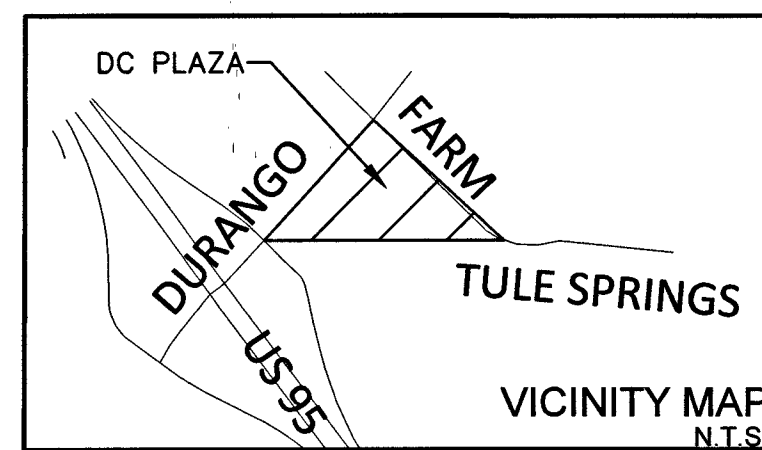
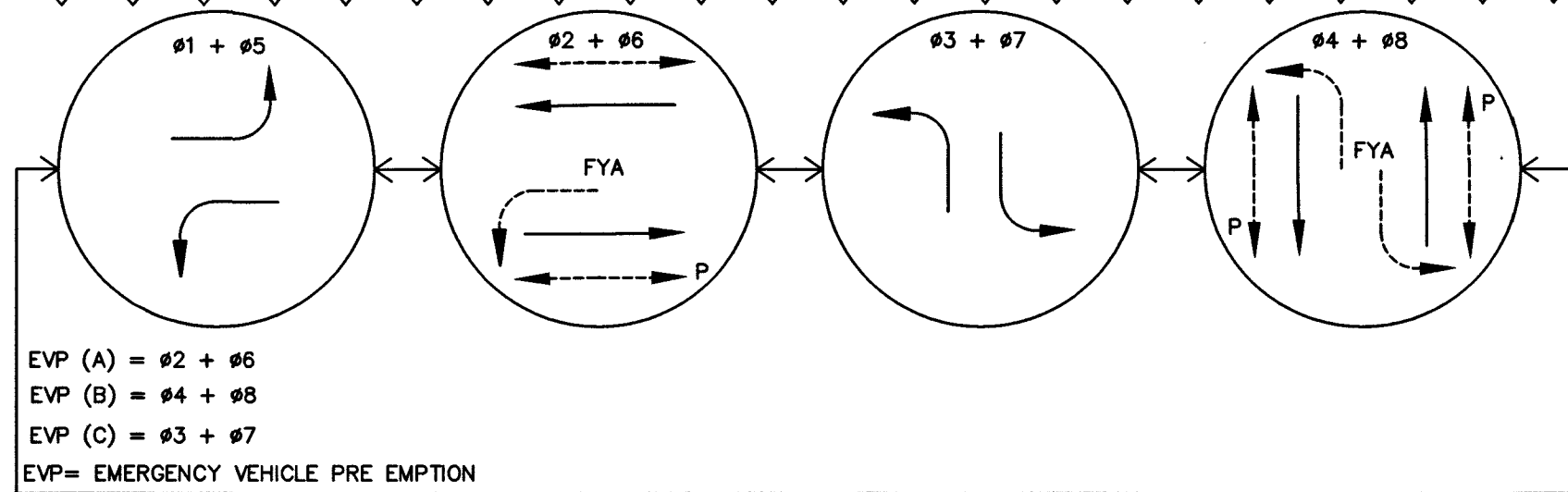
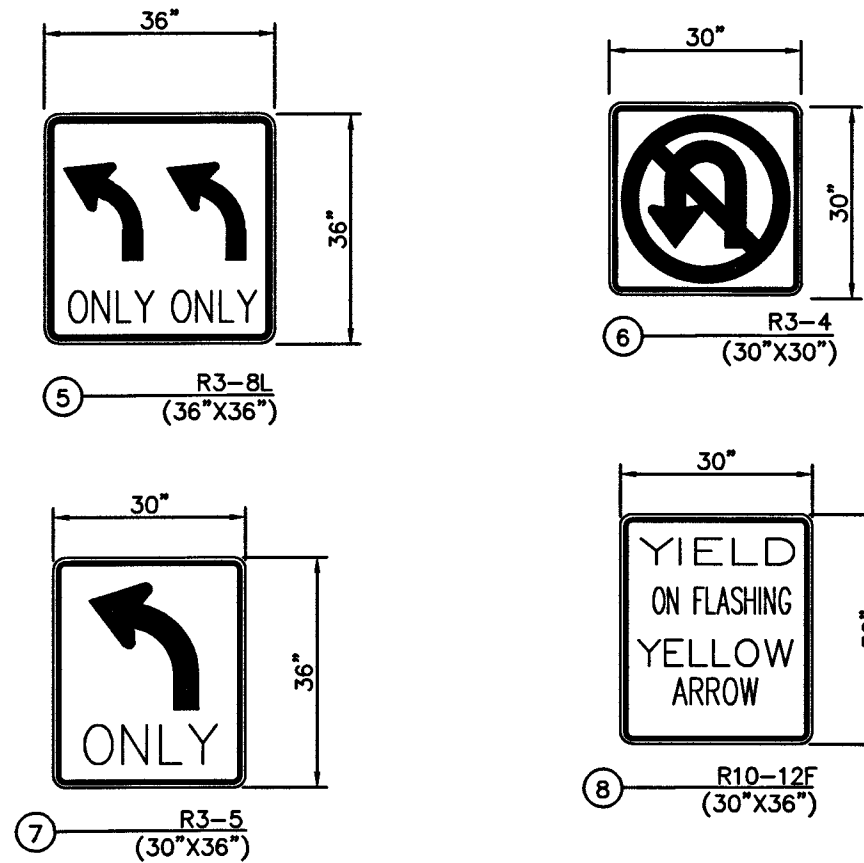


