

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY
613.01.24	SIDEWALK 4"	SF	965
623.01.55	SIDEWALK RAMP	EA	3
628.00.06	PAVEMENT STRIPING ARTERIAL	LF	425
623.00.12	PULL BOX	EA	10
623.99.MISC	TRAFFIC SIGNAL MISCELLANEOUS	LS	1

TEL 4-4"	EXISTING TELEPHONE CABLE	33	EXISTING NO. 3 1/2 PULL BOX
0" SS	EXISTING SANITARY SEWER LINE	35	EXISTING NO. 5 PULL BOX
8" W	EXISTING WATER LINE	37	EXISTING NO. 7 PULL BOX
8" SD	EXISTING STORM DRAIN LINE	39	EXISTING P30 PULL BOX
ELE	EXISTING ELECTRICAL LINE	41	EXISTING TYPE 200 SPLICE VAULT
OHP	EXISTING OVERHEAD POWER LINE	43	PROPOSED 400W LED LUMINAIRE (SUMMERLIN)
4" PG CAS	EXISTING GAS LINE	45	PROPOSED NO. 3 1/2 PULL BOX
CATV FC	EXISTING CABLE TELEVISION LINE	47	PROPOSED NO. 5 PULL BOX
	EXISTING CURB & GUTTER	49	PROPOSED DOUBLE-STACKED NO. 7 PULL BOX
	EXISTING MANHOLE	51	PROPOSED P30 PULL BOX
	EXISTING VALVE (GAS OR WATER)	53	PROPOSED TYPE 200 SPLICE VAULT
	EXISTING FIRE HYDRANT	55	PROPOSED CONTROLLER CABINET
	EXISTING CONDUIT RUN NO.	57	PROPOSED SIGNAL POLE
	PROPOSED CONDUIT	59	PROPOSED TRAFFIC SIGN
	EXISTING CONDUIT	61	PROPOSED STREET NAME SIGN (INTERNALLY ILLUMINATED)
	RIGHT-OF-WAY LINE	63	PROPOSED OPTICOM DETECTOR
	EASEMENT LINE	65	PROPOSED RED LIGHT RUNNING INDICATOR
	PROPERTY LINE	67	PROPOSED PEDESTRIAN SIGNAL HEAD
	CENTERLINE	69	PROPOSED PEDESTRIAN PUSH BUTTON
	EXISTING STREETLIGHT (SUMMERLIN)	71	PROPOSED CONDUIT RUN NO.
	EXISTING POWER POLE	73	PROPOSED DETECTOR LOOP (SIZE AS SHOWN)
	EXISTING SERVICE PEDESTAL	75	PROPOSED 3-SECTION SIGNAL HEAD
	EXISTING NVE TRANSFORMER	77	

[illegible]

ABBREVIATIONS

ADV	ADVANCED
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
ATV	CABLE TELEVISION
CCPW	CLARK COUNTY PUBLIC WORKS
CCRFCD	CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CG	CURB & GUTTER
DET	DETECTION
"DF"	DESERT FOOTHILLS DRIVE @
DGC	DOCUMENT
DR	DRIVE
DS	DOUBLE STACKED
"DS"	DESERT SPRINGS ROAD @
DWG	DRAWING
E	EAST
ELEC	ELECTRIC
EOP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX./EXIST	EXISTING
FAST	FREeway & ARTERIAL SYSTEM OF TRANSPORTATION
FG	FINISHED GRADE
FT	FEET
G	GAS
LT	LEFT
LUM.	LUMINAIRE
MIN.	MINIMUM
N	NORTH
NO.	NUMBER
NVE	NV ENERGY
OHP	OVERHEAD POWER
OP	OPTICUM
P.B.	PULLBOX
PE	POLYETHYLENE
PED.	PEDESTRIAN
PMF	PAVEMENT MARKING FILM
PPM	POLYUREA PAVEMENT MARKINGS
QUAD.	QUADRANT
RD	ROAD
RPM	RAISED PAVEMENT MARKINGS
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SOUTH
SD	STORM DRAIN
S.P.	SERVICE PEDESTAL
SW	SIDEWALK
SIG.	SIGNAL
ST	STREET
STLT	STREETLIGHT
STA	SANITARY SEWER
STD	STATION
S.V.	STANDARD
TEL	SPLICE VAULT
TYP.	TELEPHONE
UDACS	TYPICAL
CONSTRUCTION	UNIFORM DESIGN AND
USDDCA	CONSTRUCTION STANDARDS
	UNIFORM STANDARD DRAWINGS
	CLARK COUNTY AREA
W	WEST OR WATER
W/	WITH

CITY OF LAS VEGAS VERTICAL CONTROL POINT '5LV09 34SE6', BEING A RIVET & PLATE IN TOP OF CURB AT NW CORNER OF DESERT FOOTHILLS & DESERT SUNRISE.

