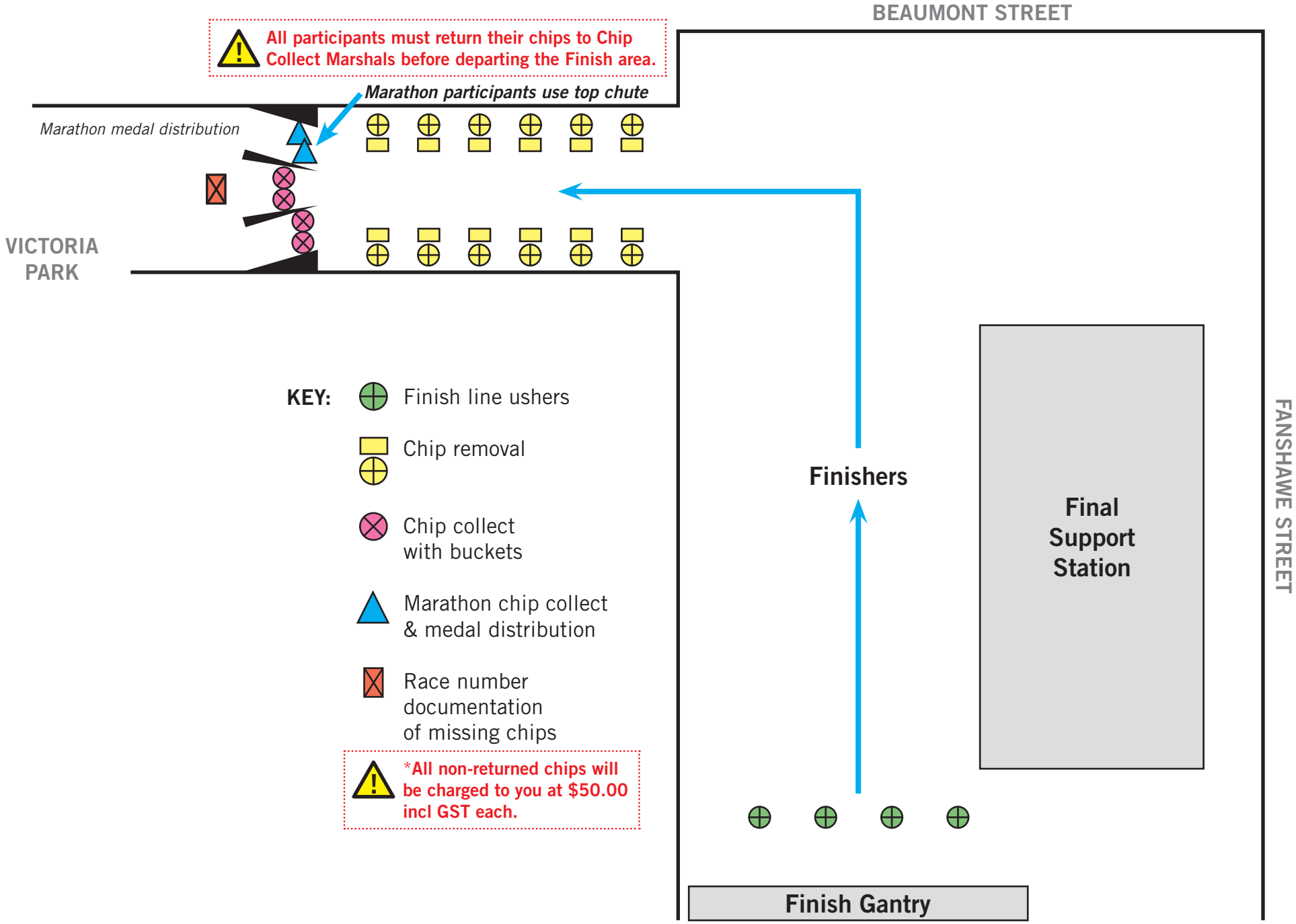CHIP RETURN MAP