

CITY OF LAS VEGAS, NEVADA

APPROVED FOR CONSTRUCTION

THIS APPROVAL IS FOR WORK IN CITY OF LAS VEGAS ROW OR CITY OF LAS VEGAS EASEMENTS ONLY. OBTAINING PERMISSION OR EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

C19-01123 107V0898-FIB

APPROVAL:

DATE:

CONTACT INFORMATION

ENGINEER: BLACK & VEATCH CORPORATION
8965 S. EASTERN AVE, SUITE #325
LAS VEGAS, NV 89123

CONTACT: JASON FRAYER
(702) 460-8926

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

PROJECT DESCRIPTION

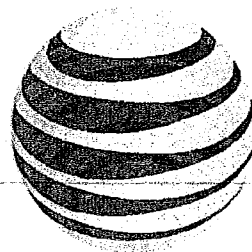
AT&T WIRELESS PROPOSES A NEW WIRELESS INSTALLATION ON A LIGHT POLE. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL (1) CANISTER ANTENNA
- INSTALL (1) ANTENNA MOUNT
- INSTALL (3) RADIO UNITS
- INSTALL (2) CROSS BAND COMBINERS
- INSTALL (1) RF DISCONNECT
- INSTALL (1) HANDHOLE
- INSTALL (1) PULL BOX

By Others: COX

PROJECT INFORMATION

PROPERTY OWNER: CITY OF LAS VEGAS
SITE CONTACT: N/A
FA NUMBER: 14825505
USID: 209936
PACE ID: MRSOL022567
COUNTY: CLARK
LATITUDE (NAD 83): 36.167682°
LONGITUDE (NAD 83): -115.334311°
GROUND ELEVATION: 3259.91' A.M.S.L.
ANTENNA TIP HEIGHT: 33'-10" AGL
ZONING JURISDICTION: CITY OF LAS VEGAS
ZONING DISTRICT: N/A
PARCEL #: 13734697008
OCCUPANCY GROUP: U
CONSTRUCTION TYPE: I-B
POWER COMPANY: NV ENERGY
RF ENGINEER: BRIAN CRISS
(702) 768-0163
LEASING AGENT: JASON FRAYER
(702) 460-8926
ZONING AGENT: JASON FRAYER
(702) 460-8926
CONSTRUCTION MANAGER: SUMANTH CHEJARLA
CHEJARLAS@V.COM



at&t

CRAN_NVL08227F_R01

USID #: 209936
PICO SMALL CELLINTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138

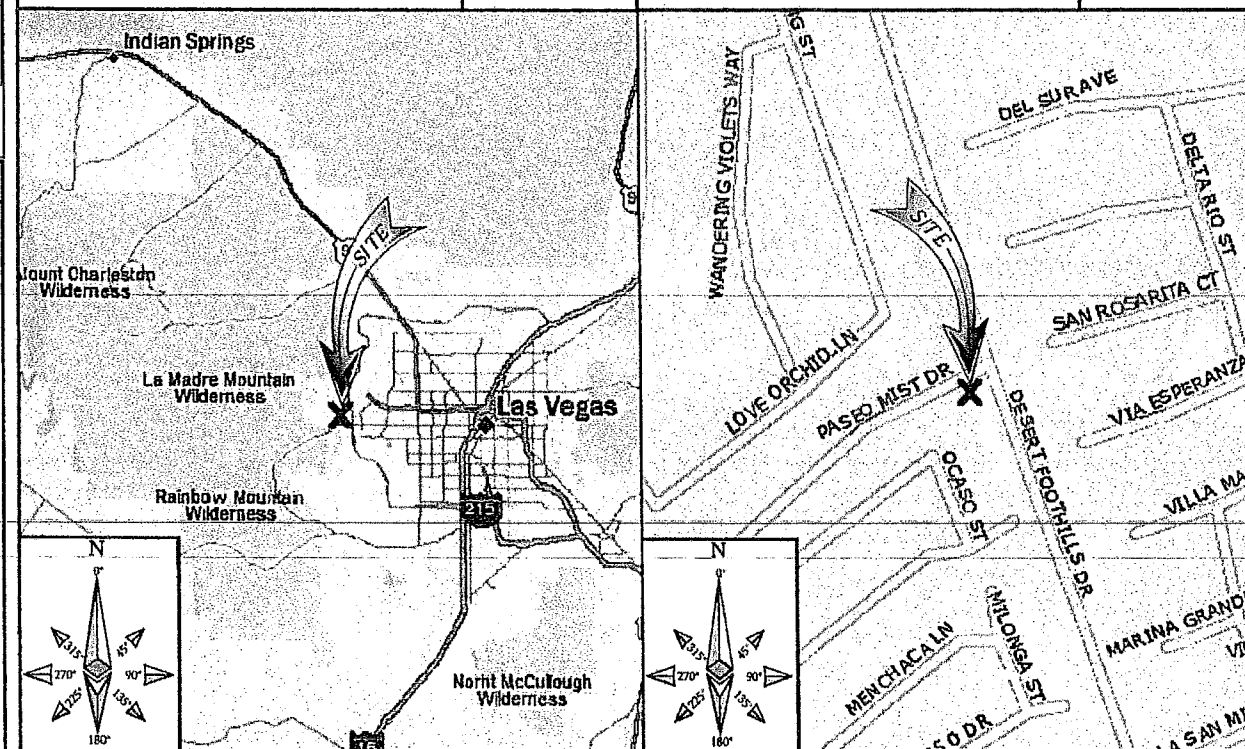
LOCATION MAPS

VICINITY MAP

NO SCALE

LOCAL MAP

NO SCALE



DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE:

FROM 10550 W CHARLESTON, LAS VEGAS, NV: GO STRAIGHT ON SR 159 TURN RIGHT ONTO DESERT FOOTHILLS DR. TURN LEFT ONTO PASEO MIST DR. SITE WILL BE ON THE LEFT.

APPLICABLE CODES

JURISDICTION: CITY OF LAS VEGAS, NEVADA

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN CONFORMING TO THESE CODES.

- 2018 INTERNATIONAL BUILDING CODE (IBC) WITH NEVADA STATE AMENDMENTS
- 2017 NATIONAL ELECTRIC CODE (NEC) WITH NEVADA STATE AMENDMENTS

IN THE EVENT OF A CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

LEASING REPRESENTATIVE: _____ DATE: _____
ZONING VENDOR: _____ DATE: _____
AT&T RF ENGINEER: _____ DATE: _____
CONSTRUCTION MANAGER: _____ DATE: _____
AT&T CX MANAGER: _____ DATE: _____
SITE ACQUISITION MANAGER: _____ DATE: _____
A/E MANAGER: _____ DATE: _____
AT&T PROJECT MANAGER: _____ DATE: _____
PROPERTY OWNER: _____ DATE: _____

DRAWING INDEX

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
A-1	EXPANDED SITE PLAN AND UTILITY ROUTE
A-1.1	ENLARGED SITE PLAN
A-2	POLE ELEVATIONS AND RISER DETAILS
A-3	EQUIPMENT DETAILS
A-4	EQUIPMENT DETAILS
E-1	ELECTRICAL DETAILS AND DIAGRAMS
E-2	ELECTRICAL CALCULATIONS AND SCHEDULES
E-3	ELECTRICAL ONE-LINE DIAGRAM
G-1	GROUNDING DIAGRAMS
GN-1	GENERAL NOTES, LEGEND AND ABBREVIATIONS
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES

FOR REFERENCE

LS-1	SMALL CELL SITE SURVEY
-	CITY OF LAS VEGAS CELL SITE APPROVAL

AS-BUILT REDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wacom Inc.	12.31.19
Field Coordinator	Date
Marked Engineer	Date
Marked Engineer	12.31.19

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



UNDERGROUND
SERVICE ALERT
811 or
1-800-642-2444
48 HOURS BEFORE YOU DIG



Know what's below.
Call before you dig.



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

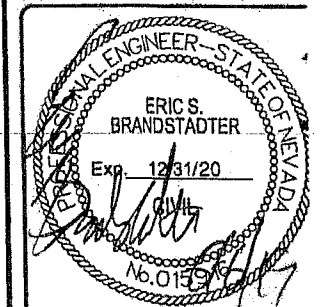
BLACK & VEATCH CORPORATION
8965 S. EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.151

DRAWN BY: AN

CHECKED BY: GA

REV	DATE	DESCRIPTION
0	06/04/19	ISSUED FOR CONSTRUCTION
1		
2		
3		
4		
5		
6		
7		
8		
9		



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

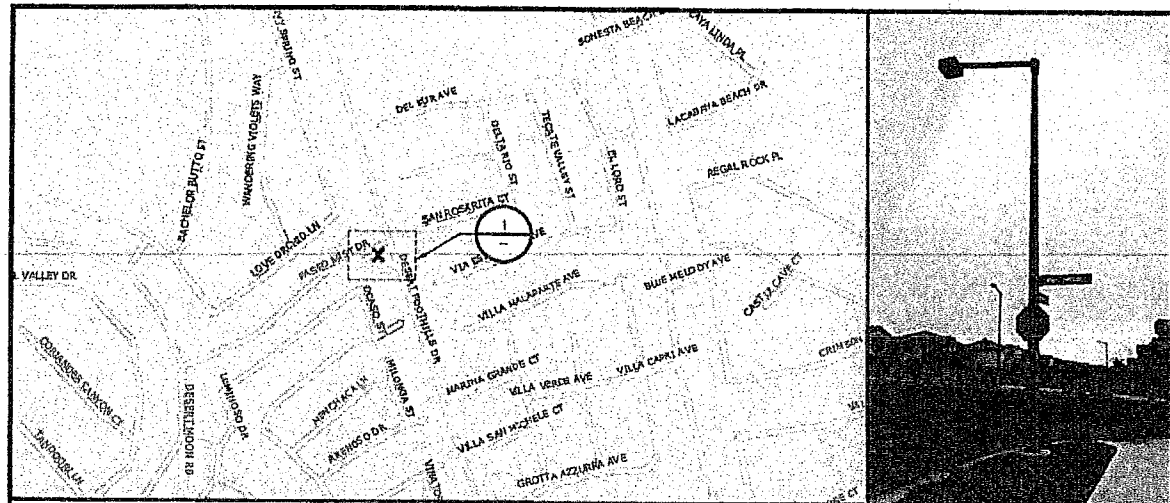
NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



SITE PLAN MAP

NO SCALE

A

SITE PHOTO

B

THIS DRAWING IS NOT A SITE SURVEY
THE PURPOSE OF THIS DRAWING IS TO SHOW HOW THE DEVELOPED SITE RELATES TO THE PARENT PARCEL AND ADJACENT PROPERTIES. R.O.W. MEASUREMENTS ARE APPROXIMATIONS.

AS-BUILT REDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecom Inc.	12.31.19
Electrical Engineer	Date
Patrick Fleming	12.31.19

at&t
AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135

BLACK & VEATCH
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.1514
DRAWN BY: AND
CHECKED BY: GAC

REV	DATE	DESCRIPTION
0	08/04/19	ISSUED FOR CONSTRUCTION

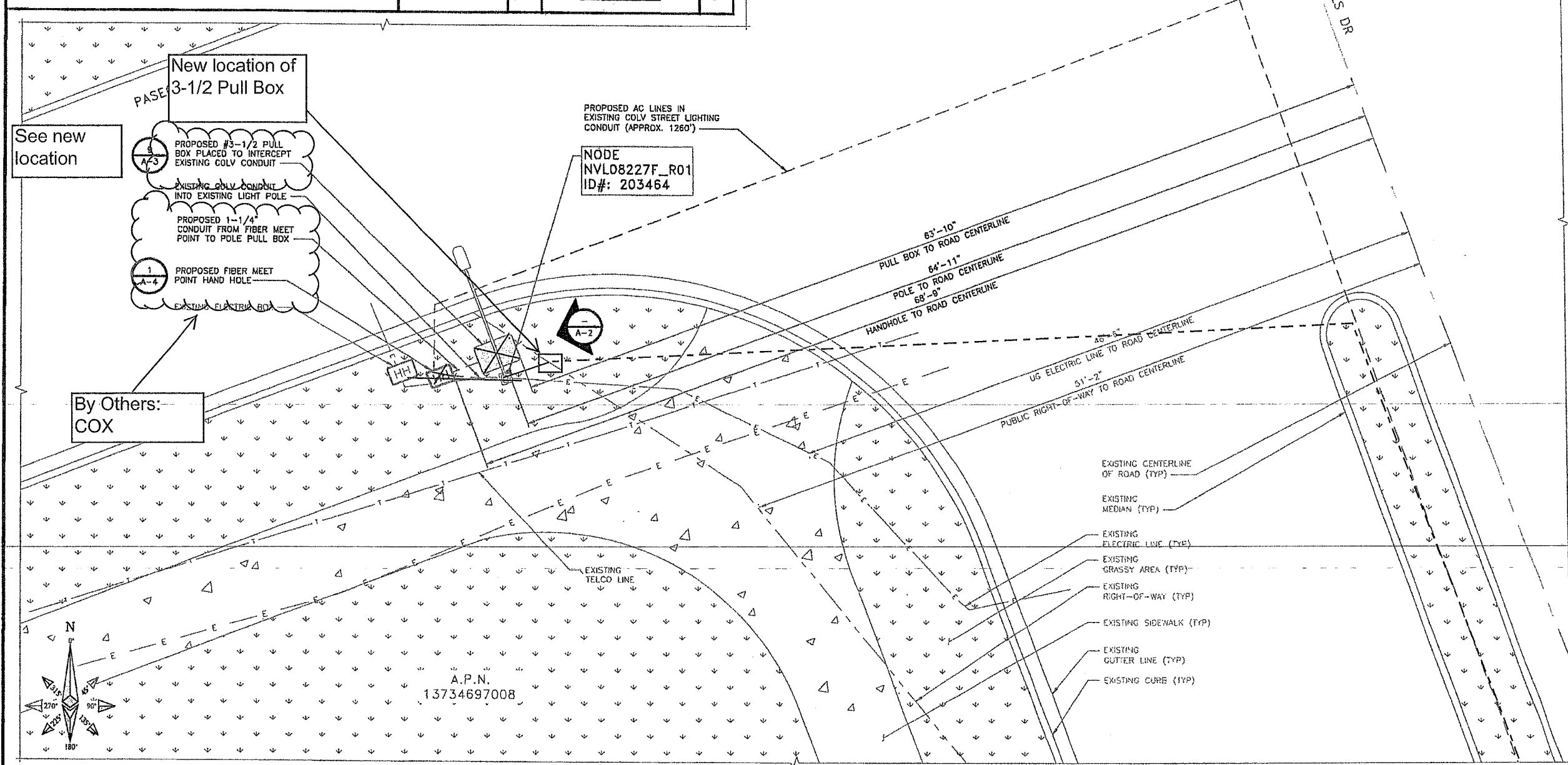
PROFESSIONAL ENGINEER - STATE OF NEVADA
ERIC S. BRANDSTADTER
Exp. 12/31/20
CIVIL
12/15/19

