



**NOTES:**

1. The temporary cut slope shall be stable during entire period of wall construction and certified by a geotechnical engineer.
2. The required bearing capacity in TSF at the toe is based on 0.7 DH and shall meet or exceed BP (load factored) as listed in the table.
3. All reinforcements including tails shall be woven geotextile with 4800 lb/ft minimum average roll value (MARV) in both directions or one layer of equivalent geogrid.
4. Pay limits of Structural Backfill (Class 1) shall be bound by top of DH (design height), excavation limits & face of wall.

DH (FT)	RL** (FT)	MRS (CY/LF)	MRS (SY/LF)	BM1 (CY/LF)	PLG (Ft/LF)	BP (TSF)
2.000	6.000	0.444	3.111	0.755	9.500	0.448
2.667	6.000	0.593	3.778	0.997	10.167	0.513
3.333	6.000	0.741	4.222	1.257	10.833	0.583
4.000	6.000	0.889	4.889	1.532	11.500	0.657
4.667	6.000	1.037	5.333	1.825	12.167	0.737
5.333	6.000	1.185	6.000	2.133	12.833	0.824
6.000	6.000	1.333	6.444	2.458	13.500	0.920
6.667	7.000	1.728	8.000	3.047	15.167	0.966
7.333	7.000	1.901	8.444	3.430	15.833	1.063
8.000	8.000	2.370	10.222	4.125	17.500	1.108
8.667	8.000	2.568	10.667	4.565	18.167	1.206
9.333	8.000	2.765	11.556	5.022	18.833	1.312
10.000	8.000	2.963	12.000	5.495	19.500	1.427
10.667	8.000	3.160	12.889	5.985	20.167	1.554
11.333	8.000	3.358	13.333	6.491	20.833	1.693
12.000	8.400	3.733	14.756	7.192	21.900	1.775
12.667	8.867	4.160	16.363	7.960	23.033	1.846
13.333	9.333	4.609	18.074	8.767	24.167	1.917
14.000	9.800	5.081	19.889	9.614	25.300	1.988
14.667	10.267	5.577	21.807	10.500	26.433	2.059
15.333	10.733	6.095	23.830	11.426	27.567	2.130
16.000	11.200	6.637	25.956	12.392	28.700	2.202
16.667	11.667	7.202	28.185	13.397	29.833	2.273
17.333	12.133	7.789	30.519	14.441	30.967	2.344
18.000	12.600	8.400	32.956	15.525	32.100	2.415
18.667	13.067	9.034	35.496	16.648	33.233	2.487
19.333	13.533	9.691	38.141	17.811	34.367	2.558
20.000	14.000	10.370	40.889	19.014	35.500	2.629
20.667	14.467	11.073	43.741	20.256	36.633	2.700
21.333	14.933	11.799	46.696	21.537	37.767	2.772
22.000	15.400	12.548	49.756	22.858	38.900	2.843
22.667	15.867	13.320	52.919	24.219	40.033	2.914
23.333	16.333	14.115	56.185	25.619	41.167	2.986
24.000	16.800	14.933	59.556	27.058	42.300	3.057
24.667	17.267	15.774	63.030	28.537	43.433	3.129
25.333	17.733	16.639	66.607	30.056	44.567	3.200
26.000	18.200	17.526	70.289	31.614	45.700	3.271
26.667	18.667	18.436	74.074	33.211	46.833	3.343
27.333	19.133	19.370	77.963	34.848	47.967	3.414
28.000	19.600	20.326	81.956	36.525	49.100	3.486
28.667	20.067	21.305	86.052	38.241	50.233	3.557
29.333	20.533	22.308	90.252	39.997	51.367	3.628
30.000	21.000	23.333	94.556	41.792	52.500	3.700
30.667	21.467	24.382	98.963	43.626	53.633	3.771
31.333	21.933	25.453	103.474	45.500	54.767	3.843
32.000	22.400	26.548	108.089	47.414	55.900	3.914
32.667	22.867	27.666	112.807	49.367	57.033	3.986
33.333	23.333	28.807	117.630	51.360	58.167	4.057
34.000	23.800	29.970	122.556	53.392	59.300	4.128
34.667	24.267	31.157	127.585	55.463	60.433	4.200
35.333	24.733	32.367	132.719	57.574	61.567	4.271
36.000	25.200	33.600	137.956	59.725	62.700	4.343
36.667	25.667	34.856	143.296	61.915	63.833	4.414
37.333	26.133	36.135	148.741	64.145	64.967	4.486
38.000	26.600	37.437	154.289	66.414	66.100	4.557
38.667	27.067	38.762	159.941	68.723	67.233	4.629
39.333	27.533	40.110	165.696	71.071	68.367	4.700
40.000	28.000	41.481	171.556	73.458	69.500	4.772

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\*\* RL for top two geotextile layers = 2 x RL

\*\*\* For example with reinforcement at each block: DH=16' requires 25.95 SY/LF woven geotextile corresponding to 6.637 CY/LF volume of MRS with Class 1 backfill paid separately

Revision Dates (Preliminary Stage Only)		Quantities	
09-16		INITIAL	DATE
		Checked By	Checked By
		INITIAL	DATE
		Checked By	Checked By
		INITIAL	DATE
		Checked By	Checked By
		INITIAL	DATE
		Checked By	Checked By

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Print Date: 9/6/2016	0000
File Name: Sheet_B-504-L1.dgn	
Horiz. Scale: 1:4      Vert. Scale: As Noted	
Staff Bridge Branch-Unit OXXX      Unit Leader Initials	

Sheet Revisions		
Date:	Comments	Init.

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**Staff Bridge Branch**      **Initials**

<b>As Constructed</b>
No Revisions:
Revised:
Void:

<b>RAIL ANCHOR SLAB WITH BLOCK FACING GRS WALL 1:1 SOIL EXCAVATION OR FILL</b>			
Designer: XXXXXXXX	Structure Numbers	Wall-X-XX-XX	Project No./Code Project Number Code Sheet Number
Detailed: XXXXXXXX		Wall-X-XX-XX	
Sheet Subset: Wall	Subset Sheets: WXX	of XXX	