

**CLV GENERAL NOTES**

1. 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 EDITION, THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA, LATEST EDITION, ANY 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 RECORDARY OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON 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 ALTERATIONS 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. MAX. 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 BE 1/2" ABOVE ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB & GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. 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 SURFACES TO PROVIDE PROPER DRAINAGE AND FOR PROGRESS AND ACCESS 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 SLOPE LIMIT 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 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.E.S. STATUTE NO. 625.550.
16. UTILITY COMPANY METER BOXES, MANDIBLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APPROXIS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY.
17. WALL NOTES:  
A. ALL NEW OR EXISTING ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.  
B. 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.

**NOTE:**

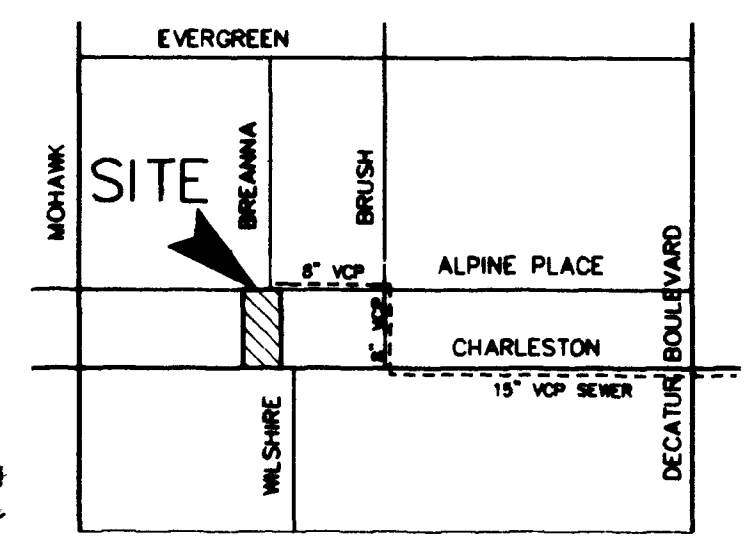
CHARLESTON BOULEVARD IS A NEVADA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY BACK OF CURB TO BACK OF CURB. THE CITY OF LAS VEGAS DOES NOT REVIEW THESE PLANS FOR CONFORMANCE WITH NDOT STANDARDS. A SEPARATE REVIEW, APPROVAL AND ENCROACHMENT PERMIT MUST BE OBTAINED FROM NDOT PRIOR TO CONSTRUCTION.

**GRADING NOTES**

1. ALL GRADING SHALL CONFORM TO THE REQUIREMENTS OF THE SOILS REPORT
2. ALL GRADES SHOWN ARE TO FINISH GRADE, INCLUDING LANDSCAPING.
3. THE CONTRACTOR SHALL LOCATE AND ADJUST TO GRADE ALL EXIST. MANHOLES, VALVE BOXES, AND OTHER UTILITY RISERS AS NECESSARY.
4. THE CONTRACTOR SHALL VERIFY SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.
5. ON-SITE DIMENSIONS ARE TO FACE OF CURB.
6. SEE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN.

**ESTIMATE OF EARTHWORK QUANTITIES**

RAW CUT	0 CY
RAW FILL (APPROXIMATE)	3400 CY



**VICINITY MAP**  
N.T.S.

**OWNER**

DALE HOWARD  
5240 W. CHARLESTON BLVD.  
LAS VEGAS, NEVADA 89102

**DEVELOPER**

DALE HOWARD  
5240 W. CHARLESTON BLVD.  
LAS VEGAS, NEVADA 89102

**LEGAL DESCRIPTION**

BEING A PORTION OF GOV'T LOT(S) 58 & 59 BEING A PORTION OF THE SOUTHWEST ONE-QUARTER (SW 1/4) OF THE SOUTHEAST ONE-QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA

**BENCHMARK**

BASIS OF ELEVATION CLARK COUNTY, BENCHMARK # 7C0036SSE6 RIVET AND SQUARE ALUM. PLATE IN TOP OF CURB, NORTHEAST CORNER OF CHARLESTON BOULEVARD AND BUSH STREET NEAR THE PC OF CHARLESTON BOULEVARD ELEV. = 676.3718(m) ELEVATION = 2219.06 FT. NAVD-88

**BASIS OF BEARINGS**

N 89 44'55" W BEING THE SOUTH LINE OF THE SOUTHWEST ONE-QUARTER (SW 1/4) OF THE SOUTHEAST ONE-QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M. PER FILE 33, PAGE 32 OF SURVEYS

