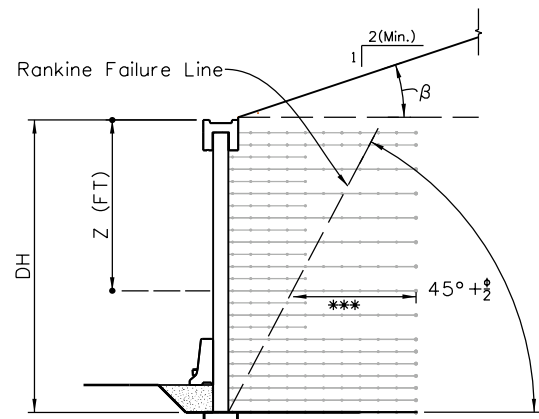


DH or Z (FT.)	* SPACING RL TYPE	σH (LB./FT.)	** $\Sigma \sigma H \times \text{spacing}$ (LB./FT.)	Tmax	Le (Ft.)
0.667	12" TD	666.668	444.445	666.668	1.425
1.333	16" TD	724.639	927.538	966.185	1.900
2.000	N/A TA	782.61	1.45E+03	NA	NA
2.667	16" F	840.581	2.01E+03	1.12E+03	1.900
3.333	N/A TA	898.552	2.61E+03	NA	NA
4.000	16" F	956.523	3.25E+03	1.28E+03	1.900
4.667	N/A TA	1.01E+03	3.92E+03	NA	NA
5.333	16" F	1.07E+03	4.64E+03	1.43E+03	1.900
6.000	N/A TA	1.13E+03	5.39E+03	NA	NA
6.667	16" F	1.19E+03	6.18E+03	1.59E+03	1.900
7.333	N/A TA	1.25E+03	7.02E+03	NA	NA
8.000	16" F	1.30E+03	7.88E+03	1.74E+03	1.900
8.667	N/A TA	1.36E+03	8.79E+03	NA	NA
9.333	16" F	1.42E+03	9.74E+03	1.89E+03	1.900
10.000	N/A TA	1.48E+03	1.07E+04	NA	NA
10.667	16" F	1.54E+03	1.18E+04	2.05E+03	1.900
11.333	N/A TA	1.59E+03	1.28E+04	NA	NA
12.000	12" F	1.65E+03	1.39E+04	1.65E+03	1.425
12.667	8" F	1.71E+03	1.51E+04	1.14E+03	0.950
13.333	8" F	1.77E+03	1.62E+04	1.18E+03	0.950
14.000	8" F	1.83E+03	1.75E+04	1.22E+03	0.950
14.667	8" F	1.88E+03	1.87E+04	1.26E+03	0.950
15.333	8" F	1.94E+03	2.00E+04	1.30E+03	0.950
16.000	8" F	2.00E+03	2.13E+04	1.33E+03	0.950
16.667	8" F	2.06E+03	2.27E+04	1.37E+03	0.950
17.333	8" F	2.12E+03	2.41E+04	1.41E+03	0.950
18.000	8" F	2.17E+03	2.56E+04	1.45E+03	0.950
18.667	8" F	2.23E+03	2.71E+04	1.49E+03	0.950
19.333	8" F	2.29E+03	2.86E+04	1.53E+03	0.950
20.000	8" F	2.35E+03	3.01E+04	1.57E+03	0.950
20.667	8" F	2.41E+03	3.18E+04	1.60E+03	0.950
21.333	8" F	2.46E+03	3.34E+04	1.64E+03	0.950
22.000	8" F	2.52E+03	3.51E+04	1.68E+03	0.950
22.667	8" F	2.58E+03	3.68E+04	1.72E+03	0.950
23.333	8" F	2.64E+03	3.86E+04	1.76E+03	0.950
24.000	8" F	2.70E+03	4.04E+04	1.80E+03	0.950
24.667	8" F	2.75E+03	4.22E+04	1.84E+03	0.950
25.333	8" F	2.81E+03	4.41E+04	1.87E+03	0.950
26.000	8" F	2.87E+03	4.60E+04	1.91E+03	0.950
26.667	8" F	2.93E+03	4.79E+04	1.95E+03	0.950
27.333	8" F	2.99E+03	4.99E+04	1.99E+03	0.950
28.000	8" F	3.04E+03	5.19E+04	2.03E+03	0.950
28.667	8" F	3.10E+03	5.40E+04	2.07E+03	0.950
29.333	8" F	3.16E+03	5.61E+04	2.11E+03	0.950
30.000	8" F	3.22E+03	5.83E+04	2.15E+03	0.950
30.667	8" F	3.28E+03	6.04E+04	2.18E+03	0.950
31.333	8" F	3.33E+03	6.27E+04	2.22E+03	0.950
32.000	8" F	3.39E+03	6.49E+04	2.26E+03	0.950
32.667	8" F	3.45E+03	6.72E+04	2.30E+03	0.950
33.333	8" F	3.51E+03	6.96E+04	2.34E+03	0.950
34.000	8" F	3.57E+03	7.19E+04	2.38E+03	0.950
34.667	8" F	3.62E+03	7.44E+04	2.42E+03	0.950
35.333	8" F	3.68E+03	7.68E+04	2.45E+03	0.950
36.000	8" F	3.74E+03	7.93E+04	2.49E+03	0.950
36.667	8" F	3.80E+03	8.18E+04	2.53E+03	0.950
37.333	8" F	3.86E+03	8.44E+04	2.57E+03	0.950
38.000	8" F	3.91E+03	8.70E+04	2.61E+03	0.950
38.667	8" F	3.97E+03	8.97E+04	2.65E+03	0.950
39.333	8" F	4.03E+03	9.24E+04	2.69E+03	0.950
40.000	4" F	4.09E+03	9.51E+04	1.36E+03	0.475

