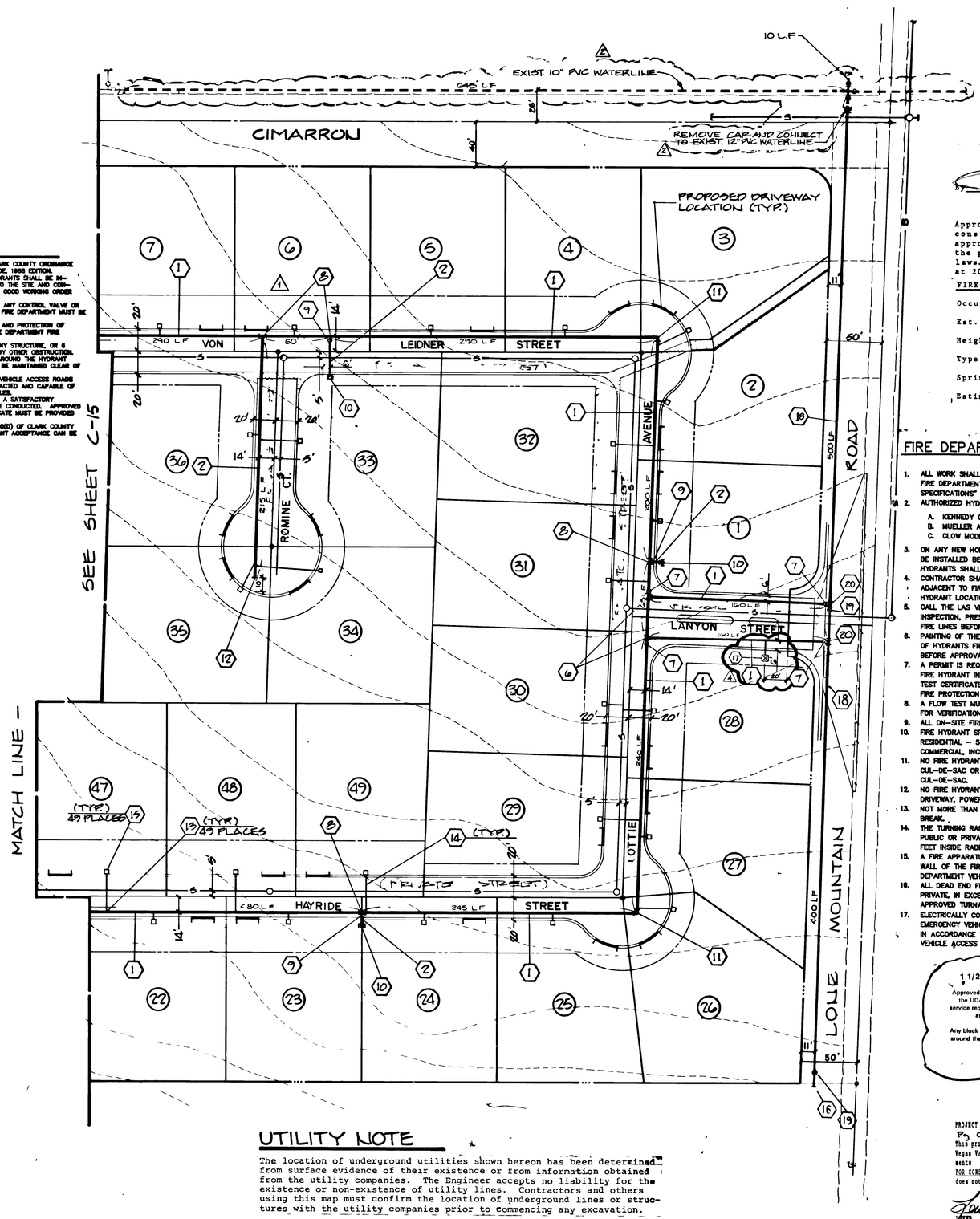


FIRE HYDRANT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH CLARK COUNTY ORDINANCE #1167, NFPA #24, 1987 EDITION AND THE UNIFORM FIRE CODE, 1988 EDITION.
2. ON ANY BUILDING CONSTRUCTION SITE, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE SITE AND CONSTRUCTION COMMENCES. SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH ADEQUATE WATER SUPPLY.
3. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A A HYDRANT OUT OF SERVICE, THE CLARK COUNTY FIRE DEPARTMENT MUST BE CONTACTED.
4. PAINTING OF CURBS AND/OR STRIPPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY, PER CLARK COUNTY FIRE DEPARTMENT FIRE HYDRANT INSTALLATION/SPECIFICATIONS HANDOUT.
5. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS CENTER SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES.
6. AT ALL TIMES DURING CONSTRUCTION SUITABLE EMERGENCY VEHICLE ACCESS ROADS MUST BE MAINTAINED. ROADWAYS MUST BE SMOOTH, COMPACTED AND CAPABLE OF SUPPORTING THE IMPOSED LOADS OF ALL EMERGENCY VEHICLES.
7. PRIOR TO ACCEPTANCE OF ANY PRIVATE FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION.
8. BLUE REFLECTIVE MARKERS INSTALLED PER SECTION 13.04.130(D) OF CLARK COUNTY ORDINANCE #1167, MUST BE PROVIDED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED.

