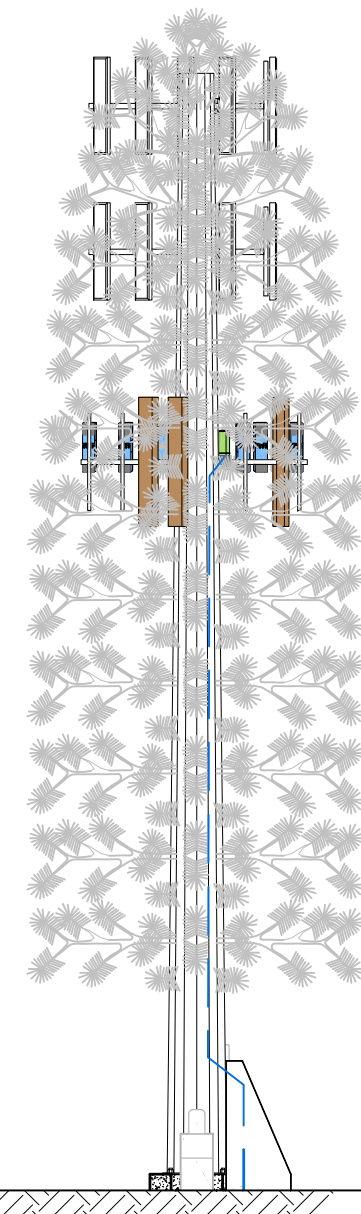
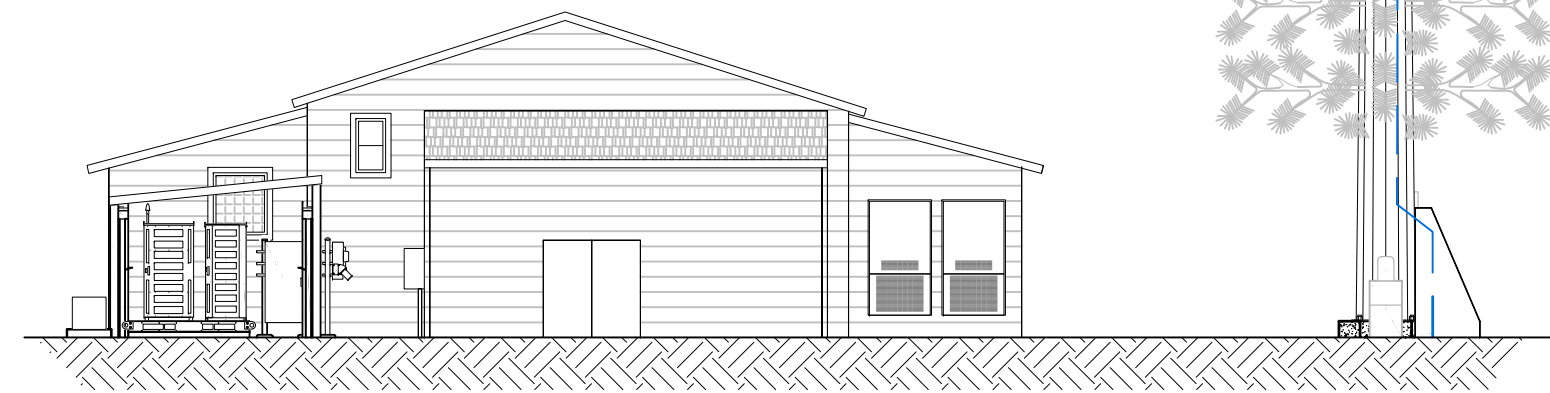


EXISTING WALL HATCH NEW WORK/ UTILITY EASEMENT ACCESS/UTILITY EASEMENT HYBRID CABLES/DC POWER FIBER ANTENNAS RR/IBBU LEASE AREA EXISTING EASEMENT PENETRATIONS



CSP SCAREBROOK
PROJECT NO. 20171683945
PUBLIC RECORD PARCEL NO. 6118009003
CROWN CASTLE SITE ID: 823520
CROWN CASTLE SITE NAME: CS GOODMAN AND SONS
17997 SIERRA WAY
MONUMENT, COLORADO 80132
EL PASO COUNTY
EXISTING 68'-0" MONOPINE
(OVERALL HEIGHT: 73'-0" A.G.L.)
COLLOCATION COMMUNICATION SITE

BUILDING CODE SUMMARY:
 ALL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING APPLICABLE CODES:

USED	Code Year / Type: (ORDINANCE)
X	2009 INTERNATIONAL BUILDING CODE (IBC)
X	2009 UNIFORM PLUMBING CODE (W/O CHAP. 13) (UPC)
X	2009 INTERNATIONAL FUEL GAS CODE (IFGC)
X	2009 INTERNATIONAL RESIDENTIAL CODE (IRC)
X	2009 INTERNATIONAL MECHANICAL CODE
X	2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
X	2009 INTERNATIONAL FIRE CODE (IFC)
X	2008 NATIONAL ELECTRICAL CODE (NEC)

REFER TO BUILDING PERMIT DOCUMENTS AND ALL CONSTRUCTION DOCUMENTS FOR ADDITIONAL CODE REQUIREMENTS.



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SHEET INDEX

SHEET	TITLE	REV.
T1	TITLE SHEET	0
SP1	SPECIFICATION & PHOTO SHEET	0
1 OF 6	SITE SURVEY	-
2 OF 6	SITE SURVEY	-
3 OF 6	SITE SURVEY	-
4 OF 6	SITE SURVEY	-
5 OF 6	SITE SURVEY	-
6 OF 6	SITE SURVEY	-
Z1	SITE PLAN & SETBACK SITE PLAN	0
Z2	ENLARGED SITE PLAN & EQUIPMENT LAYOUT PLAN	0
Z3	ELEVATION	0
Z4	ELEVATION	0
TC1	FIBER COORDINATION SITE PLAN	0
RF1	ANTENNA INFORMATION & RRH HYBRID CABLE DIAGRAM & CHART	0

PROJECT INDEX:
APPLICANT/CLIENT:
 VERIZON
 CONSTRUCTION DEPARTMENT
 3131 VAUGHN WAY, SUITE 550
 AURORA, COLORADO 80014
CONTACT: JASON SHELLDY
 CELL: 970-646-1283
 FAX: 303-873-2684
ENGINEERS/DESIGNERS:
 J5 INFRASTRUCTURE PARTNERS
 1745 SHEA CENTER DR. 4TH FLOOR
 HIGHLANDS RANCH, CO 80129
CONTACT: AARON ZAJICEK
 PHONE: 303-683-3194 EXT. 154
APPLICANT/CLIENT:
 J5 INFRASTRUCTURE PARTNERS
 1745 SHEA CENTER DR. 4TH FLOOR
 HIGHLANDS RANCH, COLORADO 80129
CONTACT: LANCE BLEYHL
 PHONE: 720-201-7385

GENERAL PROJECT NOTES:

- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE SCOPE OF WORK AND ALL CONDITIONS AFFECTING THE PROPOSED PROJECT.
- CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS OF THE JOB SITE AND CONFIRM THAT WORK AS INDICATED ON THESE CONSTRUCTION DOCUMENTS CAN BE ACCOMPLISHED AS SHOWN PRIOR TO COMMENCEMENT OF ANY WORK.
- ALL FIELD MODIFICATIONS BEFORE, DURING, OR AFTER CONSTRUCTION SHALL BE APPROVED IN WRITING BY A VERIZON REPRESENTATIVE.
- INSTALL ALL EQUIPMENT AND MATERIALS PER THE MANUFACTURER'S RECOMMENDATIONS, UNLESS INDICATED OTHERWISE.
- NOTIFY VERIZON, IN WRITING, OF ANY MAJOR DISCREPANCIES REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM A VERIZON REPRESENTATIVE AND ADJUSTING THE BID ACCORDINGLY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK UNDER THE CONTRACT.
- CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS AND FINISHES THAT ARE TO REMAIN. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY OCCUR DURING THE CONSTRUCTION TO THE SATISFACTION OF A VERIZON REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR RED-LINING THE CONSTRUCTION PLANS TO ILLUSTRATE THE AS-BUILT CONDITION OF THE SITE. FOLLOWING THE FINAL INSPECTION BY VERIZON, THE CONTRACTOR SHALL PROVIDE VERIZON WITH ONE COPY OF ALL RED-LINED DRAWINGS.
- VERIFY ALL FINAL EQUIPMENT WITH A VERIZON REPRESENTATIVE. ALL EQUIPMENT LAYOUT, SPECS, PERFORMANCE INSTALLATION AND THEIR FINAL LOCATION ARE TO BE APPROVED BY VERIZON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS/HER WORK WITH THE WORK AND CLEARANCES REQUIRED BY OTHERS RELATED TO SAID INSTALLATIONS.

PROJECT INFORMATION:

OWNER: ROBERT & KIMBERLY BOILEAU
 17995 SIERRA WAY
 MONUMENT, COLORADO 80132
CONTACT: ROBERT & KIMBERLY BOILEAU
 CROWN CASTLE
 116 INVERNESS DRIVE EAST, STE 280
 ENGLEWOOD, COLORADO 80112
CONTACT: ANDREW SILVERNAIL
 PHONE: 480-734-2415

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
CONTACT: LEN KENDELL PHONE: 719-520-6447

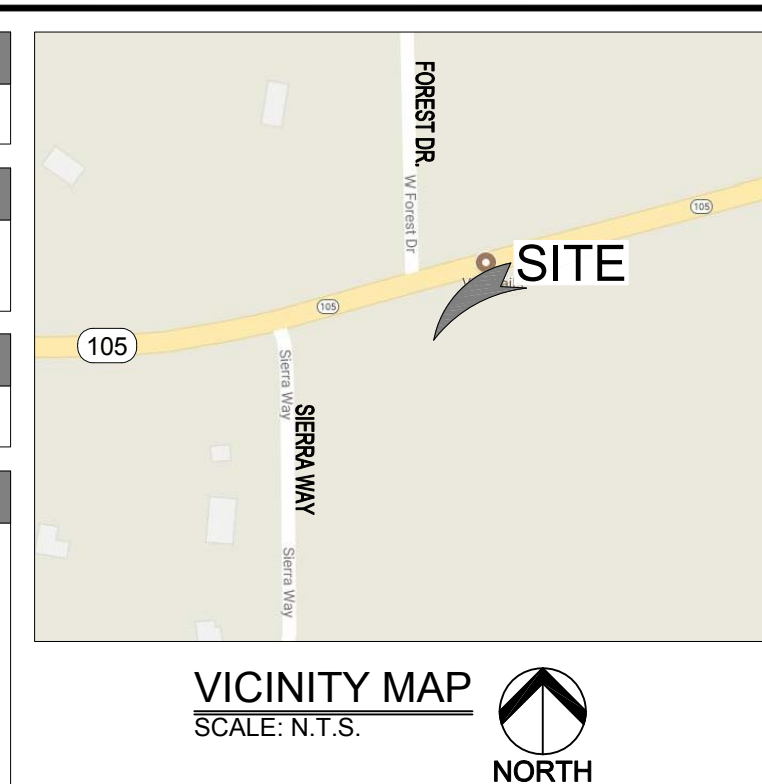
PUBLIC RECORD PARCEL NO.: 6118009003

FCC COMPLIANCE:
 RADIATION FROM THIS FACILITY WILL NOT INTERFERE WITH OPERATION OF OTHER COMMUNICATION DEVICES.

ADA COMPLIANCE:
 THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. LANDINGS AND EXITS SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES.

ABBREVIATED LEGAL DESCRIPTION:
 TRACT 78, ARROWWOOD SUBDIVISION NO 2, EL PASO COUNTY, COLORADO

PROJECT DESCRIPTION:
 THIS PROJECT CONSISTS OF THE FOLLOWING:
INSTALLATION
 • NEW GALVANIZED DOGHOUSE
 • THREE (3) NEW 4" PVC CONDUIT PIPES
 • THREE (3) NEW SECTOR FRAMES
 • ONE (1) NEW COMMSCOPE RBA72-36 CABINET MOUNTED ON GALVANIZED COMMSCOPE PLATFORM
 • ONE (1) NEW COMMSCOPE RBA72-30 CABINET MOUNTED ON GALVANIZED COMMSCOPE PLATFORM
 • ONE (1) NEW MANUFACTURED GALVANIZED PLINTH FOR EQUIPMENT CABINETS MOUNTED TO CONCRETE PAD
 • TWO (2) NEW MAIN OVP UNITS
 • TWELVE (12) NEW RRH UNITS
 • TWO (2) NEW LOW INDUCTANCE HYBRID CABLES
 • NEW 'Trex' FENCE ENCLOSURE WITH 'Trex' GATE
 • SIX (6) NEW PANEL ANTENNAS



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 ONTO SIERRA WAY FOR 33 FT. SITE LOCATED EAST OF SIERRA WAY.

DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
 AURORA, COLORADO 80014

DESIGNED BY:

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

PROJECT NAME: **CSP SCAREBROOK**
EXISTING 68'-0" MONOPINE
(OVERALL HEIGHT: 73'-0" A.G.L.)
COLLOCATION COMMUNICATION SITE

PROJECT ADDRESS: **17997 SIERRA WAY**
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE: **TITLE SHEET**

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

SAVE DATE: 8/28/2018 9:03 AM SHEET NUMBER: T1

Add PCD File No. TWR183

EXISTING
 WALL HATCH
 NEW WORK/ UTILITY EASEMENT
 ACCESS/UTILITY EASEMENT
 HYBRID CABLE/COAX
 DC POWER
 FIBER
 ANTENNAS
 RR/HBBU
 LEASE AREA
 EXISTING EASEMENT
 PENETRATIONS

GENERAL PROJECT NOTES:

- CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY BARRIERS AND REPAIR ALL DAMAGE TO PROPERTY ON THE SITE CAUSED BY THIS CONSTRUCTION. THE COST OF REPAIR IS THE CONTRACTOR'S 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 FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
- 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 CONSTITUTE A LEGAL BOUNDARY SURVEY.
- 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 SECTION.)

GENERAL CONTRACTOR NOTES:

- 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 2009, ASCE 7-10, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" & ANSI TIA-222-G "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS".

