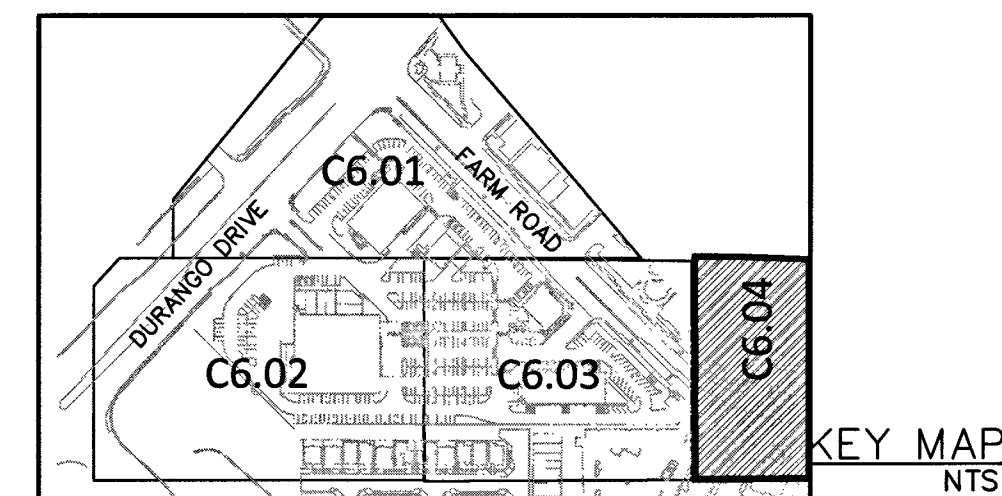


 W4-2R (TO BE REMOVED)	 R3-7L (TO BE REMOVED)
 W9-3R (TO BE REMOVED)	 R6-1R (TO BE REMOVED)
 R2-1 (TO BE REMOVED)	 R3-4 (TO BE REMOVED)
 R3-4 (TO BE REMOVED)	

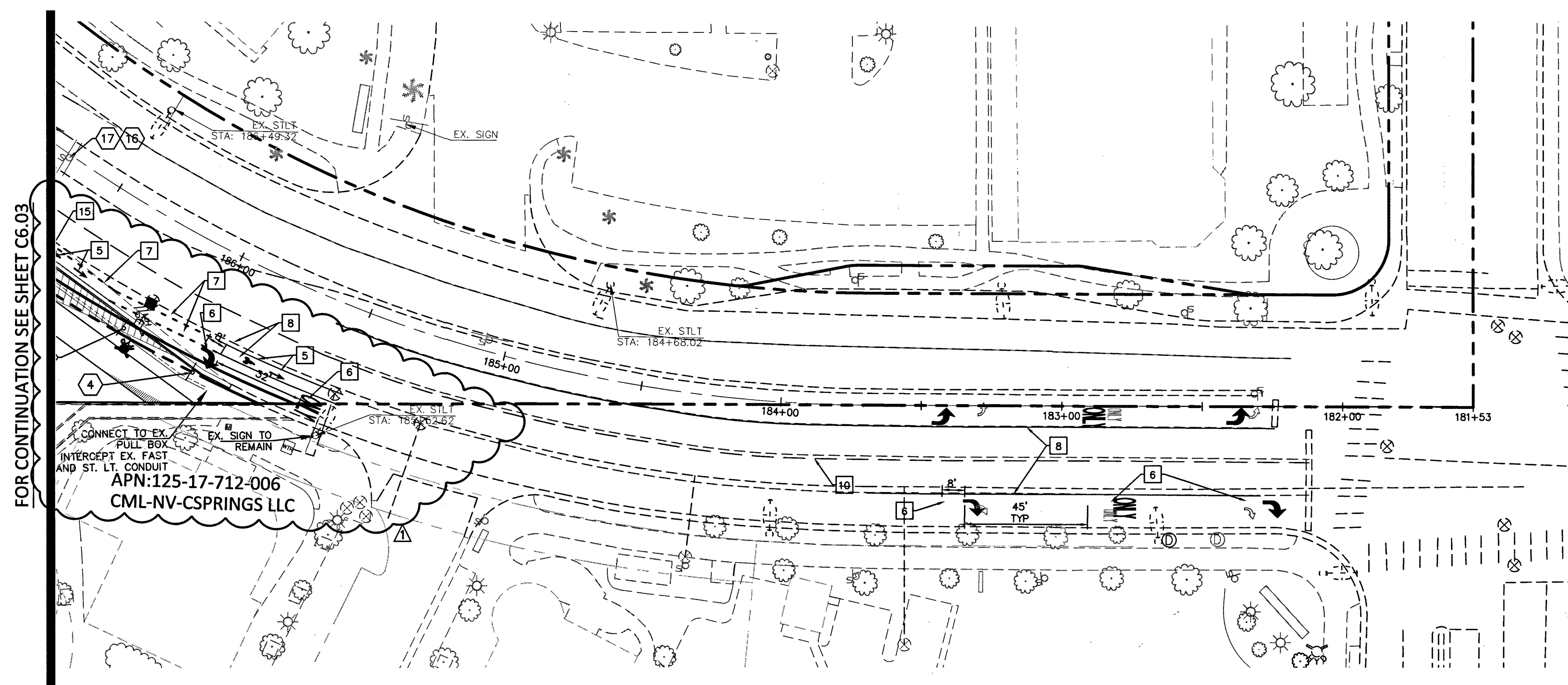
OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS REQUIRED
AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED,
DESTROYED OR OBSCURED DURING CONSTRUCTION.

