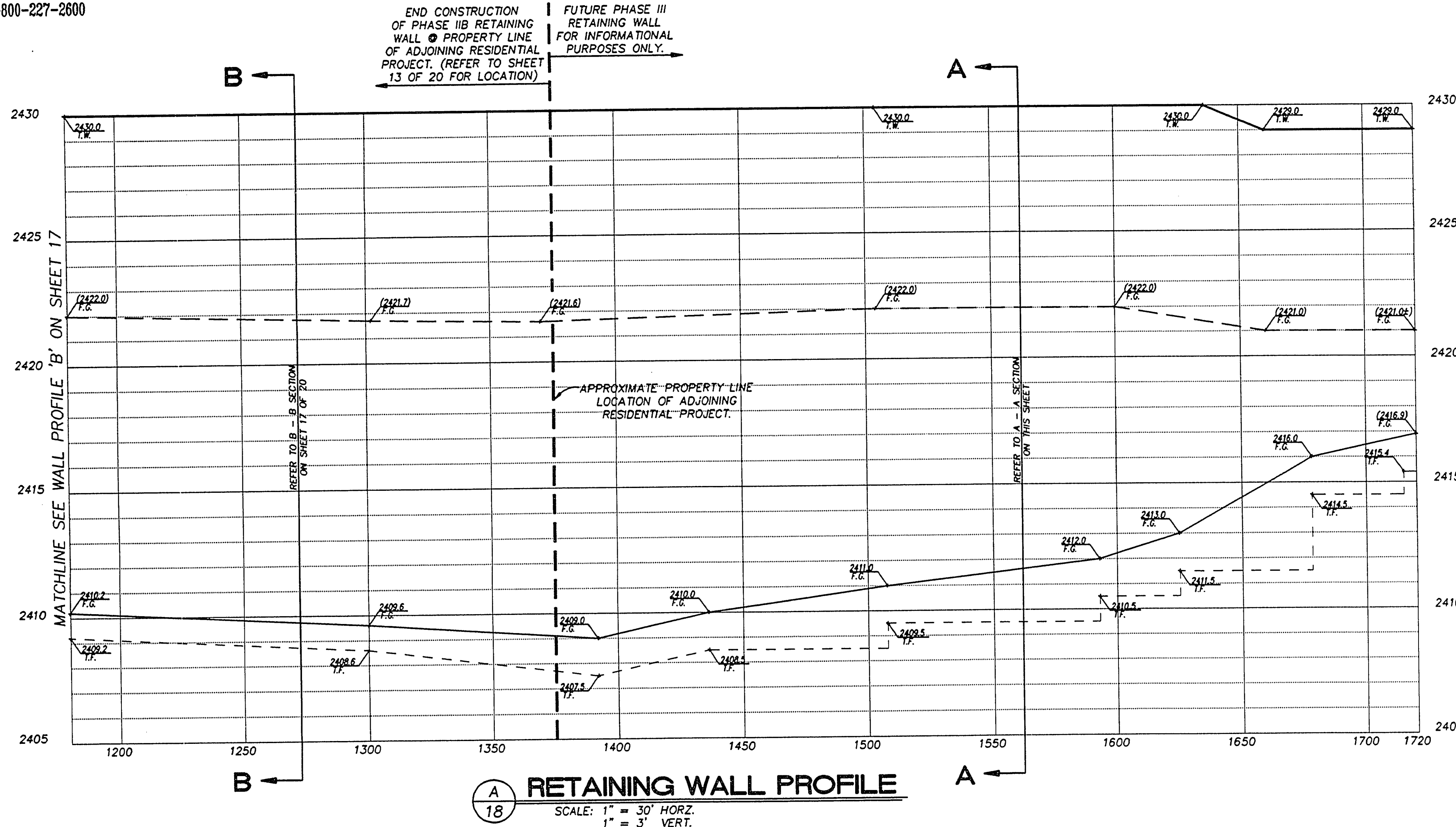
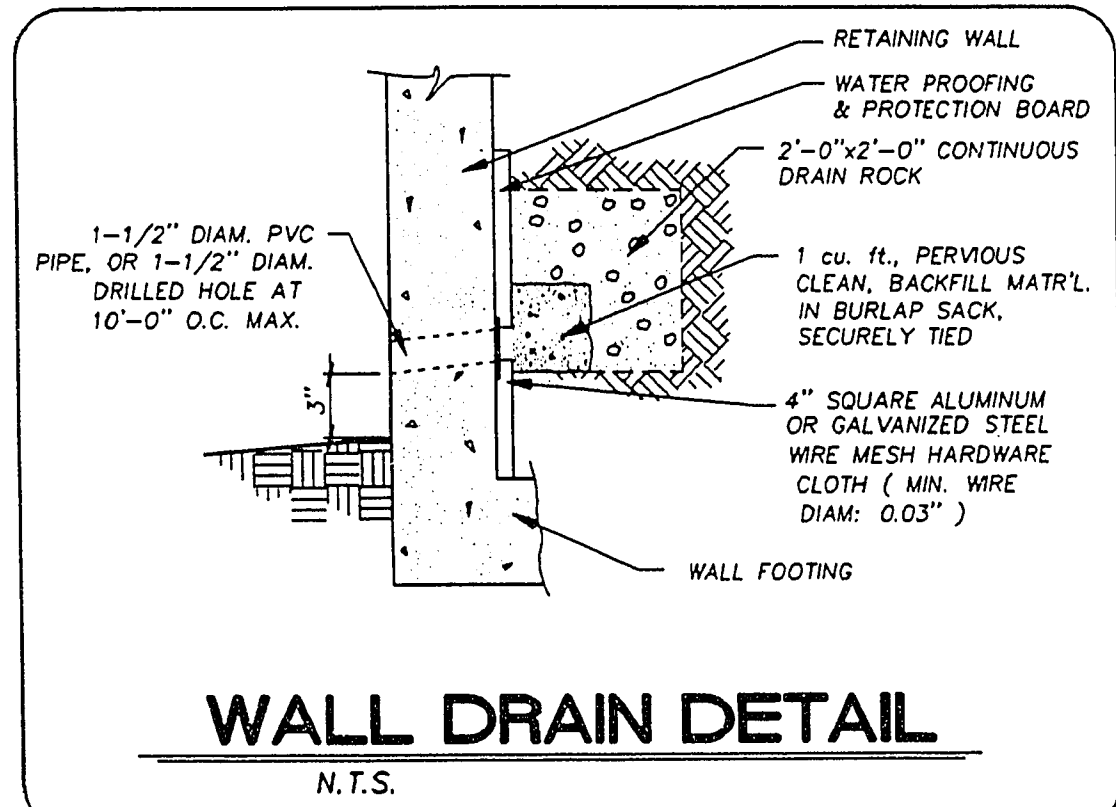
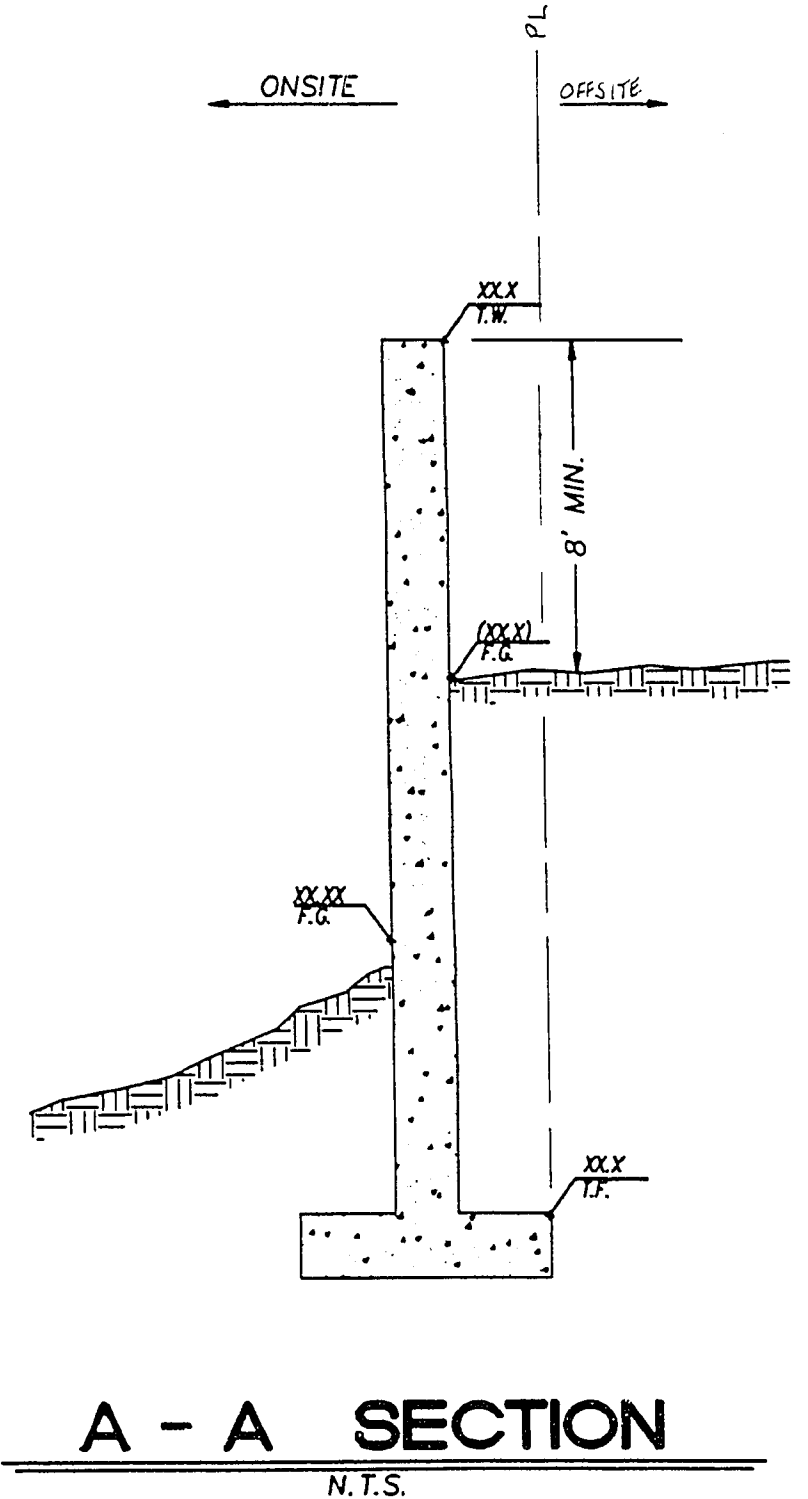


