

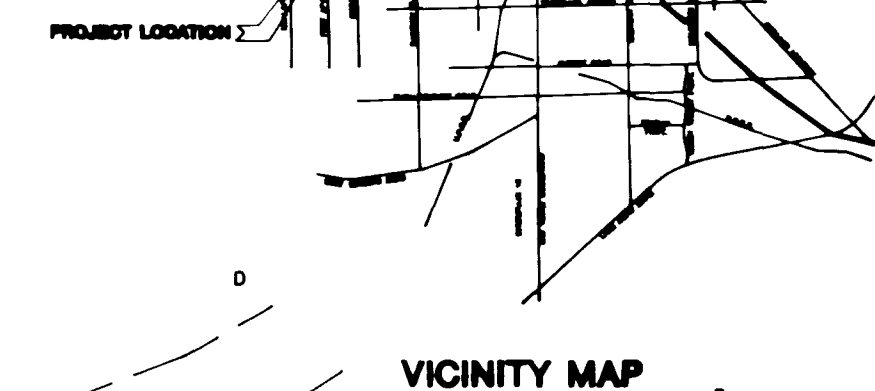
NOTE:

EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

BENCHMARK

CLV BM # 24/1LV105SWS
RIVET & PLATE IN CURB, NE QUAD. OF
FORT APACHE & SAHARA

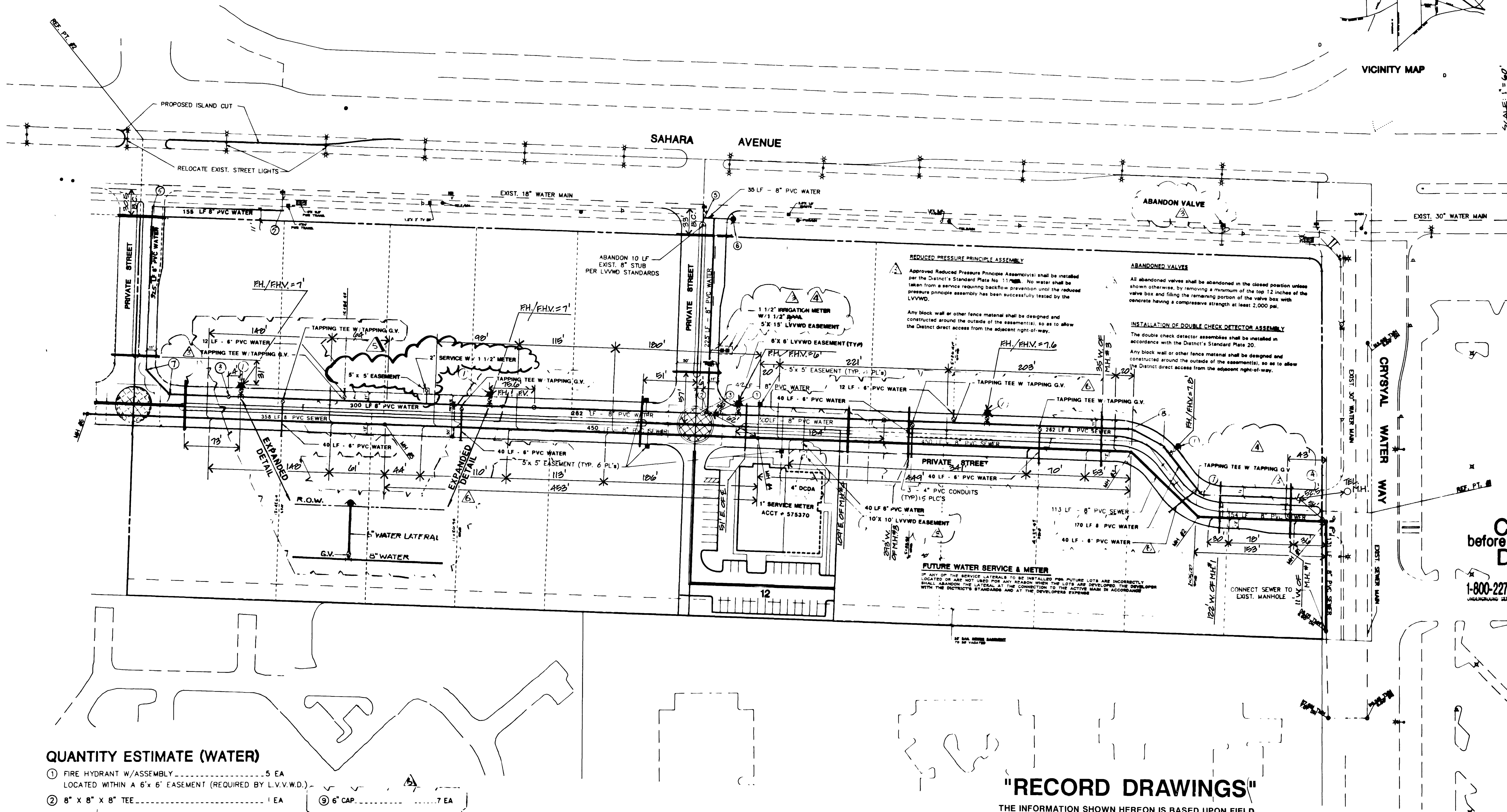
ELEVATION = 2786.505



VICINITY MAP

SCALE: 1"=60'

