Utilities in the Reinforced Soil Zone

Keep sufficient separation to meet max geogrid slope and clearance requirements

Maintain 3" (76 mm) minimum between geogrid and pipe

Wrap pipe joints with non-woven geotextile fabric (AASHTO M288 Survivability Class 2)
48" (1.22 m) wide minimum centered on joint

Storm or sanitary sewer pipe installed parallel to wall

AASHTO No. 57 stone (or equivalent)
6" (152 mm) minimum around pipe

Install geogrid strips above and below pipe

"Dry" Utilities (Electric, Gas, Telecommunications)

Keep sufficient separation to meet max geogrid slope and clearance requirements

Maintain 3" (76 mm) minimum between geogrid and pipe

"Dry" Utilities installed parallel to wall

Install geogrid strips above and below pipe

Redi-Rock International follows the recommendations of FHWA GEC 011 and discourages placing pipes or other horizontal obstructions behind the wall in the reinforced soil zone. Placing pipes in this zone could lead to maintenance problems and potential wall failure.