



**COLLINS  
ENGINEERS**

- COLLINS ENGINEERS INC., ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION, DEPTH, ELEVATION AND TYPE OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.**

**CALL BEFORE YOU DIG**  
 CALL 800-UNDERGROUND  
 UTILITY LINES. IT'S COSTLY.



**CALL 1-800-432-5300**  
(PITTSBURGH) 724-260-7000

**AVOID HITTING OVERHEAD POWER LINES IT'S COSTLY.**



**1-800-227-2929**

## REVISÉ JUNE 4, 2018 (LD VERSION)

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 CLARK COUNTY PUBLIC RIVER, OR ANY OTHER RECEIVING WATER BODY, AND ALL ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM DRAIN SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION OR IF THE CITY OF LAS VEGAS DETERMINES THAT THE CONSTRUCTION ACTIVITIES SPECIFIED BY THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDE MANUAL.
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 HAS BEEN COMPLETED. THIS SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY. REFER TO THE NEVADA STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.5.
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 CONSTRUCTION, VEHICLE, AND CONTRACTOR ACCESS, AND ALL AREAS 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 STORM WATER POLLUTION PREVENTION PLAN NECESSARY TO MAINTAIN THE STORM WATER POLLUTION PREVENTION PLAN IN SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVRI000000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMP'S SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORM WATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHEN THE EROSION IS EXPOSED. SEDIMENT SHALL BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

- | ITEM DESCRIPTION                    | QUANTITY | UNIT |
|-------------------------------------|----------|------|
| 1. TYPE II GRAVEL BASE              | 5        | CY   |
| 2. 3" ASPHALTIC CONCRETE PAVING     | 46       | SY   |
| 3. CURB AND GUTTER (TYPE "L" & "A") | 20       | LF   |
| 4. SIDEWALK 4"                      | 580      | SF   |
| 5. SIDEWALK RAMP                    | 6        | EA   |
| 6. PAVEMENT STRIPING COLLECTOR      | 840      | LF   |
| 7. PAVEMENT STRIPING ARTERIAL       | 44       | LF   |

BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

5. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORM WATER 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.

715-212

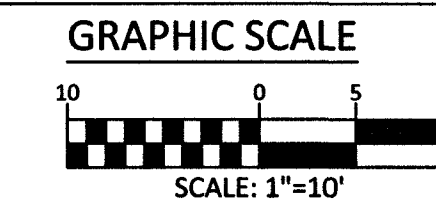
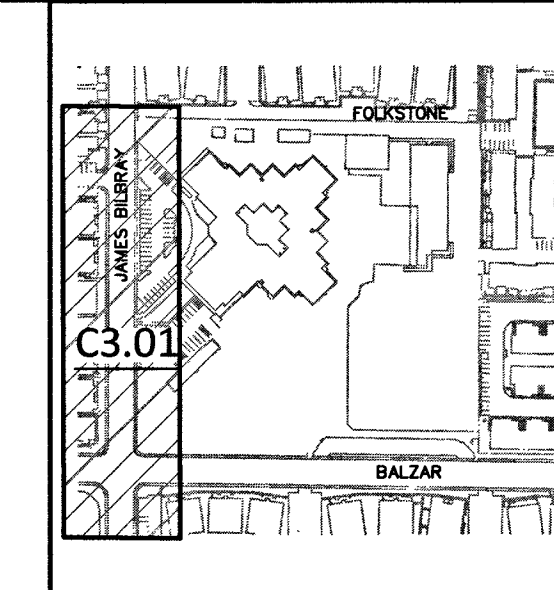
LILLY &amp; WING FONG ELEMENTARY

**APN: 138-23-101-001**

## GENERAL NOTES

JAMES BILBRAY DRIVE  
CITY OF LAS VEGAS, NEVADA

PROJ. # 135376A QS: 138-23-NW



### BASIS OF BEARING

NORTH 89°07'18" WEST, BEING THE BEARING OF THE CENTERLINE OF BALZAR AVENUE AND THE NORTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 23, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN IN BOOK 50 OF PLATS. AT PAGE 80, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

## BENCHMARK

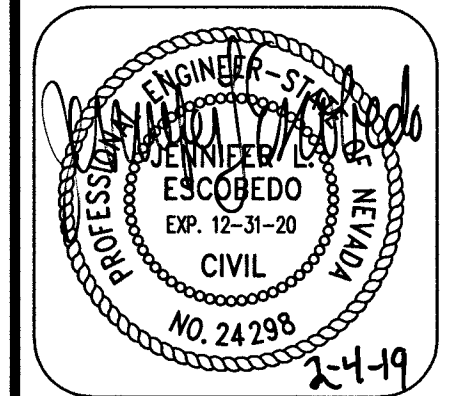
CITY OF LAS VEGAS BENCHMARK "3C21 31NNE6 2003", BEING A RM  
IN THE TOP OF CURB, NORTH SIDE OF SMOKE RANCH @ JAMES  
BILBRAY.