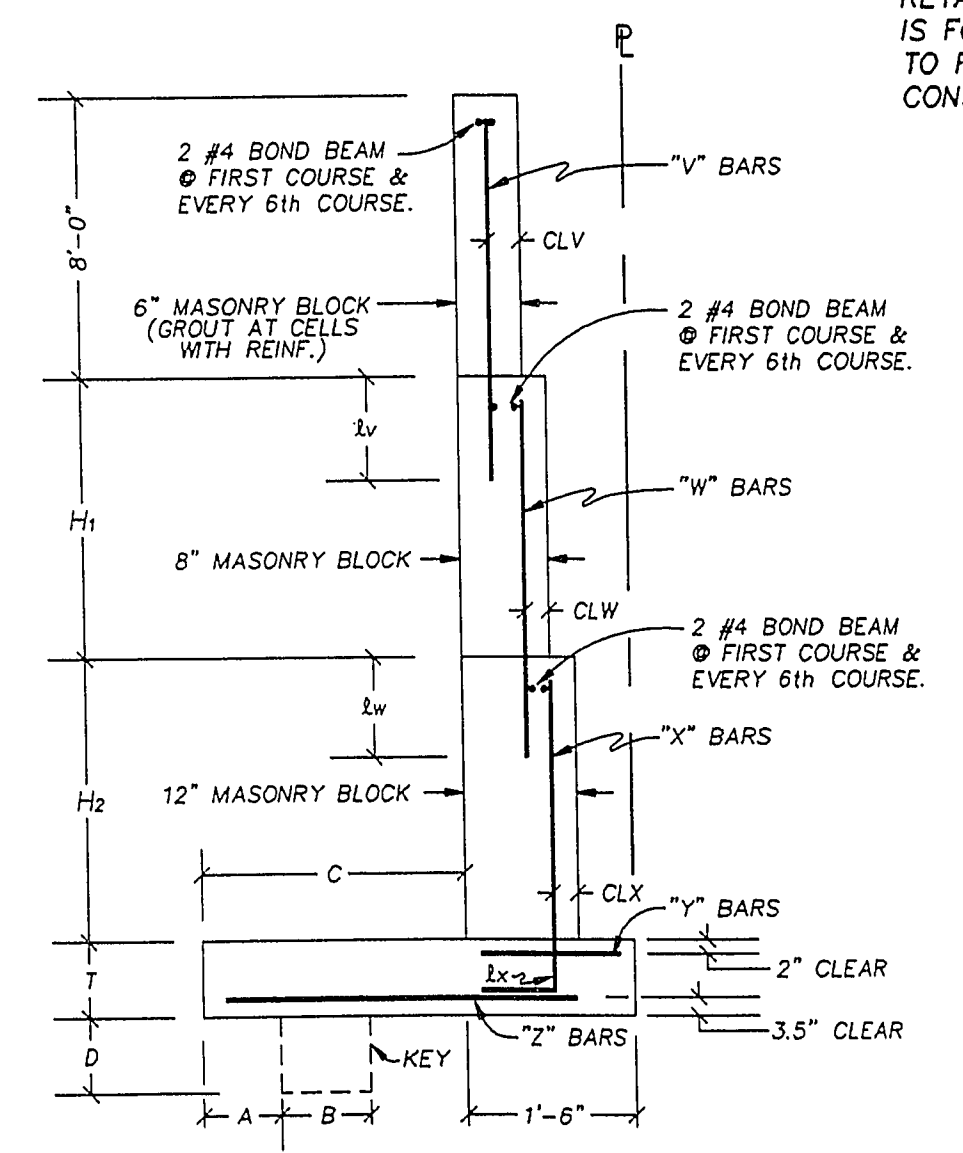
Call before you Dig
1-800-227-2600



