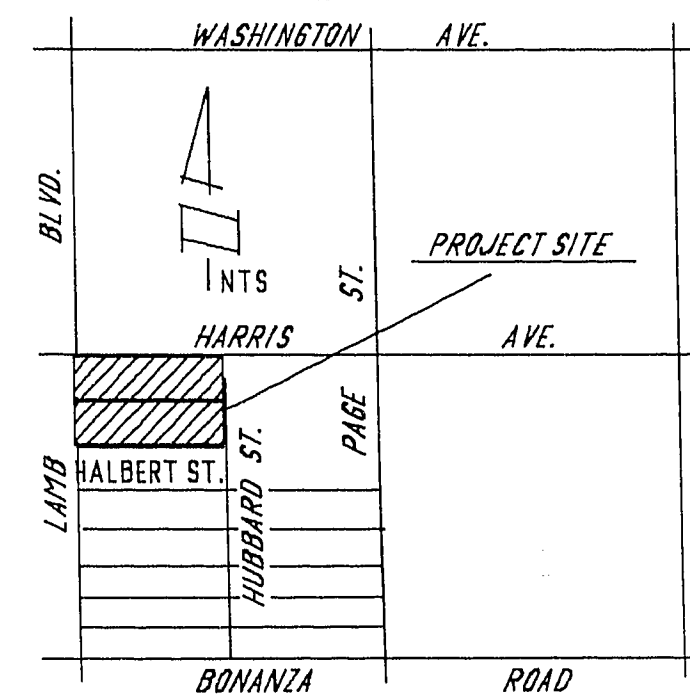


ABANDONMENT OF EXISTING SERVICE(S) - 2" AND SMALLER
Existing service laterals that are to be abandoned from existing water main shall have the corporation stop turned off at the main, the lateral cut 6" downstream from the corporation stop and again cut 6" downstream from the downstream end so that a 6" piece of the existing service lateral is removed. If the corporation stop is damaged beyond repair or pulled from the existing water main, the main shall be repaired at the Contractor's expense, in a manner approved by the LVWD. If the corporation stop is not water tight, the Contractor shall notify LVWD Customer Service (phone 870-4134) for further direction.
The contractor shall remove the existing service meter box and appurtenances, fill and grade any and all resulting voids and replace or restore to original conditions or better, all landscaping, irrigation systems, concrete, concrete sidewalks, asphalt, or any other items damaged or removed during the removal of the existing service meter box.

LAS VEGAS FIRE DEPARTMENT
FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL
BASED ON:
SQUARE FOOTAGE -- 2400 SQ. FT. DUEL HOUSES 1200 SQ. FT. EA.
LARGEST AREA BETWEEN WALLS -- 8" - 1 HOUR FIRE WALL
HEIGHT -- 15 FEET, SINGLE STORY
TYPE OF CONSTRUCTION -- WOOD
EXPOSURE --
SPRINKLER SYSTEM -- NO
OCCUPANCY -- SINGLE RESIDENCE
REVIEWED BY: *[Signature]*
DATE: 1-30-92

SCALE: 1" = 30'
ABANDON WATER LINE NOTE
WATER DISTRICT RECORDS SHOW 8" LINE WAS INSTALLED BUT NEVER ACCEPTED. EXACT LOCATION UNKNOWN BUT NEVER ACCEPTED. THIS LINE MAY BE IN CONFLICT WITH PROPOSED INSTALLATION (HARRIS AVE.)



VICINITY MAP
A PORTION OF THE SOUTHWEST 1/4 OF SECTION 29, TOWNSHIP 20 S., RANGE 62 E., M.D.B.&M.

