## problem corner



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Convert triangle CDE to triangle E'CC' of equivalent area by constructing C'E' parallel with CE (intersecting the property line at E') and CC' parallel with the property line. (C' = North 134.3, East 11443.3 and E' = North 157.8, East 1333.3)

Construct triangle BE'E" equivalent in area to triangle BCE' by constructing line CE" parallel with BE' (intersecting the property line at E"). E"=North 63.5, East 1320.3.

Then construct triangle ABE'' equivalent in area to triangle ABE'' by constructing BE'' parallel with AE''.  $E''' = North\ 133.0$ , East 1329.9 so E''' is 53.5' along the property line from E.

The intersection points p = North 106.4, East 1010.0, q = North 120.8, East 1183.8 and r = North 124.9, East 1232.8 give areas of triangle ABp= 7296.0 s.f., triangle pqC = 5221.5 s.f., triangle qrD = 467.9 s.f. and triangle rE''E = 2542.4 s.f. for an area swap of 7763.9 s.f.