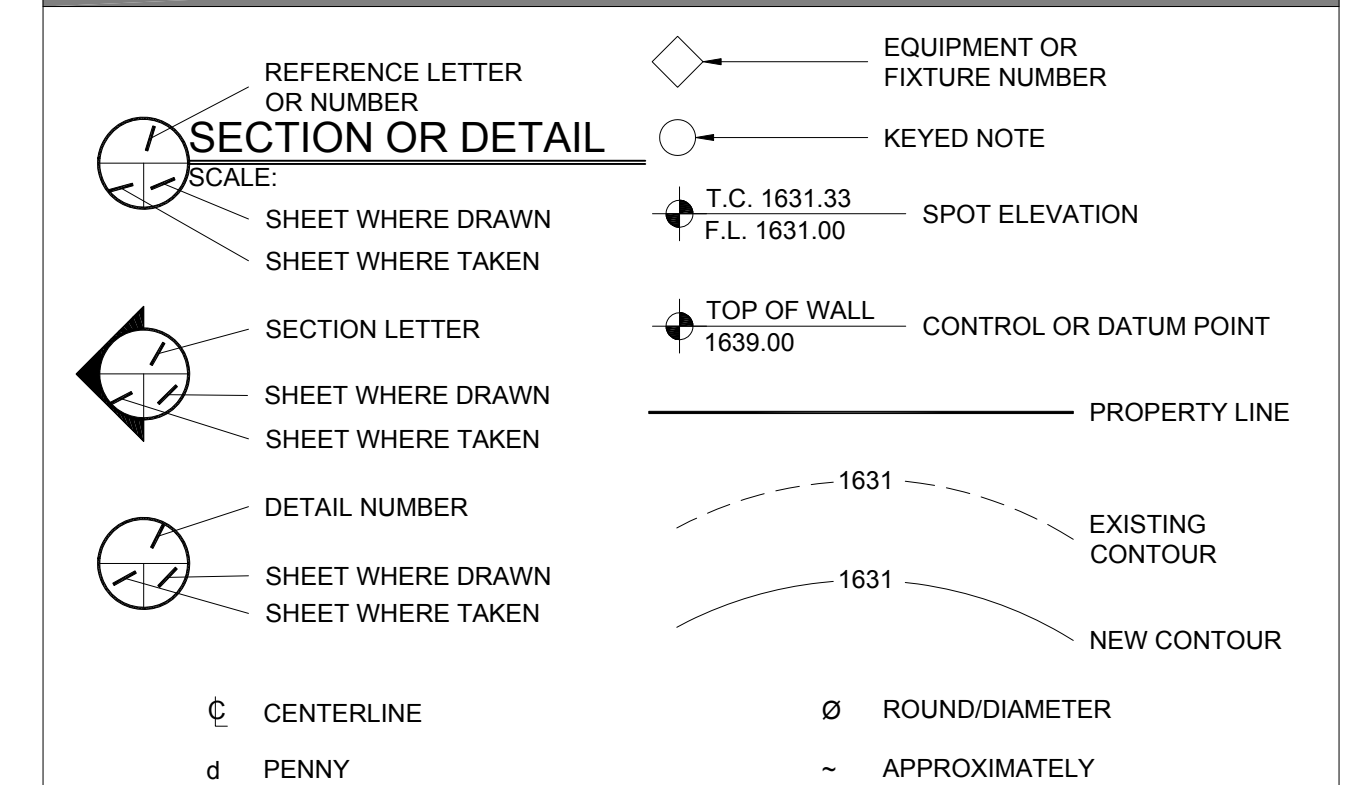
BUILDING STRUCTURES:

- WIND LOADS: IBC 2009 §1609 & ASCE 7-10 §28.4 (SIMPLIFIED METHOD)
 $V_{ult} = 105$ MPH
 OCCUPANCY CAT. = II; EXPOSURE CAT. = C; IMPORTANCE FACTOR = 1.0
- SEISMIC LOADS: IBC 2009 §1613 & ASCE 7-10 §12.14 (SIMPLIFIED METHOD)
 OCCUPANCY CAT. = II; SITE CLASS = D
 $V = F(Sps)W$
 R
 $F = 1.0$ (SINGLE-STORY), 1.1 (TWO STORY), 1.2 (THREE STORY)
 $Sps = (2/3) Sms$
 $R = 1.5$ (ORDINARY PLAIN CONCRETE SHEARWALLS),
 6.5 (LIGHT-FRAMED WALLS W/ WOOD STRUCTURAL PANELS),
 4.0 (ORDINARY REINFORCED CONCRETE SHEARWALLS)

COMMUNICATION STRUCTURES:

- WIND LOADS: IBC 2009 §1609, ASCE 7-10 §29.5 & ANSI TIA-222-G
 $V_{ult} = 120$ MPH (3-SEC. GUST)
 $V = 50$ MPH (0" RADIAL ICE)
 STRUCTURE CLASS. = II; EXPOSURE CAT. = C; IMPORTANCE FACTOR = 1.0
- SEISMIC LOADS: IBC 2009 §1613, ASCE 7-10 §15.6.6 & ANSI TIA-222-G
STRUCT. CLASS. = II; OCC. CAT. = II; SITE CLASS = D; IMPORTANCE FACTOR = 1.0
 $V = Sds(W)$ (EQUIVALENT LATERAL FORCE PROCEDURE (METHOD 1))
 R
 $V = Ssz(Wz)$ (EQUIVALENT MODAL ANALYSIS PROCEDURE (METHOD 2))
 R

LEGEND OF SYMBOLS:



PROPOSED WORK COLOR LEGEND

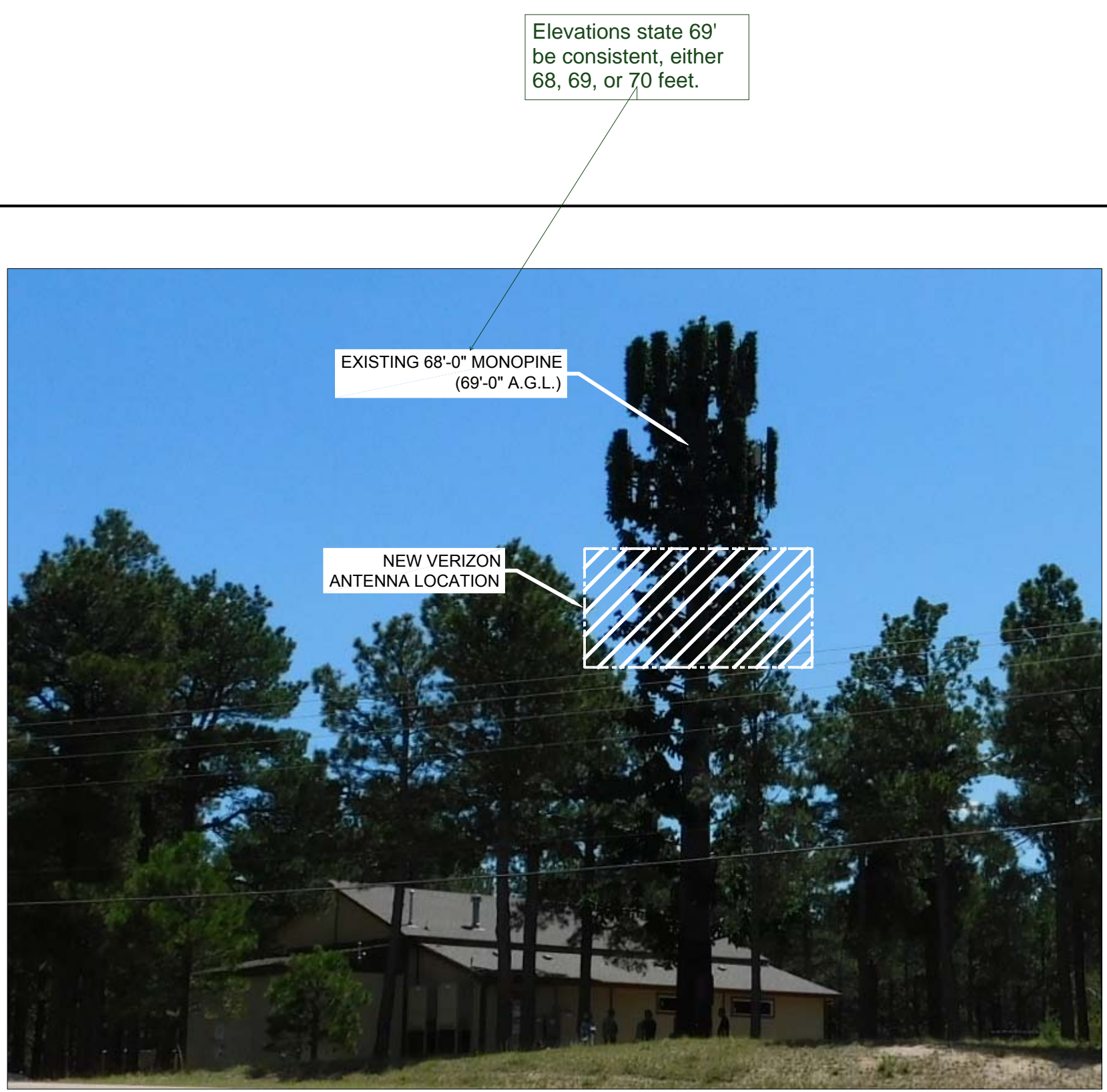
HYBRID & COAX CABLES	
DC POWER	
FIBER	
ANTENNAS	
PENETRATIONS	
RR/HBBU	
EXISTING EASEMENT	
LEASE AREA	
ACCESS/UTILITY EASEMENT	
NEW WORK/UTILITY EASEMENT	
WALL HATCH	
EXISTING	



VIEW OF NEW LEASE AREA
(LOOKING NORTHEAST)



VIEW OF NEW LEASE AREA
(LOOKING NORTH)



VIEW OF NEW ANTENNA LOCATION
(LOOKING SOUTHEAST)

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DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
AURORA, COLORADO 80014

DESIGNED BY:

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

PROJECT NAME: CSP SCAREBROOK
 EXISTING 68'-0" MONOPINE
 (OVERALL HEIGHT: 73'-0" A.G.L.)
 COLLOCATION COMMUNICATION SITE

PROJECT ADDRESS: 17997 SIERRA WAY
 MONUMENT, COLORADO 80132
 EL PASO COUNTY

SHEET TITLE: SPECIFICATION & PHOTO SHEET

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

PARCEL OWNERSHIP

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

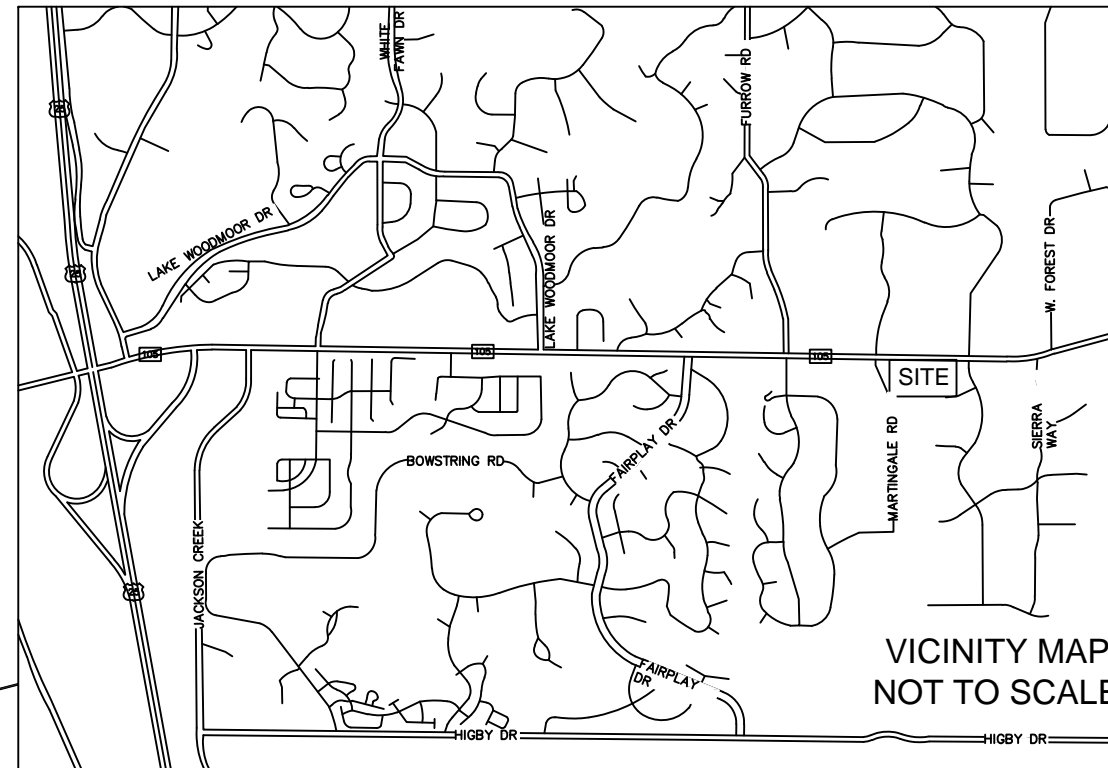
ZONING DESIGNATION

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

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
Ⓐ PARENT PARCEL	±1,214,177	±27.874
Ⓑ TOWER EASEMENT	±100	±0.002
Ⓒ LEASE AREA #1	±335	±0.008
Ⓓ LEASE AREA #2	±350	±0.008
Ⓔ 5' UTILITY EASEMENT #2	±446	±0.010
Ⓕ ACCESS EASEMENT	±5893	±0.135



SURVEY PLAN

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 224 THORNTON, COLORADO 80260
 PH. 303-702-1617 FAX. 303-702-1488 WWW.POWERSURVEYING.COM

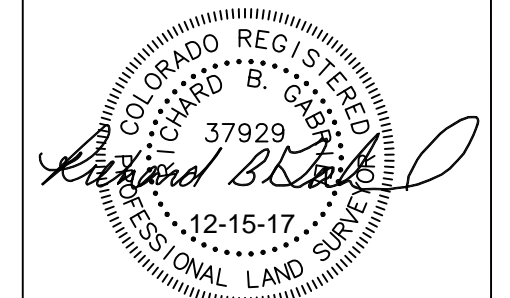
DRAWN BY: JCB CHECKED BY: RBG JOB #: 501-17-268

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.

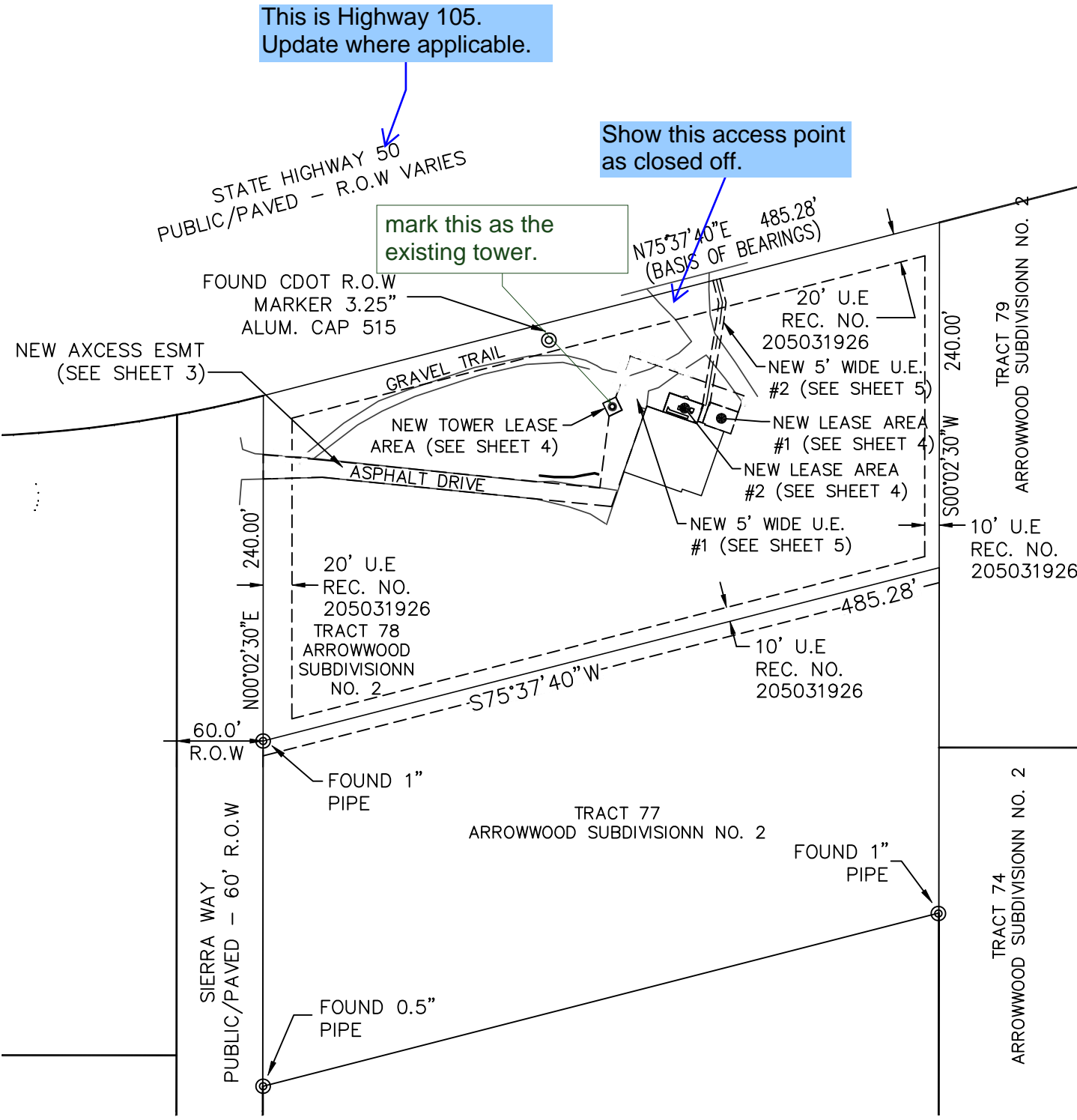
POWER SURVEYING CO., INC
 RICHARD B. GABRIEL
 LAND SURVEYOR - COLORADO # 37929
 Date: _____
 Revision: 7/19/18



This is Highway 105.
 Update where applicable.

