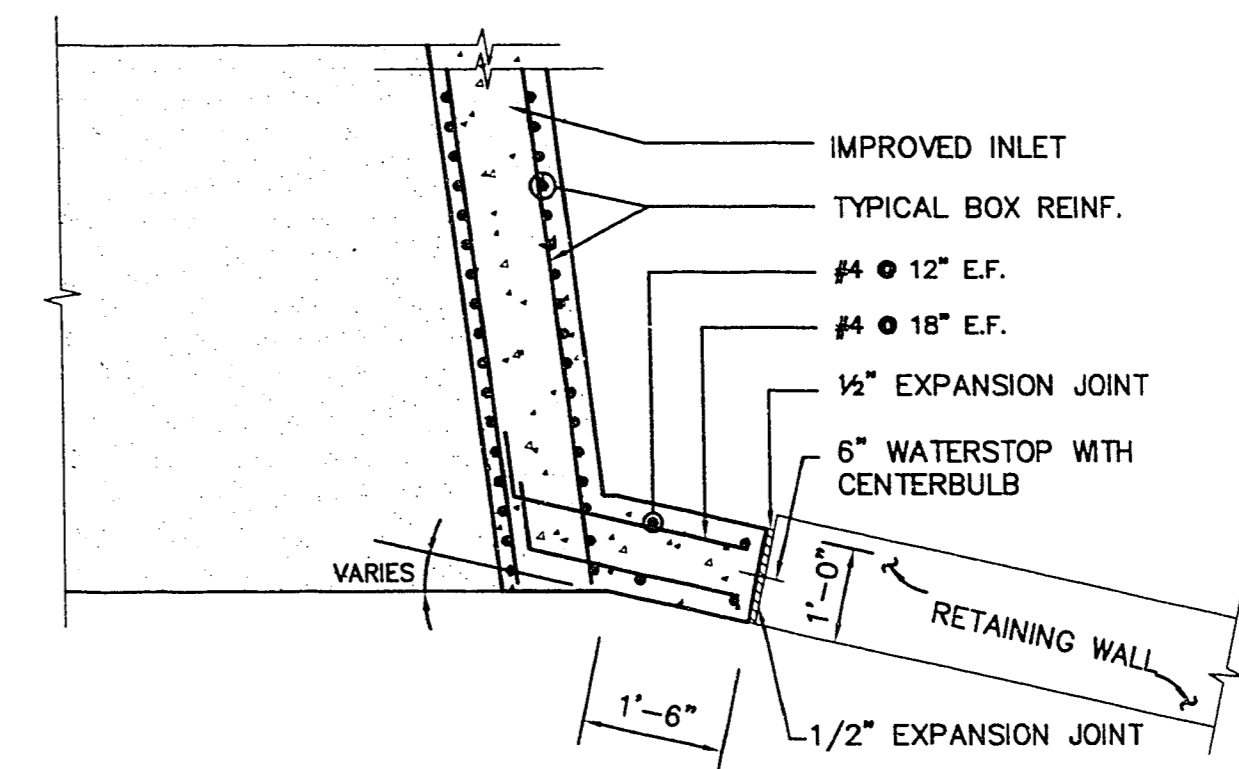


**4 FT MAX. ROADSIDE RETAINING WALL DETAIL**

NOT TO SCALE

5

47