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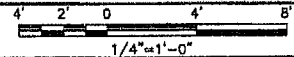
NVLO8227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A-1.1

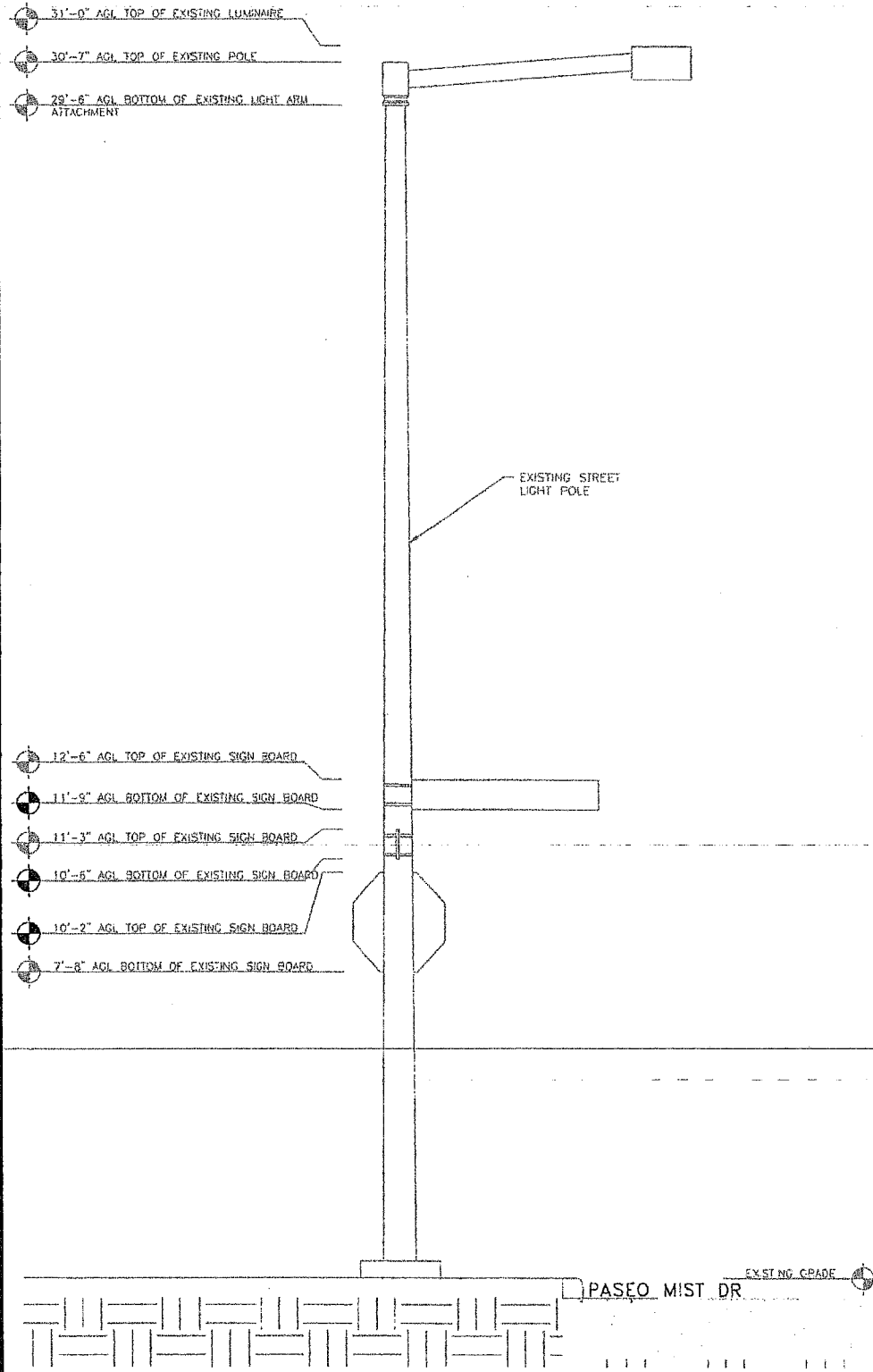


ENLARGED SITE PLAN



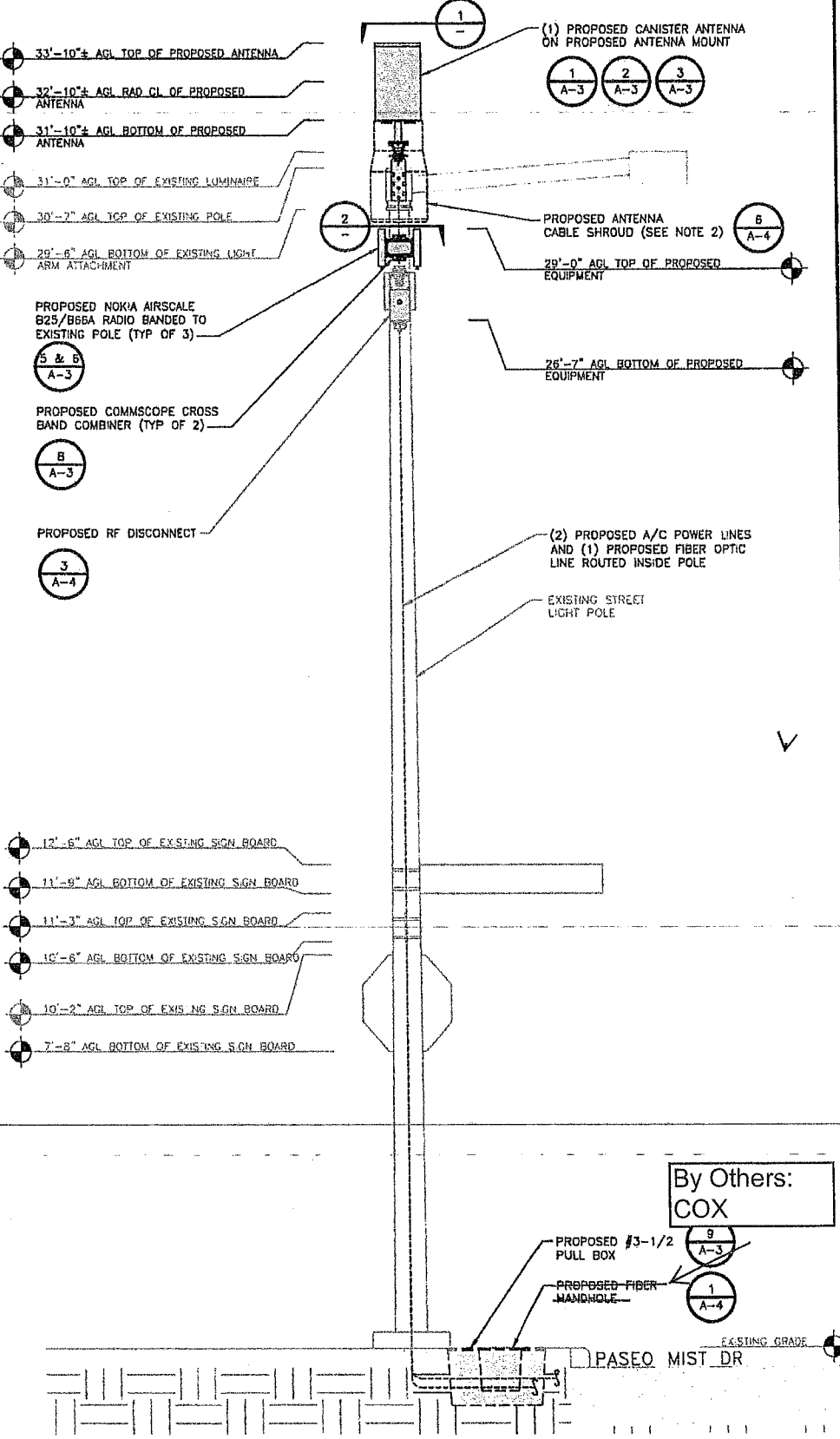
A

NOTE
THESE DRAWINGS HAVE BEEN CREATED BASED ON STRUCTURAL CALCULATIONS PERFORMED BY BLACK & VEATCH CONFIRMING THAT THE STRUCTURE HAS SUFFICIENT CAPACITY TO SUPPORT THE PROPOSED LOADING.

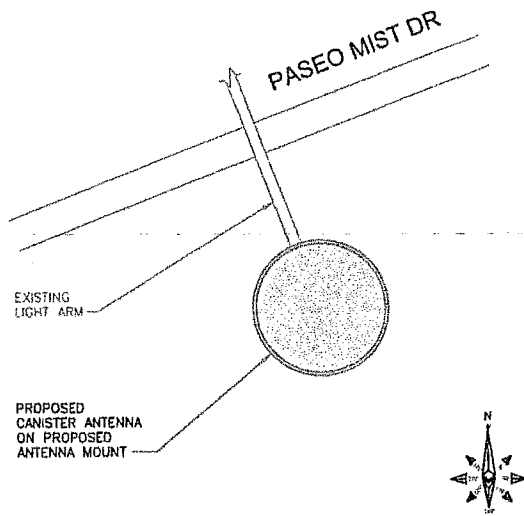


EXISTING NORTHEAST ELEVATION

NOTE
1. REFER TO THE RFDS FOR THIS NODE FOR THE AZIMUTH INFORMATION.
2. CABLE SHROUD NOT ENTIRELY SHOWN FOR CLARITY.
3. ALL EQUIPMENT TO BE PAINTED TO MATCH EXISTING STRUCTURE.
4. ALL POLE PENETRATIONS TO BE SEALED AGAINST WATER AND INSECT INTRUSION



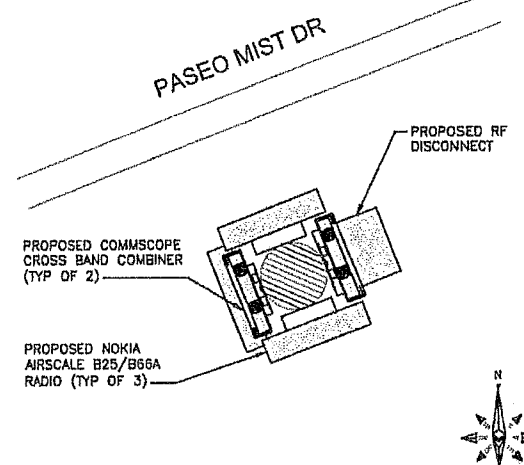
PROPOSED NORTHEAST ELEVATION



ANTENNA PLAN VIEW

NO SCALE

1



RADIO PLAN VIEW

NO SCALE

2

AS-BUILT REDLINE	
THE MARKING ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wacom Inc.	12.31.19
Field Coordinator	Date
Marked Engineer (and Project Engineer) Drawing Not Reissued	
Changes by: (See Also: City Ordinance Through Existing South Ave	
Code Revisions	
Marked Lead Engineer	Date
Fabrizio P. P. P.	12.31.19

NOT USED

NO SCALE

3



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

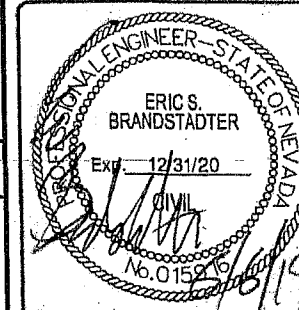
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.1514

