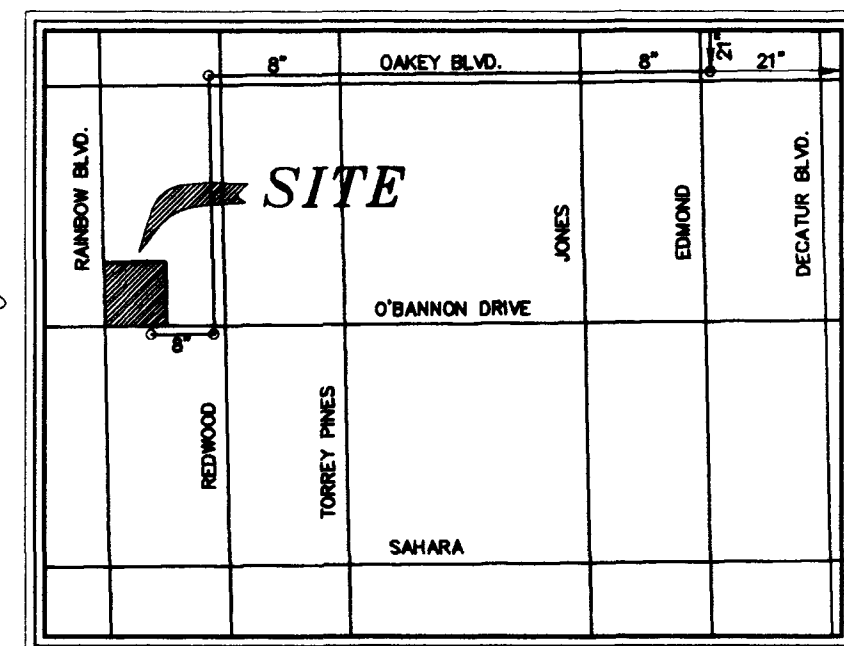


NOTE:
CERTAIN OF THE "EXISTING" IMPROVEMENTS SHOWN ON THESE PLANS ARE PER THE CITY-APPROVED AND BONDED PLAN NUMBER 107Y-4439. THEY MUST BE PHYSICALLY CONSTRUCTED PRIOR TO START OF THE CONSTRUCTION SHOWN ON THESE PLANS. THEY CONSIST OF:

- 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.

GRADING NOTES

1. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER.
2. EXISTING UTILITIES ARE LOCATED ON THE PLANS PER THE CITY OF LAS VEGAS REQUIREMENTS. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE UTILITIES NOT SHOWN ON THE PLANS, AND SHALL CONTACT THE APPROPRIATE UTILITY OR GOVERNMENT FOR THE EXACT LOCATION OF ALL UTILITIES.
3. CONSTRUCTION TO BE PER UNIFORM STANDARD SPECIFICATIONS AND DRAWINGS, CLARK COUNTY AREA, NEVADA.
4. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
5. ALL GRADING AND PAVING SHALL CONFORM TO THE SOILS REPORT PREPARED BY WESTERN TECHNOLOGIES, INC. DATE OCTOBER 14, 1993 AND ANY ADDENDA THERETO.
6. POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CITY OF LAS VEGAS.
7. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.



VICINITY MAP
N. T. S.

LEGEND

- PROPERTY LINE
- EXISTING STRUCTURES
- PROPOSED RETAINING WALL
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING TOP OF CURB GRADE
- EXISTING ASPHALT GRADE
- EXISTING FINISHED GRADE
- PROPOSED FINISHED GRADE
- PROPOSED FLOW LINE
- DIRECTION OF DRAINAGE FLOW

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.

BENCHMARK

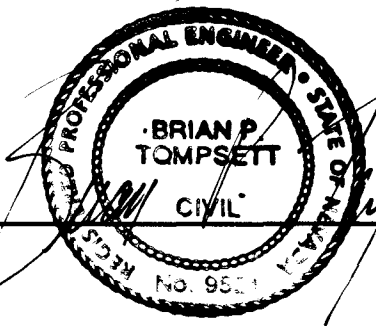
BM # 6 C.L.V. 7C10-2SWW6
A 2"x2" ALUMINUM PLATE IN THE TOP OF CURB, NORTHEAST CORNER OF RAINBOW BLVD. & O'BANNON DRIVE NEAR THE PC OF RAINBOW BLVD.
ELEVATION = 731.2372 METERS
2399.07 FEET ← NAVD 88 DATUM USED