ELEVATION: 3216.32 (FEET)
980.337 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL - DATE RE-OBSERVED:
2005-2007

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

NORTH 69°06'00" EAST, BEING THE BEARING OF THE CENTERLINE OF
DESERT SUNRISE ROAD AS SHOWN IN BOOK 108, PAGE 29 OF PLATS ON
FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

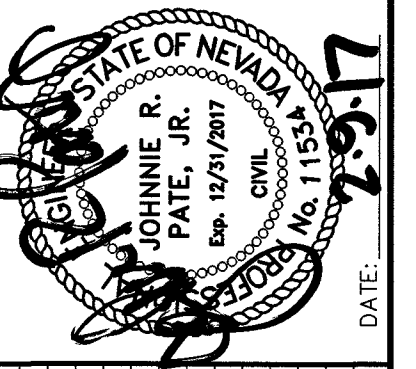
TRAFFIC SIGNAL SYSTEM AT
DESERT FOOTHILLS DRIVE/DESERT SUNRISE ROAD

LEGEND, ABBREVIATIONS, AND VICINITY MAP

DRAWING

2

2 OF 8 SHTS

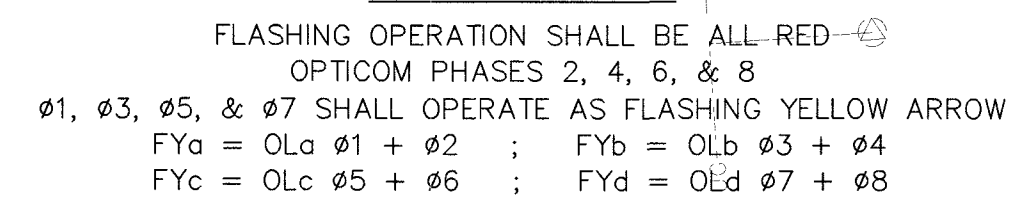


BIKE DETECTORS SHALL BE RACK MOUNTED RENO A&E
MODEL C-1100-B OR MODEL C-1200-B (AS
APPLICABLE) OR APPROVED EQUAL.

- 1 REMOVE PULLBOX
- 2 INSTALL PULLBOX (SIZE AS SHOWN)
- 3 INTERCEPT EX. CONDUIT WITH NEW PULLBOX (SIZE AS SHOWN)



QUADRANT LOCATOR
ARM OR SIGNAL LOCATION (TOP VIEW)



