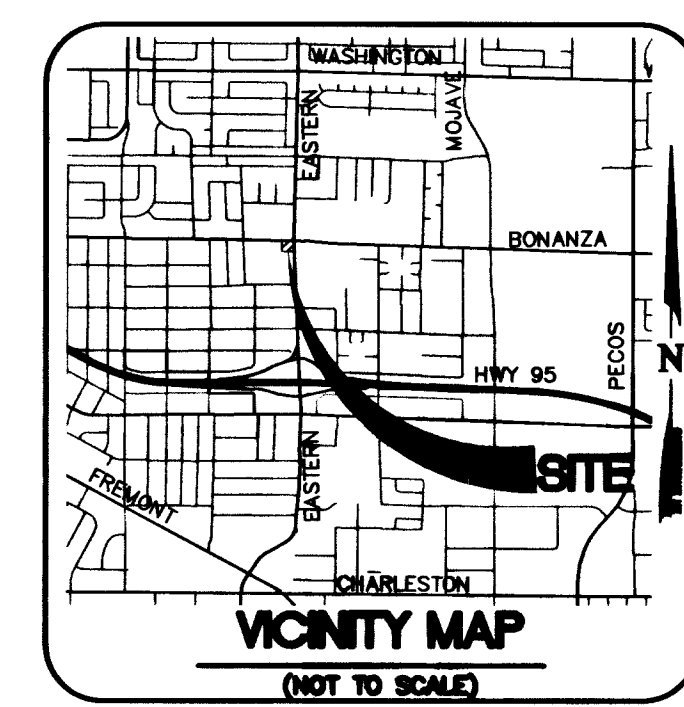
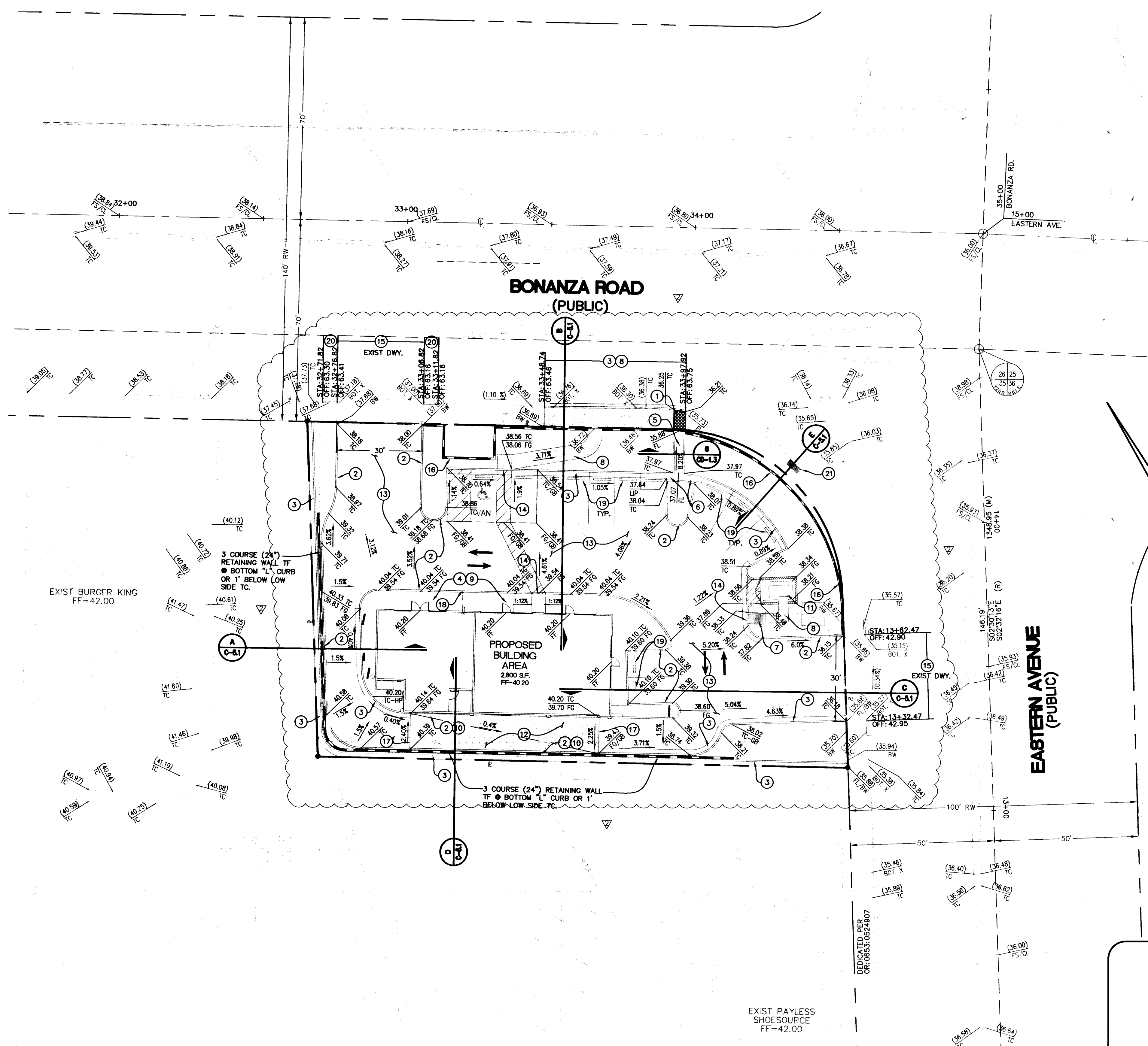