**ESTIMATE OF PUBLIC OFFSITE QUANTITIES**

**PUBLIC QUANTITIES:**

6" SEWER	35 LF
8" WATER	70 LF
WATER SERVICE	1 EA
FIRE HYDRANT	1 EA
CURB & GUTTER	53 LF
CROSS GUTTER	1338 SF
SIDEWALK	534 SF
TYPE II GRAVEL BASE	60 CY
6" AC PAVING	60 SY
3" AC PAVING	14 SY
POWER SERVICE	1 EA
TELEPHONE SERVICE	1 EA
PULLBOX	1 EA
STREETLIGHT - BRK BASE	1 EA
SIDEWALK UNDERDRAIN	1 EA
HANDICAP RAMP	3 EA

**APPROVALS:**

*Dennis Anderson* For 11/25/97  
CLV CITY ENGINEER - DENNIS ANDERSON, P.E. DATE

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 DEVIATION OTHER THAN THOSE LISTED IN "DEVIATION FROM STANDARDS" IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

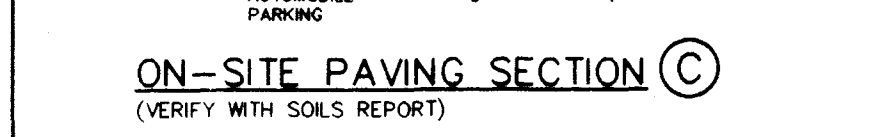
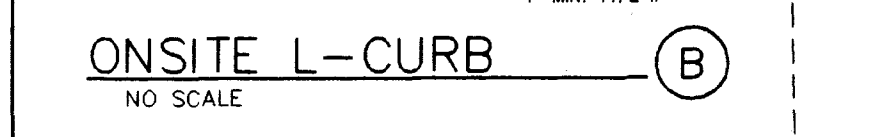
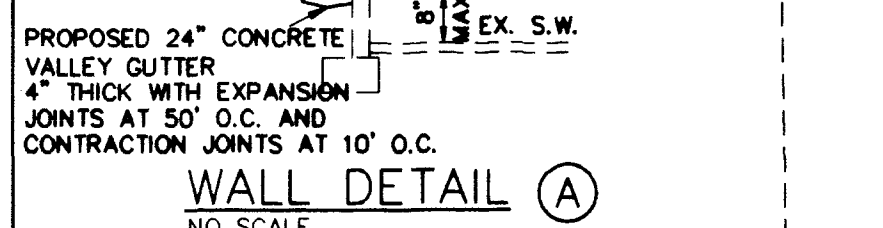
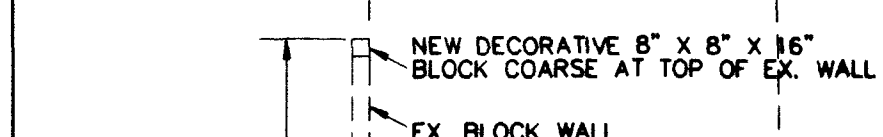
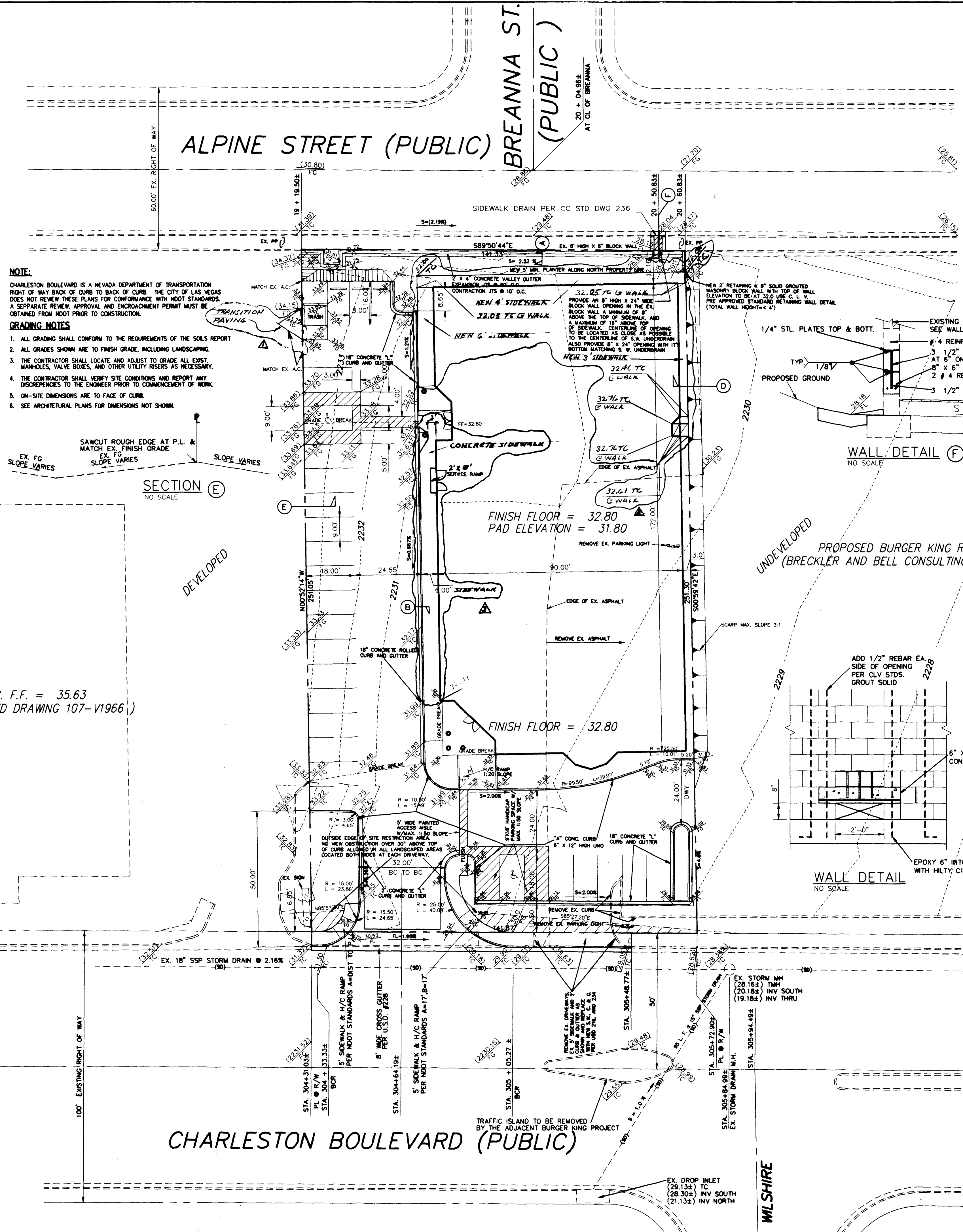
**DEVIATIONS FROM STANDARDS**  
"NONE"

