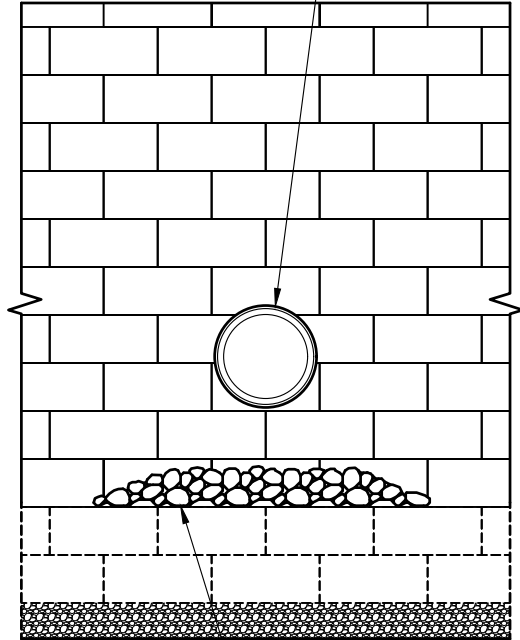


HAND CUT BLOCK UNITS  
TO WITHIN  $\frac{1}{2}$ " OF PIPE



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

FACE VIEW

CAP BLOCK

DIAMOND PRO®  
9D BLOCK

7°

15" (MIN) OF FREE-  
DRAINING AGGREGATE

GEOSYNTHETIC  
REINFORCEMENT

SCOUR  
PROTECTION

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

4" Ø DRAIN TILE (EL. VARIES)

6"  
21"

6" MINIMUM COMPACTED  
GRANULAR-BASE LEVELING PAD

SECTION VIEW



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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.

Diamond Pro® 9D Straight II Face Retaining Wall System

Typical Details for Small Utilities Through Wall

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

Drawn by:  
SB

Date:  
11/5/2018

Drawing number:  
DP9ST223