APPROVALS

[Signature] 1-31-92
LAS VEGAS VALLEY WATER DIST. DATE
[Signature] 1-30-92
CITY LAS VEGAS FIRE DEPT. DATE



ESTIMATED QUANTITIES

- 1 6" 90 ELBOW 1 EACH
- 2 8" PVC WATER LINE 310 LF
- 3 5/8" WATER METER 48 EACH
- 4 3/4" COPPER LINE 460 LF
- 5 8" VALVE WITH 2" B.O. 1 EACH
- 6 FIRE HYDRANT 1 EACH
- 7 ASSEMBLY 2 EACH
- 8 8" TO 6" REDUCER 2 EACH
- 9 6" PVC WATER LINE 300 LF

NOTE (SEE NOTE ABANDONMENT OF EX. LATERALS)
ON HALBERT STREET THERE ARE 17 EXISTING SEWER AND WATER LINES. THE SEWER ARE STATIONED AND DASHED ON THIS PLAN. THE WATER MAY BE FIELD LOCATED SINCE THIS INFORMATION IS ONLY ON PHASE 9 DESIGN DRAWINGS.

ESTIMATED QUANTITIES (SEWER)

- 8" PVC SEWER LINE 642 LF
- MANHOLES LESS THAN 6' 3 EACH
- 4" DIA. LATERALS 800 LF

CITY OF LAS VEGAS
FIRE DEPARTMENT NOTES

- All work shall be done in strict accordance with the City of Las Vegas Fire Department Hydrant Specifications, Hydrant Installation Specifications and Ordinance #3545
- Authorized hydrants for this project are:
A. Kennedy Guardian
B. Mueller A-425 Century
C. Clow Model 2546 McJannet
- On any new home or building installation, accessible fire hydrant shall be installed to fire department construction commences and said fire hydrants shall be in good working order with an adequate water supply.
- Contractor shall place a blue reflective marker at center line of street adjacent to fire hydrant as required in Ordinance #3545 to identify fire hydrant locations.

- Call the Las Vegas Building Department at 795-2071 for underground inspection, pressure and flush verification of all fire hydrants and fire lines before covering.
- Painting of the curbs and hydrant and any work necessary for protection of hydrants from physical damage per Ordinance #3545 shall be completed before approval by the City of Las Vegas Fire Department.
- A permit is required from the Fire Department for on-site water line and fire hydrant. The permit and contractors material and test certificate for underground piping form shall be obtained from the Fire Protection Engineer prior to any work beginning.
- A flow test must be witnessed by the Fire Department prior to occupancy for verification of required on-site water supply.
- All on-site fire main materials must be U.L. listed and F.M. approved.
- Fire hydrant spacing:
Residential - 500 feet unsprinklered, 600 feet sprinklered
Commercial, including multi-family - 300 feet unsprinklered, 400 feet sprinklered.

- Fire hydrant shall be located within the required radius of 450 feet or within 150 feet of the perimeter of the radius of the cul-de-sac.
- No fire hydrant shall be located within 6 feet of any curb return, driveway, power pole, street light or any other obstruction.
- Not more than 2 hydrants can be out of service due to a single main break.
- The turning radius for any fire apparatus access road and/or fire lane, public or private shall be not less than 45 feet outside radius and 22 feet inside radius.
- A fire apparatus pad shall be required when any portion of an exterior wall of the first story is located more than 150 feet from a fire department vehicle access. (See exceptions in UFGCB, Section 10.207).
- All dead end fire apparatus access roads and/or fire lanes, public or private in excess of 150 feet in length shall be provided with an approved turnaround area. See Ordinance #3545

DATE: 12/89
DATE REVISED: 1/91

REVISIONS	DATE	DESCRIPTION	APPR.
1	9/10/92	STA LATERALS ON HARRIS	

KENNETH D. FARRINGTON, P.E., PLS.
4150 PECOS ROAD
LAS VEGAS, NEVADA
434-7366
ENGINEERS & SURVEYORS

MASTER WATER PLAN AND SEWER PLAN
BOULDER HEIGHTS ADDITION TRACT 1, BLOCK A
CLARK COUNTY, NEVADA

DRAWN BY:
C. GREEN
SCALE: 1" = 30'
SHEET:
3
OF
6

"As Built" 307Y-980A-1-11

21-6 95