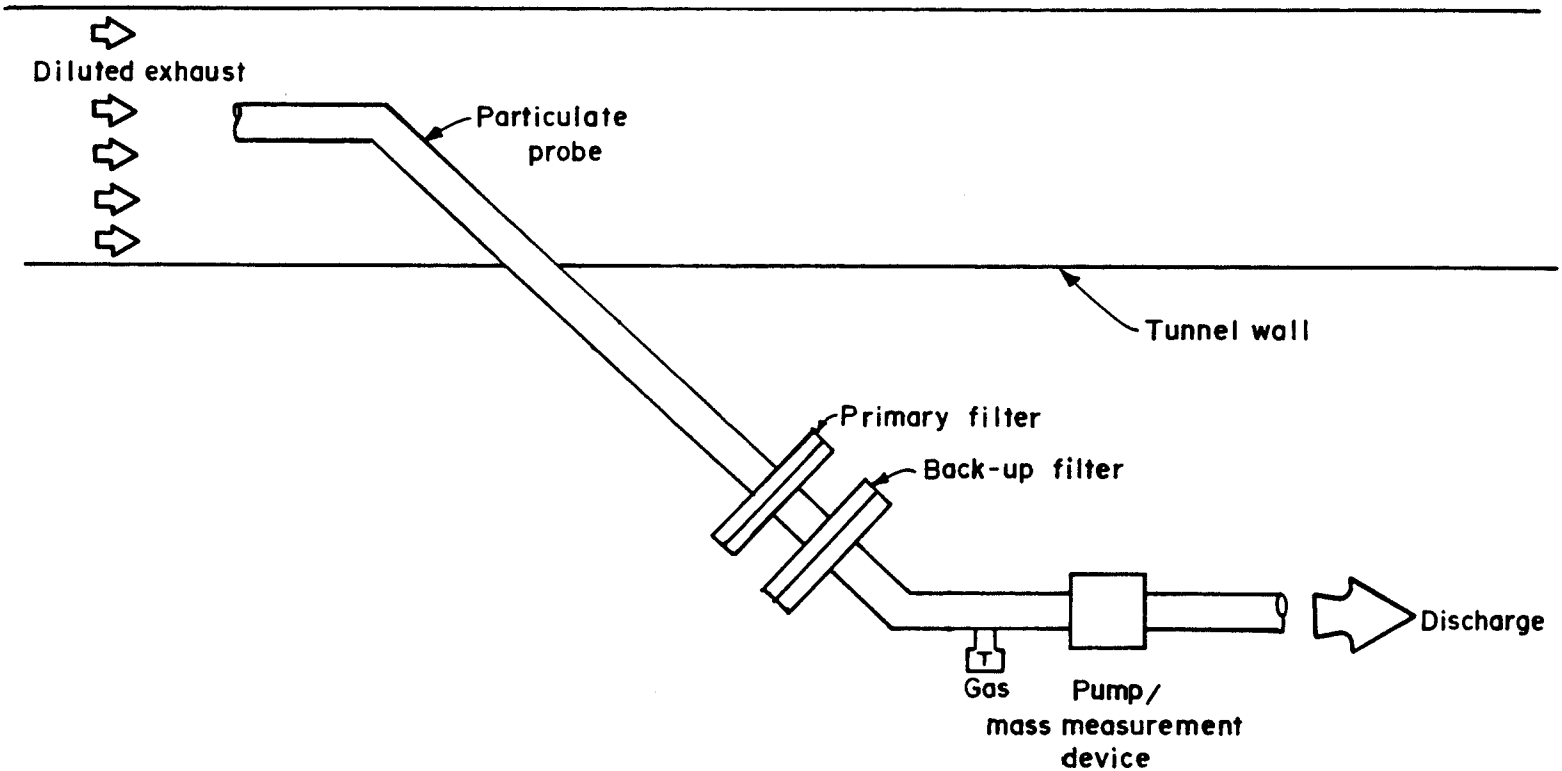FIG. E-4 PARTICULATE SAMPLING SYSTEM