

HAMILTON CIVIL ENGINEERS UTILITY NOTE:
 HAMILTON CIVIL ENGINEERS ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THIS DRAWING AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

HAMILTON CIVIL ENGINEERS - SURVEY DISCLOSURE
 THIS IS NOT A PROPERTY SURVEY. THIS PLAN IS INTENDED TO BE USED FOR LAYOUT AND GRADING PURPOSES ONLY. LOT LINE DIMENSIONS MAY DIFFER FROM THOSE SHOWN HEREON.

CAUTION TO CONTRACTOR
 THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

CLV GRADING ONLY / BLOCK WALL NOTE:
 THIS PLAN IS FOR GRADING ONLY AND DOES NOT APPROVE BLOCK WALLS, RETAINING WALLS, BUILDINGS, STRUCTURES, OR PARKING AREAS. SEPARATE PERMIT APPROVALS ARE REQUIRED. ONLY BLOCK WALLS SHOWN ON THIS GRADING PLAN SHALL BE CONSTRUCTED. ANY FUTURE BLOCK WALLS OR CHANGES WILL REQUIRE REVISIONS TO THE GRADING PLAN. SEPARATE PERMIT APPROVAL IS REQUIRED FOR WALLS, FENCES, POOLS, SPAS, SIGNS, AND ACCESSORY STRUCTURES.

FIRE HYDRANT LOCATION
 NEAREST FIRE HYDRANT LOCATED ON THE NORTH HALF OF OAKLEY BOULEVARD APPROXIMATELY 800± FEET TO THE EAST BEYOND THE EXTENTS OF THE PROPERTY.

CITY OF LAS VEGAS GENERAL UTILITY NOTE
 ALL UTILITY BOXES AND ABOVE GROUND INSTALLATIONS, OTHER THAN UTILITY POLES, THAT ARE IN EXCESS OF TWENTY-SEVEN CUBIC FEET IN SIZE (EXCLUDING PAD AND CONCRETE COLLARS) SHALL BE SETBACK A SUFFICIENT DISTANCE SO THAT A MINIMUM OF THREE (3) FEET OF LANDSCAPING SEPARATES THE UTILITY STRUCTURE FROM THE PUBLIC STREET RIGHT-OF-WAY OR SIDEWALK, WHICHEVER IS NEARER TO THE STRUCTURES. ALL UTILITY INSTALLATIONS SHALL CONFORM TO TITLE 19.12.040.E

FIRE DEPT FIRE FLOW CALCULATIONS

	PRINCIPAL	ACCESSORY
FIRE FLOW REQUIREMENT IS:	1,500 GPM	1,500 GPM
AT 20 PSI RESIDUAL PRESSURE		
BASED ON SQUARE FOOTAGE:		
LIVING AREA:	3,520 SQ. FT.	1,084 SQ. FT.
GARAGE:	484 SQ. FT.	1,195 SQ. FT.
PATIO:	110 SQ. FT.	212 SQ. FT.
DECK:	210 SQ. FT.	305 SQ. FT.
TOTAL:	4,304 SQ. FT.	2,776 SQ. FT.
BUILDING FOOTPRINT:	3,270 SQ. FT.	1,408 SQ. FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	4,304 SQ. FT.	2,776 SQ. FT.
BUILDING HEIGHT:	29'-3"	28'-9"
NUMBER OF STORIES:	2	2
TYPE OF CONSTRUCTION:	V-B	V-B
OCCUPANCY:	R3	R3
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES-13D	YES-13D
HIGH PILE STORAGE:	NO	NO

