

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.

L19-01121 107V7932 F1B

APPROVAL:  DATE: 8 29 19

CONTACT INFORMATION

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

CONTACT: JASON FRAYER
(702) 450-8926

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 COMBIN
- INSTALL (1) RF DISCONNECT
- INSTALL (1) HANDHOLE
- INSTALL (1) PULL BOX

By others:
COX

PROJECT INFORMATION

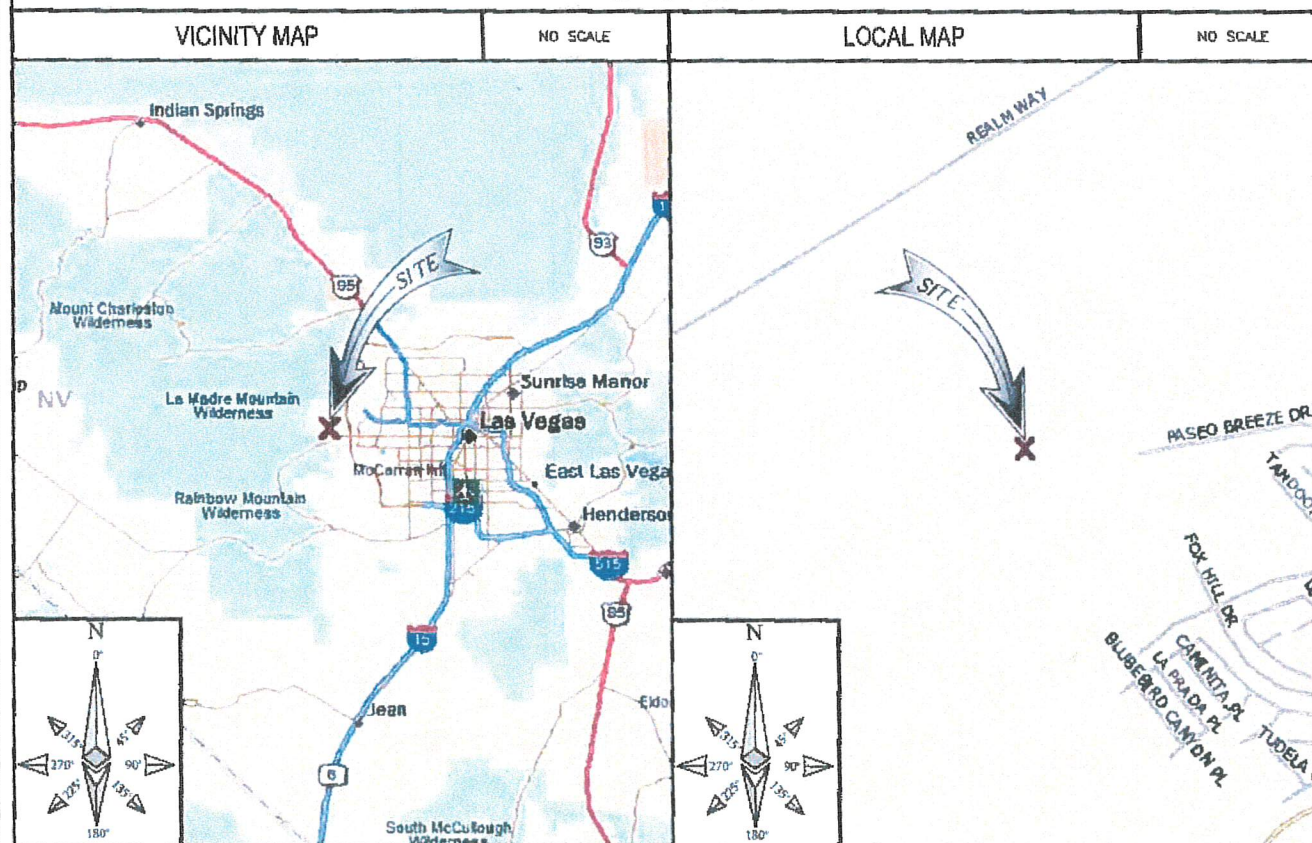
PROPERTY OWNER: CITY OF LAS VEGAS
SITE CONTACT: NA
FA NUMBER: 14825562
USID: 209941
PACE ID: MRSDL024534
COUNTY: CLARK
LATITUDE (NAD 83): 36.167231'
LONGITUDE (NAD 83): -115.368102'
GROUND ELEVATION: 3408.32' A.M.S.L.
ANTENNA TIP HEIGHT: 32'-10" AGL
ZONING JURISDICTION: CITY OF LAS VEGAS
ZONING DISTRICT: CITY OF LAS VEGAS
PARCEL #: 13734219005
OCCUPANCY GROUP: U
CONSTRUCTION TYPE: I-B
POWER COMPANY: NV ENERGY
RF ENGINEER: BRIAN CRISS
(702) 768-0163
LEASING AGENT: JASON FRAYER
(702) 450-8926
ZONING AGENT: JASON FRAYER
(702) 450-8926
CONSTRUCTION MANAGER: SUMANTH CHEJARLA
CHEJARLAS@BV.COM



CRAN_NV L08227F_R03

USID #: 209941
PICO SMALL CELLINTERSECTION OF
SKY VISTA & SUNCREEK
LAS VEGAS, NV 89138

LOCATION MAPS



DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE:

FROM 10550 W CHARLESTON, LAS VEGAS, NV GO STRAIGHT ON SR 159, TURN RIGHT ON TO DESERT FOOTHILLS DR, TURN LEFT ONTO PASEO MIST DR, TURN RIGHT ONTO PASEO BREEZE 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 RED-LINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Coordinator	Date
Marked Engineer	Date
Patrick Fleming	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



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



BLACK & VEATCH

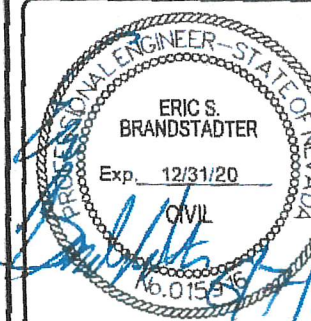
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 125084.1514

DRAWN BY: SBD

CHECKED BY: GAC

0 08/04/19 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_R03
INTERSECTION OF
SKY VISTA & SUNCREEK
LAS VEGAS, NV 89138
PICO SMALL CELL

