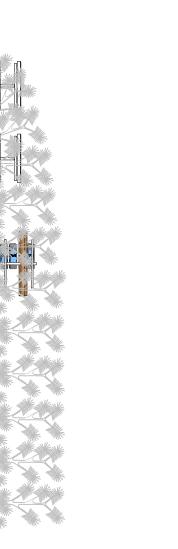
SHEET INDEX



GENERAL PROJECT NOTES:

CSP SCAREBROOK

PROJECT NO. 20171683945

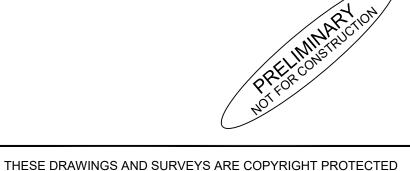
PUBLIC RECORD PARCEL NO. 6118009003

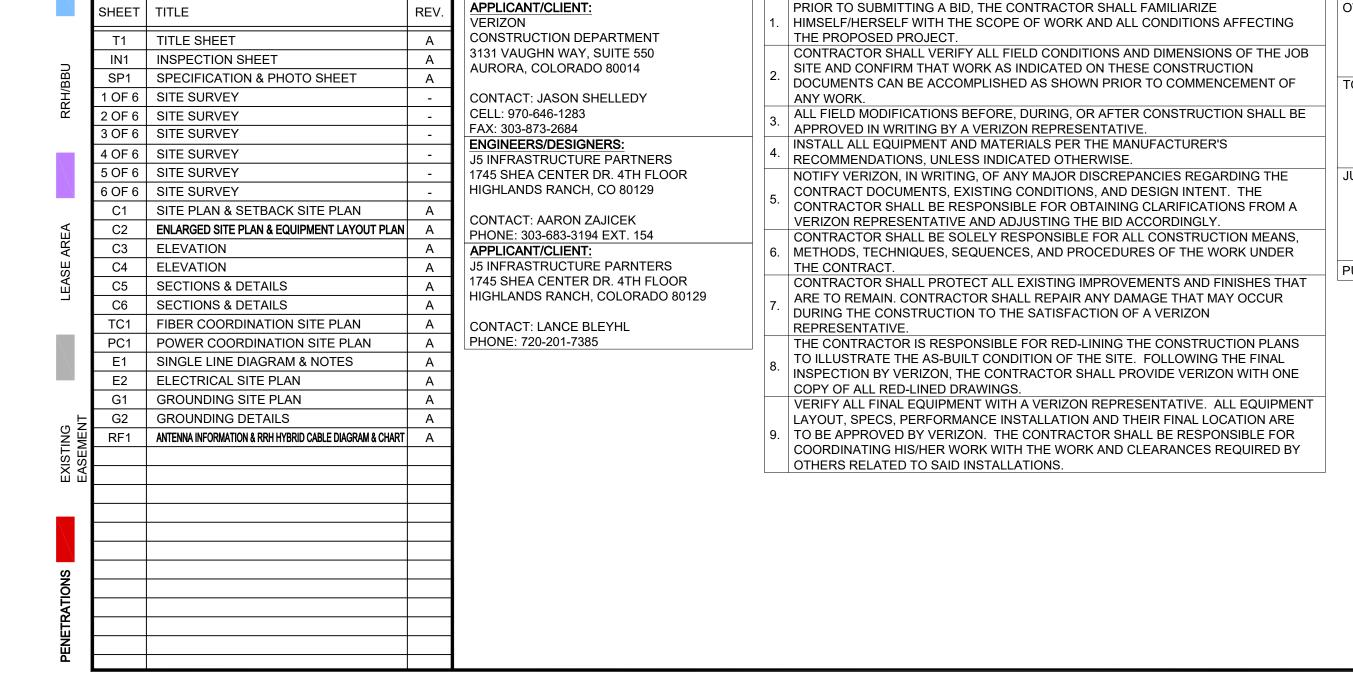
CROWN CASTLE SITE ID: 823520

CROWN CASTLE SITE NAME: CS GOODMAN AND SONS

17993 SIERRA WAY MONUMENT, COLORADO 80132 EL PASO COUNTY

EXISTING 69'-0" MONOPINE (OVERALL HEIGHT: 73'-0" A.G.L.) COLLOCATION COMMUNICATION SITE





PROJECT INDEX:

PROJECT INFORMATION: **ROBERT & KIMBERLY BOILEAU** 17993 SIERRA WAY MONUMENT, COLORADO 80132 CONTACT: ROBERT & KIMBERLY BOILEAU TOWER OWNER CROWN CASTLE 116 INVERNESS DRIVE EAST, STE 280 ENGLEWOOD, COLORADO 80112 CONTACT: ANDREW SILVERNAIL PHONE: 480-734-2415 JURISDICTION: EL PASO COUNTY 200 SOUTH CASCADE AVE. SUITE 100 COLORADO SPRINGS, COLORADO 80903 ZONING DEPARTMENT CONTACT: LEN KENDELL PHONE: 719-520-6447 PUBLIC RECORD PARCEL NO:



FCC COMPLIANCE:

ADA COMPLIANCE:

PROJECT DESCRIPTION:

THREE (3) NEW 4" PVC CONDUIT PIPES

ON GALVANIZED COMMSCOPE PLATFORM

ON GALVANIZED COMMSCOPE PLATFORM

EQUIPMENT CABINETS MOUNTED TO CONCRETE PAD

TWO (2) NEW LOW INDUCTANCE HYBRID CABLES

• NEW 'TREX' FENCE ENCLOSURE WITH 'TREX' GATE

THREE (3) NEW SECTOR FRAMES

TWO (2) NEW MAIN OVP UNITS

TWELVE (12) NEW RRH UNITS

• SIX (6) NEW PANEL ANTENNAS

NEW GALVANIZED DOGHOUSE

THIS PROJECT CONSISTS OF THE FOLLOWING:

BUILDING CODES.

COLORADO

INSTALLATION

DRIVING DIRECTIONS:

FROM THE VERIZON OFFICE LOCATED AT 3131 SOUTH VAUGHN WAY, AURORA, CO: HEAD SOUTHWEST ON S VAUGHN WAY. MERGE ONTO CO-83/S PARKER RD VIA THE RAMP ON THE LEFT MERGE ONTO I-225 S, EXIT 1A AND TAKE RAMP LEFT FOR I-25 S. FOR 39.8 MILES, EXIT 161 AND TAKE RAMP RIGHT FOR CO-105 FOR 0.5 MILES. TURN RIGHT ONTO CO-105 FOR 2.5 MILES, TURN RIGHT ONT O SIERRA WAY FOR 33 FT. SITE LOCATED EAST OF SIERRA WAY.



AND THE SOLE PROPERTY OF J5 INFRASTRUCTURE PARTNERS, LLC AND PRODUCED FOR THE USE OF OUR CLIENT. ANY REPRODUCTION OR USE OF THE INFORMATION CONTAINED

BUILDING CODE SUMMARY:

CSP SCAREBROOK **EXISTING 69'-0" MONOPINE** (OVERALL HEIGHT: 73'-0" A.G.L.) COLLOCATION COMMUNICATION SITE

AZ - CA - CO - ID - NM - NV - TX - UT

17993 SIERRA WAY MONUMENT, COLORADO 80132

EL PASO COUNTY SHEET TITLE: TITLE SHEET

A PRELIMINARY - NOT FOR CONSTRUCTION 10/30/18 DC SHEET NUMBER: 10/30/2018 9:56 AM PCD FILE NO. TWR183

	<u>CONCRI</u>	<u>ETE CON</u>		<u>ON</u>	
REQ'D	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD	IBC REFERENCE
x	1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	V	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
	2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM	-	V	AWS D1.4	
	A706; b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM ⁵ / ₆ " AND		V	ACI 318: 26.6.4	-
	c. INSPECT ALL OTHER WELDS. 3. INSPECT ANCHORS CAST IN	V			
	CONCRETE. 4. INSPECT ANCHORS POST-INSTALLED	-	√	ACI 318: 17.8.2	-
	IN HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY	V		ACI 318: 17.8.2.4	_
	INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	V	√	ACI 318: 17.8.2	
	5. VERIFY USE OF REQUIRED DESIGN MIX.	-	V	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	V	-	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12	1908.10
	7. INSPECT CONCRETE AND SHORCRETE PLACEMENT TO PROPER APPLICATION TECHNIQUES.	V	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8
	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	V	ACI 318: 26.5.3-26.5.5	1908.9
	9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING	V	-	ACI 318: 26.10	_
	FORCES; AND b. GROUTING OF BONDED PRESTRESSING TENDONS.	√	-	7.0.0.0.20.0	
	10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	-	V	ACI 318: Ch. 26.8	-
	11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	V	ACI 318: Ch. 26.11.2	-
	12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSION OF THE CONCRETE MEMBER BEING FORMED.	-	V	ACI 318: Ch. 26.11.2(b)	-