CONSTRUCTION NOTES
 ① CONSTRUCTION NOTE SYMBOL

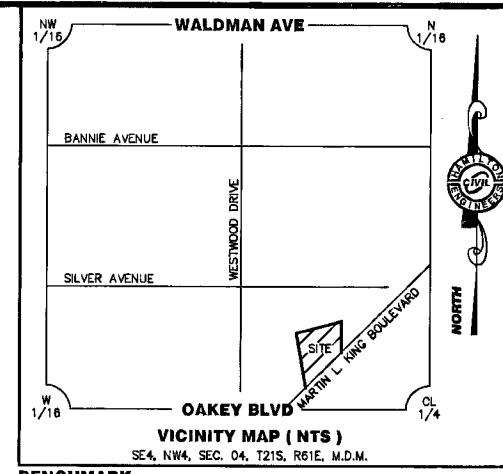
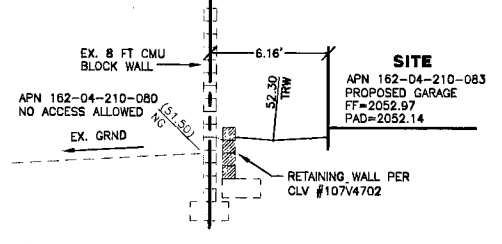
- 2 FT RETAINING WALL TO BE CONSTRUCTED ALONG BOTH THE NORTHERLY AND EASTERLY BOUNDARY COMMENCING AT NORTHEASTLY CORNER OF SITE PER CLV #107V4702
- EXISTING 19.69 FT (6 METERS) DROP INLET
- TWO (2) FULLY OPEN DECO BLOCKS FOR DRAINAGE PER CLV #107V4702

811 Call before you dig.
 1-800-227-2600
 NVDMA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT
 Call before you OVERHEAD
 1-702-227-2929
 48 HRS ADVANCE

Avoid cutting underground utility lines. IT'S COSTLY.

Avoid hitting underground traffic signal systems and street light system conduits. IT'S COSTLY.

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



BENCHMARK
 CITY OF LAS VEGAS BENCHMARK = 11V11-SE4
 BEING A RIVET AND PLATE IN TOP OF CURB AT NW RETURN RANCHO ROAD AND OAKLEY BOULEVARD.
 NAVD '88 ELEV. = 629.903 (M) = 2066.61 (FT)

BASIS OF BEARING
 NORTH 02°34'09" EAST BEING THE CENTER LINE OF WESTWOOD DRIVE PER BOOK 4, PAGE 44-A OF PLATS IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA.

FLOOD ZONE
 FIRM PANEL # 32003C2170 E, ZONE "X" EFFECTIVE SEPTEMBER 27, 2002.

LEGAL DESCRIPTION
 BEING A PORTION OF BLOCK 12 IN THE SCOTCH EIGHTY SUBDIVISION SHOWN IN BOOK 4, PAGE 44-A OF PLATS IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA. ALSO BEING A PORTION OF THE SOUTHEAST QUARTER (SE4) OF THE SOUTHWEST QUARTER (SW4) OF SECTION 04, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA. A.P.N. 162-04-210-083

GEOTECHNICAL / GRADING NOTES
 SOILS REPORT PREPARED BY: JOB NO. 6778
 ACTION TECHNOLOGIES AND ENGINEERING, INC.
 3535 W. HARMON AVENUE, SUITE 1
 LAS VEGAS, NEVADA 89103
 PH: (702) 736-1801 FAX: (702) 736-3844

- ALL GRADING AND PAVING TO BE COMPLETED IN STRICT ACCORDANCE WITH THE ABOVE REFERENCED SOILS REPORT.
- PAD ELEVATION IS BASED ON FOUR (4") INCHES TYPE 1 OVERLAY WITH A 6 MIL VISQUEEN MEMBRANE COVERED WITH TWO (2") INCHES OF SAND ALL UNDER FOUR (4") INCHES CONCRETE. SEE SOILS REPORT FOR ALTERNATIVE.
- ALL CUT AND FILL SHALL COMPLY WITH SUBMITTED SOILS REPORT.

LEGEND

---	EP	EDGE OF PAVEMENT
---	CL	CENTERLINE
---	PL	PROPERTY LINE
---	R/W	PUBLIC ROAD RIGHT OF WAY
---		EXISTING CURB & GUTTER, SIDEWALK
---	BSL	BUILDING SETBACK LINE
---	EX	EX. CHAIN LINK FENCE
---	EX	EX. WALL
---	---	PROPOSED WALL
---	---	ASPHALT SAWCUT LINE
---	---	EXISTING GRADE
---	---	PROPOSED GRADE
---	---	TRENCH AND BACKFILL (UNPAVED AREAS)
---	---	EX. CONTOUR
---	---	FINISH CONTOUR