| LOOP DETECTOR SCHEDULE |             |                       |
|------------------------|-------------|-----------------------|
| MOVEMENT               | LOOP NUMBER | LOOP OPERATION        |
| EB THRU                | 4A          | "PRESENCE/COUNT" LOOP |
|                        | 4B          | "PRESENCE" LOOP       |
| EB LEFT                | 7A          | "PRESENCE/COUNT" LOOP |
|                        | 7B          | "PRESENCE" LOOP       |
| WB THRU                | 8A          | "PRESENCE/COUNT" LOOP |
|                        | 8B          | "PRESENCE" LOOP       |
| WB LEFT                | 3A          | "PRESENCE/COUNT" LOOP |
|                        | 3B          | "PRESENCE" LOOP       |
| NB LEFT                | 1A          | "PRESENCE/COUNT" LOOP |
|                        | 1B          | "PRESENCE" LOOP       |
| NB THRU                | 6A          | "PRESENCE" LOOP       |
|                        | 6B          | "PRESENCE" LOOP       |
| SB LEFT                | 5A,5C       | "PRESENCE/COUNT" LOOP |
|                        | 5B,5D       | "PRESENCE" LOOP       |
| SB THRU                | 2A          | "PRESENCE" LOOP       |
|                        | 2B          | "PRESENCE" LOOP       |



#### BASIS OF BEARING

SOUTH 00°06'57" WEST, BEING THE WEST LINE OF THE GOVERNMENT LOT 11, LYING WITHIN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN BOOK 140, PAGE 12 OF PLATS IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