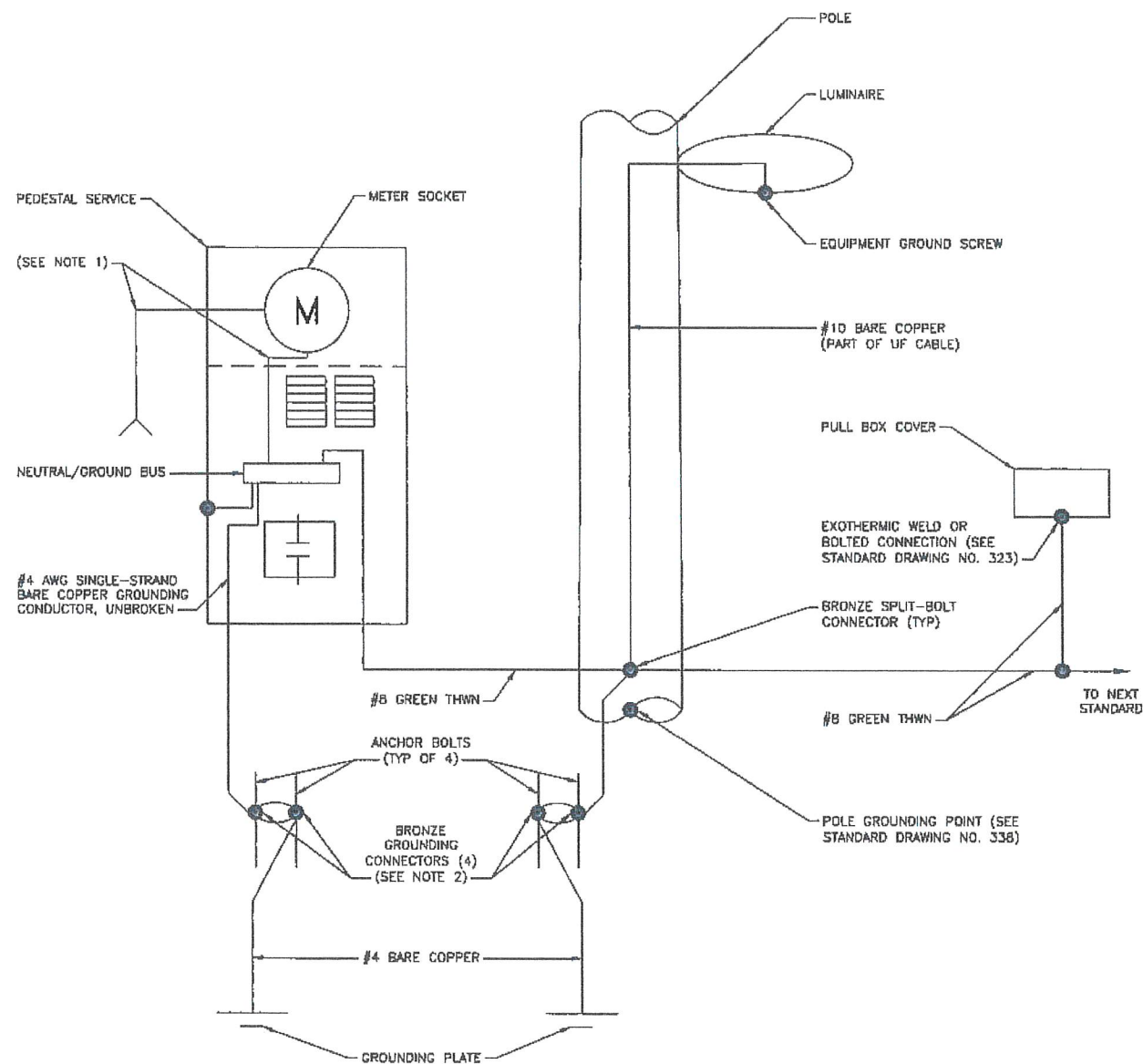
SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

1. FOR CONDUIT SIZE AND WIRING REQUIREMENTS FOR STREETLIGHT SERVICE, SEE STANDARD DRAWING NO. 332.52 FOR LAS VEGAS AND CLARK COUNTY ONLY AND 332.51 FOR ALL OTHER ENTITIES.
2. SEE STANDARD DRAWING NO. 321, 332.51, OR 332.52



METER PEDESTAL GROUNDING DIAGRAM

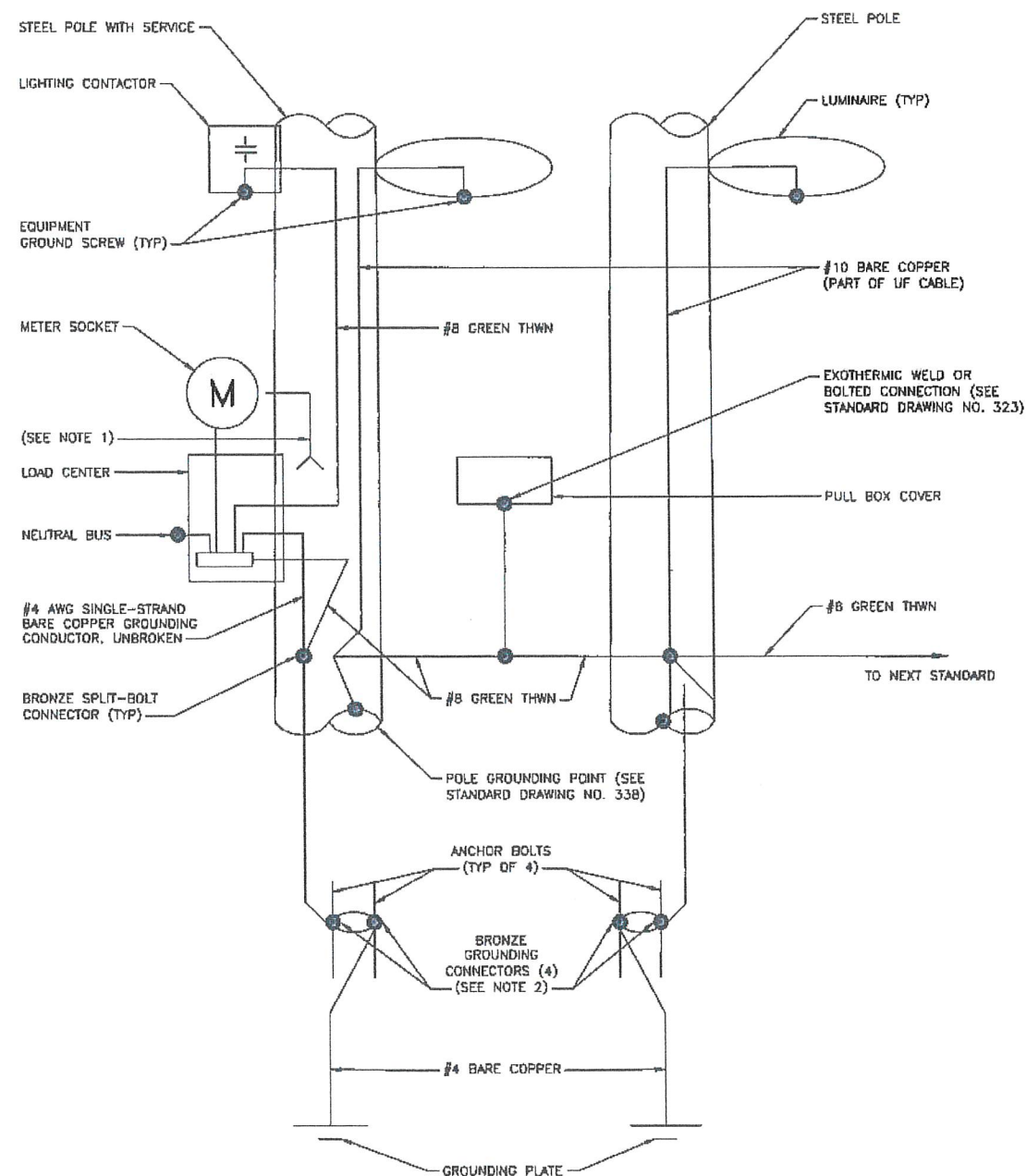
NO SCALE

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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: Shall Review Redline Drawings To Ensure Changes Do Not Affect The Original Design. Issues: N/A Code Compliance:	
Marked Lead Engineer	Date
Patrick Plummer	12.31.19



POLE EQUIPMENT GROUNDING DIAGRAM

NO SCALE

1



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



BLACK & VEATCH

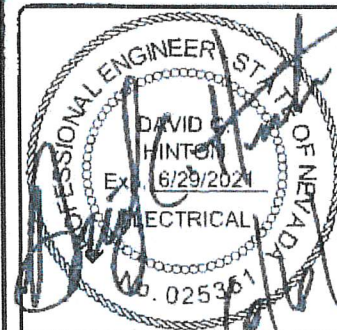
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129004.1514