*** Le(Z) provided (Typ.)
 $=DH - [(DH-Z)/\tan(45^\circ - \phi/2)]$



APPLICATION DIAGRAM (DH=16' AS SHOWN)

Note to Designer:
 Refer to Bridge Design Manual (BDM) for Design Criteria and Examples

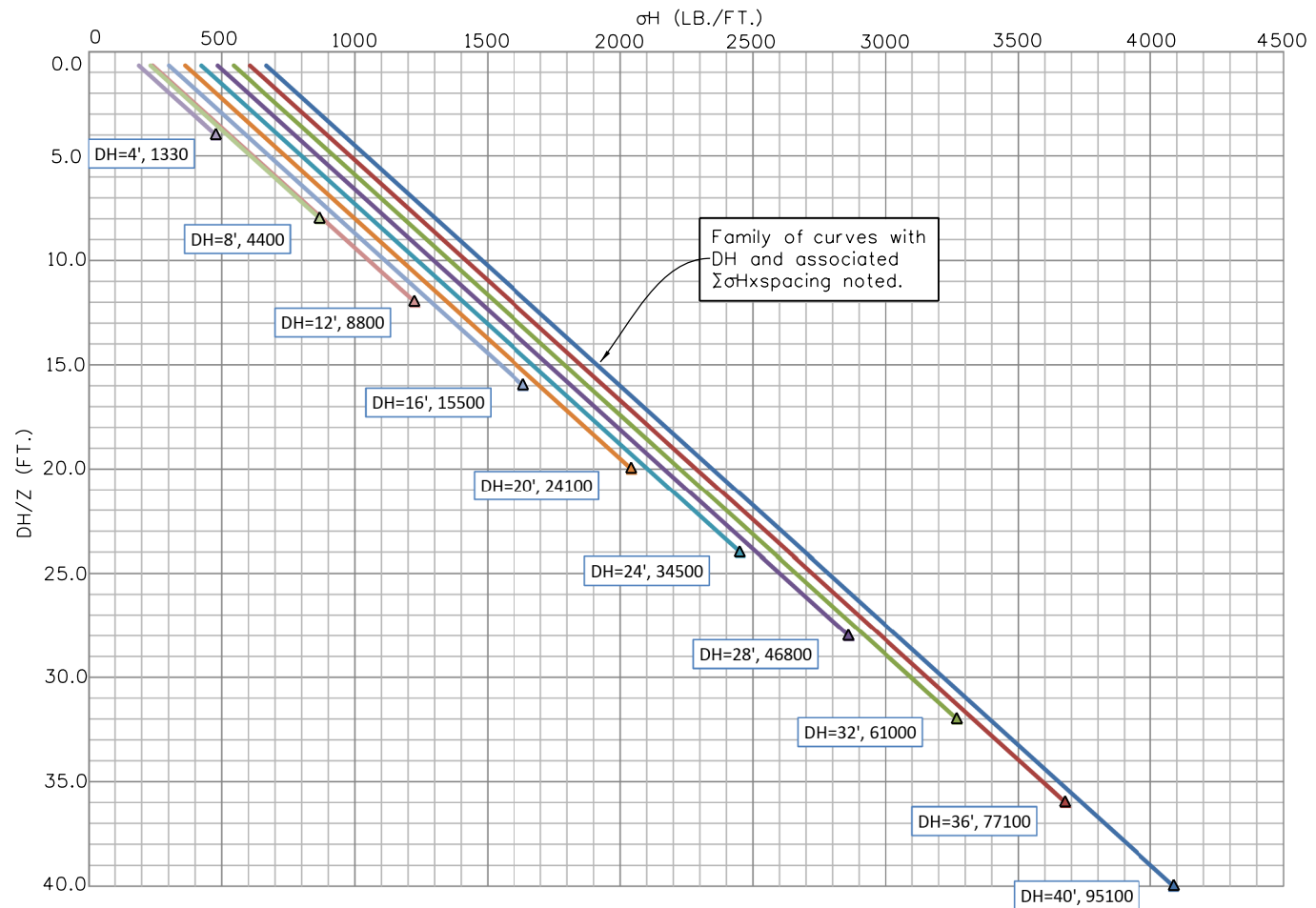


Table is for DH=40'; conservatively applied to walls with DH≤40'.

* Example spacing and RL Type. Full(F);Tail(TA);Top(TD)

** Summation of σH above Z for DH=40' only

Revision Dates	03/16
Quantities (Preliminary Stage Only)	

Design	INITIAL	DATE	Checked By
Designed By			
Checked By			
Detail	INITIAL	DATE	Checked By
Detailed By			
Checked By			
Quantities	INITIAL	DATE	Checked By
Quantities By			
Checked By			

Print Date: 9/6/2016
File Name: Sheet_B-504-03.dgn
Horiz. Scale: As Noted Vert. Scale: As Noted
Staff Bridge Branch-Unit OXXX Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation
 4201 East Arkansas Avenue
 Room 107
 Denver, CO 80222
 Phone: 303-757-9309 FAX: 303-757-9197

Staff Bridge Branch **Initials**

As Constructed
No Revisions:
Revised:
Void:

LRFD GRS WALL WITH 2H(MIN.):1V BACK SLOPE DESIGN CHARTS/TABLE			
Designer:	XXXXXXX	Structure	Wall-X-XX-XX
Detailer:	XXXXXXX	Numbers	Wall-X-XX-XX
Sheet Subset:	Wall	Subset Sheets:	WXX of XXX

Project No./Code
Project Number
Code
Sheet Number