#### BENCHMARK

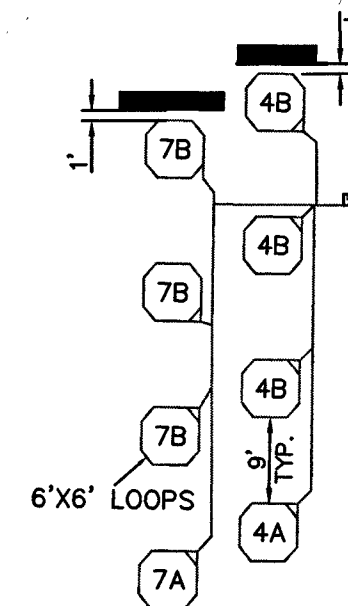
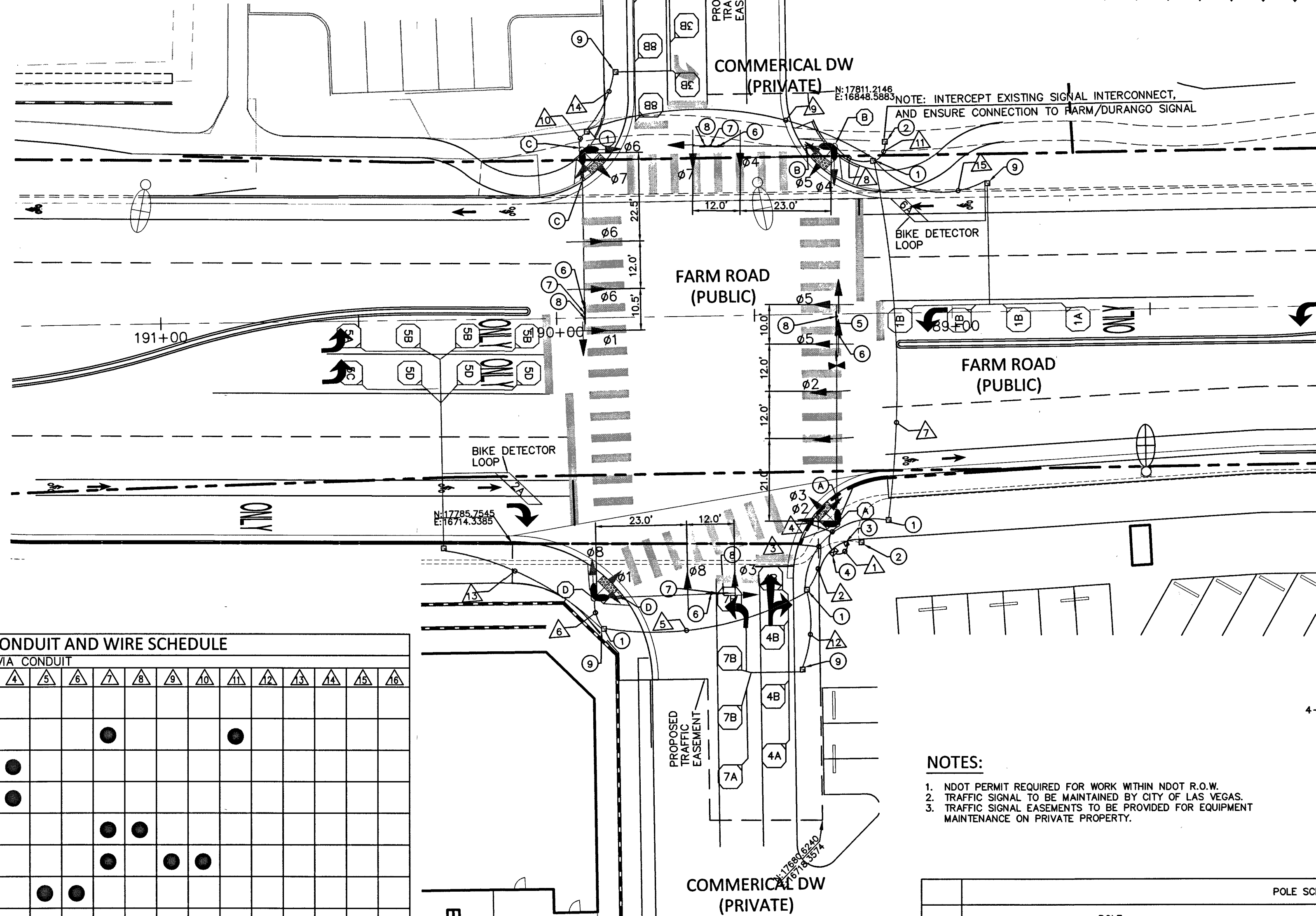
CITY OF LAS VEGAS BENCHMARK # 5LV90 17S6

A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF OSO BLANCA ROAD AND DURANGO DRIVE.