DRAWN BY: ANI

CHECKED BY: GAC

REV	DATE	DESCRIPTION
0	06/04/19	ISSUED FOR CONSTRUCTION



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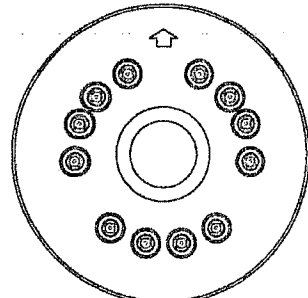
NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
POLE ELEVATIONS
AND RISER DETAILS

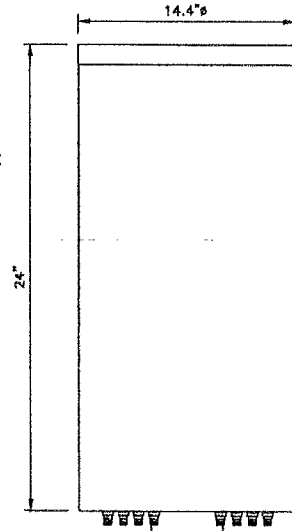
SHEET NUMBER

A-2

DIAMETER:	14.4" (365mm)
HEIGHT:	24" (610mm)
VOLUME:	2.26ft ³
TOTAL WEIGHT (WITHOUT MOUNT):	29.7 lbs (13.5 kg)
CONNECTOR INTERFACE:	(12) 4.3-10 FEMALE
RF CONNECTOR LOCATION:	BOTTOM

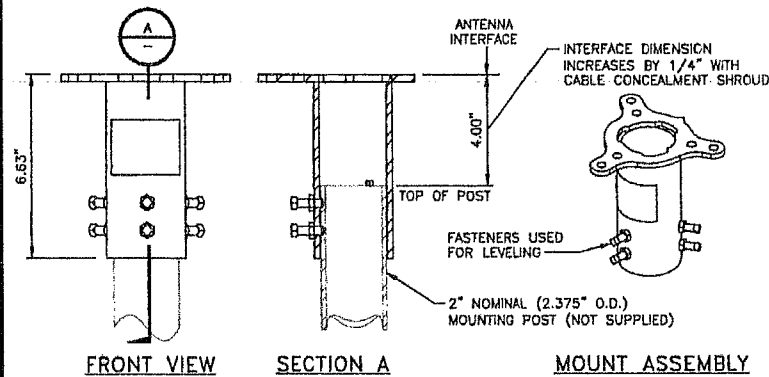


* PROPOSED ANTENNA SUBJECT TO CHANGE/SUBSTITUTION FOR SIMILAR MODEL. PLEASE VERIFY AGAINST CURRENT RFDS PRIOR TO INSTALLATION

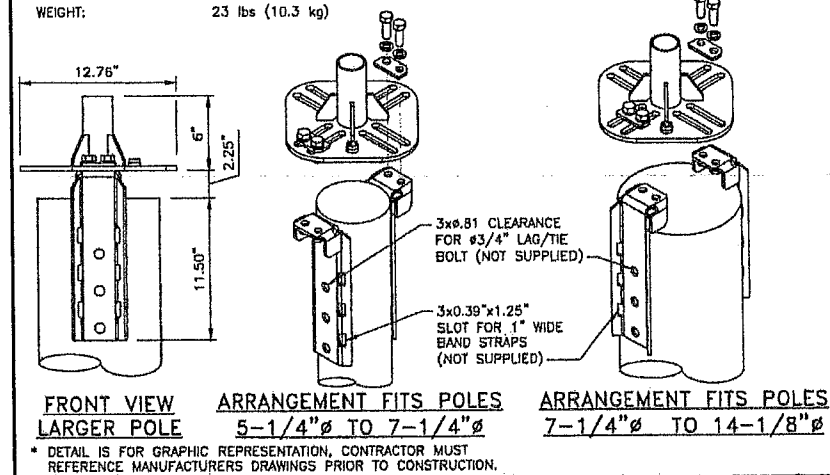


DIMENSIONS HxW: 6.83"x7.00"ø (169x178 mm)
WEIGHT (NO ANTENNA): 4.13 lbs (1.87 kg)

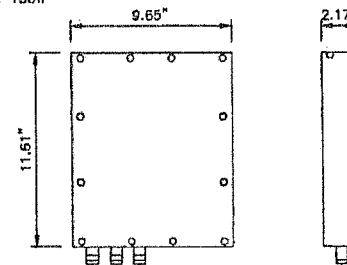
* DETAIL IS FOR GRAPHIC REPRESENTATION, CONTRACTOR MUST
REFERENCE MANUFACTURERS DRAWINGS PRIOR TO CONSTRUCTION.



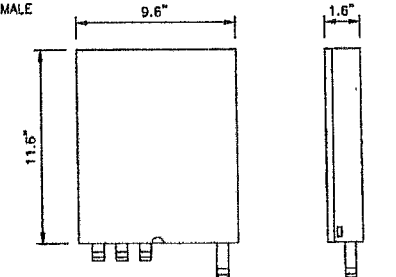
DIMENSIONS HxWxL: 19.875"x12.76"x12.76" (454x324x324 mm)
WEIGHT: 23 lbs (10.3 kg)

3

DIMENSIONS, HxWxD:	11.61"x9.65"x2.17" (295x245x55mm)
WEIGHT:	12.79 lbs (5.8 kg)
INTERFACES:	(2) CPRI FRONTHAUL PORTS (1) EXTERNAL ALARM PORT
POWER CONSUMPTION :	TYP. 110W, MAX. 150W
TEMP. RANGE:	-40°C TO +55°C



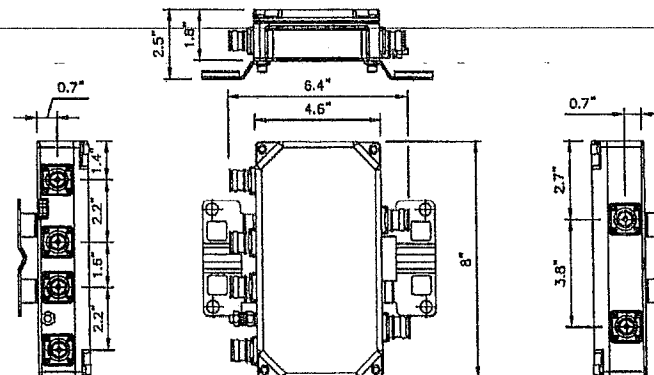
DIMENSIONS, HxWxD:	11.6"x9.8"x1.6" (294.64x243.84x40.64mm)
WEIGHT:	11.7 lbs (5.31 kg)
INTERFACES:	(1) CPRI SFP INCLUDED
ANTENNA CONFIGURATION:	2T2R
RF:	NEX10 PLUS FEMALE



FRONT VIEW SIDE VIEW

1000

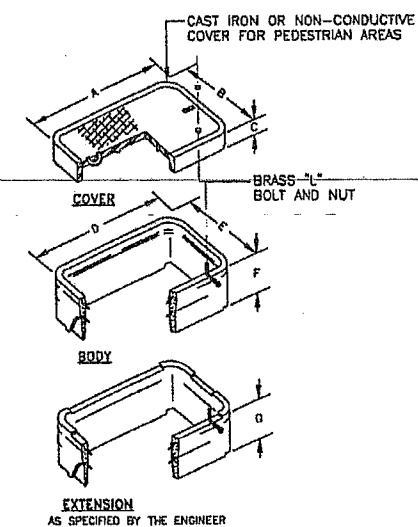
DIMENSIONS, WxDxH:	4.6"x1.8"x3.3" (116x46x212mm)
CONNECTORS:	MODULES: (4) 4.3-10 DIN FEMALE ANT: (2) 4.3-10 DIN FEMALE
WEIGHT:	4.9 lbs (2.2 kg)



1. COVERS INSTALLED IN TRAFFIC AND OPEN AREAS ACCESSIBLE TO TRAFFIC SHALL BE PER STANDARD DRAWING NO. 327.
2. SEE STANDARD DRAWING NO. 323 FOR COVER GROUNDING.
3. REFER TO SHEET GN-1 FOR ADDITIONAL HANDHOLE NOTES.

PULL BOX			
	SIZE (COMMERCIAL DESIGNATION)		
	3-1/2	5	7
A	15	21-3/4	30-5/8
B	10	11-3/4	17-5/8
C	3/4	2	2
D	19-3/8	25	34-3/8
E	14-3/8	15	21-3/8
F	12	12	12
G	N/A	10-1/4	11-1/4

NOMINAL DIMENSION IN INCHES



1

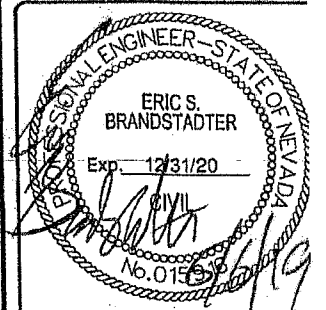


AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

CHECKED BY: GAI

[illegible]

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NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

A-3

FCA243624T-00006 FIBERGLASS/PCX POLYMER CONCRETE ASSEMBLY

DIMENSIONS (LxWxH): 36"x24"x24"
INTERIOR DIMENSIONS (LxWxH): 33"x21"x21"

- USDA/RUS APPROVED
- DROP-IN NAMEPLATE
- SHIPPED ASSEMBLED
- SKID RESISTANT COVER
- STAINLESS STEEL BOLTS
- CAST-IN FLOATING NUT BOX
- INTEGRAL DRAIN HOLES

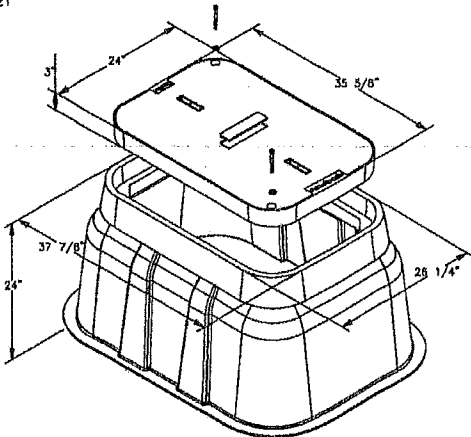
LOAD RATINGS:

INCIDENTAL TRAFFIC - PARKING LOT, SIDEWALK

CONFORMS TO:

- WUC 3.6
- ASTM C 857
- ANSI/SCTE 77 - "T15/20K"

INSIDE DIMENSIONS		
Length	Width	Depth
33 1/8"	21 1/2"	21"
43 7/8"	32 3/8"	



HAND HOLE SPECIFICATIONS

NO SCALE

1

NOT USED

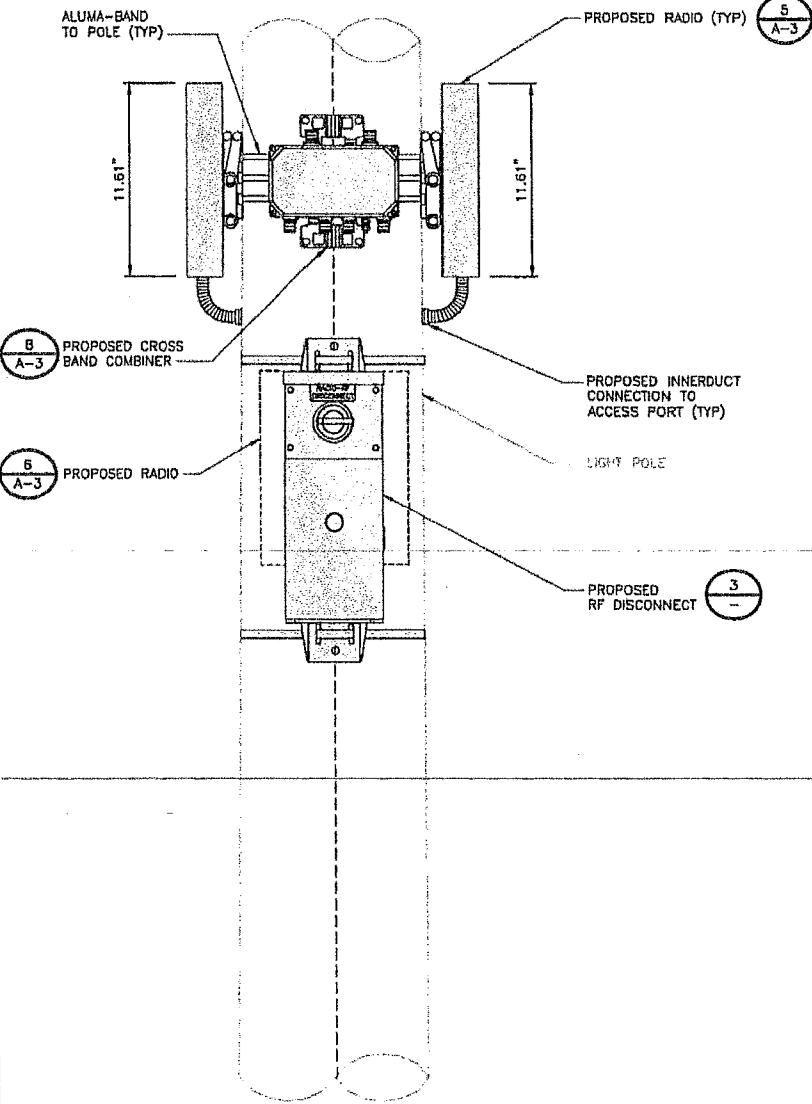
NO SCALE

2

LOAD CENTER DETAIL

NO SCALE

3



EQUIPMENT PLACEMENT DETAIL

NO SCALE

4

NOT USED

NO SCALE

7

NOT USED

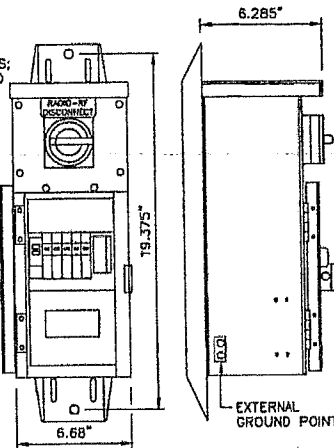
NO SCALE

8

PACTEHSOL PTS90123

DIMENSIONS, HxWxD (VOLUME): 16.15"x6.68"x6.285" (0.39ft³)
OPERATING VOLTAGE: 120 VAC
MAIN BREAKER: 60 amps
NUMBER OF BREAKERS (MAX): (5) UL-489 BREAKERS; 0-25 amp; DUAL SPD
POWER INPUT WIRE SIZE: #14-#4 awg CU-AI
POWER OUTPUT WIRE SIZE: #14-#4 awg CU-AI
NEUTRAL & GROUND CONTACTS: #14-#4 AWG CU-AI
TOTAL WEIGHT: 13 lbs