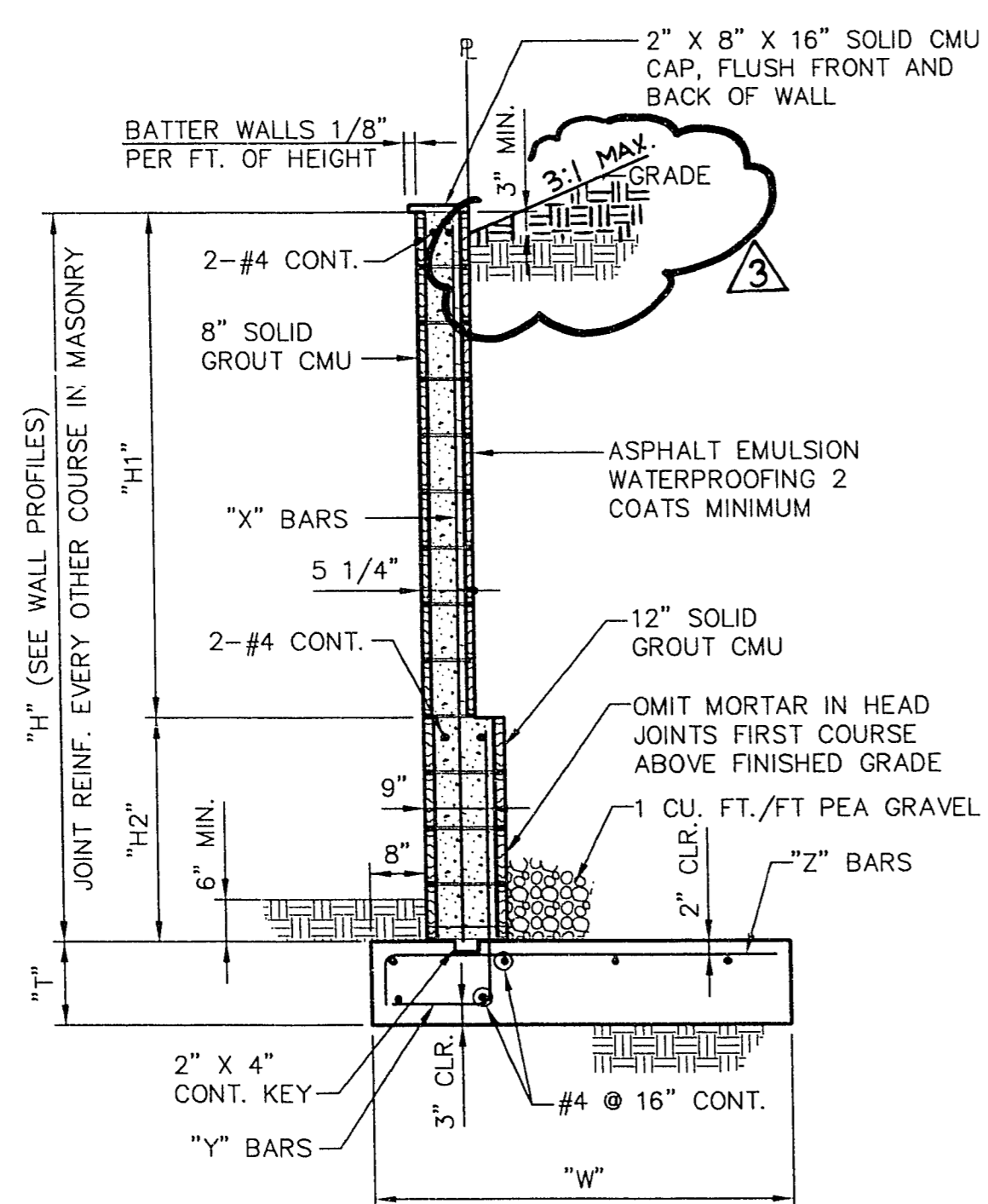
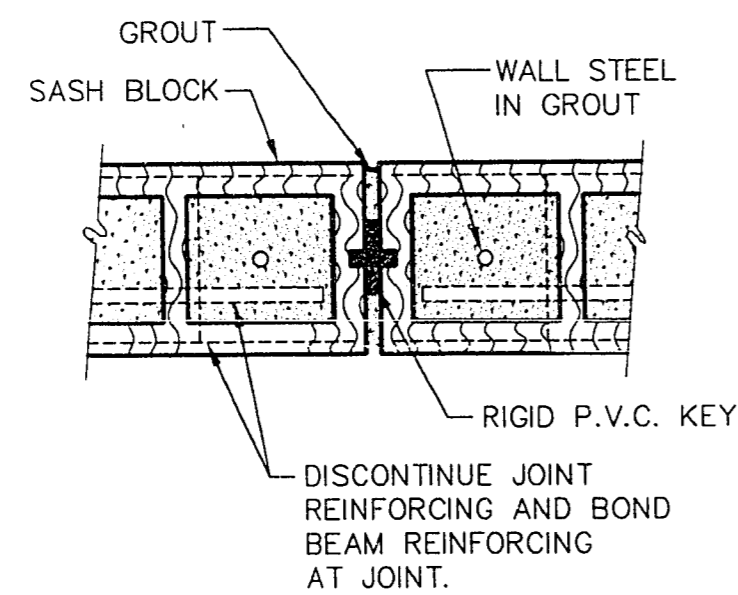


**DETAIL**

SCALE: HORIZ. 1/2" = 1'-0"  
VERT. 1/2" = 1'-0"

