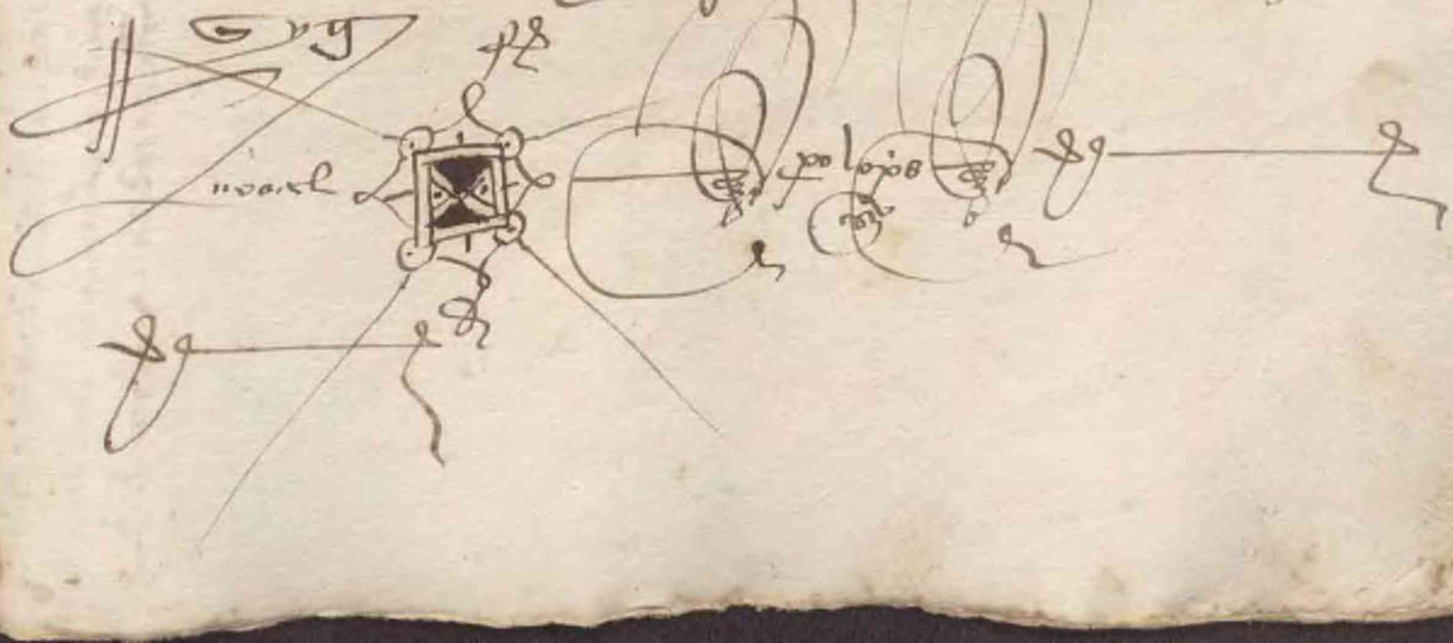Mmrc-IX-33-A