PACTEHSOL PTS90123									
NO.	DESCRIPTION	QTY	UNIT	QTY	UNIT	QTY	UNIT	QTY	UNIT
1	MAIN BREAKER	1	PCB	1	PCB	1	PCB	1	PCB
2	UL-489 BREAKER	5	PCB	5	PCB	5	PCB	5	PCB
3	DUAL SPD	1	PCB	1	PCB	1	PCB	1	PCB
4	POWER INPUT WIRE	1	AWG	1	AWG	1	AWG	1	AWG
5	POWER OUTPUT WIRE	1	AWG	1	AWG	1	AWG	1	AWG
6	NEUTRAL & GROUND CONTACTS	1	AWG	1	AWG	1	AWG	1	AWG
7	TOTAL WEIGHT	13	LBS	13	LBS	13	LBS	13	LBS



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

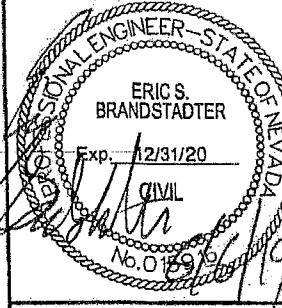
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.151

DRAWN BY: ANI

CHECKED BY: GAI

REV	DATE	DESCRIPTION
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NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
EQUIPMENT DETAILS

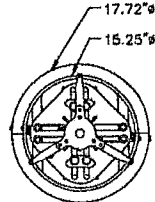
SHEET NUMBER

A-4

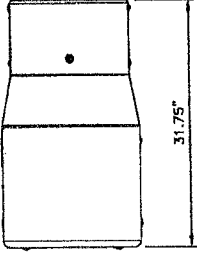
CONCEALFAB 900087

HEIGHT: 31.75" (806.45 mm)
DIAMETER: 17.72" (450 mm)
WEIGHT: 14.36 lbs (6.51 kg)

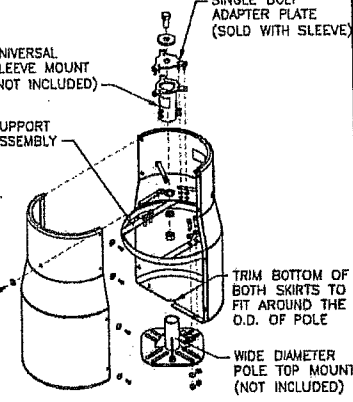
1. INSTALLER SHOULD MOUNT THE ANTENNA DIRECTLY TO THE CABLE SHROUD ARMS IF THE ANTENNA DOES NOT REQUIRE A SINGLE BOLT ADAPTER PLATE.
2. USE ANTI-SEIZE, AS REQUIRED.



TOP VIEW



FRONT VIEW



ASSEMBLY VIEW

NOT USED

NO SCALE

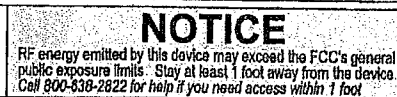
5

WIDE DIAMETER CABLE SHROUD

NO SCALE

6

AS-BUILT REDLINE	
THE SUBMITTER OF THIS DRAWING HEREBY CERTIFIES THAT THE AS-BUILT INSTALLATION	
Submittance	Date
Wecom Inc.	12.31.19
Field Conditions	Date
Marked Engineer Shall Review All Drawings To Ensure Changes Do Not Alter The Original Design Intent And To Scale Dimensions	
Marked Engineer	Date
Patrick Fleming	12.31.19



ATTENTION

AT&T operates antennas at this structure.

Above this point you are entering an area where where radio frequency (RF) fields may exceed the FCC General Population Exposure limits

Follow safety guidelines for working in an RF environment.

Keep ft. away from the fronts of antennas.

Contact AT&T at 800-638-2822, opt. 9, 3 and follow their instructions prior to performing and maintenance or repairs above this point

This is AT&T Site USID

AT&T operates antennas at this structure.

Above this point you are entering an area where where radio frequency (RF) fields may exceed the FCC General Occupational Exposure limits.

Follow safety guidelines for working in an RF environment.

Keep 1 ft. away from the fronts of antennas.

Contact AT&T at 800-638-2822, opt. 9, 3 and follow their instructions prior to performing and maintenance or repairs above this point.

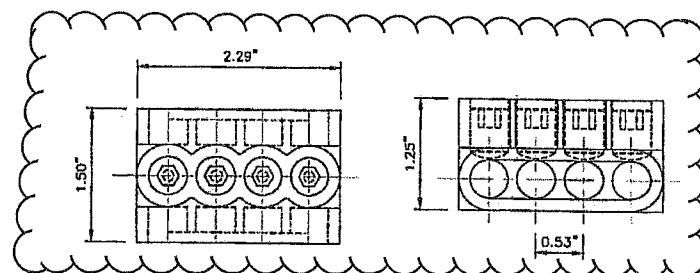
Cell Site USID

NOTE: SPECIFIC EME PLACARD WILL BE PLACED AFTER EME REPORT

NO SCALE

1

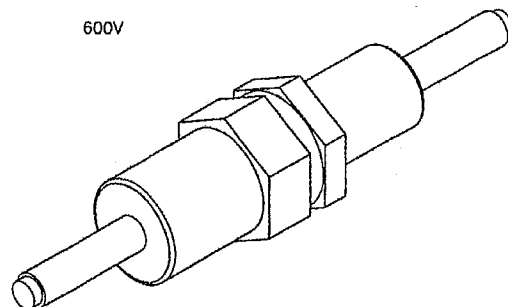
Not used



NO SCALE

2

BREAKAWAY MODEL#:	HEB-AW-RLC-A (5.8" LONG)
NON-BREAKAWAY MODEL#:	HEB-AA (4.4" LONG)
WIRE RANGE:	#8-16; (2) #12-16
RECOMMENDED FUSES:	BAF, FNM, FNQ, KLM AND KT
AMPS:	UP TO 30A
VOLTS:	600V



NO SCALE

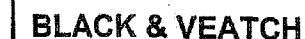
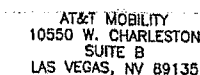
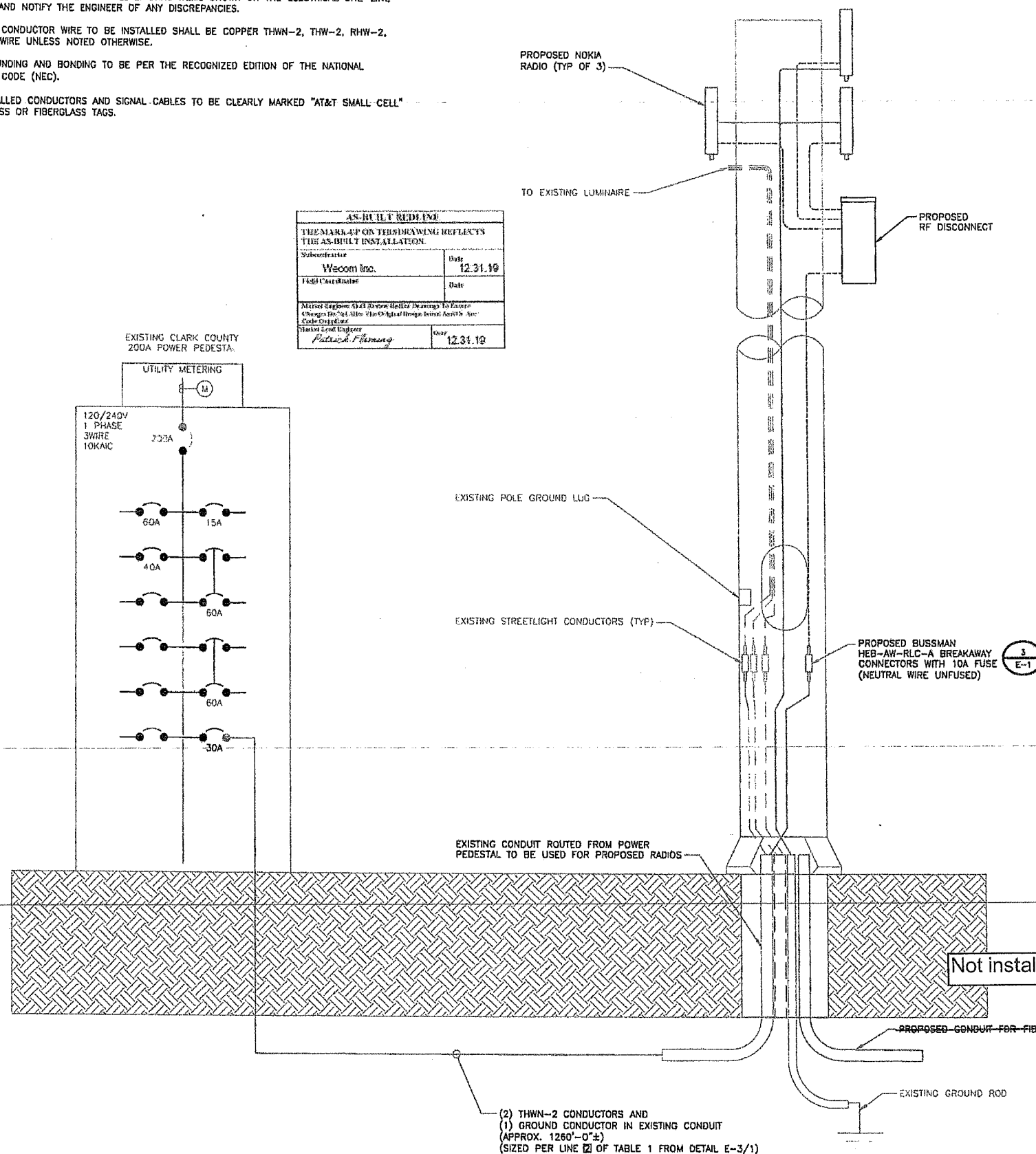
3

NO SCALE

1

1. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ELECTRICAL ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. ALL NEW CONDUCTOR WIRE TO BE INSTALLED SHALL BE COPPER THWN-2, THW-2, RHW-2, XHHW-2 WIRE UNLESS NOTED OTHERWISE.
3. ALL GROUNDING AND BONDING TO BE PER THE RECOGNIZED EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
4. ALL INSTALLED CONDUCTORS AND SIGNAL CABLES TO BE CLEARLY MARKED "AT&T SMALL-CELL" WITH BRASS OR FIBERGLASS TAGS.