1

47



**6 FT MAX. RETAINING/PLANTER WALL DETAIL**

NOT TO SCALE

4

47

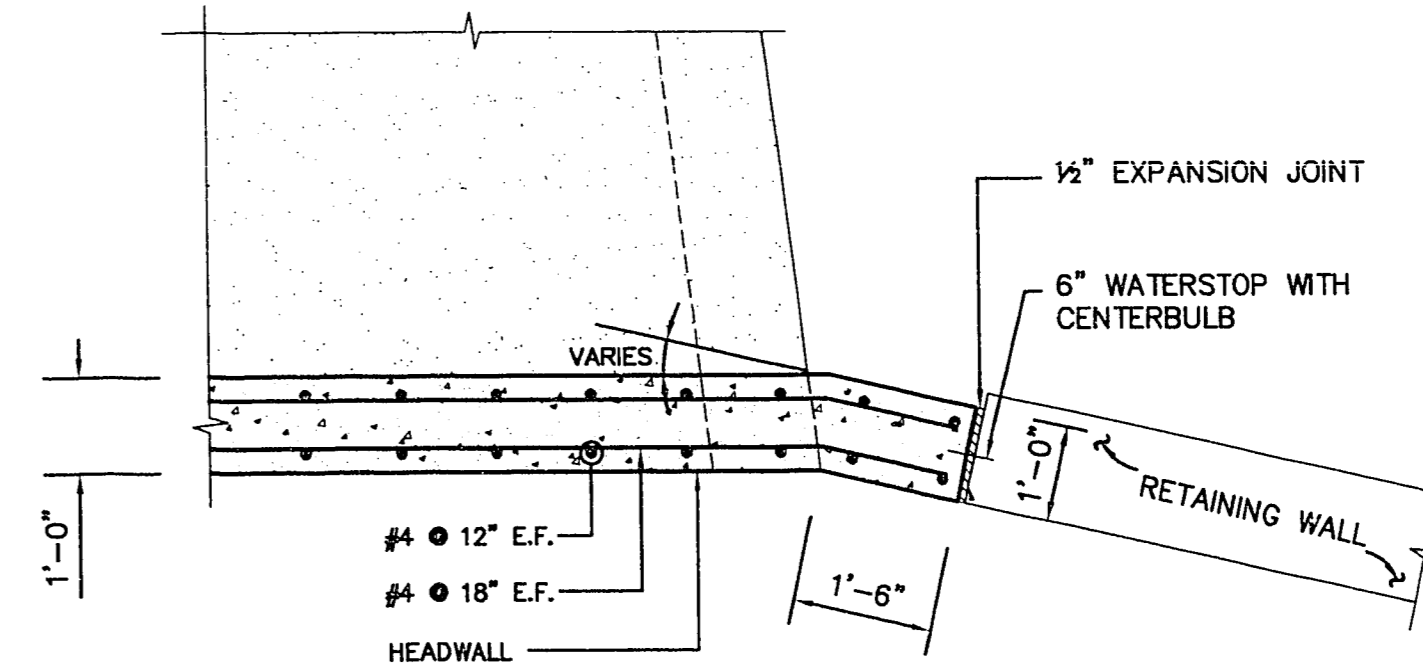
**RETAINING WALL SCHEDULE**

DIMENSIONS			"X"	"Y"	"Z"
H	H1	H2	W	T	BARS
2'-0"	2'-0"	2'-0"	12"	#4 @ 48"	#4 @ 48" #4 @ 16"
4'-0"	4'-0"	2'-0"	12"	#4 @ 48"	#4 @ 48" #4 @ 16"
4'-8"	4'-8"	2'-6"	12"	#4 @ 48"	#5 @ 48" #4 @ 16"
5'-4"	5'-4"	3'-6"	12"	#4 @ 48"	#5 @ 48" #4 @ 16"
6'-0"	4'-0"	2'-0"	4'-0"	12"	#4 @ 48" #4 @ 24" #4 @ 16"

\* FOR THIS HEIGHT WALL THE "X" BARS MAY BE ELIMINATED BY EXTENDING THE "Y" BARS TO THE TOP OF THE WALL.  
\*\* WHEN "H2" DOES NOT EXIST LOCATE THE "Y" BARS IN THE SAME POSITION AS THE "X" BARS. EXTEND THE "Y" BARS INTO THE MASONRY WALL 2'-0" MINIMUM FOR A #4 BAR AND 2'-6" MINIMUM FOR A #5 BAR.

