



VICINITY MAP

CITY OF LAS VEGAS GENERAL NOTES

- HOUSE SERVICES SHALL COMPLY WITH PLUMBING CODE AS TO SEPARATION DISTANCE.
- ALL HOUSES TO BE SERVED INDIVIDUALLY AS PER SECTION 31.3 OF THE UNIFORM PLUMBING CODE.
- CONTRACTOR SHALL FURNISH THE ENGINEER WITH AS-BUILT DRAWINGS SHOWING THE EXACT LOCATIONS OF ALL HOUSE CONNECTIONS.
- CONCRETE COLLARS TO BE CONSTRUCTED AROUND ALL MANHOLES AND WATER VALVES ON 60, 80 AND 100 FOOT R/W'S. ASPHALT COLLARS MAY BE USED ON 51 FOOT R/W'S. CONCRETE COLLARS SHALL BE 1/8" TO 1/4" LOWER THAN ADJACENT FINISH GRADE.
- CHISEL S OR G WHEREVER SEWER OR GAS LINES PASS UNDER CURB.

CITY OF LAS VEGAS SEWER TRENCH NOTES

- BACKFILL SHALL BE ANY EXCAVATED IMPORTED OR TRANSPORTED MATERIAL WHICH IS FREE FROM LARGE LUMPS GREATER THAN 6" IN DIAMETER AND FREE OF ORGANIC MATERIAL. BACKFILL SHALL BE COMPACTED BY FLOODING OR TAMPING TO A DENSITY SPECIFIED BY THE SOILS ENGINEER.
- TRENCH NOTES FOR VCP SEWER PIPE ONLY. IF PVC ALTERNATE IS USED, THEN TRENCH BACKFILL TO COMPLY WITH CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM DATED JANUARY 25, 1980.
- BACKFILL TO 12" MINIMUM COVER OVER PIPE WITH SELECTED SAND OR GRAVEL, NO LARGER THAN 2" DIAMETER. BACKFILL TO BE PLACED BY HAND FOR PIPES 27" IN DIAMETER AND SMALLER.

QUANTITY ESTIMATE

60" MANHOLE	13 EA.
48" MANHOLE	17 EA.
27" SEWER MAIN	2342 L.F.
21" SEWER MAIN	3791 L.F.
12" SEWER MAIN	2164 L.F.
8" SEWER MAIN	4254 L.F.
24" SEWER MAIN	45 L.F.

RCP D-LOADS & AZ FACTORS

27" RCP		21" RCP		MIN. AZ FACTOR
MH#	PIPE CLASS	REACH#	MH#	
1-4	1350-D (III)	1	1-2	0.50
4-5	1350-D (III)	2	2-3	0.50
		3	3-4	0.50
		4	4-5	0.50
21" RCP		* 24" RCP		MIN. AZ FACTOR
MH#	PIPE CLASS	REACH#	MH#	
5-6	1350-D (III)	1	21	0.60
6-7	1350-D (III)			
7-16	1350-D (III)			
16-17	1350-D (III)			
17-21	2000-D (IV)			
21" RCP		21" RCP		MIN. AZ FACTOR
MH#	PIPE CLASS	REACH#	MH#	
1	5 TO 6	1	5 TO 6	1.00
2	6 TO 7	2	6 TO 7	1.00
3	7 TO 16	3	7 TO 16	0.60
4	16 TO 17	4	16 TO 17	0.60
5	17 TO 18	5	17 TO 18	0.60
6	18 TO 19	6	18 TO 19	0.60
7	19 TO 20	7	19 TO 20	0.60
8	20 TO 21	8	20 TO 21	0.60

NOTE:  
AT ALL ANGLE POINTS AND JUNCTIONS, AZ FACTOR TO BE INCREASED TO 1.0 FROM DOWNSTREAM SIDE OF MH A DISTANCE OF 50'.

\* 50' SOUTH OF MH #21

REV	DATE	BY	REVISION
1	01/04/84	DMR2	REVISED PER CITY OF LAS VEGAS PERMITS DEPT. 177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200

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SUBMITTED BY: *Paul E. Anton*

OFFSITE-MASTER SEWER PLAN

PROJECT: THE LAKES at WEST SAHARA - PHASE 1A

WO NO.	830802
BY	D. REED
DATE	10/8/84
SCALE	1" = 200'
SHEET	13
OF 30 SHEETS	

*P.A. Anton* 11-9-84  
CLV SANITATION ENGINEER

16.7-97 307Y-1933-1A