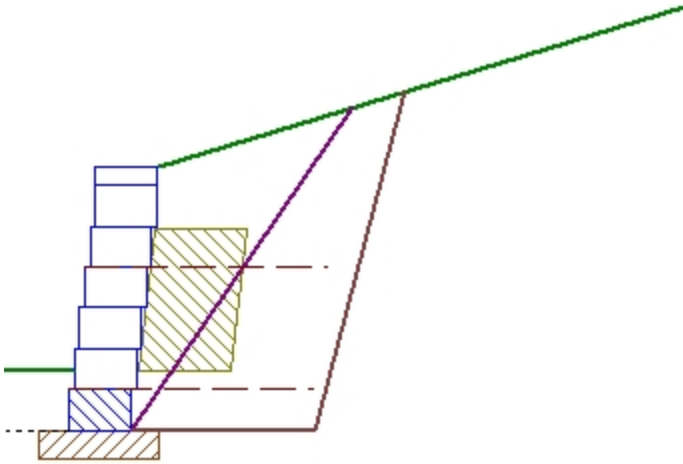


## Section 6 Details

### Section 6 Cross-section



### Section 6 Cross-section Details

<b>Upper Slope Angle</b>		17.00 °
<b>Crest Offset</b>		15.00 ft
<b>Live Load</b>	ql	0 lb/ft <sup>2</sup>
<b>Live Offset</b>	qlofs	0.00 ft
<b>Dead Load</b>	qd	0 lb/ft <sup>2</sup>
<b>Dead Offset</b>	qdofs	0.00 ft
<b>Top of Section</b>		504.83 ft
<b>Bottom Grade</b>		501.51 ft
<b>Base of Section</b>		500.53 ft
<b>Design Height</b>	H	4.30 ft
<b>Embedment Depth</b>	Hemb	0.98 ft

\* Analysis includes Vertical Forces

\* Embedment is included in Bearing Capacity

#### Empirical Checks

Check	Description	Min. Requirement	Result	Status
Hemb	Minimum Embedment %	10.0000	29.4000	Pass
L	Min. Reinforcement Length	4.0000	4.0000	Pass
L/H Ratio	Min. L/H Ratio	0.6000	1.0000	Pass
La	Min. Anchorage Length	1.0000	1.4905	Pass
MinHemb	Minimum Embedment	6.0000	11.7283	Pass
Rs	Max. Reinforcement Separation	0.0000	2.0000	Pass
RsBottom	Max. multiple of Hu at bottom	0.0000	1.0000	Pass
RsTop	Max. multiple of Hu at top	0.0000	2.4532	Pass

#### External Checks

##### Static

Check	Description	Min. Requirement	Result	Status
FSbc	Bearing Capacity	2.00	7.23	Pass
FSct	Crest Toppling	1.50	6.11	Pass
FSot	Overturning	2.00	5.76	Pass
FSsl	Base Sliding	1.50	2.21	Pass

#### Internal and Local Checks

##### Static

Layer	Elevation (ft)	FScs	FSpO	FSsl	FSto
1	501.19	7.76	13.08	5.21	12.49
2	503.19	11.76	6.98	11.45	20.79