DRAWN BY: SBD

CHECKED BY: GAC

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



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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT

NVLO8227F_R03
INTERSECTION OF
SKY VISTA & SUNCREEK
LAS VEGAS, NV 89138
PICO SMALL CELL

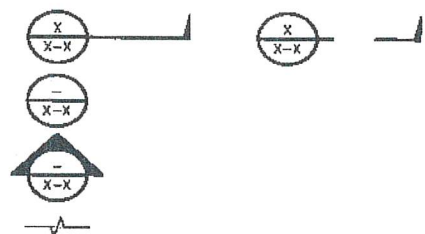
SHEET TITLE

GROUNDING DIAGRAMS

SHEET NUMBER

G-1

- ### GENERAL NOTES



INT	INTERIOR
LB(S)	POUNDS(S)
LF	AS-BUILT REFERENCE
LT	THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION
MC	Subcontractor
ME	Wecom Inc.
MI	Field Coordinator
MI	Date
MI	12.31.19
MI	Marked Engineer: Mark Sorenson
MI	Changes: The 'As-Built' of the Original Design: Issues: As-Built: Are
MI	Crack: Cracks are
MI	Marked Lead Engineer: Patrick Fleming
MI	Date: 12.31.19
MTL	METAL
MTS	MANUAL TRANSFER SWITCH
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
NO.(#)	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OPNG	OPENING
(P)	PROPOSED
P/C	PRECAST CONCRETE
PCS	PERSONAL COMMUNICATION SERVICES
PCU	PRIMARY CONTROL UNIT
PRC	PRIMARY RADIO CABINET
PP	POLARIZING PRESERVING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PWR	POWER CABINET
QTY	QUANTITY
RAD	RADIUS
RECT	RECTIFIER
REF	REFERENCE
REINF	REINFORCEMENT
REQ'D	REQUIRED
RET	REMOTE ELECTRIC TILT
RMC	RIGID METALLIC CONDUIT
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
RWY	RACEWAY
SCH	SCHEDULE
SHT	SHEET
SIAD	SMART INTEGRATED DEVICE
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
TEMP	TEMPORARY
THK	THICKNESS
TMA	TOWER MOUNTED AMPLIFIER
TN	TOE NAIL
TOA	TOP OF ANTENNA
TOC	TOP OF CURB
TOF	TOP OF FOUNDATION
TOP	TOP OF PLATE (PARAPET)
TOS	TOP OF STEEL
TOW	TOP OF WALL
TVSS	TRANSIENT VOLTAGE SUPPRESSION SYSTEM
TVS	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
UPS	UNINTERRUPTIBLE POWER SYSTEM (DC POWER PLANT)
VIF	VERIFIED IN FIELD
W	WIDE
W/	WITH
WD	WOOD
W.P.	WORK POINT
WP	WEATHERPROOF
WT	WEIGHT

GN-1

1. DESIGN, FABRICATION, ERECTION, ALTERATION AND MAINTENANCE SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE (UNO).
 - A. TIA-222: STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS
 - B. TIA-1019-A: INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS
 - C. AISC: 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 STEELING 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 EBOXX ELECTRODES FOR SMAW PROCESS AND EXXT-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° F 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. BMPS 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 BERMES 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. BMPS 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.
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 DEFINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Coordinates	Date
Marked Engineer: Mark Weston Define Drawings To Ensure Changes Are Not Missed On Original Design Intent And Do Any Code Compliance	
Marked Lead Engineer	Date
Nathaniel Fleming	12.31.19



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

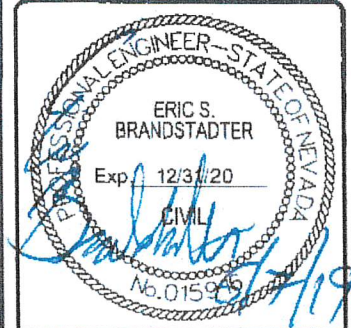


BLACK & VEATCH

BLACK & VEATCH CORPORATION
8955 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

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

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



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OF A LICENSED PROFESSIONAL ENGINEER,
TO ALTER THIS DOCUMENT.

NV08227F_R03
INTERSECTION OF
SKY VISTA & SUNCREEK
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-3

SMALL CELL SITE SURVEY
 SITE: CRAN_NVL08227F_R03
 SW $\frac{1}{4}$ NW $\frac{1}{4}$ OF SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST

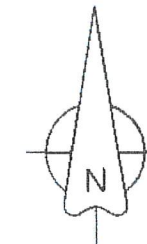
TO ALTA DRIVE

SITE #/PACE_NAME: CRAN_NVL08227F_R03_LTE_1C_1900
 FA LOCATION CODE: 14825562
 USID: 209941



12900 PARK PLAZA DRIVE,
 CERRITOS, CA 90703

AS-BUILT REDEFINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Coordinator	Date
Marked/Checked	Date
Marked/Checked	12.31.19



GRAPHIC SCALE

20 0 10 20

FEET

A LATITUDE: 36°10'02.03"N
 LONGITUDE: 115°22'05.17"W
 GROUND ELEVATION: 3408.32'
 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 MARK
- PROPERTY LINE

ENGINEERS:



BLACK & VEATCH

6 SUNSET WAY
 SUITE 8108
 HENDERSON, NV 89014

SITE NO: CRAN_NVL08227F_R03

DRAWN BY: KJC

CHECKED BY: CIS

REV	DATE	DESCRIPTION
A	9/11/19	PRELIMINARY SUBMITTAL

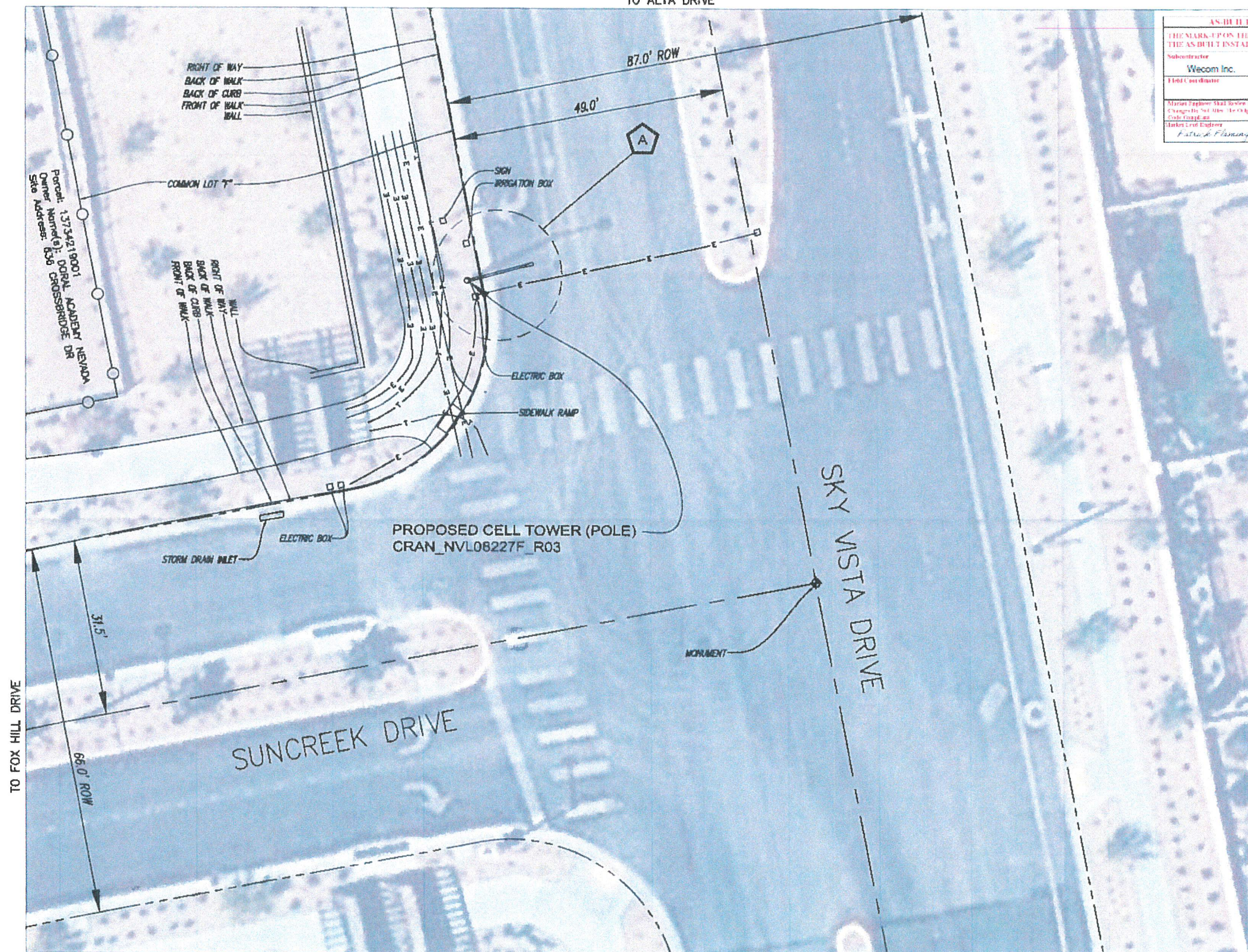
SURVEYOR:



