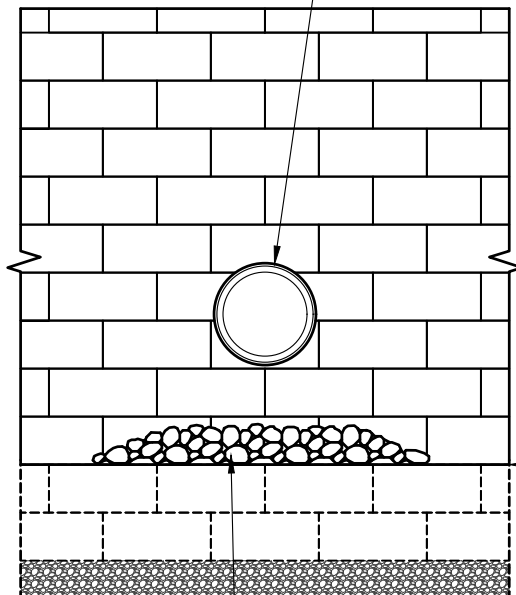


HAND CUT BLOCK UNITS  
TO WITHIN 1/2" OF PIPE



FINISHED  
GRADE

SCOUR PROTECTION AS  
REQUIRED. USE RIPRAP OR  
PRECAST SLAB IN OUTLET  
AREA (DESIGNED BY OTHERS)

FACE VIEW

CAP BLOCK

VERTICA® BLOCK

BATTER MAY VARY  
BY MANUFACTURER

2 or 4°

SCOUR  
PROTECTION

6.5"

2'-0"

GEOSYNTHETIC  
REINFORCEMENT (TYP)

12" (MIN) OF FREE-  
DRAINING AGGREGATE

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

4" Ø DRAIN TILE (EL. VARIES)

6" MINIMUM COMPACTED  
GRANULAR-BASE LEVELING PAD

SECTION VIEW



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

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## Vertica® Retaining Wall System

### TYPICAL DETAILS FOR SMALL UTILITIES THROUGH WALL

Scale:  
3/8" = 1'-0"

Drawn by:  
MAH

Date:  
6/3/2026

Drawing number:  
VT21