

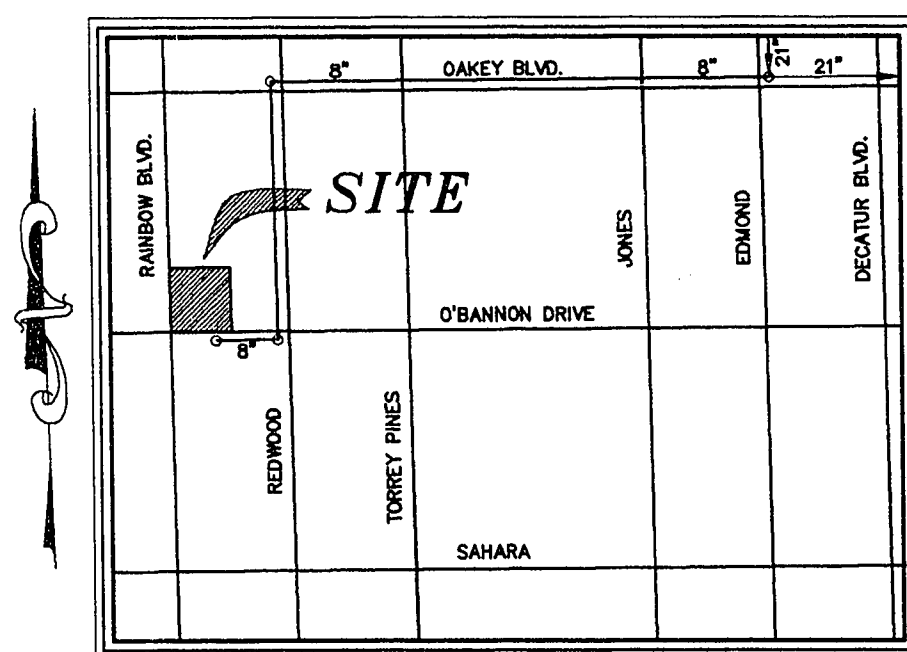
*CITY OF LAS VEGAS, STATE OF NEVADA
SITUATED IN THE NORTHWEST QUARTER (NW 1/4)
OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 2,
TOWNSHIP 21 SOUTH, RANGE 60 EAST, M.D.M.,
CITY OF LAS VEGAS, NEVADA
A PORTION OF A.P.N. 163-02-301-003*

 **ENGINEERS**

STAN HANSEN & ASSOCIATE'S

LAND SURVEYING 3089 S. VALLEY VIEW BLVD.
CIVIL ENGINEERING LAS VEGAS, NV 89102
STRUCTURAL ENGINEERING (702) 247-6003
FORENSIC ENGINEERING FAX (702) 247-6110

**C/O JAMES McLEOD
BULLET'S
PO BOX 13861
LAS VEGAS, NEVADA 89112
(702) 341-6605**



BASIS OF BEARING

N 02° 39' 23" W BEING THE WEST LINE OF THE
NORTHWEST QUARTER, OF THE SOUTHWEST QUARTER,
OF SECTION 2, TOWNSHIP 21 SOUTH, RANGE 60 EAST,
M.D.M., AS SHOWN IN BOOK 19, PAGE 33, OF RECORDED
PLATS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

DUTY TO INDEMNIFY. The Contractor shall defend, indemnify, keep and save harmless the City, County, Owner, and Engineer and their respective board members, representatives, agents and employees, in both individual and official capacities, against all suits, claims, damages, losses and expenses, including attorney's fees, caused by, growing out of, or incidental to, the performance of the work under the Contract by the Contractor or its subcontractors to the full extent as allowed by the laws of the State of Nevada, and not beyond any extent which would render these provisions void or unenforceable. This obligation includes but is not limited to: The Nevada law regarding civil work, and the laws and regulations regarding the protection of adjacent landowners. In the event of any such injury (including death) or loss or damage, or claims therefor, the Contractor shall give prompt notice to the Owner.

BENCHMARK

BM # 6 C.L.V. 7C10-2SWW6
A 2"x2" ALUMINUM PLATE IN THE TOP OF CURB,
NORTHEAST CORNER OF RAINBOW BLVD. & O'BANNON
DRIVE NEAR THE PC OF RAINBOW BLVD.
ELEVATION = 731.2372 METERS

2399.07 FEET $\Leftarrow$ DATUM USED (NAVD 1988 DATUM)

[illegible]

NOTE: CERTAIN OF THE "EXISTING" IMPROVEMENTS SHOWN ON THESE PLANS ARE PER THE CITY-APPROVED AND BONDED PLAN NUMBER 107Y-4439. THEY MUST BE PHYSICALLY CONSTRUCTED PRIOR TO START OF THE CONSTRUCTION SHOWN ON THESE PLANS. THEY CONSIST OF:

- * GRADING TO THE "EXISTING" CONTOURS SHOWN HEREON.
- * INSTALLATION OF THE 24" STORM DRAIN ADJACENT TO RAINBOW BLVD.
- * INSTALLATION OF ALL RAINBOW BLVD. IMPROVEMENTS ADJACENT TO THIS SITE, INCLUDING THE SOUTHWEST DRIVEWAY APPROACH.
- * ALL O'BANNON STREET CONSTRUCTION AND REMOVALS.

1. ALL CONSTRUCTION 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", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON THESE PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND 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, GAS AND /OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET 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 REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
8. AC PAVEMENT TO 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT HANDICAP RAMPS AND CROSS GUTTERS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED.
11. SIDEWALK 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.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING STRUCTURES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
14. 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 PAYMENT CONDITION REQUIRES RELOCATION.
15. 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.R.S. STATUTE NO. 625.550.
16. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND CITY ENGINEER.
17. WALL NOTES:
 - A. ALL WALLS, NEW OR EXISTING, ARE SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
 - THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS (RETAINING OR NON-RETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.
18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.

12/92

NO DEVIATIONS FROM STANDARDS

NOTES:
ALL UTILITIES ARE BELIEVED TO BE ACCURATELY
LOCATED BUT THE ACCURACY AND
COMPLETENESS OF UTILITY INFORMATION IS NOT
GUARANTEED. FOR EXACT LOCATION OF
ANY UTILITY SEE THE APPROPRIATE
UTILITY OR GOVERNMENTAL AGENCY.

AVOID CUTTING UTILITY LINES
IT'S COSTLY
CALL
before you
DIG.

1-800-227-2600
CAN U DIG IT?

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SHEET NO.	DESCRIPTION
C1 OF 4	TITLE SHEET
C2 OF 4	GEOMETRIC PLAN
C3 OF 4	GRADING PLAN
C4 OF 4	UTILITY PLAN

DENNIS ANDERSON
CITY OF LAS VEGAS – CITY ENGINEER

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHTS-OF-WAY AND /OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER "DEVIATIONS FROM STANDARDS" . THE ENGINEER SHALL RESOLVE ANY DEVIATIONS OTHER THAN THOSE LISTED IN "DEVIATIONS FROM STANDARDS" IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

8-21-96
DATE

	6-4-96
SOUTHWEST GAS CORPORATION	DATE
	6-3-96
SPRINT TELEPHONE COMPANY	DATE
	6-6-96
CITY OF LAS VEGAS FIRE DEPARTMENT	DATE

NOTE:
These plans shall not, in part or in whole, be used
for construction until approved and signed
by the governing agencies.

S.H.A. ENGINEERS
BRIAN P. TOMPSETT, P.E.

SHEET C1 OF 4

DATE: 30 MAY 1996
PROJECT NO.: 95213

31-2-1d 107-V2569