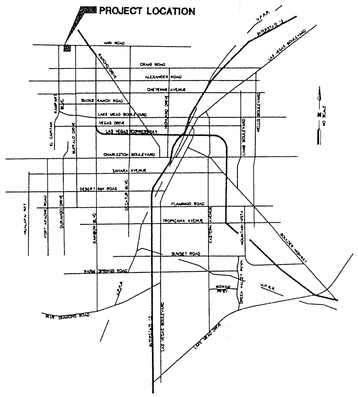


VICINITY MAP

MANHOLE CONTROL TABLE

MH #	NORTHING	EASTING
1	985.5469	3221.6405
2	989.4804	2772.6578
3	1287.0911	3674.5158
4	1288.3921	3526.0177
5	1290.7662	3255.0211
6	1294.5805	2819.6409
7	1362.9190	2659.3400
8	1296.6372	2584.8828
9	1298.3718	2386.8812
10	1469.7475	2555.3437
11	1629.3760	2491.6074
12	1886.6407	2494.8708
13	2143.1959	2498.1252
14	2143.2203	2857.1811
15	2143.2446	3214.8135
16	1882.2445	3213.6793
18	1864.2986	3526.9335
19	1580.9066	3526.1828
20	1880.2141	2755.8365
21	1673.0996	2763.1839
22	1557.1032	2794.5960
23	1585.1167	3873.8330
24	1582.7116	3148.2937
25	1531.6692	3202.5513
26	1508.0390	3259.7927
27	1471.9761	3255.3093
	REFERENCE POINTS	
1	2333.7767	3688.1803
2	976.4784	3686.0219

QUANTITY ESTIMATE

4' DIAMETER MANHOLE..... 5 EA

8" SEWER MAIN..... 895 LF

4" SEWER LATERALS..... 965 LF

WYE STUBS.....

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

WASTEWATER QUANTITIES

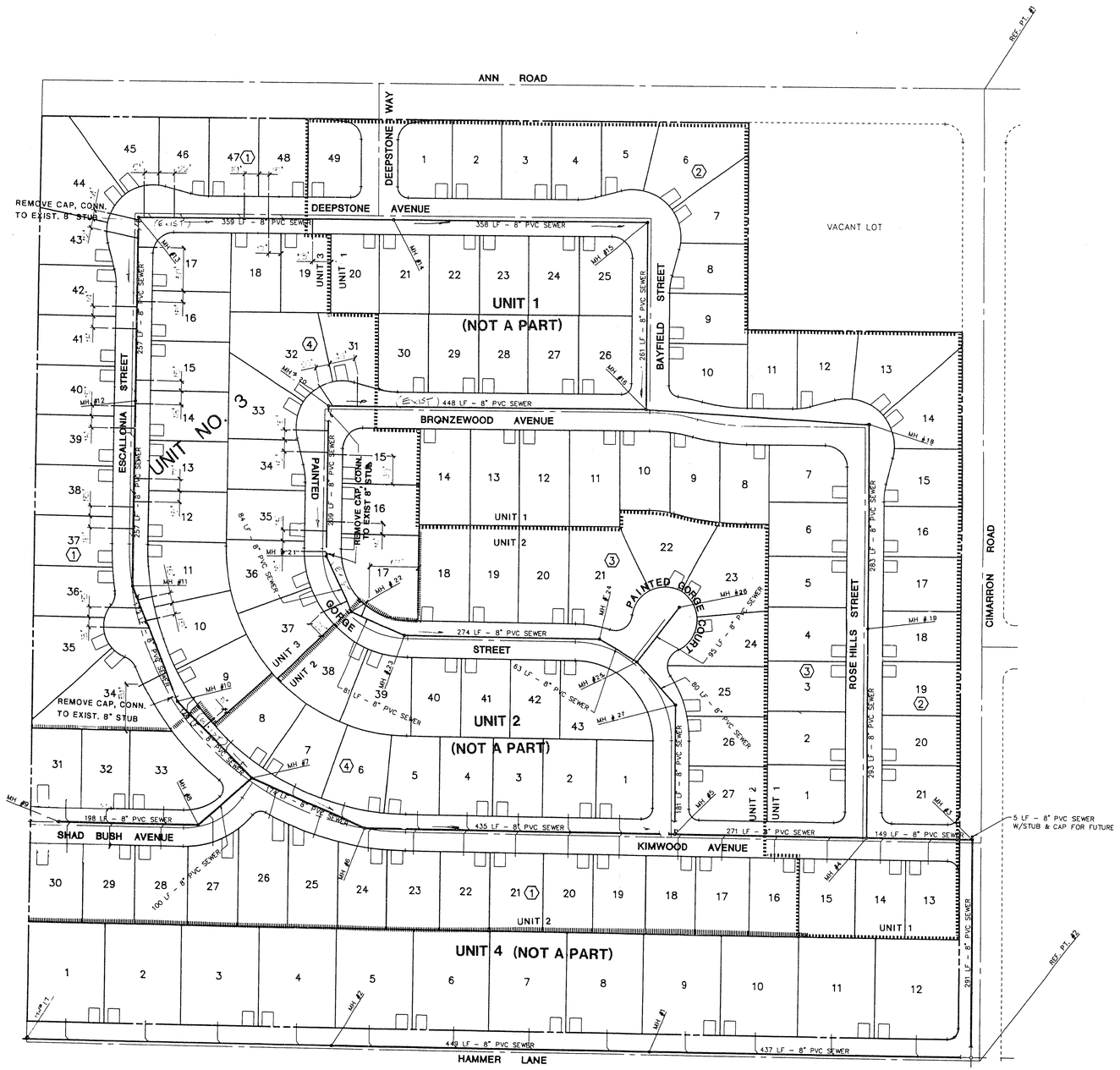
AVERAGE DAILY FLOW 9,000 GPD

PEAK DAILY FLOW 14,400 GPD

THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN & CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IN ALL CASES, THESE STANDARDS SHALL SUPERCEDE THE UNIFORM STANDARD SPECIFICATIONS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION BOOKS.
2. 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 CONTROLLING AGENCY.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II GRAVEL.
5. ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
7. A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE ENCASED FOR A DISTANCE OF NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.



SCALE: 1" = 80'

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 # 1LV9033N4

RIVET & PLATE IN TOP OF CURB, SE CORNER OF ANN ROAD & CIMARRON ROAD.

ELEV. = 2402.730

Call before you Dig.

1-800-227-2600
UNDERGROUND SERVICE (USA)

19-60-33

APRV.	REV.	DATE	BY	REVISION

ESI ENGINEERS AND SURVEYORS, INC.
PLANNERS • CONSULTING ENGINEERS • SURVEYORS
708 W. CHARLESTON BLVD. • LAS VEGAS, NEVADA 89106 • (702) 384-2086

SUBMITTED BY:

TITLE: MASTER SEWER PLAN "AS BUILT"

PROJECT: CANYON CREEK UNIT NO. 3

W.O. # :	260 – A785
BY :	DTB
DATE :	MAY 1993
SCALE :	1" = 80'

SHEET 5 OF 7 SHEETS

11-4-109

"As Built" 307Y-4279-3