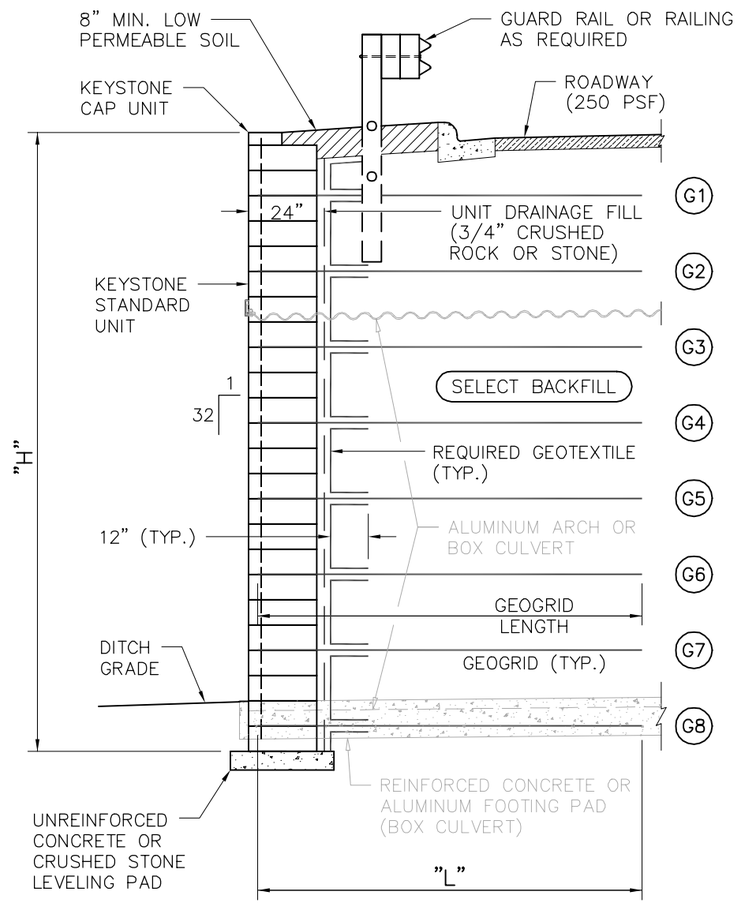
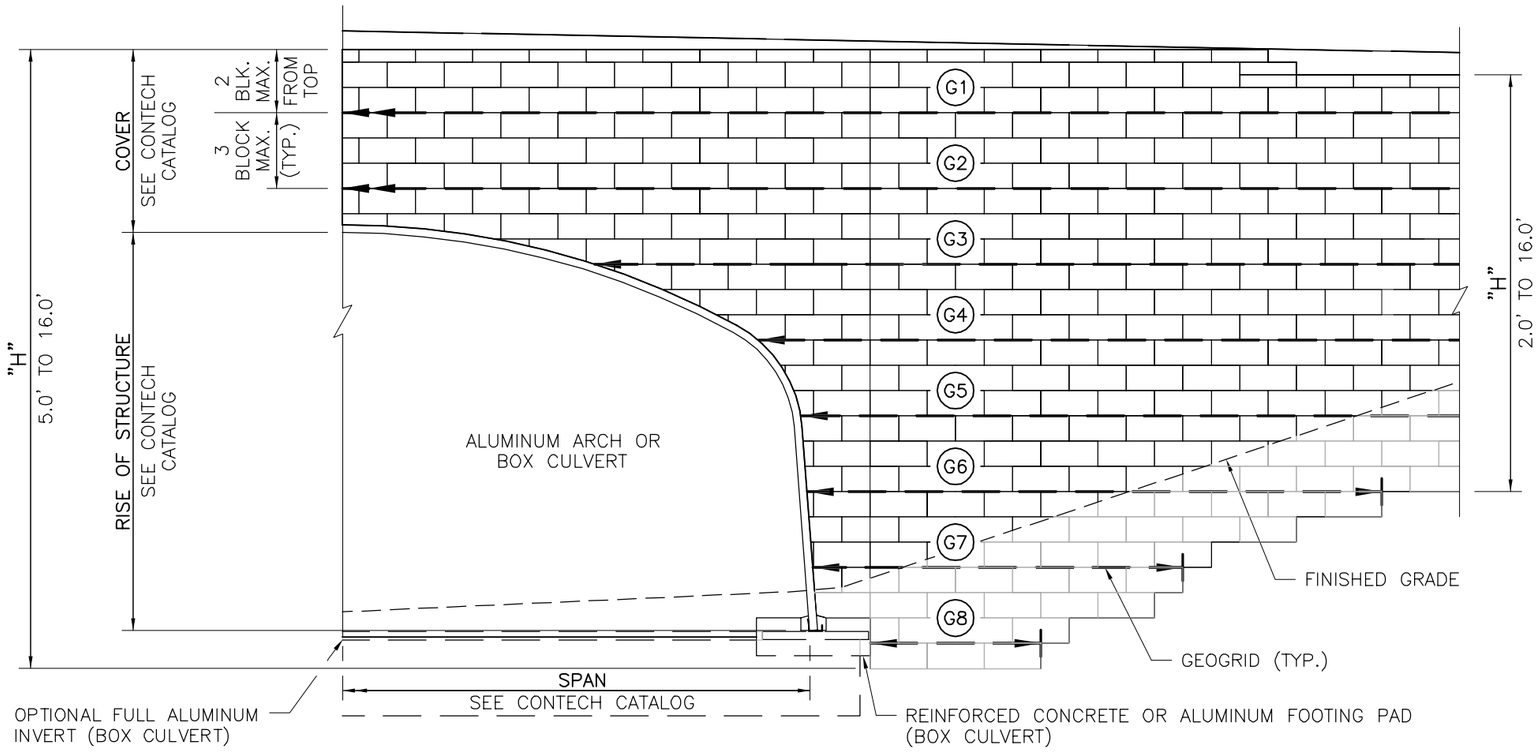