ELEVATION: 2309.51 (US SURVEY FEET)  
703.94 (METERS)

BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



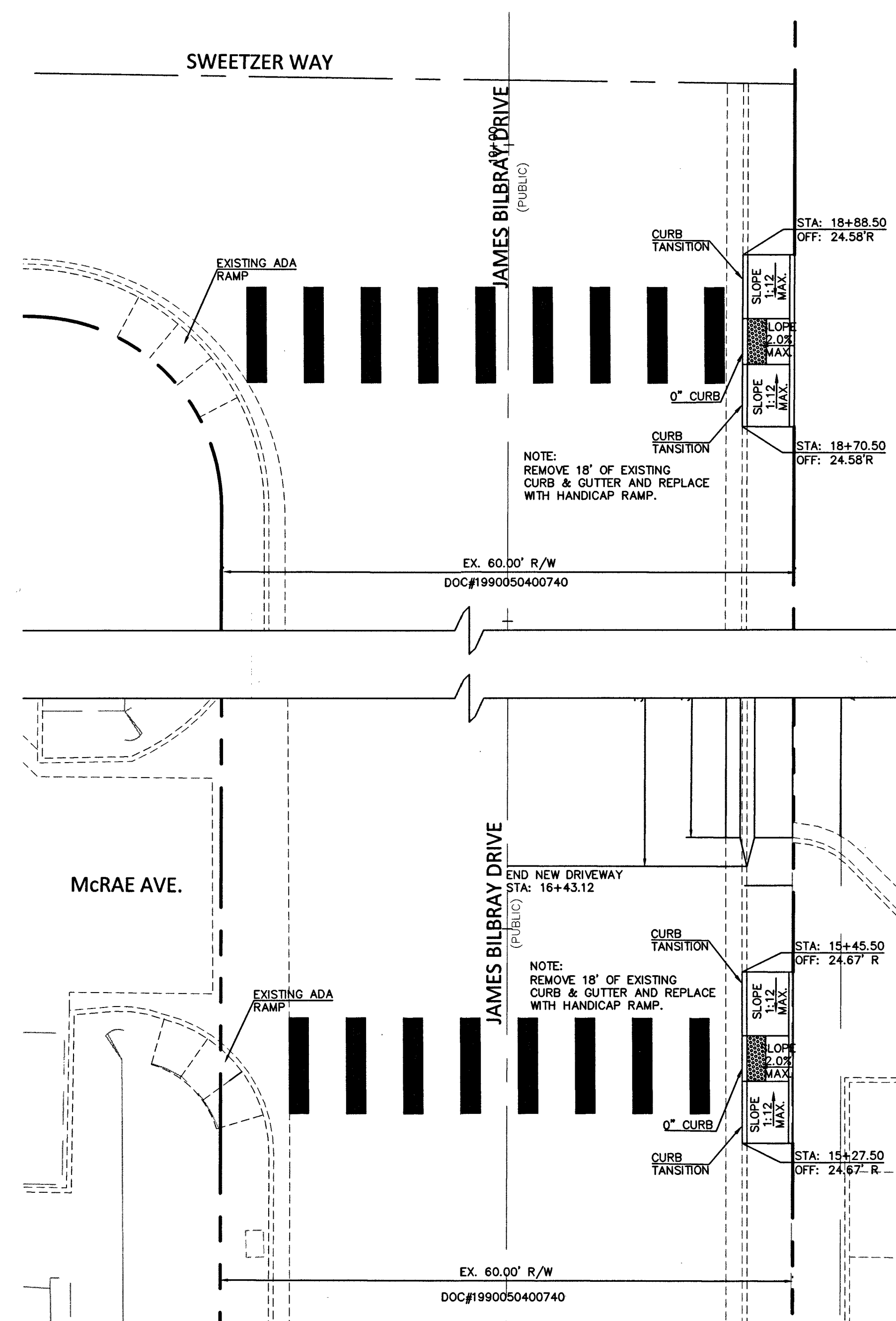
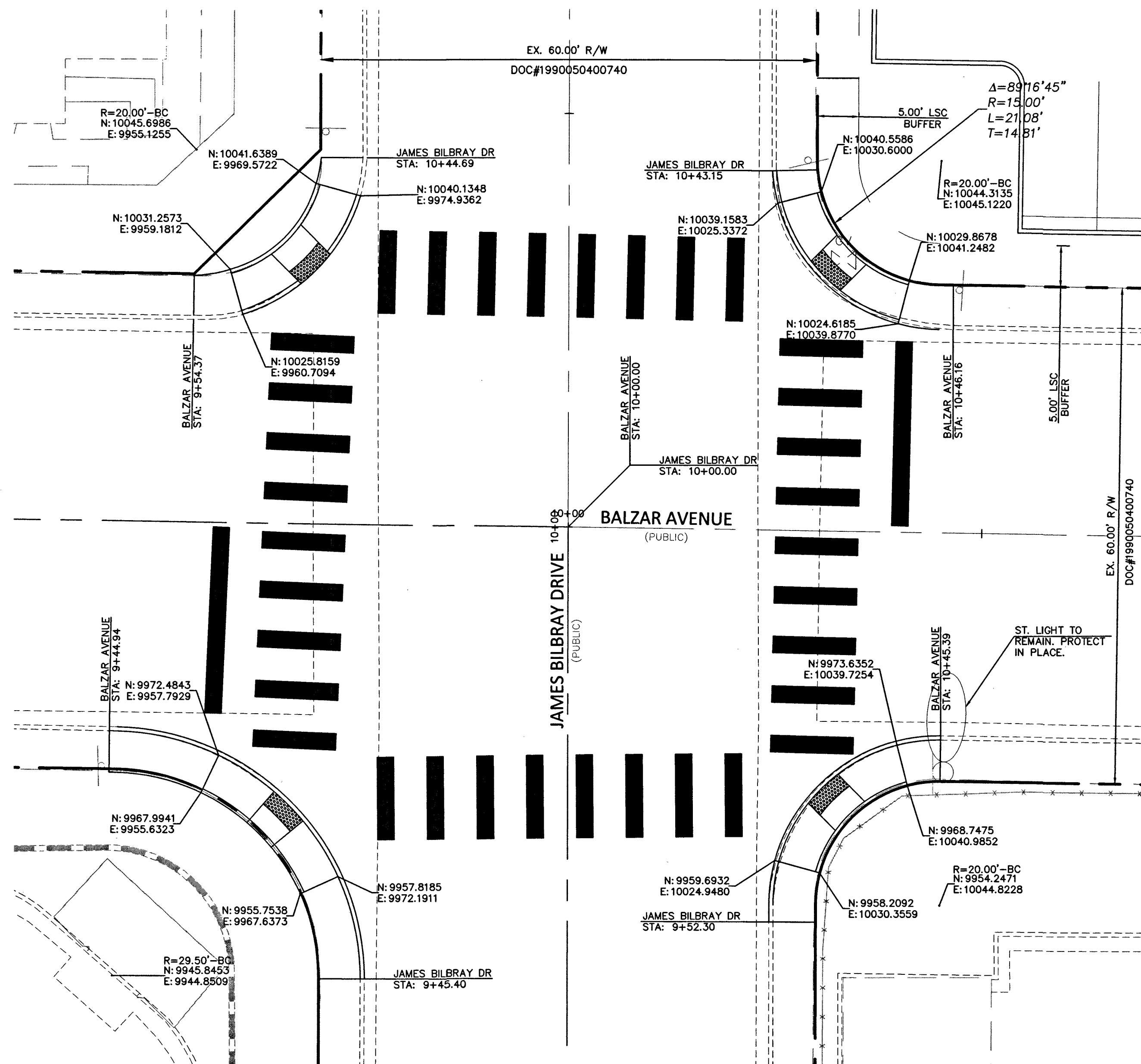
3130 S. DURANGO DR., SUITE 404  
LAS VEGAS, NV 89117  
PHONE: (702) 248-8000  
FAX: (702) 248-8070  
[www.collinsengr.com](http://www.collinsengr.com)



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SCHOOL  
APN: 138-23-101-001**