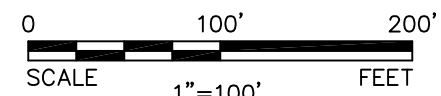
Show this access point
 as closed off.

mark this as the
 existing tower.



LEGEND

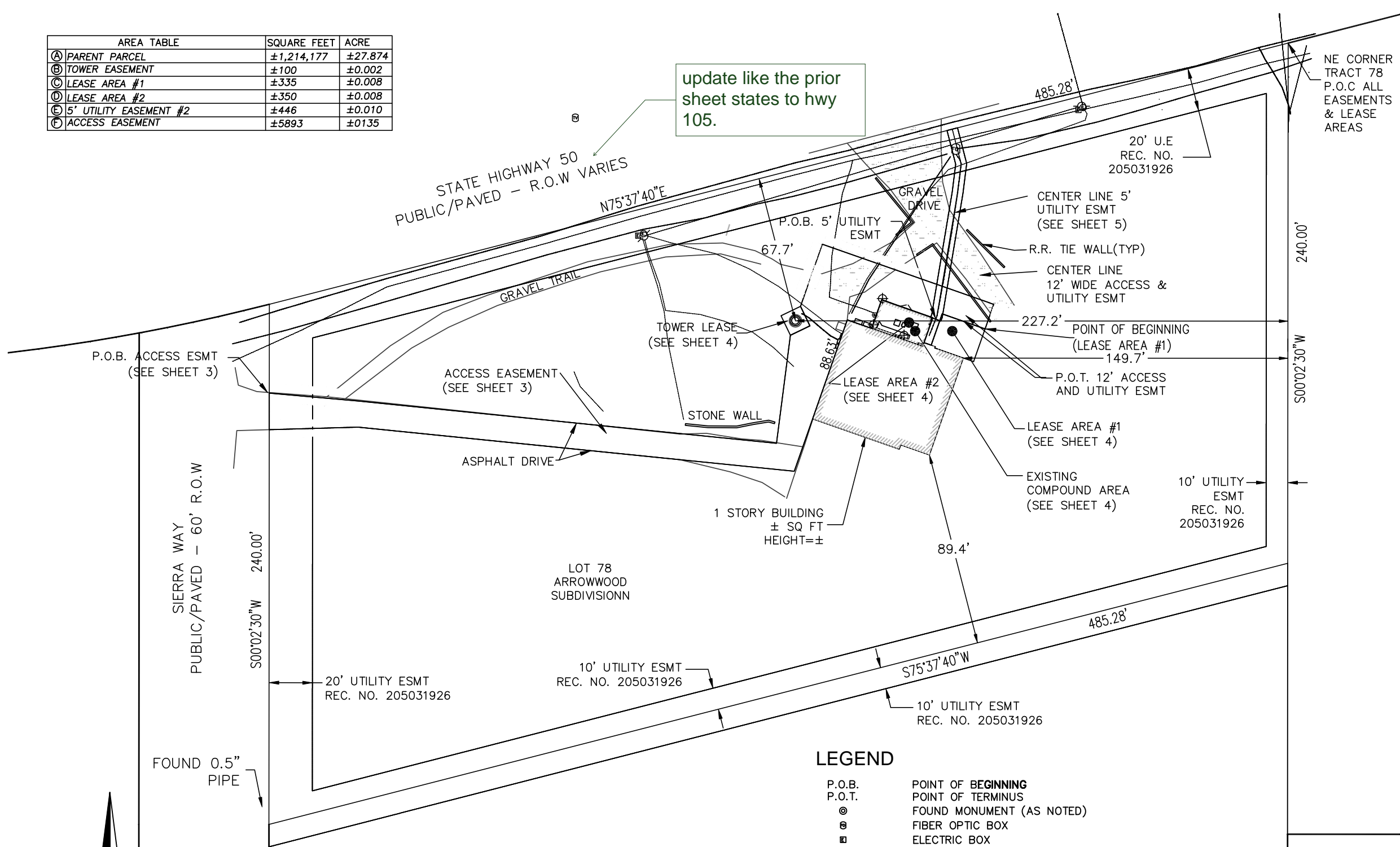
- P.O.B. POINT OF BEGINNING
- P.O.T. POINT OF TERMINUS
- ⊙ FOUND MONUMENT (AS NOTED)
- ⊠ FIBER OPTIC BOX
- ⊡ ELECTRIC BOX
- ⊞ ELECTRIC METER
- ⊕ TV PEDESTAL
- ⊘ UTILITY POLE
- ⊙ GAS METER
- U.E. UTILITY ESMT
- A/C AIR CONDITIONER
- CAB CABINET
- EB ELECTRICAL BOX
- ⊙ DECIDUOUS TREE
- EVERGREEN TREE
- DIRT/GRAVEL SURFACE
- BURIED TELEPHONE
- BURIED FIBER OPTIC
- BURIED GAS
- BURIED ELECTRIC
- OVERHEAD UTILITY LINE
- BURIED WATER



OVERALL PARENT PARCEL
 SCALE 1" = 100'

Add PCD
 File No.
 TWR183

AREA TABLE	SQUARE FEET	ACRE
Ⓐ PARENT PARCEL	±1,214,177	±27.874
Ⓑ TOWER EASEMENT	±100	±0.002
Ⓒ LEASE AREA #1	±335	±0.008
Ⓓ LEASE AREA #2	±350	±0.008
Ⓔ 5' UTILITY EASEMENT #2	±446	±0.010
Ⓕ ACCESS EASEMENT	±5893	±0.135



update like the prior sheet states to hwy 105.


SURVEY PLAN
 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 224 THORNTON, COLORADO 80260
 PH. 303-702-1617 FAX. 303-702-1488 WWW.POWERSURVEYING.COM

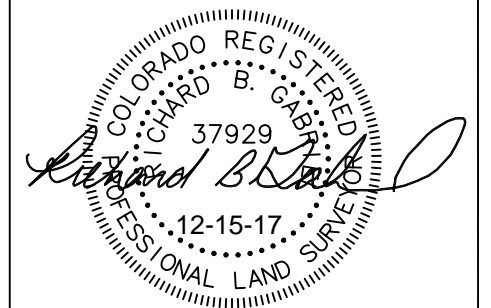
DRAWN BY: JCB CHECKED BY: RBG JOB #: 501-17-268

SURVEYOR'S NOTES

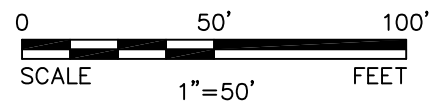
1. BASIS OF BEARINGS: BEARINGS ARE BASED UPON THE NORTH LINE OF TRACT 78 ARROWWOOD SUBDIVISION, SAID LINE IS ASSUMED TO BEAR NORTH 75°37'40" EAST, A DISTANCE OF 485.00 FEET.
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4. THIS SURVEY PLAT WAS PREPARED FOR THE EXCLUSIVE USE OF THE PARTIES AS NAMED 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: _____
 Revision: 7/19/18



- LEGEND**
- P.O.B. POINT OF BEGINNING
 - P.O.T. POINT OF TERMINUS
 - ⊙ FOUND MONUMENT (AS NOTED)
 - ⊠ FIBER OPTIC BOX
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 - ⊛ DECIDUOUS TREE
 - EVERGREEN TREE
 - ▨ DIRT/GRAVEL SURFACE
 - BURIED TELEPHONE
 - BURIED FIBER OPTIC
 - BURIED GAS
 - BURIED ELECTRIC
 - OVERHEAD UTILITY LINE
 - BURIED WATER



PARENT PARCEL DETAIL
SCALE 1" = 50'

SURVEY PLAN

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 224 THORNTON, COLORADO 80260 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 SAID 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: _____
Revision: 7/19/18

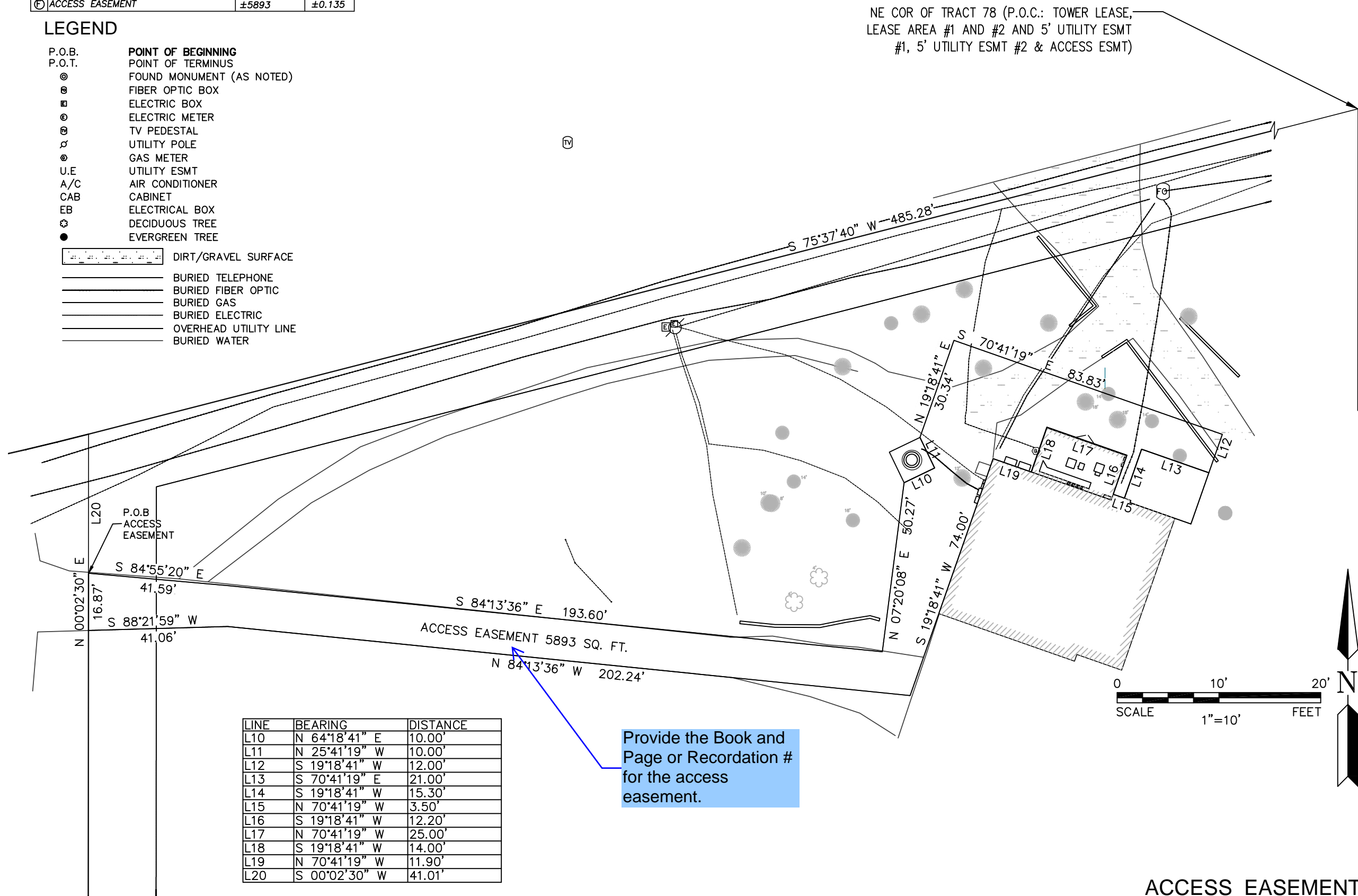


AREA TABLE	SQUARE FEET	ACRE
Ⓐ PARENT PARCEL	±1,214,177	±27.874
Ⓑ TOWER EASEMENT	±100	±0.002
Ⓒ LEASE AREA #1	±335	±0.008
Ⓓ LEASE AREA #2	±350	±0.008
Ⓔ 5' UTILITY EASEMENT #2	±446	±0.010
Ⓕ ACCESS EASEMENT	±5893	±0.135

LEGEND

- P.O.B. POINT OF BEGINNING
P.O.T. POINT OF TERMINUS
⊙ FOUND MONUMENT (AS NOTED)
⊙ FIBER OPTIC BOX
⊙ ELECTRIC BOX
⊙ ELECTRIC METER
⊙ TV PEDESTAL
⊙ UTILITY POLE
⊙ GAS METER
U.E. UTILITY ESMT
A/C AIR CONDITIONER
CAB CABINET
EB ELECTRICAL BOX
☼ DECIDUOUS TREE
● EVERGREEN TREE
- DIRT/GRAVEL SURFACE
--- BURIED TELEPHONE
--- BURIED FIBER OPTIC
--- BURIED GAS
--- BURIED ELECTRIC
--- OVERHEAD UTILITY LINE
--- BURIED WATER

NE COR OF TRACT 78 (P.O.C.: TOWER LEASE,
LEASE AREA #1 AND #2 AND 5' UTILITY ESMT
#1, 5' UTILITY ESMT #2 & ACCESS ESMT)



Provide the Book and Page or Recordation # for the access easement.

LINE	BEARING	DISTANCE
L10	N 64°18'41" E	10.00'
L11	N 25°41'19" W	10.00'
L12	S 19°18'41" W	12.00'
L13	S 70°41'19" E	21.00'
L14	S 19°18'41" W	15.30'
L15	N 70°41'19" W	3.50'
L16	S 19°18'41" W	12.20'
L17	N 70°41'19" W	25.00'
L18	S 19°18'41" W	14.00'
L19	N 70°41'19" W	11.90'
L20	S 00°02'30" W	41.01'

ACCESS EASEMENT
SCALE 1" = 10'

SURVEY PLAN

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 224 THORNTON, COLORADO 80260
PH. 303-702-1617 FAX. 303-702-1488 WWW.POWERSURVEYING.COM