REINFORCED WALL SECTION AT CULVERT

NO SCALE



REINFORCED WALL GRID SECTION

NO SCALE

GEOGRID TABLE			
GEOGRID TYPE	REINFORCING PARAMETERS (LBS/FT.)		
	TULT	LTDS	TAL *
TENSAR UX1400SB	3701	1214	680
TENSAR UX1500SB	6302	1991	1115

* BASED ON FSd = 1.10, FSid = 1.25, FS = 1.50

EXTERNAL STABILITY		
WALL HEIGHT "H" (FT.)	GRID LENGTH "L" * (FT.)	APPLIED BEARING PRESSURE (PSF)
2	N/A	300
4	8	700
6	8	1000
8	8	1300
10	8	1800
12	9	2300
14	10	2600
16	11	3000

* 8' AASHTO MINIMUM

INTERNAL STABILITY									
	GRID	WALL HEIGHT (FT.)							
		16	14	12	10	8	6	4	2
GEOGRID STRENGTH	G1	UX1400	UX1400	UX1400	UX1400	UX1400	UX1400	UX1400	N/A
	G2	UX1400	UX1400	UX1400	UX1400	UX1400	UX1400	UX1400	
	G3	UX1400	UX1400	UX1400	UX1400	UX1400	UX1400		
	G4	UX1400	UX1400	UX1400	UX1400	UX1400			
	G5	UX1500	UX1500	UX1500	UX1500				
	G6	UX1500	UX1500	UX1500					
	G7	UX1500	UX1500						
	G8	UX1500							

DESIGN IS FOR INTERNAL STABILITY OF THE KEYSTONE WALL STRUCTURE ONLY. EXTERNAL STABILITY, INCLUDING BUT NOT LIMITED TO FOUNDATION AND SLOPE STABILITY, IS THE RESPONSIBILITY OF THE OWNER. THE DESIGN IS BASED ON THE ASSUMPTION THAT THE MATERIAL WITHIN THE RETAINED MASS, METHODS OF CONSTRUCTION, AND QUALITY OF MATERIALS CONFORM TO KEYSTONE'S SPECIFICATIONS FOR THIS PROJECT.

THIS DRAWING IS BEING FURNISHED FOR THIS SPECIFIC PROJECT ONLY. ANY PARTY ACCEPTING THIS DOCUMENT DOES SO IN CONFIDENCE AND AGREES THAT IT SHALL NOT BE DUPLICATED IN WHOLE OR IN PART, NOR DISCLOSED TO OTHERS WITHOUT THE CONSENT OF KEYSTONE RETAINING WALL SYSTEMS, INC.

No.	Date	Revision	By

KEYSTONE
RETAINING WALL SYSTEMS
4444 West 78th Street
Minneapolis, MN 55435
(612) 897-1040

Designed By: RKM	Client: CONTECH CONSTRUCTION PRODUCTS INC.		Title: KEYSTONE GEOGRID DESIGN
Checked By: CDM			
Date: 08/08/00	Scale: AS NOTED	Project No:	Drawing No: 3

Rick Magnuson, Keystone Retaining Wall Systems 8/25/00 9:26 AM Key-Con3.dwg