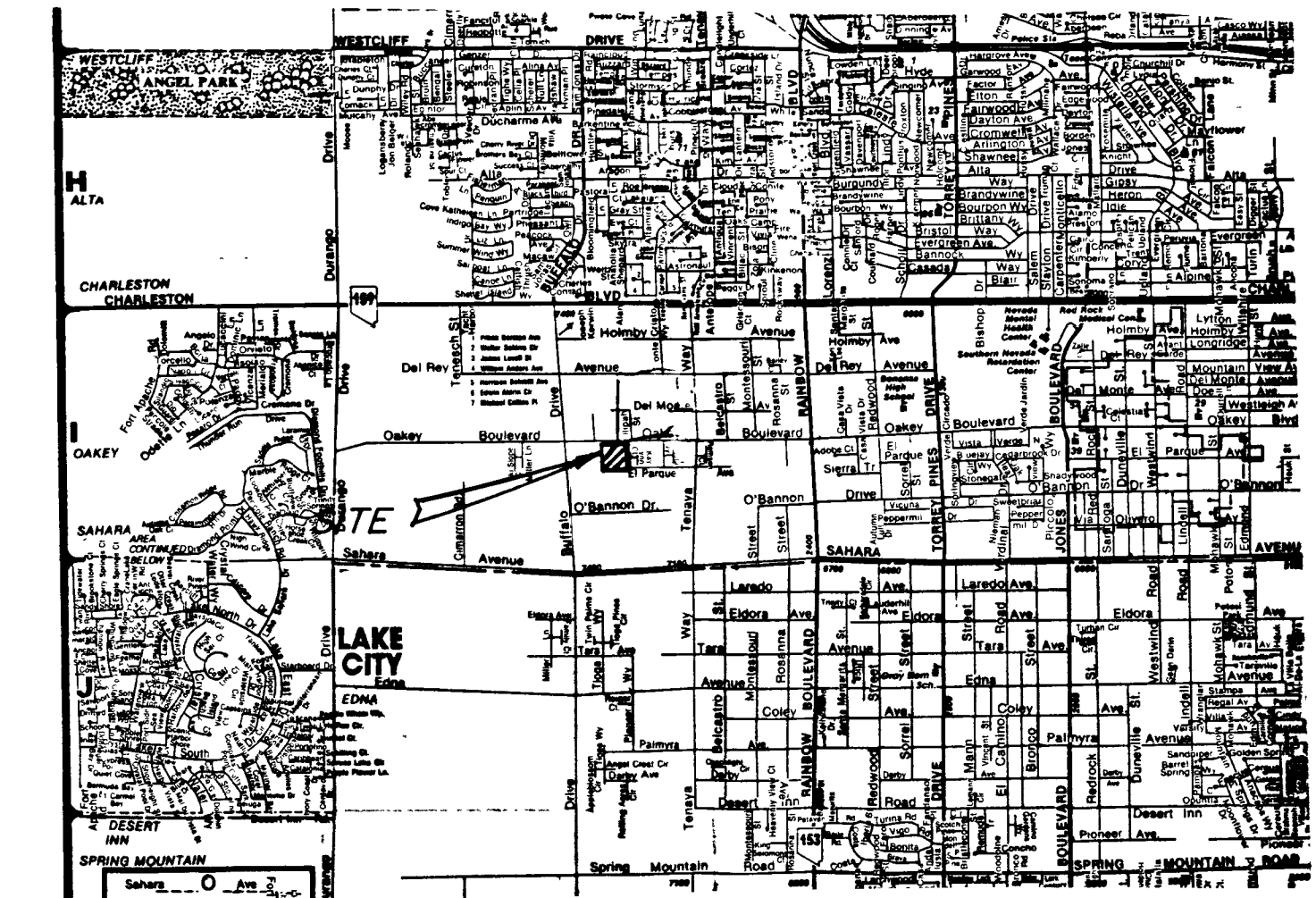