JAMES BILBRAY DRIVE  
CITY OF LAS VEGAS, NEVADA

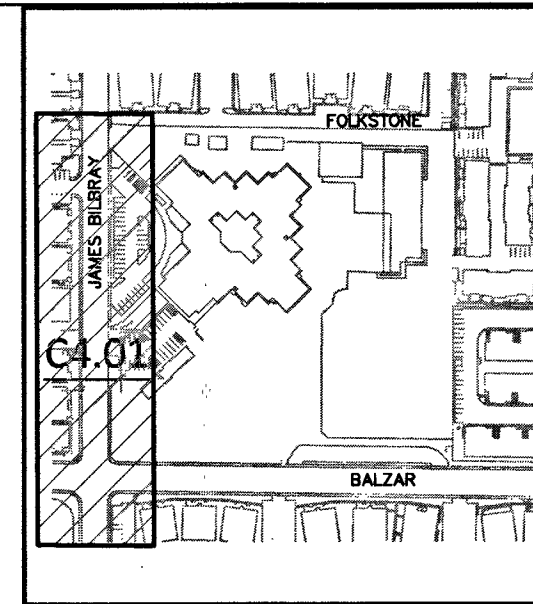
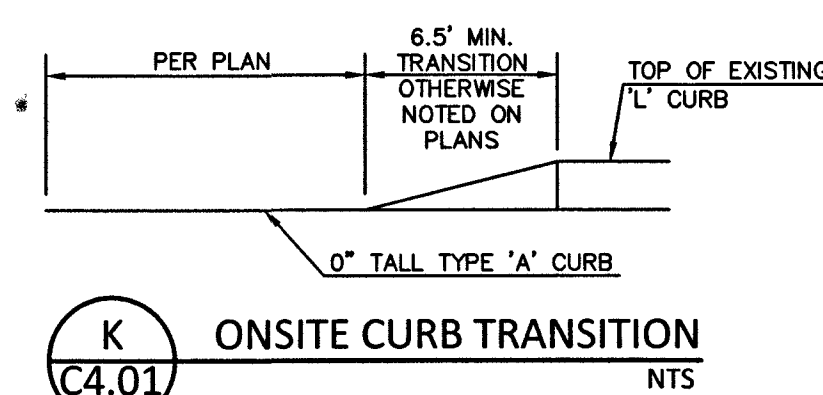
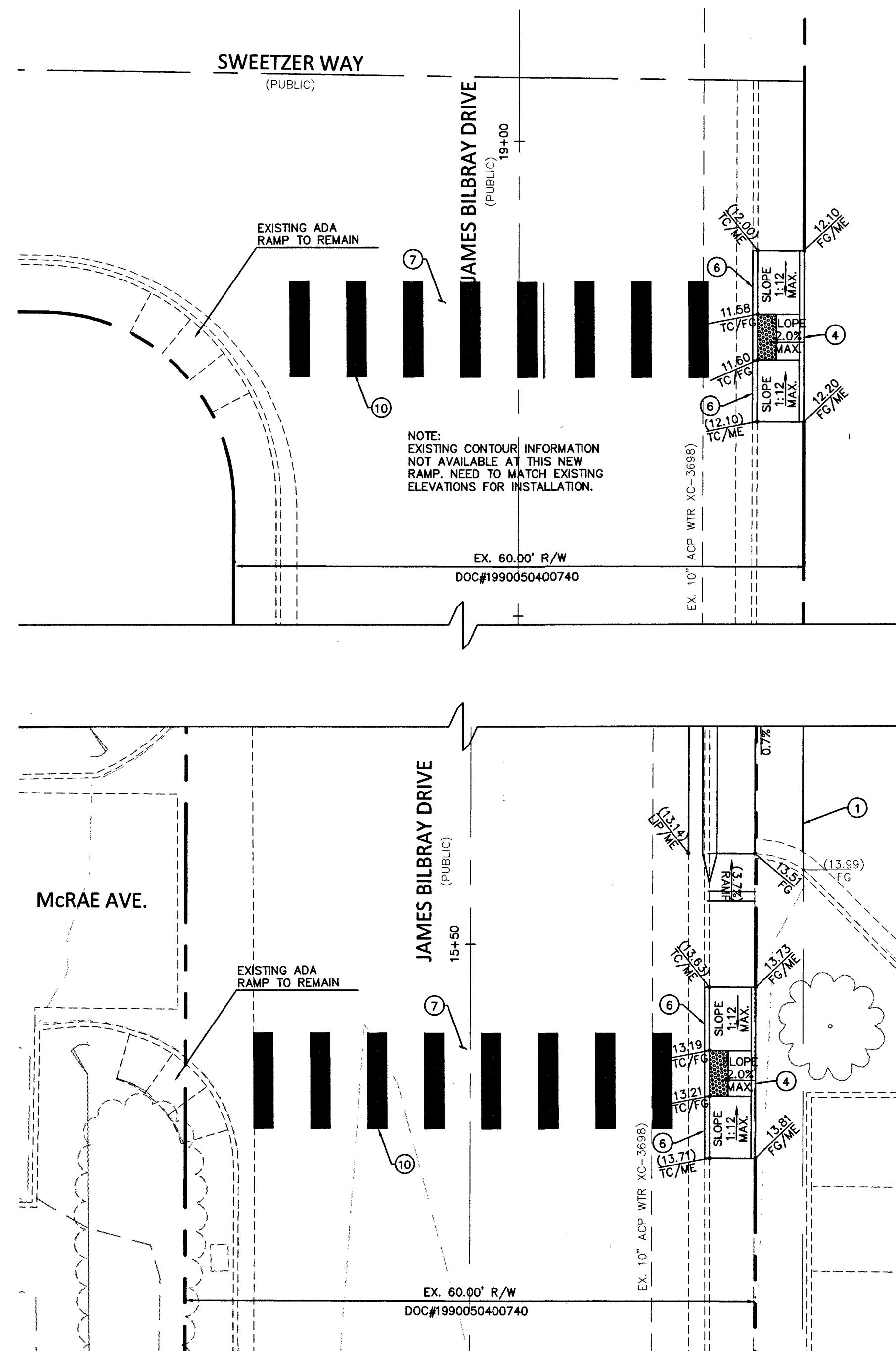
| DESCRIPTION                  |  | DESIGN BY | DATE | NO. |
|------------------------------|--|-----------|------|-----|
| CEI PROJECT:                 |  | 10482     |      |     |
| DESIGN BY:                   |  | JDM/SR    |      |     |
| DRAWN BY:                    |  | JDM/SR    |      |     |
| CHECKED BY: A. PINEDA        |  |           |      |     |
| DATE:<br>07/25/18            |  |           |      |     |
| SCALE:<br>1" = 10'           |  |           |      |     |
| SHEET NUMBER<br><b>C3.01</b> |  |           |      |     |
| SHEET 3 OF 4                 |  |           |      |     |



