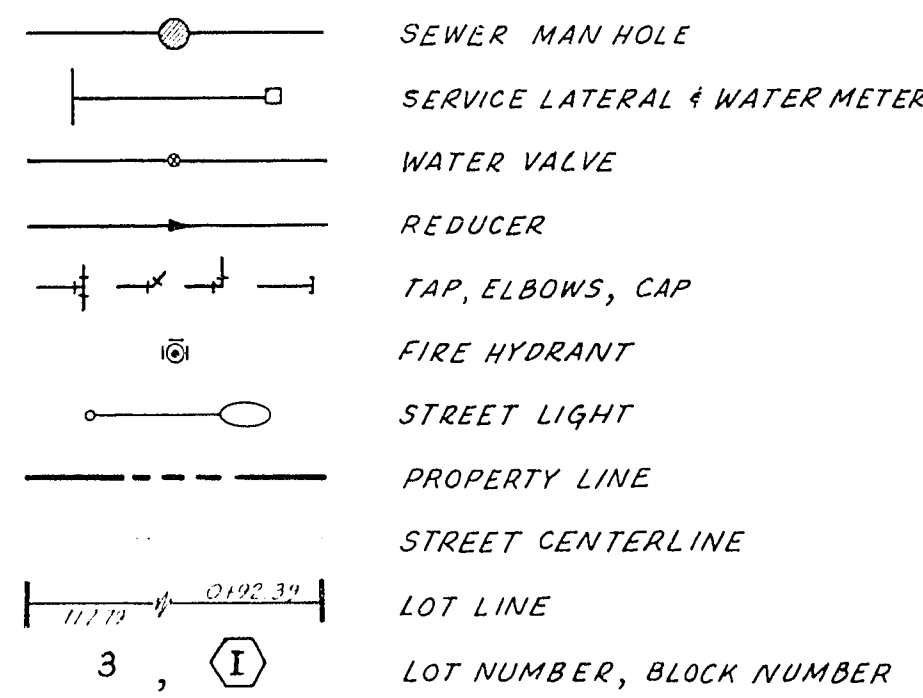


**LEGEND**

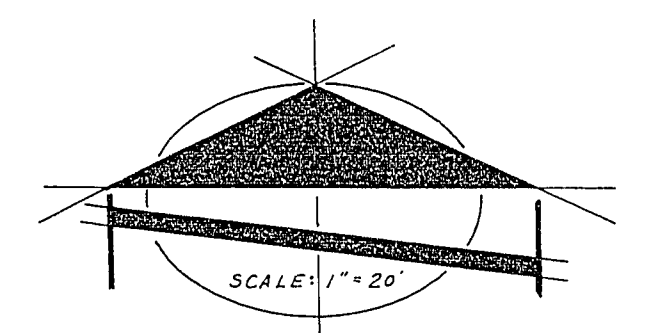


**JOHNSON AVENUE**

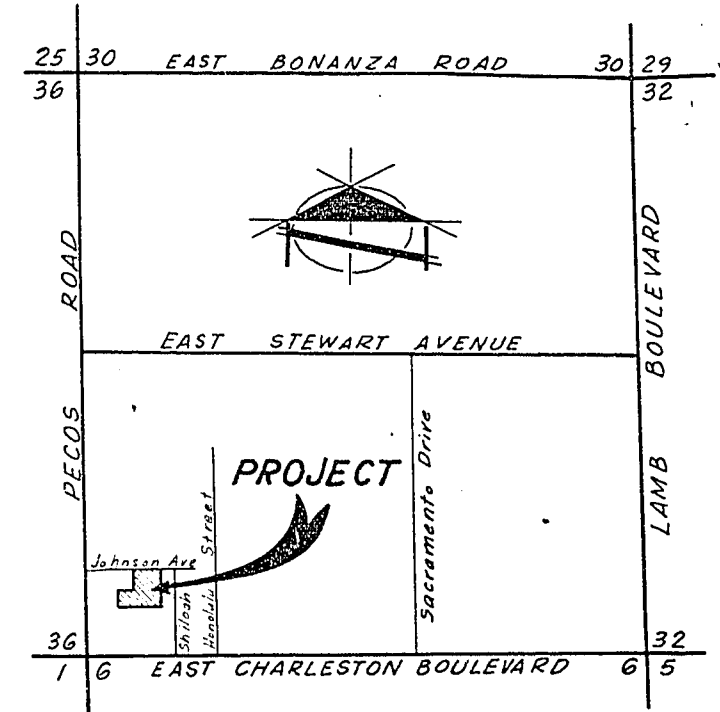
**AVENUE**

**COURT**

**GOLD**



**BENCH MARK**  
 B.M. # 0823/CI-ON THE NORTHWEST CORNER OF JOHNSON AVENUE AND HONOLULU STREET.  
 ELEVATION = 1776.25 C.L.V. DATUM



**VICINITY MAP**  
 NOT TO SCALE

**WATER LINE NOTES & QUANTITIES**

- All work to conform to Las Vegas Valley Water District standard plates.
- All work, except as modified hereon or by Note No. 1 shall be done in accordance with the most current draft or edition of the Uniform Standard Specifications for Public Works Construction Off-site Improvements Clark County Area.
- Notice to be given Engineering Department of the Las Vegas Valley Water District 48 hours prior to actual construction.
- Service saddles or tapped collars will be required on all services, double tap collars are not permitted.
- All lines to be pressure tested to 200 psi.
- All valve boxes shall have concrete collars at surface of paved areas.
- Deflection angle shall not exceed 2 1/2 degrees per 13 foot section of pipe for pipe sizes smaller than 14 inches and shall not exceed 2 degrees for pipe sizes between 14 and 16 inches.
- All meters shall be located outside of driveways.
- Detector tape required in accordance with Standard Plate No. 27 where indicated and as follows:
  - Over all mains not installed at 6 feet from back of curb.
  - Over all service laterals not installed at right angles to mains.