AS-BUILT REDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecorn Inc.	12.31.14
Field Coordinator	Date
Attached Schedules 01-03 Review Health Drawings To Ensure Changes Met All Uses The Original Design Intent And As Code Compliance	
Market Lead Engineer	Date
Patrick Flannery	12.31.19



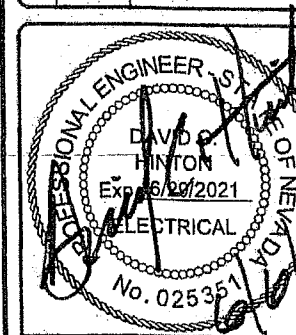
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.151

DRAWN BY: AN

CHECKED BY: _____

0	06/04/18	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

NYL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

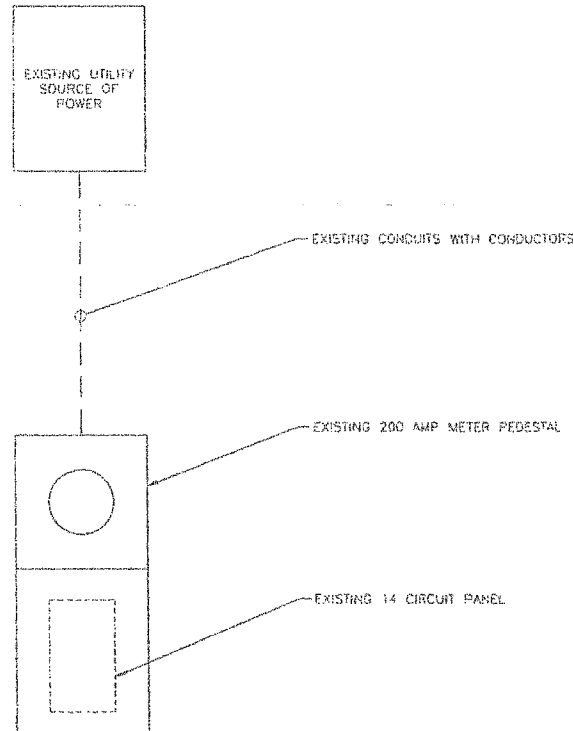
SHEET TITLE
ELECTRICAL DETAILS
AND DIAGRAMS

SHEET NUMBER

E-1

EXISTING ELECTRICAL LOAD STUDY

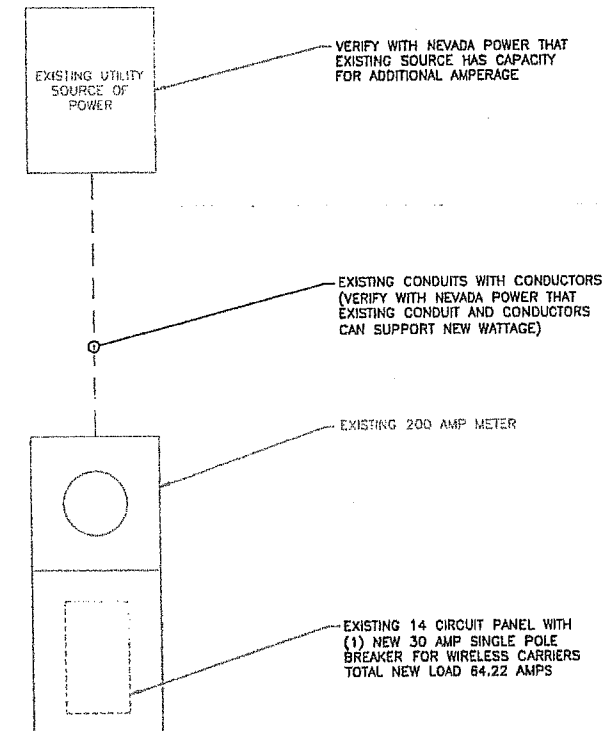
EXISTING LOAD.....49.50 AMPS
ALLOWED LOAD 80%.....160.00 AMPS



PROPOSED ELECTRICAL LOAD STUDY

EXISTING LOAD.....49.50 AMPS
SAFETY FACTOR 125%.....61.88 AMPS
PROPOSED LOAD.....2.34 AMPS
TOTAL LOAD.....64.22 AMPS
ALLOWED LOAD 80% OF 200 AMPS.....160.00 AMPS

AS-BUILT REDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecorn Inc.	12.31.19
Field Coordinator	None
I warrant that the work shown on this drawing was done in accordance with the specifications and standards of the National Electrical Contractors Association and the International Brotherhood of Electrical Workers.	
Electrician	Date
Patrick Fleming	12.31.19



EXISTING SINGLE LINE DIAGRAM

NO SCALE

1

PROPOSED SINGLE LINE DIAGRAM

NO SCALE

2

Site Name:		PASEO MIST AND DESERT FOOTHILLS						MODEL NUMBER:		EXISTING CLARK COUNTY METER AND LOAD CENTER PEDESTAL								
SITE NUMBER:		CRAN_NVL08227F_R01						PHASE:		1		WIRE:		3				
VOLTAGE:		240 /120 Volts AC						BUSS RATING:		200		AMPS						
MAIN BREAKER:		200 AMPS																
MOUNT:		SURFACE																
ENCLOSURE TYPE:		NEMA 3R																
PANEL STATUS:		EXISTING																
CKT	LOAD DESCRIPTION	BREAKER AMPS	BREAKER POLES	BREAKER STATUS	SERVICE LOAD VA	Demand Factor	USAGE FACTOR	PHASE A VA	PHASE B VA	USAGE FACTOR	Demand Factor	SERVICE LOAD VA	BREAKER STATUS	BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION	CKT	
1	EXISTING LOAD	60	1	ON	240	1.00	1.25	450		1.25	1.00	120	ON	1	15	PHOTO CELL	2	
3	EXISTING LOAD	40	1	ON	1920	1.00	1.25		5700	1.25	1.00	2640	ON	2	60	STREET LIGHTS	4	
5								3150		1.25	1.00	2520					6	
7									2700	1.25	1.00	2160					ON	2
9								2850		1.25	1.00	2280	10					
11									0								12	
13								563		1.25	1.00	450	NEW	1	30	PACTECHSOL PTS90122-3-AA777-PN-8	14	
								PHASE A	PHASE B									
								7013	8400	VA								
								TOTAL	KVA	15.41								
									AMPS	64.22								

PROPOSED PANEL SCHEDULE AND CALCS

NO SCALE

3



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

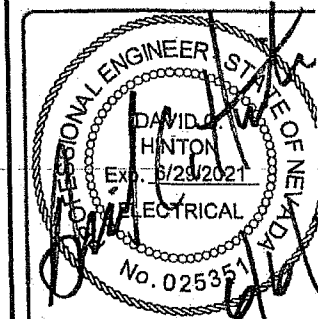
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.151

DRAWN BY: ANI

CHECKED BY: GAI

REV	DATE	DESCRIPTION
0	05/04/19	ISSUED FOR CONSTRUCTION



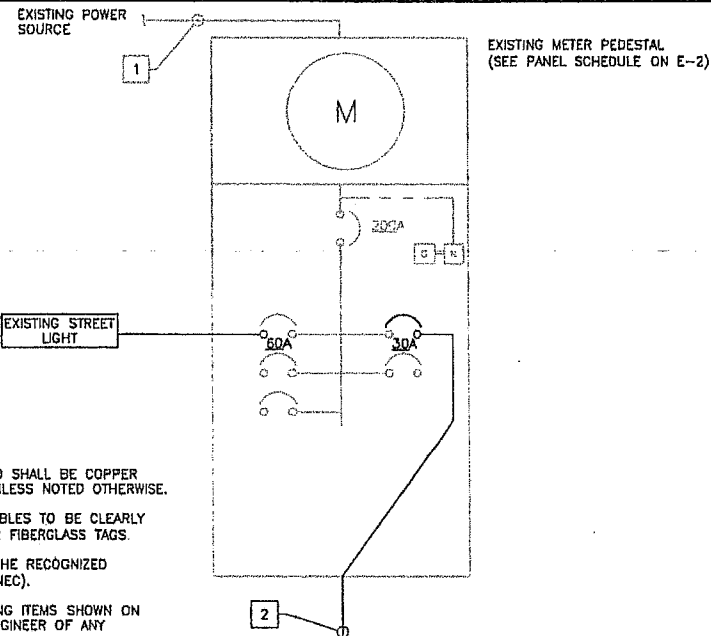
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NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
ELECTRICAL CALCULATION
AND SCHEDULES

SHEET NUMBER

E-2

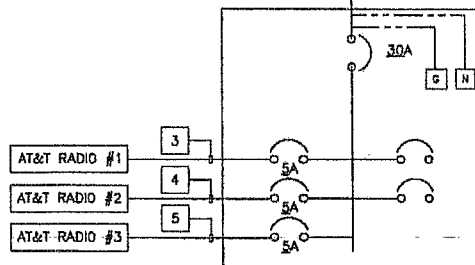


NOTES:

1. ALL NEW CONDUCTOR WIRE TO BE INSTALLED SHALL BE COPPER THWN-2, THW-2, RHW-2, XHHW-2 WIRE UNLESS NOTED OTHERWISE.
2. ALL INSTALLED CONDUCTORS AND SIGNAL CABLES TO BE CLEARLY MARKED "AT&T SMALL CELL" WITH BRASS OR FIBERGLASS TAGS.
3. ALL GROUNDING AND BONDING TO BE PER THE RECOGNIZED EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
4. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

NO	FROM	TO	CONFIGURATION
1	UTILITY P.O.C.	EXISTING METER PEDESTAL	EXISTING
2	EXISTING METER PEDESTAL	AC LOAD CENTER/ SAFETY SWITCH	(2) #4 CU THHN/THWN-2 (1) #8 EGC IN MINIMUM 1-1/4" PVC CONDUIT
3	AC LOAD CENTER/ SAFETY SWITCH	AT&T RADIO #1	(2) #12 CU THHN/THWN-2 (1) #12 CU EGC
4	AC LOAD CENTER/ SAFETY SWITCH	AT&T RADIO #2	(2) #12 CU THHN/THWN-2 (1) #12 CU EGC
5	AC LOAD CENTER/ SAFETY SWITCH	AT&T RADIO #3	(2) #12 CU THHN/THWN-2 (1) #12 CU EGC

TABLE 1



PROPOSED AT&T SMALL CELL LOAD CENTER WITH DISCONNECT (PSS90123 OR ENGINEER APPROVED EQUAL) 40A, 120VAC 1 PHASE, 2 WIRE (SEE PANEL SCHEDULE FOR LOADING)

120VAC FEEDER CONDUCTOR MAXIMUM DISTANCE			
#10 CU AWG	<400' - 0"	3% VOLT DROP @ 3.75A	
#8 CU AWG	400' - 615'	3% VOLT DROP @ 3.75A	
#6 CU AWG	615' - 980'	3% VOLT DROP @ 3.75A	
#4 CU AWG	980' - 1920'	3% VOLT DROP @ 3.75A	
#3 CU AWG	1920' - 2530'	3% VOLT DROP @ 3.75A	

Site Name: PASO MIST AND DESERT FOOTHILLS		MODEL NUMBER:						FACTECHSOL PFS90123										
SITE NUMBER: NVL08227F_R01		PHASE:						1				WIRE:		3				
VOLTAGE:		120		Vols AC				BUS RATING:		40		AMPS						
MAIN BREAKER:		30		AMPS														
MOUNT:		SURFACE																
ENCLOSURE TYPE:		NEMA 3R																
PANEL STATUS:		PROPOSED																
CKT	LOAD DESCRIPTION	BREAKER AMPS	BREAKER POLES	BREAKER STATUS	SERVICE LOAD VA	Demand Factor	USAGE FACTOR	PHASE A VA	PHASE B VA	USAGE FACTOR	Demand Factor	SERVICE LOAD VA	BREAKER STATUS	BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION	CKT	
1	NOKIA AIRSCALE MICRO 025044 RRH	5	1	NEW	150	1.00	1.00	750									2	
2									0								4	
3	NOKIA AIRSCALE MICRO 025044 RRH	5	1	NEW	150	1.00	1.00	750									6	
4									0								8	
5	NOKIA AIRSCALE MICRO 025044 RRH	5	1	NEW	150	1.00	1.00	750									10	
1. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.								450	0	VA								
								TOTAL		KVA	0.45							
										AMPS	3.75			≤ 50% OF MAIN BREAKER				

AS-BUILT FIELDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor: Wecom Inc.	Date: 12.31.19
Field Coordinator:	Date:
Notes: Verify All Work Has Been Installed Correctly To Ensure Compliance With All City, State, and Federal Regulations.	
Field Line Engineer: Patrick P. Flannery	Date: 12.31.19



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

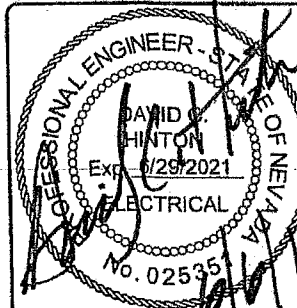
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.1514

DRAWN BY: AND

CHECKED BY: GAC

0	06/04/19	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



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NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
ELECTRICAL ONE-LINE
DIAGRAM

SHEET NUMBER

E-3

ELECTRICAL ONE-LINE DIAGRAM (PICO)