NOTE: RETAINING WALL PROFILE IS FOR GENERAL INFORMATION ONLY.



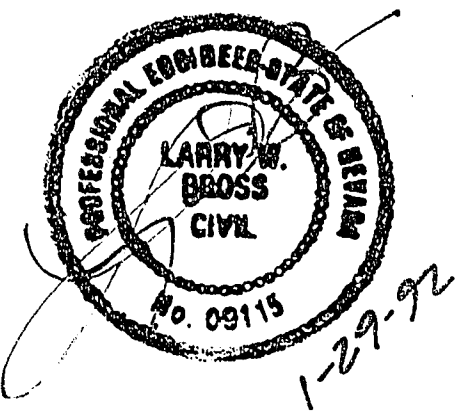
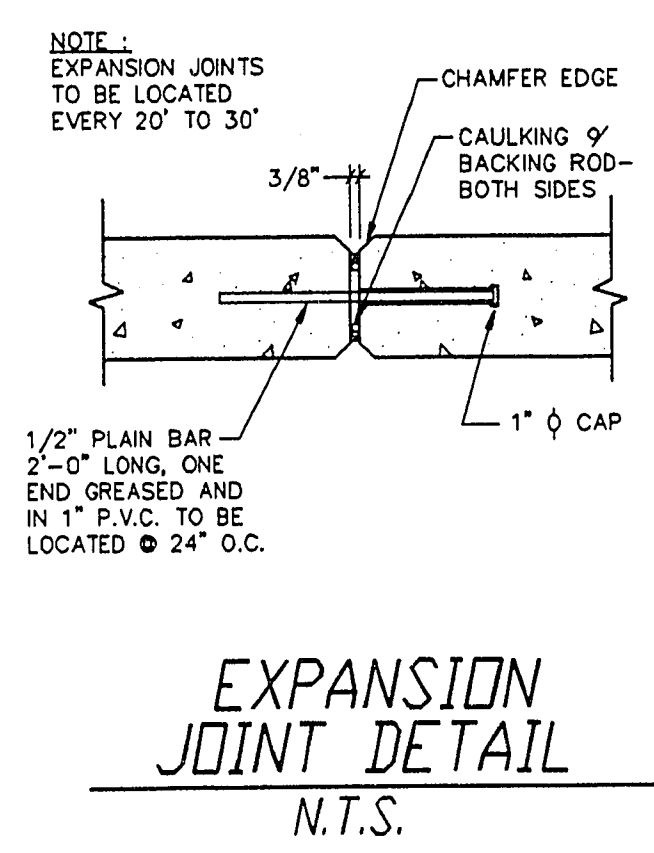
SOIL CRITERIA
OBTAINED FROM WESTERN TECHNOLOGIES INC. GEOTECH.