	<u>TABLE N5.6-1</u>							
	INSPECTION	TASKS	PRIOR B	OLTING				
REQ'D	INSPECTION TASKS PRIOR TO BOLTING	OBSERVE ON A RANDOM BASIS	PERFORM FOR EACH BOLTED CONNECTION	APPLICABLE RCSC SPECIFICATION REFERENCES*				
X	MANUFACTURERS CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS.	√	-	2.1, 9.1				
	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.	V	-	FIGURE C-2.1, 9.1 (ALSO SEE ASTM STANDARDS)				
	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS TO BE EXCLUDED FROM SHEAR PLATE)	V	-	2.3.2, 2.7.2, 9.1				
	PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	$\sqrt{}$	-	4, 8				
	CONNECTION ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS,	V	-	3, 9.1, 9.3				
	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.	-	V	7, 9.2				
	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND FASTENER COMPONENTS.	V	-	2.2, 8, 9.1				
	*RCSC (2009)							

	TABLE N5.6-2						
	INSPECTION	TASKS [DURING	<u>BOLTING</u>			
REQ'D	INSPECTION TASKS DURING TO BOLTING	OBSERVE ON A RANDOM BASIS	PERFORM FOR EACH BOLTED CONNECTION	APPLICABLE RCSC SPECIFICATION REFERENCES*			
X	FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED.	V	-	8.1, 9.1			
	JOINT BROUGHT TO THE SNUG TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.	√	-	8.1, 9.1			
	FASTENER COMPONENT NOT TURNED BE THE WRENCH PREVENTED FROM ROTATING.	√	-	8.2, 9.2			
	FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH A METHOD APPROVED BY RCSC AND PROGRESSING SYSTEMATICALLY FROM MOST RIGID POINT TOWARD FREE EDGES.	V	-	8.2, 9.2			
	*RCSC (2009)						

	<u>TABLE N5.6-3</u> <u>INSPECTION TASKS AFTER BOLTING</u>							
REQ'D	INSPECTION TASKS AFTER BOLTING	OBSERVE ON A RANDOM BASIS	PERFORM FOR EACH BOLTED CONNECTION	APPLICABLE RCSC SPECIFICATION REFERENCES*				
X	DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS.	-	√	NOT ADDRESSED BY RCSC				
	*RCSC (2009)							

	INSPECTION TASKS	N5.4- PRIOR	TO WE	LDING
EQ'D	INSPECTION TASKS PRIOR TO WELDING	OBSERVE ON A RANDOM BASIS	PERFORM FOR EACH WELDED JOINT OR MEMBER	AWS D1.1/D1.1M REFERENCES
X	WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE	-	√	6.3
	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	-	√	6.2
	MATERIAL IDENTIFICATION (TYPE/GRADE)	√	-	6.2
	WELDER IDENTIFICATION SYSTEM	√	-	6.4 (WELDER QUALIFICATION) (IDENTIFICATION SYSTEM NOT REQUIRED BY AWS D1.1/D1.1M)
	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) JOINT PREPARATION DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION) BACKING TYPE AND FIT (IF APPLICABLE)	V	-	6.5.2 5.22 5.15 5.18 5.10, 5.22.1.1
	CONFIGURATION AND FINISH OF ACCESS HOLES	\checkmark	-	6.5.2, 5.17 (ALSO SEE SECTION J1.6)
	FIT-UP OF FILLET WELDS DIMENSIONS (ALIGNMENT, GAPS AT ROOT) CLEANLINESS (CONDITION OF STEEL SURFACES) TACKING (TACK WELD QUALITY AND LOCATION)	V	-	5.22.1 5.15 5.18
	CHECK WELDING EQUIPMENT	√	-	6.2, 5.11
AWS (2	·	,	I	, , , , , , , , , , , , , , , , , , ,

REQ'D	INSPECTION TASKS DURING WELDING	OBSERVE ON A RANDOM BASIS	PERFORM FOR EACH WELDED JOINT OR MEMBER	AWS D1.1/D1.1M REFERENC
X	USE OF QUALIFIED WELDERS	√	-	6.4
	CONTROL AND HANDLING OF WELDING CONSUMABLES PACKAGING EXPOSURE CONTROL	V	-	6.2 5.3.1 5.3.2 (FOR SMAW), 5.3.3 (FC SAW)
	NO WELDING OVER CRACKED TACK WELDS	√	-	5.18
	ENVIRONMENTAL CONDITIONS · WIND SPEED WITHIN LIMITS · PRECIPITATION AND TEMPERATURE	V	-	5.12.1 5.12.2
	WPS FOLLOWED SETTINGS ON WELDING EQUIPMENT TRAVEL SPEED SELECTED WELDING MATERIALS SHIELDING GAS TYPE/FLOW RATE PREHEAT APPLIED INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) PROPER POSITION (F, V, H, OH)	√	-	6.3.3, 6.5.2, 5.5, 5.2.1 5.6, 5.7
	WELDING TECHNIQUES INTERPASS AND FINAL CLEANING EACH PASS WITHIN PROFILE LIMITATIONS EACH PASS MEETS QUALITY REQUIREMENTS	V	-	6.5.2, 6.5.3, 5.24, 5.30.1

	INSPECTION TASK	S AFIE		<u>JING</u>
REQ'D	INSPECTION TASKS AFTER WELDING	OBSERVE ON A RANDOM BASIS	PERFORM FOR EACH WELDED JOINT OR MEMBER	AWS D1.1/D1.1M REFERENCES*
X	WELDS CLEANED	√	-	5.30.1
	SIZE AND LENGTH AND LOCATION OF WELDS	-	√	6.5.1
	WELDS MEET VISUAL ACCEPTANCE CRITERIA CRACK PROHIBITION WELD/BASE-METAL FUSION CRATER CROSS SECTION WELD PROFILES WELD SIZE UNDERCUT POROSITY	-	V	6.5.3 TABLE 6.1(1) TABLE 6.1(2) TABLE 6.1(3) TABLE 6.1(4), 5.24 TABLE 6.1(6) TABLE 6.1(7) TABLE 6.1(8)
	ARC STRIKES	-	√	5.29
	k-AREA*	-	√	NOT ADDRESSED IN AWS
	BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	-	√	5.10, 5.31
	REPAIR ACTIVITIES	-	√	6.5.3, 5.26
	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	-	V	6.5.4, 6.5.5

SPECIAL INSPECTION COORDINATION:

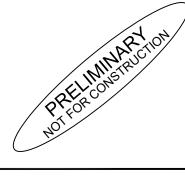
- IF STEEL FABRICATOR IS STATE APPROVED, STEEL SPECIAL INSPECTIONS ARE NOT REQUIRED.
- ALL SPECIAL INSPECTIONS MUST BE PERFORMED BY A QUALIFIED INSPECTOR.
- ALL INSPECTION REPORTS SHALL BE ORGANIZED INTO A CONCISE DOCUMENT AND DELIVERED TO THE ENGINEER OF RECORD FOR APPROVAL.