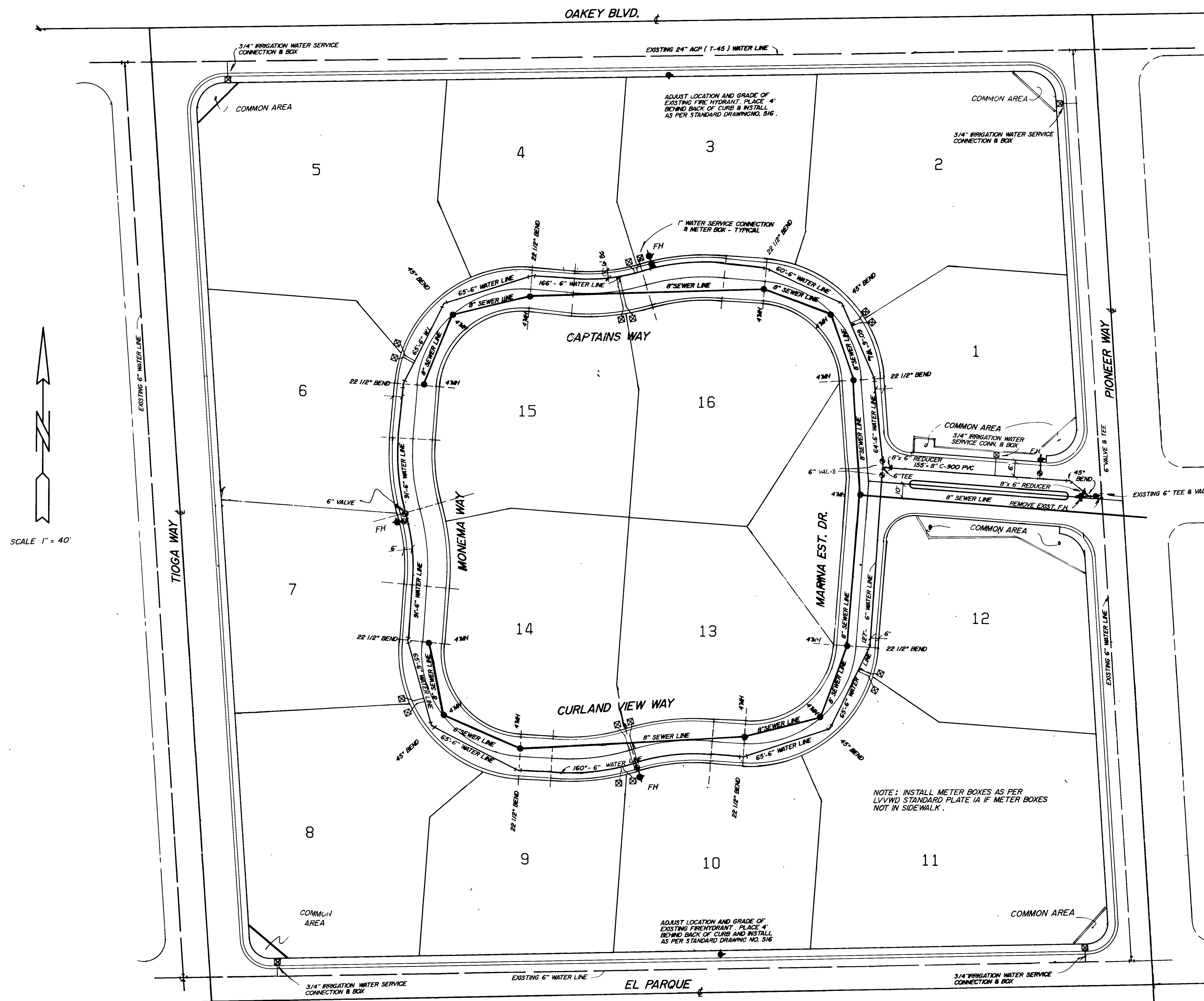