APPROVED

A/D.F.M. 12/21/94
Date

Approval of these plans shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of the state or county laws. Fire flow 1500 GPM at 20 P.S.I. residual.

FIRE DEPARTMENT DATA

Occupancy: Single Family Residence

Est. Square Footage: 3,000

Height: 2 Story

Type of Construction: Type V-NR

Sprinkler System: No

Estimated Fire Flow: 1,500 GPM

FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ABCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE #3677.
2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
   A. KENNEDY GUARDIAN
   B. MUELLER A-423 CENTURIAN
   C. CLOW MODEL 2546 MEDALLION
3. ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING WITH AN ADEQUATE WATER SUPPLY.
4. CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE #3677 TO IDENTIFY FIRE HYDRANT LOCATIONS.
5. CALL THE LAS VEGAS BUILDING DEPARTMENT AT 229-2971 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
6. PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE #3677 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANT INSTALLATIONS. 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.
8. A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
9. ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
10. FIRE HYDRANT SPACING:
    RESIDENTIAL - 500 FEET UNSPRINKLERED, 600 FEET SPRINKLERED
    COMMERCIAL, INCL. MULTI-FAMILY - 300 FEET UNSPRINKLERED, 400 FEET SPRINKLED.
11. NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
12. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
13. NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
14. 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.
15. A FIRE APPARATUS ROAD 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 UFC 91, SECTION 10.205).
16. 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 #3677.
17. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

1 1/2" REDUCED PRESSURE PRINCIPLE ASSEMBLY

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.

PROJECT NAME: CIMARRON ESTATES
Pg C-14 + C-15
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 2/8/95
Date

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.

Avoid cutting underground utility lines. It's costly

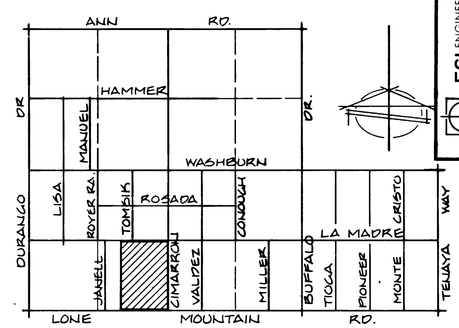
Call before you Dig.

1-800-227-2600
UNDERGROUND SERVICE USA

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

SCALE:
1" = 50'



VICINITY MAP
NO SCALE

REVISED
ESTIMATED QUANTITIES

1	8" PVC Water Line	3,960 L. F.
2	6" PVC Water Line	532 L. F.
3	10" PVC WATER LINE (EXISTING)	645 L. F.
4		
5		
6	8"x8"x8" Tee w/Thrust Block	2 EA.
7	8" NRS Gate Valve w/Box, Cover & Concrete Collar	6 EA.
8	8"x8"x6" Tee w/Thrust Block	8 EA.
9	6" NRS Gate Valve w/Box & Cover	6 EA.
10	Fire Hydrant Assembly	6 EA.
11	8" 90° Elbow w/Thrust Block	4 EA.
12	6" Cap & 2" Blow-off Assembly	2 EA.
13	1" Service Connection	49 EA.
14	1" Service Lateral	901 L. F.
15	3/4" Water Meter from L.V.V.W.D.	49 EA.
16	12" Cap	1 EA.
17	1-1/2" METER W/1-1/2" R.P.P.A. FROM L.V.V.W.D.	1 EA.
18	12" PVC Water Line	500 L. F.
19	12" NRS Gate Valve w/Box, Cover & Concrete Collar	2 EA.
20	12"x 12"x 8" TEE W/ THRUST BLOCK	2 EA

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT — 8/23/95 DATE

CLARK COUNTY FIRE DEPARTMENT — 12/21/94 DATE

NOTE:
QUANTITIES SHOWN ARE APPROXIMATIONS ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT QUANTITIES INVOLVED

PROFESSIONAL ENGINEER STATE OF NEVADA JAMES W. LELAND CIVIL No 4932

DATE	NO	REVISIONS	APP'D
8/18/95	2	SHOW 10" WATER LINE IN CIMARRON AS EXISTING	
8/23/95	1	RELOCATE FIRE HYDRANT	

PREPARED FOR: DMB DEVELOPERS OF NEVADA

ESI ENGINEERS AND SURVEYORS INC. 7345 W. ARVILLA AVE. • LAS VEGAS, NEVADA 89117 • (702) 248-9415

DATE FEB '95
DESIGN R.E.T.
DRAWN R.E.T.
CHECK J.W.L.
SCALE 1" = 50'