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

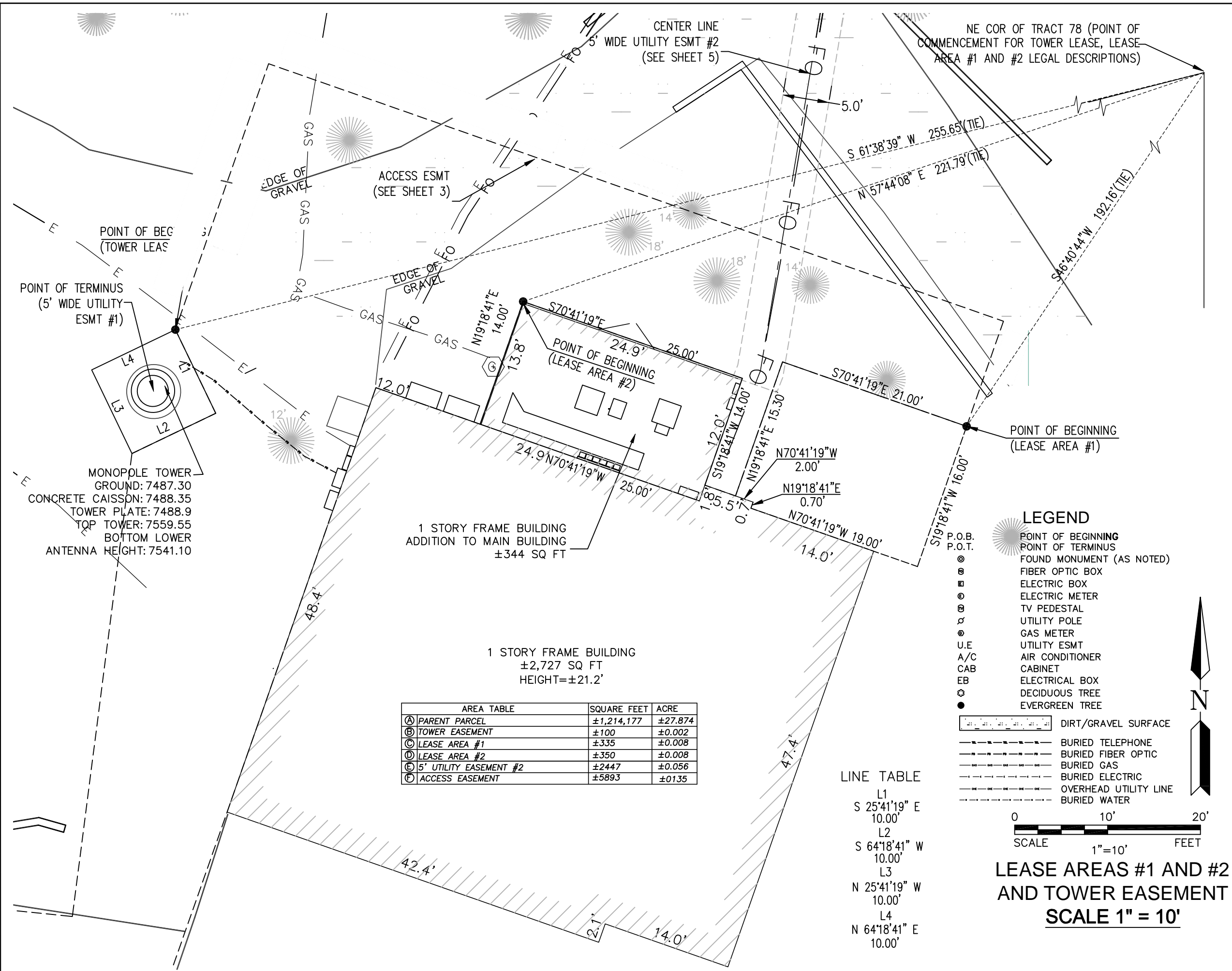
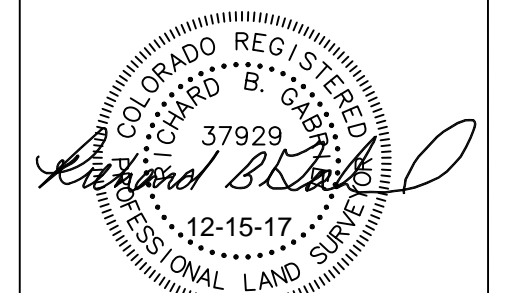
SURVEYOR'S NOTES

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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: _____

Revision: 7/19/18

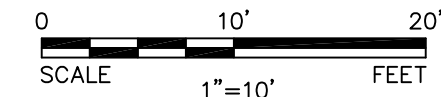


AREA TABLE	SQUARE FEET	ACRE
Ⓐ PARENT PARCEL	±1,214,177	±27.874
Ⓑ TOWER EASEMENT	±100	±0.002
Ⓒ LEASE AREA #1	±335	±0.008
Ⓓ LEASE AREA #2	±350	±0.008
Ⓔ 5' UTILITY EASEMENT #2	±2447	±0.056
Ⓕ ACCESS EASEMENT	±5893	±0.135

LINE TABLE	BEARING	DISTANCE
L1	S 25°41'19" E	10.00'
L2	S 64°18'41" W	10.00'
L3	N 25°41'19" W	10.00'
L4	N 64°18'41" E	10.00'

- ### LEGEND
- P.O.B. (Point of Beginning)
 - ⊙ P.O.T. (Point of Terminus)
 - ⊙ FOUND MONUMENT (AS NOTED)
 - ⊙ FIBER OPTIC BOX
 - ⊙ ELECTRIC BOX
 - ⊙ ELECTRIC METER
 - ⊙ TV PEDESTAL
 - ⊙ UTILITY POLE
 - ⊙ GAS METER
 - ⊙ UTILITY ESMT
 - ⊙ AIR CONDITIONER
 - ⊙ CABINET
 - ⊙ ELECTRICAL BOX
 - ⊙ DECIDUOUS TREE
 - EVERGREEN TREE

- DIRT/GRAVEL SURFACE
- BURIED TELEPHONE
- BURIED FIBER OPTIC
- BURIED GAS
- BURIED ELECTRIC
- OVERHEAD UTILITY LINE
- BURIED WATER



**LEASE AREAS #1 AND #2
AND TOWER EASEMENT
SCALE 1" = 10'**

SURVEY PLAN

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

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13430 NW 104th Terrace, Suite A, Alachua, FL 32615
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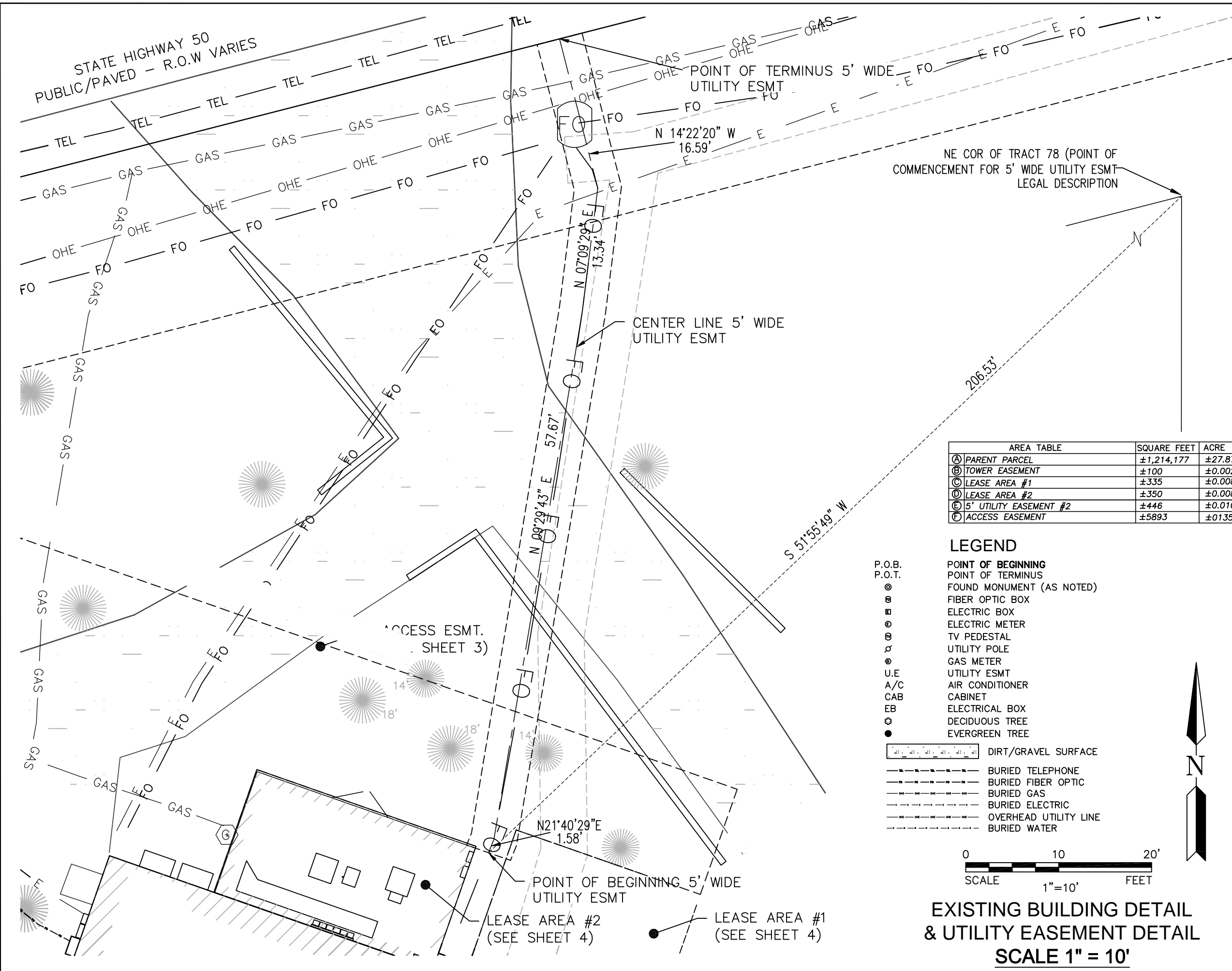
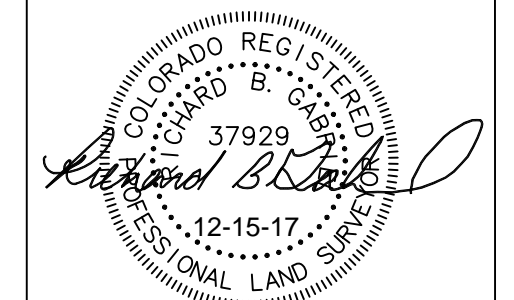
DRAWN BY: JCB CHECKED BY: RBG JOB #: 501-17-268

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

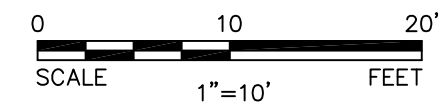
POWER SURVEYING CO., INC
RICHARD B. GABRIEL
LAND SURVEYOR - COLORADO # 37929
Date: _____
Revision: 7/19/2018



AREA TABLE	SQUARE FEET	ACRE
Ⓐ PARENT PARCEL	±1,214,177	±27.874
Ⓑ TOWER EASEMENT	±100	±0.002
Ⓒ LEASE AREA #1	±335	±0.008
Ⓓ LEASE AREA #2	±350	±0.008
Ⓔ 5' UTILITY EASEMENT #2	±446	±0.010
Ⓕ ACCESS EASEMENT	±5893	±0.135

LEGEND

- P.O.B.
P.O.T.
- ⊙ POINT OF BEGINNING
 - ⊙ POINT OF TERMINUS
 - ⊙ FOUND MONUMENT (AS NOTED)
 - ⊙ FIBER OPTIC BOX
 - ⊙ ELECTRIC BOX
 - ⊙ ELECTRIC METER
 - ⊙ TV PEDESTAL
 - ⊙ UTILITY POLE
 - ⊙ GAS METER
 - ⊙ UTILITY ESMT
 - ⊙ AIR CONDITIONER
 - ⊙ CABINET
 - ⊙ ELECTRICAL BOX
 - ⊙ DECIDUOUS TREE
 - EVERGREEN TREE
- ▬ DIRT/GRAVEL SURFACE
 - - - BURIED TELEPHONE
 - - - BURIED FIBER OPTIC
 - - - BURIED GAS
 - - - BURIED ELECTRIC
 - - - OVERHEAD UTILITY LINE
 - - - BURIED WATER



EXISTING BUILDING DETAIL & UTILITY EASEMENT DETAIL SCALE 1" = 10'

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 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 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 DESCRIPTION #1

(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 BEGINNING.

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

LEASE AREA DESCRIPTION #2

(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 206.53 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 PLAN

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:

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

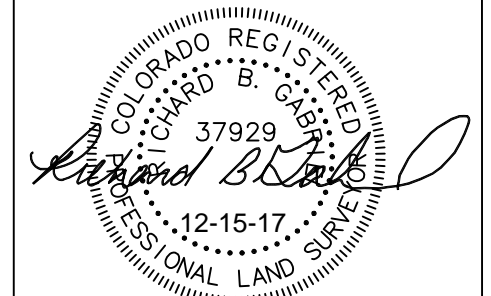
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- 2. NO SUBSURFACE INVESTIGATION WAS PERFORMED TO LOCATE UNDERGROUND UTILITIES. UTILITIES SHOWN HEREON ARE LIMITED TO AND ARE PER OBSERVED EVIDENCE ONLY.
- 3. THIS SURVEY DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL.
- 4. THIS SURVEY PLAT 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.

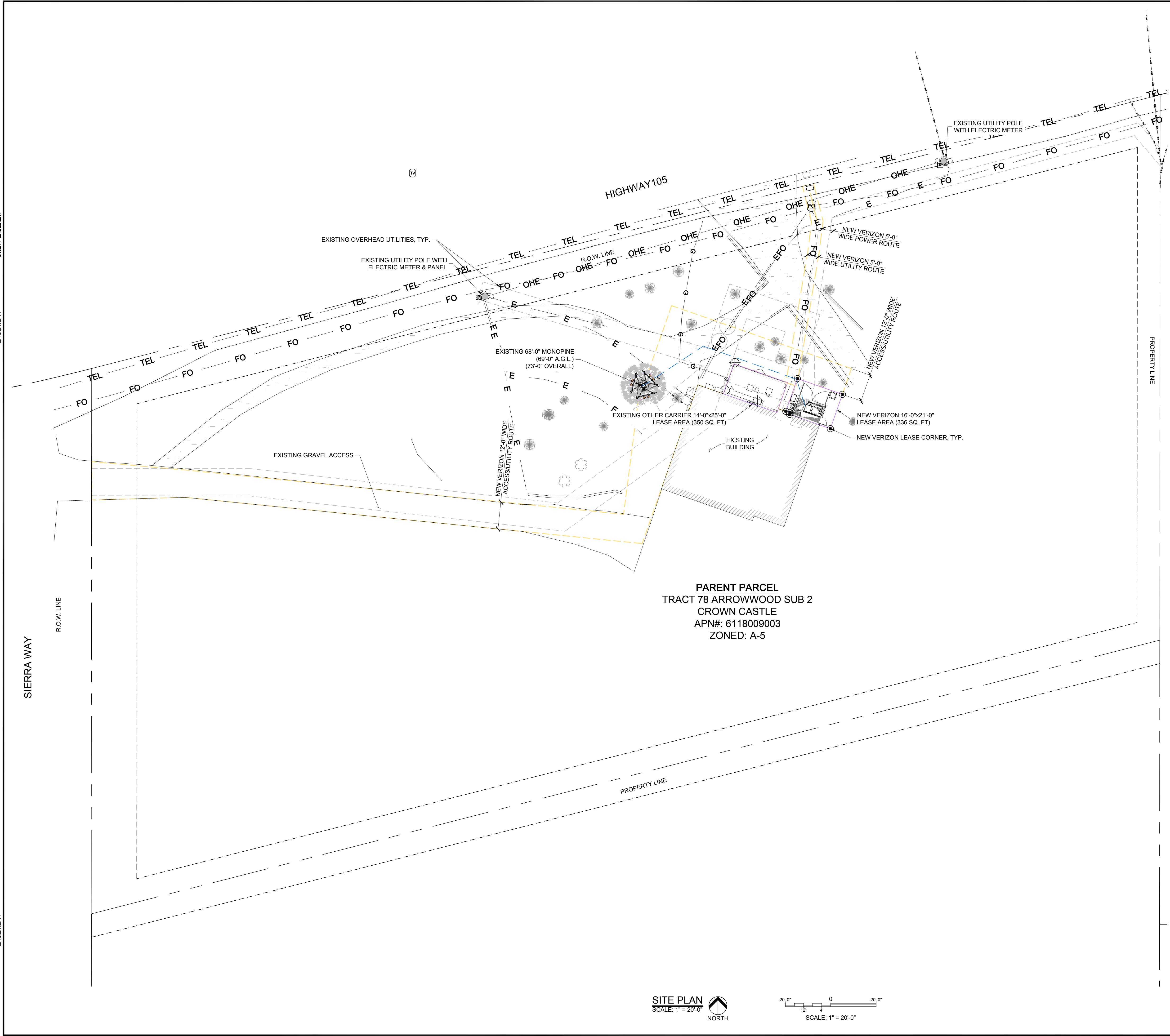
SURVEYOR'S CERTIFICATION
I HEREBY CERTIFY TO CROWN CASTLE AND OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY.

