

EXISTING TRILOGY SINGLE FAMILY HOMES

US RENTAL DEVELOPMENT

LOT 1  
FUTURE RETAIL DEVELOPMENT

EXISTING EVERGREEN  
APARTMENT  
COMPLEXES

EDUCATION STATION

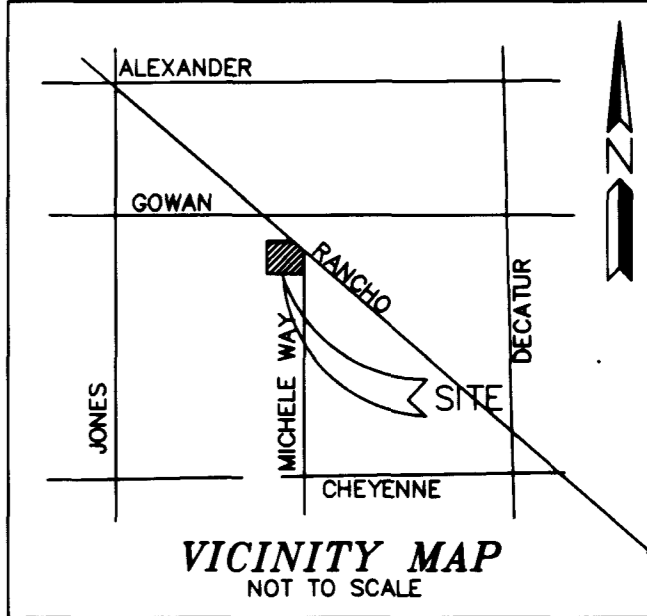
MICHAEL WAY

LEGEND AND ABBREVIATIONS

	EXISTING	PROPOSED
CURB AND GUTTER	=====	=====
PROPERTY LINE	P.L. -----	-----
WATER LINE	-----W-----	-----W-----
SEWER LINE	-----S-----	-----S-----
WATER METER	WM	-----
FIRE HYDRANT	FH	-----
STREET LIGHT	SL	-----
SEWER MANHOLE	SMH	-----
TOP OF RIM	T. RIM	-----
TOP OF CLEANOUT	T. CO	-----
EXISTING	EX. OR EXIST.	

CALL BEFORE YOU DIG  
1-800-227-2600  
UNDERGROUND SERVICE, U.S.A.

UNDERGROUND UTILITY NOTICE:  
THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OF FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OF STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATIONS.



ESTIMATE OF SEWER & WATER QUANTITIES

SEWER	QUANTITIES
④ 6" PVC SEWER LINE (PRIVATE)	126 LF ±
⑤ 4" CLEANOUT (PRIVATE)	1 EA

WATER	QUANTITIES
<b>PUBLIC</b>	
① 15'x20' EASEMENT TO L.V.V.W.D.	1 EA.
② FIRE HYDRANT ASSY. PER U.D.S. PL. NO. 7	1 EA.
③ 1 1/2" COPPER WATER LINE	22 LF ±
④ 1 1/2" SERVICE SADDLE	1 EA
⑤ 1 1/2" WATER METER ASSY PER U.D.S. PL. NO. 1D	1 EA
<b>PRIVATE</b>	
⑥ 4" DCDA, FEBCO MODEL NO. 876	1 EA.
⑦ 1 1/2" RPPA, U.D.S. PLATE NO. 11A	1 EA
⑧ 2" PVC WATER LINE	80 LF
⑨ 6" PVC WATER LINE	84 LF

SEWAGE FLOW  
AVERAGE DAILY FLOW = 1000 GAL./DAY  
PEAK FLOW = 3400 GAL./DAY

FIRE FLOW CALCULATION  
FIRE FLOW REQUIREMENT IS 1500 GPM (MINIMUM) AT 20 PSI RESIDUAL.  
BASED ON:  
SQUARE FOOTAGE = 6,128 sq ft  
BUILDING HEIGHT = 13'-6"  
TYPE OF CONSTRUCTION = V-N  
SPRINKLER SYSTEM = YES

NOTES  
1. FOR WATER LINE TRENCHING, REFER TO CLV. UNIFORM STD. DWG. NO. 503. FOR SEWER LINE TRENCHING, REFER TO 50. NEVADA DESIGN AND CONST. STDS. FOR WASTE WATER COLLECTION SYSTEM DWG. NO. SD-10B.  
2. REMOVE AND RECONSTRUCT EXISTING PAVING IN CROSS HATCH AREA AS FOLLOWS: MACHINE LAID PAVEMENT REPLACEMENT, 18 FEET MIN. WIDTH; FOG SEAL OVER 4" MIN. THICKNESS A.C. AND BACKFILL PER STD. DWG. 503.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY 4"  
The double check detector assemblies shall be installed in accordance with the UDACS Plate 208.  
Any block wall or other fence material shall be designed and constructed around the outside of the easement(s), so as to allow the District direct access from the adjacent right-of-way.  
6" x 4" REDUCER ON SLAB

REDUCED PRESSURE PRINCIPLE ASSEMBLY 1 1/2"  
Approved Reduced Pressure Principle Assembly(s) shall be installed per the UDACS Plate No. 11A. No water shall be taken from a service requiring backflow prevention until the reduced pressure principle assembly has been successfully tested by the LVVWD.  
Any block wall or other fence material shall be designed and constructed around the outside of the easement(s) to allow the District direct access from the adjacent right-of-way.

LB Engineering  
LEONARD BRUNO  
940 S. MARTIN L. KING  
LAS VEGAS, NV. 89106  
(702) 382-7559

REV	BY	DATE	DESCRIPTION
1	AB	8-8-97	REVISE WATER LINE SIZE @ 15'x20' TO 6"
2	AB	8-8-97	ADD 1 1/2" WATER METER WEST SIDE

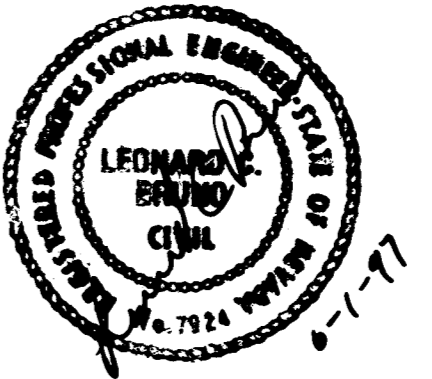
OWNER/DEVELOPER: MIKE OTERO  
EDUCATION STATION  
PN 138-12-301-006

UTILITY PLAN

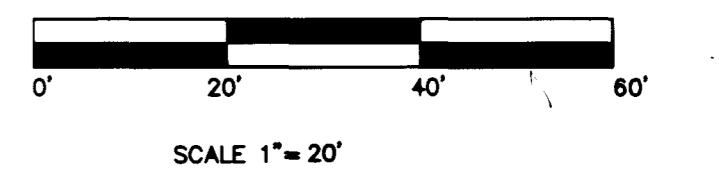
PROJECT NAME: EDUCATION STATION

This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is NOT APPROVED FOR CONSTRUCTION at this time and this signature does not provide or imply a water commitment.

LVVWD [Signature] 3/3/197  
DATE



APPROVED FOR CONSTRUCTION  
[Signature] 6/19/97  
LAS VEGAS VALLEY WATER DISTRICT DATE



DRAWING NO. C3  
SHEET 3 OF 3