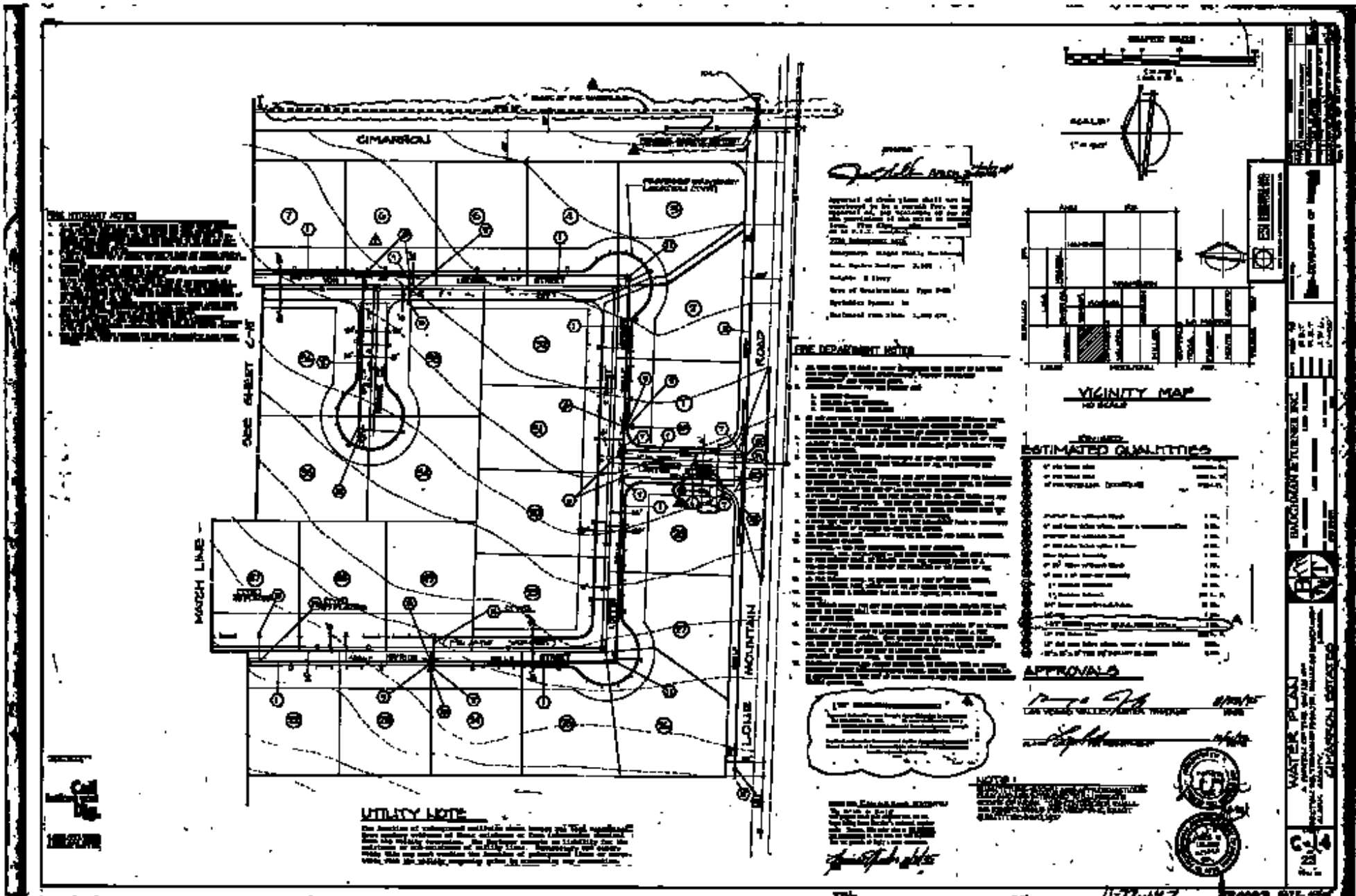
BAUGHMAN & TURNER INC.
CIVIL ENGINEERS — LAND PLANNERS — LAND SURVEYORS
1210 HINSON STREET LAS VEGAS NEVADA 89102 (702) 870-8771

WATER PLAN
A PORTION OF THE SW 1/4 OF SECTION 33, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.B.&M. CLARK COUNTY, NEVADA
CIMARRON ESTATES

SHEET C-14 OF 23

PROJ No

8226 11-23-147 330093 567Y-4405


CIMARRON
MATCH LINE
ST. LOUIS MOUNTAIN ROAD
VICINITY MAP
ESTIMATED QUANTITIES
APPROVALS
UTILITY NOTE
WATER PLAN
C-4