CIS JOB NO.
 CIS 315-1-31-155

SHEET TITLE
**SMALL CELL
 SITE SURVEY**

SHEET NUMBER
 1 OF 1



TO DESERT MOON ROAD



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 #254225 NVL08227F_R03 Contact Name: Jason Frayer
Office Phone/Fax: 8955 South Eastern Avenue, Suite 325 LV NV 89123 / 702-434-3378 Cell: 702-460-8926
Pole Location & ID: Sky Vista Dr & Sun creek Dr # 254225

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: 492 Sky Vista DR
Existing Meter #: BB135059634 Premise #: 450346
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: _____ Street Lighting: 47.5 Combined: 47.5
Field Tested By: B Comeau Date: 3/26/19

CLV REPRESENTATIVE

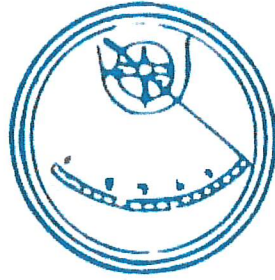
FOR INTERNAL USE ONLY

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 REDLINE	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Coordinator	Date
Marked/Lead Engineer	Date
Patrick Fleming	12.31.19

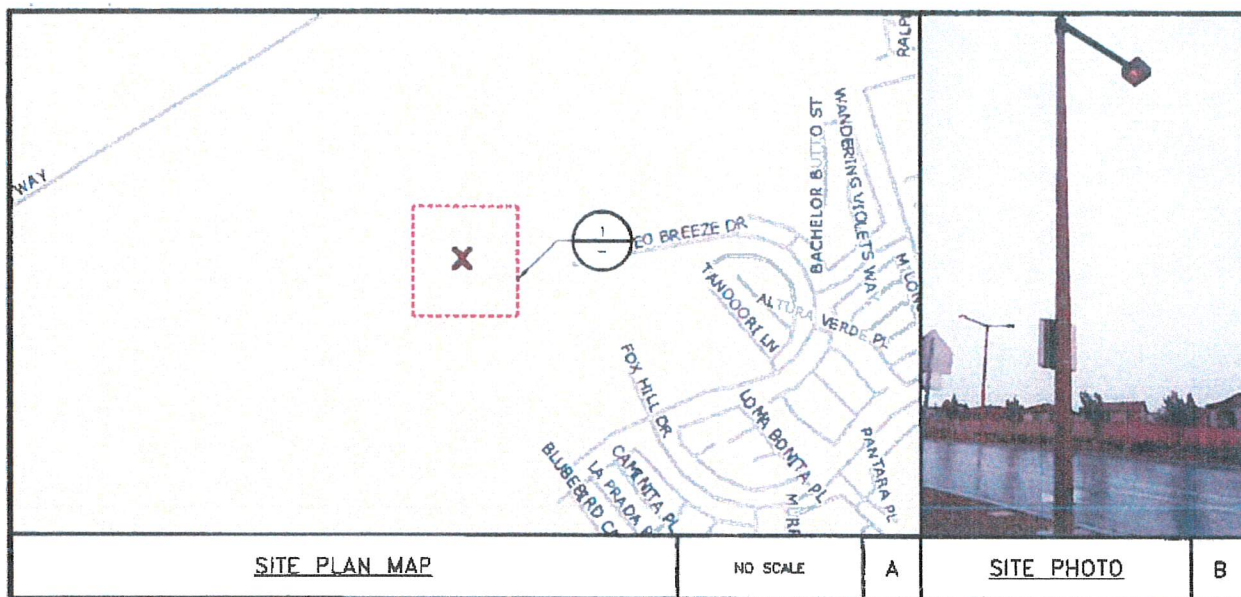
POWER SERVICE DOCUMENTATION
LOAD BAY DOCUMENTATION FOR SPACE UTILIZATION

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



Spare	Spare
Spare	Spare
Spare (5A)	Spare
Spare (5A)	Spare
Spare (5A)	"DBL" (16A)
15 (.5A)	60 "DBL" (16A)
"DBL" (26A)	
200 "DBL" (21.5A)	

AS IN IT RECEIVED	THE ALABAMA POWER CORPORATION THE AS-BUILT INSTALLATION	Wecorn Inc. 1231 19	1231 19
		1231 19	1231 19



Small cell 120V power circuit loops through existing light poles and pull boxes.

Conduit path does not exist

See new location

By others: COX

New location of 3-1/2 Pull box for fiber connection

AS-BUILT REFLECT	
THE MARKS UPON THIS DRAWING REFLECT THE AS-BUILT INSTALLATION	
Subcontractor	Wecom Inc.
Field Coordinator	Date 12.31.19
Material Engineer	Date 12.31.19
Checked Engineer	Patrick Fleming

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

- EXISTING TREE (TYP)
- EXISTING GUTTER (TYP)
- EXISTING CURB (TYP)
- EXISTING MEDIAN (TYP)
- EXISTING CENTERLINE OF ROAD
- EXISTING SAND AREA (TYP)

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

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

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

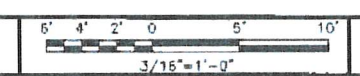
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

