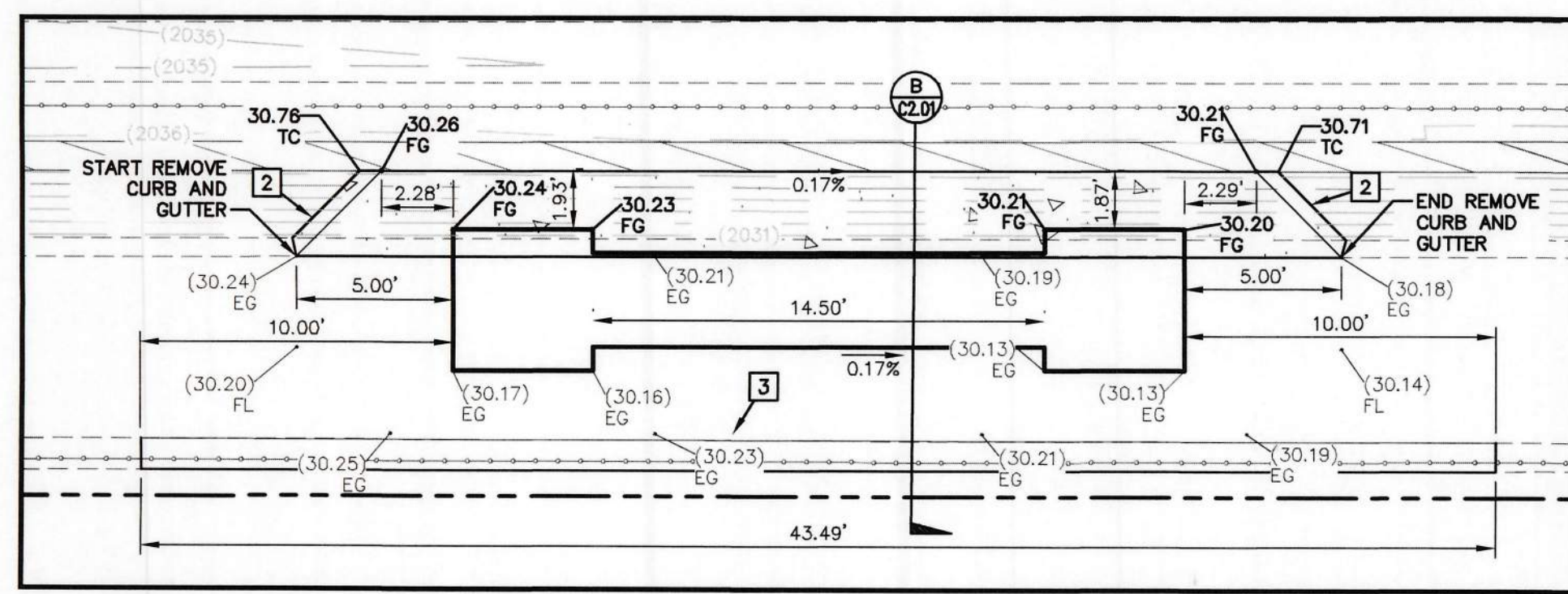
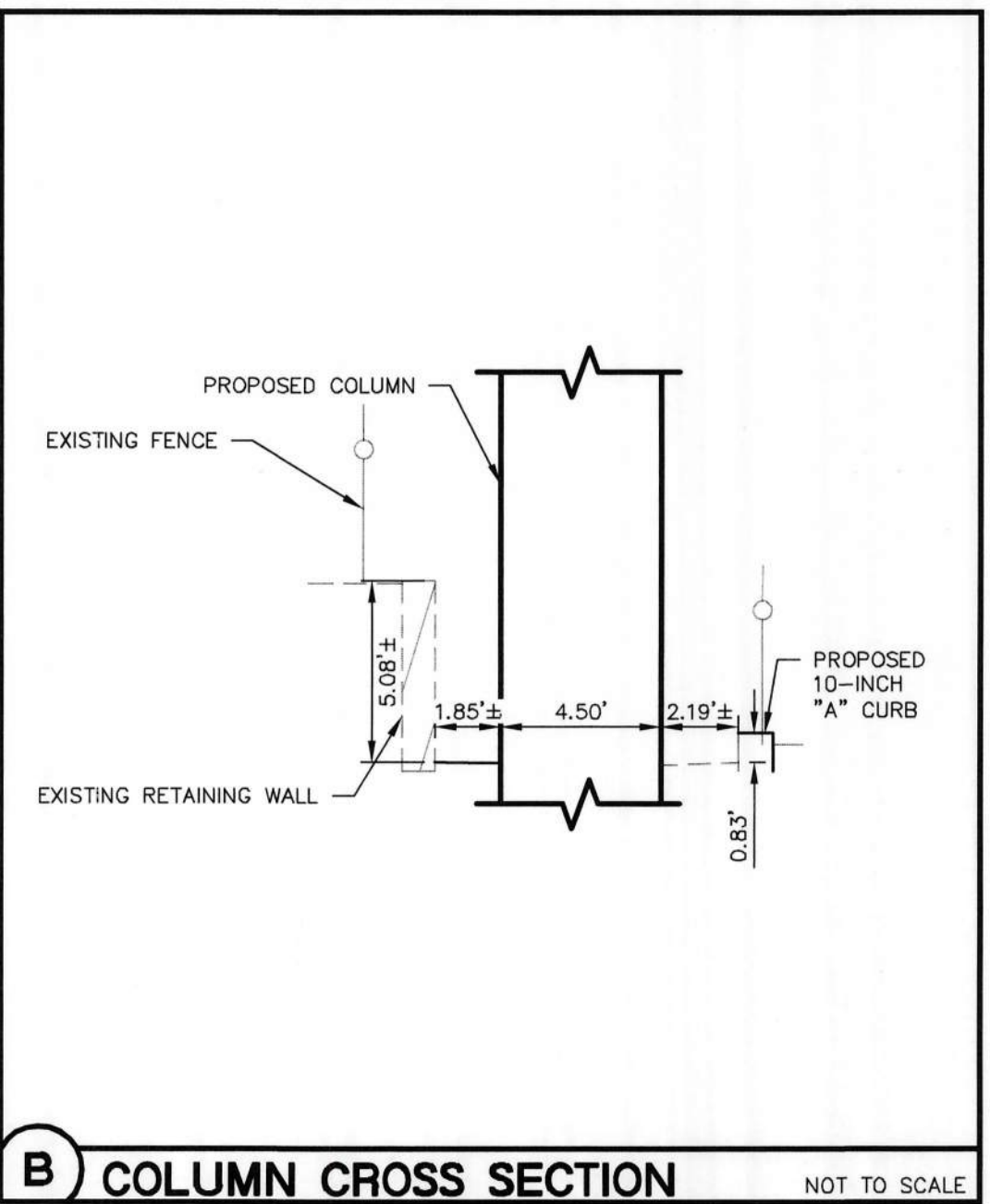