POWER SURVEYING CO., INC
RICHARD B. GABRIEL
LAND SURVEYOR - COLORADO # 37929
Date: _____

Revision: 7/19/18



EXISTING
WALL HATCH
NEW WORK/ UTILITY EASEMENT
ACCESS UTILITY EASEMENT
HYBRID CABLE/SOCK
DC POWER
FIBER
ANTENNAS
RR/HBBU
LEASE AREA
EXISTING EASEMENT
PENETRATIONS

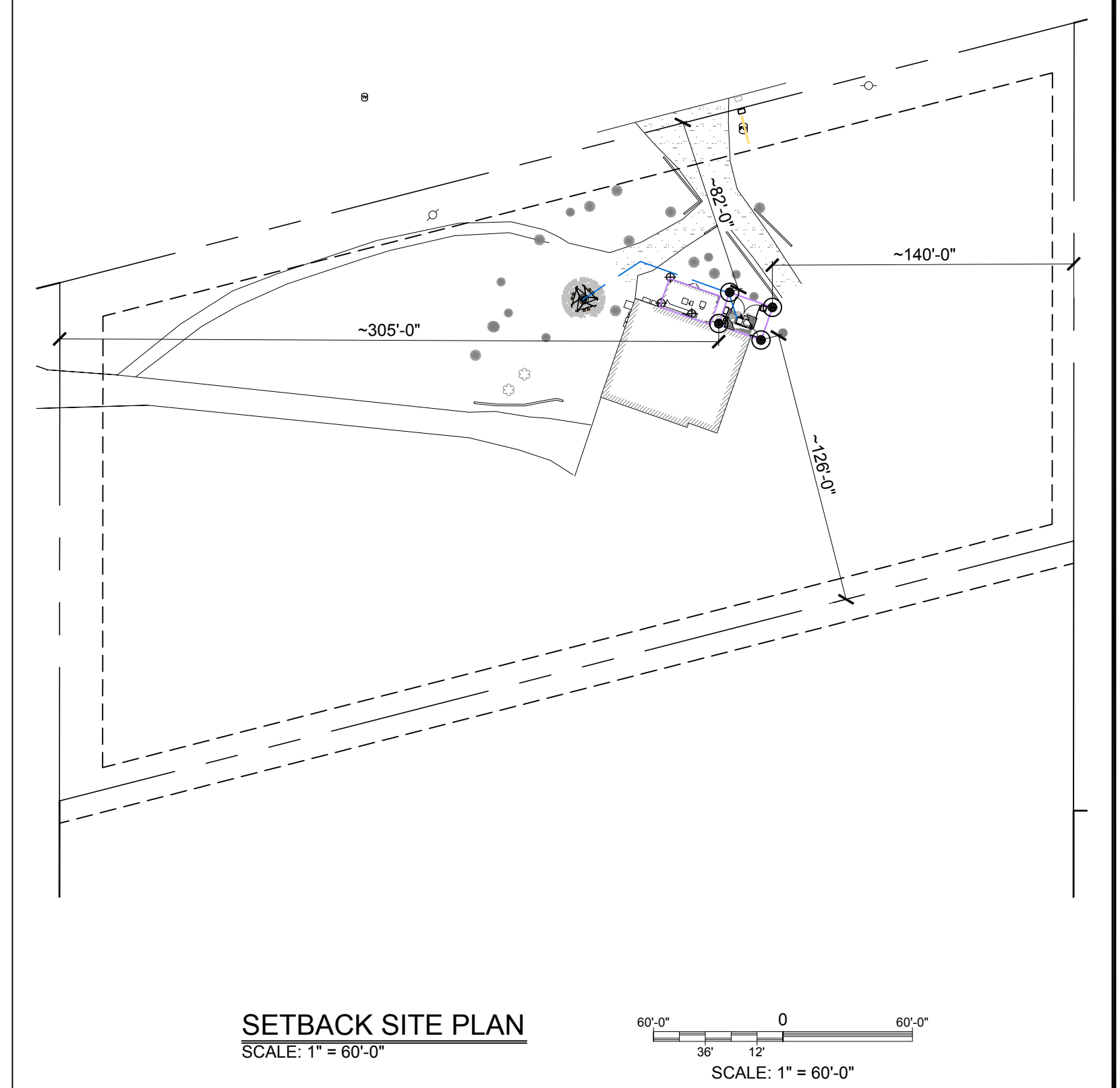


PARENT PARCEL
TRACT 78 ARROWWOOD SUB 2
CROWN CASTLE
APN#: 6118009003
ZONED: A-5

SITE PLAN
SCALE: 1" = 20'-0"
NORTH
SCALE: 1" = 20'-0"

SETBACK TABLE:

LEASE BOUNDARY TO PARENT PROPERTY LINE	
NORTH	~82'-0"
EAST	~140'-0"
SOUTH	~126'-0"
WEST	~305'-0"



SETBACK SITE PLAN
SCALE: 1" = 60'-0"

APPROVED
FOR LEASING/ZONING

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DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
AURORA, COLORADO 80014

DESIGNED BY:

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

PROJECT NAME:
CSP SCAREBROOK
EXISTING 68'-0" MONOPINE
(OVERALL HEIGHT: 73'-0" A.G.L.)
COLLOCATION COMMUNICATION SITE

PROJECT ADDRESS:
17997 SIERRA WAY
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE:
SITE PLAN & SETBACK SITE PLAN

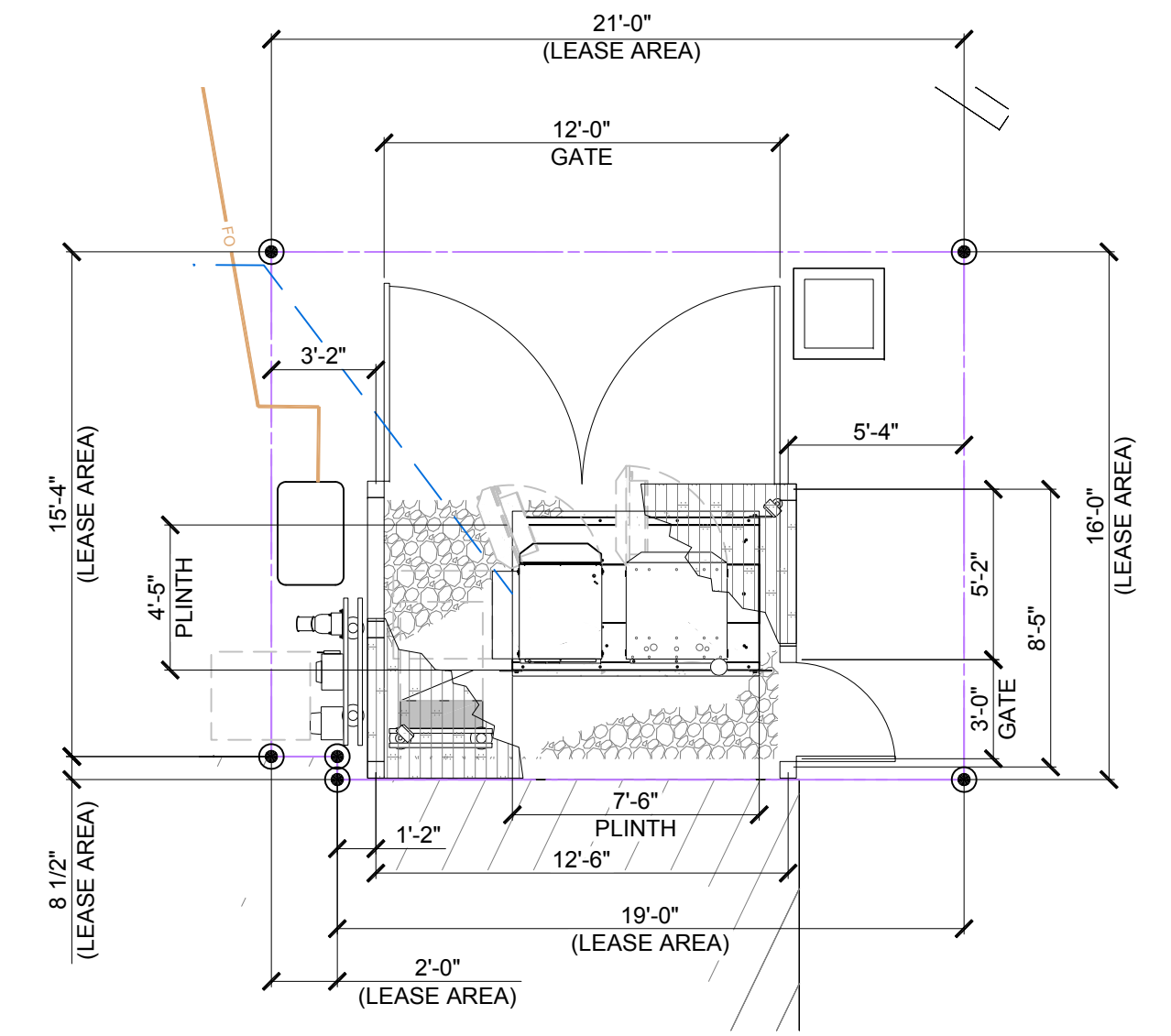
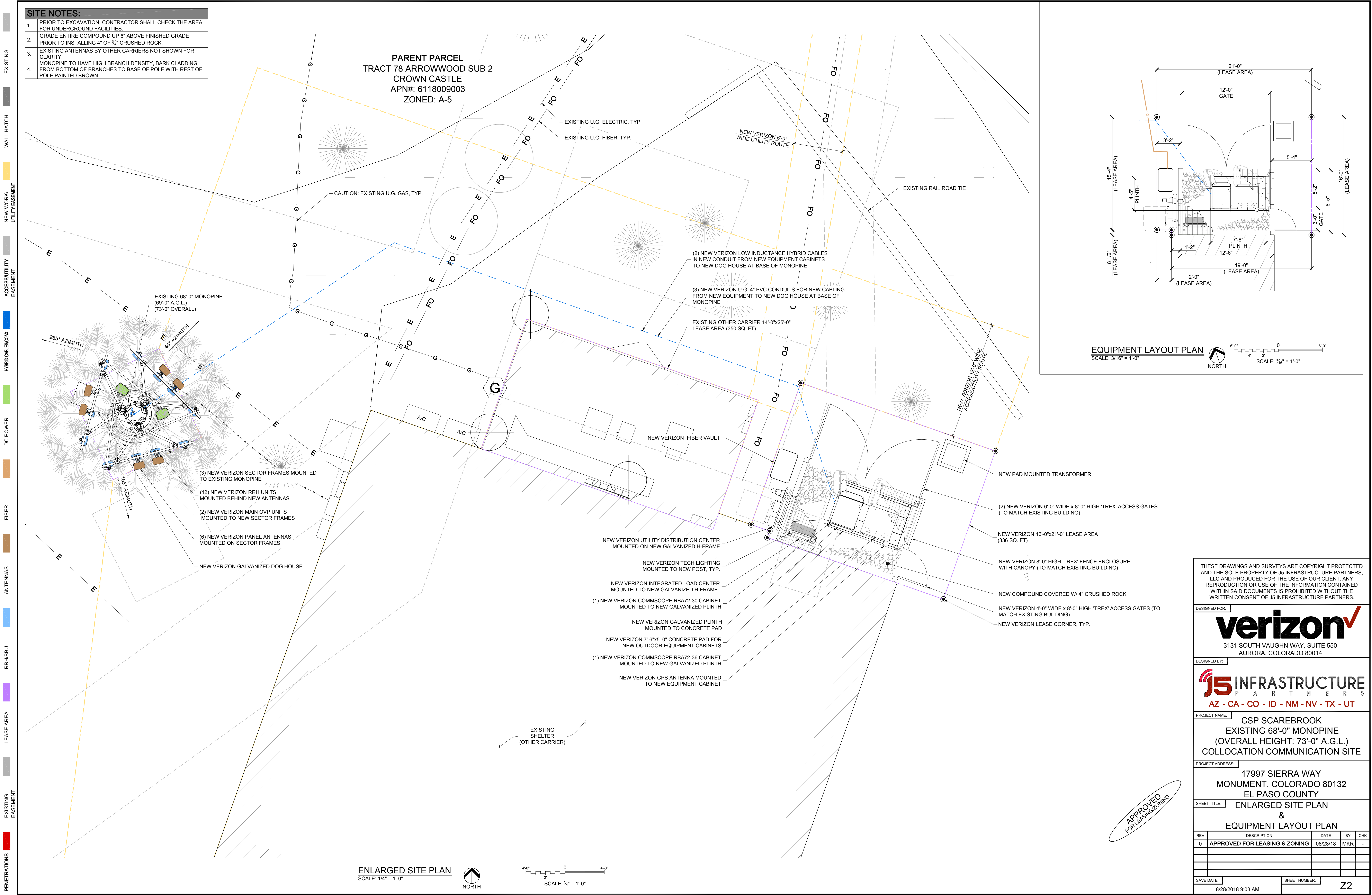
REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

SAVE DATE: 8/28/2018 9:03 AM
SHEET NUMBER: Z1

SITE NOTES:

1. PRIOR TO EXCAVATION, CONTRACTOR SHALL CHECK THE AREA FOR UNDERGROUND FACILITIES.
2. GRADE ENTIRE COMPOUND UP 8" ABOVE FINISHED GRADE PRIOR TO INSTALLING 4" OF 3/4" CRUSHED ROCK.
3. EXISTING ANTENNAS BY OTHER CARRIERS NOT SHOWN FOR CLARITY.
4. MONOPINE TO HAVE HIGH BRANCH DENSITY, BARK CLADDING FROM BOTTOM OF BRANCHES TO BASE OF POLE WITH REST OF POLE PAINTED BROWN.

PARENT PARCEL
TRACT 78 ARROWWOOD SUB 2
CROWN CASTLE
APN#: 6118009003
ZONED: A-5



EQUIPMENT LAYOUT PLAN
SCALE: 3/16" = 1'-0"
NORTH
SCALE: 3/16" = 1'-0"

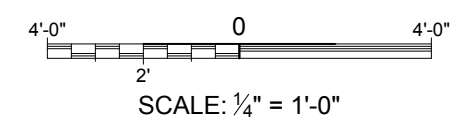
- EXISTING
- WALL HATCH
- NEW WORK/ UTILITY EASEMENT
- ACCESS UTILITY EASEMENT
- HYBRID CABLES/CAX
- DC POWER
- FIBER
- ANTENNAS
- RR/HBBU
- LEASE AREA
- EXISTING EASEMENT
- PENETRATIONS

- EXISTING 68'-0" MONOPINE (69'-0" A.G.L.) (73'-0" OVERALL)
- 285° AZIMUTH
- 45° AZIMUTH
- 165° AZIMUTH
- (3) NEW VERIZON SECTOR FRAMES MOUNTED TO EXISTING MONOPINE
- (12) NEW VERIZON RRH UNITS MOUNTED BEHIND NEW ANTENNAS
- (2) NEW VERIZON MAIN OVP UNITS MOUNTED TO NEW SECTOR FRAMES
- (6) NEW VERIZON PANEL ANTENNAS MOUNTED ON SECTOR FRAMES
- NEW VERIZON GALVANIZED DOG HOUSE

- NEW VERIZON UTILITY DISTRIBUTION CENTER MOUNTED ON NEW GALVANIZED H-FRAME
- NEW VERIZON TECH LIGHTING MOUNTED TO NEW POST, TYP.
- NEW VERIZON INTEGRATED LOAD CENTER MOUNTED TO NEW GALVANIZED H-FRAME
- (1) NEW VERIZON COMMSCOPE RBA72-30 CABINET MOUNTED TO NEW GALVANIZED PLINTH
- NEW VERIZON GALVANIZED PLINTH MOUNTED TO CONCRETE PAD
- NEW VERIZON 7'-6"x5'-0" CONCRETE PAD FOR NEW OUTDOOR EQUIPMENT CABINETS
- (1) NEW VERIZON COMMSCOPE RBA72-36 CABINET MOUNTED TO NEW GALVANIZED PLINTH
- NEW VERIZON GPS ANTENNA MOUNTED TO NEW EQUIPMENT CABINET

- NEW PAD MOUNTED TRANSFORMER
- (2) NEW VERIZON 6'-0" WIDE x 8'-0" HIGH 'TREX' ACCESS GATES (TO MATCH EXISTING BUILDING)
- NEW VERIZON 16'-0"x21'-0" LEASE AREA (336 SQ. FT)
- NEW VERIZON 8'-0" HIGH 'TREX' FENCE ENCLOSURE WITH CANOPY (TO MATCH EXISTING BUILDING)
- NEW COMPOUND COVERED W/ 4" CRUSHED ROCK
- NEW VERIZON 4'-0" WIDE x 8'-0" HIGH 'TREX' ACCESS GATES (TO MATCH EXISTING BUILDING)
- NEW VERIZON LEASE CORNER, TYP.