NVL08227F_R03
 INTERSECTION OF
 SKY VISTA & SUNCREEK
 LAS VEGAS, NV 89138
 PICO SMALL CELL

SHEET TITLE
 ENLARGED SITE PLAN

SHEET NUMBER
A-1.1

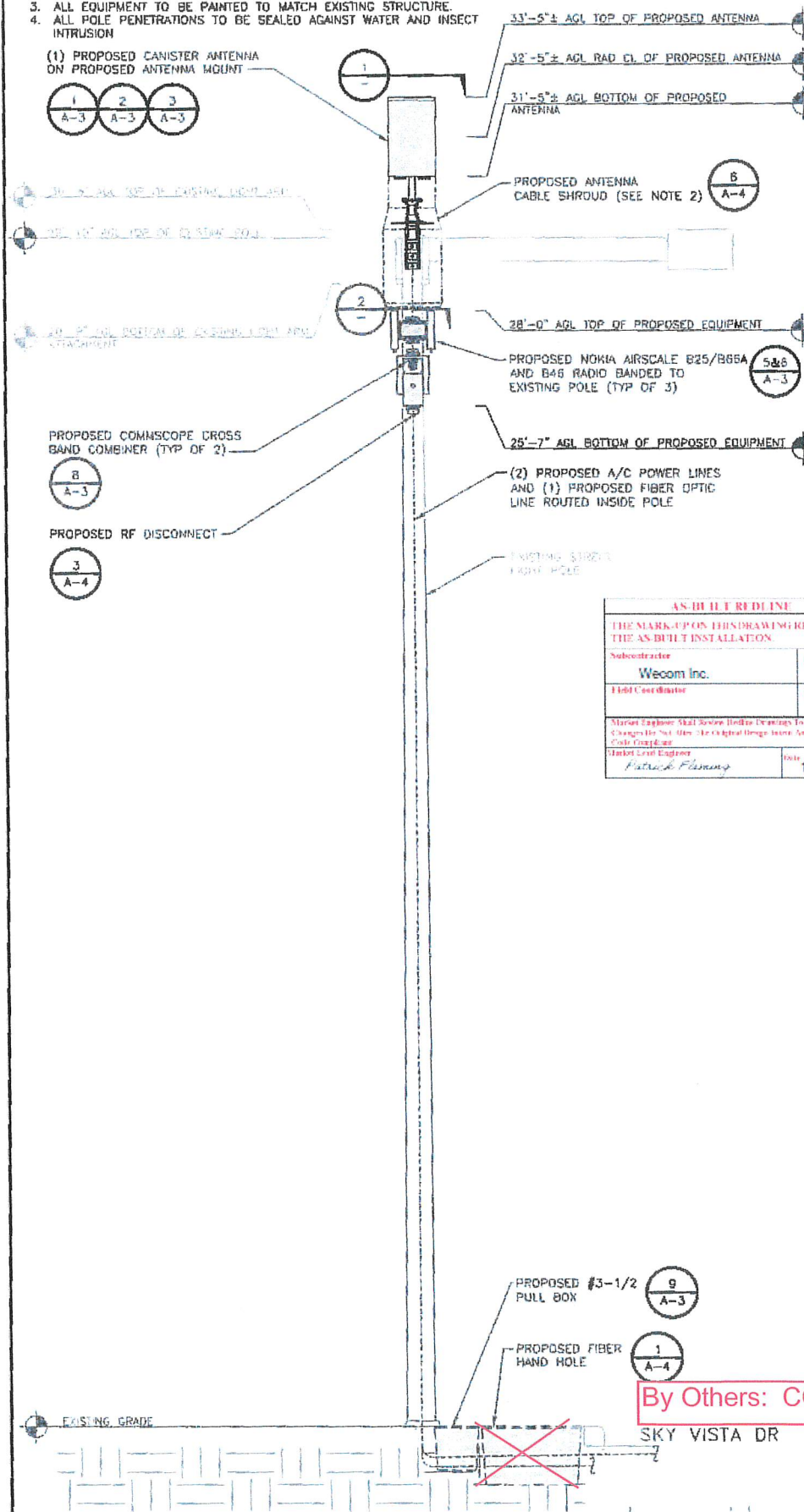
ENLARGED SITE PLAN



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.

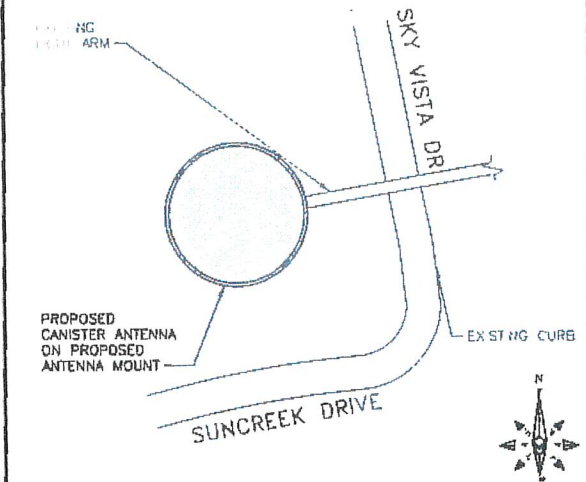
1. REFER TO THE RFDS FOR THIS NODE FOR THE AZIMUTH INFORMATION.
2. CABLE SHROUD NOT ENTIRELY SHOWN FOR CLARITY.
3. ALL EQUIPMENT TO BE PAINTED TO MATCH EXISTING STRUCTURE.
4. ALL POLE PENETRATIONS TO BE SEALED AGAINST WATER AND INSECT INTRUSION

- ON PROPOSED ANTENNA MOUNT —



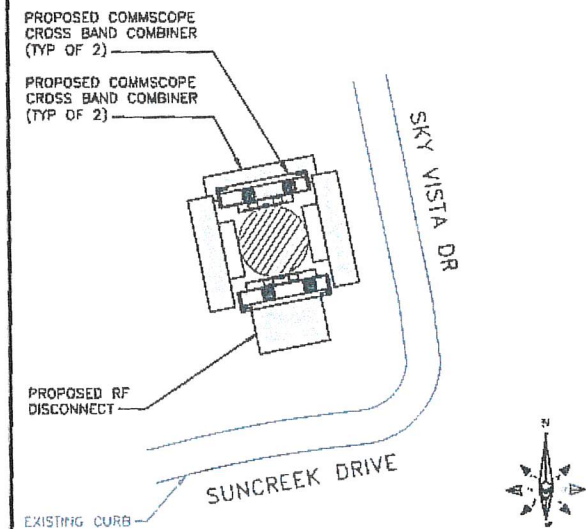
12' 6' 0' 1' 2' 3' 4'

1:2500



NO SCALE

1



ND SCALE

1

[illegible]

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

SHEET TITLE
LE ELEVATIONS
AND RISER DETAILS

SHEET NUMBER

A-2

NO SCALE

12

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
- SHOCK RESISTANT COVER
- STAINLESS STEEL BOLTS
- CAST-IN FLOATING NUT BOX
- INTEGRAL DRAIN HOLES

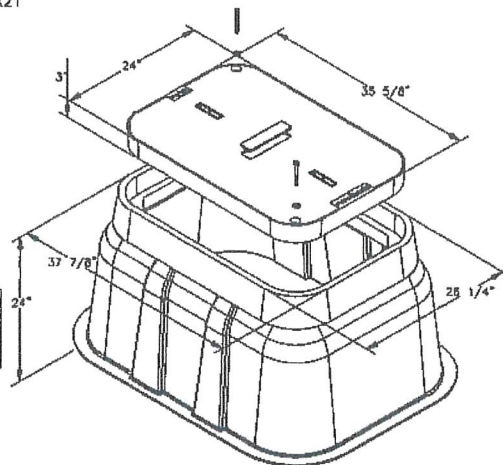
LOAD RATINGS:

INCIDENTAL TRAFFIC - PARKING LOT, SIDEWALK

CONFORMS TO:

