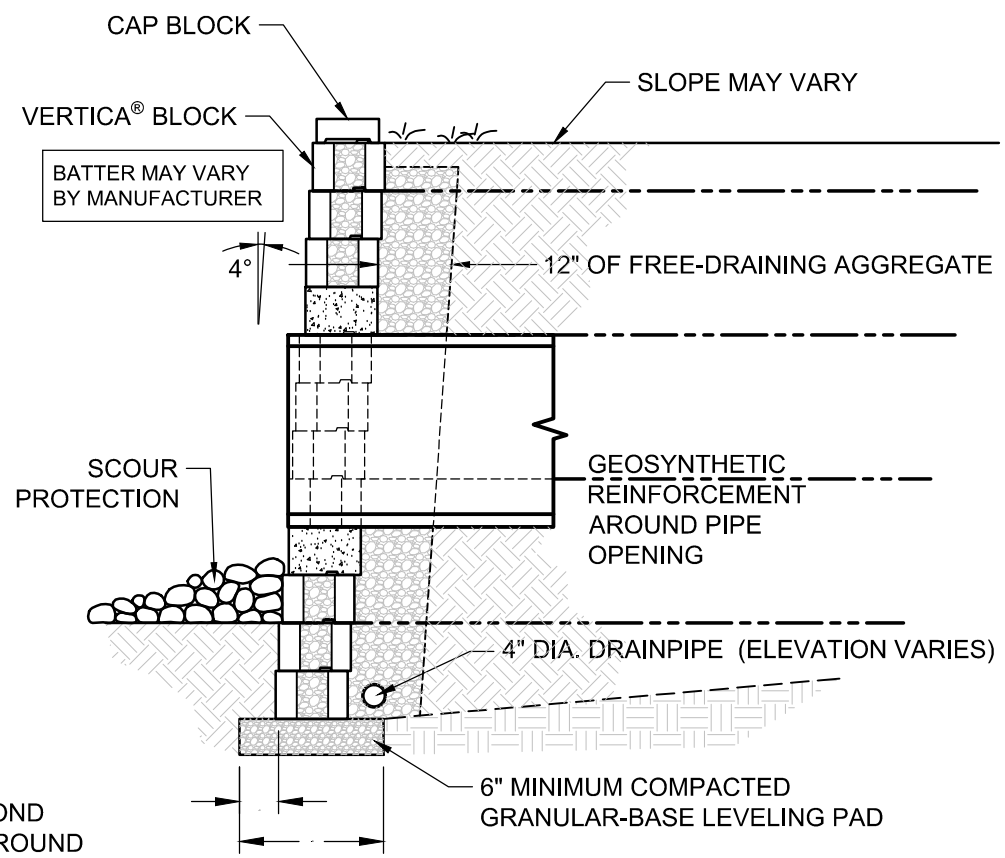


CONCRETE COLLAR  
AROUND PIPE

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

PLACE BOND  
BREAK AROUND  
WALL OPENING



CAP BLOCK

SLOPE MAY VARY

VERTICA® BLOCK

BATTER MAY VARY  
BY MANUFACTURER

4°

12" OF FREE-DRAINING AGGREGATE

SCOUR  
PROTECTION

GEOSYNTHETIC  
REINFORCEMENT  
AROUND PIPE  
OPENING

4" DIA. DRAINPIPE (ELEVATION VARIES)

6" MINIMUM COMPACTED  
GRANULAR-BASE LEVELING PAD



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

## Vertica® Straight Face Retaining Wall System

### Typical Details For Large Utilities Through Wall

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

Drawn by:  
JB

Date:  
----

Drawing number:  
VTST24