2'-0" 6" 12" (MIN) OF FREE-DRAINING AGGREGATE FILTER FABRIC (TYP)

FREE-DRAINING AGGREGATE FILTER FABRIC (TYP)

25\(\text{unit}\)

6" MINIMUM COMPACTED GRANULAR-BASE LEVELING PAD

WRAP PIPE IN FILTER FABRIC TO REDUCE FINES WASHING OUT THE FACE

SCOUR PROTECTION - AS REQUIRED USE RIPRAPH OR PRECAST SLAB IN OUTLET AREA

CONCRETE COLLAR AROUND PIPE

SCOUR PROTECTION

PLACE BOND BREAK AROUND WALL OPENING

6" 2'-0"

CASTLE MANOR™ UNIT

0° OR 9.5°

CAP UNIT

CONCRETE COLLAR AROUND PIPE DESIGNED BY OTHERS

6" 12" (MIN) OF FREE-DRAINING AGGREGATE

GEOSYNTHETIC REINFORCEMENT AROUND PIPE

4"Ø MIN DRAIN PIPE (ELEVATION VARIES)

6" MINIMUM COMPACTED GRANULAR-BASE LEVELING PAD

This drawing is for illustrative purposes only and should not be used for construction without the signature of a registered professional engineer.

Castle Manor Grana™ Multipiece Retaining Wall System

Typical Details for Large Utilities Through Wall

scale: 3/8" = 1'-0"
drawn by: SB
date: 2/4/2016
drawing number: CG8RE24