ENLARGED SITE PLAN
SCALE: 1/4" = 1'-0"



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DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
AURORA, COLORADO 80014

DESIGNED BY:

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

PROJECT NAME: CSP SCAREBROOK
EXISTING 68'-0" MONOPINE
(OVERALL HEIGHT: 73'-0" A.G.L.)
COLLOCATION COMMUNICATION SITE

PROJECT ADDRESS:
17997 SIERRA WAY
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE: ENLARGED SITE PLAN
&
EQUIPMENT LAYOUT PLAN

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

SAVE DATE: 8/28/2018 9:03 AM
SHEET NUMBER: Z2

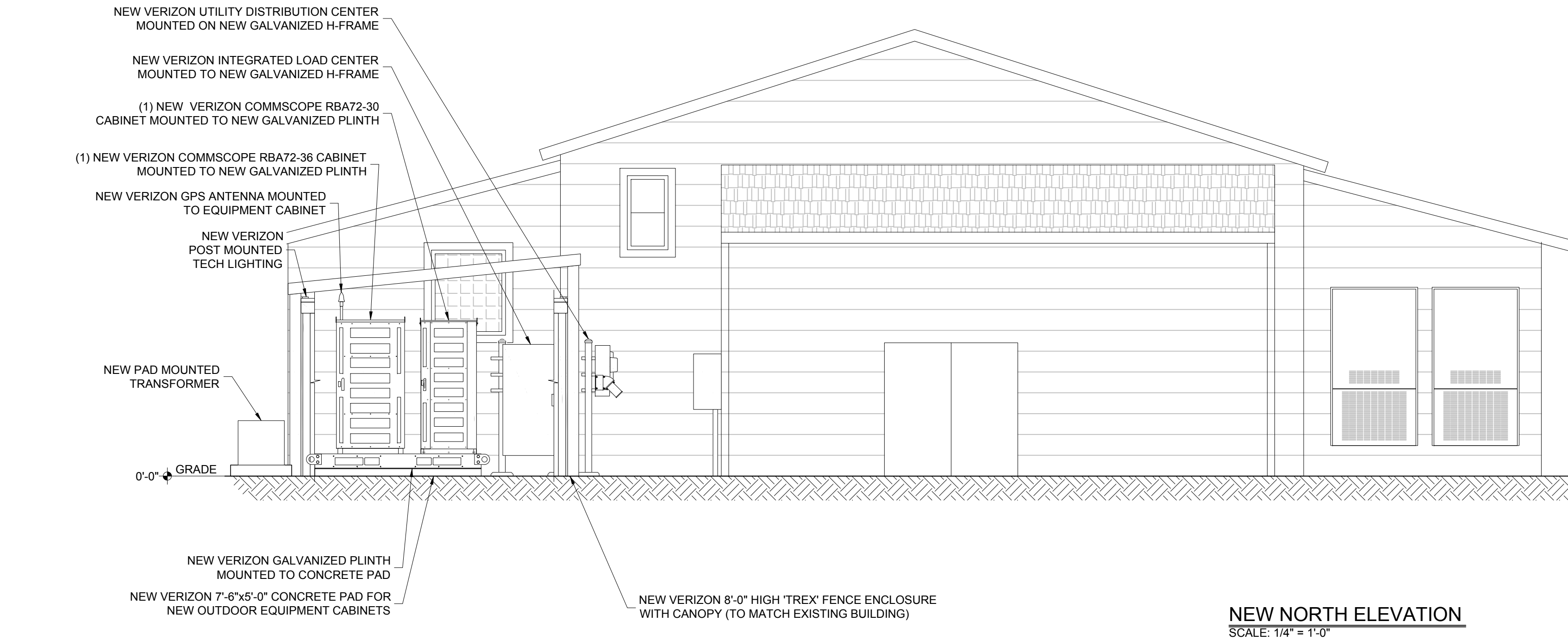
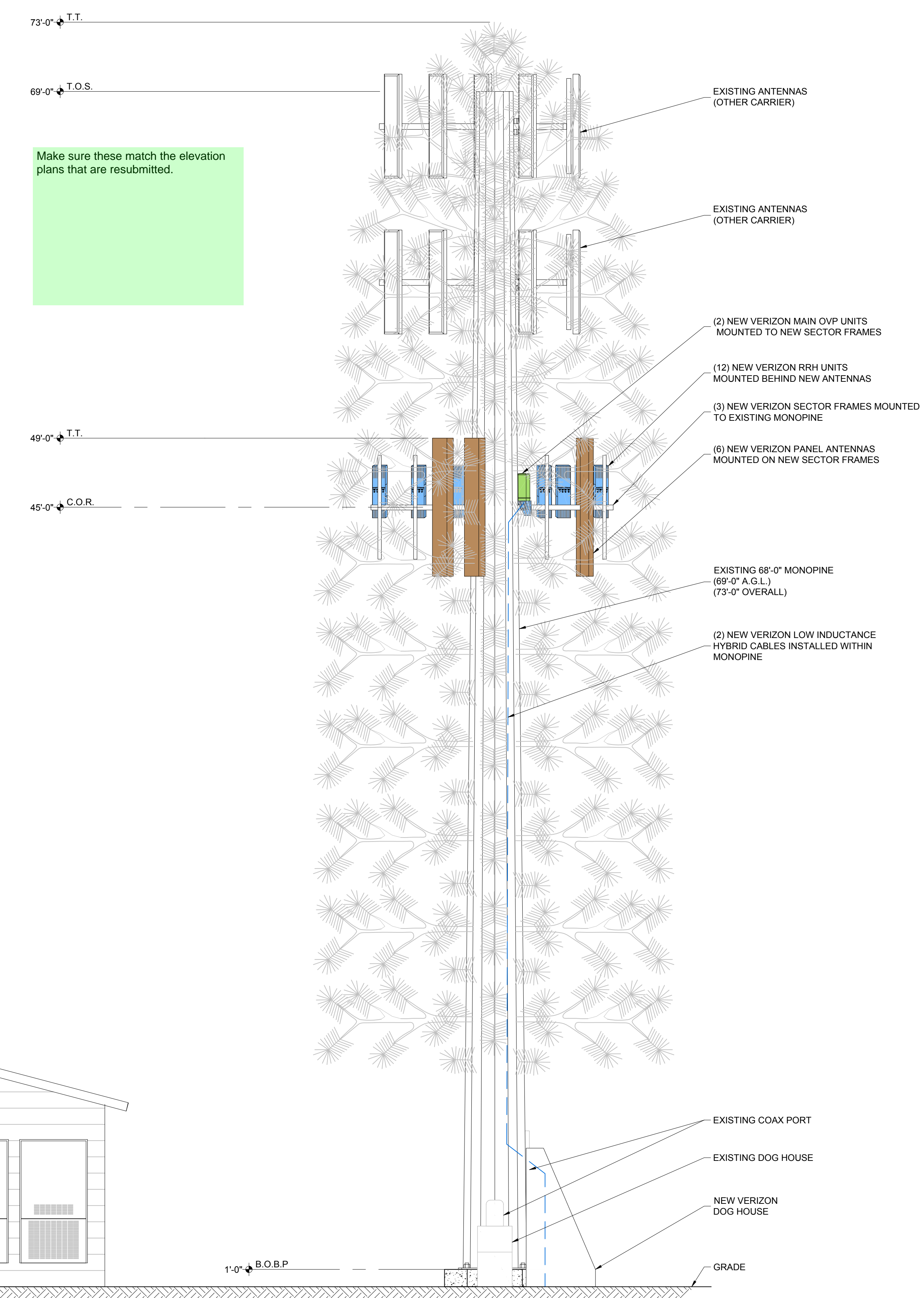
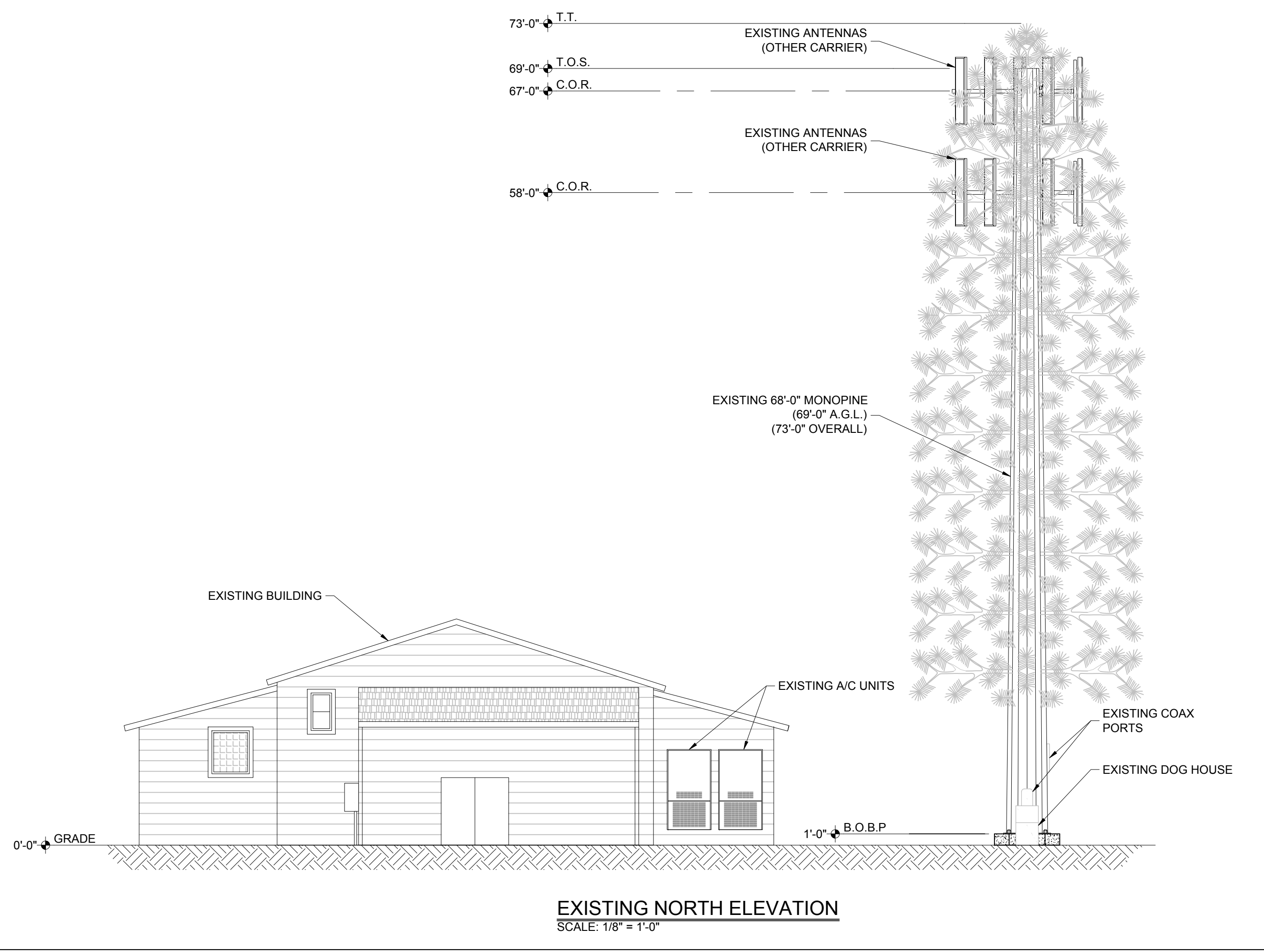
APPROVED FOR LEASING & ZONING

EXISTING
WALL HATCH
NEW WORK/
UTILITY EASEMENT
ACCESS/UTILITY
EASEMENT
HYBRID CABLE/COAX
DC POWER
FIBER
ANTENNAS
RR/HBBU
LEASE AREA
EXISTING
EASEMENT
PENETRATIONS

KEY:

C.O.R. =	CENTER OF RADIATION
A.L. =	ATTACHMENT LEVEL
B.T. =	BOTTOM TIP LEVEL
T.T. =	TOP TIP LEVEL
A.G.L. =	ABOVE GRADE LEVEL
B.O.B.P. =	BOTTOM OF BASE PLATE

DISCLAIMER:
ALL INFORMATION PERTAINING TO THE SUBJECT TOWER AND ANTENNA MOUNTS SHOWN ARE FOR DEPICTION PURPOSES ONLY. CONFIRMATION OF THE TOWER STRUCTURAL INTEGRITY IS BEYOND THE SCOPE OF THIS PROJECT. IN NO EVENT WILL J5 INFRASTRUCTURE PARTNERS BE LIABLE AND RESPONSIBLE FOR THE STRUCTURAL INTEGRITY AND ADEQUACY OF THE TOWER AND FOUNDATION WITHOUT FIRST REQUIRING STRUCTURAL ANALYSIS PRIOR TO THE INSTALLATION OF ANY NEW ANTENNAS, AND ALL RELEVANT APPURTENANCES.



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DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
AURORA, COLORADO 80014

DESIGNED BY:

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

PROJECT NAME: CSP SCAREBROOK
EXISTING 68'-0" MONOPINE
(OVERALL HEIGHT: 73'-0" A.G.L.)
COLLOCATION COMMUNICATION SITE

PROJECT ADDRESS:
17997 SIERRA WAY
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE: ELEVATION

