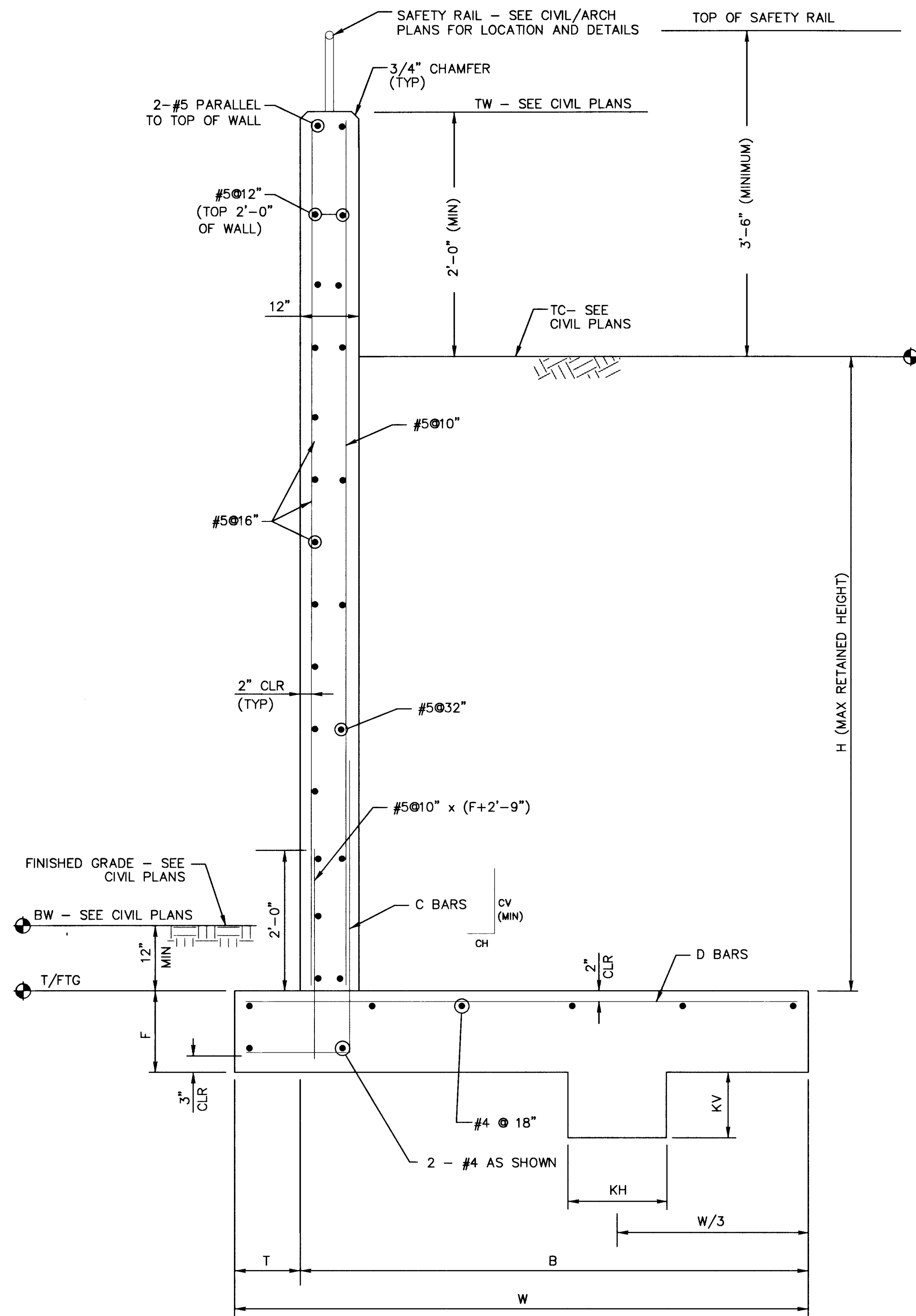


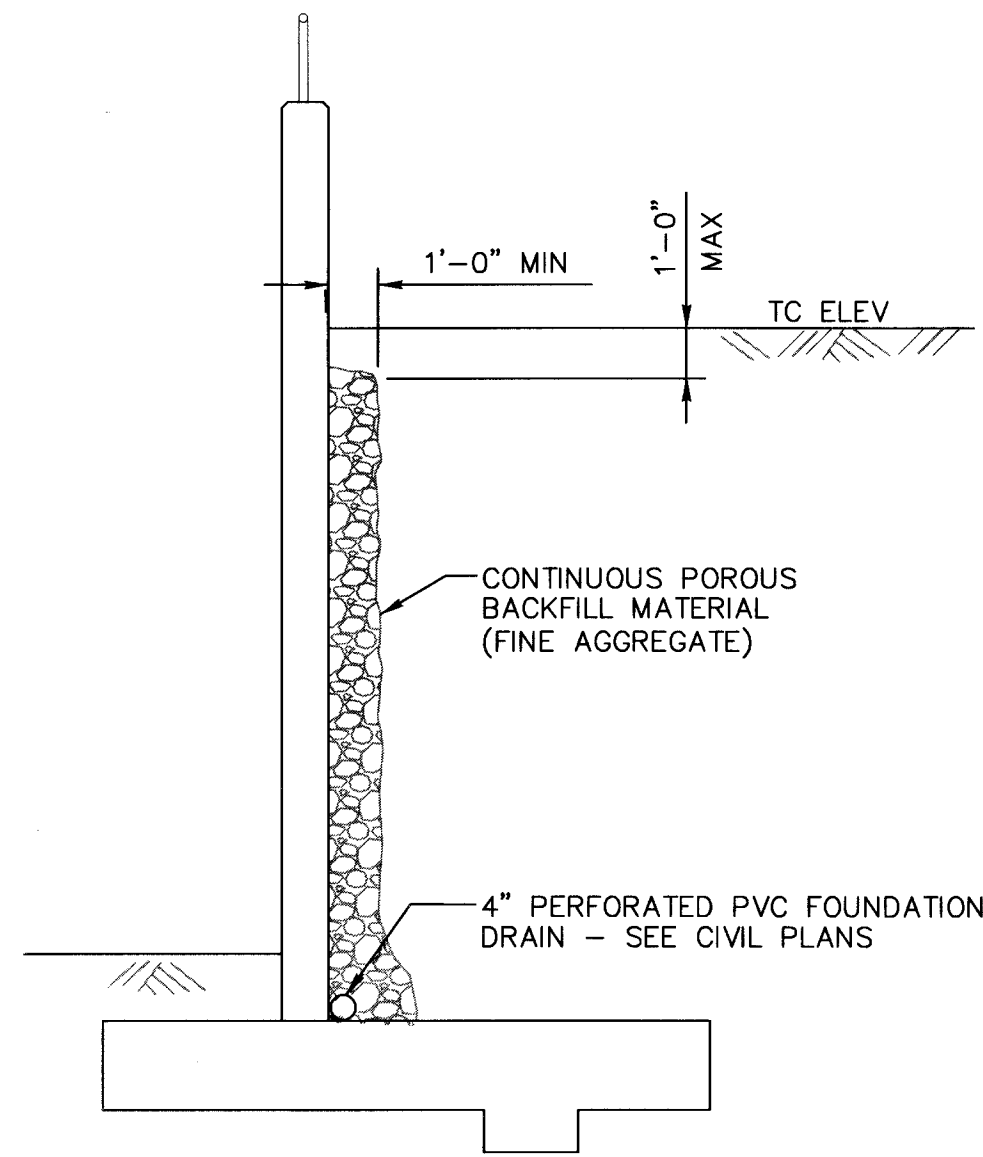
Date: January 28, 2008 - 3:38pm / User: karthikramanathan
Path: K:\Veg\Structural\Las Vegas\092521002-Spanish Villas (CAD)\521002-19-DTL5.DWG / Xref: x521002bzw
This document, together with the drawings and designs prepared herein, is intended only for the specific purpose and client for which it was prepared. Review of any improper release on this document without written authorization and adoption by Kinley-Horn and Associates, Inc. shall be without liability to Kinley-Horn and Associates, Inc.