① 8" ACP WATER LINE	89 LF
② 5" ACP WATER LINE	150 LF
③ 4" ACP WATER LINE	211 LF
④ 1 1/2" SERVICE LATERALS	15 LF
⑤ 1" SERVICE LATERALS	158 LF
⑥ STANDARD FIRE HYDRANT ASSEMBLY	1 EACH
⑦ 8" x 8" STANDARD TEE WITH THRUST BLOCK	1 EACH
⑧ 8" N.R.S. GATE VALVE WITH VALVE BOX & COVER	1 EACH
⑨ 8" CAP & PLUG	1 EACH
⑩ 8" TO 6" REDUCER WITH ANCHOR BLOCK	2 EACH
⑪ 6" TO 4" REDUCER WITH ANCHOR BLOCK	1 EACH
⑫ 6" N.R.S. GATE VALVE WITH VALVE BOX & COVER	1 EACH
⑬ 6" x 6" STANDARD TEE WITH THRUST BLOCK	1 EACH
⑭ 4" 90° ELBOW WITH THRUST BLOCK	1 EACH
⑮ 4" CAP & PLUG	1 EACH
⑯ 2" BLOW-OFF ASSEMBLY	1 EACH
⑰ 1 1/2" SERVICE TAPS	1 EACH
⑱ 1" SERVICE TAPS	7 EACH
⑲ 1 1/2" WATER METER	1 EACH
⑳ 1" WATER METER	7 EACH
㉑ 4" N.R.S. GATE VALVE WITH VALVE BOX & COVER	1 EACH

**FIRE HYDRANT NOTES**

- All work shall be done in strict accordance with City of Las Vegas Standard Specifications.
- All work shall be done in strict accordance with the City of Las Vegas Fire Department "Hydrant Specifications" and "Hydrant Installation Specifications".
- On any new home or building construction, accessible fire hydrants shall be installed before actual construction commences and said fire hydrants shall be in good working order with an adequate water supply.
- Painting of the curbs and/or stripping of asphalt protection of hydrants from physical injury per City Fire Department "Hydrant Installation Specifications" shall be completed before approval of the hydrants by the City of Las Vegas Fire Department can be obtained.

