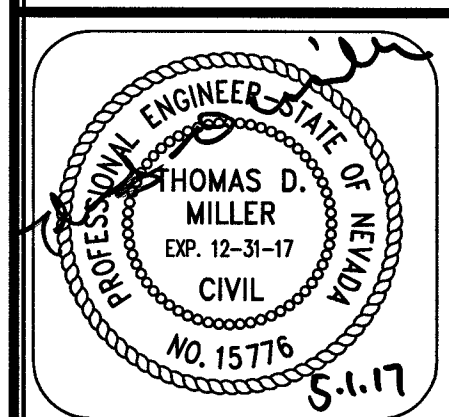
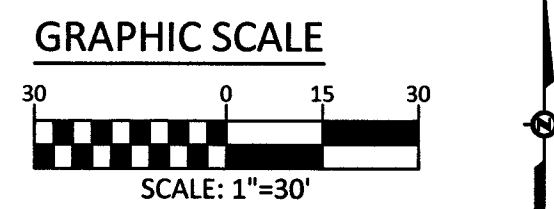




IMPROVEMENT PLANS FOR DC PLAZA
APN:125-17-613-001
FIRELANE, STREETLIGHT, SIGNAGE AND STRIPING DETAILS
8451 FARM ROAD
LAS VEGAS, NEVADA

NO.	DATE	DESIGN BY	DESCRIPTION
1	01-15-17	JDM	NO CHANGES TO THIS SHEET
2	03-15-17	JDM	
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BASIS OF BEARING

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.

BENCHMARK

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 OF GRAND TETON DRIVE

NAVD 88 ELEVATION = 774.403 METERS / 2540.69 FEET
NORTH AMERICAN DATUM OF 1988

SIGNAGE CONSTRUCTION NOTES

1. 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 (SPEED LIMIT 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 R8-3a (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 (SPEED LIMIT 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+81.88. 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 R4-4 (BEGIN RIGHT TURN LANE YIELD TO BIKES) SIGN PER USDOCA NO. 249.1 & 246.1. SEE SHEET C6.04 FOR SIGN DETAIL.

STRIPING CONSTRUCTION NOTES

1. 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. OBLITERATE 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. 244.9.5

TRAFFIC CONSTRUCTION NOTES

1. ITEM USDOCA: UNIFORM STANDARD DRAWING CLARK COUNTY AREA
1. INSTALL NO. 3 1/2 PULL BOX PER USDOCA 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 USDOCA DWG. NO. 404.1419. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.
3. INSTALL 3" PVC FAST CONDUIT PER USDOCA 623 G.03.01. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.
4. INSTALL STLT PER USDOCA DWG. NO. 314, 320 AND 321, AND DETAILS 'A' AND 'B' SHEET C6.04. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.
5. INSTALL 1200 PULLBOX PER USDOCA DWG NO. 762. TO BE MAINTAINED BY THE CITY OF LAS VEGAS.

FIRE LANE LEGEND

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' INTERVALS. FIRE LANE SIGNS SHALL CONFORM TO CITY OF LAS VEGAS FIRE DEPARTMENT GUIDELINES

INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS ADJACENT TO THE 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, EIGHT (8) FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.
- ON ROADWAYS WITH PARKING PERMITTED ON THE HYDRANT SIDE, (16) FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.

R=52' (MIN)
R=28' (MIN)

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

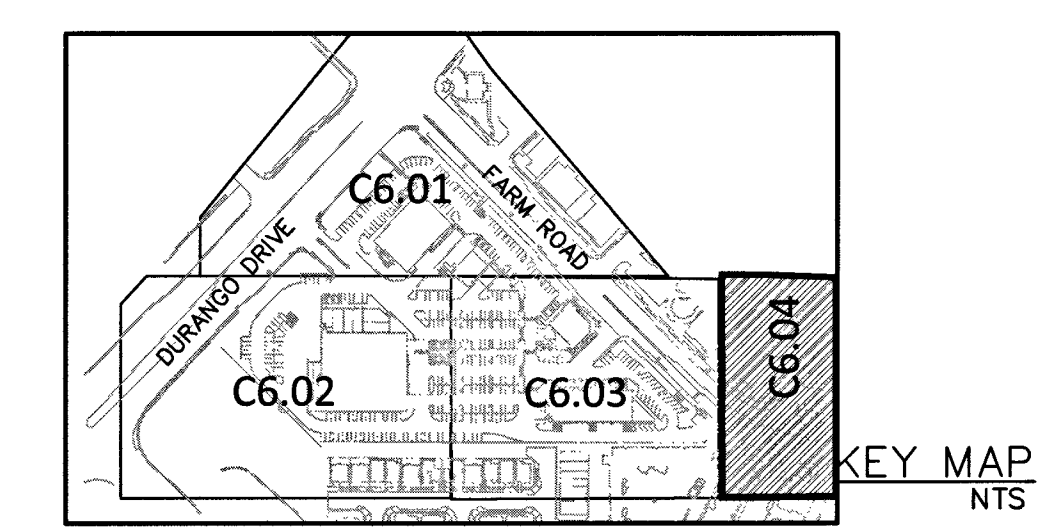
107V6734
5/2/17
LAS VEGAS FIRE & RESCUE
DATE

EXISTING SIGN DETAILS

NOTE:
OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS REQUIRED AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED OR OBSOLETE 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.