LANDSCAPE EASEMENT
— (TRAFFIC AND PEDESTRIAN EASEMENT)
COMMON LOT "T" PER BOOK 108, PG. 29

LANDSCAPE EASEMENT
— (TRAFFIC AND PEDESTRIAN EASEMENT)
COMMON LOT "E" PER BOOK 104, PG. 88

LANDSCAPE EASEMENT
(TRAFFIC AND PEDESTRIAN EASEMENT)
COMMON LOT "F2" PER BOOK 107, PG. 33

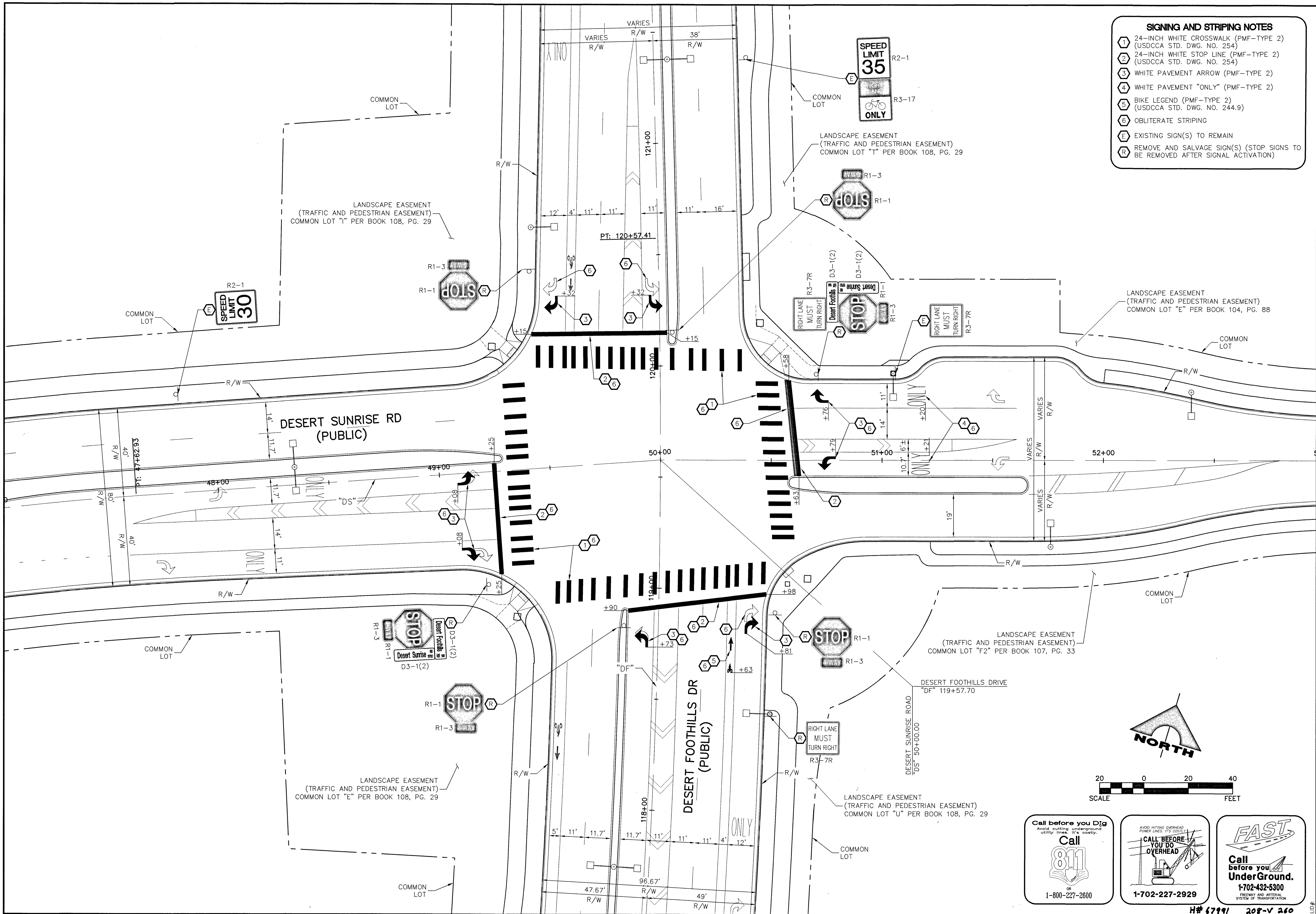
R3-5R
30" X 36"

4 DISAPPROVED
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 2/22/17 LVVWD PROJECT # 125080

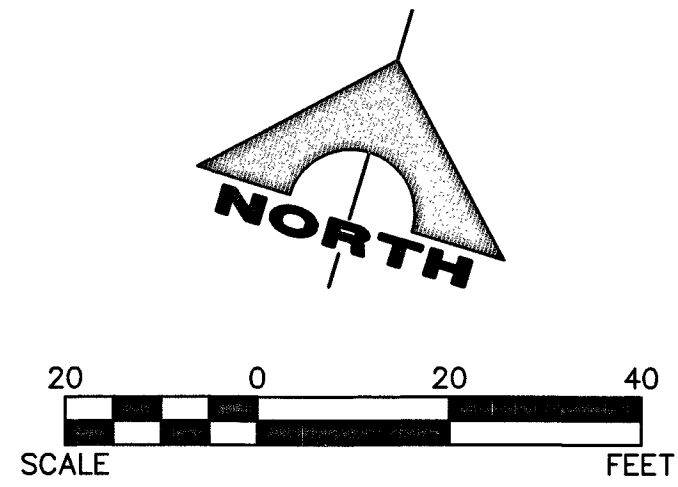
DRAWING
4

4 OF 8 SHTS

PROJ#:125080 AGR:116220 QS:137-34-SE



- SIGNING AND STRIPING NOTES**
- 1 24-INCH WHITE CROSSWALK (PMF-TYPE 2) (USDCCA STD. DWG. NO. 254)
 - 2 24-INCH WHITE STOP LINE (PMF-TYPE 2) (USDCCA STD. DWG. NO. 254)
 - 3 WHITE PAVEMENT ARROW (PMF-TYPE 2)
 - 4 WHITE PAVEMENT "ONLY" (PMF-TYPE 2)
 - 5 BIKE LEGEND (PMF-TYPE 2) (USDCCA STD. DWG. NO. 244.9)
 - 6 OBLITERATE STRIPING
 - 7 EXISTING SIGN(S) TO REMAIN
 - 8 REMOVE AND SALVAGE SIGN(S) (STOP SIGNS TO BE REMOVED AFTER SIGNAL ACTIVATION)



Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

FAST
Call before you UnderGround.
1-702-432-5300
FREIGHT AND MATERIAL SYSTEM OF TRANSPORTATION

THE HOWARD HUGHES COMPANY, LLC
TRAFFIC SIGNAL SYSTEM AT
DESERT FOOTHILLS DRIVE/DESERT SUNRISE ROAD
SIGNING AND STRIPING PLAN

PROJECT NO. **62023-706**
DESIGN: JRT
DRAWN: TC
CHECK: [Signature]
PLOT DATE: 02-09-17
PLOT TIME: 10:19:41

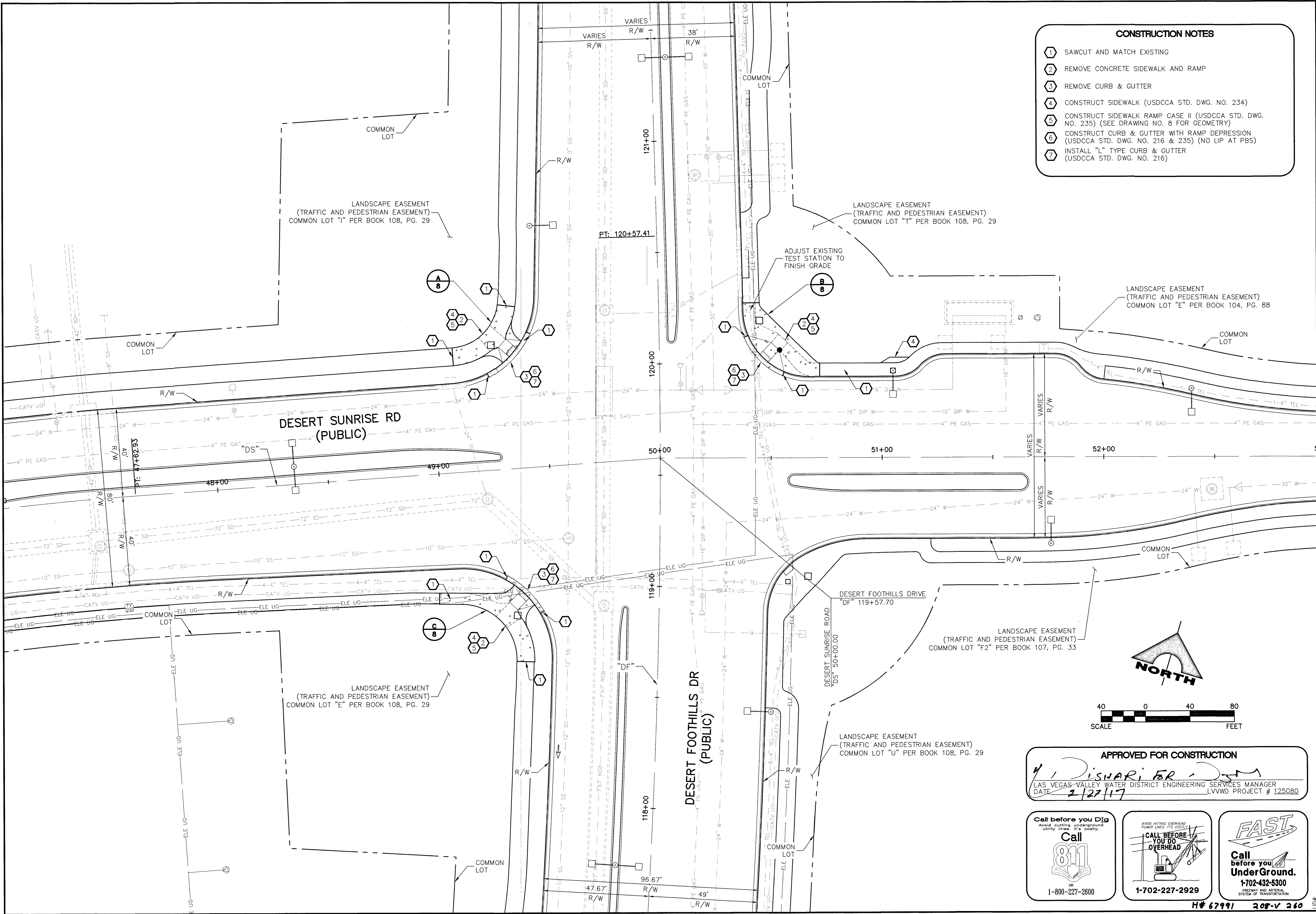
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowingengineering.com