- SPECIAL INSPECTION COORDINATIONS:
- SPECIAL INSPECTIONS APPLICABLE TO CONCRETE CONSTRUCTION ARE ONLY REQUIRED FOR TOWER FOUNDATION. SPECIAL INSPECTION ARE NOT REQUIRED FOR SHELTER FOUNDATIONS OR GENERATOR PAD FOUNDATIONS.
- MARTINEZ ASSOCIATES, INC. 14828 WEST 6TH AVENUE, UNIT 9B GOLDEN, COLORADO 80401

CONTACT: JERE STRICKLAND, P.E. PHONE: 303-459-2216

PIER FOUNDATIONS (IBC TABLE 1704.9):

REQ'D	VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
X	1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.	√	-	-
	2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY.	1	-	-



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AURORA, COLORADO 80014



CSP SCAREBROOK EXISTING 69'-0" MONOPINE (OVERALL HEIGHT: 73'-0" A.G.L.) COLLOCATION COMMUNICATION SITE

17993 SIERRA WAY MONUMENT, COLORADO 80132 **EL PASO COUNTY**

SHEET TITLE:

INSPECTION SHEET

10/30/2018 9:56 AM				•	N1		
SAVE DATE:		SHEET NUMBE			NIA		
Α	PREL	PRELIMINARY - NOT FOR CONSTRUCTION)/30/18	DC	
REV	DESCRIPTION				DATE	BY	Cl

PCD FILE NO. TWR183

- RESPONSIBILITY. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING ANY MATERIALS OR CONDUCTING ANY WORK.
- EXCESS SOIL MATERIAL AND DEBRIS CAUSED BY THIS CONSTRUCTION SHALL BE REMOVED
- CONTRACTOR SHALL MAKE ADJUSTMENTS TO GRADING ELEVATIONS AS NECESSARY TO ENSURE A SITE FREE OF DRAINAGE PROBLEMS.
- CONTRACTOR SHALL COORDINATE A CONSTRUCTION LAYDOWN AREA WITH THE PROPERTY OWNER. CONSTRUCTION LAYDOWN AREA SHALL BE FENCED-IN WITH TEMPORARY (45 DAY) CONSTRUCTION FENCE. THE TEMPORARY FENCE SHALL BE CONSTRUCTED OF 6' HIGH CHAIN LINK FABRIC AND IS TO BE REMOVED AT THE END OF CONSTRUCTION. LAYDOWN AREA IS TO BE
- RESTORED TO ITS ORIGINAL CONDITION AFTER FENCE REMOVAL. SURVEY INFORMATION SHOWN WAS CREATED FROM RECORD INFORMATION AND DOES NOT
- THESE PLANS DO NOT ADDRESS THE SAFETY AND STABILITY OF THE STRUCTURE DURING ASSEMBLY AND ERECTION, WHICH ARE THE RESPONSIBILITY OF THE ERECTOR, BASED ON THE MEANS AND METHODS CHOSEN BY THE ERECTOR.
- NEW EQUIPMENT COMPOUND SHALL BE COVERED W/ 4" CRUSHED ROCK INSTALLED OVER CLIENT-APPROVED WEED BARRIER MATERIAL (IF APPLICABLE). (OR PER BUILT-UP COMPOUND

GENERAL CONTRACTOR NOTES:

CONSTITUTE A LEGAL BOUNDARY SURVEY.

FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE PROJECT SCOPE OF WORK DEFINED UNDER THE REQUEST FOR PROPOSAL (RFP) FOR THIS PROJECT AND ALL ASSOCIATED ATTACHMENTS AND DOCUMENTS PROVIDED.

THE RFP AND ALL ASSOCIATED DOCUMENTS SHALL DEFINE THE COMPLETE PROJECT SCOPE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL DOCUMENTS AND IS SOLELY RESPONSIBLE FOR ALL WORK.

ALL DOCUMENTS INCLUDED WITHIN THE PROJECT REQUEST FOR PROPOSAL ARE REQUIRED FOR THE COMPLETE PROJECT SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK (EQUIPMENT, MATERIAL, INSTALLATION, TESTING, ETC.) INDICATED IN ALL DOCUMENTS. THE RFP, VERIZON NETWORK STANDARDS AND PROJECT ADDENDUMS AND CLARIFICATIONS ARE COMPLEMENTARY TO EACH OTHER. THE FORMAT OF THE SPECIFICATIONS AND DRAWING NUMBERING PER DISCIPLINE IS NOT INTENDED TO IMPLY SEGREGATION OF SUB CONTRACTOR WORK. CONTRACTOR SHALL ASSIGN ALL SUB CONTRACTOR WORK AND VERIZON WILL NOT ACCEPT ANY CHANGE ORDERS FOR INTERNAL CONTRACTOR WORK ASSIGNMENTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING ALL RFP DOCUMENTS TO THEIR SUB CONTRACTORS. ALL RFP DOCUMENTS ARE REQUIRED TO INDICATE THE PROJECT SCOPE OF WORK. PARTIAL SUB CONTRACTOR DOCUMENT PACKAGES ARE HIGHLY DISCOURAGED.

IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, VERIZON STANDARDS, OR AGREEMENT TERMS AND CONDITIONS THE ARCHITECT/ ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE DETAILED AND EXPENSIVE INTERPRETATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECT/ ENGINEER INTERPRETATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO VERIZON.

ANTENNA, MOUNTS & HARDWARE INSTALLATION NOTES:

- CONTRACTOR TO INSTALL ANTENNAS, MOUNTS AND TOWER HARDWARE PER MANUFACTURER'S RECOMMENDATIONS (OR AS REQUIRED BY THE OWNER/PROVIDER).
- ALL BOLTS SHALL BE TIGHTENED PER AISC REQUIREMENTS (SEE STEEL NOTES). ANY GALVANIZED SURFACES THAT ARE DAMAGED BY ABRASIONS, CUTS, DRILLING OR FIELD WELDING DURING SHIPPING OR ERECTION SHALL BE TOUCHED-UP WITH TWO COATS OF COLD
- GALVANIZING COMPOUND MEETING THE REQUIREMENTS OF ASTM A780. ANTENNA MOUNTS SHALL NOT BE USED AS A CLIMBING DEVICE. WORKERS SHALL ALWAYS TIE OFF TO AN APPROVED CLIMBING POINT.
- SEE ALSO GENERAL ANTENNA NOTES ON SHEET RF1 (IF APPLICABLE).

STRUCTURAL DESIGN CRITERIA:

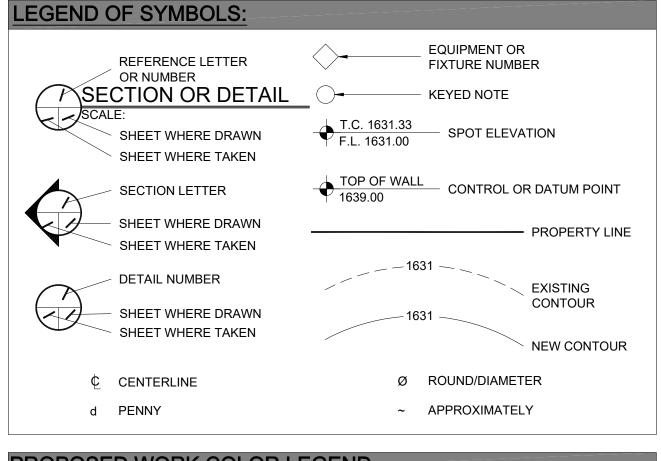
ALL LOADS DERIVED FROM REQUIREMENTS OF INTERNATIONAL BUILDING CODE 2015, ASCE 7-05, | "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" & ANSI TIA-222-G "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS".

BUILDING STRUCTURES:

- WIND LOADS: IBC 2015 §1609 & ASCE 7-10 §28.4 (SIMPLIFIED METHOD)
- OCCUPANCY CAT. = II; EXPOSURE CAT. = C; IMPORTANCE FACTOR = 1.0 2. SEISMIC LOADS: IBC 2015 §1613 & ASCE 7-05 §12.14 (SIMPLIFIED METHOD)
- OCCUPANCY CAT. = II; SITE CLASS = D
- $V = F(S_{DS})W$
- F = 1.0 (SINGLE-STORY), 1.1 (TWO STORY), 1.2 (THREE STORY)
- R = 1.5 (ORDINARY PLAIN CONCRETE SHEARWALLS), 6.5 (LIGHT-FRAMED WALLS W/ WOOD STRUCTURAL PANELS). 4.0 (ORDINARY REINFORCED CONCRETE SHEARWALLS)

COMMUNICATIONS STRUCTURES:

