

T-Mobile

SITE NUMBER: DN06123A
SITE NAME: CROWN BU - 877092
SITE TYPE: SELF SUPPORT
TOWER HEIGHT: 69'-7"

BUSINESS UNIT #: 877092
SITE ADDRESS: 125 NORTH GATE BLVD
 COLORADO SPRINGS, CO 80921
COUNTY: EL PASO

T-MOBILE PROJECT: SPRINT RETAIN

T-Mobile
 2323 DELGANY STREET
 DENVER, CO 80216

CROWN CASTLE
 200 SPECTRUM CENTER DRIVE,
 SUITE 1700 & 1800
 IRVINE, CA 92618

TOWER ENGINEERING PROFESSIONALS
 4710 E ELWOOD ST, STE 9
 PHOENIX, AZ 85040
 OFFICE: (480) 285-0036
 www.tepgroup.net

T-MOBILE
SITE NUMBER: DN06123A
(SPRINT RETAIN)

BU #: 877092
F3/FILL-IN/COLORADO
SPGS/CSP18

 125 NORTH GATE BLVD
 COLORADO SPRINGS, CO
 80921

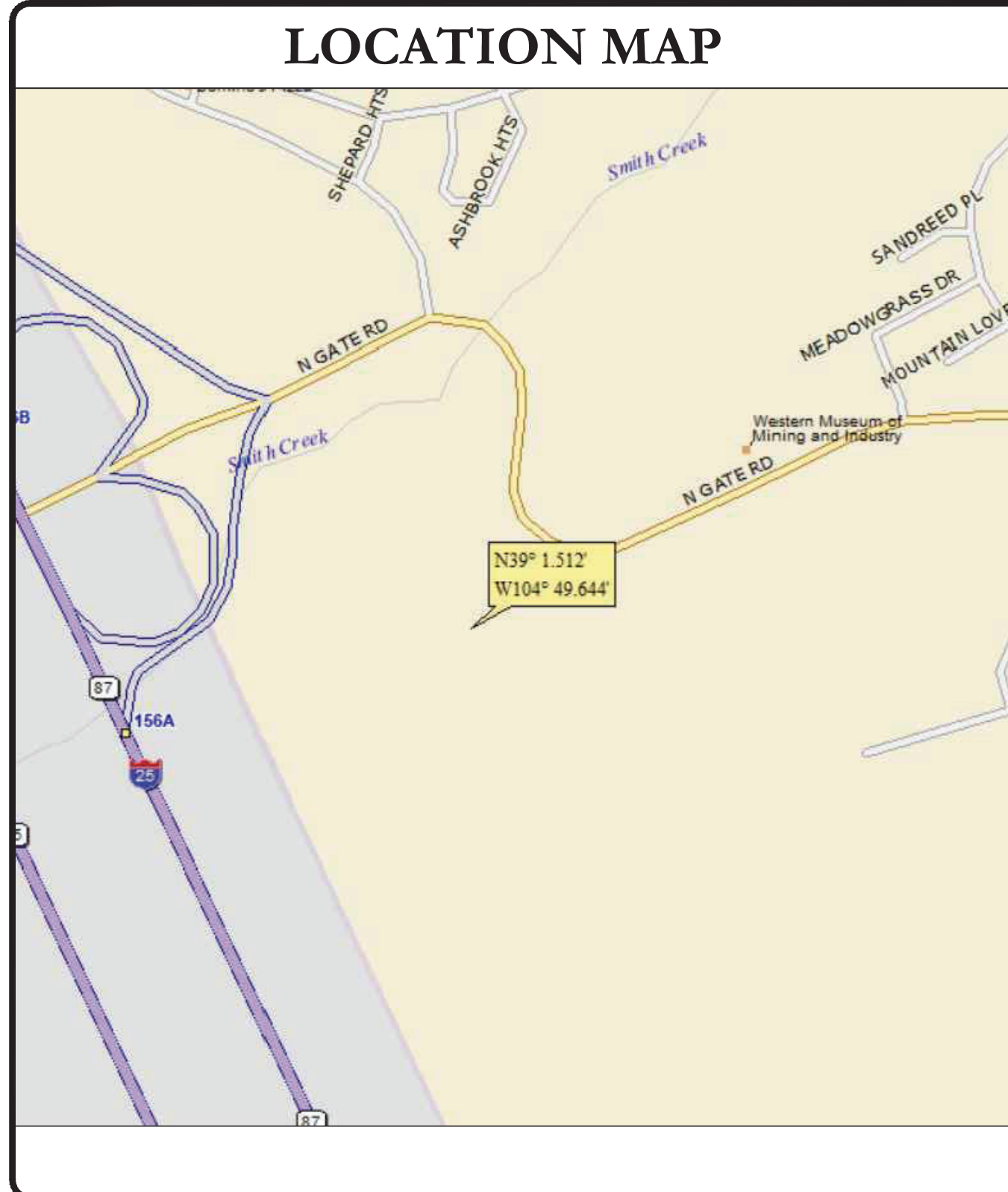
 EXISTING 69'-7"
 SELF SUPPORT

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
5	09/12/22	GBP	CONSTRUCTION	JFJ
6	09/27/22	DRC	CONSTRUCTION	JFJ
7	11/05/22	KDP	CONSTRUCTION	JFJ
8	02/02/23	DRS	CONSTRUCTION	JFJ
9	02/16/23	SSO	CONSTRUCTION	JFJ