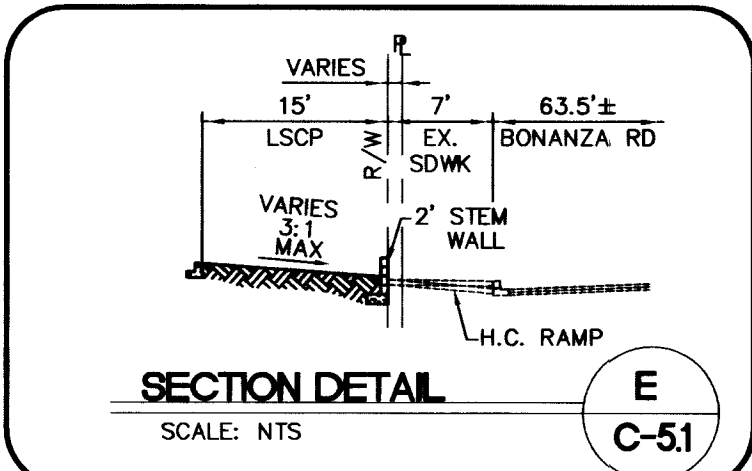
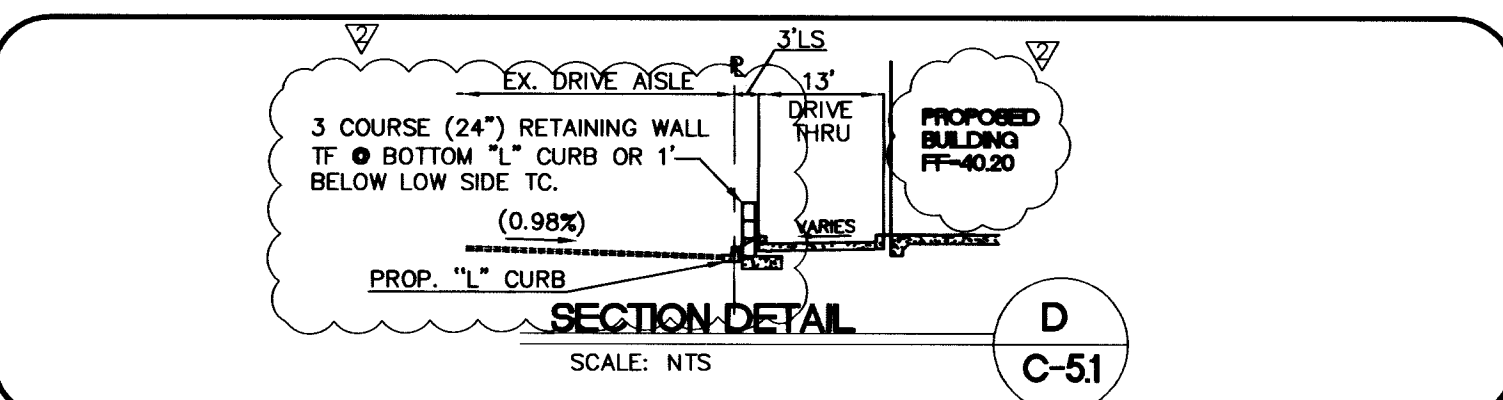
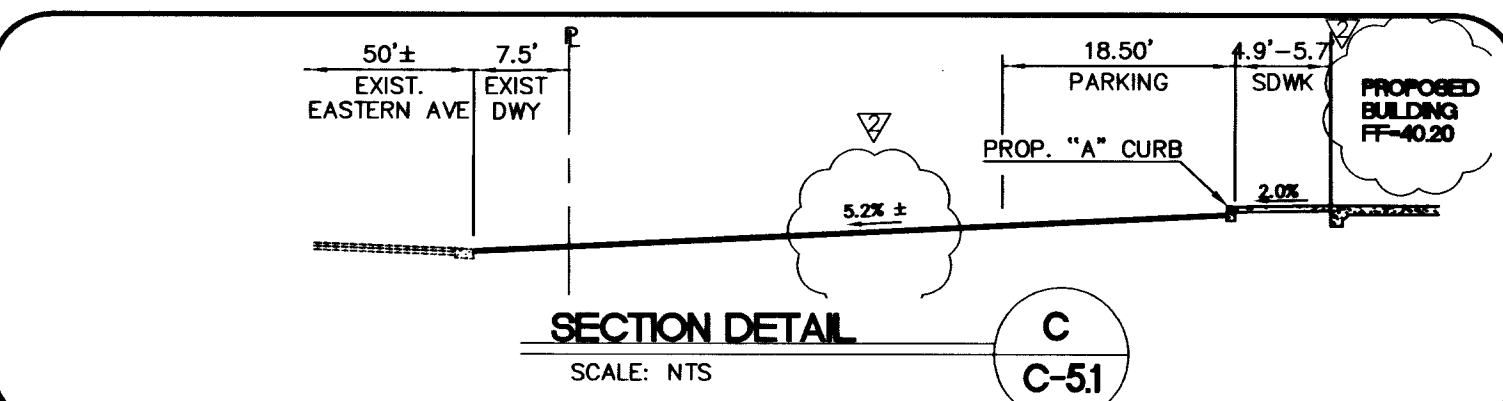
