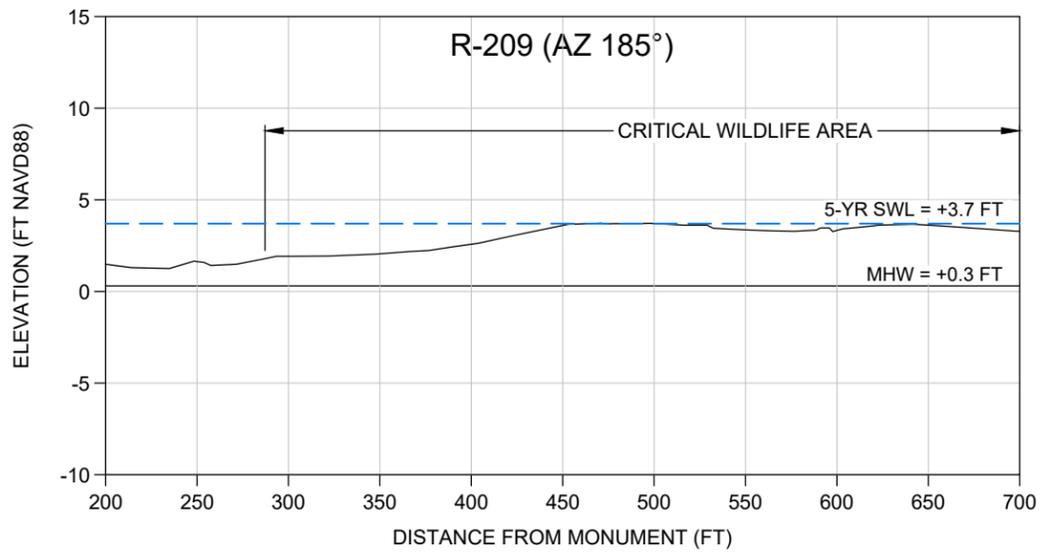
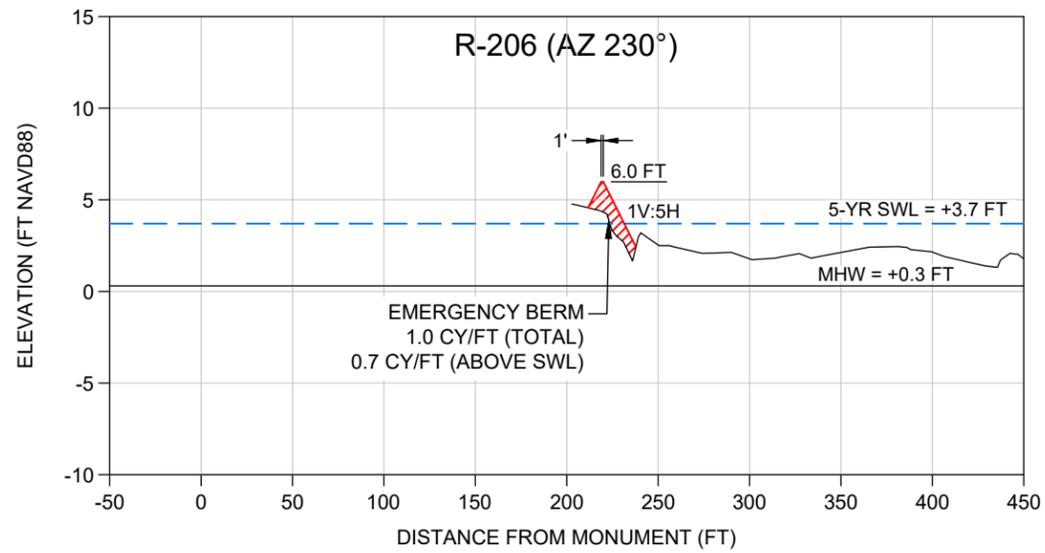
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DRAWN: SDB/FB	TITLE: EMERGENCY BERM CROSS SECTIONS	CLIENT: TOWN OF FORT MYERS BEACH
CHECKED: MTP/PG	ACAD NO: 22402-C-Emergency BERM.dwg	CLIENT: TOWN OF FORT MYERS BEACH
SEC: TWP: RING:	REF. NO: 22.402	CLIENT: TOWN OF FORT MYERS BEACH
COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464	PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengr.com E-Mail: info@cecill.com	COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464
COASTAL ENGINEERING CONSULTANTS	Serving Coastal Communities Since 1977	COASTAL ENGINEERING CONSULTANTS
28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135		28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135
SHEET 10		SHEET 10
FILE NO: 22402-C-10		FILE NO: 22402-C-10



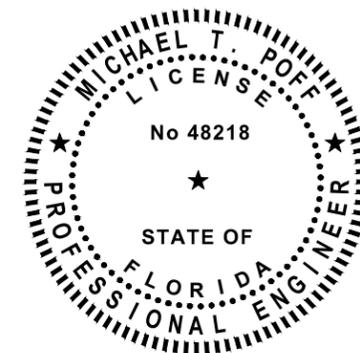
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— 2022 POST IAN (CEC)

SCALE

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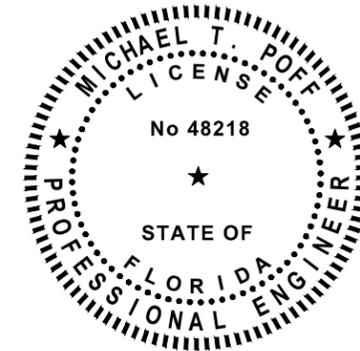
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SEC: TWP: RING:	ACAD NO: 22402-C-Emergency Berm.dwg	CLIENT: COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464
REF. NO: 22.402		PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com
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		28421 BONITA CROSSINGS BLVD BONITA SPRINGS, FLORIDA 34135
		FILE NO.: 22402-C-11

