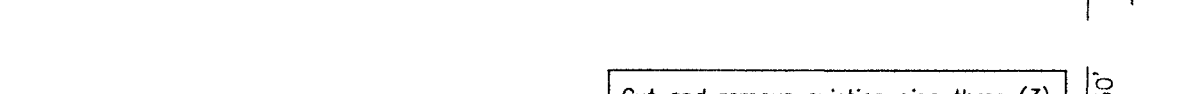


FIVE FEET MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN THE CUT-OFF WALL AND THE WATER MAIN FOR CROSSING OVER THE PROPOSED WATER MAIN. THE MAIN MUST BE WITHIN A STEEL CASING (PER ADECS PLATE 23) SPANNING FIVE FEET ON EITHER SIDE OF THE CUT-OFF WALL AND VERTICAL SEPARATION ON NO LESS THAN ONE FOOT BETWEEN TOP OF CASING AND BOTTOM OF THE WALL. IF THE MAIN IS EXISTING, A MINIMUM OF ONE FOOT VERTICALLY IS REQUIRED AND CLSM 1 BETWEEN THE TOP OF THE MAIN AND THE BOTTOM OF THE CUT-OFF WALL.



NOTE: WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A

ALL SEWER / STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UPA-100) FOR WATER AND STORM MAIN CROSSINGS. UP-

Contractor shall employ a Nevada licensed Professional Licensed Land Surveyor (PLS) to field stake the extent of the proposed/existing LVVWD easement within the project

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INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 15.

NOTE:

CONTRACTOR TO INCLUDE COST OF UNDERGROUND UTILITY DETECTION COMPANY TO LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO ANY DEMOLITION OR EXCAVATION. ENGINEER TO BE PROVIDED WITH AS-BUILT SKETCH OF EXISTING UTILITIES, AND IS TO BE NOTIFIED IMMEDIATELY OF ANY POTENTIAL CONFLICTS WITH PROPOSED UTILITIES AND/OR FINISHED GRADES.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM SURFACE EVIDENCE OR FROM IMPROVEMENT PLANS FOR THE

—XX—	EXISTING CONTOUR
—	ROAD CENTERLINE
—	PROPERTY/ROW LINE
XX.XX	SPOT ELEVATION
•XX.XX	SPOT ELEVATION TO BE VERIFIED IN FIELD
XX	FOUND POINT AS NOTED
⊙	MANHOLE
○	CLEAN-OUT
⌋	GUY WIRE
—/—	EDGE OF PAVEMENT
==	CURB & GUTTER
=====	EXISTING CMU WALL
=====	NEW CMU WALL
	RETAINING WALL
	DRAINAGE INLET
	HYDRANT
	STREET LIGHT
	STORM DRAIN MANHOLE
	CONCRETE PADS
	SINGLE POLE SIGN
	MISCELLANEOUS UTILITY COVER
	CONCRETE AREAS
	EXISTING BUILDING
	HC ACCESS LANE
	HC PARKING SIGN
	HC PARKING SYMBOL
○	CLEAN OUT
—M—	EXISTING UTILITY LINES
—▶—	PROPOSED SEWER LINE
—	CONDUIT

INV	INVERT ELEVATION
TGR	TOP OF GRATE ELEVATION
AC	FINISHED ASPHALT ELEVATION
FF	FINISHED FLOOR ELEVATION
ACP	ASBESTOS CONCRETE PIPE
TC	TOP OF CURB
FG	FINISH GRADE
FL	FLOWLINE
GV	GATE VALVE
BO	BLOW OFF VALVE ASSEMBLY
DIP	DUCTILE IRON PIPE
FS	FINISH SURFACE
LF	LINEAR FEET
UTIL	UTILITY
E'EMENT	EASEMENT
EX	EXISTING
STA	STATION
CONT	CONTRACT
RET.	RETAINING
PL	PROPERTY LINE
ELEC.	ELECTRICAL LINES
WL	WATER LINES
SS	SANITARY SEWER LINES
COMM.	COMMUNICATIONS LINES
CO.	CLEAN-OUT