INVESTIGATION DATED 9-5-91 JOB No. 4121K248
ALLOWABLE BEARING PRESSURE = 2500 PSF
INCREASE BY 1/3 FOR INTERMITTANT LOADING CONDITIONS
ALLOWABLE PASSIVE PRESSURE = 250 PSF
ACTIVE PRESSURE (EQUIVALENT FLUID) = 30 PCF
ALLOWABLE FRICTION (μ) = 0.40
SOIL DENSITY = 110 PCF
WIND LOAD ON MASONRY SCREEN WALL = 10 PSF
L.L. SURCHARGE FOR WALL = 200 PLF DURING CONSTRUCTION
PROVIDE SPECIAL INSPECTION AS NOTED
 f'_c = 2500 PSI f_y = 60,000 PSI
 f'_m = 1500 PSI F_s = 24,000 PSI



NOTE: RETAINING WALL STRUCTURAL INFORMATION IS FOR GENERAL INFORMATION ONLY. CONTRACTOR TO REFER TO APPROVED BUILDING PLANS WHEN CONSTRUCTING RETAINING WALLS.

TABLE 1													
RETAINED SOIL WALL HEIGHT	H1 (MAX)	H2	A	B	C	D	T	1" BARS	2" BARS	3" BARS	4" BARS	CLV	CLW
≤ 2'	2'-0" (1) (2)	0	0	0	2'-0"	0	1'-0"	#5 @ 24"	#6 @ 24"	-	#5 @ 18"	#5 @ 18"	2.75"
2' ≤ 4'	4'-0" (1) (2)	0	0	0	2'-0"	0	1'-0"	#5 @ 24"	#6 @ 24"	-	#5 @ 18"	#5 @ 18"	2.75"
4' ≤ 6'	4'-6" (1) (2)	1'-6"	1'-0"	2'-6"	1'-0"	1'-0"	#5 @ 24"	#5 @ 24"	#4 @ 24"	#5 @ 18"	#5 @ 18"	2.75"	3.0"
6' ≤ 8'	5'-4" (1) (2)	2'-8"	1'-0"	3'-6"	1'-6"	1'-6"	#5 @ 24"	#5 @ 16"	#5 @ 16"	#5 @ 12"	#5 @ 12"	2.75"	3.0"
8' ≤ 10'	5'-4" (1) (2)	4'-8"	1'-6"	5'-0"	2'-0"	1'-6"	#5 @ 24"	#5 @ 16"	#5 @ 12"	#5 @ 12"	#5 @ 12"	2.75"	3.0"
10' ≤ 12'	5'-0" (1) (2)	7'-0"	1'-6"	5'-6"	2'-0"	2'-0"	#5 @ 24"	#6 @ 24"	#1 @ 16"	#7 @ 16"	#7 @ 16"	2.75"	3.0"

- NOTES:
- 1.) PROVIDE SPECIAL INSPECTION FOR ITEM SPECIFIED.
 - 2.) PROVIDE FULL GROUTING OF ALL CELLS.
 - 3.) PROVIDE PARTIAL GROUTING AT REINFORCING LOCATIONS ONLY.
 - 4.) PROVIDE 2-#4 BARS HORIZONTAL AS BOND BEAM AT 4'-0"cc MINIMUM (DUR-D-WALL LADUR #9 RODS AS EQUAL).



Job Number	7147.336	Drawn by	WMP	Scale	AS SHOWN
Sheet Number	18 OF 20	Checked by	WMP	File No.	336.IMP
Date	01-29-92	Date	01-29-92	Date	01-29-92
Revisions	No.	Date	Init.	Appr.	Date
1	Δ	4/20/92	WMP	WMP	4/20/92
REVISIONS					
REVISED RETAINING WALL SECTION					
Church Engineering of Nevada, Inc.					
6600 W. Charleston Blvd.					
Suite 140 Las Vegas, NV 89102					
(702) 878-0244					
RAINBOW PLAZA II					
A COMMERCIAL PROPERTY					
CITY OF LAS VEGAS CLARK COUNTY NEVADA					