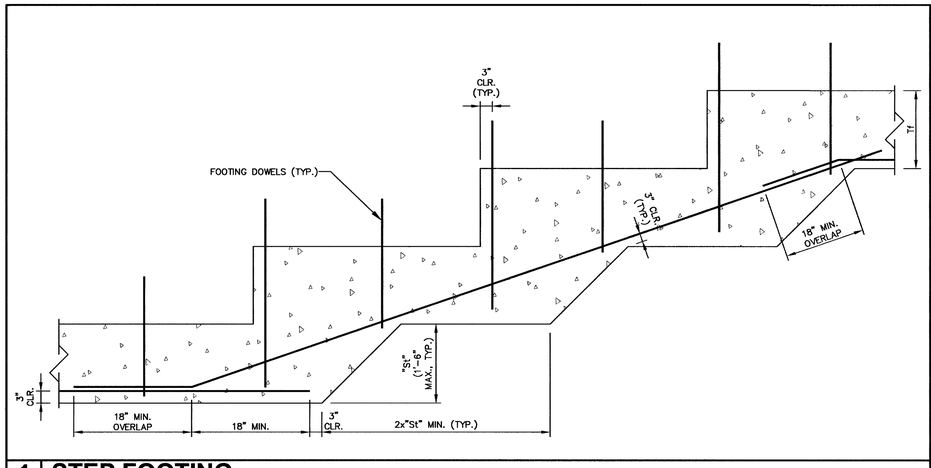
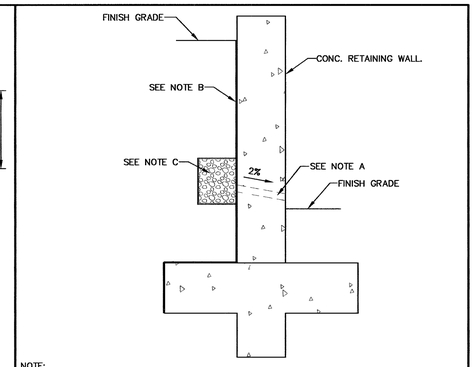


1 | STEP FOOTING

N.T.S.



NOTE:

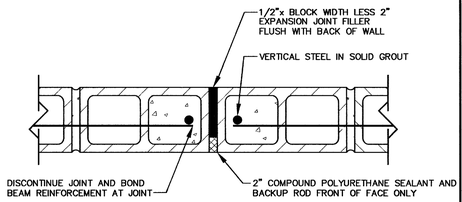
A. INSTALL 3" DIA. PVC PIPE DRAIN @ 6' MAX. O.C. EXPOSED WALL DRAINS SHALL BE LOCATED 3" ABOVE FINISH GRADE.

B. APPLY WATERPROOFING MEMBRANE AS SHOWN PER SPECIFICATIONS SECTION 07112 AT ALL RETAINING WALLS.

C. INSTALL 1 C.F. OF 3/4" CRUSHED ROCK AND WRAP W/NON-WOVEN FILTER FABRIC MIRAFI OR APPROVED EQUAL @ EACH WEEP HOLE, TYPICAL.

2 | TYPICAL WEEP HOLE

N.T.S.



NOTE:

LOCATE CONTROL JOINTS IN CMU WALLS AT MAXIMUM SPACING OF 30'.

3 | CMU WALL CONTROL JOINT DETAIL

N.T.S.

GENERAL RETAINING WALL NOTES:

1. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. ARCH WELDING OF REINFORCING STEEL SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARDS FOR REINFORCING STEEL.
2. CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 4,000psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
3. MASONRY UNITS SHALL BE ASTM C-90, GRADE N-1 HOLLOW CONCRETE UNITS. MASONRY DESIGN STRESS IS AS FOLLOWS: f'm=2000psi.
4. MORTAR SHALL BE ASTM C-270, TYPE "M" OR "S" WITH A MINIMUM STRENGTH OF 1,800psi AT 28 DAYS.
5. GROUT SHALL HAVE A MINIMUM STRENGTH OF 2,500psi AT 28 DAYS USING TYPE V CEMENT PER ASTM C-150.
6. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL CONFORM TO THE UNIFORM BUILDING CODE, LATEST EDITION.
7. SOLID GROUT ALL MASONRY UNITS.
8. ALL CORNERS SHALL BE TIED TOGETHER WITH REINFORCING STEEL.
9. WHERE VERTICAL GROUT POURS ARE NOT CONTINUOUS FOR THE ENTIRE HEIGHT OF THE WALL, TERMINATE LIFT 1-½" BELOW TOP BLOCK TO FORM A KEY FOR FUTURE LIFTS
10. LOCATE CONSTRUCTION JOINTS IN CMU RETAINING WALL AT A MAXIMUM SPACING OF 30'.
11. WALLS SHALL BE STEPPED IN INCREMENTS OF NOT MORE THAN 1'-4".
12. BACK FILL BEHIND WALLS SHALL BE COMPACTED TO 90% OF STANDARD PROCTOR DENSITY.
13. HEAVY CONSTRUCTION EQUIPMENT SHOULD MAINTAIN A MINIMUM DISTANCE OF 3' FROM THE WALL WHILE THE BACK FILL SOILS ARE PLACED. HAND COMPACTION EQUIPMENT SHOULD BE USED TO COMPACT THE BACK FILL SOILS WITHIN THE MIN 3' WIDE ZONE ADJACENT TO THE WALL.
14. REFER TO RECOMMENDATIONS OUTLINED IN THE SOILS REPORT FOR THIS PROJECT.
15. PROVIDE CONC. WALL CONTROL JOINTS @ 20'-0" O.C. MAX. CONSTRUCTION JOINTS MAY BE USED IN PLACE OF CONTROL JOINTS PER CONTRACTOR'S DISCRETION. THE REINFORCING SHALL BE CONTINUOUS THROUGH THE JOINT (CONSTRUCTION AND CONTROL). CONTROL JOINTS SHALL BE BOTH FACES OF WALL, 1/2" DEEP x 1" WIDE. (REVEAL 45')

CMU RETAINING WALL SECTION "1" - SEE SHEET C6.00

H	T1	W	W1	W2	TF	S	L1	Y BARS	V BARS	X BARS	Z BARS	REMARKS
4'-0"	8"	3'-2"	2'-6"	8"	1'-0"	7"	26"	#4 @ 8" O.C.	#4 @ 8" O.C.	#4 @ 8" O.C.	#4 @ 18" O.C.	–
3'-4"	8"	2'-11"	2'-3"	8"	1'-0"	7"	26"	#4 @ 8" O.C.	#4 @ 8" O.C.	#4 @ 8" O.C.	#4 @ 18" O.C.	–
2'-4"	8"	2'-5"	1'-9"	8"	1'-0"	7"	26"	#4 @ 16" O.C.	#4 @ 16" O.C.	#4 @ 8" O.C.	#4 @ 18" O.C.	–

CMU RETAINING WALL SECTION "2" - SEE SHEET C6.00

H	H1	H2	T1	T2	W	W1	W2	TF	C	S	L1	Y BARS	V BARS	X BARS	Z BARS	REMARKS
7'-4"	4'-0"	3'-4"	12"	8"	5'-9"	4'-9"	1'-0"	1'-7"	8"	16"	41"	#5 @ 8" O.C.	#10 @ 8" O.C.	#5 @ 8" O.C.	#4 @ 18" O.C.	–
6'-8"	4'-0"	3'-4"	12"	8"	5'-9"	4'-9"	1'-0"	1'-7"	8"	16"	41"	#5 @ 8" O.C.	#10 @ 8" O.C.	#5 @ 8" O.C.	#4 @ 18" O.C.	–
6'-0"	3'-4"	2'-8"	10"	8"	4'-10"	4'-0"	10"	1'-4"	4"	13"	26"	#4 @ 16" O.C.	#8 @ 8" O.C.	#5 @ 8" O.C.	#4 @ 18" O.C.	–
5'-4"	2'-0"	3'-4"	10"	8"	4'-4"	3'-6"	10"	1'-4"	4"	13"	26"	#4 @ 16" O.C.	#8 @ 8" O.C.	#5 @ 8" O.C.	#4 @ 18" O.C.	–