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

SAVE DATE: 8/28/2018 9:03 AM SHEET NUMBER: Z3

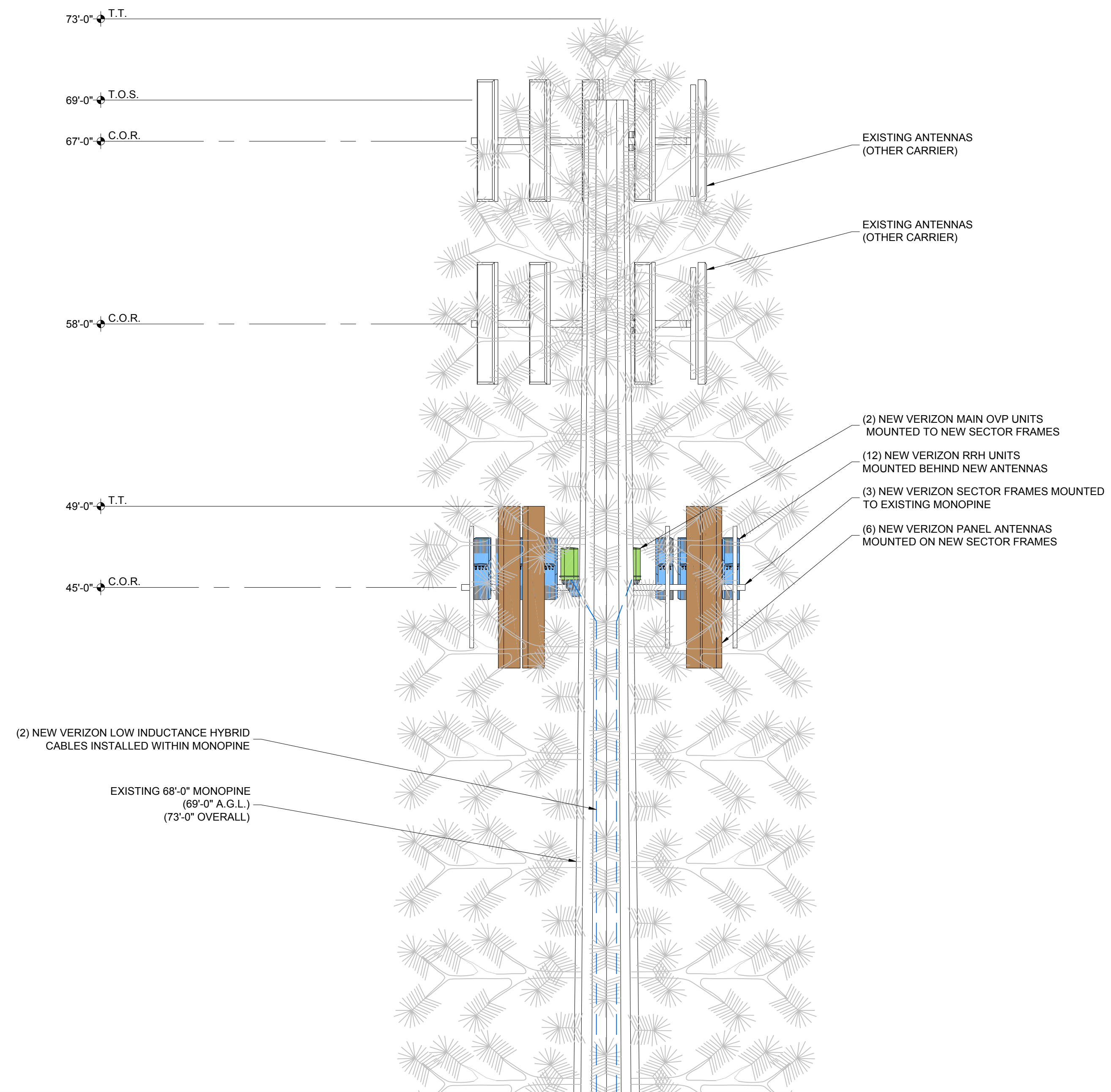
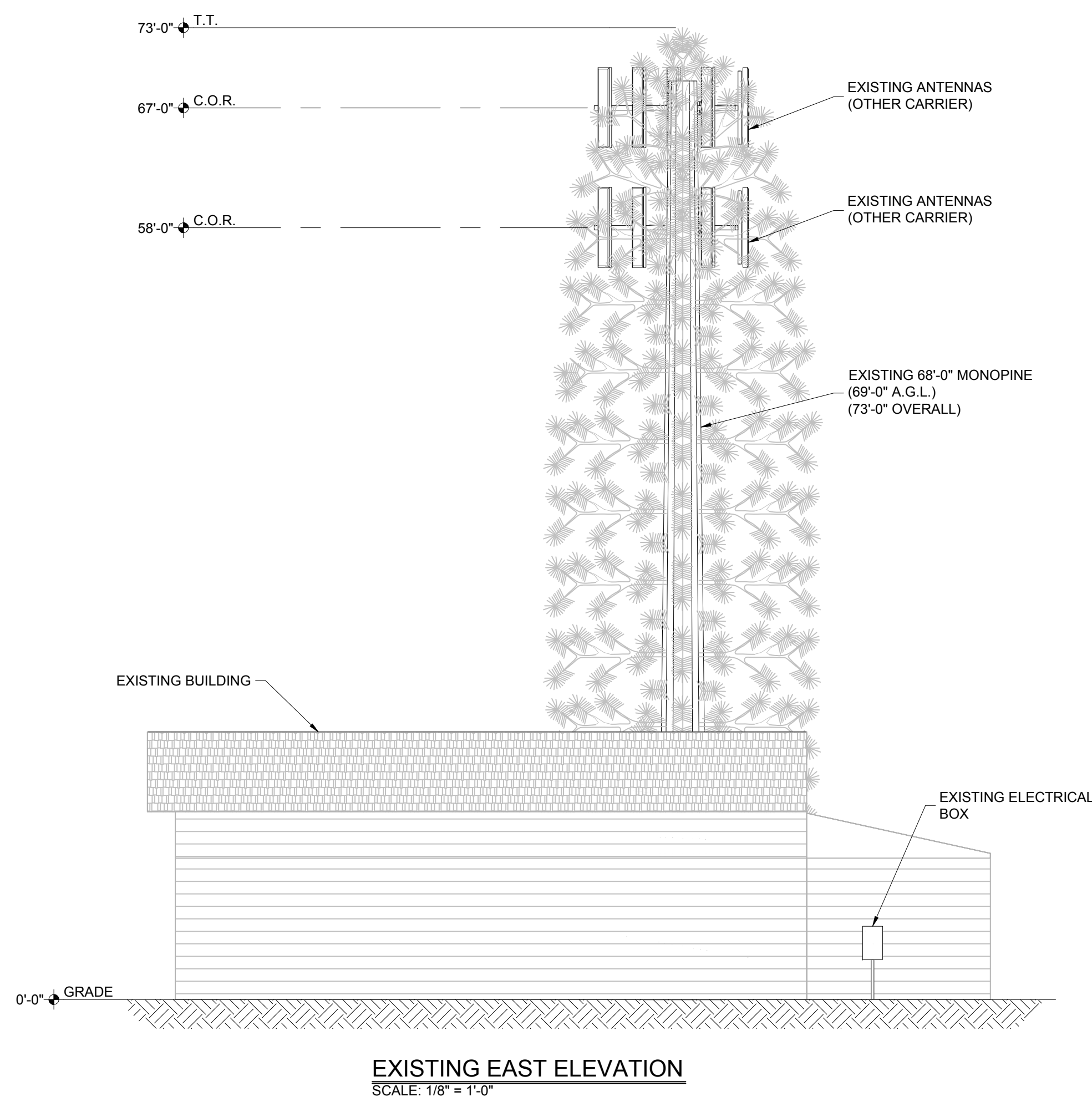
NEW NORTH ELEVATION
SCALE: 1/4" = 1'-0"

EXISTING
WALL HATCH
NEW WORK/
UTILITY EASEMENT
ACCESS/UTILITY
EASEMENT
HYBRID CABLES/CAX
DC POWER
FIBER
ANTENNAS
RR/HBBU
LEASE AREA
EXISTING
EASEMENT
PENETRATIONS

KEY:

C.O.R. =	CENTER OF RADIATION
A.L. =	ATTACHMENT LEVEL
B.T. =	BOTTOM TIP LEVEL
T.T. =	TOP TIP LEVEL
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APPROVED
FOR LEASING/ZONING

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AURORA, COLORADO 80014

DESIGNED BY:

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

PROJECT NAME: CSP SCAREBROOK
EXISTING 68'-0" MONOPINE
(OVERALL HEIGHT: 73'-0" A.G.L.)
COLLOCATION COMMUNICATION SITE

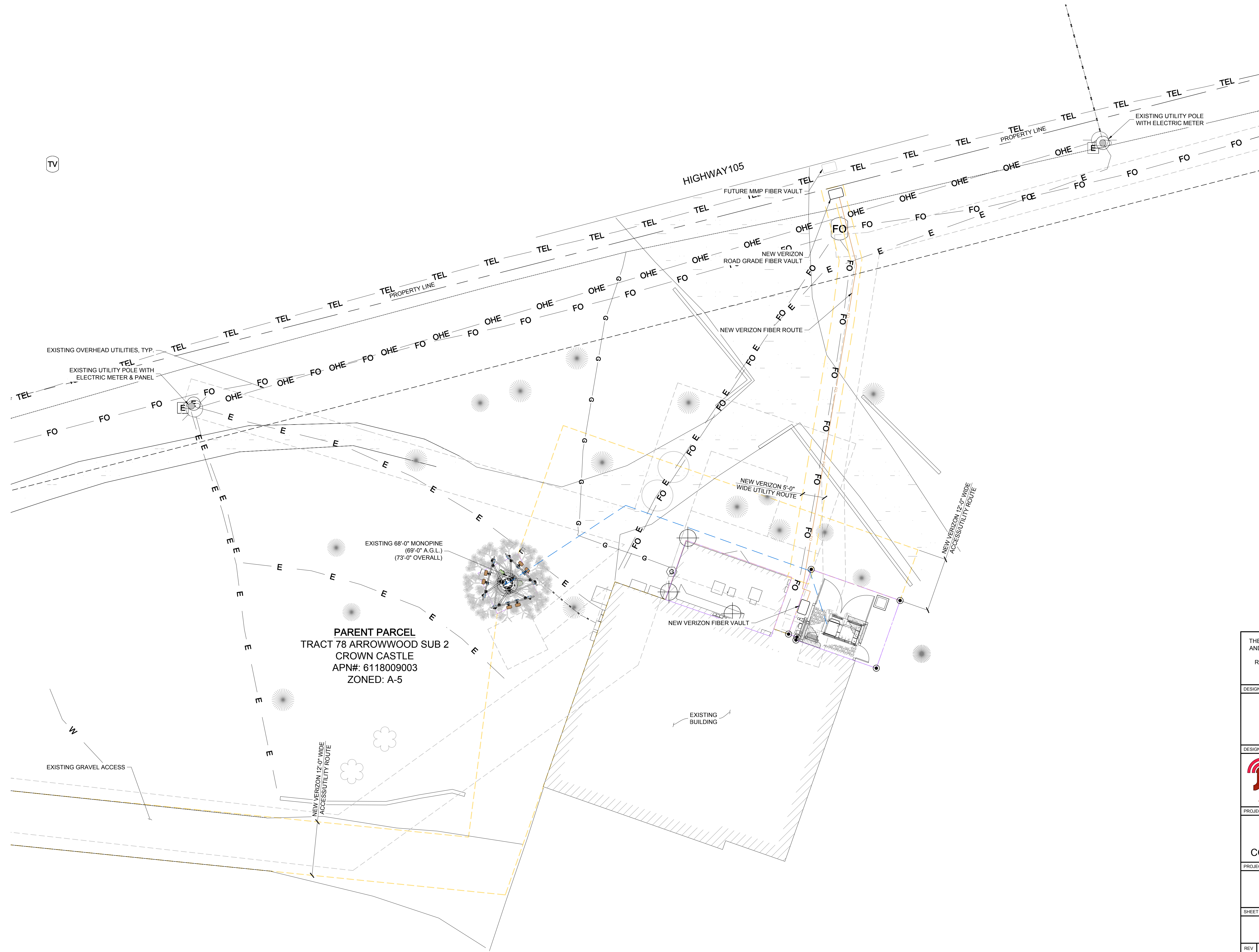
PROJECT ADDRESS:
17997 SIERRA WAY
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE: ELEVATION

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

SAVE DATE: 8/28/2018 9:03 AM SHEET NUMBER: Z4

- EXISTING
- WALL HATCH
- NEW WORK/ UTILITY EASEMENT
- ACCESS UTILITY EASEMENT
- HYBRID CABLE/SOAX
- DC POWER
- FIBER
- ANTENNAS
- RR/HBBU
- LEASE AREA
- EXISTING EASEMENT
- PENETRATIONS



PARENT PARCEL
 TRACT 78 ARROWWOOD SUB 2
 CROWN CASTLE
 APN#: 6118009003
 ZONED: A-5

APPROVED
 FOR LEASING/ZONING

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DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
 AURORA, COLORADO 80014

DESIGNED BY:

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

PROJECT NAME: CSP SCAREBROOK
 EXISTING 68'-0" MONOPINE
 (OVERALL HEIGHT: 73'-0" A.G.L.)
 COLLOCATION COMMUNICATION SITE

PROJECT ADDRESS:
 17997 SIERRA WAY
 MONUMENT, COLORADO 80132
 EL PASO COUNTY

SHEET TITLE:
 FIBER COORDINATION SITE PLAN

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

SAVE DATE: 8/28/2018 9:03 AM SHEET NUMBER: TC1

SITE PLAN
 SCALE: 1" = 10'-0"
 NORTH

SCALE: 1" = 20'-0"

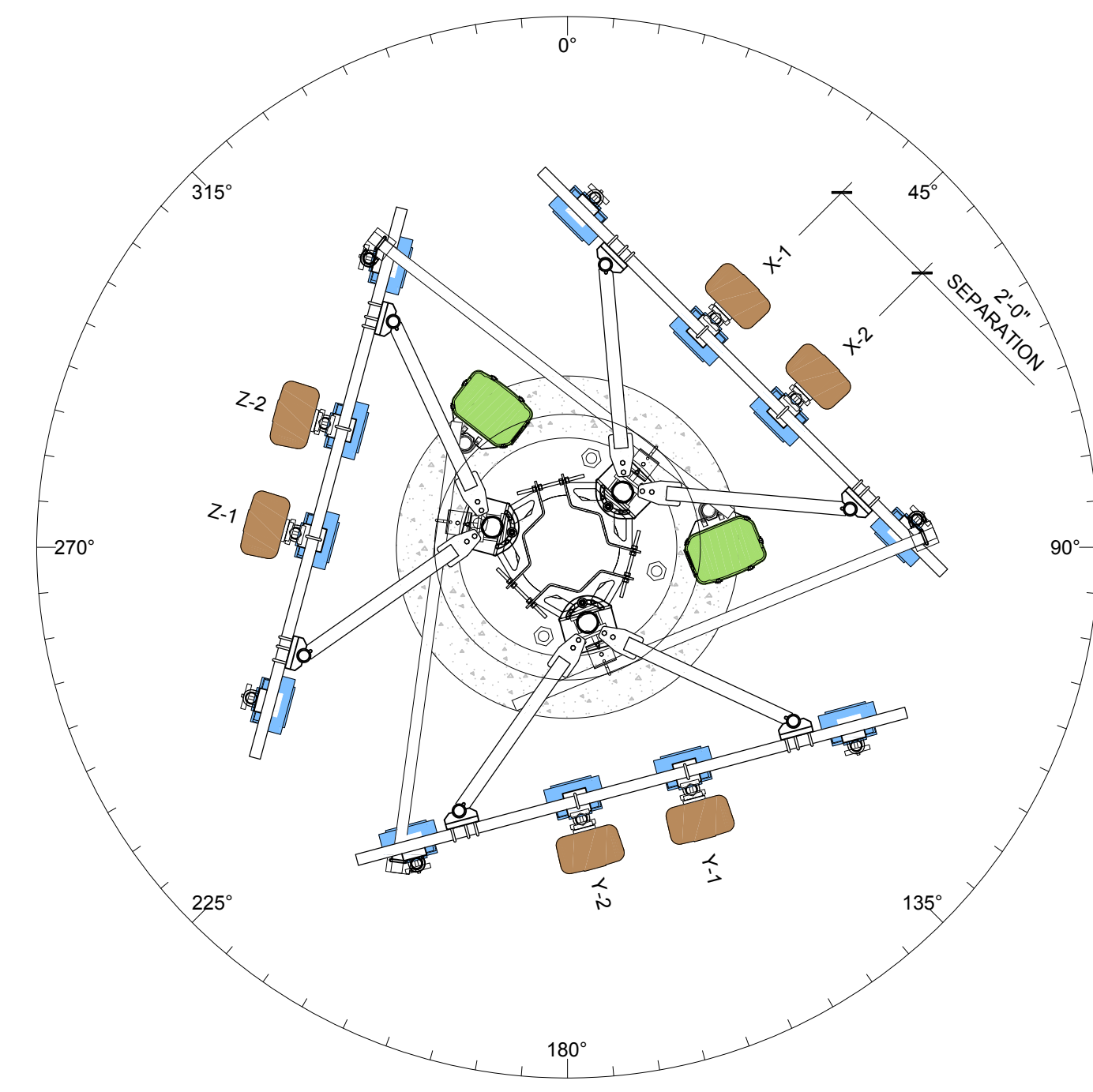
EXISTING
WALL HATCH
NEW WORK/UTILITY EASEMENT
ACCESS/UTILITY EASEMENT
HYBRID CABLE/COAX
DC POWER
FIBER
ANTENNAS
RRH/BBU
LEASE AREA
EXISTING EASEMENT
PENETRATIONS

NEW VERIZON ANTENNA SCHEDULE:

ATTACH LEVEL (COR)	AZIMUTHS (DEG., MN)	ANTENNA TYPE	ANTENNA QUANTITY	MOUNT TYPE	COAX (QUANTITY) SIZE (NOMINAL)	ESTIMATED COAX CABLE LENGTH	MECHANICAL DOWN TILT
45'-0"	45° 165° 285°	COMMSCOPE JAHH-65C-R3B 8' PANEL ANTENNA	6	SEE ANTENNA MOUNT SCHEDULE	(2) LOW INDUCTANCE HYBRID CABLES (NEW)	SEE PLUMBING DIAGRAM	-

NOTES:

- FOR EXACT ANTENNA INFORMATION REFER TO THE RF DESIGN.
- ALL NEW COAX SHALL BE INSTALLED ON INSIDE OF EXISTING MONOPINE (IF POSSIBLE).
- CONTRACTOR TO INSTALL DIPLEXERS IN SHELTER AND ON TOWER AS REQUIRED BY RF DESIGN (IF APPLICABLE).