APN
139-20-310-025

OWNER
Z3 ENTERPRISES LLC,
8890 SPANISH RIDGE
LAS VEGAS, NV 89148
KHALIL ZIADE, 1(702) 336-7675
LEGAL DESCRIPTION

DENCHU MARK

BASIS OF BEARING

N89 36 24 E BEING THE CENTERLINE OF VALLEY LANE LOCATED IN A PORTION OF SECTION 20, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M. AS PER BOOK 23 PAGE 45, CLARK COUNTY, NEVADA RECORDS.

THIS SITE LIES IN A FLOOD ZONE "X" AS SHOWN ON FEMA FIRM PA
32003C2160F, MAP REVISED NOVEMBER 16, 2011

1. This plan has been prepared per survey information provided by Boyd Nelson, PLS. The boundary, lot grades and elevations have been verified.
2. The exact location of the connection points at existing water lines to be determined in the field.
3. The Contractor shall review the plans prior to construction for discrepancies. The Engineer shall be notified immediately if any discrepancies found shall be addressed to the owners satisfaction. R. Lucero & Associates will not be responsible for additional charges by the Contractor.
4. The Contractor shall coordinate any changes with the Owner and the Engineer. Work shall not commence on changes until the Owner notifies the Engineer of such approved changes.
5. The Contractor shall submit drawings and construction drawings and provide set of complete as-built drawings to the engineer at the end of construction.

- ① REMOVE PLUG OR EXISTING B.O. ASSY. AND CONNECT NEW 8" PVC PIPE TO EXISTING 6" ACP PIPE.
- ② INSTALL NEW 8" PVC WATER MAIN PER UDACS PLATE #17 FOR TRENCH SECTION BACKFILL..
- ③ INSTALL NEW 1" TYPE K COPPER SERVICE LATERAL PER UDACS PLATE #3
- ④ INSTALL (1) NEW 1" WATER METER PER UDACS PLATE #3, PER DETAIL ON SHEET C2.
- ⑤ INSTALL NEW 1" PVC WATER LATERAL
- ⑥ SAWCUT, TRENCH, BACKFILL AND AC PAVEMENT RESTORATION PER CONDO #501 & 500.5.
- ⑦ INSTALL NEW 2" BLOW-OFF VALVE PER UDACS PLATE #36
- ⑧ INSTALL NEW 22 1/2" BEND PER UDACS PLATE #31.
- ⑨ INSTALL NEW 8" CV PER UDACS 2.17.01 & 2.11.01 AND PLATE #30 & #39
- ⑩ NEW 8"x6" REDUCER PER UDACS PLATE #30

SINGLE FAMILY DWELLING BASED ON:
FIRE FLOW 1570 GPM
20 PS RESIDUAL PRESSURE.

USE/OCCUPANCY: R-3 Single Family Residential

TYPE OF CONSTRUCTION (IBC):
AUTOMATIC FIRE SPRINKLERS YES/NO X
NFPA 13, 13A 130
ESFR YES/NO

SQUARE FOOTAGE: 1280

LARGEST AREA BETWEEN
4-HOUR AREA SEPARATION
WALLS: 1280

BUILDING HEIGHT: 6.00 FEET

NUMBER OF STORIES INCLUDING
BASEMENT 1 FLOOR

HIGH PILE COMBUSTIBLE STORAGE YES NO X

OF HYDRANTS INSTALLED 0 NA


LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

LVWD APPROVED FIRE FLOW: TOTAL 1500 GPM @ 20 PSI RESI

MAXIMUM AVAILABLE FIRE SPRINKLER FLOW: N/A GPM

Call

Overhead	
1,702,227,2020	

CLV DWG # I 19-01065

(703) 593

L	L	"=20'	N/A	E: /19
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11/11/2011

SHEET
C3

17

CONCLUSIONS

