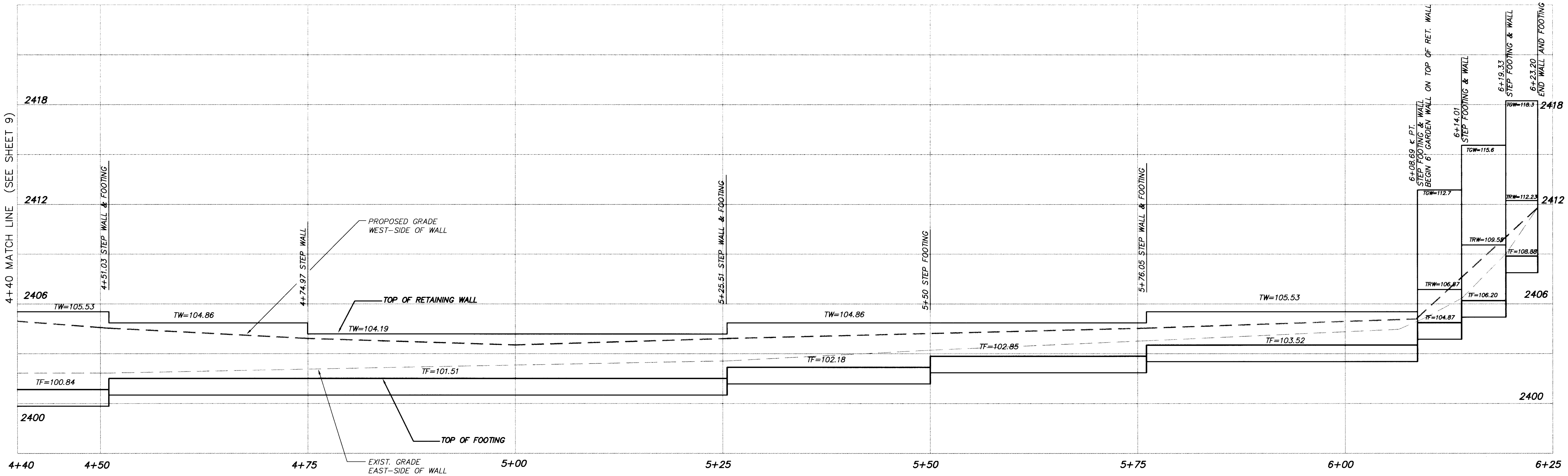
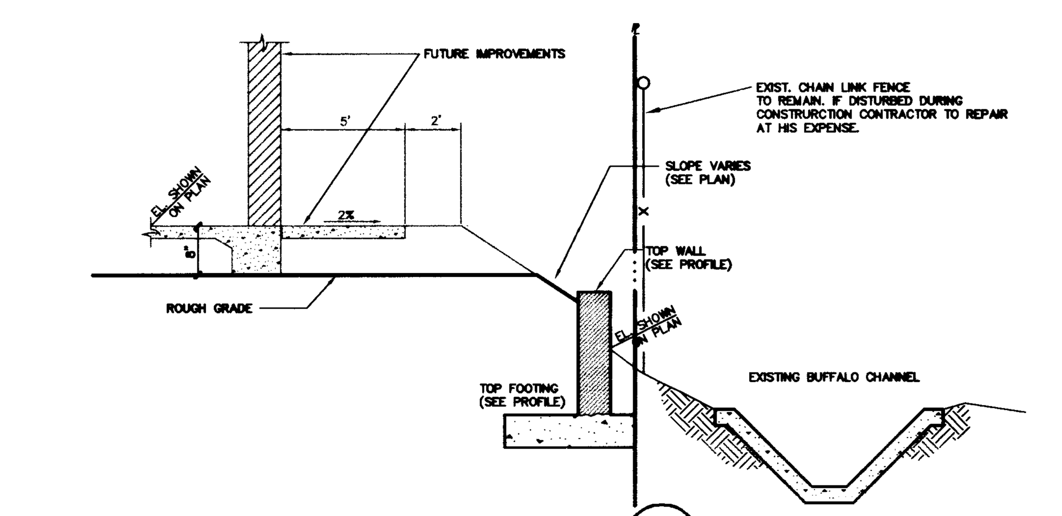