**SHEET INDEX**

- C-1 GRADING PLAN
- C-2 UTILITY PLAN

**LEGEND**

- TC TOP OF CURB
- FL FLOW LINE
- VG VALLEY GUTTER
- FG FINISH GRADE
- EX EXISTING
- BCR BACK OF CURB RETURN
- GB GRADE BREAK
- (95.6) EXISTING GRADE
- 2234- EXISTING GROUND CONTOUR
- 1.00% DIRECTION & RATE OF GRADE
- ▲ VARIABLE SCARP (3:1 MAX.)



**REVISIONS**

NO.	DATE	DESCRIPTION	BY	APP'D
1	3-10-98	ADD # 3' CONCRETE SIDEWALK	JRV	
2	1-22-98	ADD # 3' CONCRETE SIDEWALK	JRV	
3	1-8-98	ESTIMATE & PLAN PRELIMINARY	JRV	

**JOHN R. VEGA CONSULTING ENGINEERS INC.**  
3200 W. CHARLESTON BLVD. SUITE 301  
LAS VEGAS, NV 89102  
(702) 259-8086

DATE: 11-23-97  
JOB NO: 37-1  
DRAWN BY: JRV  
CHECKED BY: JRV  
SHEET: C-1 OF 2

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AS APPLICABLE TO THE STATE OF MISSISSIPPI, AND THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION, AS APPLICABLE TO THE STATE OF MISSISSIPPI.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.

3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.

5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE THROUGHOUT THE PROJECT.

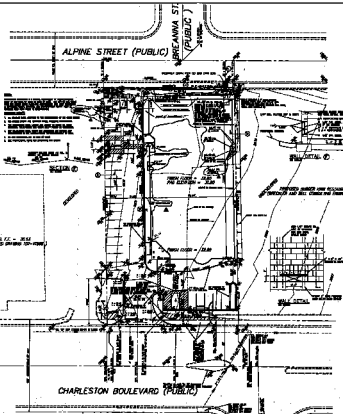
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL ENVIRONMENTAL FEATURES.

7. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING CURBS AND GUTTERS.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF ALL EXISTING LANDSCAPE FEATURES.

9. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SIDEWALKS AND CROSSWALKS.

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OFFICE OF  
 ENGINEERING  
 1000 ...  
 JACKSON, MISSISSIPPI



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  - EXISTING SIDEWALK
  - EXISTING DRIVEWAY
  - EXISTING UTILITY
  - EXISTING STRUCTURE
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**SHEET INDEX**  
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 C-2 UTILITY PLAN

JOHN R. VECA  
 CONSULTING ENGINEERS, INC.  
 1000 ...  
 JACKSON, MISSISSIPPI

100'S BELL  
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