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

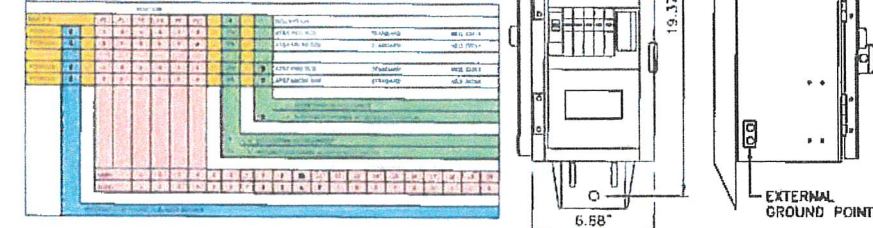
INSIDE DIMENSIONS		
Length	Width	Depth
33 1/8"	21 1/2"	21"
43 7/8"	32 3/8"	21"



AS-BUILT RECORD	
THE MARKS FOR THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Coordinator	Date
Markus Engstrom	12.31.19
Field Engineer	Date
Markus Engstrom	12.31.19

PACTECHSOL 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-AL
 POWER OUTPUT WIRE SIZE: #14-#4 awg CU-AL
 NEUTRAL & GROUND CONTACTS: #14-#4 AWG CU-AL
 TOTAL WEIGHT: 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

HAND HOLE SPECIFICATIONS

NO SCALE

1

NOT USED

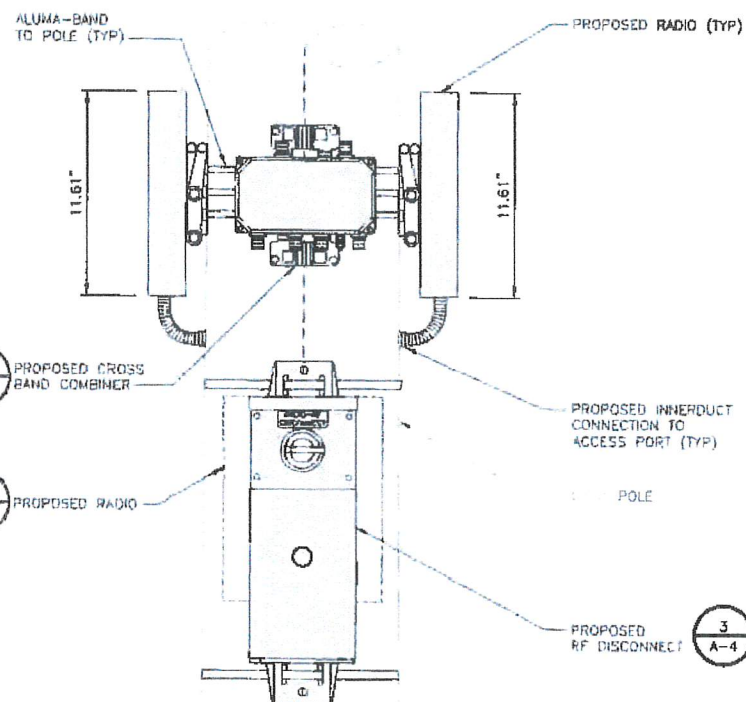
NO SCALE

2

LOAD CENTER DETAIL

NO SCALE

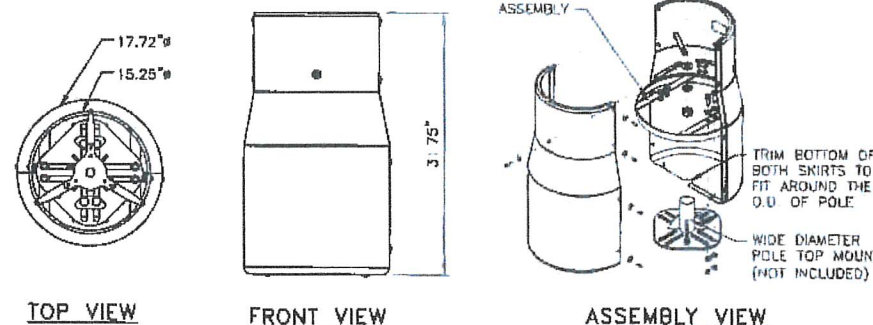
3



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.



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

SINGLE BOLT ADAPTER PLATE (SOLD WITH SLEEVE)

UNIVERSAL SLEEVE MOUNT (NOT INCLUDED)

SUPPORT ASSEMBLY

TRIM BOTTOM OF BOTH SKIRTS TO FIT AROUND THE O.D. OF POLE

WIDE DIAMETER POLE TOP MOUNT (NOT INCLUDED)

NOT USED

NO SCALE

5

WIDE DIAMETER CABLE SHROUD

NO SCALE

6

EQUIPMENT PLACEMENT DETAIL

NO SCALE

4

NOT USED

NO SCALE

7

NOT USED

NO SCALE

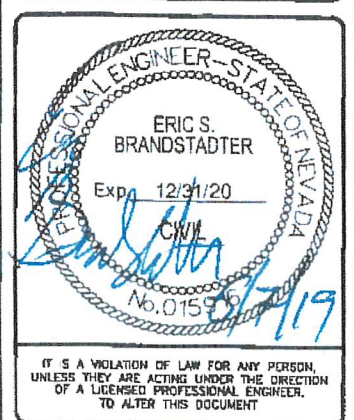
8

PROJECT NO: 129084.1514

DRAWN BY: SBD

CHECKED BY: DAC

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



NVL08227F_R03
 INTERSECTION OF
 SKY VISTA & SUNCREEK
 LAS VEGAS, NV 89138
 PICO SMALL CELL

SHEET TITLE
 EQUIPMENT DETAILS

SHEET NUMBER

A-4



NOTICE

RF energy emitted by this device may exceed the FCC's general public exposure limits. Stay at least 1 foot away from the device. Call 800-838-2822 for help if you need access within 1 foot.

RF NOTICE DECAL

AT&T operates antennas at this structure.

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

This is AT&T Site USID _____

CAUTION

AT&T operates antennas at this structure.

Above this point you are entering an area 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 _____

EME PLACARD/DECAL

NOTE: SPECIFIC EME PLACARD WILL BE PLACED AFTER EME REPORT.

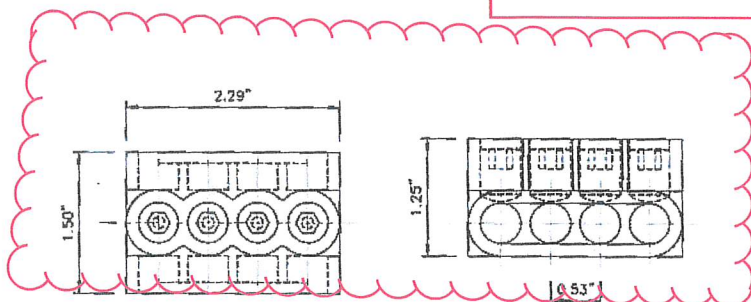
RF SIGNAGE DETAIL

NO SCALE

1

MULTI-TAP CONNECTOR WITH CLEAR INSULATION, DOUBLE-SIDED (PCSB4-4-6Y)

Not used



CONNECTOR DETAIL

NO SCALE

2

BUSSMANN - HEB SERIES

BREAKAWAY MODEL#: HEB-AW-RLC-A (5.8" LONG)

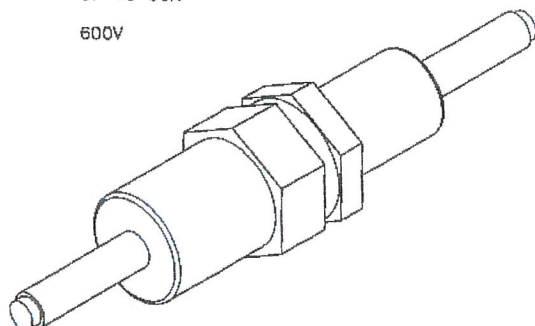
NON-BREAKAWAY MODEL#: HEB-AA (4.4" LONG)