REVISION	DATE	BY	REASON
1	10/19/96	LCA	REVISED 1" BLOWOFF
2	11/12/96	LCA	ADD 6" WATER MAIN 5114'
3	12/13/96	LCA	REVISED PRIVATE DRIVE WIDTH & ALL UTILITIES ADD MEDIAN
4	1/14/97	LCA	REVISED PHASE LINES; REV. QUANTITIES FOR
5	1/14/97	LCA	SEWER & WATER (L.V.V.W.D.)
6	1/14/97	LCA	ELIMINATE VERT. TAP INTO 30" DEVIATE 11' VERT.
7	1/14/97	LCA	ELIMINATE VERT. TAP INTO 30" DEVIATE 11' VERT.
8	1/14/97	LCA	ADD 2" IRON 1/2" METERS WITH 1/2" & 5/8" GASHT.
9	1/14/97	LCA	ADD 2" IRON 1/2" METERS WITH 1/2" & 5/8" GASHT.
10	1/14/97	LCA	DELETED 18" WATER & RELOCATED 18" WATER
11	1/14/97	LCA	ADDED 24" SERVICE WITH 1/2" & 5/8" GASHT.



REDUCED PRESSURE PRINCIPLE ASSEMBLY

Approved Reduced Pressure Principle Assembly shall be installed per the District's Standard Plate No. 117. 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), so as to allow the District direct access from the adjacent right-of-way.

ABANDONED VALVES

All abandoned valves shall be abandoned in the closed position unless shown otherwise, by removing a minimum of the top 12 inches of the valve box and filling the remaining portion of the valve box with concrete having a compressive strength of at least 2,000 psi.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY

The double check detector assemblies shall be installed in accordance with the District's Standard Plate 20.

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.

FUTURE WATER SERVICE & METER

IF ANY OF THE SERVICE LATERALS TO BE INSTALLED FOR FUTURE LOTS ARE INCORRECTLY LOCATED OR ARE NOT USED FOR ANY REASON WHEN THE LOTS ARE DEVELOPED, THE DEVELOPER SHALL ABANDON THE LATERAL AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND AT THE DEVELOPER'S EXPENSE.

Call before you Dig.
1-800-227-2800
UNDERGROUND SERVICE (USA)

QUANTITY ESTIMATE (WATER)

- 1 FIRE HYDRANT W/ASSEMBLY 5 EA
LOCATED WITHIN A 6'x 6' EASEMENT (REQUIRED BY L.V.V.W.D.)
- 2 8" X 8" X 8" TEE 1 EA
- 3 8" GATE VALVE 3 EA
- 4 8" CAP W/2" BLOWOFF 1 EA
- 5 8" 90° ELBOW 3 EA
- 6 TEMPORARY FIRE HYDRANT 1 EA
- 7 48" ELBOW 3 EA
- 8 22 1/2" ELBOW 2 EA
- 9 1" METER FROM LVVWD 1 EA
- 10 1" SERVICE LATERAL 21 LF
- 11 3/4" METER FROM L.V.V.W.D. 3 EA
- 12 8" WATER MAIN 2064 LF
- 13 3/4" SERVICE LATERAL 112 LF
- 14 4" PVC CONDUITS 1169 LF
- 15 1 1/2" IRRIGATION METER 1 EA

- 1 6" CAP 7 EA
- 2 6" WATER MAIN 224 LF
- 3 6" GATE VALVE 2 EA

MANHOLE CONTROL TABLE

M.H. #	NORTHING	EASTING
1	4489.3373	7827.6779
2	4494.9379	7674.2712
3	4572.9598	7592.8675
4	4589.3775	7143.1671
5	4605.7952	6693.4667
6	4618.1536	6354.9559
REFERENCE POINTS		
1	4500.3258	7883.0138
2	4948.8137	6402.0510

"RECORD DRAWINGS"

THE INFORMATION SHOWN HEREON IS BASED UPON FIELD MEASUREMENTS PROVIDED BY LONGLEY CONSTRUCTION RECEIVED FEB. 11, 1997

QUANTITY ESTIMATE (SEWER)

- 4" DIAMETER MANHOLE 4 EA
- 8" SEWER MAIN (PUBLIC) 1 EA
- 4" SEWER LATERALS 2 LF

NOTE: THESE QUANTITIES ARE ONLY ESTIMATES, CONTRACTOR TO VERIFY.

APPROVAL

James B. ...
S.A. VEGAS VALLEY WATER DISTRICT

J. ...
CLV FIRE DEPARTMENT

DATE: 4/1/97

DATE: 3/31/94

21 60 08



ESI ENGINEERS AND SURVEYORS INC.
2100 S. ...
LAS VEGAS, NV 89102

DATE: 3/31/94
SHEET: 7 OF 8
SCALE: 1"= 60'

"As Built"

107-V2196