MARINA ESTATES

A PORTION OF SECTION 3, T.21 S., R.60 E.,
M.D.B. & M.
CLARK COUNTY, NEVADA



VICINITY MAP

GENERAL NOTES

- All work to conform to Las Vegas Valley Water District latest Standard Plates and Specifications.
- All work, except as modified hereon or by Note No. 1, shall be done in accordance with the most current draft or edition of Uniform Standard Specifications for Public Works Construction Offsite 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 3/4" and 1" service laterals. Service saddles only will be permitted on 1 1/2" and 2" service laterals. Double tapped collars are not permitted.
- All lines to be pressure tested to 200 psi.
- Deflection angle shall not exceed 2 1/2" per 13 foot section of pipe for pipe sizes smaller than 14 inches, and shall not exceed 2" for pipe sizes between 14" and 16".
- 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.
- CALL BEFORE YOU DIG -- 1-800-227-2600.
- Service laterals for FOUR 3/4" SERVICES will be tapped on existing main by owner's contractor under direction of the Las Vegas Valley Water District.

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 #3318.
- Authorized hydrants for this project are:
 - Kennedy Guardian
 - Mueller A-423 Centurian
 - Clow Model 2546 Medallion
- On any new home or building construction, accessible fire hydrants shall be installed before combustible construction commences, and said fire hydrants shall be in good working order with an adequate water supply.
- Contractor shall place a green reflective marker at centerline of street adjacent to fire hydrants.
- Call the Las Vegas Fire Department at 383-2888 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 #3318 shall be completed before approval by the City of Las Vegas Fire Department.
- A permit is required from the Fire Department for water line and fire hydrant installations on the private side of the meter.
- A flow test must be witnessed by the Fire Department for verification of on-site water supply.
- All onsite fire main materials must be U.L. listed and F.M. approved.
- Fire hydrant spacing: Residential - 600 feet Maximum; Commercial, including multi-family - 500 feet Maximum
- Fire hydrants shall be located within 500 feet of any construction or combustible open storage.
- No fire hydrant shall be located within the required radius of a cul-de-sac or within 20.00 feet of the perimeter of the radius of the cul-de-sac.
- No fire hydrant shall be located within six (6) feet of any curb return, driveway, power pole, street light or any other obstruction.
- Ensure that fire hydrants are connected to a dependable water supply capable of supplying the required fire flow. **6520**

QUANTITIES

- 6" WATER LINE-C-900 PVC 1209 L.F.
- FIRE HYDRANT ASSEMBLY 4 EACH
- REMOVE EX. F.H. 1 EACH
- 6" VALVES 7 EACH
- BENDS (4 - 45°, 8 - 22 1/2°) 12 EACH
- 6" TEES 4 EACH
- 1" WATER SERVICE CONN. 16 EACH
- ADJUST EXIST F.H. 2 EACH
- 3/4" WATER SERVICE CONN. (H.R.) 3 EACH
- 8" WATER LINE C-900 PVC 155 L.F.

FLOW REQUIREMENTS

18 X 15 X (3510) 1/2" = 1600 GPM

3500 SQUARE FEET IS THE AVERAGE ESTIMATED SIZE OF HOMES FOR THIS SUBDIVISION.

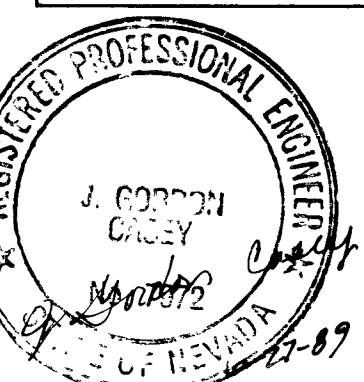
APPROVALS:

[Signature] 10/26/87
City Of Las Vegas Fire Department Date
[Signature] 11/1/87
Las Vegas Water District Date

MARINA ESTATES

MASTER WATER PLAN

CASEY & ASSOCIATES
CIVIL ENGINEERING - PLANNING - SURVEYING
4150 WEST PIONEER SUITE C
LAS VEGAS, NEVADA 89102
367-6040



Date: 1-15-90
Drawn by: JLC
Checked: MLC
Job No:

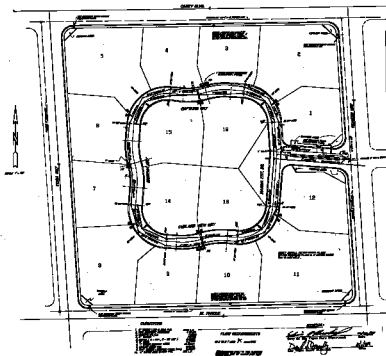
Revisions
1-15-90
CHG. ROAD LAYOUT

Sheet No.
11 OF 15

5677-4084

MARINA ESTATES

A PORTION OF SECTION 3, T.81 S., R.60 E.,
M.D.B. 8 M.
CLARK COUNTY, NEVADA



NEIGHBOR MAP

1. The lots shown on this map are subject to the following conditions:
2. The lots shown on this map are subject to the following conditions:
3. The lots shown on this map are subject to the following conditions:
4. The lots shown on this map are subject to the following conditions:
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18. The lots shown on this map are subject to the following conditions:
19. The lots shown on this map are subject to the following conditions:
20. The lots shown on this map are subject to the following conditions:

MARINA ESTATES

MARINA ESTATES

MARINA ESTATES



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

17 18

17 18