



REV	DATE	BY	REVISION
1	1/24/85	DRC	CORR. PER CLV REVIEW
2	1/23/86	P.T.B.	SHOW SERVICE TO GUARDHOUSE

ENGINEERS & SURVEYORS
 INCORPORATED
 7022 W. CHARLESTON BLVD
 LAS VEGAS, NEVADA 89117
 PHONE 702 / 363-6415

SUBMITTED BY: *[Signature]*

TITLE: MASTER SEWER PLAN
 PROJECT: THE LAKES at West Sahara Phase 1

WO NO 830802
 BY D. REED
 DATE 12/17/84
 SCALE 1" = 60'

SHEET: 40
 OF 46 SHEETS

- CITY OF LAS VEGAS GENERAL NOTES**
- HOUSE SERVICES SHALL COMPLY WITH WESTERN PLUMBING CODE AS TO SEPARATION DISTANCE.
 - ALL HOUSES TO BE SERVED INDIVIDUALLY AS PER SECTION 313 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/M'S. ASPHALT COLLARS MAY BE USED ON 51 FOOT R/M'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

8" SEWER 2,797.00 LF
 4" MANHOLES 12 EA.
 4" LATERALS 2,535.00 LF

[Signature]
 CLV SANITATION ENGINEER
 DATE 2-25-85