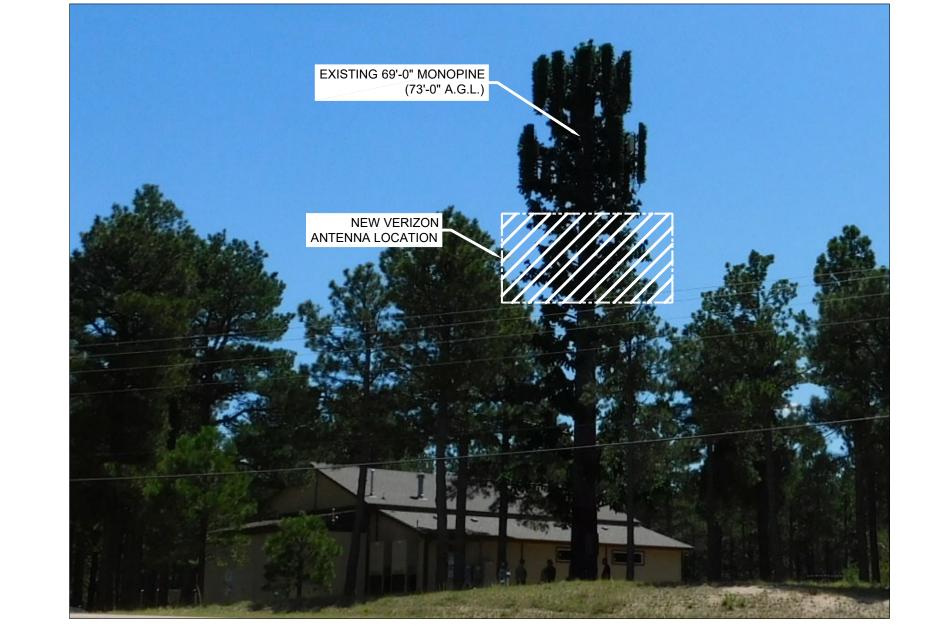
- WIND LOADS: IBC 2015 §1609, ASCE 7-10 §29.5 & ANSI TIA-222-G V = 130 MPH (3-SEC. GUST)
- V = 50 MPH (0" RADIAL ICE)
- STRUCTURE CLASS. = II; EXPOSURE CAT. = C; IMPORTANCE FACTOR = 1.0 SEISMIC LOADS*: IBC 2015 §1613, ASCE 7-10 §15.6.6 & ANSI TIA-222-G
- STRUCT. CLASS. = II; OCC. CAT. = II; SITE CLASS = D; IMPORTANCE FACTOR = 1.0 V = **Sds(W)I** (EQUIVALENT LATERAL FORCE PROCEDURE (METHOD 1))
- V = **S Saz(Wz)I** (EQUIVALENT MODAL ANALYSIS PROCEDURE (METHOD 2))



PROPOSED WORK COLOR LEGI	END
HYBRID & COAX CABLES	
OC POWER	
FIBER	
ANTENNAS	
PENETRATIONS	
RRH/BBU	
EXISTING EASEMENT	
EASE AREA	
ACCESS/UTILITY EASEMENT	
NEW WORK/UTILITY EASEMENT	
WALL HATCH	
EXISTING	







VIEW OF NEW ANTENNA LOCATION (LOOKING SOUTHEAST)

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AURORA, COLORADO 80014

AZ - CA - CO - ID - NM - NV - TX - UT CSP SCAREBROOK

EXISTING 69'-0" MONOPINE (OVERALL HEIGHT: 73'-0" A.G.L.) **COLLOCATION COMMUNICATION SITE**

17993 SIERRA WAY MONUMENT, COLORADO 80132 **EL PASO COUNTY**

SHEET TITLE:

SPECIFICATION & PHOTO SHEET

A PRELIMINARY - NOT FOR CONSTRUCTION 10/30/18 DC -SHEET NUMBER: 10/30/2018 9:56 AM

VIEW OF NEW LEASE AREA (LOOKING NORTHEAST)

VIEW OF NEW LEASE AREA (LOOKING NORTH)

PCD FILE NO. TWR183

PARCEL OWNERSHIP

OWNER: ROBERT J BOILEAU III KIMBERLY L BOILEAU PARCEL NO. 6118009003

ZONING DESIGNATION

PER EL PASO COUNTY WEBSITE PARENT PARCEL IS ZONED AS RR-2.5 "RESIDENTIAL RURAL"

STATE HIGHWAY 105 PUBLIC/PAVED - R.O.W VARIES

FOUND CDOT R.O.W

MARKER 3.25"

ALUM. CAP 515

20' U.E

TRACT 78 ARROWWOOD

SUBDIVISIONN

FOUND 1"

FOUND 0.5"

PIPE

PIPE

60.0

R.O.W

 \geq

 $\dot{\circ}$

 \propto

WAY - 60,

IERRA AVED

S = C

PUBLIC,

205031926

REC. NO.

FEMA FLOOD ZONE

PER FEMA F.I.R.M MAP PARENT PARCEL IS ZONED AS ZONE "X", FLOOD MAP NUMBER 08041C0279F, DATED 03/17/1997

AREA TABLE	SQUARE FEET	ACRE
A PARENT PARCEL	±1,214,177	±27.874
B TOWER EASEMENT	±100	±0.002
© LEASE AREA #1	±335	±0.008
D LEASE AREA #2	±350	±0.008
© 5' UTILITY EASEMENT	±446	±0.010
(E) ACCESS EASEMENT	±5893	±0135

N75°37'40"E 485.28' (BASIS OF BEARINGS)

REC. NO. —

205031926

-5' U.E. (SEE

--LEASE AREA #1

(SEE SHEET 4)

FOUND 1'

PIPE

SHEET 5)

-LEASE AREA #2

(SEE SHEET 4)

EXISTING -

TOWER

TOWER ESMT -

REC. NO.

205031926

TRACT 77

ARROWWOOD SUBDIVISIONN NO. 2

- ACCESS ESMT

(SEE SHEET 3)

(SEE SHEET 4)

Ö N

IRACT 79 SUBDIVISIONN

ARROW

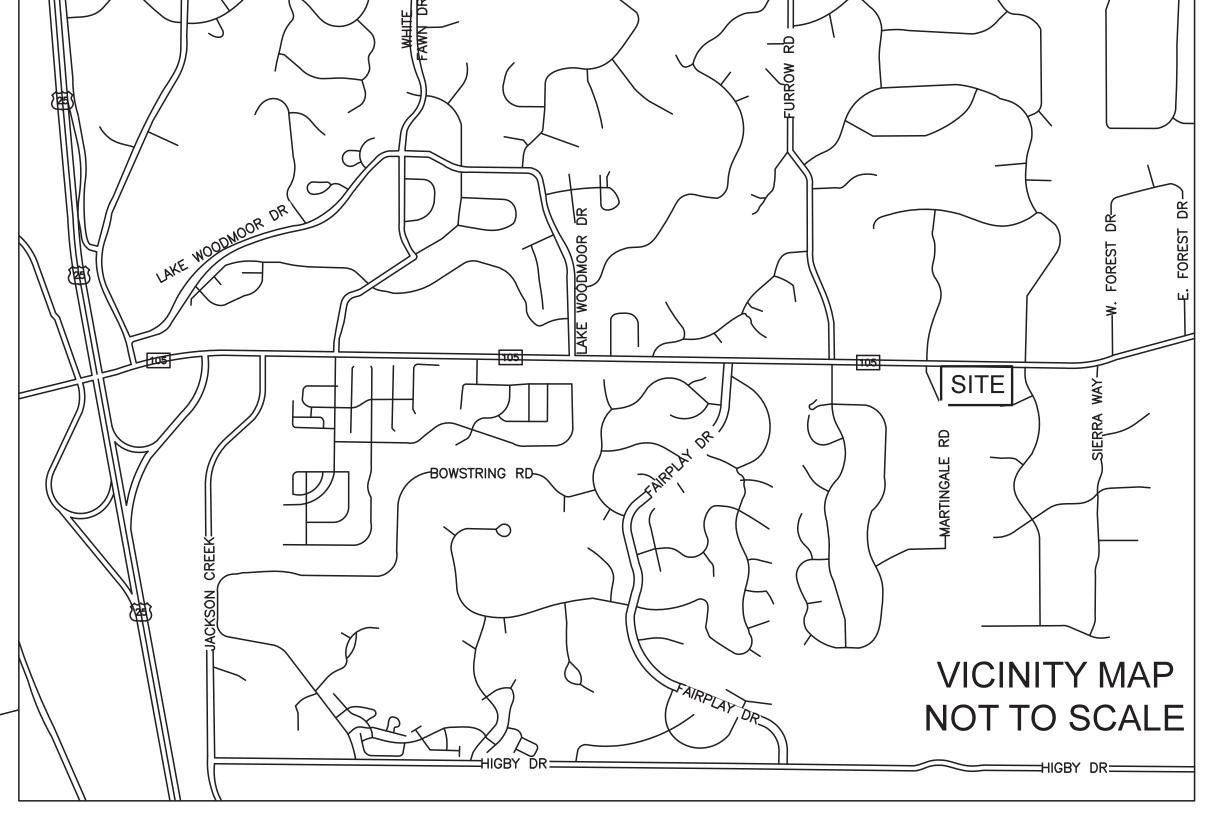
→ 10' U.E

REC. NO.