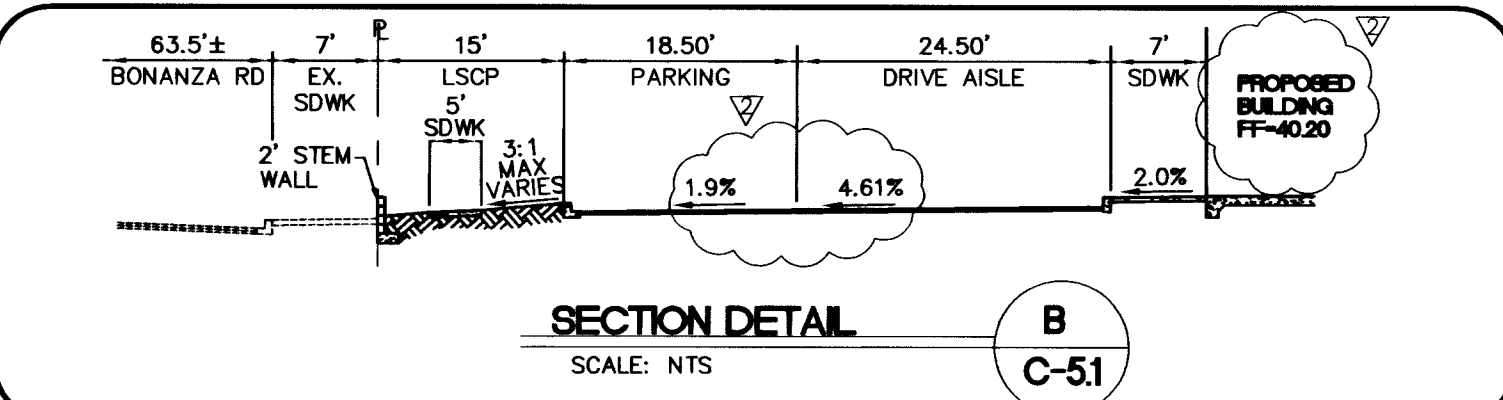
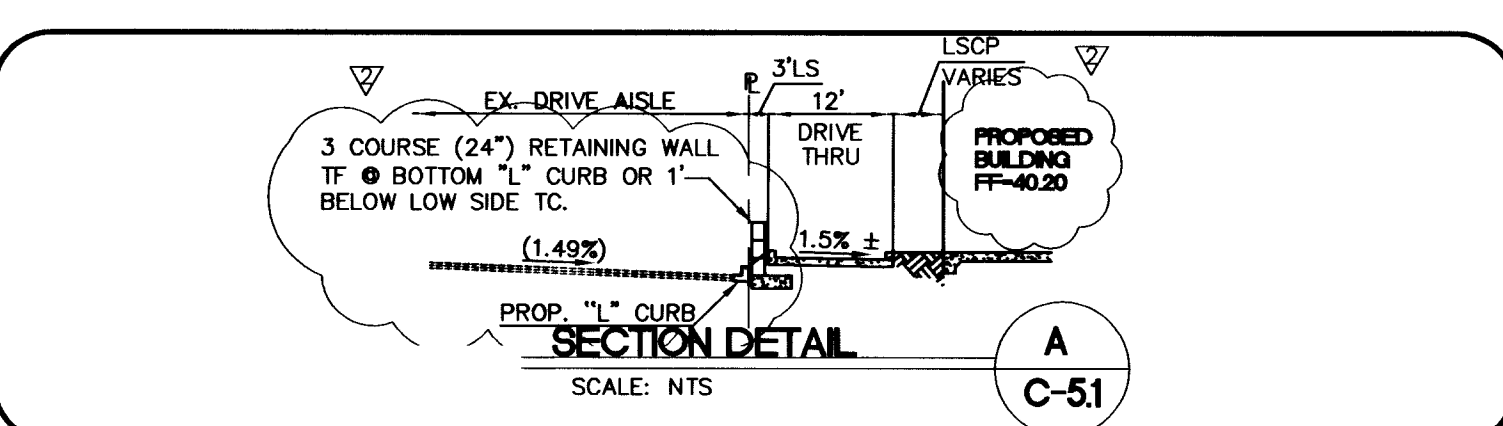