GCA
ENGINEERS & SURVEYORS

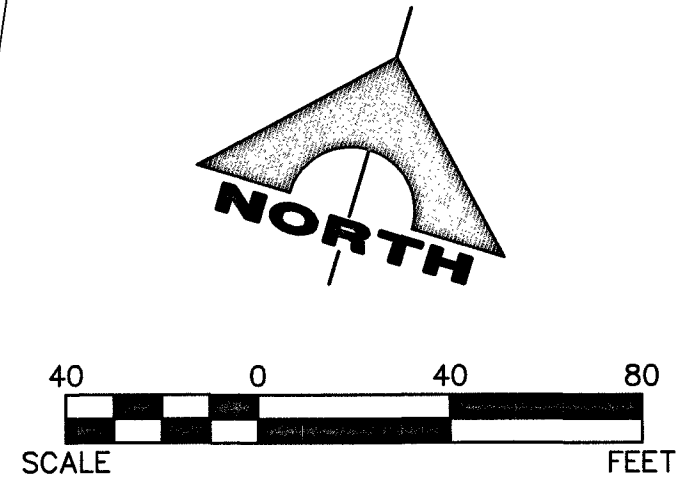
STATE OF NEVADA
JOHNIE R. FATE, JR.
CIVIL ENGINEER
No. 1151
Exp. 12/31/2017
DATE: 2-9-17

DRAWING
6
6 OF 8 SHTS

H# 67991 208-V 260



- CONSTRUCTION NOTES**
- 1 SAWCUT AND MATCH EXISTING
 - 2 REMOVE CONCRETE SIDEWALK AND RAMP
 - 3 REMOVE CURB & GUTTER
 - 4 CONSTRUCT SIDEWALK (USDCCA STD. DWG. NO. 234)
 - 5 CONSTRUCT SIDEWALK RAMP CASE II (USDCCA STD. DWG. NO. 235) (SEE DRAWING NO. 8 FOR GEOMETRY)
 - 6 CONSTRUCT CURB & GUTTER WITH RAMP DEPRESSION (USDCCA STD. DWG. NO. 216 & 235) (NO LIP AT PBS)
 - 7 INSTALL "L" TYPE CURB & GUTTER (USDCCA STD. DWG. NO. 216)



APPROVED FOR CONSTRUCTION
[Signature]
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 2/27/17 LVWD PROJECT # 125080

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
OR
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU BO OVERHEAD
1-702-227-2929

FAST
Call before you UnderGround.
1-702-432-5300
FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION

PROJECT NO. **62023-706**

DESIGN: JRT
DRAWN: TC
CHECK: [Signature]