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TRACT 74 SUBDIVISIONN

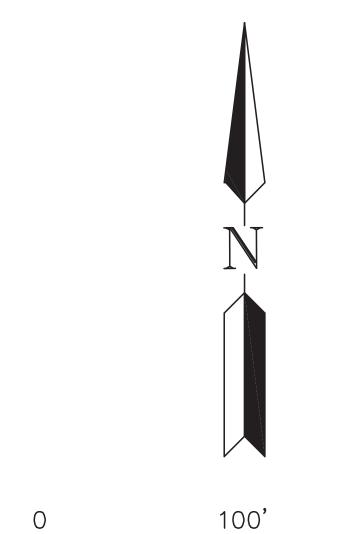
205031926



LEGEND

200'

FEET



SCALE

OVERALL PARENT PARCEL SCALE 1" = 100'

1"=100'

PCD FILE NO. TWR183

SURVEY IN SECTION 18,

TOWNSHIP 11 SOUTH, RANGE 66 WEST

SITE: CS GOODMAN AND SONS

BUN: 823520

ADDRESS: 17997 SIERRA WAY
MONUMENT, CO 80132
EL PASO COUNTY



NATIONAL SURVEY SERVICES COORDINATION BY:



13430 NW 104th Terrace, Suite A, Alachua, FL 32615 Office:(386) 418-0500 Fax:(386) 462-9986 WWW.GEOLINEINC.COM SURVEY WORK PERFORMED BY:



720 W. 84TH AVENUE

PH. 303-702-1617 FAX. 303-702-1488

WWW.POWERSURVEYING.COM

DRAWN BY: JCB CHECKED BY: RBG JOB #: 501-17-268

SURVEYOR'S NOTES

1. BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH LINE OF TRACT 78 ARROWWOOD SUBDIVISION, SAID LINE IS ASSUMED TO BEAR NORTH 75°37'40" EAST, A DISTANCE OF 485.00 FEET.

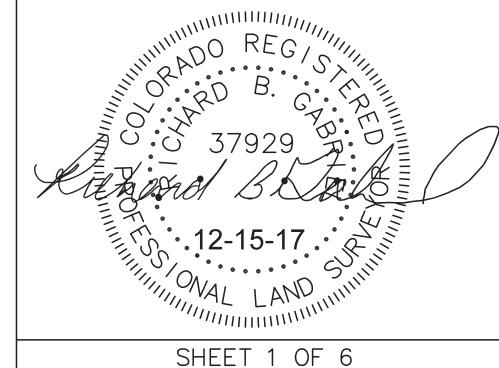
2. NO SUBSURFACE INVESTIGATION WAS PERFORMED TO LOCATE UNDERGROUND UTILITIES. UTILITIES SHOWN HEREON ARE LIMITED TO AND ARE PER OBSERVED EVIDENCE ONLY.

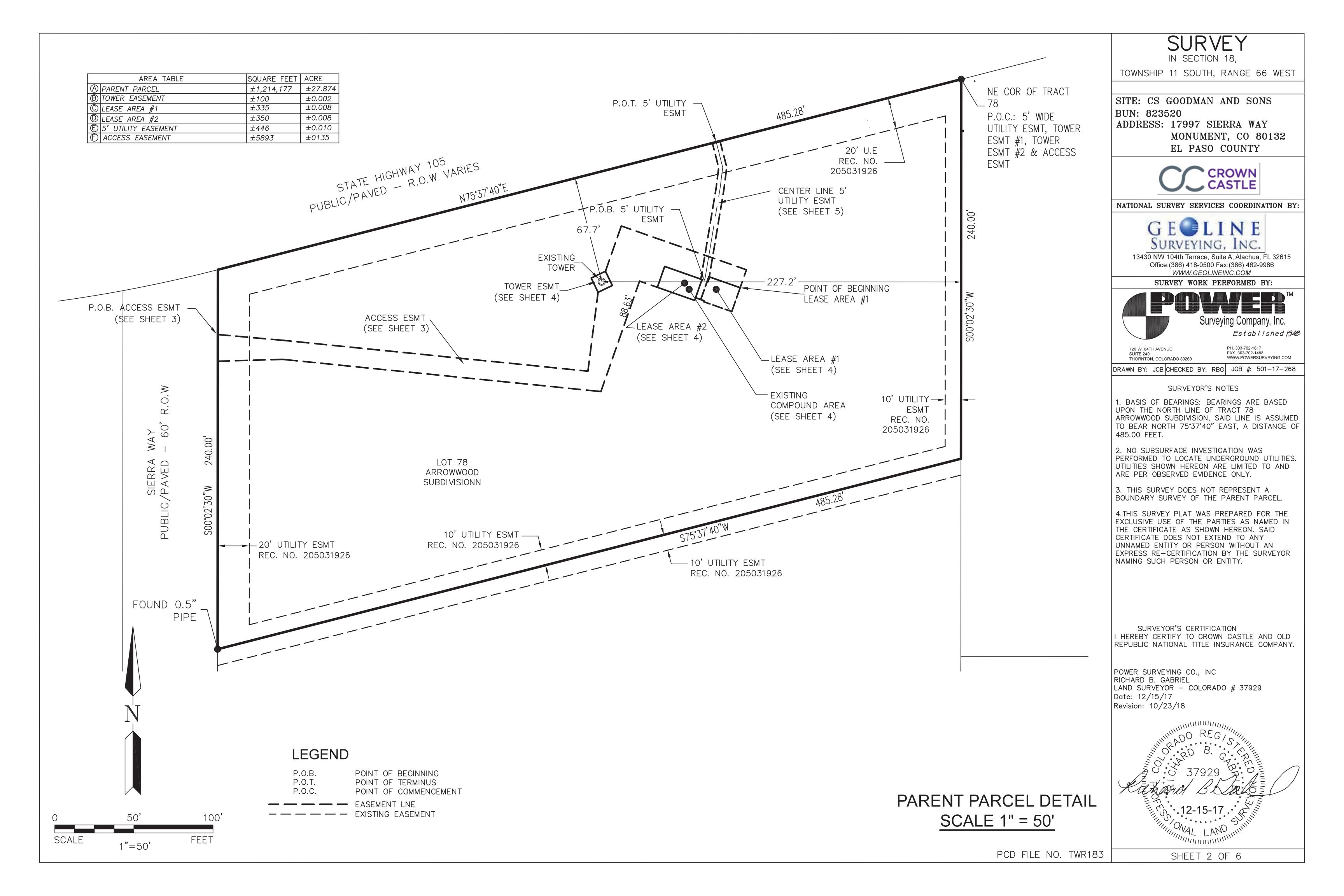
3. THIS SURVEY DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL.