WIRE RANGE: #8-16; (2) #12-16

RECOMMENDED FUSES: BAF, FNM, FNQ, KLM AND KTK

AMPS: UP TO 30A

VOLTS: 600V



PROPOSED BREAKAWAY AND NON-BREAKAWAY IN-LINE FUSE HOLDER

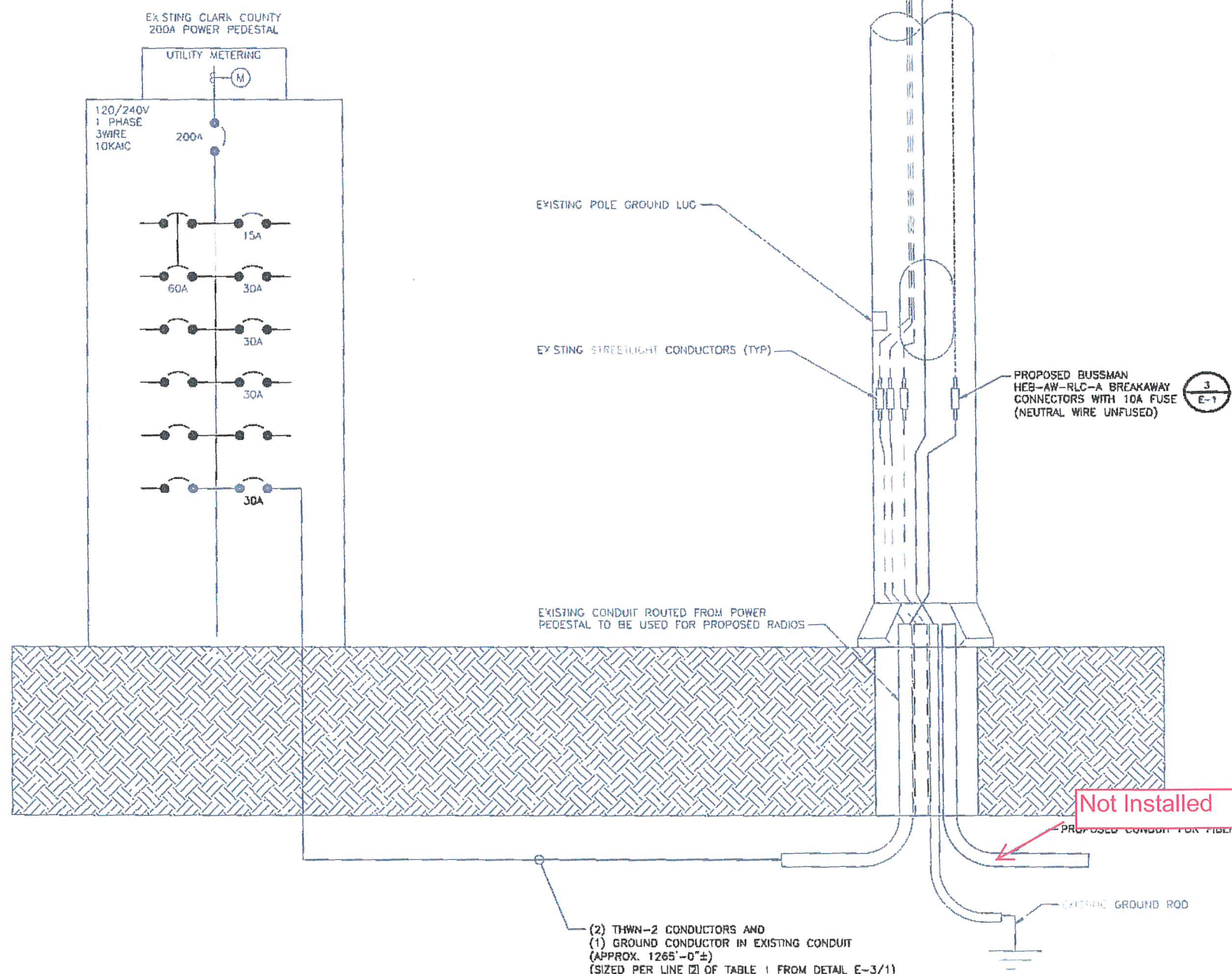
NO SCALE

3

NOTES

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 REVISION	
THE MARK-UP ON THIS DRAWING REFLECTS THE AS-BUILT INSTALLATION.	
Subcontractor	Date
Wecom Inc.	12.31.19
Field Coordinator	Date
Market Engineer: And Service Review Drawings To Ensure Changes Do Not Alter The Original Design Intent And Or Code Compliance.	
Market Lead Engineer	Date
Patrick Fleming	12.31.19



TYPICAL POLE SITE TEMPLATE

NO SCALE

4



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



BLACK & VEATCH

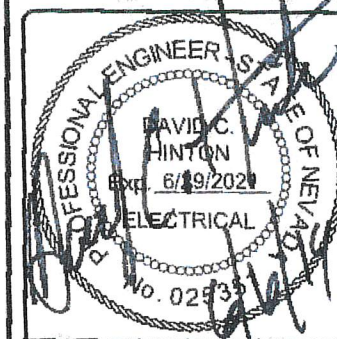
BLACK & VEATCH CORPORATION
8965 S. EASTERN AVE.
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.1514

DRAWN BY: SBD

CHECKED BY: GAC

REV	DATE	DESCRIPTION
0	06/04/19	ISSUED FOR CONSTRUCTION
3		
E-1		



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.

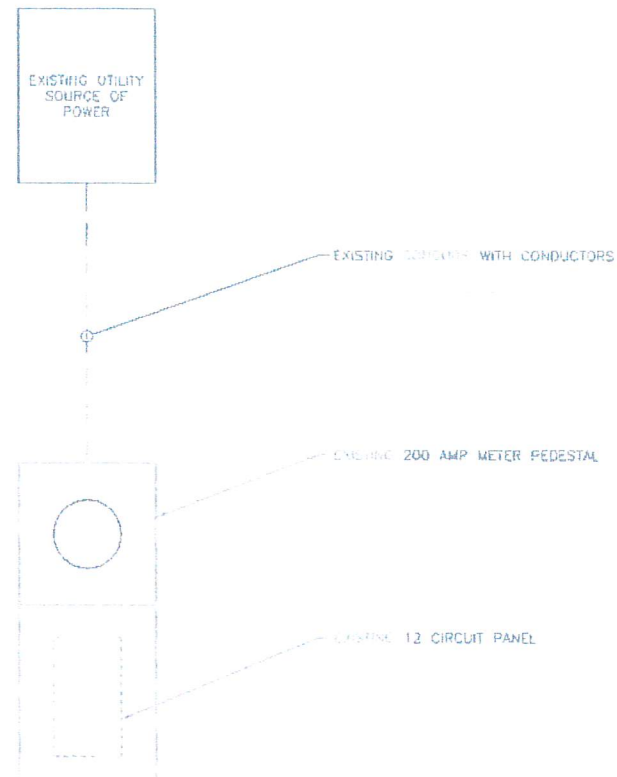
NVLO8227F_R03
INTERSECTION OF
SKY VISTA & SUNCREEK
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
ELECTRICAL DETAILS
AND DIAGRAMS