PLOT DATE: 02-09-17
PLOT TIME: 10:20:01

1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
govenengineering.com

THE HOWARD HUGHES COMPANY, LLC

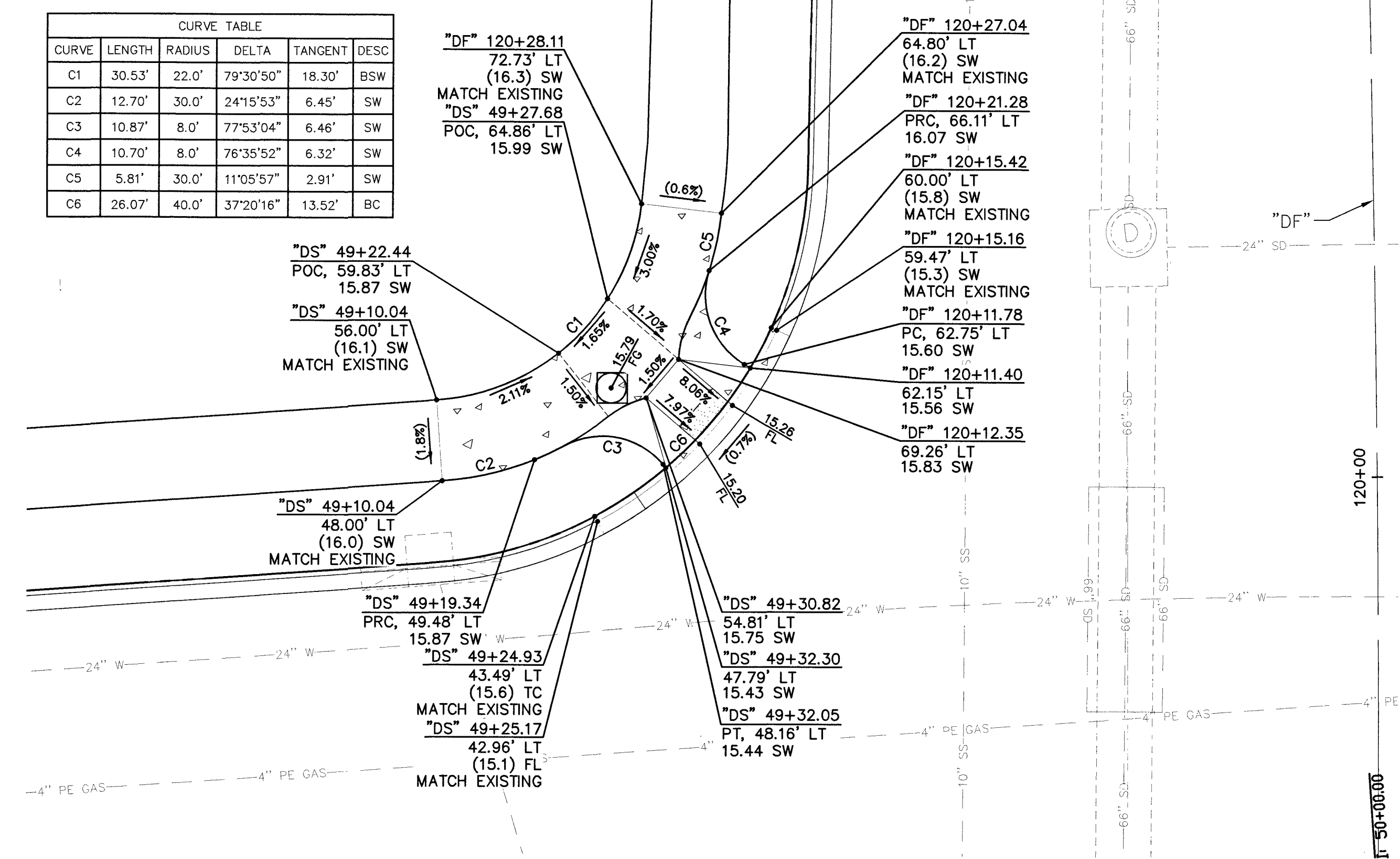
TRAFFIC SIGNAL SYSTEM AT
DESERT FOOTHILLS DRIVE/DESERT SUNRISE ROAD

CONSTRUCTION PLAN

DRAWING
7
7 OF 8 SHTS

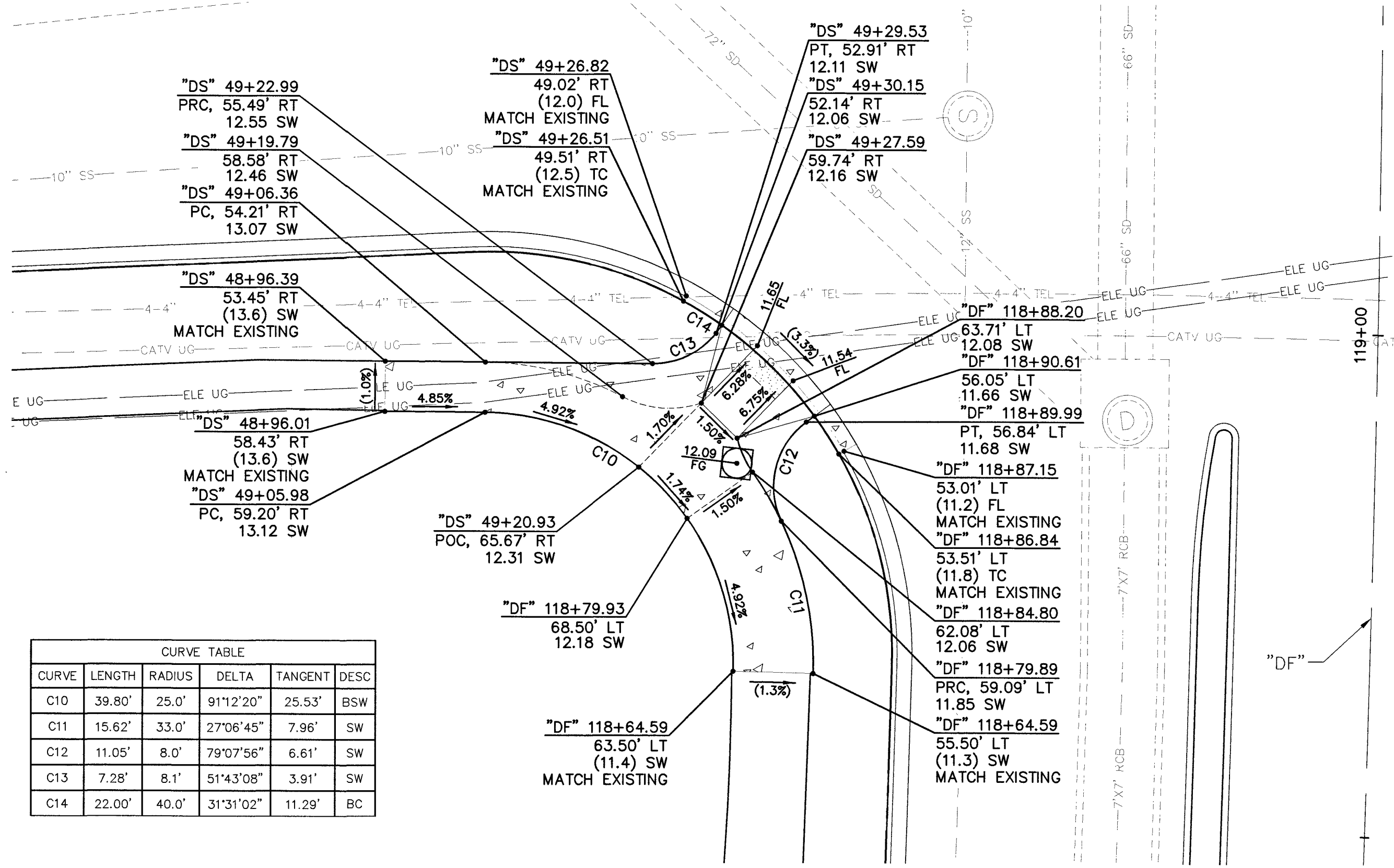
PROJ#125080 AGR:16220 QS:137-34-SE

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	DESC
C1	30.53'	22.0'	79°30'50"	18.30'	BSW
C2	12.70'	30.0'	24°15'53"	6.45'	SW
C3	10.87'	8.0'	77°53'04"	6.46'	SW
C4	10.70'	8.0'	76°35'52"	6.32'	SW
C5	5.81'	30.0'	11°05'57"	2.91'	SW
C6	26.07'	40.0'	37°20'16"	13.52'	BC



