

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

Call before you Dig.

1-800-227-2600
(48 hrs. Advance Notice Required)

AVOID OVERHEAD POWER LINE CONTACT. IT'S COSTLY.

Call before you OVERHEAD

1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

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 AND
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

WATER/SEWER CROSSING NOTE

ALL SEWER/STORM DRAINS CROSSING A WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM DRAIN CROSSINGS AND CLEARANCES.

WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF TWELVE (12) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE)

FIRE DEPT FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 1,500 GPM
AT 20 PSI RESIDUAL PRESSURE

BASED ON SQUARE FOOTAGE: 7,700 SQ. FT.

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 7,907 SQ. FT.

BUILDING HEIGHT: 23 FEET

NUMBER OF STORIES: 1

TYPE OF CONSTRUCTION: V-B

OCCUPANCY: RESIDENCE

FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES

WATER CONSTRUCTION NOTES

1) INSTALL 2" PVC (C900) WATER LINE 235 LF
2) INSTALL 1" RPPA PER UDACS STD PLT 11A 1 EA
3) INSTALL 1-INCH METER PER UDACS STD PLT 1D AND 1-INCH "TYPE K" COPPER WATER LINE AND SERVICE SADDLE 1 EA
4) REFER TO WATER/SEWER CROSSING NOTE THIS SHEET

SEWER CONSTRUCTION NOTES

1) INSTALL 4" SEWER LATERAL PER DACSWCS STD DWG SD-17 (2X MIN) 46 LF
2) INSTALL 8"x4" WYE CONNECTOR 1 EA
3) INSTALL 4-INCH SEWER CLEANOUT PER DETAIL THIS SHEET 1 EA
4) TRENCH AND BACKFILL (UNPAVED AREA) PER USDOCA STD DWG #502
5) TRENCH AND BACKFILL (PAVED AREA) PER USDOCA STD DWG #504.1

NOTE:
SEWER LENGTHS DO NOT INCLUDE THE INSIDE DIAMETER OF THE MANHOLES.

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 FIELD 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.

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.

FISHER AVENUE

WASHBURN ROAD

MAVERICK ST

JOENS BLVD.

VICINITY MAP (NTS)

SE4, NE4, SEC. 35, T19S, R06E, M.D.M.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK BLV90 35E8 --- RIVET AND ROUND ALUMINUM PLATE IN THE TOP OF CURB, SOUTHWEST CORNER OF WASHBURN RD. AND MAVERICK ST. NEAR THE PT OF MAVERICK ST.

NAVD 88 ELEV.=700.768(M)=2299.10(FT)

BASIS OF BEARING

NORTH 82°02'26" WEST BEING THE CENTER LINE OF FISHER AVENUE WHICH LIES WITHIN THE SOUTHEAST (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 35, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, DESCRIBED AS LOTS ONE(1) AND TWO(2), AS SHOWN BY MAP THEREON ON FILE IN FILE 23 OF PARCEL MAPS, PAGE 100, IN THE OFFICE OF THE COUNTY RECORDER OF CLARK COUNTY, NEVADA.