NAVD 88 ELEVATION = 798.4331 METERS / 2619.53 FEET  
NORTH AMERICAN DATUM OF 1988

#### TRAFFIC SIGNAL NOTES

| NO. | ITEM                                                                                    | USDOCA: UNIFORM STANDARD DRAWING CLARK COUNTY AREA |
|-----|-----------------------------------------------------------------------------------------|----------------------------------------------------|
| 1   | INSTALL No. 7 PULL BOX PER USDOCA DWG. NO. 707.                                         |                                                    |
| 2   | INSTALL T200 PULLBOX PER USDOCA DWG. NO. 762.                                           |                                                    |
| 3   | INSTALL 200 AMP METER PEDESTAL PER USDOCA DWG. NO. 726 & 730.                           |                                                    |
| 4   | INSTALL NEW TYPE V CABINET PER USDOCA DWG. NO. 801.                                     |                                                    |
| 5   | INSTALL SIGN R3-3L (TURN ONLY) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'.         |                                                    |
| 6   | INSTALL SIGN R3-4 (NO U-TURN) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'.          |                                                    |
| 7   | INSTALL SIGN R3-5 (TURN ONLY) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'.          |                                                    |
| 8   | INSTALL SIGN R10-12F (FLASHING YELLOW) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'. |                                                    |
| 9   | INSTALL No. 5 PULL BOX PER USDOCA DWG. NO. 706.                                         |                                                    |



DETAIL "A" LOOP DETECTOR DIMENSIONS

- NOTES:
1. NDOT PERMIT REQUIRED FOR WORK WITHIN NDOT R.O.W.
  2. TRAFFIC SIGNAL TO BE MAINTAINED BY CITY OF LAS VEGAS.
  3. TRAFFIC SIGNAL EASEMENTS TO BE PROVIDED FOR EQUIPMENT MAINTENANCE ON PRIVATE PROPERTY.

QUADRANT LOCATION

| INTERNALLY ILLUMINATED STREET NAME SIGN SCHEDULE |                  |      |                 |
|--------------------------------------------------|------------------|------|-----------------|
| POLE                                             | STREET NAME SIGN | SIZE | NOTES           |
| A                                                | COMMERICAL DR    | 8'   | NEW SIGNAL POLE |
| B                                                | FARM RD 8451     | 8'   | NEW SIGNAL POLE |
| C                                                | COMMERICAL DR    | 8'   | NEW SIGNAL POLE |
| D                                                | FARM RD 8451     | 8'   | NEW SIGNAL POLE |

| CONDUIT AND WIRE SCHEDULE                               |                                     |                         | VIA CONDUIT |   |   |   |   |   |   |   |   |    |    |    |    |    |
|---------------------------------------------------------|-------------------------------------|-------------------------|-------------|---|---|---|---|---|---|---|---|----|----|----|----|----|
| WIRE                                                    | FROM                                | TO                      | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| (4) #4 AWG THW (2 BLACK, 2 WHITE)                       | NEW SERVICE PEDESTAL (FARM RD) STA: | CONTROLLER CABINET      | ●           |   |   |   |   |   |   |   |   |    |    |    |    |    |
| (1) #8 AWG THW GROUND (GREEN)                           |                                     |                         |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| INTERCONNECT                                            |                                     | CONTROLLER CABINET      |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| OPTICOM CABLE                                           |                                     | CONTROLLER CABINET      |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 25 COND #14 AWG, #10 AWG THW, (1) #8 AWG GROUND (GREEN) | CONTROLLER CABINET                  | POLE A                  |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 25 COND #14 AWG, #10 AWG THW, (1) #8 AWG GROUND (GREEN) | CONTROLLER CABINET                  | POLE B                  |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 25 COND #14 AWG, #10 AWG THW, (1) #8 AWG GROUND (GREEN) | CONTROLLER CABINET                  | POLE C                  |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 25 COND #14 AWG, #10 AWG THW, (1) #8 AWG GROUND (GREEN) | CONTROLLER CABINET                  | POLE D                  |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| COHU MODEL CA29SH CABLE PER CCAUSD NO. 766              | CONTROLLER CABINET                  | CCTV CAMERA A           |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 3/16 & 8281 COAXIAL CABLE                               | CONTROLLER CABINET                  | VIDEO CAMERA A          |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 3/16 & 8281 COAXIAL CABLE                               | CONTROLLER CABINET                  | VIDEO CAMERA C          |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES       | CONTROLLER CABINET                  | WEST LEG LOOP PULL BOX  |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES       | CONTROLLER CABINET                  | EAST LEG LOOP PULL BOX  |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES       | CONTROLLER CABINET                  | NORTH LEG LOOP PULL BOX |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |
| 6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES       | CONTROLLER CABINET                  | SOUTH LEG LOOP PULL BOX |             | ● |   |   |   |   |   |   |   |    |    |    |    |    |

