Typical Details For Utilities Below Wall

- ANY DISTURBANCE OF THE SOILS OUTSIDE THE 1:1 EXCAVATION AREA MUST ALSO BE FILLED WITH SELECT FILL.
- THIS AREA MUST BE BACKFILLED WITH SELECT FILL, COMPACTED TO 100 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.

**Formulas:**

- $W_{gf} = WIDTH$ OF GRANULAR FILL
- $D_p = DEPTH$ OF PIPE
- $L = LENGTH$ OF GEOSYNTHETIC REINFORCEMENT

**Equation:**

$W_{gf} = (2 \times D_p) + L + 6"$