FLOOD ZONE

FIRM PANEL NO. 32003C1765 E, ZONE "X", EFFECTIVE SEPTEMBER 27, 2002

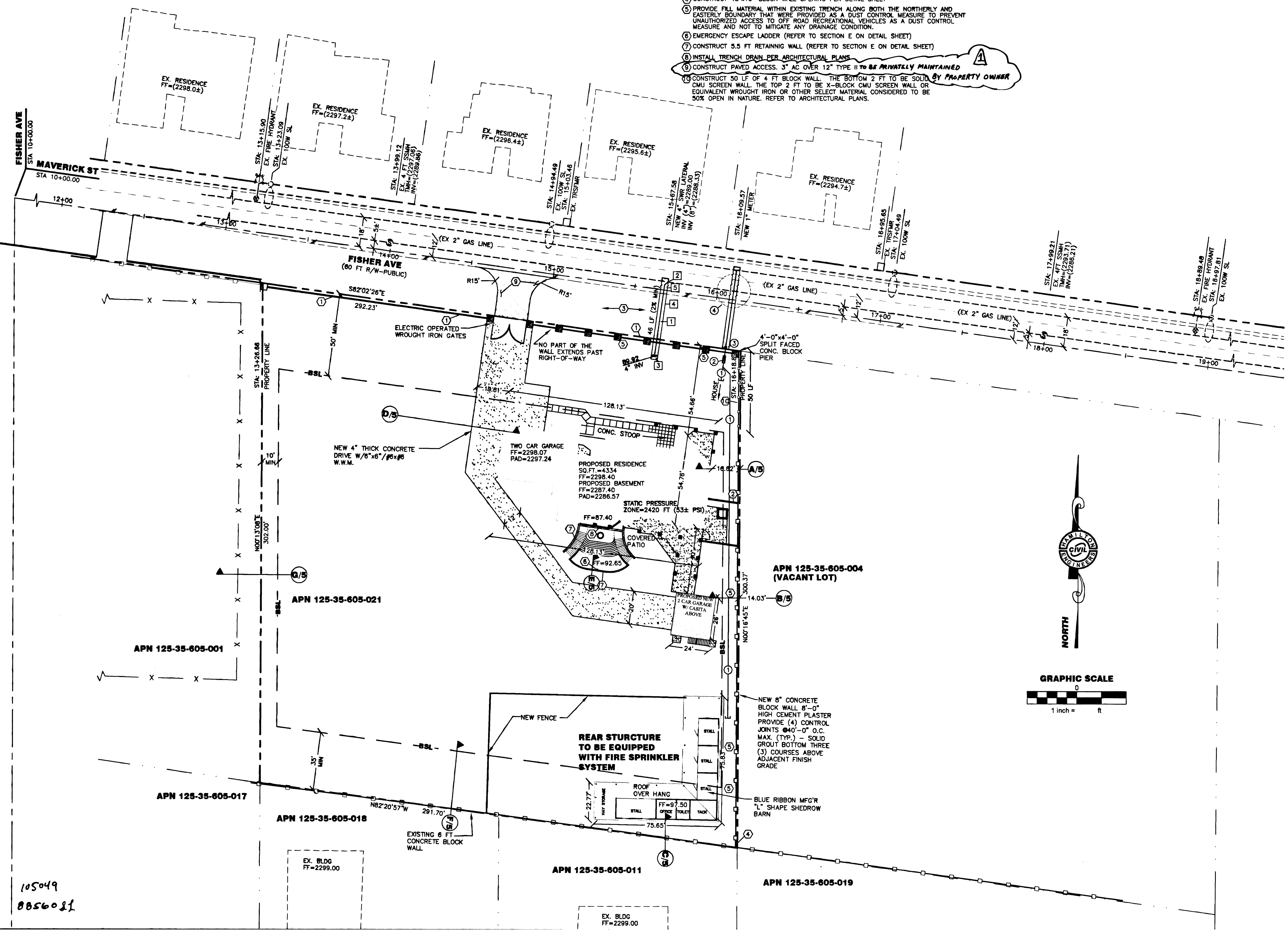
LEGAL DESCRIPTION

THAT PORTION OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 35, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, DESCRIBED AS LOTS ONE(1) AND TWO(2), AS SHOWN BY MAP THEREON ON FILE IN FILE 23 OF PARCEL MAPS, PAGE 100, IN THE OFFICE OF THE COUNTY RECORDER OF CLARK COUNTY, NEVADA.

APN 125-35-605-021

REV	DATE	DESCRIPTION
1	10-31-07	ADDED VERBAGE TO CIVIL ENGINEER'S SEAL
2	10-31-07	NOTE NO. 9 - "TO BE MAINTAINED"
3	11-14-07	ADDED VERBAGE TO CIVIL ENGINEER'S SEAL