SITE INFORMATION	
CROWN CASTLE USA INC.	F3/FILL-IN/COLORADO SPGS/CSP18
SITE NAME:	125 NORTH GATE BLVD
SITE ADDRESS:	COLORADO SPRINGS, CO 80921
COUNTY:	EL PASO
MAP/PARCEL #:	6207200017
AREA OF CONSTRUCTION:	EXISTING
PARCEL SIZE:	APPROX. 1,236,670 SQ FT
LATITUDE:	39° 01' 30.72"
LONGITUDE:	-104° 49' 38.65"
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	6,788 FT
CURRENT ZONING:	RR-5
JURISDICTION:	EL PASO COUNTY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	WESTERN MUSEUM OF MINING INDUSTRY 125 NORTH GATE RD COLORADO SPRINGS CO, 80921
TOWER OWNER:	GLOBAL SIGNAL ACQUISITIONS II LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	T-MOBILE 2323 DELGANY STREET DENVER, CO 80216
ELECTRIC PROVIDER:	MOUNTAIN VIEW ELECTRIC
TELCO PROVIDER:	CENTURYLINK

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	OVERALL SITE PLAN
C-1.2	EXISTING EQUIPMENT LAYOUT
C-1.3	NEW EQUIPMENT LAYOUT
C-2	TOWER ELEVATIONS
C-3	ANTENNA PLANS
C-4	FINAL EQUIPMENT SCHEDULE
C-5.1	EQUIPMENT SPECS
C-5.2	EQUIPMENT SPECS
C-5.3	EQUIPMENT SPECS
E-1	ELECTRICAL DETAILS
E-2	ELECTRICAL DETAILS
G-1	GROUNDING DETAILS
ATTACHED	RF CABLING DIAGRAM
ATTACHED	MOUNT SPECIFICATION
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.	



PROJECT TEAM	
A&E FIRM:	TOWER ENGINEERING PROFESSIONALS 4710 E ELWOOD ST, STE 9 PHOENIX, AZ 85040 OFFICE: (480) 285-0036
CROWN CASTLE USA INC. DISTRICT CONTACTS:	200 SPECTRUM CENTER DRIVE, SUITE 1700 & 1800 IRVINE, CA 92618 BRYCE NORTHCUTT - PROJECT MANAGER BRYCENORTHCUTT@CROWNCastle.COM JONATHAN BAIN - CONSTRUCTION MANAGER JONATHANBAIN@CROWNCastle.COM

PROJECT DESCRIPTION	
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.	
TOWER SCOPE OF WORK:	
<ul style="list-style-type: none"> REMOVE UNUSED EQUIPMENT REMOVE EXISTING CONCEALMENT ADD (3) FFVV-65A-R2-V1 ANTENNAS, (1) PER SECTOR ADD (3) AEHC ANTENNAS, (1) PER SECTOR ADD (3) RADIO AHLOA, (1) PER SECTOR ADD (3) RADIO AHFIG, (1) PER SECTOR ADD (2) HCS 2.0 PART 1 PENDANTS ADD (2) HCS 2.0 HYBRID CABLES ADD (4) SITE PRO 1 SBWM PIPE MOUNT 	
GROUND SCOPE OF WORK:	
<ul style="list-style-type: none"> REMOVE UNUSED EQUIPMENT ADD (2) ASILs ADD (1) ABIA ADD (4) ABIOs ADD (1) AMIA ADD (2) 200A DISCONNECT SWITCHES ADD (1) GENERIC 600A CABINET ADD (1) GENERIC BATTERY CABINET FOR 600A SSC ADD (1) VOLTAGE BOOSTER ADD (1) EXTRA BOOSTER AMPLIFIER ADD (2) HCS 2.0 JUNCTION BOXES ADD (1) CSR IXRc V2 ROUTER 	

APPLICABLE CODES/REFERENCE DOCUMENTS	
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:	
CODE TYPE	CODE
BUILDING	2018 IBC
MECHANICAL	2018 IMC
ELECTRICAL	2017 NEC
LEGAL DESCRIPTION OF PARCEL: LOT 1 BLK 1 MINING MUSEUM SUB NO 1, TOG WITH VAC OLD NORTH GATE RD ADJ BY REC #208007172, EX THAT PT CONV BY REC #208013928, TOG W/ THAT PT DESC BY REC # 208013927	
REFERENCE DOCUMENTS:	
STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	11/03/2022
MOUNT ANALYSIS:	INFINIGY
DATED:	11/01/2022
RFDS REVISION:	1
DATED:	08/24/2022
ORDER ID:	632143
REVISION:	0
NOTE: PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER.	

APPROVALS	
SIGNATURE	DATE
_____	_____
_____	_____
_____	_____

Andrew R. Berglund, P.E.
 Professional Engineer License: #58272

02/16/23

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 NUMBER: T-1	REVISION: 9
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INSTALLER NOTE:
 NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT ANALYSIS BY INFINIGY DATED 11/01/2022