**SEWER LINE NOTES**

- All construction and materials shall be in accordance with the Design and Construction Standards of the City of Las Vegas and the Uniform Standard Specifications for Public Works' Construction Off-Site Improvements, Clark County Area, Nevada, 1978. In all cases, the City's criteria shall supersede the Uniform Standard Specifications.
- City of Las Vegas drawings shall apply to all construction.
- Sewer mains only to be laid in sewer trenches.
- All 4" house laterals to be laid at not less than minimum slopes.
- 
- It shall be the contractor's responsibility to perform construction as per plans. Any additions, deletions, or changes shall first meet with the approval of the City of Las Vegas.
- If a lateral is under a driveway, concrete slab, or A.C. area, a cleanout shall be installed and raised to grade with a slotted brass cap or within a water meter box which has a metal cover marked "Sew. C.O."
- Cut sheets must be submitted to the City before construction will be permitted to start.
- All contractors installing sewer mains which will be under jurisdiction of the City of Las Vegas must be Class "A" contractors.
- Construct Concrete Collars per Standard Drawing No. 512.9.

ITEM	QUANTITY
SEWER MANHOLES	3 EACH
8" VCP SEWER LINE	505 LF
CLEANOUT	8 EACH (ON-SITE)
4" SERVICE LATERALS	200 LF (OFF-SITE)

**STREET LIGHT NOTE & QUANTITIES**

All street lighting installations shall conform to the latest issue of the Standard Details and Specifications of the City of Las Vegas, and shall also conform to the Uniform Standard Specifications for Public Works Construction of Off-Site Improvements, Clark County Area, 1978, unless otherwise noted.

○	100 WATT H.R.S. STREET LAMP	4 EACH
■	3 1/2" PULL BOX - CONCRETE, WITH CAST IRON COVER	1 EACH
—	1 1/2" PVC CONDUIT	618 LF
⊙	30" STOP SIGN	1 EACH
L	6" STREET NAME SIGN	1 EACH

**UTILITY NOTE**

The location of underground utilities shown hereon has been determined from surface evidence of their existence or 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 or structures with the utility companies prior to commencing any excavation.

**GENERAL NOTE**

All construction and materials shall be in accordance with the "Uniform Standard Specifications for Public Works Construction Off-Site Improvements, Clark County Area Nevada", issued 1978; the "Uniform Standard Drawings for Public Works Construction, Clark County Area"; any other applicable approved standards issued by the controlling agency; the Uniform Building Code; and all Local City Codes and Ordinances Applicable.

**APPROVALS**

<i>[Signature]</i>	C.L.V. SANITATION ENGINEER	12-11-81	DATE
<i>[Signature]</i>	C.L.V. FIRE MARSHALL	12-9-81	DATE
<i>[Signature]</i>	C.L.V. QUALITY CONTROL ENGINEER	12-23-81	DATE
N/A	C.L.V. FIELD OPERATIONS ENGINEER		DATE
	LAS VEGAS VALLEY WATER DISTRICT		DATE
	C.L.V. CITY ENGINEER	12-23-81	DATE

PREPARED FOR: GENE BUCKLEY  
 DATE: OCT. 1981  
 DESIGN: BAUGHMAN & TURNER  
 DRAWN: MINING ENGINEERS  
 CHECK: LAND SURVEYORS  
 SCALE: LAS VEGAS, NEVADA  
 3335 WEST CHARLESTON BOULEVARD  
 702-820-8771  
**WATER & SEWER PLAN**  
 A PORTION OF THE SW 1/4 OF SECTION 31, TOWNSHIP 20 SOUTH, RANGE 02 EAST, M.D.B. 14, CLARK COUNTY, NEVADA  
 SHEET 12 OF 12  
 PROJ. NO. FB 156, P. 67

29-4-19 107-V1241A