**NOTES:**

- MASONRY UNITS SHALL BE ASTM C-90, GRADE N-1 HOLLOW CONCRETE UNITS. MASONRY DESIGN STRESS IS AS FOLLOWS:  $f_m = 1500$  PSI (HALF STRESSES ARE USED).
- MORTAR SHALL BE ASTM C270, TYPE "M" OR "S".
- GROUT SHALL HAVE A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
- CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 2500 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60,  $F_y = 60,000$  PSI.
- UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION, AND PER STANDARD SPECIFICATIONS FOR THE CITY OF LAS VEGAS, NEVADA.
- SOLID GROUT ALL MASONRY UNITS.
- ALL WALLS ARE SUBJECT TO APPROVAL BY THE CITY OF LAS VEGAS, NEVADA BUILDING DEPARTMENT.
- WALLS SHALL BE STEPPED ONLY AS SHOWN ON THE PLANS.
- ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID.
- HORIZONTAL JOINT REINFORCING SHALL BE 9-GA. LADDER TYPE WITH LAP SPLICES OF 12" MINIMUM, INCLUDING CORNERS AND INTERSECTIONS.
- BOND BEAMS AND JOINT REINFORCING SHALL NOT BE CONTINUOUS THROUGH WALL CONSTRUCTION JOINTS.
- WHERE VERTICAL GROUT LIFTS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, TERMINATE LIFT 1" BELOW TOP OF TOP BLOCK TO FORM A KEY FOR FUTURE LIFTS.
- LOCATE CONSTRUCTION JOINTS IN RETAINING WALL AT 24'-0" MAXIMUM.
- IF ACTUAL HEIGHT OF WALL IS NOT LISTED IN TABLE BELOW, USE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL LISTED.
- PROJECT SOILS REPORT: WESTERN TECHNOLOGIES, INC. PROJECT NO. 4126J151. ALL RECOMMENDATIONS MADE BY THE ABOVE SOILS REPORT SHALL BE IMPLEMENTED DURING CONSTRUCTION.

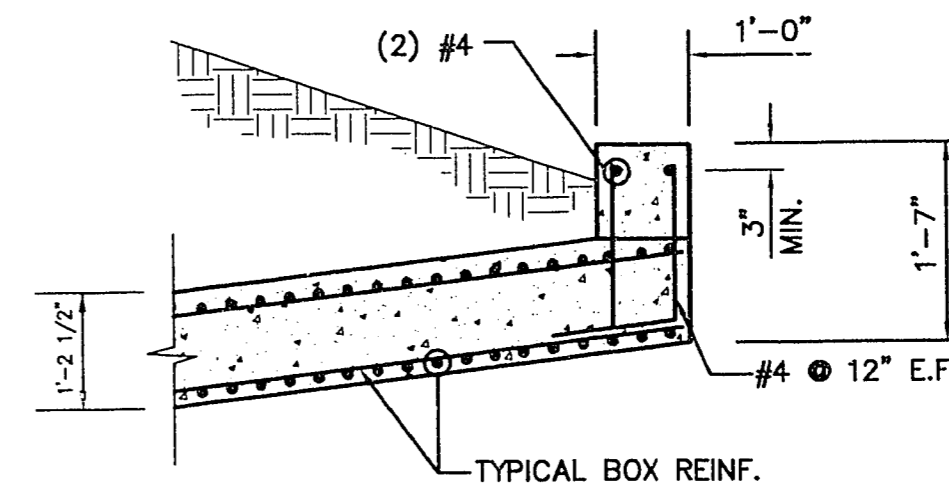


**HEADWALL DETAIL**

SCALE: HORIZ. 1/2" = 1'-0"  
VERT. 1/2" = 1'-0"

2

47



**HEADWALL DETAIL**

SCALE: HORIZ. 1/2" = 1'-0"  
VERT. 1/2" = 1'-0"

3

47

JOB NO. 62003.203

S.T.S. V3-8647.DWG, 08/04/95

RECOMMENDED BY: *[Signature]* DATE: 10/7/10/95  
 R.P.E. NO.: 10712 DATE: 12-24-05  
 G.C. WALLACE, INC. 1855 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89108  
 Engineering/Architecture  
**SUMMERLIN**  
**VILLAGE 3 ROUGH GRADING**  
**IMPROVED INLET - RCB @ STA 62+21.00**  
**STRUCTURAL DETAILS**  
 SHEET  
**47**  
 SHIT 47 OF 47

24-2-163

107-V2355