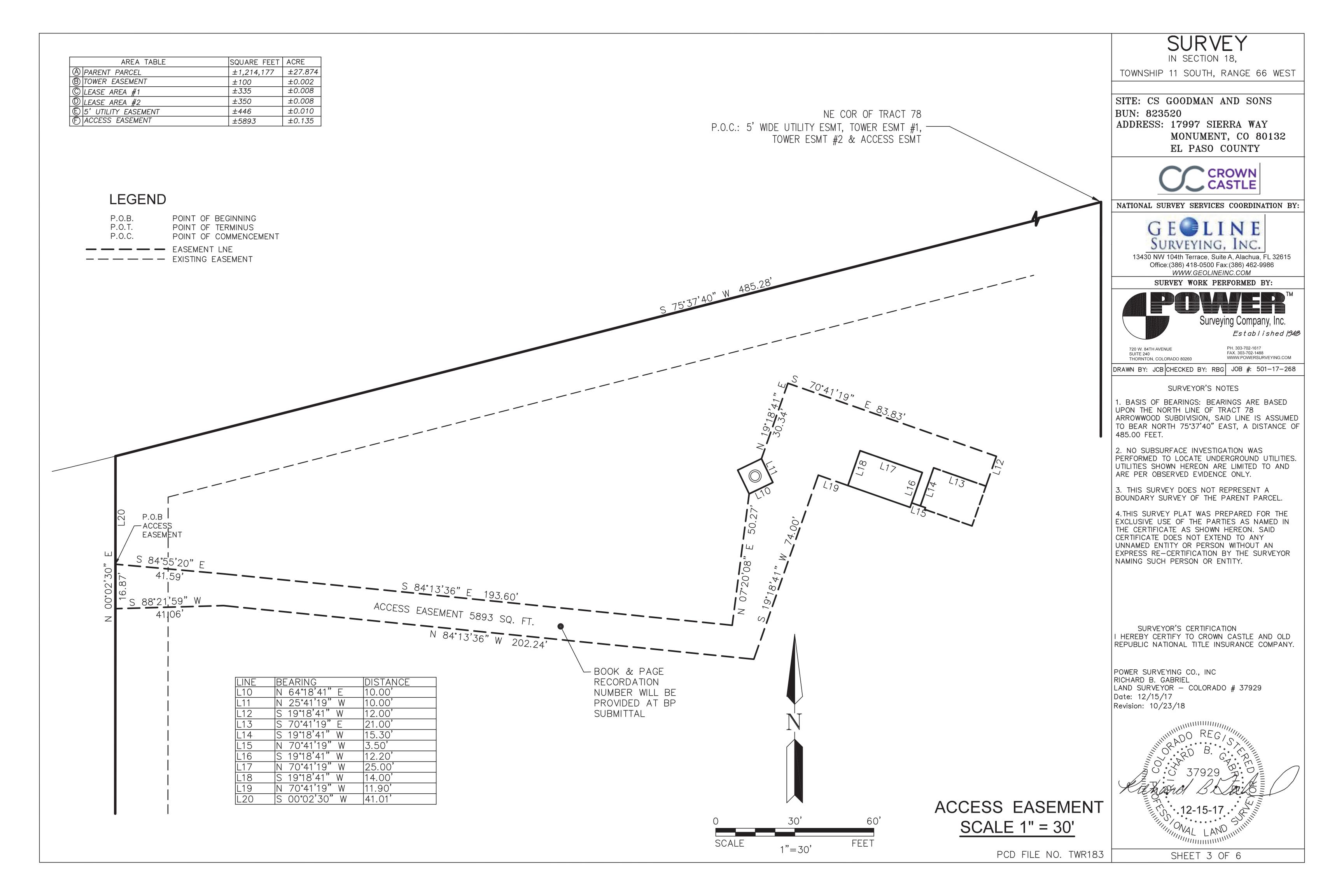
4.THIS SURVEY PLAT WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTIES AS NAMED IN THE CERTIFICATE AS SHOWN HEREON. SAID CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED ENTITY OR PERSON WITHOUT AN EXPRESS RE—CERTIFICATION BY THE SURVEYOR NAMING SUCH PERSON OR ENTITY.

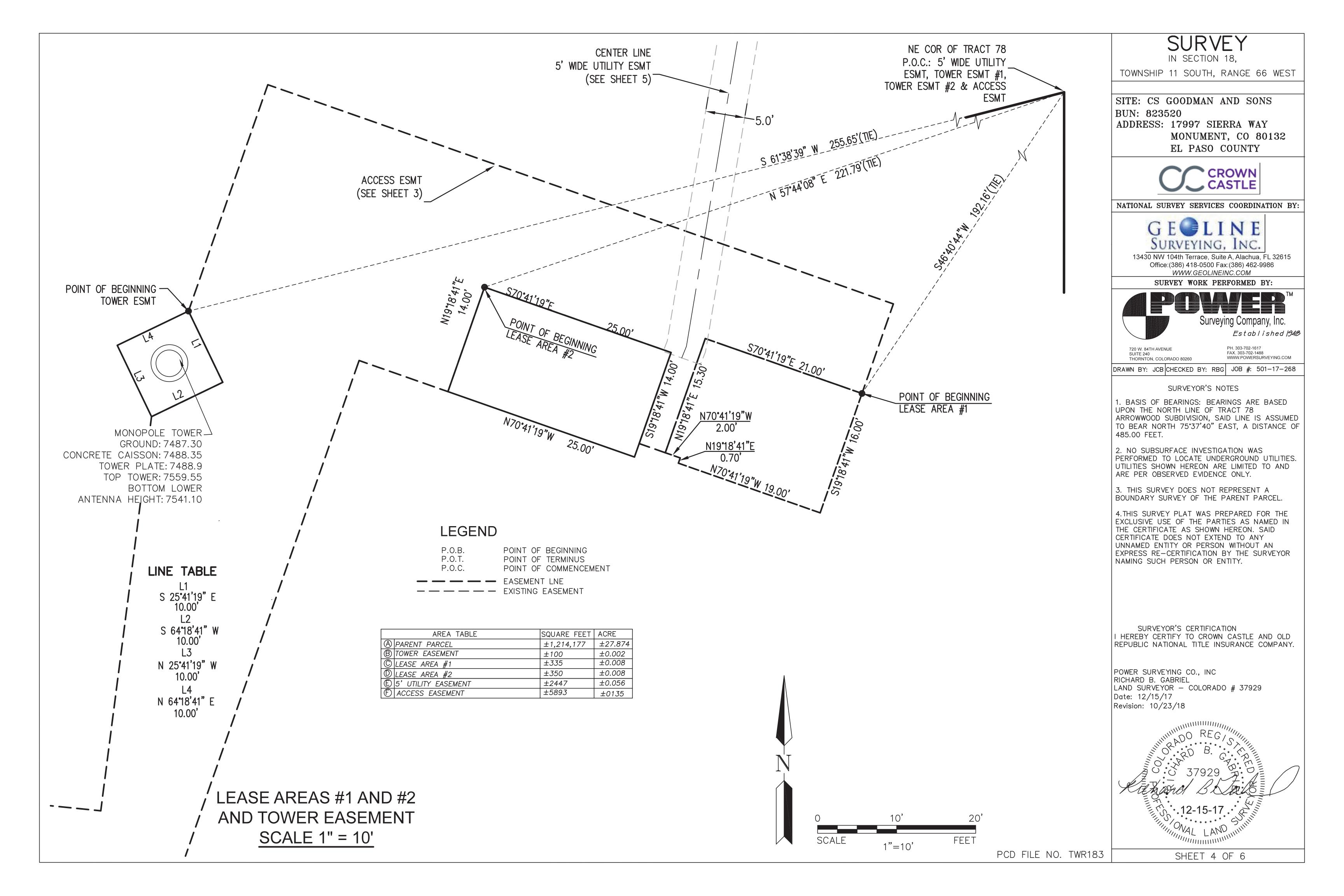
SURVEYOR'S CERTIFICATION
I HEREBY CERTIFY TO CROWN CASTLE AND OLD
REPUBLIC NATIONAL TITLE INSURANCE COMPANY.

