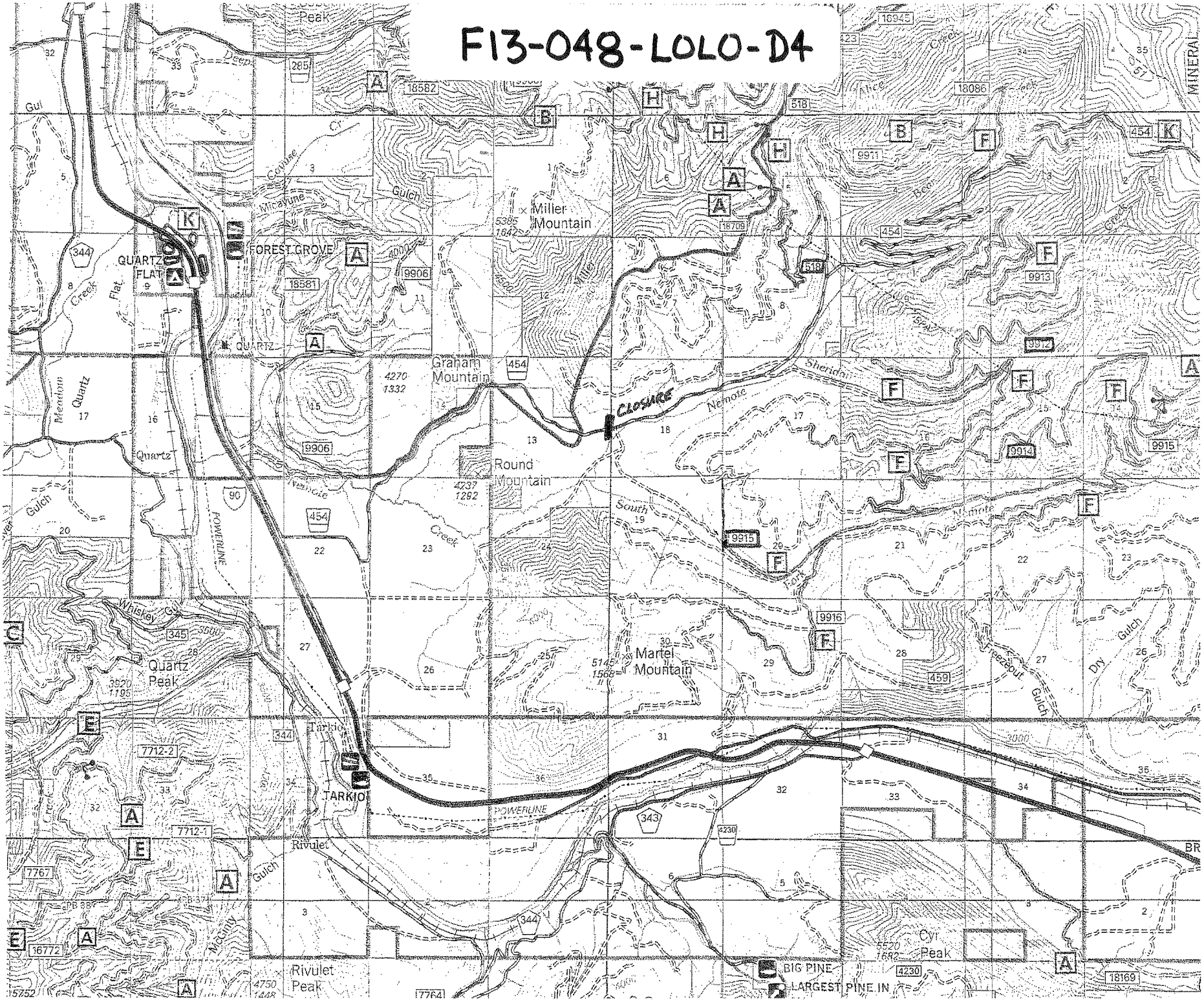F13-048-LOLO-D4