

# IMPROVEMENT PLANS

OF

## W. 1/2, SEC. 7

# THE LAKES AT WEST SAHARA

(PHASE 3)

## CITY OF LAS VEGAS

### APPROVALS

*George Lewis* 1-13-88  
 ELECTRICAL SUPERVISOR DATE  
*Ernest Brown* 1/7/88  
 ELECTRICAL COORD. DATE  
*R. Antonio* 1-21-78  
 SANITATION SUPERVISOR DATE  
*Steve Miller* 9/3/87  
 L.V.V.W.D. DATE  
*John DeLeon* 1-29-88  
 C.E.V. CITY ENGINEER DATE  
 SEE NOTES, Pg. #14 86 1/28/88  
 C.L.V. FIRE MARSHAL DATE  
*John DeLeon* 1-29-88  
 C.L.V. CHIEF LAND DEVELOPMENT DATE

### GENERAL NOTES

- CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
- WHEELCHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING D22A. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CITY INSPECTOR.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER.
- EXISTING UTILITIES ARE LOCATED ON THE PLANS FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF THE UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS.
- CONSTRUCTION TO BE PER UNIFORM STANDARD SPECIFICATIONS AND DRAWINGS, CLARK COUNTY AREA, NEVADA (LATEST EDITION).
- TYPE V CEMENT TO BE USED IN ALL CONCRETE.
- ALL MANHOLES, WATER VALVES AND CLEANOUTS THAT LIE WITHIN THE LIMITS OF ROADWAY CONSTRUCTION SHALL BE PLACED AT SUBGRADE LEVEL AFTER PLACEMENT OF THE ASPHALT PAVEMENT AND BASE MATERIALS. THE MANHOLES SHALL BE BROUGHT TO FINISH GRADE AND A COLLAR SHALL BE CONSTRUCTED FOR EACH MANHOLE. INSPECTORS ARE TO BE NOTIFIED IN ADVANCE TO INSPECT WORK AT THE TIME OF ADJUSTMENT. COLLARS TO BE PER CLV SPECIFICATIONS.
- CHISEL S OR G WHEREVER SEWER OR GAS LINES PASS UNDER CURB.