CLIENT CONTACT:
DR. RICHARD SHEHANE
8225 FISHER AVENUE
LAS VEGAS, NV 89130
PH: (702) 375-1685
FAX: (702) 263-5190



LEGEND

---	EOP	EDGE OF PAVEMENT
---	CL	CENTERLINE
---	PL	PROPERTY LINE
---	R/W	PUBLIC ROAD RIGHT OF WAY
---	BSL	EXISTING CURB & GUTTER, SIDEWALK
---	BSL	BUILDING SETBACK LINE
X - X - X	EX	CHAIN LINK FENCE
---	EX	WALL
---	PRO	PROPOSED WALL
---	AS	ASPHALT SAWCUT LINE
(XX.XX)	---	EXISTING GRADE
TBC	---	PROPOSED GRADE
---	NEW AC	TRENCH AND BACKFILL (UNPAVED AREAS)
---	---	EXISTING CONTOUR LINES
---	---	FINISH CONTOUR LINES
AC	AS	ASPHALTIC CONCRETE
APN	AS	ASSESSOR PARCEL NUMBER
BC	RE	REBAR AND ALUMINUM CAP
BFE	RE	REBAR AND PLASTIC CAP
BOB	SL	STREET LIGHT
CATV	SNWA	SOUTHERN NEVADA WATER AUTHORITY
CB	SP	SERVICE POLE
CONC	SSCO	SANITARY SEWER CLEANOUT
DACSWS	SSHM	SANITARY SEWER MANHOLE
DW	STA	STATION
EB	SVRZ	SOFT VISIBILITY RESTRICTION ZONE (SVRZ): NOTHING OVER 24 INCHES IN HEIGHT AS MEASURED FROM TOP OF CURB ALLOWED IN SVRZ EXCEPT TRAFFIC CONTROL DEVICES.
EG	---	EDGE OF GRAVEL
ELEC	---	ELECTRIC
EM	---	ELECTRIC METER
EP	---	EDGE OF PAVEMENT
ER	---	EDGE OF ROAD
EX	---	EXISTING
FF	---	FINISHED FLOOR
FG	---	FINISHED GRADE
FL	---	FLOW LINE
FNCE	---	FENCE
FO	---	FIBER OPTIC
FS	---	FINISHED SURFACE
GB	---	GRADE BREAK
GW	---	GUY WIRE
HP	---	HIGH POINT
HYD	---	FIRE HYDRANT
ICV	---	IRRIGATION CONTROL VALVE
INV	---	INVERT
LF	---	LINEAR FEET
LP	---	LIGHT POLE
MAX	---	MAXIMUM
MIN	---	MINIMUM
NG	---	NATURAL GROUND
POC	---	POINT OF CONNECTION
NPC	---	NEVADA POWER CO. METER
PP	---	POWER POLE "CL"
PROTNK	---	PROPANE TANK
PVC	---	POLYVINYL CHLORIDE
RAC	---	REBAR AND ALUMINUM CAP
RET	---	RETAINING
RPC	---	REBAR AND PLASTIC CAP
SL	---	STREET LIGHT
SNWA	---	SOUTHERN NEVADA WATER AUTHORITY
SP	---	SERVICE POLE
SSCO	---	SANITARY SEWER CLEANOUT
SSHM	---	SANITARY SEWER MANHOLE
STA	---	STATION
SVRZ	---	SOFT VISIBILITY RESTRICTION ZONE (SVRZ): NOTHING OVER 24 INCHES IN HEIGHT AS MEASURED FROM TOP OF CURB ALLOWED IN SVRZ EXCEPT TRAFFIC CONTROL DEVICES.
SWR	---	SEWER
TB	---	TELE-BOX
TBC/TC	---	TOP BACK OF CURB
TBSW	---	TOP BACK OF SIDE WALK
TELE	---	TELEPHONE
TF	---	TRANSFORMER
TW	---	TOP OF MANHOLE
TOE	---	TOE OF SLOPE
TOP	---	TOP OF SLOPE
TR	---	TELE-RISER
TW	---	TOP OF WALL
TV	---	TELE-VAULT
UDACS	---	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS
USE	---	UNDERGROUND ELECTRIC
USDOCA	---	UNIFORM STANDARD DRAWINGS (CLARK COUNTY AREA)
VG	---	VALLEY GUTTER
WC	---	WELL CASING
WT	---	WATER TANK
WM	---	WATER METER
WV	---	WATER VALVE

APPROVED FOR CONSTRUCTION

NOT APPLICABLE. 1-INCH METER INSTALLATION TO BE PERFORMED BY THE LVVWD - NOT CONTRACTOR.

BY: _____ DATE: _____

LAS VEGAS VALLEY WATER DISTRICT

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: _____ DATE: 1/30/06

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

HAMILTON CIVIL ENGINEERS

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

Utility Plan

Dr. Richard Shehane - Single Family Residence (APN 125-35-605-021)

NAME OF PROJECT: _____
GOVERNING ENTITY: _____
ASSESSOR PARCEL NUMBER: 125-35-605-021
CITY OF LAS VEGAS, NEVADA

1"=30'

HAMILTON CIVIL ENGINEERS:
HCE 05-500-004

ENGINEER'S SEAL
DR. RICHARD SHEHANE
HAMILTON CIVIL ENGINEERS
Exp. 06/30/2007
No. 01572

SHEET ID
C4

4 OF 5 SHEETS
GOVERNING ENTITY REF NO.: 10744570