Anchor Block Retaining System

2 Beveled Washers

Galvanized Soil Anchor Assembly per engineer

DETAIL A

SECTION B-B

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Vertical Tie-Down System

Hot-Dip Galvanized Vertical Rods and steel plates at the bottom and steel angle at the top may be bolted together for specific needs where retaining walls require a vertical tie down.

Note: In these applications the blocks are modified by using a ZERO setback per block with 6 ¾” diameter knobs and adding 6” diameter holes to accommodate the vertical rods, in each block.

6" Diameter Hole Added

NOTE: Groove is moved 2" back or use 6¾” diameter knobs so blocks stack vertically.

Groove moved back 2” or use 6¾” diameter knobs

Coupler welded to steel plate

SECTION A-A

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In some specific situations, physical restrictions exist which do not permit Geogrid soil reinforcement. In these cases, a unique tie-back system can be designed using a drilled in place anchor which can then be attached to a specially designed anchor block. Examples include Helical and "Manta Ray" anchoring systems.
HEADWALLS AND Wingwalls for Precast Arch

DETAIL A

- Cut as required
- Cast in place or RR face plate (if required)
- Pour-in-place with molded shear key
- Must be flush with block course
- Face plates with casted in dowels anchor to poured-in-place concrete
- Face plate with casted in dowel (location and number of dowels will vary depending on how face plate is cut)

DETAIL B

- Cut face plates to fit bridge
- Attach Redi-Rock face plate if desired
- Cut notch in block as necessary or coordinate elevation
- 6" Cap
- Free standing block courses
- Cast in place arch foundation

DETAIL C

- Footing by arch contractor

SECTiON D-D

Use geogrid if required

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### Notes for Special Custom Retaining Wall Block

1. Specialized 5" R.R.I. Block faces can be poured with corrosion resistant steel rebar set in place so that it protrudes out the back of the faces. These faces may then be put in place and the concrete leveling pad / support beam can be formed and poured in place, allowing the faces to be secured to the poured concrete by the protruding rebar.

OR

2. Specialized 5" R.R.I. Block faces can be adhered to the face of the poured in place concrete leveling pad / support beam with concrete adhesive.

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