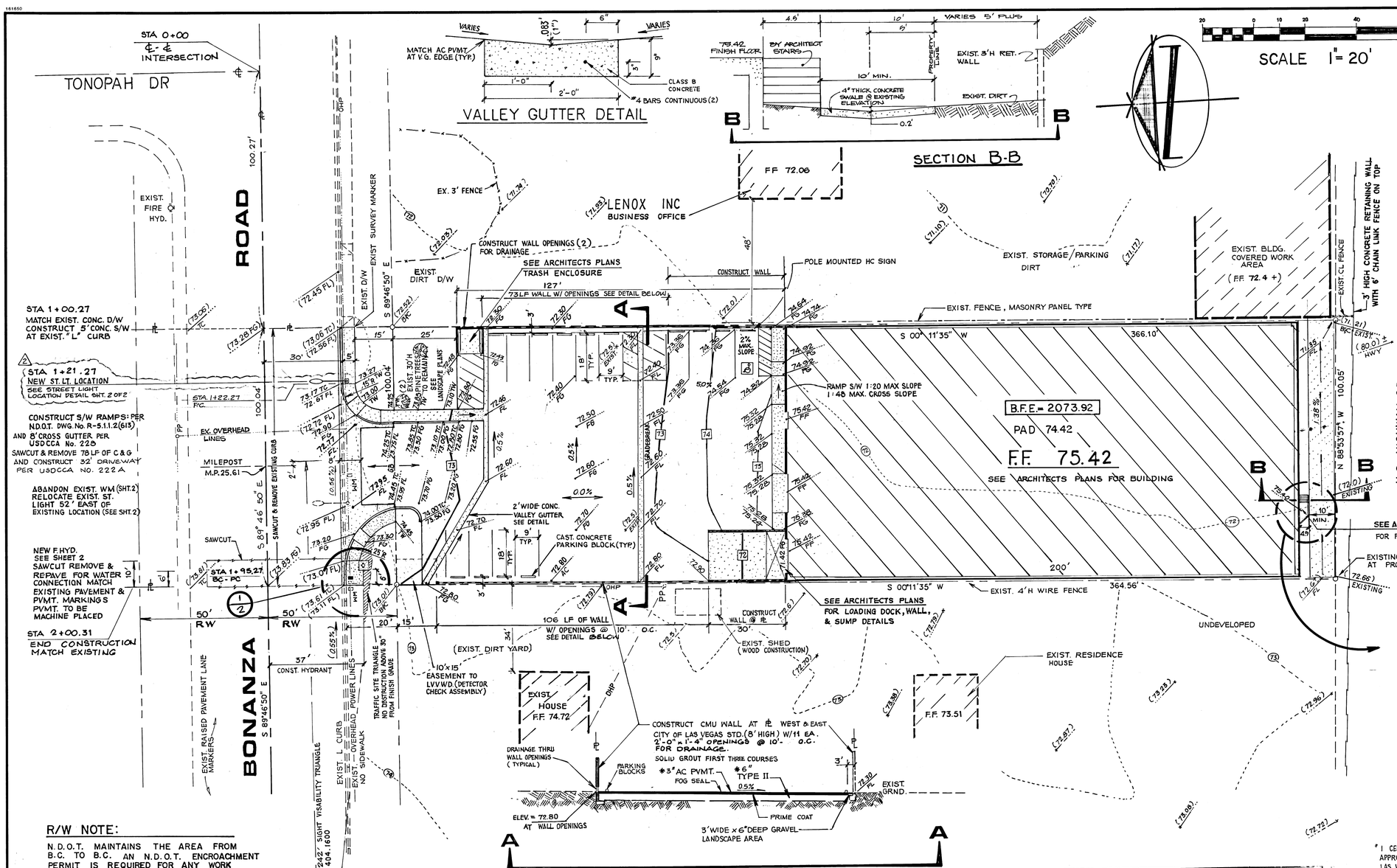


R/W NOTE:

N.D.O.T. MAINTAINS THE AREA FROM B.C. TO B.C. AN N.D.O.T. ENCROACHMENT PERMIT IS REQUIRED FOR ANY WORK IN THIS AREA.

UTILITY NOTES

THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON HAS BEEN DETERMINED FROM SURFACE EVIDENCE OF THEIR EXISTENCE OR FROM INFORMATION OBTAINED FROM THE UTILITY COMPANIES. THE ENGINEER ACCEPTS NO LIABILITY FOR THE EXISTENCE OR NON-EXISTENCE OF UTILITY LINES. CONTRACTORS AND OTHERS USING THIS MAP MUST CONFIRM THE LOCATION OF UNDERGROUND LINES OR STRUCTURES WITH THE UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

UNDERGROUND SERVICE ALERT (USA)

* REF. GEOTECHNICAL REPORT BY TERRACON CONSULTANTS PROJECT No. 649 55227 DATED 7-26-95 NOTE THAT A 2' MINIMUM OVEREXCAVATION IS REQUIRED WITHIN THE BUILDING AREA

CITY OF LAS VEGAS 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 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 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 BE 1/2" ABOVE LIP OF 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. 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 SURFACES 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 PAVEMENT CONDITION REQUIRES RELOCATION.