EAST RETAINING WALL – STA. 4+40 TO 6+23.20

SCALE: HORZ: 1"= 6'
VERT: 1"= 3'



SECTION A/10
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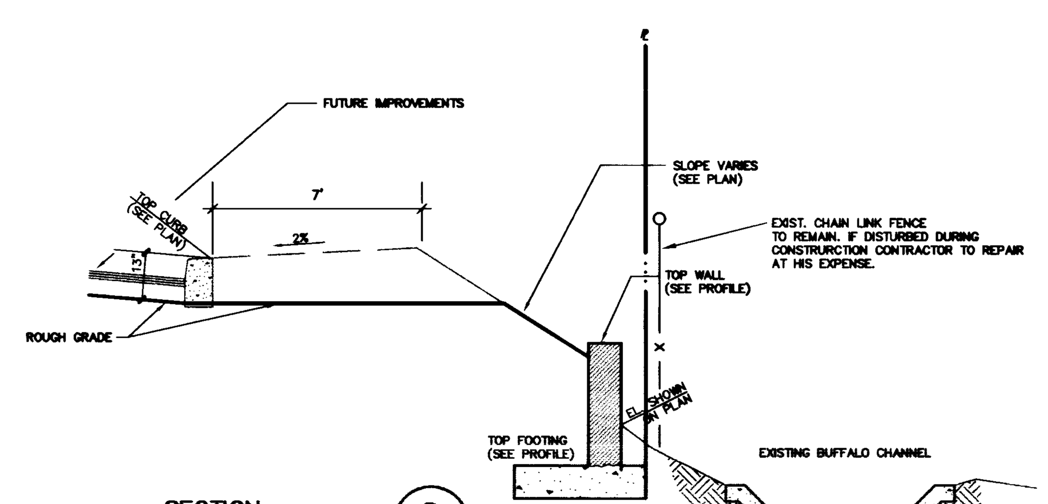

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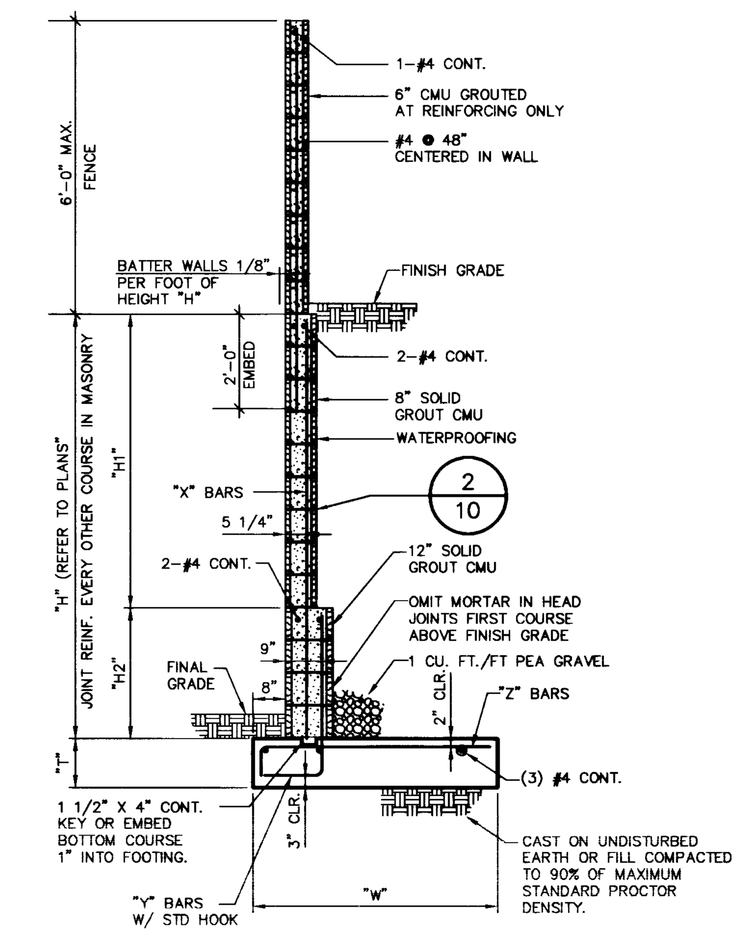
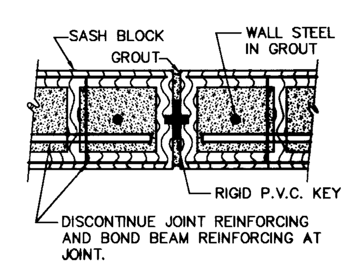


RETAINING WALL DETAIL 1/10
N.T.S.