|                                                                                                                                          |                                                                                                                                                                                                                                                   |                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <p>CALL BEFORE YOU DIG<br/>AVOID CUTTING UNDERGROUND<br/>UTILITY LINES. IT'S COSTLY</p> <p>Call<br/><b>811</b></p> <p>1-800-227-2600</p> | <p>AVOID HITTING UNDERGROUND<br/>TRAFFIC SIGNALS AND LIGHT<br/>SYSTEMS. IT'S COSTLY.</p> <p>CALL BEFORE<br/>YOU DO<br/>UNDERGROUND<br/>WORK</p> <p>CALL 1-702-455-7511<br/>CAMP COUNTY BEACON<br/>CALL 1-702-432-5300<br/>(PREFERRED SERVICE)</p> | <p>AVOID HITTING OVERHEAD<br/>POWER LINES. IT'S COSTLY.</p> <p>CALL BEFORE<br/>YOU DO<br/>OVERHEAD<br/>WORK</p> <p>1-702-227-2929</p> |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

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[illegible]



**GRAPHIC SCALE**

10 0 5 1

SCALE: 1"=10'

### BASIS OF BEARING

NORTH 89°07'18" WEST, BEING THE BEARING OF THE CENTERLINE OF BALZAR AVENUE AND THE NORTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 23, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN IN BOOK 50 OF PLATS. AT PAGE 80, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

## BENCHMARK

CITY OF LAS VEGAS BENCHMARK "3C21 31NNE6 2003", BEING A RM  
IN THE TOP OF CURB, NORTH SIDE OF SMOKE RANCH @ JAMES  
BILBRAY.

ELEVATION: 2309.51 (US SURVEY FEET)  
703.94 (METERS)

BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

## CONSTRUCTION NOTES

| NO.  | ITEM                                                                                 | USCCA: UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA |
|------|--------------------------------------------------------------------------------------|----------------------------------------------------|
| (1)  | NOT USED                                                                             |                                                    |
| (2)  | NOT USED                                                                             |                                                    |
| (3)  | CONSTRUCT 4" CONCRETE SIDEWALK PER CCAUSD No. 234.                                   |                                                    |
| (4)  | CONSTRUCT MODIFIED HANDICAP RAMP                                                     |                                                    |
| (5)  | NOT USED                                                                             |                                                    |
| (6)  | CONSTRUCT TRANSITION FROM 0" CURB TO 6" CURB PER DETAIL 'K' THIS SHEET               |                                                    |
| (7)  | REMOVE AND REPLACE EXISTING ASPHALT AS NECESSARY FOR ADDITION OF CROSSWALK STRIPING. |                                                    |
| (8)  | NOT USED                                                                             |                                                    |
| (9)  | REMOVE EXISTING HANDICAP RAMP AND REPLACE WITH NEW RAMP PER USCCA NO. 235            |                                                    |
| (10) | INSTALL CROSSWALK MARKINGS (TYPE I) PER USCCA NO. 254.                               |                                                    |
| (11) | REMOVE AND REPLACE SPANDRELS ONLY IF NECESSARY                                       |                                                    |

NOTE:  
PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

**GENERAL NOTE:**

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE A NOTICE OF INTENT/REQUEST TO BE INCLUDED IN THE STORM WATER GENERAL PERMIT, AND SUBMIT THE ASSOCIATED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY FEDERAL, AND MONITORED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION.

**NOTE:**

PROPERTY OWNER IS RESPONSIBLE TO MAINTAIN THE BEST MANAGEMENT PRACTICES SUCH AS BUT NOT LIMITED TO THE REMOVAL OF ACCUMULATED SEDIMENT AND DEBRIS AND CARE OF THE VEGETATION.

**NOTE TO CONTRACTOR:**

CONTRACTOR SHALL PROVIDE EROSION CONTROL IN ALL LANDSCAPE AREAS WHERE ROOF DRAINS DISCHARGE TO GRADE UNLESS OTHERWISE NOTED HEREON.

**FLOOD ZONE NOTE:**

THE PROJECT SITE LIES WITHIN ZONE X AS PER FEMA FIRM PANEL 32003C2155F DATED NOVEMBER 16, 2011. PROPERTY IS LOCATED WITHIN UNSHADED FLOOD ZONE "X". UNSHADED FLOOD ZONE "X" IS DESCRIBED BY FEMA AS AN AREA TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

APPROVED FOR CONSTRUCTION

  
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 135376

FIRST APPROVED DATE: 2/6/19

**COLLINS  
ENGINEERS<sup>®</sup>**  
33130 S. DURANGO DR., SUITE 404  
LAS VEGAS, NV 89117  
PHONE: (702) 248-8000  
FAX: (702) 248-8070  
[www.collinsengr.com](http://www.collinsengr.com)



**LILLY & WING FONG ELEMENTARY  
SCHOOL  
APN: 138-23-101-001**

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## GRADING PLAN 1

JAMES BILBRAY DRIVE  
CITY OF LAS VEGAS, NEVADA

[illegible]

|              |       |
|--------------|-------|
| CEI PROJECT: | 10482 |
|--------------|-------|

|            |       |
|------------|-------|
| DESIGN BY: | JDMSR |
|------------|-------|

|           |       |
|-----------|-------|
| DRAWN BY: | JDMSR |
|-----------|-------|

CHECKED BY: A. PINEDA

DATE:

|          |
|----------|
| 07/25/18 |
|----------|

SCALE:  
1" = 10'

SHEET NUMBER

C1.01

C4.01  
SHEET 1 OF 1

118-01442

|                                                                                                                                              |                                                                                                                                                                                                                                            |                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
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| LEGEND | EXISTING                                                                              |                                                                                       | PROPOSED       |                                                                                                                    | EXISTING | PROPOSED |  | <br>PL—RIGHT-OF-WAY<br><br>PL—ADJACENT CENTERLINE<br><br>EASEMENT LINE<br><br>FLOW LINE<br><br>SAWCUT LINE<br><br>ADA ACCESS |
|--------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------|----------|----------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | (0.00%)                                                                               | 0.00%                                                                                 | SLOPE          | <br>AC PAVEMENT               |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        | (XX.XX)                                                                               | XX.XX%                                                                                | ELEVATION TAG  | <br>6" TYPE "A" CURB          |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        |  |  | STORM MANHOLE  | <br>6" TYPE "C" CURB & GUTTER |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        |  |  | DRAIN INLET    | <br>30" ROLL CURB             |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        | -00-                                                                                  | -00-                                                                                  | CONTOUR        |                                                                                                                    |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        |  |  | RETAINING WALL |                                                                                                                    |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        |  |  | SCREEN WALL    |                                                                                                                    |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        |  |  |                |                                                                                                                    |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|        |  |  |                |                                                                                                                    |          |          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |