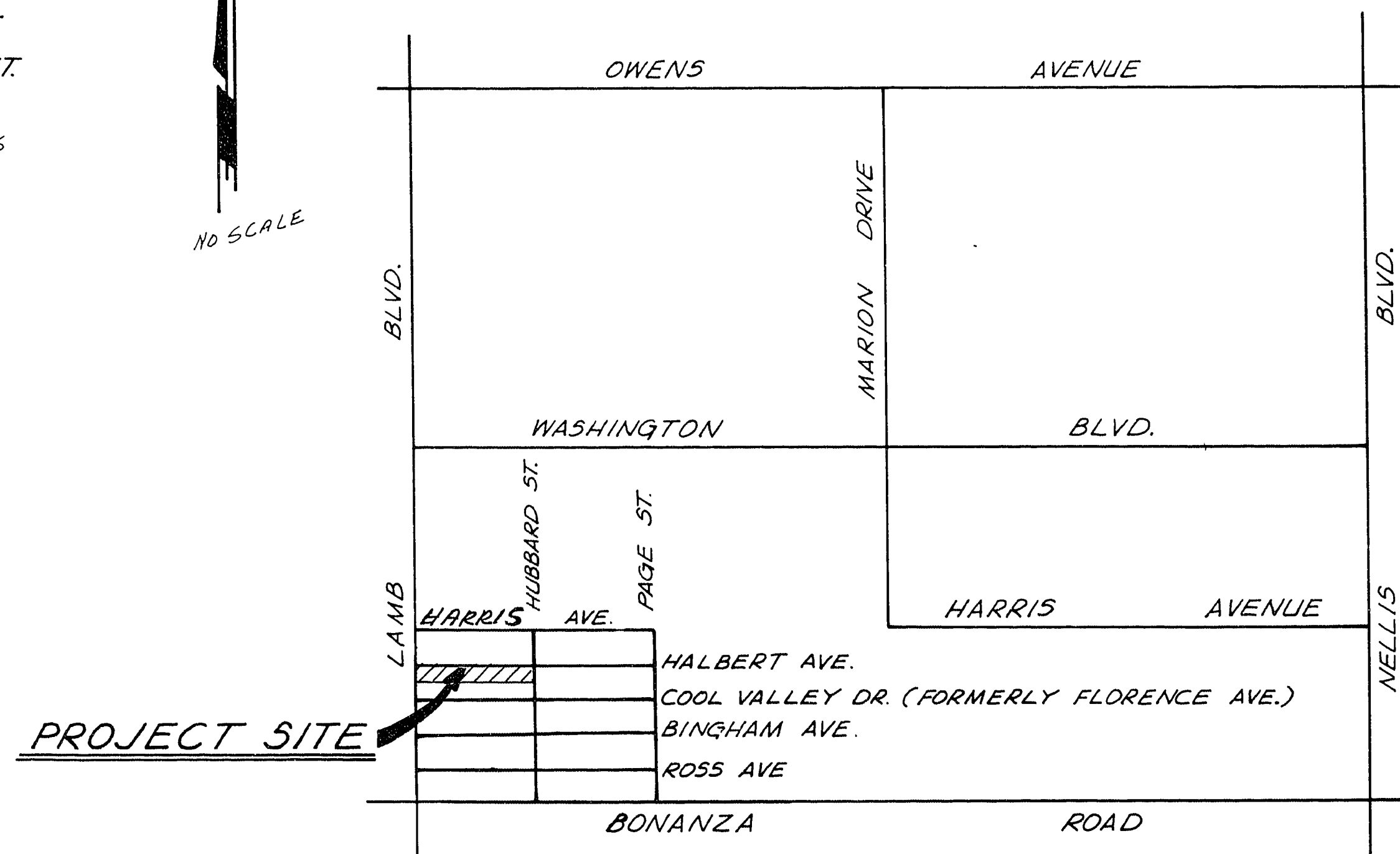
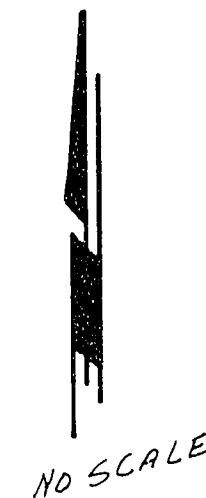


GRADING AND IMPROVEMENT PLANS
for
BOULDER HEIGHTS ADDITION I
PHASE 9

ROAD QUANTITIES (EST.)

2" AC PAVEMENT _____ 220.3 SQ. YDS.
TYPE II GRAVEL _____ 400 CU. YDS.
TYPE I GRAVEL _____ 1090 CU. YDS.
4" CONC. SIDEWALK _____ 2595 SQ. FT.
VALLEY GUTTER _____ 362 SQ. FT.
CURB & GUTTER _____ 654 LIN. FT.
LIGHT STANDARD 4 EA. 100 W. 2 EA. 250 W. 6 EA.
4" AC PAVEMENT _____ 1410 SQ. YDS.
DRIVEWAYS _____ 1490 SQ. FT.



PROJECT SITE

WATER QUANTITIES (EST.)

6" A.C.P. WATER LINE _____ 665 L.F.
6" GATE VALVE _____ 2 EA.
6" CAP _____ 1 EA.
5/8" METER (WATER) _____ 19 EA.
STD. FIRE HYDRANT ASSEMBLY _____ 1 EA.
2" BLOW-OFF ASSEMBLY _____ 1 EA.
3/4" P.E. LATERAL _____ 160 L.F.
5/8" SERVICE TAP _____ 1 EA.
6" x 8" REDUCER _____ 1 EA.
6" TEE _____ 1 EA.
6" WATER TAP _____ 2 EA.

SEWER QUANTITIES (EST.)

4" Ø SEWER LATERALS _____ 975 L.F.
SEWER MANHOLES _____ 2 EA.
8" Ø PVC _____ 605 L.F.

VICINITY MAP

SEC. 29, T. 20S, R. 62E, M. D. B. & M.
CITY OF LAS VEGAS, NEVADA

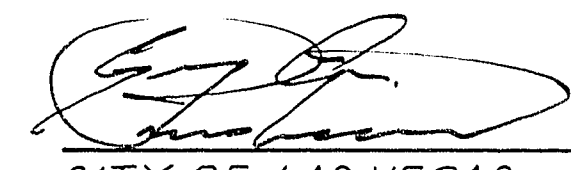
SHEET INDEX

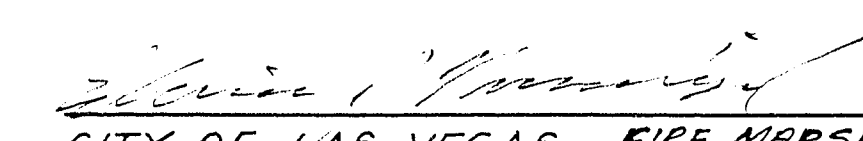
COVER SHEET _____ SHEET 1 OF 4
PLOT & GRADING, SEWER & WATER _____ SHEET 2 OF 4
STREET DESIGN - HALBERT ST. _____ SHEET 3 OF 4
STREET DESIGN - HUBBARD ST. _____ SHEET 4 OF 4

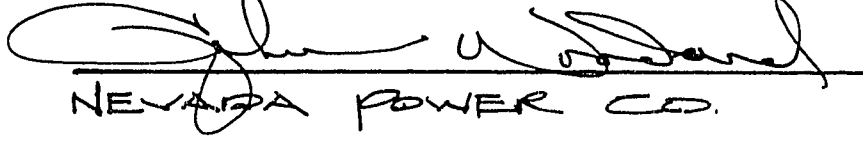
BENCHMARK

CITY OF LAS VEGAS DATUM
ELEV. 1773.31
B.M. # 0653001

APPROVALS:


CITY OF LAS VEGAS CITY ENGINEER
8/31/89
DATE


CITY OF LAS VEGAS FIRE MARSHALL
8/23/89
DATE


NEVADA POWER CO.
8/19/89
DATE

C L V GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA"; ANY OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE DRAWINGS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS ARE NOT SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL THE WATERLINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT. THE WATER DISTRICT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF WATER LINES.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE DESIGNED FOR A 5.5 SACK MIX WITH A MAXIMUM WATER/CEMENT RATIO OF 0.45 (OR AS DESIGNED BY THE SOILS ENGINEER). MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
- THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER AND/OR TELEPHONE FACILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
- AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS & VALLEY GUTTER AFTER COMPACTION.
- APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS & ADJUSTMENTS HAVE BEEN MADE.
- CURB & 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 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED 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 FOR INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE AS SHOWN ON THE PLANS OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN. OR EXISTING PAVEMENT CONDITIONS REQUIRES RELOCATION.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.E.S. STATUTE No. 625.550.

PREPARED FOR: DEVELOPER
GERALD LEAVITT
3919 RAYMONT DR.
LAS VEGAS, NEVADA
PH. 385-1411

SH. 1
OF 4

107Y-980A-I-9 31-6-30