NO SCALE

1

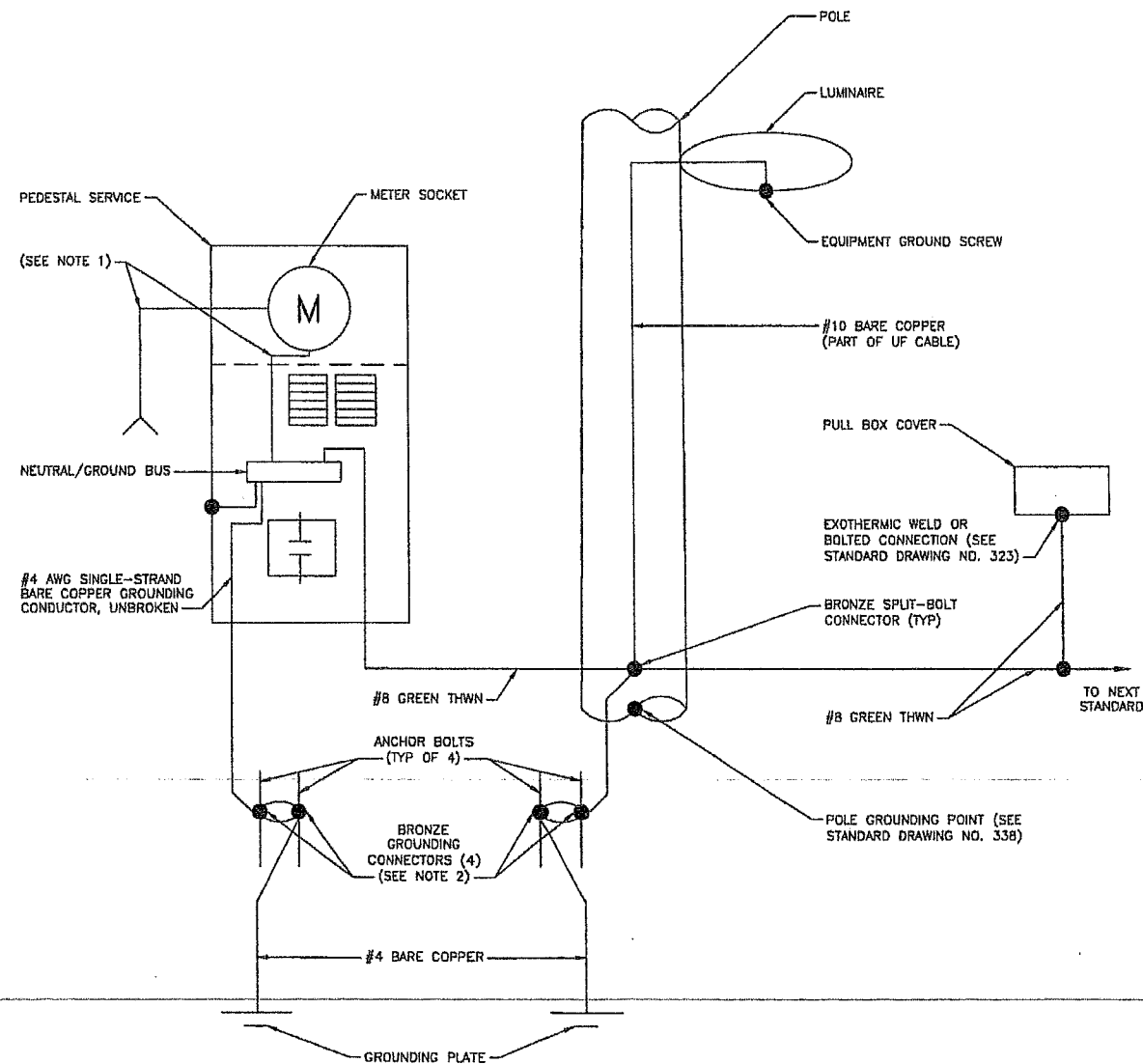
NOT USED

NO SCALE

2

NOTES

1. FOR CONDUIT SIZE AND WIRING REQUIREMENTS FOR STREETLIGHT SERVICE, SEE STANDARD DRAWING NO. 332.S2 FOR LAS VEGAS AND CLARK COUNTY ONLY AND 332.S1 FOR ALL OTHER ENTITIES.
2. SEE STANDARD DRAWING NO. 321, 332.S1, OR 332.S2.



METER PEDESTAL GROUNDING DIAGRAM

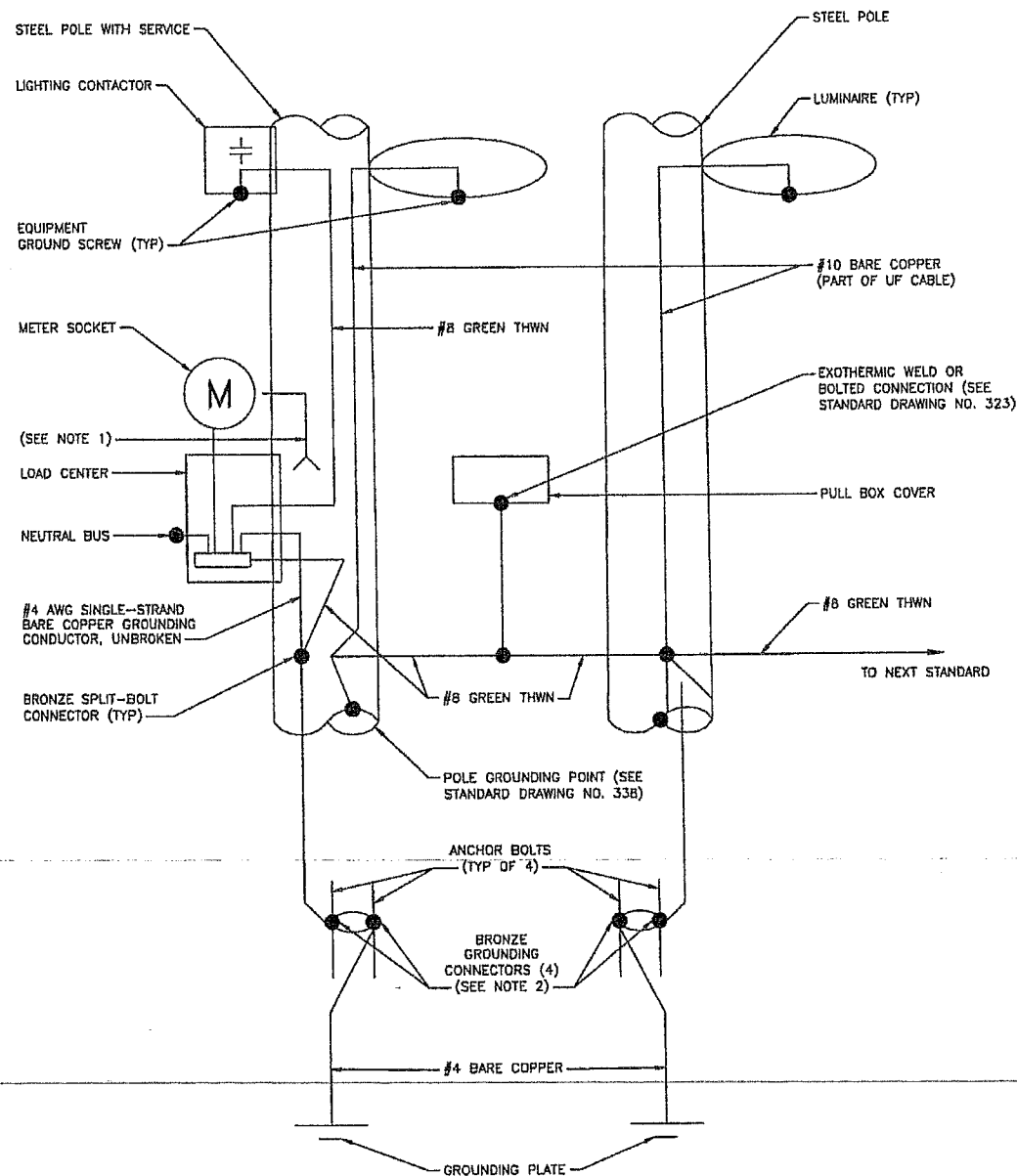
NO SCALE

1

NOTES

1. 125 AMP SERVICE: 1 #4 WHITE THW
200 AMP SERVICE: 1 #1/0 WHITE THW

AS-BUILT REDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Coordinator	Date
Marking Engineer	Date
Patricia Fleming	12.31.19



POLE EQUIPMENT GROUNDING DIAGRAM

NO SCALE

2



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

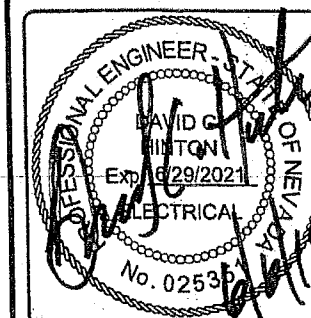
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.1514

DRAWN BY: ANE

CHECKED BY: GAC

REV	DATE	DESCRIPTION
0	06/04/19	ISSUED FOR CONSTRUCTION



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NVLO8227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE

GROUNDING DIAGRAMS

SHEET NUMBER

G-1

1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR - OVERLAND CONTRACTING INC. (B&V)
SUBCONTRACTOR - CONTRACTOR (CONSTRUCTION)
OWNER - AT&T
2. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS.
3. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL BECOME FAMILIAR WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOWN DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
8. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER AND USA PRIOR TO PROCEEDING.
10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
11. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
12. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
13. SEAL ANY PENETRATION WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
14. WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEViate FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
15. SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
16. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
17. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
18. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
20. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
21. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A AT 2-A10-B-C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
22. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
23. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
24. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
25. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
26. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
27. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
28. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
29. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
30. CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
31. CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
32. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO-HANDICAP-ACCESS-REQUIRED).
33. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
34. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
35. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
36. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
37. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
38. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
39. NO WHITE STROBE LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
40. ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
41. CONTRACTOR TO ENSURE LOCATES ARE COMPLETED PRIOR TO DIGGING IN THE ROW. IF UTILITIES ARE INDICATED WITHIN 3 FEET OF THE PROPOSED ROUTE, OR IF CROSSING EXISTING UTILITY, CONTRACTOR TO POT HOLE EXISTING UTILITY TO DETERMINE DEPTH AND EXACT LOCATION PRIOR TO CONSTRUCTION. IF UTILITY IS DAMAGED DURING THE INSTALLATION OF THE NEW CONDUIT, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE UTILITY IMMEDIATELY AND IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO HAVE ANY DAMAGE FIXED AND/OR REPAIRED PRIOR TO CLOSING THE EXCAVATION.

GENERAL NOTES

EXOTHERMIC CONNECTION	
MECHANICAL CONNECTION	
CHEMICAL ELECTROLYTIC GROUNDING SYSTEM	
TEST CHEMICAL ELECTROLYTIC GROUNDING SYSTEM	
EXOTHERMIC WITH INSPECTION SLEEVE	
GROUNDING BAR	
GROUND ROD	
TEST GROUND ROD WITH INSPECTION SLEEVE	
SINGLE POLE SWITCH	
DUPLEX RECEPTACLE	
DUPLEX CFCI RECEPTACLE	
FLUORESCENT LIGHTING FIXTURE (2) TWO LAMPS 48-78	
SMOKE DETECTION (DC)	
EMERGENCY LIGHTING (DC)	
SECURITY LIGHT W/PHOTOCELL LITHONIA ALXW LED-1-25A4D0/51K-SR4-120-PE-DOBTD	
CHAIN LINK FENCE	
WOOD/WROUGHT IRON FENCE	
WALL STRUCTURE	
LEASE AREA	
PROPERTY LINE (PL)	
SETBACKS	
ICE BRIDGE	
CABLE TRAY	
WATER LINE	
UNDERGROUND POWER	
UNDERGROUND TELCO	
OVERHEAD POWER	
OVERHEAD TELCO	
UNDERGROUND TELCO/POWER	
ABOVE GROUND POWER	
ABOVE GROUND TELCO	
ABOVE GROUND TELCO/POWER	
ABOVE GROUND FIBER	
ABOVE GROUND FIBER/POWER	
UNDERGROUND FIBER	
UNDERGROUND FIBER/POWER	
UNDERGROUND DUCT	
ABOVE GROUND POWER/AC	
ABOVE GROND POWER/DC	
SECTION REFERENCE	
DETAIL REFERENCE	
ELEVATION REFERENCE	
BREAKLINE	

LEGEND

[illegible]

ABBREVIATIONS



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

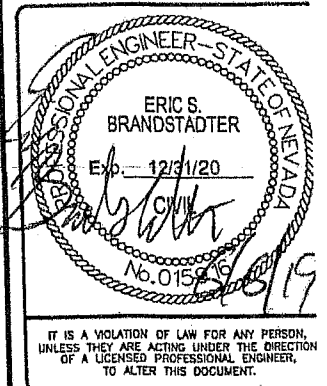
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.1514

DRAWN BY: ANI

CHECKED BY: GAC

0	09/04/19	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
GENERAL NOTES, LEGEND
AND ABBREVIATIONS

SHEET NUMBER

GN-1

1.1 GENERAL CONDITIONS:

1.1 GENERAL CONDITIONS:

- PART 2 - PRODUCTS

2.1 GENERAL:

2. GROUND ACCESS BOX SHALL BE A POLYPLASTIC BOX FOR NON-TRAFFIC APPLICATIONS, INCLUDING BOLT DOWN FLUSH COVER WITH "BREATHER" HOLES, KIT MODEL #XB-22. ALL DISCONNECT SWITCHES AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED LAMICOID NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS ID NUMBERING, AND THE ELECTRICAL POWER SOURCE.
3. BACKFILL MATERIAL SHALL BE LYNCOMBE AND LYNCOLE GROUNDING GRAVEL.

