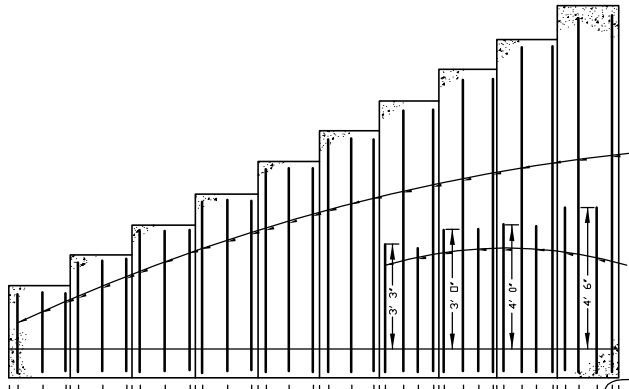
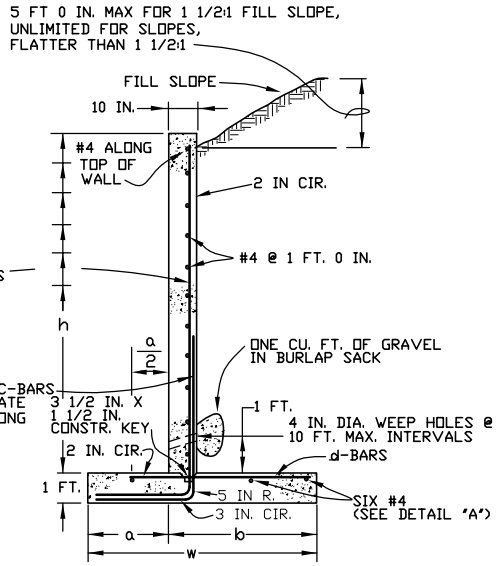


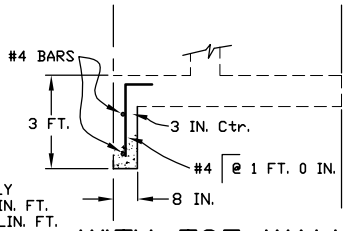
	e+e	e+e	e+e	e+e	e	e	e	e	e	e
e=	1' 6"	1' 6"	1' 6"	1' 6"	1' 0"	8 1/2"	1' 0"	9 1/2"	0' 7"	5 1/2" ctrs
h=	2' 0"	3' 0"	4' 0"	5' 0"	6' 0"	7' 0"	8' 0"	9' 0"	10' 0"	11' 0"
a=	1' 0"	1' 2"	1' 4"	1' 6"	1' 8"	1' 10"	2' 0"	2' 2"	2' 4"	2' 6"
b=	1' 8"	2' 0"	2' 4"	2' 8"	3' 0"	3' 4"	3' 8"	4' 0"	4' 4"	4' 8"
w=	2' 8"	3' 2"	3' 8"	4' 2"	4' 8"	5' 2"	5' 8"	6' 2"	6' 8"	7' 2"
c&b bar#	#4 @ 1' 6"				4 @ 1'	4@8 1/2"	6 @ 1'	6@9 1/2"	6 @ 7"	6@5 1/2" ctrs
*CONC. CUYD/l.f.	0.161	0.210	0.259	0.308	0.358	0.407	0.457	0.506	0.556	0.604
*reinf. lb/l.f.	8.0	9.3	10.7	12.1	16.2	21.7	29.0	37.0	51.0	67.3

* DOES NOT INCLUDE TOE WALL QUANITIES

DESIGN TABLE

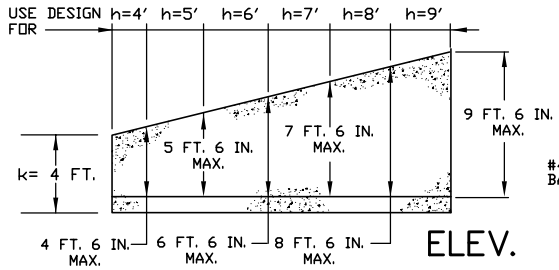


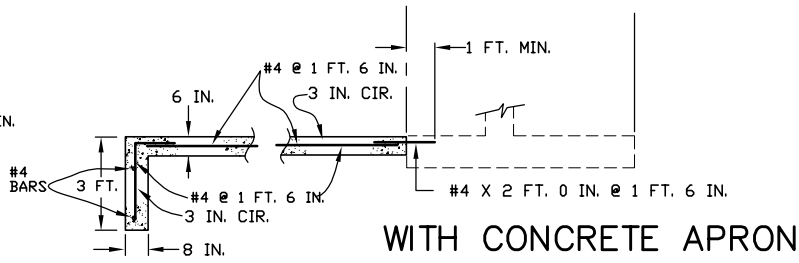
TYPICAL SECTION



QUANITIES FOR TOE WALL ONLY
CONRETE 0.049 Cu. YD. PER. LIN. FT.
REINFORCEMENT 3.4 LIB. PER LIN. FT.

WITH TOE WALL

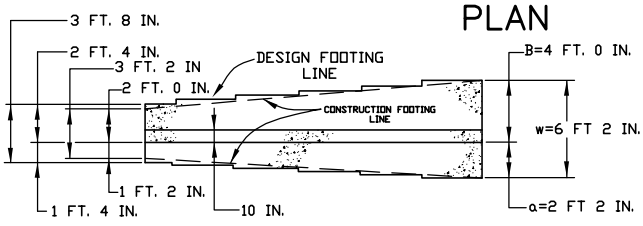




WITH CONCRETE APRON

Re-bar .89 lb/sq./ft.

APRON TOE WALL



PLAN

DESIGN EXAMPLE

GENERAL NOTES:

1. REVISED CDOH-M-601-20

WINGWALLS

City of Fort Collins

CITY OF FORT COLLINS UTILITIES
FORT COLLINS, CO.
(970) 221-6700

STORMWATER CONSTRUCTION DETAILS

APPROVED:

DATE: 2-7-2001

DRAWN BY: NJB

DETAIL D-19B