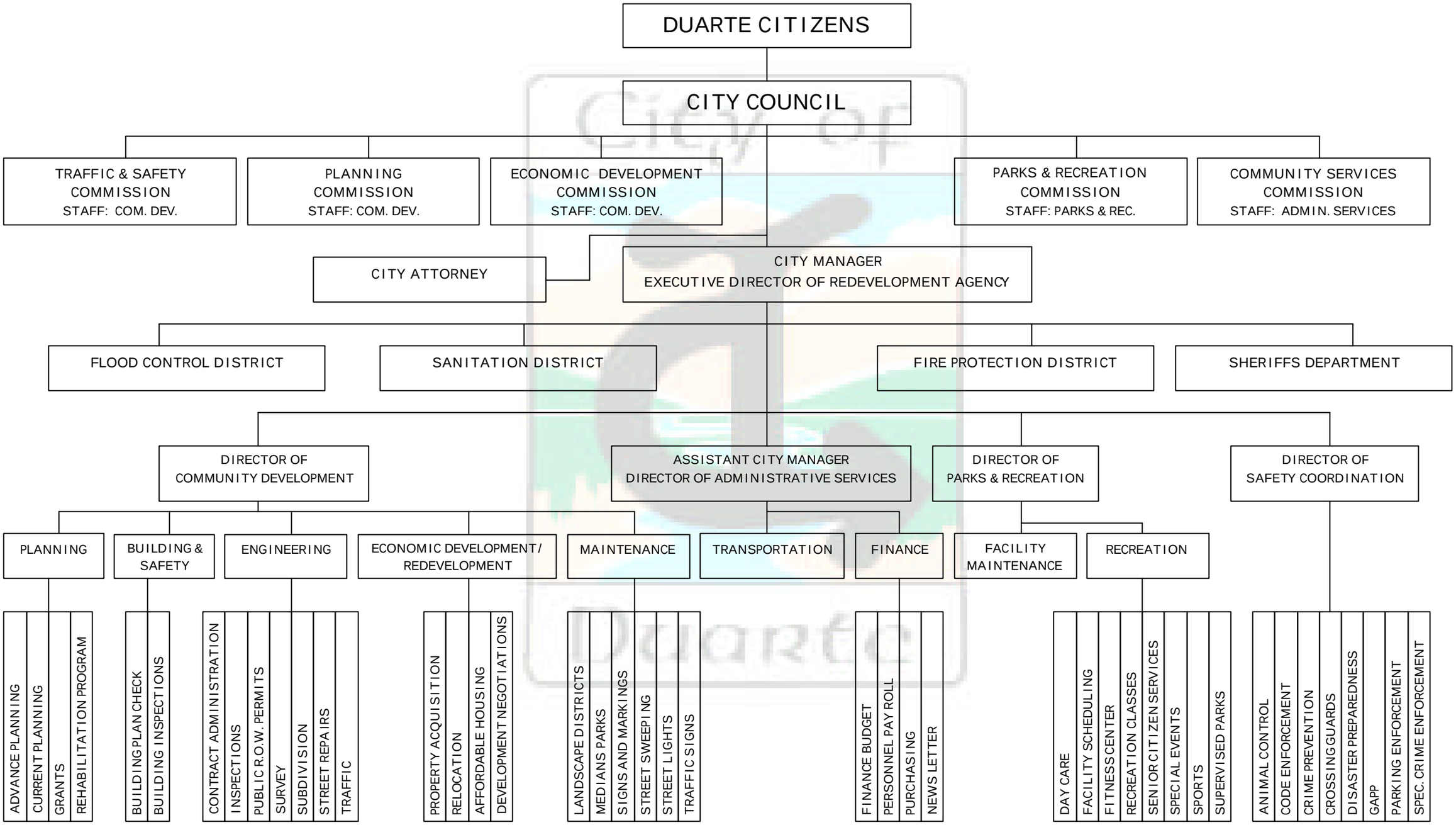Rev. 3/00 by R.A. Rocha