E. SYSTEM GROUNDING:

- ART. 3. -- EXECUTION

1.1 GENERAL:

- A. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON DSA APPROVED DWG'S.
- B. EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT OR WATER, AND AGAINST CHEMICAL OR MECHANICAL INJURY DURING INSTALLATION AND CONSTRUCTION PERIODS.
2. LABOR AND WORKMANSHIP:
- A. ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED FOR THE ELECTRICAL SYSTEM SHALL BE INSTALLED BY EXPERIENCED WIREMEN, IN A NEAT AND WORKMAN-LIKE MANNER.
- B. ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED, ALIGNED AND TESTED BY THE SUBCONTRACTOR AS REQUIRED TO PRODUCE THE INTENDED PERFORMANCE.
- C. UPON COMPLETION OF WORK, THE SUBCONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT, REMOVE ALL LABELS AND ANY DEBRIS, CRATING OR CARTONS AND LEAVE THE INSTALLATION FINISHED AND READY FOR OPERATION.

6.3 COORDINATION:

- A. THE SUBCONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL ITEMS WITH THE OWNER-FURNISHED EQUIPMENT DELIVERY SCHEDULE TO PREVENT UNNECESSARY DELAYS IN THE TOTAL WORK.

4.4 INSTALLATION:

- ### B. CONDUCTORS AND CABLE:

1. ALL POWER WIRING SHALL BE COLOR CODED AS FOLLOWS:

AS-BUILT REDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION	
Subcontractor	Date
Wecorn Inc.	12.31.18
Field Coordinator	Date
Marion Eugene Skelton, Melissa Deans, Joanne Chagnon Changes to allow the to be kept during the winter Cable Guard	
Master Lead Engineer	Date
Patrick Fleming	12.31.18

2. SPICES SHALL BE MADE ONLY AT OUTLETS, JUNCTION & APPROVED FOR THIS PURPOSE.
3. PULLING LUBRICANTS SHALL BE UL APPROVED, SUBCONTRACTOR FOR PULLING CONDUCTOR OR CABLES INTO THE CONDUIT
4. CABLES SHALL BE NEATLY TRAINED, WITHOUT INTERLACING BOXES & EQUIPMENT TO PERMIT MAKING A NEAT ARRANGEMENT. CABLES SHALL BE SECURED IN A MANNER TO AVOID TENSION ON CONDUCTORS OR TERMINALS. CONDUCTORS SHALL BE PROTECTED FROM MECHANICAL INJURY AND MOISTURE. SHARP BENDS OVER CONDUIT BUSHINGS IS PROHIBITED. DAMAGED CABLES SHALL BE REMOVED AND REPLACED AT THE SUBCONTRACTOR'S EXPENSE.
- | | | |
|---|--|----------------|
| Specialty Engineer: 3141 S. 10th Street, Minneapolis, MN 55404
Cable Engineer: 3141 S. 10th Street, Minneapolis, MN 55404
Specialty Engineer: Patrick Fleming | | Date: 12.31.10 |
|---|--|----------------|

C. DISCONNECT SWITCHES:

1. INSTALL DISCONNECT SWITCHES LEVEL AND PLUMB. CONNECT TO WIRING SYSTEM AND GROUNDING SYSTEM AS INDICATED.

D. GROUNDING:

1. ALL METALLIC PARTS OF ELECTRICAL EQUIPMENT WHICH DO NOT CARRY CURRENT SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING MANUFACTURER, AT&T GROUNDING AND BONDING STANDARDS TP-76416, ND-00135, AND THE CALIFORNIA ELECTRICAL CODE (2013 CEC EDITION).
2. PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEM INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING GROUNDING ELECTRODES, BONDING JUMPERS AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL GROUNDING CONDUCTORS SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED. GROUNDING CONDUCTORS SHALL NOT BE LOOPED OR SHARPLY BENT. ROUTE GROUNDING CONNECTIONS AND CONDUCTORS TO GROUND IN THE SHORTEST AND STRAIGHTEST PATHS POSSIBLE TO MINIMIZE TRANSIENT VOLTAGE RISES.
4. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE SUBCONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 AWG COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). SEE STANDARD 6.3.2.2.
5. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR CONNECTORS AND BOLTS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT AVAILABLE, TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUE VALUES SPECIFIED IN UI. TO ASSURE PERMANENT AND EFFECTIVE GROUNDING.
6. SUBCONTRACTOR SHALL VERIFY THE LOCATIONS OF GROUNDING TIE-IN-POINTS TO THE EXISTING GROUNDING SYSTEM. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
7. ALL GROUNDING CONNECTIONS SHALL BE INSPECTED FOR TIGHTNESS. EXOTHERMIC WELDED CONNECTIONS SHALL BE APPROVED BY THE INSPECTOR HAVING JURISDICTION BEFORE BEING PERMANENTLY CONCEALED.
8. APPLY CORROSION-RESISTANCE FINISH TO FIELD CONNECTIONS AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATINGS HAVE BEEN DESTROYED. USE KOPR-SHIELD ANTI-OXIDATION COMPOUND ON ALL COMPRESSION GROUNDING CONNECTIONS.
9. A SEPARATE, CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.
10. BOND ALL INSULATED GROUNDING BUSHINGS WITH A BARE 6 AWG GROUNDING CONDUCTOR TO A GROUND BUS.
11. DIRECT BURIED GROUNDING CONDUCTORS SHALL BE INSTALLED AT A NOMINAL DEPTH OF 36" MINIMUM BELOW GRADE, OR 6" BELOW THE FROST LINE, USE THE GREATER OF THE TWO DISTANCES.
12. ALL GROUNDING CONDUCTORS EMBEDDED IN OR PENETRATING CONCRETE SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
13. THE INSTALLATION OF CHEMICAL ELECTROLYTIC GROUNDING SYSTEM IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE SEALING TAPE FROM LEACHING AND BREATHER HOLES. INSTALL PROTECTIVE BOX FLUSH WITH GRADE.
14. DRIVE GROUND RODS UNTIL TOPS ARE A MINIMUM DISTANCE OF 36" DEPTH OR 6" BELOW FROST LINE USING THE GREATER OF THE TWO DISTANCES.
15. IF COAX ON THE ICE BRIDGE IS MORE THAN 6 FT. FROM THE GROUNDING BAR AT THE BASE OF THE TOWER, A SECOND GROUNDING BAR WILL BE NEEDED AT THE END OF THE ICE BRIDGE, TO GROUND THE COAX CABLE GROUNDING KITS AND IN-LINE ARRESTORS
16. SUBCONTRACTOR SHALL REPAIR, AND/OR REPLACE, EXISTING GROUNDING SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION AT THE SUBCONTRACTORS EXPENSE.

3.5 ACCEPTANCE TESTING.

- 
- at&t**
- AT&T MOBILITY**
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

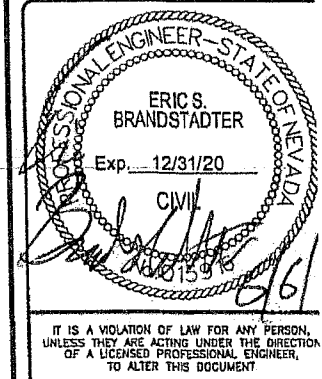
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084,1514

DRAWN BY: ANI

CHECKED BY: GAL

D	06/04/19	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-2

GENERAL ELECTRICAL NOTES

1. DESIGN, FABRICATION, ERECTION, ALTERATION, MAINTENANCE SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE (UNO).
 - A. TA-222: STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS
 - B. TA-1019-A: INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS
 - C. ASC: MANUAL OF STEEL CONSTRUCTION
2. ALL STRUCTURAL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, UNO.
 - A. STRUCTURAL STEEL, ASTM A572 GRADE 65 (FY = 65 KSI).
 - B. ALL BOLTS, ASTM A325 TYPE 1 GALVANIZED HIGH STRENGTH BOLTS.
 - C. ALL NUTS, ASTM A563 CARBON AND ALLOY STEEL NUTS.
 - D. ALL WASHERS, ASTM F436 HARDENED STEEL WASHERS.
3. ALL HOLES SHALL BE CUT WITH A GRINDER OR DRILLED. HOLES SHALL NOT BE FLAME CUT THRU STEEL UNLESS APPROVED BY THE ENGINEER OF RECORD.
4. ALL FASTENERS SHALL NOT BE REUSED.
5. A NUT LOCKING DEVICE SHALL BE INSTALLED ON ALL PROPOSED AND/OR REPLACED ASTM A325 BOLTS.
6. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
7. HOT-DIP GALVANIZE ALL ITEMS, UNO.
GALVANIZE PER ASTM A123, ASTM A153/A153M OR ASTM A653 G90, AS APPLICABLE.
8. AFTER FINAL INSPECTION, ALL EXPOSED STRUCTURAL STEEL AS THE RESULT OF THIS SCOPE OF WORK INCLUDING WELDS, FIELD DRILLED HOLES, AND SHAFT INTERIORS (WHERE ACCESSIBLE), SHALL BE CLEANED AND COLD GALVANIZING APPLIED BY BRUSH. PHOTO DOCUMENTATION IS REQUIRED TO BE SUBMITTED TO THE INSPECTOR.

1. ALL WELDING SHALL BE IN ACCORDANCE WITH THE AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE-STEEL".
2. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
3. ALL ARC WELDING ON STRUCTURES SHALL BE DONE IN ACCORDANCE WITH AWS D1.1 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELDING INSPECTOR (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE-DURING-POST, USING THE ACCEPTANCE CRITERIA OF AWS D1.1. THE CWI SHALL WORK WITH THE GC ON THE LEVEL OF INTERACTION NEEDED TO CONDUCT THE WELDING INSPECTION. THE CERTIFIED WELDING INSPECTION IS THE RESPONSIBILITY OF THE GC.
4. FOR ALL WELDING, USE E60XX ELECTRODES FOR SMAW PROCESS AND E80T-XX ELECTRODES FOR FCAW PROCESS, UNO.
5. SURFACES TO BE WELDED SHALL BE FREE FROM SCALE, SLAG, RUST, MOISTURE, GREASE OR ANY OTHER FOREIGN MATERIAL THAT WOULD PREVENT PROPER WELDING. GRIND THE SURFACE ADJACENT TO THE WELD FOR A DISTANCE OF 2" MINIMUM ALL AROUND. ENSURE BOTH AREAS ARE 100% FREE OF ALL GALVANIZING.
6. REPAIR THE GALVANIZED COATING. ALL AREAS AFFECTED BY THE FIELD DRILLING, FIELD GRINDING AND FIELD WELDING, BOTH INSIDE AND OUTSIDE THE MONOPOLE, SHALL BE REPAIRED. PRODUCTS TO BE APPLIED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. AREAS THAT HAVE BEEN TOUCHED UP SHOULD BE INSPECTED AS PART OF THE ROUTINE MAINTENANCE OF THE STRUCTURE. NO SPRAY PAINT IS ALLOWED. AFTER ZINC-RICH PAINT IS DRY, OVERCOAT WITH OWNER'S PAINT SPECIFICATIONS, APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
7. DO NOT WELD IF THE TEMPERATURE OF THE STEEL IN THE VICINITY OF THE WELD AREA IS BELOW 0° F. WHEN THE TEMPERATURE IS BETWEEN 0° AND 32° F. PREHEAT AND MAINTAIN THE STEEL IN THE VICINITY OF THE WELD AREA AT 70° F DURING THE WELDING PROCESS
8. DO NOT WELD ON WET OR FROST-COVERED SURFACES & PROVIDE ADEQUATE PROTECTION FROM HIGH WINDS.
9. MOVE ALL COAX AND OTHER FLAMMABLE MATERIALS FROM ANY AREA THAT MAY BE HEATED DURING CONSTRUCTION.
10. CONTRACTOR SHALL MAKE PROPER PRECAUTIONS AND PROCEDURES TO PROTECT THE STRUCTURE FROM CATCHING FIRE DURING ALL WELDING OPERATIONS. THE FOLLOWING FIRE SAFETY PREVENTION PROTOCOL IS THE MINIMUM REQUIREMENTS DURING WELDING OPERATIONS.
 - 500 GALLON WATER TANK WITH PUMP TO BE ON SITE AT ALL TIMES
 - 2 FIRE EXTINGUISHERS ON SITE AT ALL TIMES.
 - 2 MAN FIRE WATCH ON ANY ADJACENT STRUCTURES, FIELDS AND POLE.
 - INTERMITTENT COOLING OF WELDED SURFACE TO REDUCE HEAT IN STRUCTURE.

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 PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. 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 PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS 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 STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
4. ACCUMULATED SEDIMENT IN BMPS SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER 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.
5. BMP'S TO BE IMPLEMENTED INCLUDE BUT ARE NOT LIMITED TO:
 - A. MINIMIZE DISTURBED AREA AND PROTECT NATURAL FEATURES AND SOIL
 - B. CONTROLLING STORMWATER FLOWING ONTO AND THROUGH THE PROJECT VIA THE USE OF SEDIMENT BERMS AND STRAW WADDLES AS APPROPRIATE
 - C. STABILIZING SOILS THROUGH SITE RESTORATION AT COMPLETION OF PROJECT
 - D. PROTECTING STORM DRAIN INLETS VIA THE USE OF SAND BAGS, STRAW WADDLES AND FILTER FABRIC AS APPROPRIATE
6. BMP'S MUST BE IN PLACE WHEN SOILS ARE EXPOSED (NO WAITING PERIODS)

1. STRUCTURAL DESIGN ACCEPTANCE IS VALID ONLY FOR POLE FOUNDATIONS INSTALLED ON LEVELED SURFACES. ANY FOUNDATION INSTALLED WITHIN (5FT) FROM A SLOPE WILL REQUIRE SLOPE STABILITY ANALYSIS AND CALCULATIONS WITH A SEPARATE STRUCTURAL REVIEW AND FEE. GEOTECHNICAL WILL BE NEEDED FOR THE REVIEW.
2. SIDEWALKS MUST BE UNOBSTRUCTED AND HAVE AN ACCESS OF AT LEAST 3.0-FT FROM BACK OF CURB.