12 W4-2R (TO BE REMOVED)
13 R3-7L (TO BE REMOVED)
14 W9-3R (TO BE REMOVED)
15 R6-1R
16 R2-1 (TO BE REMOVED)
16 R3-4 (TO BE REMOVED)

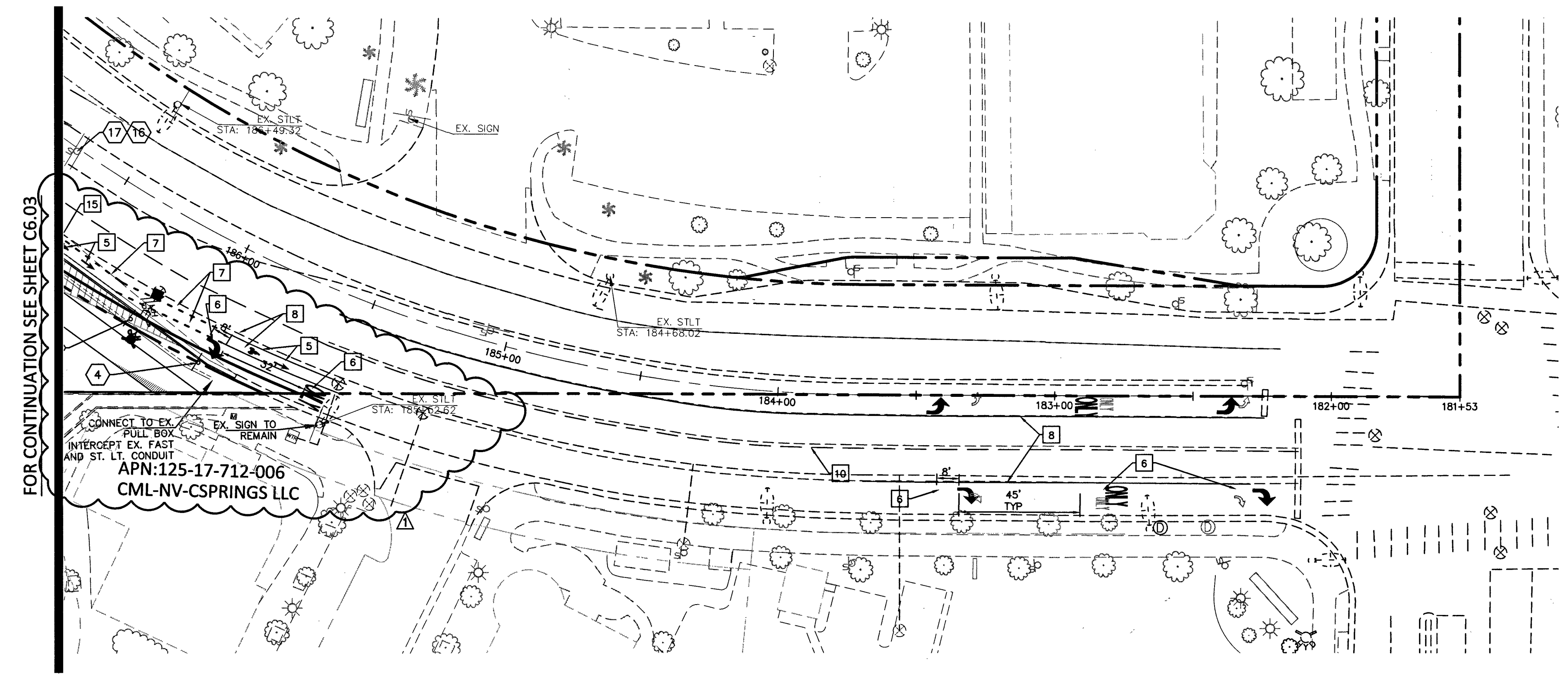


PROPOSED SIGN DETAILS

1 R1-1 (30" x 30")
2 FIRE LANE (12" x 18")
3 R7-8 w/R7-8b (12"x18"); (12"x9")
4 R3-7R (36" x 36")
5 W11-2a (30" x 30")
6 R5-1 (30" x 30")
7 R3-2 (30" x 30")
8 R7-8 (12" x 18")
9 R2-1 (30" x 36")
10 R8-3a (30" x 30")
11 R6-1R (12" x 36")
12 R3-17 (24" x 18")
13 R4-4 (36" x 30")
14 ON STREET PARKING IN MARKED FIRE LANE PROHIBITED
15 FIRE LANE (24" x 18")

STREETLIGHT CIRCUIT CAPACITY CALCULATIONS FOR EX. SERVICE PEDESTAL (APN 125-17-718-004)

SERVICE PEDESTAL LOCATION: TULE SPRINGS ROAD, STA: 20+66.07 (CLV #107Y4867-B12-05)			
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.

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

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
Call before you dig
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.