Mastersplan for Residential Retaining Walls of Hercules Standard and Mega Modules

ALTERNATE FOOTING DETAIL FOR 6" 0" HERC. STD. WALL

ALTERNATE CONCRETE FOOTING DETAIL FOR ANY HERCULES STD. WALL

HERCULES STANDARD MODULES

HERCULES MEGA and STANDARD MODULES

Compacted ground in front of wall

HERCULES MEGA MODULES

Compacted ground in front of wall

6" x 24" compacted gravel base. May be omitted if ground is firm and easily leveled.

Ground should be level for at least 6' 0" back from wall.

55 deg. maximum slope of soil

A runoff collection snake can be formed to prevent erosion at the face of the wall.

Max. slope 1-3

20°

20°

20°

HERCULES MEGA MODULES

Compact ground in front of wall

Concrete

6" x 24" compacted gravel base. May be omitted if ground is firm and easily leveled.

55° deg. maximum slope of soil

Compacted ground in front of wall

6" x 18" compacted gravel base. May be omitted if ground is firm and easily leveled.

FOUNDATION NOTES

Using the concrete footing detail with a 6" 0" Std. wall will avoid using a concrete footing for this wall.

Using the Mega Module for the footing with the 6" 0" Std. wall will avoid using a concrete footing for this wall.

DESIGN PARAMETERS

Retained soil density

Soil module unit density

Retained soil P10 angle

Foundation soil P10 angle

Foundation soil adhesion

Granular foundation P10 angle

Concrete

4' x 3000 psi

Designs shown are suitable for the following soil types:

Finely silty clay, typical of the former silty clay of loessial origin occurring in the St. Louis area

Gravel, sand, or gravelly or sandy clays

WALL DESIGNS ARE NOT SUITABLE FOR MOST BOTTOM LAND SOILS

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The Engineer's seal (above) on this drawing attests solely to the possibility of the detailed construction for the theoretical parameters used. Any person attempting to use these details in cautioned to hire the services of an engineer experienced in soil and foundation work. Building code authority inspectors should take particular care to ensure that conditions in the field do not vary from those indicated for the construction type shown.

ST LOUIS RETAINING WALL COMPANY

MASTER PLAN

E-19972

JOHN ERNEST PAYE