NOTE:

PROPOSED STREET LIGHTS WILL BE ADDED TO EXISTING 200 AMP SERVICE
PEDESTAL (STA: 20+66.07) LOCATED ON TULE SPRINGS. SEE SHEET C6.04
FOR STREETLIGHT CIRCUIT CALCULATION.



SERVICE PEDESTAL LOCATION: TULE SPRINGS ROAD, STA: 20+66.07 (CLV #107Y4867-B12-OS)			
PERSON WHO DID THE CALCULATIONS:		CHRISTOPHER BOLTON	
CONSULTING ENGINEERING FIRM:		COLLINS ENGINEERS	
CAPACITY CALCULATIONS: CIRCUIT B (EXISTING+PROPOSED)			
1	CIRCUIT CAPACITY		60 AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)		48 AMPS
3	EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)		4.5 AMPS
4	AVAILABLE (2 MINUS 3)		43.5 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT			
5	NUMBER OF 100 WATT STLTs @ 1.0 AMPS/EA		0 AMPS
6	NUMBER OF 250 WATT STLTs @ 1.5 AMPS/EA		9 AMPS
7	TOTAL PROPOSED ADDITIONAL LOAD (5 + 6)		9 AMPS
	REMAINING AVAILABLE LOAD (4 MINUS 7)		34.5 AMPS



CALL BEFORE YOU DIG AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 or 1-800-227-2600	FAST Call before you Underground 1-702-432-5300 TRUCKS AND RAILCARS SYSTEM OF TRANSPORTATION	AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD WORK 1-702-227-2929
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COLLINS ENGINEER 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. THERE MAY BE DIFFERENCES BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

LEGEND	EXISTING		PROPOSED		EXISTING		PROPOSED		EXISTING		PROPOSED		EXISTING		PROPOSED	
	(0.00)	XXX	(0.00)	XXX	(0.00)	XXX	(0.00)	XXX	(0.00)	XXX	(0.00)	XXX	(0.00)	XXX	(0.00)	XXX

NORTH 00°00'50" WEST, BEING THE BEARING OF THE EAST LINE OF THE
NORTHEAST QUARTER (NE 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE
60 EAST, M.D.M., AS SHOWN IN FILE 97, PAGE 01 OF PARCEL MAPS ON FILE
AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

CITY OF LAS VEGAS BENCHMARK # 5LV90 16NWWS

A RIVET AND PLATE IN THE TOP OF CURB EASTSIDE OF TULE SPRINGS ROAD
1/4 MILE SOUTH FO GRAND TETON DRIVE

NO.	ITEM USDOCA: UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.
(1)	INSTALL SIGN R1-1 (STOP) SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(2)	INSTALL FIRE LANE SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(3)	INSTALL SIGN R7-8A, R7-8B ADA VAN ACCESSIBLE PARKING SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(4)	INSTALL SIGN R3-7R (RIGHT LANE MUST TURN RIGHT) SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(5)	INSTALL PEDESTRIAN CROSSING SIGN W11-2 PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(6)	INSTALL DO NOT ENTER SIGN R5-1 PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(7)	INSTALL SIGN R3-2 PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(8)	INSTALL SIGN R7-8 ADA ACCESSIBLE PARKING SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(9)	INSTALL SIGN R2-1 (SPEED LIMIT) SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(10)	INSTALL SIGN R6-1 (NO PARKING) SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(11)	INSTALL SIGN R6-1R (ONE WAY) SIGN PER USDOCA NO. 249.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(12)	EXISTING W4-2R (LANE MERGE) SIGN TO BE REMOVED. SEE SHEET C6.04 FOR SIGN DETAIL.
(13)	EXISTING R3-7L SIGN (MUST TURN LEFT) TO BE REMOVED. SEE SHEET C6.04 FOR SIGN DETAIL.
(14)	EXISTING W9-3R (MERGE RIGHT) SIGN TO BE REMOVED. SEE SHEET C6.04 FOR SIGN DETAIL.
(15)	EXISTING R6-1R (ONE WAY) SIGN
(16)	EXISTING R2-1 (SPEED LIMIT) SIGN TO BE RELOCATED TO STA 192+40. SEE SHEET C6.04 FOR SIGN DETAIL.
(17)	EXISTING R3-4 (NO U-TURN) SIGN TO BE REMOVED. SEE SHEET C6.04 FOR SIGN DETAIL.
(18)	INSTALL SIGN R3-17 (BIKE LANE ONLY) SIGN PER USDOCA NO. 249.1 & 246.1. SEE SHEET C6.04 FOR SIGN DETAIL.
(19)	INSTALL SIGN R4-1 (BEGIN RIGHT TURN LANE YIELD TO BIKES) SIGN PER USDOCA NO. 249.1 & 246.1. SEE SHEET C6.04 FOR SIGN DETAIL.