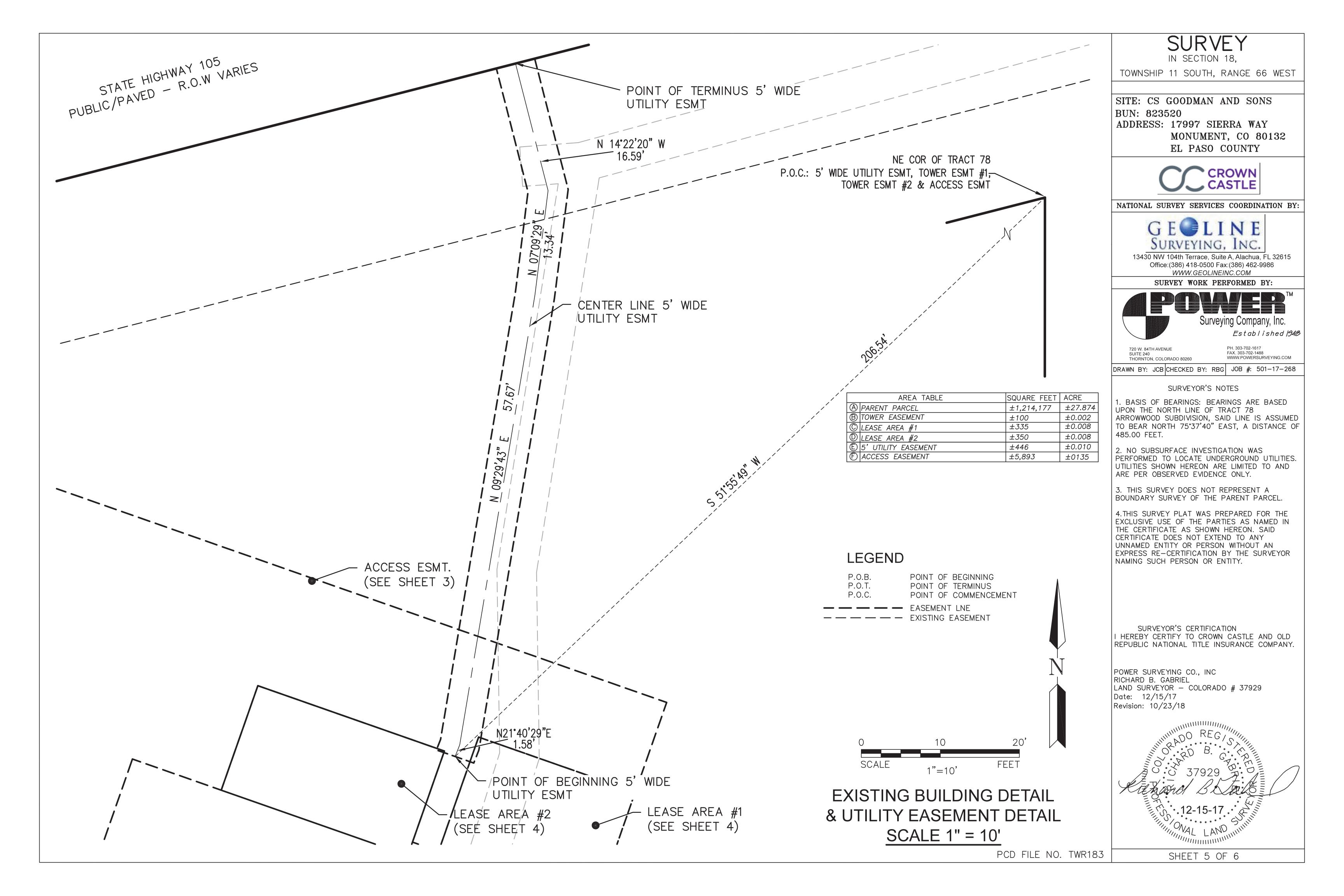
POWER SURVEYING CO., INC RICHARD B. GABRIEL LAND SURVEYOR — COLORADO # 37929 Date: 12/15/17 Revision: 10/23/18











PARCEL OWNERSHIP

OWNER: ROBERT J BOILEAU III KIMBERLY L BOILEAU PARCEL NO. 6118009003

PARENT PARCEL DESCRIPTION

(THE FOLLOWING LEGAL DESCRIPTION IS THE SAME AS THAT IN OLD REPUBLIC TITLE INSURANCE COMPANY'S COMMITMENT NO. 01-17068604-01S, EFFECTIVE SEPTEMBER 18, 2017)

TRACT 78, ARROWWOOD SUBDIVISION NO 2, EL PASO COUNTY, COLORADO ACCORDING TO THE PLAT THEREFORE RECORDED ON PLAT BOOK A-2 AT PAGE 66.

ALSO KNOWN AS 17995 SIERRA WAY, MONUMENT, CO 80132

SCHEDULE B-II EXCEPTIONS

(THE FOLLOWING SCHEDULE B-II EXCEPTIONS ARE THE SAME AS THOSE IN OLD REPUBLIC TITLE INSURANCE COMPANY'S OWNERSHIP AND ENCUMBRANCE REPORT NO. 01-17068604-01S, EFFECTIVE SEPTEMBER 18, 2017, ITEM NUMBER 1 IS NON-SURVEY RELATED AND NOT ADDRESSED HEREON)

(2) ARROWWOOD PLAT MAP, AS RECORDED IN PLAT BOOK A2, PAGE(S) 66 OF EL PASO COUNTY RECORDS.

AFFECTS SUBJECT PROPERTY, PLOTTED AND SHOWN HEREON.

(3) CO-LOCATION DOCUMENT, RECORDED 10/27/2005, AS INSTRUMENT NO. 205172071 OF EL PASO COUNTY RECORDS.

AFFECTS SUBJECT PROPERTY. NOT PLOTTED AND SHOWN HEREON AS THE CLIENT REQUESTED ALL LEASES AND EASEMENTS BE REVISED AND RE-WRITTEN.

(4) MEMORANDUM OF LEASE BY AND BETWEEN ROBERT J. BOILEAU, III AND KIMBERLY L. BOILEAU, LESSOR(S) AND NEW CINGULAR WIRELESS PCS, LLC, LESSEE(S), RECORDED 08/28/2012, AS INSTRUMENT NO. 212100008 OF THE EL PASO COUNTY RECORDS.

NO DOCUMENT PROVIDED FOR REVIEW.

(5) MEMORANDUM OF MASTER PREPAID LEASE AND MANAGEMENT AGREEMENT BY AND BETWEEN TMOBILE WEST TOWER LLC, A DELAWARE LIMITED LIABILITY COMPANY, LESSOR, AND CCTMO LLC, A DELAWARE LIMITED LIABILITY COMPANY, LESSEE, RECORDED 08/29/2013, AS INSTRUMENT NO. 213110878 OF THE EL PASO COUNTY RECORDS.

AFFECTS SUBJECT PROPERTY, PLOTTED AND SHOWN HEREON.

(6) MEMORANDUM OF LEASE BY AND BETWEEN ROBERT J. BOILEAU, III AND KIMBERLY L. BOILEAU, LANDLORD, AND NEW CINGULAR WIRELESS PCS, LLC, A DELAWARE LIMITED LIABILITY COMPANY, TENANT, RECORDED, 11/25/2013, AS INSTRUMENT NO. 213142285 OF THE EL PASO COUNTY RECORDS.

AFFECTS SUBJECT PROPERTY. NOT PLOTTED AND SHOWN HEREON AS THE CLIENT REQUESTED THE LEASES AND EASEMENTS BE REVISED AND RE-WRITTEN.

ACCESS EASEMENT DESCRIPTION

(CREATED BY THIS OFFICE)

A PORTION OF TRACT 78 OF ARROWWOOD SUBDIVISION NO. 2, LYING WITHIN THE EAST HALF (E1/2) OF SECTION 18, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, AND BEING MORE DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID TRACT 78, FROM WHENCE THE NORTHWEST CORNER OF SAID TRACT 78 BEARS SOUTH 75°37'40" WEST A DISTANCE OF 485.28 FEET, WITH ALL BEARINGS HEREIN RELATED THERETO;

THENCE SOUTH 75°37'40" WEST ALONG THE NORTH LINE OF SAID TRACT 78, A DISTANCE OF 485.28 FEET; THENCE SOUTH 00°02'30" WEST ALONG THE WEST LINE OF SAID TRACT 78, A DISTANCE OF

41.01 FEET TO THE POINT OF BEGINNING.

THENCE DEPARTING SAID WEST LINE, SOUTH 84°55'20" EAST A DISTANCE OF 41.59 FEET; THENCE SOUTH 84°13'36" EAST A DISTANCE OF 193.60 FEET;

THENCE NORTH 07°20'08" EAST A DISTANCE OF 50.27 FEET; THENCE NORTH 64°18'41" EAST A DISTANCE OF 10.00 FEET:

THENCE NORTH 64°18'41" EAST A DISTANCE OF 10.00 FEET; THENCE NORTH 25°41'19" WEST A DISTANCE OF 10.00 FEET:

THENCE NORTH 19°18'41" EAST A DISTANCE OF 30.34 FEET; THENCE SOUTH 70°41'19" EAST A DISTANCE OF 83.83 FEET;

THENCE SOUTH 19°18'41" WEST A DISTANCE OF 12.00 FEET;
THENCE SOUTH 70°41'19" EAST A DISTANCE OF 21.00 FEET;

THENCE SOUTH 19°18'41" WEST A DISTANCE OF 15.30 FEET; THENCE NORTH 70°41'19" WEST A DISTANCE OF 3.50 FEET; THENCE SOUTH 19°18'41" WEST A DISTANCE OF 12.20 FEET;

THENCE NORTH 70°41'19" WEST A DISTANCE OF 25.00 FEET; THENCE SOUTH 19°18'41" WEST A DISTANCE OF 14.00 FEET:

THENCE NORTH 70°41′19" WEST A DISTANCE OF 11.90 FEET; THENCE SOUTH 19°18′41" WEST A DISTANCE OF 74.00 FEET;

THENCE SOUTH 19°18'41" WEST A DISTANCE OF 74.00 FEET; THENCE NORTH 84°13'36" WEST A DISTANCE OF 202.24 FEET; THENCE SOUTH 88°21'59" WEST A DISTANCE OF 41.06 FEET;

THENCE NORTH 00°02'30" EAST A DISTANCE OF 16.87 FEET TO THE POINT OF BEGINNING.