CMU JOINT DETAIL 2/10

NOTES:

1. 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 UNLESS SPECIAL INSPECTION IS CALLED FOR.)
2. MORTAR SHALL BE ASTM C270, TYPE "M" OR "S".
3. GROUT SHALL HAVE A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
4. CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 2500 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60, Fy = 60,000 PSI.
6. 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.
7. SOLID GROUT ALL MASONRY UNITS BELOW HIGHEST FINISH GRADE.
8. ALL WALLS ARE SUBJECT TO APPROVAL BY THE CITY OF LAS VEGAS, NEVADA BUILDING DEPARTMENT.
9. WALLS SHALL BE STEPPED ONLY AS SHOWN ON THE PLANS.
10. ALL CORNERS OR ANGLES SHALL BE TIED TOGETHER WITH REINFORCING STEEL AND GROUTED SOLID.
11. HORIZONTAL JOINT REINFORCING SHALL BE 9-GA. LADDER TYPE WITH LAP SPLICES OF 12" MINIMUM – INCLUDING CORNERS AND INTERSECTIONS
12. BOND BEAMS AND JOINT REINFORCING SHALL NOT BE CONTINUOUS THROUGH WALL CONSTRUCTION JOINTS.
13. 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.
14. LOCATE 1/2-INCH CONSTRUCTION JOINTS IN RETAINING WALL AT 24'-0" MAXIMUM
15. IF ACTUAL HEIGHT OF WALL IS NOT LISTED IN TABLE BELOW, USE STEEL AND DIMENSIONS FOR NEXT HIGHEST WALL LISTED.
16. PROJECT SOILS REPORT: TERRACON CONSULTANTS WESTERN, INC.
PROJECT NO. 64965142
MAY 22, 1996
ALL RECOMENDATIONS MADE BY THE ABOVE SOILS REPORT SHALL BE IMPLEMENTED DURING CONSTRUCTION.

RETAINING WALL SCHEDULE

DIMENSIONS					"X"	"Y"	"Z"
H	H1	H2	W	T	BARS	BARS	BARS
2'-0"	2'-0"	—	2'-0"	12"	—	** #4 @ 48"	#4 @ 48"
3'-4"	3'-4"	—	2'-4"	12"	#4 @ 48"	#5 @ 48"	#4 @ 48"
4'-0"	4'-0"	—	2'-9"	12"	#4 @ 48"	#5 @ 24"	#4 @ 48"
4'-8"	4'-8"	—	3'-3"	12"	#4 @ 48"	#5 @ 16"	#4 @ 32"
5'-4"	3'-4"	2'-0"	3'-8"	12"	#4 @ 24"	#4 @ 24"	#4 @ 24"
6'-0"	4'-0"	2'-0"	4'-2"	12"	#4 @ 24"	#4 @ 24"	#4 @ 16"
6'-8"	4'-0"	2'-8"	4'-8"	12"	#4 @ 16"	#5 @ 16"	#5 @ 16"
7'-4"	4'-8"	2'-8"	5'-0"	12"	#5 @ 16"	#5 @ 8"	#5 @ 16"

** WHEN "H2" DOES NOT EXIST LOCATE THE "Y" BARS IN THE SAME POSTION 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.

REV	DATE	DESCRIPTION
1	12/31/96	NEW SHEET

RECOMMENDED
8443 3/11/97
P.E. NO. DATE

G.C. WALLACE, INC.
Engineering/Architecture
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89102

THE HOWARD HUGHES CORPORATION/BUFFALO PARTNERS
LAKE MEAD CENTER ROUGH GRADING & BOX CULVERT
RETAINING WALL PROFILE AND DETAILS