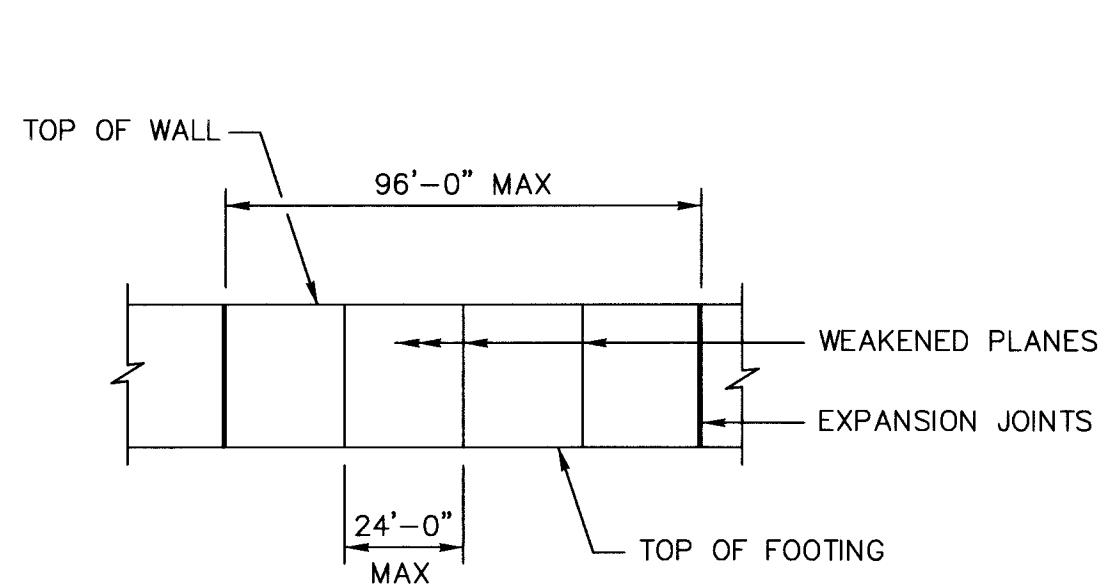
1 RETAINING WALL
DT-5 NOT TO SCALE

RETAINING WALL SCHEDULE

H	W	B	T	F	KH	KV	C BARS	CH	CV	D BARS
4'-9"	7'-0"	5'-9"	1'-3"	1'-0"	1'-0"	6"	#5@10"	1'-9"	4'-9"	#5@10"
7'-6"	7'-0"	5'-9"	1'-3"	1'-0"	1'-6"	1'-0"	#5@10"	1'-9"	4'-9"	#5@10"
8'-9"	8'-0"	6'-9"	1'-3"	1'-4"	1'-6"	1'-2"	#6@10"	1'-9"	4'-9"	#5@10"
10'-3"	9'-0"	7'-9"	1'-3"	1'-4"	2'-0"	1'-6"	#7@10"	1'-9"	4'-9"	#6@10"

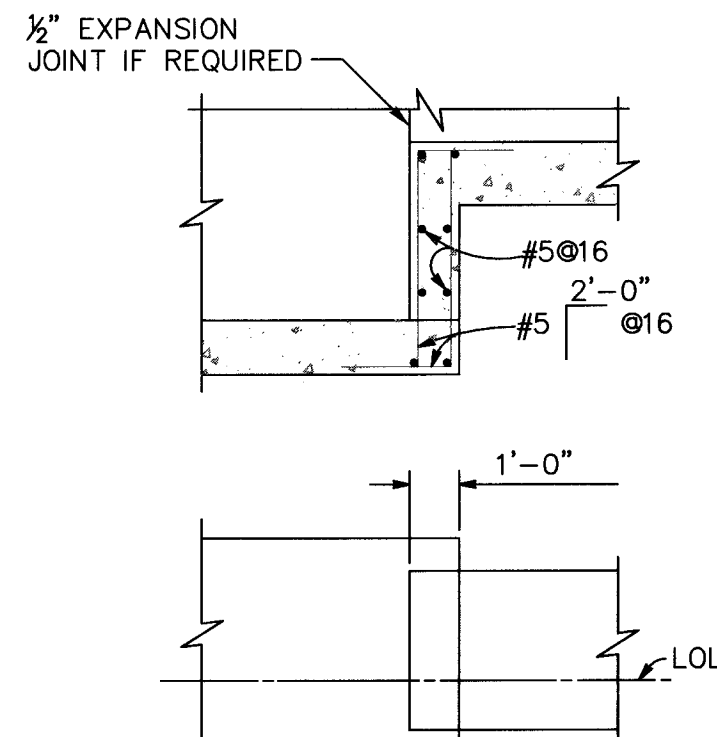


WALL DRAINAGE DETAILS



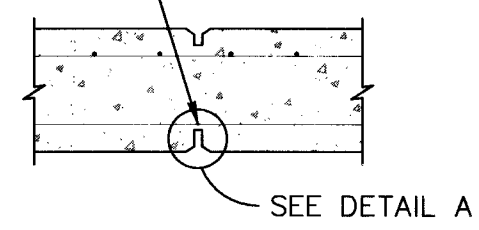
WALL EXPANSION JOINTS AND WEAKENED PLANES