SHEET NUMBER

E-1

EXISTING LOAD.....	23.75 AMPS
ALLOWED LOAD 80%.....	160.00 AMPS

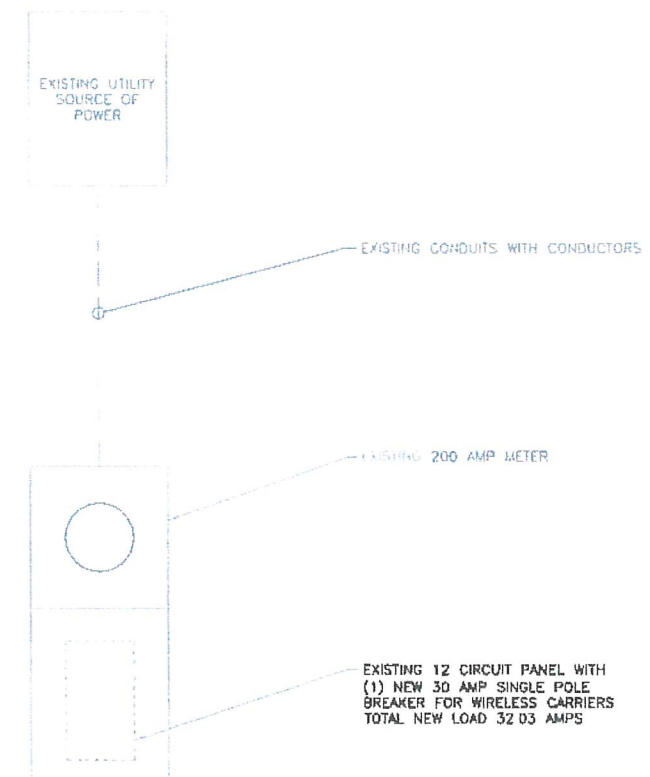
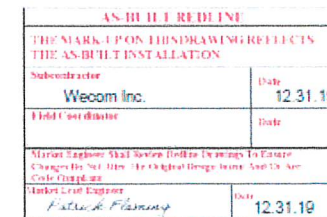


EXISTING SINGLE LINE DIAGRAM

NO SCALE

1

EXISTING LOAD.....	23.75 AMPS
SAFETY FACTOR 125%.....	29.69 AMPS
PROPOSED LOAD.....	2.34 AMPS
TOTAL LOAD.....	32.03 AMPS
ALLOWED LOAD 80% OF 200 AMPS.....	160.00 AMPS



PROPOSED SINGLE LINE DIAGRAM

NO SCALE

2

MODEL NUMBER:	EXISTING METER AND LOAD CENTER PEDESTAL	
PHASE:	1	WIRE:
BUSS RATING:	200	AMPS

CKT	LOAD DESCRIPTION	BREAKER R 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	STREET LIGHTS	60	2	ON	1920	1.00	1.25	2475		1.25	1.00	60	ON	1	15	PHOTO CELL	2
3					1920	1.00	1.25		3150	1.25	1.00	600	ON	1	30	EXISTING LOAD	4
5								750		1.25	1.00	600	ON	1	30	EXISTING LOAD	6
7									750	1.25	1.00	600	ON	1	30	EXISTING LOAD	8
9								0									10
11									563	1.25	1.00	450	NEW	1	30	PACTEHSOL PTS90122-3-AA77-PN-8	12
								PHASE A	PHASE B								
								3225	4463	VA							
								TOTAL	KVA	7.69	≤ 80% OF MAIN BREAKER						
									AMPS	32.03							

PROPOSED PANEL SCHEDULE AND CALCS

NO SCALE

3



AT&T MOBILITY
10550 W. CHARLESTON
SUITE 8
LAS VEGAS, NV 89135



BLACK & VEATCH

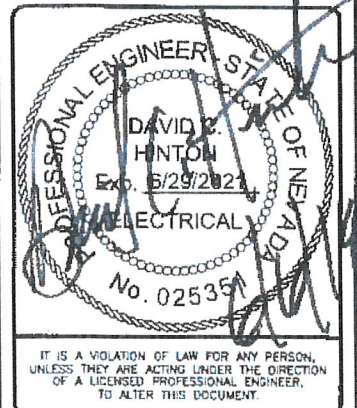
BLACK & VEATCH CORPORATION
8965 S EASTERN AVE
SUITE #325
LAS VEGAS, NV 89123

PROJECT NO: 129084.1514

DRAWN BY: SBD

CHECKED BY: GAC

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



NVL08227F_R03
 INTERSECTION OF
 SKY VISTA & SUNCREEK
 LAS VEGAS, NV 89138
 PICO SMALL CELL

SHEET TITLE
ELECTRICAL CALCULATIONS
AND SCHEDULES

SHEET NUMBER

E-2

EXISTING POWER SOURCE

EXISTING METER PEDESTAL (SEE PANEL SCHEDULE ON E-2)

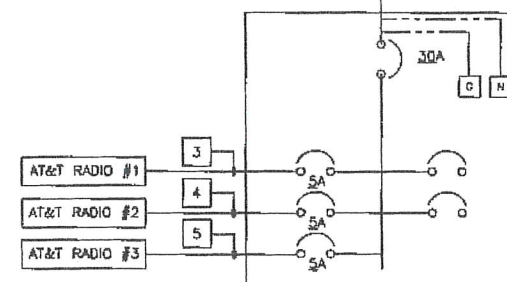
EXISTING STREET LIGHT

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) #6 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

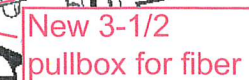
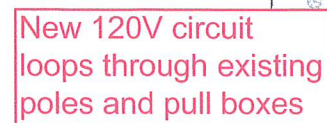
TABLE 1



PROPOSED AT&T SMALL CELL LOAD CENTER WITH DISCONNECT (PTIS90123 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' - 1550'	3% VOLT DROP @ 3.75A	
#3 CU AWG	1550' - 1920'	3% VOLT DROP @ 3.75A	
#2 CU AWG	1920' - 2530'	3% VOLT DROP @ 3.75A	

Site Name		SKY VISTA & SUNCREEK				MODEL NUMBER		PACTELHOL PTS10123									
SITE NUMBER		NVL08227F_R03				PHASE		1		WIRE:						1	
VOLTAGE		120		Vols AC													
MAIN BREAKER		30		AMPS				BUS RATING		40		AMPS					
MOUNT		SURFACE															
ENCLOSURE TYPE		NEMA 3R															
PANEL STATUS		PROPOSED															
CRT	LOAD DESCRIPTION	BREAKER AMP	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	CRT
1	NOKIA AIRSCALE MICRO 425000 RHH	5	1	NEW	100	1.00	1.00	100									1
2								0									2
3	NOKIA AIRSCALE MICRO 425000 RHH	5	1	NEW	100	1.00	1.00	100									3
4								0									4
5	NOKIA AIRSCALE MICRO 425000 RHH	5	1	NEW	100	1.00	1.00	100									5
								TOTAL									
1. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT								430	VA								
								TOTAL		RVA	845						
										AMPS	3.75	C. NOTE OF MAIN SCHEDULED					



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

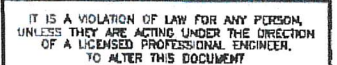
AT&T MOBILITY
10550 W. CHARLESTON
SUITE B
LAS VEGAS, NV 89135



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

PROJECT NO:	1290B4.1514
DRAWN BY:	SBD
CHECKED BY:	GAC

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



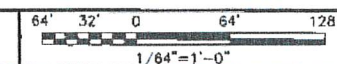
NVLO8227F_R03
INTERSECTION OF
SKY VISTA & SUNCREEK
LAS VEGAS, NV 89138
PICO SMALL CELL

SHEET TITLE
EXPANDED SITE PLAN
AND UTILITY ROUTE

SHEET NUMBER

A-1

EXPANDED SITE PLAN AND UTILITY ROUTE



A