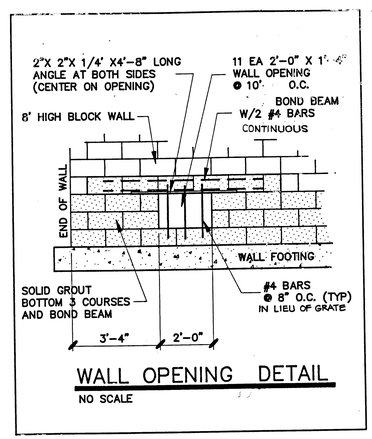
*15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.

*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 THE CITY ENGINEER.

17. WALL NOTES:
   A. ALL WALLS, 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.

REVISED 12/92 013M



WALL OPENING DETAIL

NO SCALE

BENCH MARK

W-398
U.S.G.&G.S. BRASS CAP AT THE NORTHEAST CORNER OF TONOPAH DRIVE AND BONANZA 25'±NORTH OF CURB AND 2'± WEST OF A 4' HIGH BLOCK WALL.
ELEVATION = 631.156 METERS = 2070.72 FEET
NAVD 88

BASIS OF BEARING

N 89°46'50" W – THE CENTERLINE OF BONANZA ROAD TO THE WEST FROM TONOPAH DRIVE AS SHOWN ON RECORD OF SURVEY FILE 36, PAGE 65 AND RECORD OF SURVEY FILE 66, PAGE 04, CLARK COUNTY RECORDS, NEVADA.

LEGEND

	PROPERTY LINE
	STREET CENTERLINE
	RETAINING WALL
	EXIST. EDGE OF AC PAVEMENT
	SAWCUT LINE
	EXIST. CONC. CURBING
	EXIST. CONC. SIDEWALK
00	EXIST. CONTOUR LINE
00	FINISHED GRADE CONTOUR LINE
(00.00)	EXIST. ELEVATION
00.00	DESIGN ELEVATION
TW	TOP OF WALK
FL	FLOW LINE
TC	TOP OF CURB
VG	VALLEY GUTTER
FG	FINISH GRADE
FF	FINISH FLOOR
TB	TOP OF BOX CULVERT
EP	EDGE OF PAVEMENT
EG	EXISTING GROUND
PP	EXISTING POWER POLE
WV	EXISTING WATER VALVE
—W—	EXISTING WATER LINE
—S—	EXISTING SEWER LINE
—G—	EXISTING GAS LINE
—T—	EXISTING TELEPHONE CABLE
—OHP—	EXISTING OVERHEAD POWER/TEL LINE
	DRAINAGE FLOW ARROW

OFF SITE QUANTITIES	ESTIMATE ONLY
CURB & GUTTER "L" TYPE	69 LF
5' CONCRETE SIDEWALK	430 SF
CONCRETE CROSS GUTTER	252 SF
SIDEWALK RAMP	2 EA
4" ASPHALTIC CONCRETE PAVING	69 SY
TYPE II GRAVEL BASE	12 CY
DRIVEWAY	206 SF
8" WATER	60 LF
FIRE HYDRANT	1 EA

* I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS."

DEVIATIONS FROM STANDARDS

1. FIRE HYDRANT LOCATED WITHIN 6' OF A DRIVEWAY OR CURB RETURN

6-27-96

DENNIS ANDERSON
CITY OF LAS VEGAS CITY ENGINEER

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 "Deviations from Standards" in favor of the Uniform Standards Drawings and Specifications Clark County Area Nevada..

PROFESSIONAL ENGINEER STATE OF NEVADA JAMES W. LELAND 5/16/96 CIVIL No. 4932

31-2-187

107-V2541

REVISIONS			APP'D
DATE	NO.		
10/1/95	1	CHANGE 24' C/W TO 32' C/W	
7/8/96	2	REVISE RELOCATED STREET LIGHT PLACEMENT PER CLV	

PREPARED FOR:
WORTHEN DISTRIBUTORS
2123 BONANZA

DATE SEPT. 1995
DESIGN JWI
DRAWN U
CHECK
SCALE 1" = 20'

BAUGHMAN & TURNER INC.
CIVIL ENGINEERS LAND PLANNERS LAND SURVEYORS
1210 HINSON STREET (702) 870-8771 LAS VEGAS, NEVADA 89102

GRADING PLAN
WORTHEN DISTRIBUTORS

SECTION 29 TOWNSHIP 20 SOUTH RANGE 61 EAST MDBM
CITY OF LAS VEGAS CLARK COUNTY NEVADA

SHEET 1 OF 2
PROJ. Nº