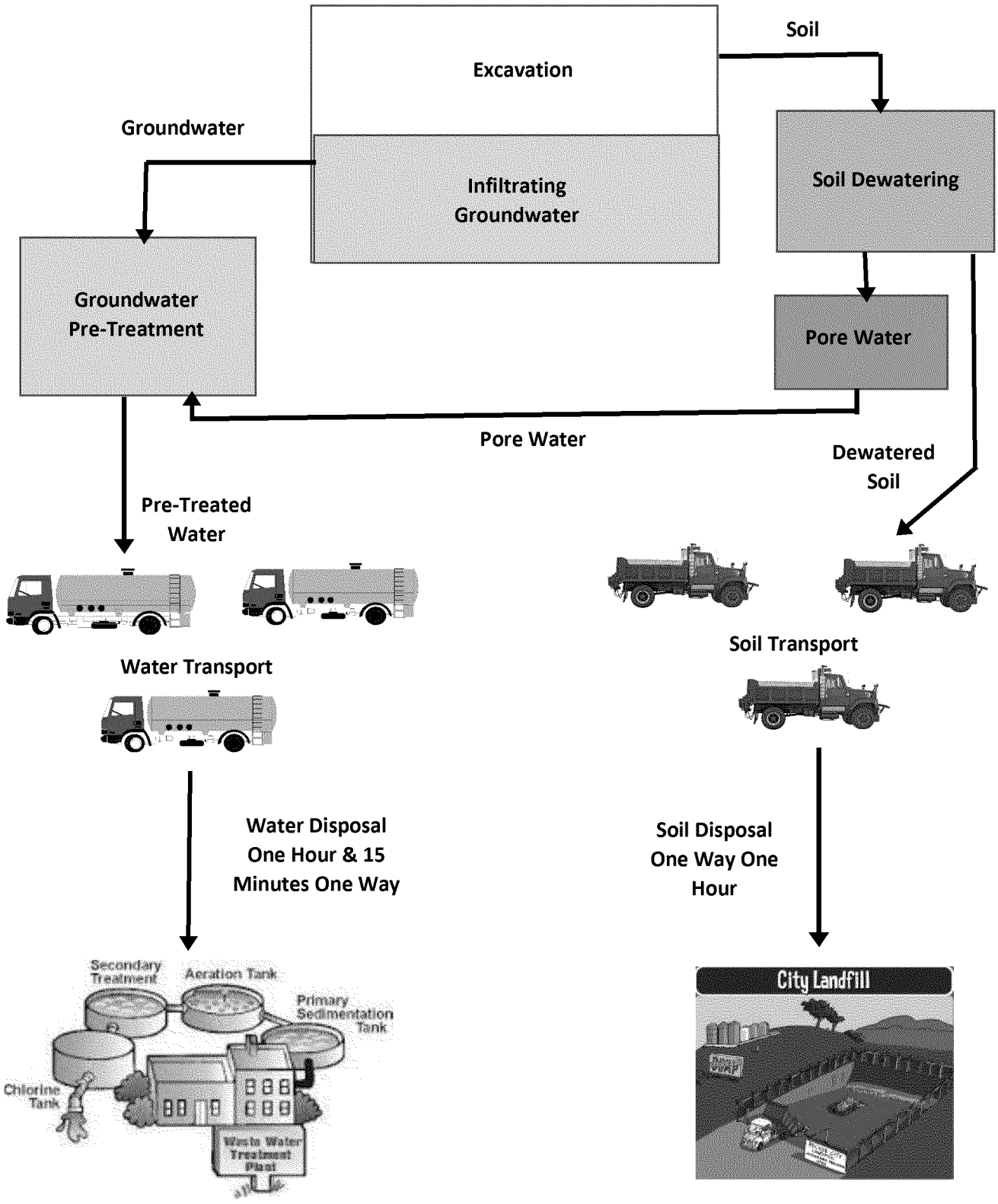Excavation Process