AC	ASPHALTIC CONCRETE	PP	POWER POLE "CL"
APN	ASSESSOR PARCEL NUMBER	PROTK	PROPANE TANK
BC	BRASS CAP	PRV	PRESSURE REDUCING VALVE
BFE	BASE FLOOD ELEVATION	PVC	POLYVINYL CHLORIDE
BOB	BASIS OF BEARING	RAC	REBAR AND ALUMINUM CAP
BW	BACK WATER VALVE	RET	RETAINING
CATV	CABLE TELEVISION	RPC	REBAR AND PLASTIC CAP
CB	CABLE BOX	SRV	SERVICE PEDestal
CONC	CONCRETE	250W	400W (SL) STREET LIGHT
CONTR	CONTROL CABINET		
DACSWS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS	SNWA	SO. NV WATER AUTHORITY SERVICE POLE
DW	DRIVEWAY	SSCO	SANITARY SEWER CLEANOUT
EB	ELECTRIC BOX	SSMH	SANITARY SEWER MANHOLE
EG	EDGE OF GRAVEL	STA	STATION
ELEC	ELECTRIC	SVZ	SIGHT VISIBILITY RESTRICTION ZONE
EM	ELECTRIC METER	SWR	SEWER
EA	EDGE OF PAVEMENT	TB	TELE-BOX
ER	EDGE OF ROAD	TBC/TC	TOP BACK OF CURB
EX	EXISTING	TBSW	TOP BACK OF SIDE WALK
EX	EXISTING FLOOR	TF	TRANSFORMER
FG	FINISHED GRADE	TMH	TOP OF MANHOLE
FL	FENCE LINE	TOP	TOP OF SLOPE
FNCE	FENCE	TR	TRIP
FO	FIBER OPTIC	TR	TRIP-RISE
FS	FINISHED SURFACE	TW	TOP OF WALL
GB	GRADE BREAK	TV	TELE-VAULT
GW	GUY WIRE	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS
HP	HIGH POINT	UG	UNDERGROUND ELECTRIC
HYD	FIRE HYDRANT	OCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS
ICV	IRRIGATION CONTROL VALVE	VG	VALLEY GUTTER
INVERT	INVERT	WC	WELL CASING
LF	LINEAR FEET	WT	WATER TANK
LP	LIGHT POLE	WTR	WATER
MAX	MAXIMUM	WM	WATER METER
MIN	MINIMUM	WV	WATER VALVE
NG	NATURAL GROUND		
POC	POINT OF CONNECTION		
NP	NEVADA POWER CO. METER		

FIRE HYDRANT LOCATION
 NEAREST FIRE HYDRANT LOCATED ON THE NORTH HALF OF OAKLEY BOULEVARD APPROXIMATELY 800± FEET TO THE EAST BEYOND THE EXTENTS OF THE PROPERTY.

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: *[Signature]* DATE: 10/10/08

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

FIRE FLOW **1,500** GPM AT 20 PSI RESIDUAL.

APPROVED FOR CONSTRUCTION

BY: **NOT APPLICABLE** DATE: _____
 LAS VEGAS VALLEY WATER DISTRICT

CLIENT CONTACT:
 EFRAIN ARTEAGA
 1806 WEST OAKLEY BLVD.
 LAS VEGAS, NV 89102
 PH: (702) 813-9108

FULSTONE ENTERPRISES INC.
 940 S. MARTIN LUTHER KING BLVD.
 LAS VEGAS, NEVADA 89106
 PHONE (702) 382-8141
 FAX (702) 382-3103
 tel@fulstone.com

HAMILTON CIVIL ENGINEERS
 3945 Pebble Creek Avenue
 Las Vegas, Nevada 89147
 PH: (702) 580-3658
 Fax: (702) 247-4507
 John@HamiltonCivilEngineers.com

Grading / Utility Plan
 NAME OF PROJECT: Efrain Arteaga - 1806 W. Oakley Blvd.
 ACCESSORY STRUCTURE
 GROSSING ENTRY: _____
 CITY OF LAS VEGAS

1"=20'
 HAMILTON CIVIL ENGINEERS:
 HCE 08-200-198
 ENGINEER SEAL
 JOHN R. HAMILTON
 CIVIL
 Exp. 06/30/2008
 No. 019732
 10/10/08

SHEET ID
C3
 3 OF 3 SHEETS
 CITY OF LAS VEGAS DWG #
 CLV #29804
 107V5130