### CITY OF LAS VEGAS SEWER TRENCH NOTES

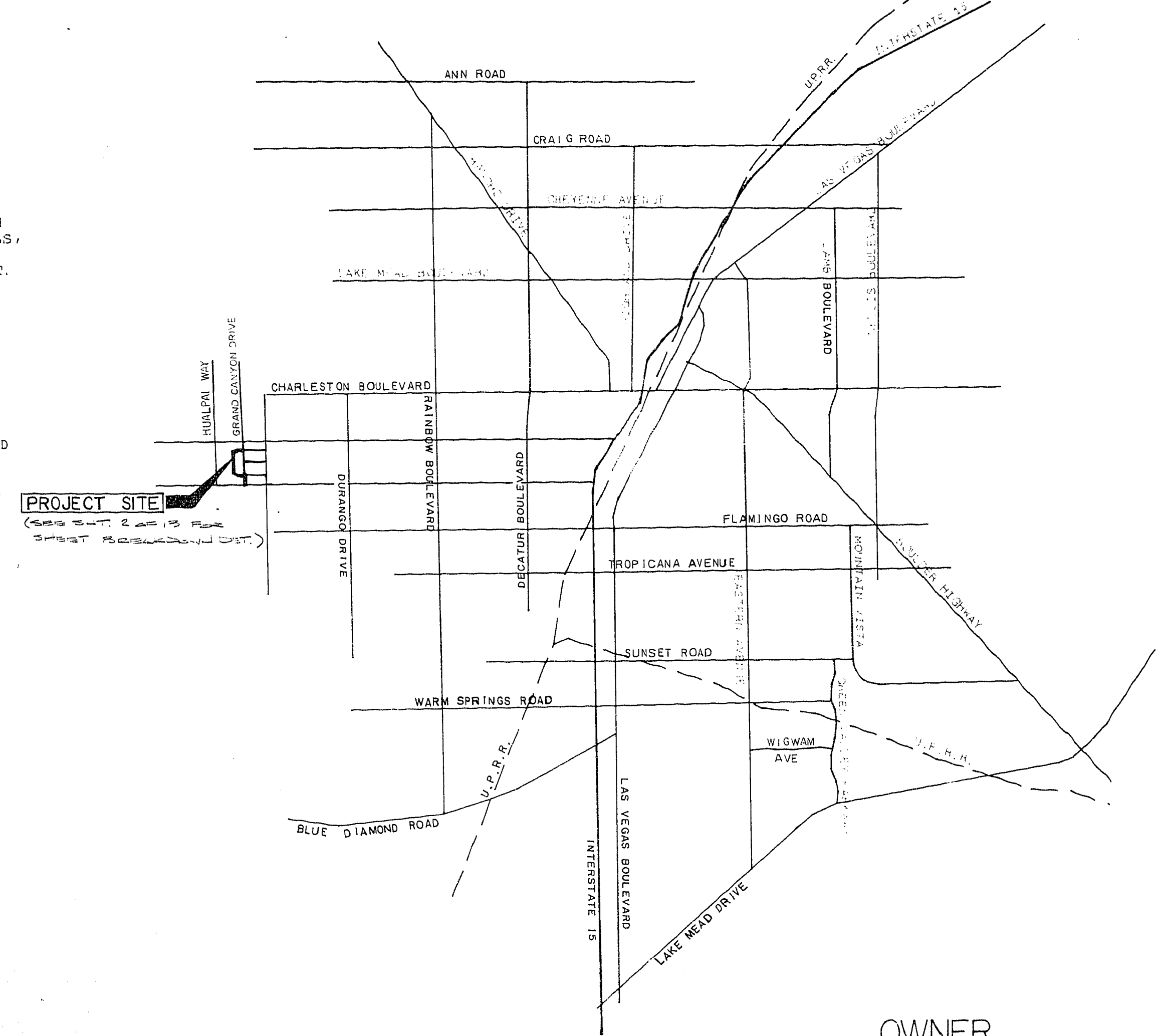
- BACKFILL SHALL BE ANY EXCAVATED, IMPORTED OR TRANSPORTED MATERIAL WHICH IS FREE FROM LARGE LUMPS GREATER THAN 6" IN DIAMETER AND FREE OF ORGANIC MATERIAL. BACKFILL SHALL BE COMPACTED BY FLOODING OR TAMPING TO A DENSITY SPECIFIED BY THE SOILS ENGINEER.
- TRENCH NOTES FOR VCP SEWER PIPE ONLY. IF PVC ALTERNATE IS USED, THEN TRENCH BACKFILL SHALL 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.

### LAS VEGAS WATER DISTRICT 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 1, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA.
- NOTICE TO BE GIVEN TO THE 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 DEGREES PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 14 INCHES, AND SHALL NOT EXCEED 2 DEGREES 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:  
 A. OVER ALL MAINS NOT INSTALLED AT 6 FEET FROM BACK OF CURB.  
 B. OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.
- CALL BEFORE YOU DIG - 1-800-227-2600.

### CITY OF LAS VEGAS STREET LIGHT NOTES

ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE LATEST ISSUE OF THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, 1978, UNLESS OTHERWISE NOTED.