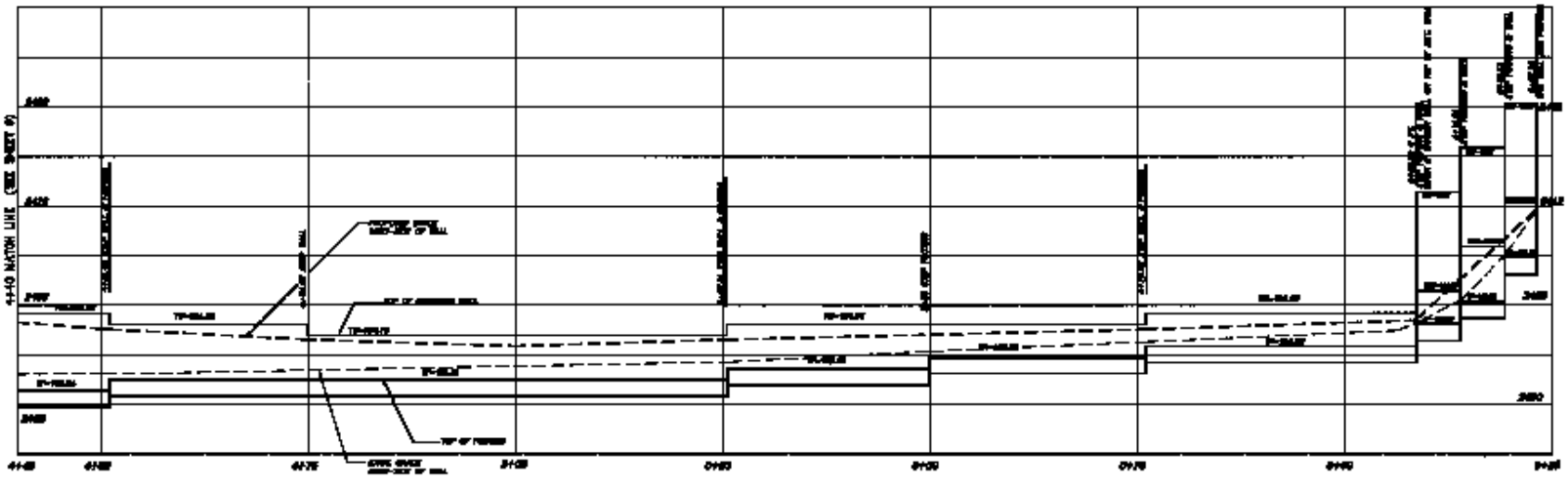
SHEET 10 OF 10 SHEETS
J-WALL2 ON DISK

12/30/96

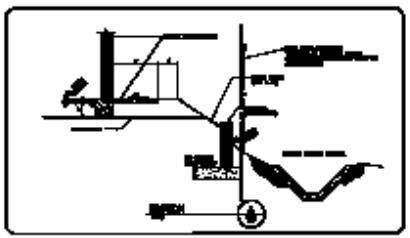
JOB NO. 398.095

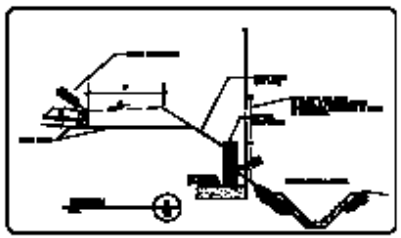
775

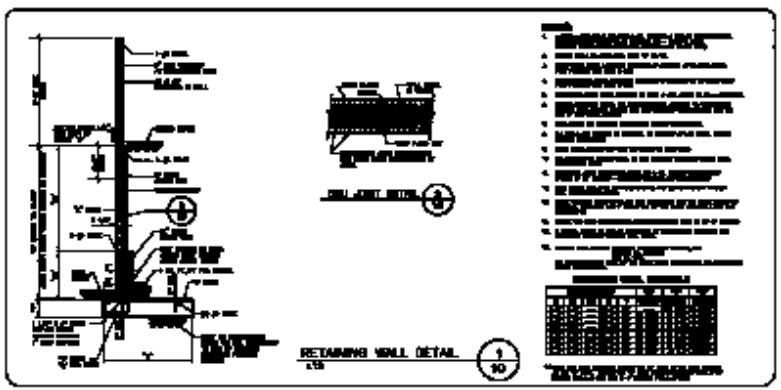
107-V2585



EAST RETAINING WALL – STA. 4+40 TO 8+23.20







RETAINING WALL DETAIL 1/10