NO.	ITEM USDOCA: UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA.
1	INSTALL 4" WHITE PAINTED PARKING STALL LINE, (TYP.)
2	INSTALL 4" WHITE PAINTED LINE @ 45' AT 3" ON CENTER AS SHOWN
3	INSTALL ADA PARKING SPACE MARKINGS PER MUTCD FIGURE 3B.22.
4	INSTALL PAVEMENT MARKINGS AS SHOWN. 8' TALL.
5	INSTALL BIKE LANE MARKINGS PER USDOCA NO. 244.9.
6	INSTALL ADDED TURN LANE PAVEMENT MARKERS PER NDOT T-38.1.2
7	INSTALL 6"x2' SKIP WHITE LINE PER USDOCA NO. 244.9.
8	INSTALL 6" SOLID WHITE LINE PER USDOCA NO. 244.9.
9	INSTALL 8" STORAGE LINE PER USDOCA NO. 246.
10	INSTALL TYPE 4 LANE LINE PER USDOCA NO. 244.1.
11	OBSTRUCTATE EX. STRIPING
12	INSTALL CROSSWALK MARKING (TYPE I) PER USDOCA NO. 254
13	INSTALL PAVEMENT MARKINGS PER USDOCA NO. 245
14	INSTALL 2' WIDE STOP BAR
15	INSTALL 6" SOLID WHITE EDGE LINE AND SIGN PER USDOCA NO. 244.9.51

NO.	ITEM DESCRIPTION: UNIFORM STANDARD DRAWING CLARK COUNTY AREA
①	INSTALL NO. 3 1/2 PULL BOX PER USCDWA DWG NO. 326. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.
②	INSTALL 2" STREETLIGHT CONDUIT WITH (2) #4 AND (1) #8 WIRES PER USCDWA DWG NO. 404.1419. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.
③	INSTALL 3" PVC FAST CONDUIT PER USCDWA 623 G.03.01. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.
④	INSTALL 5/8" PER MIN. DIA. DWG NO. 320 AND 321, AND DETAILS 'A' AND 'B' SHEET C8.04. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.
⑤	INSTALL 1200 PULL BOX PER USCDWA DWG NO. 762. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.

INDICATES RED PAINTED CURB WITH "NO PARKING - FIRE LANE" PAINTED EVERY 100 FT. PER CITY OF LAS VEGAS FIRE DEPARTMENT GUIDELINES.

INDICATES PROPOSED LOCATION OF FIRE LANE SIGNS TO BE PLACED AT 100' INCREMENTS. FIRE LANE SIGNS SHALL CONFORM TO CITY OF LAS VEGAS FIRE DEPARTMENT GUIDELINES.

INSTALL BLACK COLORED REFLECTIVE RAISED PAVEMENT MARKERS ADJACENT TO FIRE HYDRANT ON ALL IMPROVED FIRE APPARATUS ACCESS ROADWAYS WITH HARD SURFACES, INCLUDING BOTH PUBLIC AND PRIVATE ROADS, STREETS, OR FIRE LANES:

- ON ROADWAYS WITH NO PARKING PERMITTED ON THE HYDRANT SIDE, EVERY 8' FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.
- ON ROADWAYS WITH PARKING PERMITTED ON THE HYDRANT SIDE, (10' FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.

R=52' (MIN)

INDICATES 24" MINIMUM WIDTH FIRE LANE AND TYPICAL TURNING RADIUS PER CITY OF LAS VEGAS FIRE DEPARTMENT GUIDELINES.

107V6734

5/1

5/2/17

DATE

DATE _____

**COLLINS
ENGINEERS**

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

IMPROVEMENT PLANS FOR DC PLAZA

FIRELANE, STREETLIGHT, SIGNAGE AND STRIPING DETAILS

DESIGN BY	DESCRIPTION
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CEI PROJECT:	4136
DESIGN BY:	JDM SR
DRAWN BY:	JDM SR
CHECKED BY:	TDM P.E.

DATE: 03/13/17

SCALE:

SHEET NUMBER
C6.04
SHEET 28 OF 45
H # 64486