**OWNER**  
 SECTION 7 INVESTMENT CO.  
 P.O. BOX 42427, HUNTRIDGE STATION  
 LAS VEGAS, NEVADA 89119

**DEVELOPER**  
 SECTION 7 INVESTMENT CO.  
 P.O. BOX 42427, HUNTRIDGE STATION  
 LAS VEGAS, NEVADA 89119

### BENCHMARK

CLARK COUNTY BENCHMARK NO. C105W04: RAILROAD SPIKE AT INTERSECTION OF SAHARA AVE. AND DURANGO DR.  
 ELEVATION = 2659.63'  
 (C.C. DATUM - 1.04' = C.L.V. DATUM)

### QUANTITY ESTIMATE

ON-SITE		OFF-SITE	
<b>STREET IMPROVEMENTS</b>		<b>STREET LIGHTS</b>	
3.75" ASPHALTIC CONCRETE PAVING	32,817 S.F.	150 WATT H.P.S.	44 EA.
2.0" ASPHALTIC CONCRETE PAVING	14,561 S.F.	LIGHT STANDARD, GARDEN CONC. POLE	44 EA.
CONCRETE VALLEY GUTTER	12,810 S.F.	1 1/2" PVC CONDUIT	9,771 L.F.
1" TYPE CURB & GUTTER	12,776 L.F.	3/4" PULL BOX	20 EA.
CONCRETE SIDEWALK	49,419 S.F.	STOP SIGNS	11 EA.
STAMPED CONCRETE	5,120 S.F.	STREET NAME SIGN	19 EA.
COLOR BAND	512 S.F.		
<b>SEWER</b>		<b>SEWER</b>	
4" DIA. STD. SEWER MANHOLE	15 EA.	4" DIA. STD. SEWER MANHOLE	3 EA.
8" SEWER MAIN	3,960 L.F.	8" SEWER MAIN	1,426 L.F.
<b>WATER</b>			
14" x 6" ELL	49 EA.		
12" ACP WATER MAIN	8,242 L.F.		
STD. FIRE HYDRANT W/ASSEMBLY	3 EA.		
2" METER & SERVICE	23 EA.		
12" GATE VALVE	30 EA.		
12" CROSS	2 EA.		
12" TEE	13 EA.		
2" BLOWOFF	11 EA.		
20" RCP	92 L.F.		
12" x 8" REDUCE	1 EA.		

### SHEET INDEX

- COVER SHEET
- DETAIL SHEET
- STREET & SEWER PLAN & PROFILE (LAKE NORTH DRIVE - STA.0+00 TO STA.9+00)
- STREET & SEWER PLAN & PROFILE (LAKE NORTH DRIVE STA.9+00 TO STA.20+00)
- STREET & SEWER PLAN & PROFILE (LAKE SOUTH DRIVE & LAKE NORTH DRIVE STA.20+00 TO STA.31+00)
- STREET & SEWER PLAN & PROFILE (LAKE SOUTH DRIVE STA.31+00 TO STA.42+00)
- STREET & SEWER PLAN & PROFILE (LAKE SOUTH DRIVE STA.42+00 TO STA.47+06.19)
- STREET & SEWER PLAN & PROFILE (REACHMCKT DRIVE)
- STREET & SEWER PLAN & PROFILE (CHANNEL ISLAND WAY)
- STREET & SEWER PLAN & PROFILE (COASTAL POINT WAY)
- STREET & SEWER PLAN & PROFILE (DELTA POINT WAY)
- OFFSITE SEWER PLAN & PROFILE (GRAND CANYON DRIVE STA.40+72.49 TO STA.48+00)
- OFFSITE SEWER PLAN & PROFILE (GRAND CANYON DRIVE STA.48+00 TO STA.54+05.57)
- MASTER UTILITY PLAN

DESI ENGINEERS & SURVEYORS INC. 1010 W. CHARLESTON BLVD. LAS VEGAS, NEVADA 89117 (702) 352-6415 SUBMITTED BY <i>John DeLeon</i> 1/6/87	COVER SHEET W. 1/2, SEC. 7 THE LAKES AT WEST SAHARA (PHASE 3)	WONO 5051 BY G.N. DATE 6/87 SCALE NONE SHEET 1 OF 14 SHEETS
-------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------	----------------------------------------------------------------------------