SIDEWALK RAMP - NW CORNER

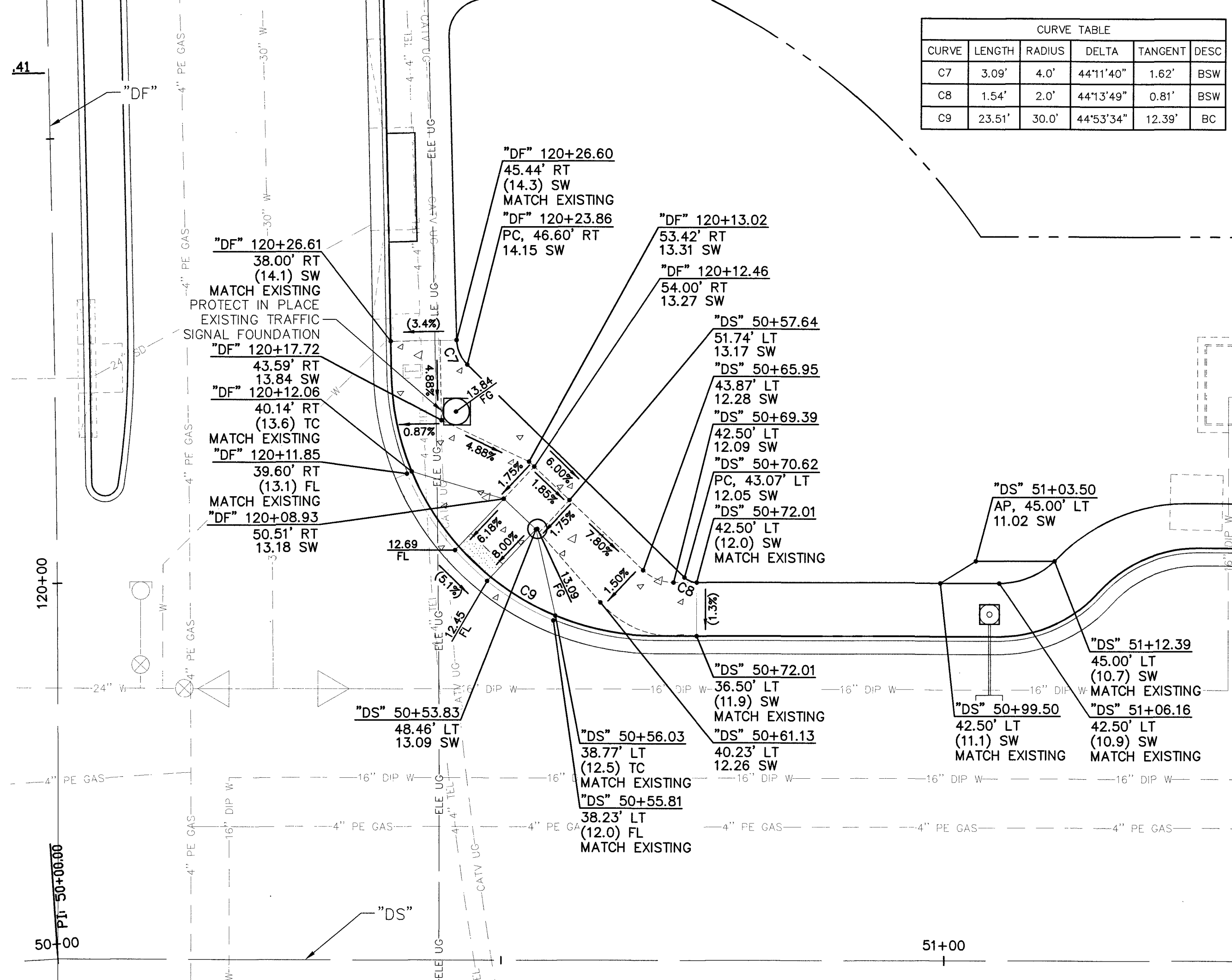
SCALE: NTS



SIDEWALK RAMP - SW CORNER

SCALE: NTS

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	DESC
C10	39.80'	25.0'	91°12'20"	25.53'	BSW
C11	15.62'	33.0'	27°06'45"	7.96'	SW
C12	11.05'	8.0'	79°07'56"	6.61'	SW
C13	7.28'	8.1'	51°43'08"	3.91'	SW
C14	22.00'	40.0'	31°31'02"	11.29'	BC

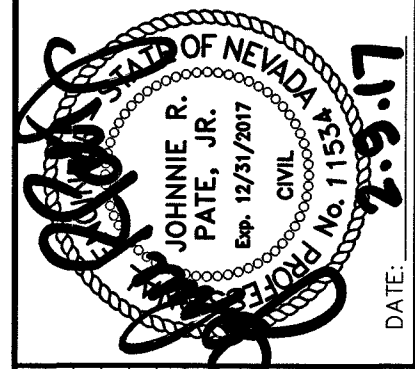


SIDEWALK RAMP - NE CORNER

SCALE: NTS

PEDESTRIAN PUSH BUTTONS MUST BE WITHIN 10' REACH OF THE LEVEL LANDING SURFACE

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	TANGENT	DESC
C7	3.09'	4.0'	44°11'40"	1.62'	BSW
C8	1.54'	2.0'	44°13'49"	0.81'	BSW
C9	23.51'	30.0'	44°53'34"	12.39'	BC



PROJECT NO.	DATE	REV	DATE	DESCRIPTION	DATE	AGENCY	DATE	AGENCY	DATE	AGENCY
62023-706										
DESIGN: ST										
DRAWN: ST										
CHECK: ST										
PLOT DATE: 02-09-17										
PLOT TIME: 10:20:22										

PROJECT NO. 62023-706
DESIGN: ST
DRAWN: ST
CHECK: ST
PLOT DATE: 02-09-17
PLOT TIME: 10:20:22
1555 S. RAINBOW BLVD.
LAS VEGAS, NV 89146
T: 702.804.2000
F: 702.804.2299
gowengineering.com
ENGINEERS & SURVEYORS

THE HOWARD HUGHES COMPANY, LLC
TRAFFIC SIGNAL SYSTEM AT
DESERT FOOTHILLS DRIVE/DESERT SUNRISE ROAD
DETAILED GRADING PLAN

DRAWING
8

H#67991 208-V 260

8 OF 8 SHTS