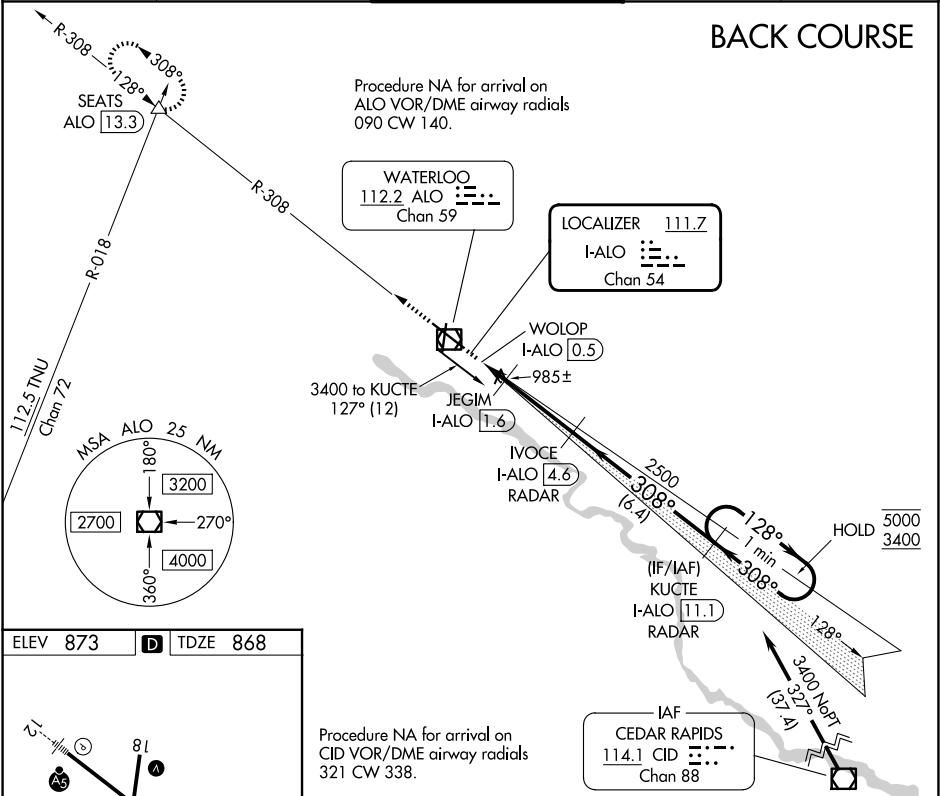


LOC/DME I-ALO 111.7 Chan 54	APP CRS 308°	Rwy Ldg TDZE Apt Elev 8399 868 873
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LOC BC RWY 30
WATERLOO RGNL (A.LO)

DME required.		MALS	MISSED APPROACH: Climb to 3500 on ALO VOR/DME R-308 to SEATS INT/ALO 13.3 DME and hold.	
ATIS 120.65	DES MOINES APP CON ★ 118.9 251.15	WATERLOO TOWER ★ 125.075 (CTAF) 257.8	GND CON 121.9 269.1	UNICOM 122.95



ELEV 873	D	TDZE 868
HIRL Rwy 12-30 MIRL Rwy 18-36 REIL Rwy 18 and 36		
FAF to MAP 4.1 NM		
Knots	60	90 120 150 180
Min:Sec	4:06	2:44 2:03 1:38 1:22

3500 SEATS Disregard glide slope indications.		KUCTE I-ALO 11.1 One Minute Holding Pattern	
ALO R-308	I-ALO DME ANTENNA	JEGIM I-ALO 1.6	I-ALO 11.1
WOLOP I-ALO 0.5	I-ALO 0.5	I-ALO 4.6	I-ALO 11.1
1520	2500	308°	128° 5000 3400
0.8 NM	1.1 NM	3.1 NM	6.4 NM
CATEGORY	A	B	C D
S-LOC 30	1360-1	1400-1	1480-1 1600-2 1600-2 1600-2
CIRCLING	487 (500-1)	527 (600-1)	607 (700-1 3/4) 727 (800-2 1/4)