WALL SHALL HAVE EXPANSION JOINTS NOT MORE THAN 96 FT APART. EXPANSION JOINT LOCATION SHALL NOT BE AT WALL ANGLE POINTS. WALL STEM SHALL HAVE CONSTRUCTION JOINTS NOT MORE THAN 24 FT APART. FOOTINGS MAY BE CONTINUOUS WITH NO JOINT.



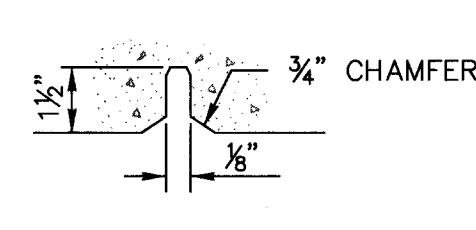
FOOTING STEP

CUT OR BUTT EVERY OTHER FRONT FACE HORIZONTAL BAR AT WEAKENED PLANES



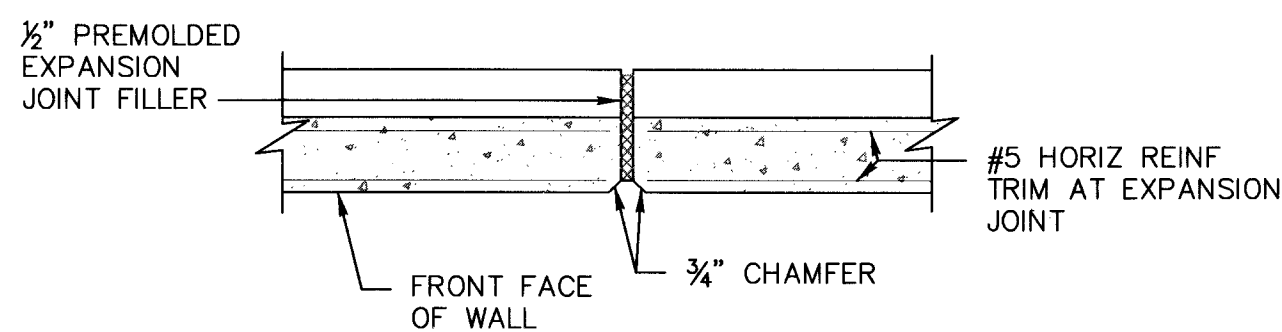
SECTION

JOINT MAY BE FORMED WITH 1/2" HARDBOARD AND CUT BACK TO THE ROOT OF THE CHAMFER ON THE EXPOSED FACE.



DETAIL A

WEAKENED PLANES



EXPANSION JOINTS

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

SAFETY ALERT
Call Before You Overhead
1-702-455-7511
1-702-229-6611

Call before you UnderGround
1-702-455-7511
1-702-229-6611
CLARK COUNTY TRAFFIC OPERATIONS AND LAS VEGAS AREA
TRAFFIC SYSTEM

Professional Engineer - State of Nevada
KARTHIK RAMANATHAN
Exp. 12/31/08
CIVIL
No. 18701
107V5008
SHEET DT-5
19 OF 19 SHEETS
CLV No. 1

SPANISH VILLAS @ SAHARA LLC
11570 WILSHIRE BOULEVARD
LOS ANGELES, CA 90025
TELE: (310) 477-6911 FAX: (310) 477-2151

Kinley-Horn and Associates, Inc.
2080 East Flamingo Road
Suite 210
Las Vegas, NV 89119
Tel No (702) 734-5666
Fax No (702) 735-4949
Engineering, Planning, and Environmental Consultants

SPANISH VILLAS
PHASE-1 SITE IMPROVEMENTS

RETAINING WALL DESIGN & DETAILS

DRAWN BY: KR 01-29-2008
DESIGNED BY: KR 01-29-2008
CHECKED BY: KJK 01-29-2008
PROJECT NO: 092521002
SCALE: N.T.S.