GRADING CONSTRUCTION NOTES	
ITEM #	DESCRIPTION
1	CONSTRUCT DUAL SIDEWALK UNDER DRAIN PER USDOCA DWG. NO. 236 & DETAIL 5, CD-1.3.
2	CONSTRUCT "A" TYPE CURB PER DETAIL 3, CD-1.3.
3	CONSTRUCT "L" TYPE CURB & GUTTER PER USDOCA STD. DWG. #216.
4	CONSTRUCT MONOLITHIC CURB AND SIDEWALK PER DETAIL 2, CD-1.3.
5	INSTALL 4" WIDE CONC. FLUME PER DETAIL 6, CD-1.3.
6	INSTALL 4" WIDE MODIFIED CONC. CHANNEL PER DETAIL 7, CD-1.3.
7	INSTALL SIDEWALK RAMP PER DETAIL 8, CD-1.3.
8	INSTALL CONCRETE SIDEWALK PER USDOCA STD DWG. #234.
9	INSTALL CONCRETE SIDEWALK SEE ARCHITECTURAL PLANS FOR SCORE, COLOR, AND TEXTURE.
10	CONSTRUCT MONOLITHIC CONCRETE CURB AND SLAB PER DETAIL 11, CD-1.3.
11	INSTALL TRASH ENCLOSURE SEE ARCHITECT SITE PLANS FOR DETAILS.
12	CONSTRUCT 3" CONCRETE PAVING OVER 10" TYPE II AGGREGATE BASE OVER 12" OF COMPACTED SUBGRADE PER THE GEOTECHNICAL REPORT AND DETAIL 10, SHEET CD-1.3.
13	CONSTRUCT 3" ASPHALT PAVING OVER 10" TYPE II AGGREGATE BASE OVER 12" OF COMPACTED SUBGRADE PER THE GEOTECHNICAL REPORT AND DETAIL 10, SHEET CD-1.3.
14	INSTALL 6" CURB FACE.
15	PROTECT IN PLACE.
16	INSTALL 2" STEM WALL PER DETAIL 9, CD-1.3.
17	INSTALL ASPHALT TURNDOWN PER DETAIL 1, CD-1.3.
18	INSTALL SQUARE TYPE ROOF DRAIN TO DAYLIGHT THROUGH FACE OF CURB.
19	INSTALL WHEEL STOP PER USDOCA DWG. NO. 238.
20	REMOVE & REPLACE SUBSTANDARD "L" TYPE CURB & GUTTER.
21	INSTALL ARMOR TILE TRUNCATED DOMES PER USDOCA DWG. NO. 235 (4 OF 4).

ALL EXISTING STORM DRAIN INFORMATION SHOWN ON EASTERN AVE & BONANZA RD WERE TAKEN FROM CLV DWG. # 107-VI211 DATED 02-26-82 TITLE "EASTERN AVE PLAN & PROFILE".

NOTE
THIS PROJECT SITE IS LOCATED WITHIN THE ZONE X OF THE FEMA MAPS.



CITY OF LAS VEGAS GRADING NOTES

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF EXCAVATION.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

A. PAVEMENT AREA SUBGRADE	HORIZONTAL 0.1"	VERTICAL COMPACTION +0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEERED FILL	0.5"	+0.1' TO -0.1'	SEE SOILS REPORT
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
- THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

BASIS OF BEARING:
NORTH 89°31'00" WEST BEING THE CENTER LINE OF BONANZA RD, SECTION 35, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.B. & M., AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE, AS FILE 88, PAGE 73 OF SURVEYS.

BENCHMARK:
CITY OF LAS VEGAS, 11V01 26SES
RIVET & PLATE IN TOP OF CURB @ NW CORNER OF BONANZA AND EASTERN
ELEVATION:
FEET = 1836.00 (NAVD88)
METERS = 683.680 (NAVD 88)

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS, DS-3946.

MATTHEW W. LOSER, PE No. 16467 DATE

Call before you Dig.

1-702-455-7911
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

Call before you Overhead.

1-702-593-6111
RENEW POWER ENVIRONMENT AND SAFETY SERVICES INTERNATIONAL

Call before you Dig.

1-800-227-2800
UNDERGROUND SERVICE ALERT (USA)

- GENERAL NOTES:**
- PROOF ROLL BUILDING AND ALL PARKING AREAS. NOTIFY THE ENGINEER OF ANY UNACCEPTABLE AREAS.
 - EDGE OF NEW PAVEMENT TO BE FLUSH WITH EXISTING PAVEMENT.
 - ALL SIDEWALK, CURB AND GUTTER STREET PAVING, CURB CUTS, DRIVEWAY APPROACHES, HANDICAP RAMP, ETC. CONSTRUCTED OUTSIDE THE PROPERTY LINE IN THE RIGHT-OF-WAY SHALL CONFORM TO ALL MUNICIPAL AND/OR STATE SPECIFICATIONS AND REQUIREMENTS.
 - FOR AREAS OUTSIDE THE PROPERTY LINES, REPAIR AND/OR REPLACE ALL DAMAGE DONE TO EXISTING ELEMENTS (SIDEWALKS, PAVING, LANDSCAPING, ETC.) AS REQUIRED BY OWNER AND/OR GOVERNING AUTHORITY.
 - FOR PROPOSED UTILITY LOCATIONS, SEE THE UTILITY PLAN.

REVISIONS	DATE	DESCRIPTION
1	07-27-07	REVISED GRADES PER
2	07-27-07	APPROVED HEARING
3	07-27-07	APPROVED HEARING

Planning/Civil Engineering/Surveying

1400 MAIN STREET, SUITE 400, WILLOW PARK, NV 89015
TEL: 702-468-0777 FAX: 702-468-0778

340 E. WILLOW PARK ROAD, SUITE 400, LAS VEGAS, NV 89015
TEL: 702-468-0777 FAX: 702-468-0778

ENGINEERING

PUBLIC WORKS PLAN CHECK

STATE OF NEVADA

MATTHEW W. LOSER
PE No. 16467

NEW MARKET LAND COMPANY

EASTERN + BONANZA
LAS VEGAS, NV

IMPROVEMENT PLANS

GRADING PLAN

DRAWN	NKZ
USER	ChrisJ
CHECKED	JO
TIME PLOTTED:	14:52:33
DATE PLOTTED:	04-27-07
ORIGINAL ISSUE DATE:	07-18-06
PERMIT SET ISSUE DATE:	TBD
CONSTRUCTION SET ISSUE DATE:	TBD
EN JOB No.	05-535

SHEET C-5.1
4 OF 6 SHEETS