PERFORM THIRD PARTY SPECIAL INSPECTION FOR (STREET LIGHT FOUNDATION...). SPECIAL INSPECTION IS REQUIRED.

1. INSPECTIONS SHALL BE PERFORMED BY AN ICC CERTIFIED INSPECTOR APPROVED BY CLARK COUNTY; EMPLOYED BY THE OWNER/DEVELOPER.
2. PROVIDE SPECIAL INSPECTIONS IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE FOR THE ITEMS LISTED BELOW.
 - A. MASONRY-- PERIODIC
 - B. REINFORCING STEEL PLACEMENT-- PERIODIC
 - C. GROUT--CONTINUOUS
 - D. CONCRETE PLACEMENT--CONTINUOUS
 - E. CONCRETE STRENGTH-- CONTINUOUS
 - F. EPOXY FASTENED DOWELS AND ANCHORS--PERIODIC
 - G. REINFORCING STEEL PLACEMENT-- PERIODIC
3. THE INSPECTOR SHALL SUBMIT A STATEMENT TO THE OWNER/DEVELOPER, AND STRUCTURAL ENGINEER INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
4. SPECIAL INSPECTION OF THE FILL AROUND THE ((STREET LIGHT FOUNDATION...)) SHALL BE PROVIDED AT A FREQUENCY AS NECESSARY TO ENSURE THAT PROPER FILL AND COMPACTION IS ACHIEVED. COMPACTION TEST FOR EACH LIFT SHALL BE TAKEN PER CCAUSD 203.05.02. THE SPECIAL INSPECTOR SHALL SUBMIT A COMPLIANCE REPORT TO THE OWNER/DEVELOPER

AS-BUILT REDLINE	
THE MAKE-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION	
Subcontractor	Date
Wecorn Inc.	12.31.19
Plot Created by	Date
Marked Supplied And Double Redline Drawings In Red Changes Noted After The Original Design Team Analysis And Field Markings	
Marked And Entered	Date
Patrick A. Flannery	12.31.19



AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



BLACK & VEATCH

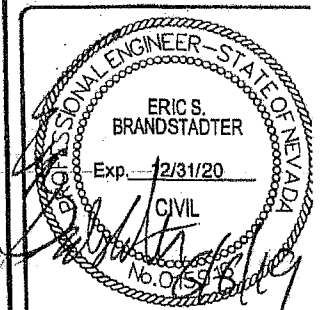
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.151

DRAWN BY: ANI

CHECKED BY: GAI

0	05/04/19	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON,
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

NVL08227F_R01
INTERSECTION OF
PASEO MIST AND DESERT FOOTHILLS
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

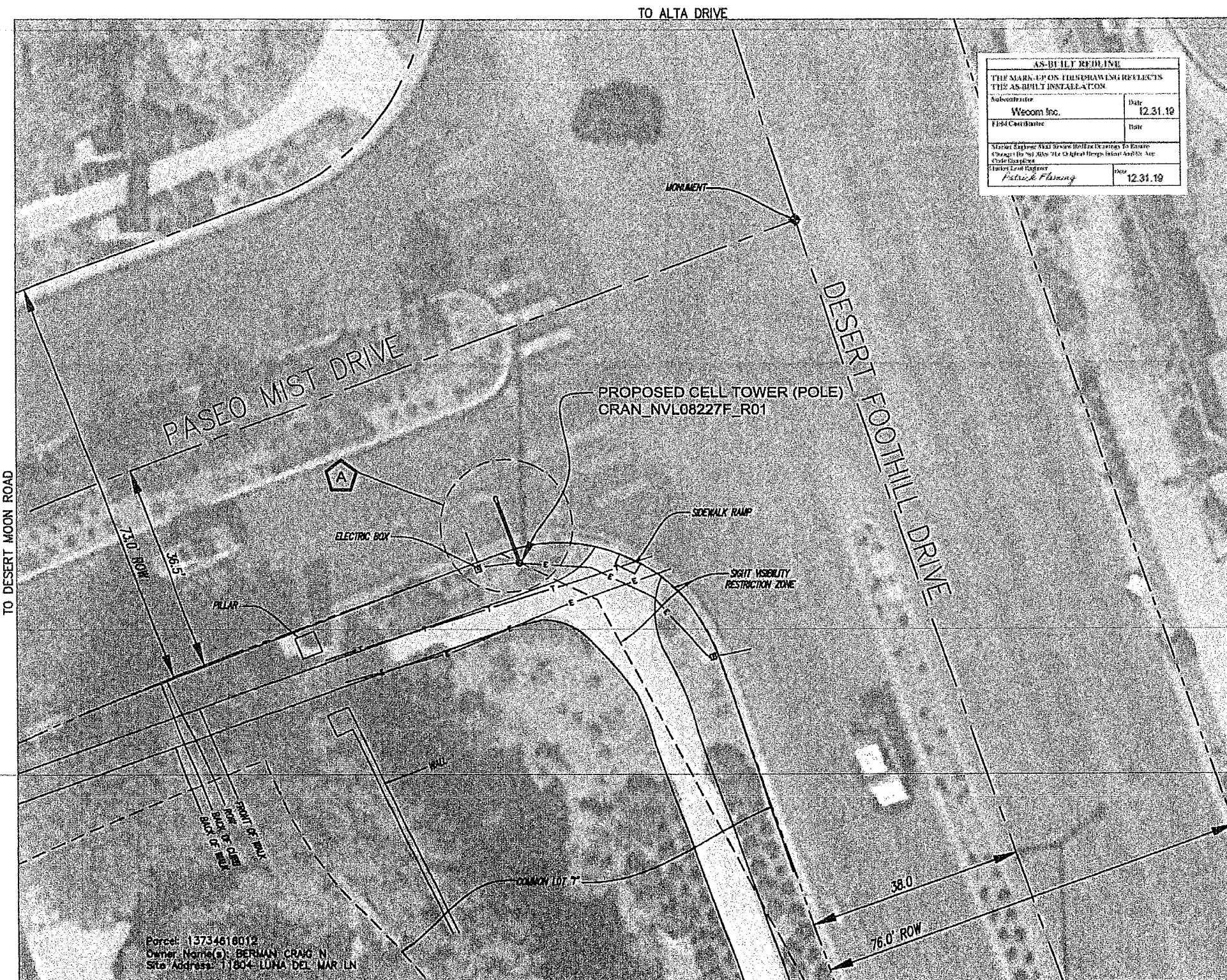
GN-3

SMALL CELL SITE SURVEY
 SITE: CRAN_NVL08227F_R01
 SE¼NE¼ OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST

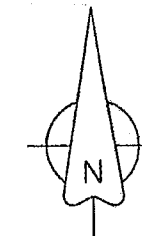
SITE #/PACE_NAME: CRAN_NVL08227F_R01_LTE_1C_1900
 FA LOCATION CODE: 14825505
 USID: 209936



12800 PARK PLAZA DRIVE,
 CERRITOS, CA 90703



AS-BUILT REFERENCE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Contributor	Date
Marked by: [Signature] and [Signature] to ensure accuracy of the data. The original design is the property of the client.	
Checked by: [Signature]	Date
Patrick Fleming	12.31.19



GRAPHIC SCALE

20 0 10 20



FEET

A LATITUDE: 36°10'03.66"N
 LONGITUDE: 115°21'15.52"W
 GROUND ELEVATION: 3259.91'
 NAVD '88

Legend

- MONUMENT
- POLE
- DOWN GUY
- GAS VALVE
- PEDASTAL
- LAMP POST
- WATER VALVE
- FIRE HYDRANT
- WATER MANHOLE
- WATER METER
- SEWER MANHOLE
- UNKNOWN OR LABELED MANHOLE
- SANITARY SEWER MANHOLE
- STORM WATER MANHOLE
- ELECTRIC MANHOLE
- TELECOM MANHOLE
- TREE

- FENCELINE
- ROW LINE
- CENTER LINE
- SEWER
- TELEPHONE
- WATER
- ELECTRIC
- GAS LINE
- OVERHEAD ELEC
- FENCE BARS
- PROPERTY LINE

ENGINEERS:



BLACK & VEATCH

6 SUNSET WAY
 SUITE B108
 HENDERSON, NV 89014

SITE NO: CRAN_NVL08227F_R01

DRAWN BY: KJ

CHECKED BY: CI

REV	DATE	DESCRIPTION
A	5/7/19	PRELIMINARY SUBMITTAL

SURVEYOR:



CIS JOB NO:
 CIS 315-1-31-150

SHEET TITLE
**SMALL CELL
 SITE SURVEY**

SHEET NUMBER
 1 OF 1



SMALL CELL SITE SURVEY

Department of Public Works - TEFO

- THIS FORM IDENTIFIES THE POTENTIAL POWER SUPPLY SOURCE FOR A PROPOSED SMALL CELL SITE.
- THIS ONLY REPRESENTS THE CONDITIONS AT TIME OF SITE SURVEY.
- FIELD CONDITIONS MAY CHANGE FROM THE TIME OF THE SITE SURVEY UNTIL THE START OF CONSTRUCTION.
- A REQUEST FOR A SMALL CELL SITE SURVEY BY A CONTRACTOR OR WIRELESS SERVICE PROVIDER DOES NOT CONSTITUTE A REQUEST FOR AUTHORIZATION TO PLACE, CONSTRUCT OR MODIFY PERSONAL WIRELESS SERVICE FACILITIES FOR PURPOSES OF ANY FEDERAL, STATE OR LOCAL RULE, LAW OR ORDER. THE ACTIONS BY THE CITY AND THE CONTRACTOR IN SURVEYING THE SITE INDICATED BELOW IS NECESSARY TO PROVIDE THE INFORMATION NECESSARY TO A WIRELESS SERVICE PROVIDER TO PREPARE ITS APPLICATION(S) FOR AUTHORIZATION TO PLACE, CONSTRUCT OR MODIFY PERSONAL WIRELESS SERVICE FACILITIES.

Contractor's Name: Black & Veatch Wireless Use Agreement: New Cingular Wireless
Wireless Service Provider/ID#: New Cingular Wireless ID # 203464 NVL08227F_R01 Contact Name: Jason Frayer
Office Phone/Fax: 8985 South Eastern Avenue, Suite 325 LV, NV 89123 / 702-434-3378 Cell: 702-460-8926
Pole Location & ID: 11804 Paseo Mist ID# 203464

Pole Type: ☐ New Pole ☒ Existing Pole

Notes:

AT&T Small Cell location.
Suitable for use to serve small cell site without upgrade.

EXISTING SERVICE INFORMATION

Service Location: 788 DESERT FOOTHILLS DR
Existing Meter #: CC029993333 Premise #: 402732
Existing Service Size: ☐ 60 Amp ☐ 100 Amp ☐ 125 Amp ☒ 200 Amp
Street Light Circuit: _____
Service Type: ☒ Pedestal ☐ Pole Mount ☐ Wall Mount
Current Application: ☐ Traffic Signal ☐ Street Lighting ☒ Both
Existing Load (Amps): Traffic Signal: 2 Street Lighting: 97 Combined: 99
Field-Tested-By: B. Comeau Date: 3/26/19

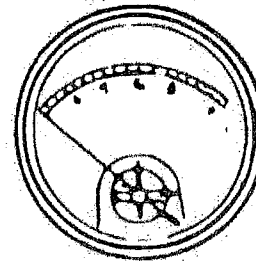
CLV REPRESENTATIVE FOR INTERNAL USE ONLY

CLV Field Reviewer's Name: B. Bradway & M. Algieri Field Review Date: 3/20/19
Senior/Supervisor Review Signature: [Signature] Date Reviewed: 4/9/19

AS-BUILT REFERENCE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecom Inc.	12.31.18
Field Coordinator	Date
Marked Engineer/Field Service Engineer/Inspector/Checker/Checker By/Check Date/Original Design/Check Date/Check Date	
Checked/Field Engineer	Date
Patrick B. Flanagan	12.31.18

(NOTE RESPECTIVE AMPACITY AND BREAKER SIZE FOR ALL
SLOTS PRESENTLY IN USE)

AS-BUILT REFERENCE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION	
Submitted by	Date
Wecorn Inc.	12.31.19
Field Coordinator	Date
Market Regions (Add/Remove/Reassign) to Create Changes by 9/1/19: The Original Design Intent: Aspire 3+ Cate Distribution	
Market Area Engineer	Date
<i>Patrick Fleming</i>	12.31.19

[illegible]