CMU RETAINING WALL SECTION "3" - SEE SHEET C6.00

H	H1	H2	H3	T1	T2	T3	W	W1	W2	TF	C	S	L1	L2	U BARS	Y BARS	V BARS	X BARS	Z BARS	H BARS	K BARS	REMARKS
10'-0"	4'-0"	2'-8"	2'-8"	16"	12"	8"	7'-10"	1'-0"	5'-6"	1'-7"	16"	10"	36"	26"	#6 @ 8" O.C.	#5 @ 8" O.C.	#4 @ 16" O.C.	#5 @ 8" O.C.	#6 @ 16" O.C.	2 #5	#4 @ 12" O.C.	f'm = 2,000, SPECIAL INSPECTION REQUIRED
9'-0"	4'-0"	2'-8"	2'-8"	16"	12"	8"	7'-10"	1'-0"	5'-6"	1'-7"	16"	10"	24"	26"	#6 @ 8" O.C.	#4 @ 8" O.C.	#4 @ 16" O.C.	#5 @ 8" O.C.	#6 @ 16" O.C.	2 #5	#4 @ 12" O.C.	–

Call before you UnderGround 1-702-455-7511
AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS, IT'S COSTLY
CLARK COUNTY TRAFFIC OPERATIONS and 1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

Avoid overhead power line contact. It's costly.
Call before you OVERHEAD 1-702-593-6111

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

94174

LEGEND

CL OR SURVEY LINE	EASEMENT LINE	HEAVY AC PV.	MANHOLES & DESCRIPTIONS: (S) = SANITARY SEWER; (D) = STORM DRAIN; (E) = ELECTRICAL; (T) = TELEPHONE
PROPERTY LINE	SAWCUT LINE	LIGHT AC PV.	
ROW LINE	SCARP LINE	HEAVY CONC. PV.	
		LIGHT CONC. PV.	

CAP — DESCRIPTION: EXISTING: / PROPOSED:

BO VALVE, CLEAN OUT, FDC, FIRE HYDRANT, GATE VALVE, REDUCER, 100w HPS STREETLIGHT, 150w HPS STREETLIGHT, 200w HPS STREETLIGHT, 250w HPS STREETLIGHT, 400w HPS STREETLIGHT, 5' CONTOUR LINE (2210), 1' CONTOUR LINE (2211), EDGE OF PVMT., "A" TYPE CURBS, "L" TYPE CURBS, WALLS, FENCES, SPOT ELEVATIONS (12.3±) 12.34 BC, SIGNS

Nevada By Design
ENGINEERING CONSULTANTS
1515 East Harmon Avenue
Las Vegas, NV 89169-2777
Phone: (702) 838-1520 - Fax: (702) 838-1530
www.nvbydesign.com

STAMP: 4/14/06

REVISIONS:

ARCHITECT:
WELLES-PUGSLEY ARCHITECTS L.L.P.
2480 EAST TOMPKINS AVE. SUITE 222, LAS VEGAS NEVADA, 89121
ph. 702.455.7150 fax. 702.455.7699 e-mail. wps@wellespugsleyarchitect.com

SHEET TITLE/PROJECT NAME:
AUTONATION - DESERT BMW OF LAS VEGAS
6900 W. SAHARA AVENUE
LAS VEGAS, NEVADA
RETAINING WALL DETAILS AND SCHEDULES

PROJECT OWNER:
JRJ INVESTMENT, INC. C/O AUTONATION
110 S.E. 6TH STREET
FT. LAUDERDALE, FL 33301

MUNICIPALITY: CITY OF LAS VEGAS

STATE: NEVADA

SUBMITTAL: PLAN CHECK

PROJECT LOCATION:

PROJECT NUMBER: WP-0504

DRAWN BY: DMZ

CHECKED BY: CLN

DATE: 3/27/2006

C6.01

SHEET: 12 OF 13

10704667

I:\WPA\03585\dwg\03585-0601-RW.dwg 04/20/06 14:00
XREF = I:\WPA\03585\DWG\03585-TBLK