ENGINEERS NOTES

1. ALL PROPOSED GRADES ARE TO FINISHED ASPHALT OR CONCRETE WHICH IS 0.5' BELOW TOP OF CURB, UNLESS OTHERWISE NOTED.
2. SEE ARCHITECT FOR LANDSCAPING AND DETAILS OF PROPOSED BUILDINGS AND TRASH ENCLOSURE.
3. A MINIMUM ONE FOOT BERM MUST BE CONSTRUCTED ALONG RAINBOW BOULEVARD.
4. IMPROVEMENTS PER CITY APPROVED PLAN No. 107Y-4439 MUST BE CONSTRUCTED PRIOR TO THE CONSTRUCTION SHOWN ON THESE PLANS.

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS RECORDS FOR THIS PROJECT.

S.H.A. ENGINEERS
BRIAN P. TOMPSETT



DATE
No. 9521

DATE: 30 MAY 1996
JOB NO: 95213
SCALE: 1" = 20'
DRAWN: L.R.W.
DESIGNED: D.P.W.
CHKD BY: B.P.T.
DWGNAME: 213_C3

sheet:
C3 OF 4

BULLETS DRIVE THRU
NORTHWEST QUARTER OF THE SOUTHWEST QUARTER
OF SECTION 2, TOWNSHIP 21 SOUTH, RANGE 60 EAST,
M.D.M., CITY OF LAS VEGAS, NEVADA

GRADING PLAN

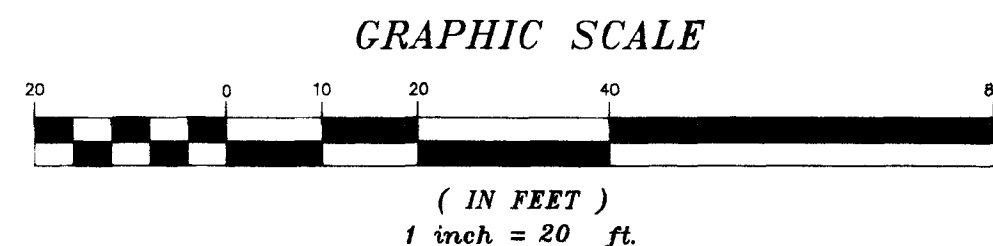
PROJECT TITLE

APPL.

REVISION

NO. DATE

SCALE



O'BANNON
DRIVE

RAINBOW
BOULEVARD

NEVADA DEPARTMENT OF TRANSPORTATION
PERMIT REQUIRED

ALL APPROVED NOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PLANNING DIVISION FOR ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY.

AVOID CUTTING UTILITY LINES
IT'S COSTLY

CALL
before you
DIG.

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

NOTES:
ALL UTILITIES SHOWN 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.

Any use or reproduction of this document or the attached drawings, or the use of the design approach, ideas or concepts described in this document and the attached drawings, in whole or in part by any means whatsoever is strictly prohibited except with the specific written consent of Stan Hansen & Associates.

COPYRIGHT 1996, STAN HANSEN & ASSOCIATES.

SECTION A-A
N.T.S.

SECTION B-B
N.T.S.

4' VALLEY GUTTER

- NOTES:
1. ALL CONCRETE SHALL BE CLASS-B.
 2. FINISHED CONCRETE SURFACE TO BE FLUSH WITH CROSS GUTTER LIP.
 3. WEAKENED PLANE JOINT PER CLARK COUNTY STANDARD DRAWING NO. 234 EVERY 20' (TYP).
 4. EXPANSION JOINT (1/2") EVERY 100' MAX. PER CLARK COUNTY STANDARD DRAWING NO. 234.
 5. TYPE I OR TYPE II AGGREGATE BASE COMPACTED TO 90%.
 6. No. 4 BARS @ 16" CTR-CTR (2" CLEAR FROM BOTTOM), BOTH WAYS.
 7. REVERSE CROWN DEPTH OF 1/2" (TYP).

CLARK COUNTY SPECIFICATION REFERENCE:
302 AGGREGATE BASE 501 CONCRETE
502 CONCRETE STRUCTURES 505 REINFORCING STEEL
707 EXPANSION JOINT MATERIAL