CONTAINING ±5,893 SQUARE FEET OR ±0.135 ACRES MORE OR LESS

LEASE AREA #1 DESCRIPTION

(CREATED BY THIS OFFICE)

A PORTION OF TRACT 78 OF ARROWWOOD SUBDIVISION NO. 2, LYING WITHIN THE EAST HALF (E 1/2) OF SECTION 18, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID TRACT 78, FROM WHENCE THE NORTHWEST CORNER OF SAID TRACT 78 BEARS SOUTH 75 37'40" WEST A DISTANCE OF 485.28 FEET, WITH ALL BEARINGS HEREIN RELATED THERETO; THENCE SOUTH 48°42'36" WEST, 192.16 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 19°18'41" WEST, A DISTANCE OF 16.00 FEET TO A POINT; THENCE NORTH 70°41'19" WEST, A DISTANCE OF 19.00 FEET TO A POINT; THENCE NORTH 19°18'41" EAST, A DISTANCE OF 0.70 FEET TO A POINT; THENCE NORTH 70°41'19" WEST, A DISTANCE OF 2.00 FEET TO A POINT; THENCE NORTH 19°18'41" EAST, A DISTANCE OF 15.30 FEET TO A POINT; THENCE SOUTH 70°41'19" EAST, A DISTANCE OF 21.00 FEET TO THE POINT OF REGINNING

CONTAINING ±335 SQUARE FEET OR ±0.008 ACRES OF LAND, MORE OR LESS.

LEASE AREA #2 DESCRIPTION

(CREATED BY THIS OFFICE)

A PORTION OF TRACT 78 OF ARROWWOOD SUBDIVISION NO. 2, LYING WITHIN THE EAST HALF (E 1/2) OF SECTION 18, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID TRACT 78, FROM WHENCE THE NORTHWEST CORNER OF SAID TRACT 78 BEARS SOUTH 75°37'40" WEST A DISTANCE OF 485.28 FEET, WITH ALL BEARINGS HEREIN RELATED THERETO; THENCE SOUTH 57°44'08" WEST, 221.79 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 70°41'19" EAST, A DISTANCE OF 25.00 FEET TO A POINT; THENCE SOUTH 19°18'41" WEST, A DISTANCE OF 14.00 FEET TO A POINT; THENCE NORTH 70°41'19" WEST, A DISTANCE OF 25.00 FEET TO A POINT; THENCE NORTH 19°18'41" EAST, A DISTANCE OF 14.00 FEET TO THE POINT OF BEGINNING.

CONTAINING ±350 SQUARE FEET OR ±0.008 ACRES OF LAND, MORE OR LESS.

5' UTILITY EASEMENT DESCRIPTION

(CREATED BY THIS OFFICE)

A PORTION OF TRACT 78 OF ARROWWOOD SUBDIVISION NO. 2, LYING WITHIN THE EAST HALF (E 1/2) OF SECTION 18, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, AND BEING A 5-FOOT WIDE STRIP OF LAND LYING 2.5 FEET ON EITHER SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

COMMENCING AT THE NORTHEAST CORNER OF SAID TRACT 78, FROM WHENCE THE NORTHWEST CORNER OF SAID TRACT 78 BEARS SOUTH 75°37'40" WEST A DISTANCE OF 485.28 FEET, WITH ALL BEARINGS HEREIN RELATED THERETO; THENCE SOUTH 51°55'49" WEST, A DISTANCE OF 206.54 FEET TO THE POINT OF BEGINNING:

THENCE NORTH 21°40'29" EAST, A DISTANCE OF 1.58 FEET TO A POINT; THENCE NORTH 09°29'43" EAST, A DISTANCE OF 57.67 FEET TO A POINT; THENCE NORTH 07°09'29" EAST, A DISTANCE OF 13.34 FEET TO A POINT; THENCE NORTH 14°22'20" WEST, A DISTANCE OF 16.59 FEET TO A POINT ON THE SOUTH RIGHT OR WAY LINE OF STATE HIGHWAY 50, THE NORTH LINE OF SAID TRACT 78 AND THE POINT OF TERMINUS.

THE SIDELINES OF SAID EASEMENT SHALL BE MADE TO EXTEND TO OR TRIM TO THE BOUNDARY OF SAID STATE HIGHWAY.

CONTAINING ±446 SQ. FEET OR ±0.010 ACRES OF LAND, MORE OR LESS.

TOWER EASEMENT

(CREATED BY THIS OFFICE)

A PORTION OF TRACT 78 OF ARROWWOOD SUBDIVISION NO. 2, LYING WITHIN THE EAST HALF (E 1/2) OF SECTION 18, TOWNSHIP 11 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID TRACT 78, FROM WHENCE THE NORTHWEST CORNER OF SAID TRACT 78 BEARS SOUTH 75°37'40" WEST A DISTANCE OF 485.28 FEET, WITH ALL BEARINGS HEREIN RELATED THERETO; THENCE SOUTH 61°38'39" WEST, 255.65 FEET TO THE POINT OF BEGINNING:

THENCE SOUTH 25°41'19" EAST, A DISTANCE OF 10.00 FEET TO A POINT;
THENCE SOUTH 64°18'41" WEST, A DISTANCE OF 10.00 FEET TO A POINT;

THENCE NORTH 25°41'19" WEST, A DISTANCE OF 10.00 FEET TO A POINT;

THENCE NORTH 64°18'41" EAST, A DISTANCE OF 10.00 FEET TO THE POINT OF BEGINNING;

CONTAINING ± 100 SQUARE FEET OR ± 0.002 ACRES OF LAND, MORE OR LESS.

SURVEY IN SECTION 18,

TOWNSHIP 11 SOUTH, RANGE 66 WEST

SITE: CS GOODMAN AND SONS

BUN: 823520

ADDRESS: 17997 SIERRA WAY
MONUMENT, CO 80132
EL PASO COUNTY



NATIONAL SURVEY SERVICES COORDINATION BY:



13430 NW 104th Terrace, Suite A, Alachua, FL 32615 Office:(386) 418-0500 Fax:(386) 462-9986 WWW.GEOLINEINC.COM SURVEY WORK PERFORMED BY:



720 W. 84TH AVENUE SUITE 240 PH. 303-702-1617 FAX. 303-702-1488 WWW.POWERSURVEYING.COM

DRAWN BY: JCB CHECKED BY: RBG JOB #: 501-17-268

SURVEYOR'S NOTES

1. BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH LINE OF TRACT 78 ARROWWOOD SUBDIVISION, SAID LINE IS ASSUMED TO BEAR NORTH 75°37'40" EAST, A DISTANCE OF 485.00 FEET.

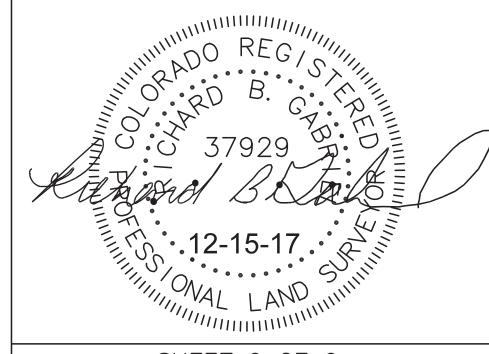
2. NO SUBSURFACE INVESTIGATION WAS PERFORMED TO LOCATE UNDERGROUND UTILITIES. UTILITIES SHOWN HEREON ARE LIMITED TO AND ARE PER OBSERVED EVIDENCE ONLY.

3. THIS SURVEY DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL.

4.THIS SURVEY PLAT WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTIES AS NAMED IN THE CERTIFICATE AS SHOWN HEREON. SAID CERTIFICATE DOES NOT EXTEND TO ANY UNNAMED ENTITY OR PERSON WITHOUT AN EXPRESS RE-CERTIFICATION BY THE SURVEYOR NAMING SUCH PERSON OR ENTITY.

SURVEYOR'S CERTIFICATION
I HEREBY CERTIFY TO CROWN CASTLE AND OLD
REPUBLIC NATIONAL TITLE INSURANCE COMPANY.

POWER SURVEYING CO., INC RICHARD B. GABRIEL LAND SURVEYOR — COLORADO # 37929 Date: 12/15/17 Revision: 10/23/18



PCD FILE NO. TWR183

SHEET 6 OF 6