CONDUIT SIZE

● INDICATES NEW WIRE/CONDUIT RUNS TO BE ADDED

| 6-PAIR LOOP LEAD-IN CABLE ASSIGNMENTS |                |                          |
|---------------------------------------|----------------|--------------------------|
| PAIR NO.                              | COLOR          | PHASE LETTER DESIGNATION |
| 1                                     | BLACK & RED    | A                        |
| 2                                     | BLACK & WHITE  | B                        |
| 3                                     | BLACK & GREEN  | C                        |
| 4                                     | BLACK & BLUE   | D                        |
| 5                                     | BLACK & YELLOW | E                        |
| 6                                     | BLACK & BROWN  | F                        |

| POLE SCHEDULE ((E)-EXISTING) |                            |           |                 |                   |                    |                      |                     |                     |                        |                                                                                                 |
|------------------------------|----------------------------|-----------|-----------------|-------------------|--------------------|----------------------|---------------------|---------------------|------------------------|-------------------------------------------------------------------------------------------------|
| POLE                         | LOCATION STATION           | POLE TYPE | SIGNAL ARM QUAD | SIGNAL ARM LENGTH | LUMINAIRE ARM QUAD | LUMINAIRE ARM LENGTH | SIGNALS (VEH.) TYPE | SIGNALS (PED.) TYPE | PED. PUSH BUTTONS QUAD | REMARKS                                                                                         |
| A                            | FARM 286+36.02 1497.68' RT | XX-A      | 1               | 55'               | 1,4                | 15'                  | (2) M-2 MA          | W-3T                | 2,3                    | SIGN R3-3L AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'. INSTALL CCTV CAMERA PER CCAUSD DWG. 766 |
| B                            | FARM 286+48.92 1592.65' RT | XX        | 4               | 35'               | 3,4                | 15'                  | (1) M-2 MA          | W-3T                | 1,2                    | SIGNS R3-5, R10-12F AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'.                                |
| C                            | FARM 287+17.04 1583.57' RT | XX-A      | 3               | 55'               | 2,3                | 15'                  | (1) M-4 MA          | W-3T                | 1,4                    | SIGN R3-3L, R10-12F AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'.                                |
| D                            | FARM 286+94.56 1471.24' RT | XX        | 2               | 35'               | 1,2                | 15'                  | (1) M-4 MA          | W-3T                | 3,4                    | SIGNS R3-5, R10-12F AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'.                                |

CALL BEFORE YOU DIG  
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

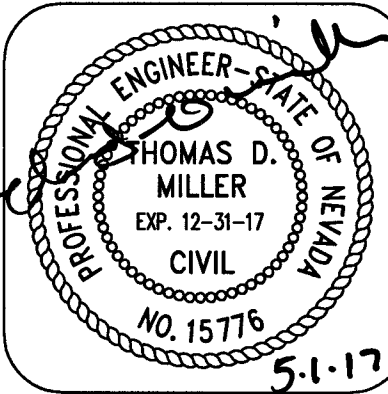
FAST  
Call before you dig  
Underground  
1-702-432-5300  
FIREWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD WORK  
1-702-227-2929

COLLINS ENGINEERS 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 FIELD VERIFY THE LOCATION AND ELEVATION 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.

**COLLINS ENGINEERS**  
3130 S. DURANGO DR., SUITE 404  
LAS VEGAS, NV 89117  
PHONE: (702) 248-8000  
FAX: (702) 248-8070  
www.collinsengr.com



#### IMPROVEMENT PLANS FOR DC PLAZA

APN: 125-17-613-001

#### TRAFFIC NOTES AND SIGNALS

| DESIGN BY |    | NEW SHEET |         | DESCRIPTION |      |
|-----------|----|-----------|---------|-------------|------|
| DATE      | TM | NO.       | DATE    | NO.         | DATE |
| 3/13/17   |    | 1         | 3/13/17 |             |      |

|                |           |
|----------------|-----------|
| CEI PROJECT:   | 4136      |
| DESIGN BY:     | JDM SR    |
| DRAWN BY:      | JDM SR    |
| CHECKED BY:    | TDM P.E.  |
| DATE:          | 03/13/17  |
| SCALE:         | 1"=20'    |
| SHEET NUMBER   | C7.02     |
| SHEET 31 OF 45 | H # 64486 |

107V6734