APN: 139-34-211-004  
OWNER: CITY OF LAS VEGAS  
SYMPHONY LOT L  
GARAGE

APN: 139-34-201-023  
OWNER: CITY OF LAS VEGAS  
500 MAIN STREET GARAGE

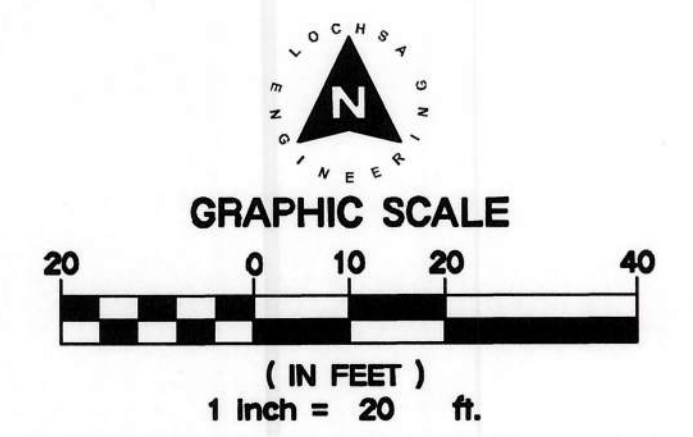


**DETAIL 'A'**  
SCALE: 1"=5'



**B) COLUMN CROSS SECTION** NOT TO SCALE

**A.P.N.:**  
139-34-211-004, 139-34-201-023  
**BASIS OF BEARINGS:**  
THE BASIS OF BEARINGS FOR THIS SURVEY IS EAST LINE OF LOT 5 OF THAT COMMERCIAL SUBDIVISION KNOWN AS "PARKWAY CENTER" AS SHOWN IN BOOK 53, PAGE 61 OF PLATS, IN THE CLARK COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.  
SAID LINE BEARS: NORTH 27°55'08" EAST  
**BENCHMARK:**  
BENCHMARK NO.: BLVOT 3ANNWA REVIET & PLATE TOP CURB CORNER GRAND CENTRAL PKWY & CITY PKWY ELEVATION: 2032.36 FEET / 619.464 METERS (NAVD '88 DATUM)

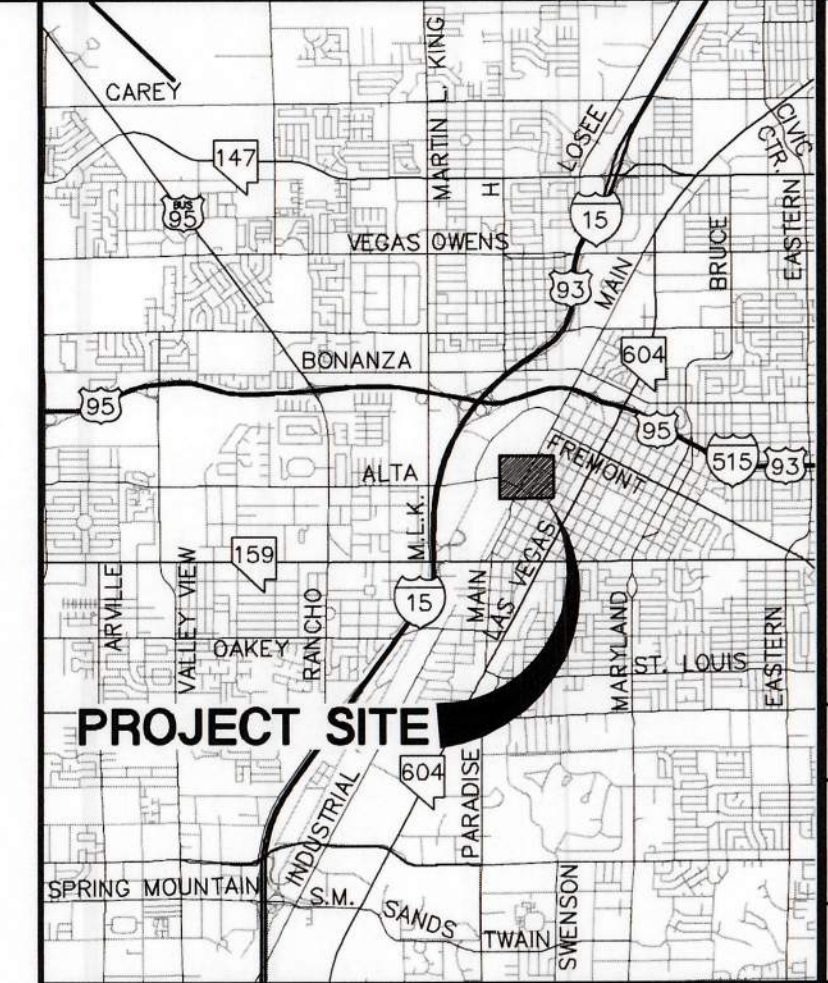


**STORMWATER MANAGEMENT NOTES:**

- STANDARD NOTE NO. 1: THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF THE CITY OF LAS VEGAS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
- STANDARD NOTE NO. 2: ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE LVMC 14.18.130 AND CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT'S HYDROLOGIC CRITERIA AND DRAINAGE DESIGN MANUAL SECTION 1500 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
- STANDARD NOTE NO. 3: TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.5.
- STANDARD NOTE NO. 4: AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
- STANDARD NOTE NO. 5: ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

**CONSTRUCTION NOTES:**

- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUDS)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
- SAWCUT AND/OR MATCH EX. GRADE AS REQUIRED. REFER TO CCAUSD NO. 500.5 FOR OFF-SITES. CONTRACTOR TO COORD. W/ QLV INSPECTOR FOR FINAL SAWCUT LOCATION & PAVEMENT RESTORATION.
  - CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON THIS SHEET.



**KEY MAP**  
NOT TO SCALE

**GRADING NOTES:**

- SEE "C1.02" FOR CLARK COUNTY STANDARD STORMWATER MANAGEMENT NOTES (LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES GUIDANCE MANUAL SECTION 3.5.1 STANDARD NOTES 1-5).
- SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL, UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS OR THE PROJECT SOILS REPORT.
- CONTRACTOR SHALL DETERMINE THEIR OWN FOOTING EXCAVATION QUANTITIES. STRUCTURAL BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION. REFER TO THE REPORT PREPARED BY NINYO & MOORE GEOTECHNICAL & ENVIRONMENTAL SCIENCES CONSULTANTS; PROJECT No. 304865001, DATED JANUARY 26, 2022.

**ELEVATION NOTE:**

ADD 2000 FEET TO ALL ELEVATION TAGS SHOWN.

**FLOODZONE NOTE:**

THE PROJECT SITE IS COVERED BY THE FLOOD INSURANCE RATE MAPS (FIRM) FOR THE CLARK COUNTY, NEVADA, AND INCORPORATED AREAS, COMMUNITY PANEL NO. 3200321709 (CITY OF LAS VEGAS PANEL NO. 325276201709), REVISED NOVEMBER 16, 2011. THE SITE IS WITHIN A FEMA DESIGNATED ZONE "X" (UNSHADED), DESCRIBED AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN."

**STORM DRAIN NOTES:**

- ALL ONSITE STORM DRAINS AND THE ASSOCIATED FACILITIES ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY PROPERTY OWNER.
- CONSTRUCTION OF ALL STORM DRAIN DROP INLETS PER USDOCCA DRAWING NO. 421 (STORMWATER QUALITY MANAGEMENT STAMP AND SIGN DETAIL).

**GRADING PLAN CERTIFICATION**

IAN K JOHNSTON PE #12181; DATE: 09/01/2022  
I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY NO. \_\_\_\_\_ FOR THIS SITE ON FILE AT CITY OF LAS VEGAS.

**UTILITY NOTE:**

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.  
**Call before you Dig**  
Avoid hitting overhead power lines. It's costly. Avoid cutting underground utility lines. It's costly.

**CALL 811** before you dig  
**FAST Underground**  
1-800-642-2444  
1-702-432-5300  
1-702-227-2929

|                   |               |              |                  |                  |                |                |       |               |             |          |                 |       |                        |                      |                |               |          |            |                      |                          |                          |  |
|-------------------|---------------|--------------|------------------|------------------|----------------|----------------|-------|---------------|-------------|----------|-----------------|-------|------------------------|----------------------|----------------|---------------|----------|------------|----------------------|--------------------------|--------------------------|--|
| CL OR SURVEY LINE | EASEMENT LINE | DESCRIPTION: | BUILDING OUTLINE | EDGE OF PAVEMENT | "A" TYPE CURBS | "L" TYPE CURBS | WALLS | CONTOUR LINES | AC PAVEMENT | CONCRETE | SPOT ELEVATIONS | SIGNS | MANHOLE W/ DESCRIPTION | MANHOLE DESCRIPTIONS | FIRE HYDRANTS  | GATE VALVES   | REDUCERS | CLEAN OUTS | UTILITY BOX OR VAULT | 60' ROW LED STREETLIGHTS | 80' ROW LED STREETLIGHTS | 100' ROW LED INTERSECTION STREETLIGHTS |
| PROPERTY LINE     | SAWCUT LINE   | EXISTING:    |                  |                  |                |                |       | (212)         |             |          | (12.34) BC      |       | ⊙ = SANITARY SEWER     | ⊙ = STORM DRAIN      | ⊙ = ELECTRICAL | ⊙ = TELEPHONE |          |            |                      |                          |                          |  |
| ROW LINE          | SCARP LINE    | PROPOSED:    |                  |                  |                |                |       | (212)         |             |          | (12.34) BC      |       |                        |                      |                |               |          |            |                      |                          |                          |  |

**Lochsa Engineering**  
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Las Vegas, NV 89118  
Phone (702) 365-8312  
www.lochsa.com

**CLV SYMPHONY PARK L GARAGE EXPANSION AND VEHICULAR BRIDGE CITY OF LAS VEGAS, NV**

**GRADING PLAN**

SHEET No. **C2.01**  
SHEET 3 OF 3

PROJECT No.: 211217  
DATE: 09/01/2022  
SCALE: 1" = 20'  
DRAWN BY: CV  
DESIGNED BY: CV  
CHECKED BY: IJ

DATE: \_\_\_\_\_  
REV.: \_\_\_\_\_