SURVEY BASELINE LINE TABLE

Line #	Length (Ft)	Direction	Start Point (X, Y)	End Point (X, Y)
L1	800.00	S16° 36' 17.99"E	(666642.45,774690.63)	(666871.07,773923.99)
L2	997.00	S33° 35' 51.73"E	(666871.07,773923.99)	(667422.77,773093.55)
L3	1089.00	S40° 26' 40.02"E	(667422.77,773093.55)	(668129.22,772264.78)
L4	707.00	S44° 04' 49.20"E	(668129.22,772264.78)	(668621.05,771756.90)
L5	607.00	S47° 31' 42.82"E	(668621.05,771756.90)	(669068.78,771347.04)
L6	1996.00	S54° 10' 12.47"E	(669068.78,771347.04)	(670687.06,770178.62)
L7	1368.00	S67° 10' 39.64"E	(670687.06,770178.62)	(671947.96,769648.00)
L8	1075.00	S67° 38' 47.46"E	(671947.96,769648.00)	(672942.18,769239.16)
L9	800.00	S67° 38' 48.00"E	(672942.18,769239.16)	(673682.06,768934.91)
L10	779.00	S66° 13' 55.08"E	(673682.06,768934.91)	(674394.99,768620.94)
L11	677.00	S66° 13' 53.99"E	(674394.99,768620.94)	(675014.57,768348.09)
L12	1400.00	S66° 07' 47.00"E	(675014.57,768348.09)	(676294.82,767781.55)
L13	1057.00	S61° 00' 32.65"E	(676294.82,767781.55)	(677219.38,767269.25)
L14	878.00	S60° 14' 32.77"E	(677219.38,767269.25)	(677981.60,766833.48)
L15	1018.00	S58° 50' 33.42"E	(677981.60,766833.48)	(678852.75,766306.77)
L16	1063.00	S57° 22' 40.00"E	(678852.75,766306.77)	(679748.05,765733.71)
L17	909.00	S56° 54' 53.57"E	(679748.05,765733.71)	(680509.67,765237.50)
L18	1057.00	S53° 46' 57.17"E	(680509.67,765237.50)	(681362.44,764612.97)
L19	1140.00	S50° 57' 37.21"E	(681362.44,764612.97)	(682247.89,763894.93)
L20	1576.00	S49° 54' 15.79"E	(682247.89,763894.93)	(683453.48,762879.89)

SURVEY BASELINE LINE TABLE

Line #	Length (Ft)	Direction	Start Point (X, Y)	End Point (X, Y)
L21	1572.00	S47° 02' 18.42"E	(683453.48,762879.89)	(684603.89,761808.56)
L22	350.00	S38° 43' 48.44"E	(684603.89,761808.56)	(684822.87,761535.52)
L23	828.00	S43° 34' 01.01"E	(684822.87,761535.52)	(685393.52,760935.58)
L24	447.00	S45° 11' 49.48"E	(685393.52,760935.58)	(685710.69,760620.59)
L25	777.00	S43° 26' 34.18"E	(685710.69,760620.59)	(686244.98,760056.44)
L26	1273.00	S39° 10' 39.13"E	(686244.98,760056.44)	(687049.16,759069.62)
L27	1102.00	S29° 22' 44.24"E	(687049.16,759069.62)	(687589.78,758109.35)
L28	908.00	S27° 33' 24.54"E	(687589.78,758109.35)	(688009.85,757304.36)
L29	658.00	S13° 32' 32.85"E	(688009.85,757304.36)	(688163.93,756664.65)
L30	677.00	S8° 05' 44.00"E	(688163.93,756664.65)	(688259.27,755994.40)
L31	1041.00	S13° 58' 48.56"E	(688259.27,755994.40)	(688510.76,754984.23)
L32	1022.00	S49° 47' 34.18"E	(688510.76,754984.23)	(689291.28,754324.48)
L33	1861.00	S40° 19' 02.15"E	(689291.28,754324.48)	(690495.38,752905.51)
L34	1367.00	S77° 07' 23.80"E	(690495.38,752905.51)	(691828.00,752600.87)
L35	1471.00	S86° 58' 35.61"E	(691828.00,752600.87)	(693296.96,752523.28)
L36	649.00	N82° 36' 40.86"E	(693296.96,752523.28)	(693940.57,752606.75)
L37	393.00	N70° 40' 10.82"E	(693940.57,752606.75)	(694311.41,752736.83)



<p>COASTAL & MARINE ENGINEERING ENVIRONMENTAL & GEOLOGICAL SERVICES SURVEY AND MAPPING ENGINEERING: CA 2464 SURVEYING: LB 2464 PHONE: (239)643-2324 FAX: (239)643-1143 www.coastalengineering.com E-Mail: info@cecill.com</p>	<p>DATE: 12/28/2022 SCALE: AS NOTED DRAWN: SDB/FB CHECKED: MTP/PG SEC: TWP: RING: ACAD NO: 22402-C-Emergency Berm.dwg REF. NO. 22.402</p>	<p>CLIENT: TOWN OF FORT MYERS BEACH TITLE: EMERGENCY BERM SURVEY BASELINE LINE TABLE</p>
<p>SHEET 12 FILE NO.: 22402-C-12</p>		<p>REVISION DESCRIPTION NO. DATE BY</p>

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