ANTENNA SECTION @ 45'-0"
SCALE: N.T.S.

ANTENNA COLOR CODE:

ANTENNA FUNCTION	COLOR
CDMA-800 B-BAND	RED
CDMA-800 A-BAND	WHITE
PCS-1900	YELLOW
LTE-700	PURPLE

ANTENNA SECTOR

X	GREEN
Y	ORANGE
Z	BROWN

ANTENNA COLOR CODES (CELL SITE COAX LABELING)

ANTENNA FUNCTION	ANTENNA SECTOR					
	X		Y		Z	
	FIRST STRIPE	SECOND STRIPE	FIRST STRIPE	SECOND STRIPE	FIRST STRIPE	SECOND STRIPE
800 VOICE	WHITE/RED	WHITE/YELLOW	BLUE/RED	BLUE/YELLOW	GREEN/RED	GREEN/YELLOW
800 EVDO	WHITE/2 RED	WHITE/2 YELLOW	BLUE/2 RED	BLUE/2 YELLOW	GREEN/2 RED	GREEN/2 YELLOW
800 LTE	WHITE/3 RED	WHITE/3 YELLOW	BLUE/3 RED	BLUE/3 YELLOW	GREEN/3 RED	GREEN/3 YELLOW
1900 EVDO	PURPLE/RED	PURPLE/YELLOW	ORANGE/RED	ORANGE/YELLOW	BROWN/RED	BROWN/YELLOW
1900 VOICE	PURPLE/2 RED	PURPLE/2 YELLOW	ORANGE/2 RED	ORANGE/2 YELLOW	BROWN/2 RED	BROWN/2 YELLOW

NOTICE:

- CONTRACTOR SHALL NOT SUBMIT BIDS OR PERFORM CONSTRUCTION WORK ON THIS PROJECT WITHOUT ACCESS TO THE CURRENT COMPLETE SET OF DRAWINGS LISTED IN THE TITLE-SHEET INDEX.

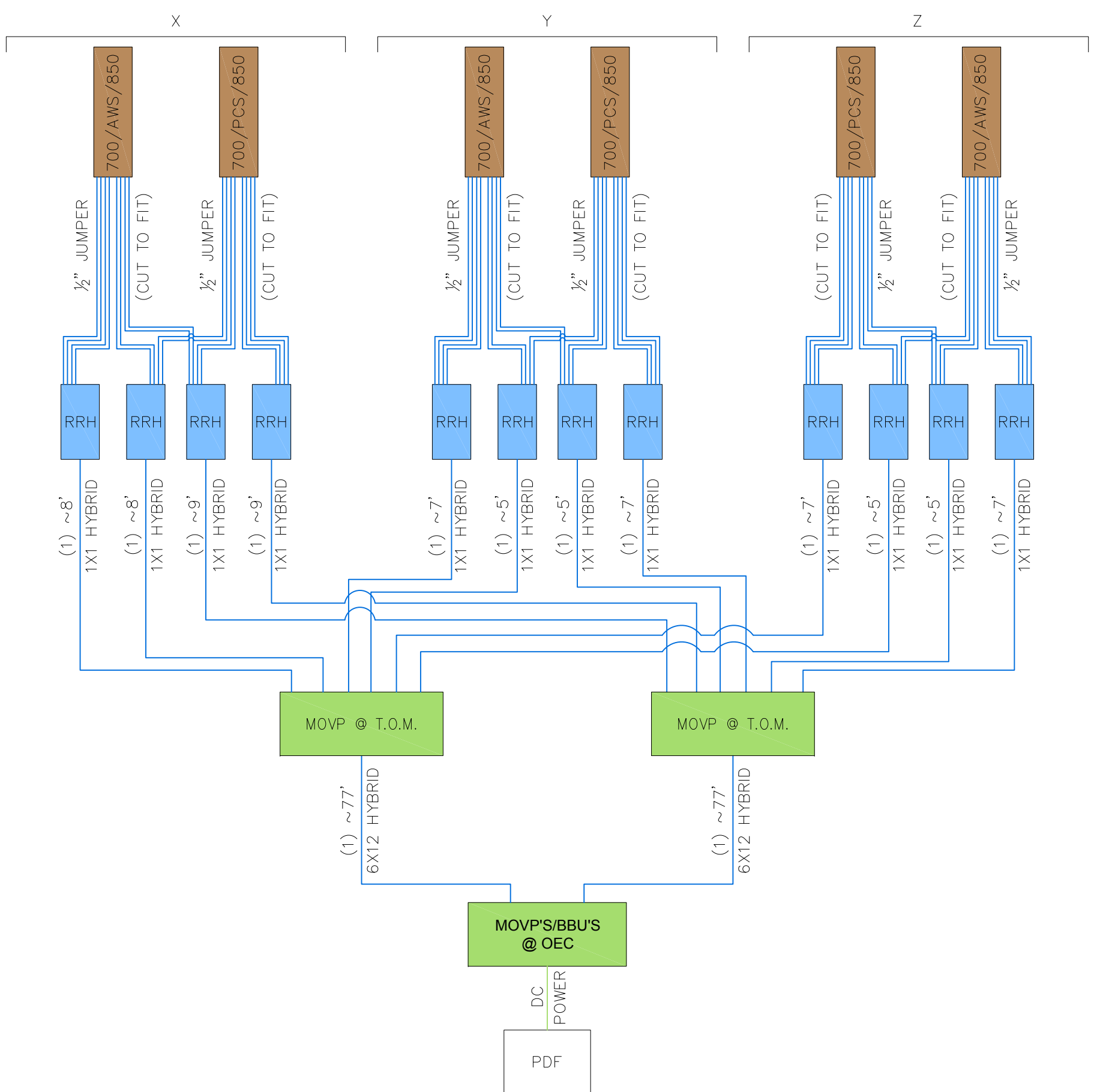
ANTENNA MOUNT SCHEDULE:

QUANTITY	DESCRIPTION	PART NUMBER(S)
3	10' FACE, SECTOR FRAME • (2) RING MOUNTS • (4) 96" PIPES • (3) 10'-6" TIEBACK	MCG23HD-10M-12-96

NOTE: ALL PRODUCTS ARE FROM COMMSCOPE INC OF NORTH CAROLINA
WWW.COMMSCOPE.COM

GENERAL ANTENNA NOTES:

- DUAL POLAR ANTENNAS REQUIRE TWO RUNS OF COAX PER ANTENNA.
- LENGTHS GIVEN ON THIS CHART ARE ESTIMATED FROM AVAILABLE INFORMATION.
- TYPES AND SIZES OF THE ANTENNA CABLES ARE BASED ON THE ESTIMATED LENGTH OF THE CABLES. CONTRACTOR TO VERIFY ACTUAL LENGTHS IN FIELD PRIOR TO INSTALLATION AND NOTIFY THE FIELD ENGINEER FOR VERIFICATION OF SIZES OF CABLES.
- CONTRACTOR TO PROVIDE AS BUILT FOR THE LENGTH OF CABLES UPON COMPLETION OF INSTALLATION.
- CONTRACTOR TO PROVIDE FINAL CABLE LENGTHS AND RETURN LOSSES FOR ALL CABLES.
- ALL AZIMUTHS REFERENCE TRUE NORTH. CONSULT REQUIRED QUADRANGLE MAP FOR NECESSARY MECHANICAL DECLINATION.



RRH HYBRID CABLE DIAGRAM AND CHART
SCALE: N.T.S.

Product Specifications COMMSCOPE®

JAHH65CR3B
8-port sector antenna. 2x 698-787, 2x 824-894 and 4x 1695-2360 MHz. 65° HPBW. 2x RET and low bands have diplexers. Internal SBT's on first LB (Port 1) and first HB (Port 5).
• Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
• One RET for 700MHz, one RET for 850MHz, and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO
• Internal filter on low band and interleaved dipole technology providing for attractive, low wind load mechanical package
• Separate RS-485 RET input/output for low and high band

Electrical Specifications

Frequency Band, MHz	698-787	824-894	1695-1880	1850-1990	1920-2200	2300-2360
Gain, dB	15.5	16.2	18.2	18.6	18.7	18.7
Beamwidth, Horizontal, degrees	67	64	62	60	61	64
Beamwidth, Vertical, degrees	9.8	8.4	5.7	5.3	5.0	4.5
Beam Tilt, degrees	0-11	0-11	2-12	2-12	2-12	2-12
USLS (First Lobe), dB	23	22	20	20	23	20
Front-to-Back Ratio at 180°, dB	30	30	29	35	39	39
Isolation, dB	25	25	25	25	25	25
Isolation, Intersystem, dB	30	30	30	30	30	30
VSWR Return Loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.8	1.5 14.0
RFK, 3rd Order, >= 20 W, dBC	-133	-133	-133	-133	-133	-133
Input Power per Port, maximum, watts	250	250	300	300	300	250
Polarization	445°	445°	445°	445°	445°	445°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	698-787	824-894	1695-1880	1850-1990	1920-2200	2300-2360
Gain by all Beam Tilts, average, dBi	15.2	16.0	17.5	18.2	18.3	18.3
Gain by all Beam Tilts Tolerance, dB	+0.3	+0.4	+0.7	+0.5	+0.5	+0.7
USLS, beampeak to 20° above beampeak, dB	0° 15.2	0° 15.8	2° 17.2	2° 17.8	2° 17.8	2° 17.8
Gain by Beam Tilt, average, dBi	5° 15.2	5° 16.0	7° 17.6	7° 18.4	7° 18.5	7° 18.4
11° 15.2	11° 16.0	12° 17.5	12° 18.3	12° 18.4	12° 18.2	
Beamwidth, Horizontal Tolerance, degrees	+1.1	+1.6	+3.9	+3	+3	+4.6
Beamwidth, Vertical Tolerance, degrees	+0.5	+0.4	+0.3	+0.2	+0.3	+0.2
USLS, beampeak to 20° above beampeak, dB	18	17	16	16	16	15
Front-to-Back Total Power at 180° >= 30°, dB	23	23	23	31	29	30
CPR at Bore Sight, dB	23	22	20	23	22	19
CPR at Sector, dB	12	13	10	13	11	8

* ComScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, download the whitepaper: [Time to Ease the Air on BASTA](#).

Array Layout

Product Specifications COMMSCOPE®

JAHH65CR3B

RF connector body grounded to reflector and mounting bracket
Grounding Type: Aluminum | Low loss circuit board
Reflector Material: Fiberglass, UV resistant
Aluminum
RF Connector Location: Bottom
Wind Loading, frontal: 1061.0 N @ 150 km/h
238.0 lbf @ 150 km/h
136.0 lb @ 150 km/h
75.5 lbf @ 150 km/h
Wind Loading, lateral: 1103.0 N @ 150 km/h
246.0 lbf @ 150 km/h
Wind Speed, maximum: 241 km/h | 150 mph

Dimensions

Length	2422.0 mm 95.7 in
Width	350.0 mm 13.8 in
Depth	208.0 mm 8.2 in
Net Weight, without mounting kit	36.4 kg 80.2 lb

Remote Electrical Tilt (RET) Information

Input Voltage: 10-30 Vdc
Internal Bias Tee: Part 1 | Port 5
Internal RET: High band (1) | Low band (2)
Power Consumption, idle state, maximum: 2.0 W
Power Consumption, normal conditions, maximum: 13.0 W
Protocol: 3SP/ATSG 2.0 (Single RET)
RET Interface: 8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity: 2 female | 2 male

Packed Dimensions

Length	2570.0 mm 101.2 in
Width	460.0 mm 18.1 in
Depth	350.0 mm 13.8 in
Shipping Weight	51.0 kg 112.4 lb

Regulatory Compliance/Certifications

Agency: FCC, CE, RoHS, REACH, etc.
Classification: Compliant by Exemption
China RoHS SJ/T 11364-2006 Above Maximum Concentration Value (MCV)
ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system.

DIAGRAM ABBREVIATIONS:

T.O.M. =	TOP OF MONOPINE
O.E.C. =	OUTDOOR EQUIPMENT CABINET
RRH =	REMOTE RADIO HEAD
PDF =	POWER DISTRIBUTION FRAME
LTE =	LTE PANEL ANTENNA
AWS =	AWS PANEL ANTENNA
PCS =	PCS PANEL ANTENNA

NEW HYBRID CABLE LENGTHS:

FROM (MAIN OVP) TO (MAIN OVP)				
MAIN TRUNK	SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	ESTIMATED CABLE/COAX LENGTH
-	-	HYB 6X12	2	~7'

FROM (MAIN OVP) TO (RRH)				
RRH JUMPERS	SECTOR	CABLE/COAX SIZE (NOMINAL)		ESTIMATED CABLE/COAX LENGTH
		HYB 1X1	QUANTITY	
		X	HYB 1X1	
	X	HYB 1X1	1	~8'
	X	HYB 1X1	1	~9'
	X	HYB 1X1	1	~9'
	Y	HYB 1X1	1	~7'
	Y	HYB 1X1	1	~5'
	Y	HYB 1X1	1	~5'
	Y	HYB 1X1	1	~7'
	Y	HYB 1X1	1	~5'
	Z	HYB 1X1	1	~5'
Z	HYB 1X1	1	~5'	
Z	HYB 1X1	1	~7'	

FROM (RRH) TO (ANTENNAS)				
ANTENNA JUMPERS	SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	ESTIMATED CABLE/COAX LENGTH
X	X	1/2" Ø	16	CUT TO FIT
Y	Y	1/2" Ø	16	CUT TO FIT
Z	Z	1/2" Ø	16	CUT TO FIT

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DESIGNED FOR:

verizon
3131 SOUTH VAUGHN WAY, SUITE 550
AURORA, COLORADO 80014

DESIGNED BY:

J5 INFRASTRUCTURE PARTNERS
AZ - CA - CO - ID - NM - NV - TX - UT

PROJECT NAME:

CSP SCAREBROOK
EXISTING 68'-0" MONOPINE
(OVERALL HEIGHT: 73'-0" A.G.L.)
COLLOCATION COMMUNICATION SITE

PROJECT ADDRESS:

17997 SIERRA WAY
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE:

ANTENNA INFORMATION & RRH HYBRID CABLE DIAGRAM & CHART

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/28/18	MKR	-

SAVE DATE: 8/28/2018 9:03 AM

SHEET NUMBER: RF1

APPROVED FOR LEASING/ZONING

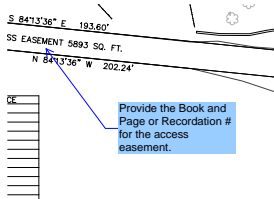
Markup Summary

dsdgrimm (5)

Add PCD
File No.
TWR183

Subject: Engineer
Page Label: 3
Lock: Unlocked
Author: dsdgrimm
Date: 9/25/2018 4:58:54 PM
Color: ■

Add PCD File No. TWR183



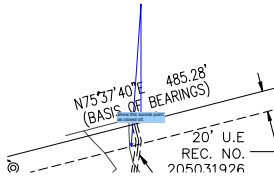
Subject: Engineer
Page Label: 5
Lock: Unlocked
Author: dsdgrimm
Date: 9/25/2018 4:59:53 PM
Color: ■

Provide the Book and Page or
Recordation # for the access easement.

Add PCD
File No.
TWR183

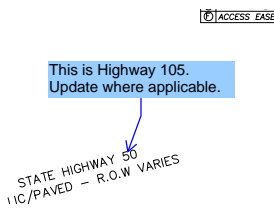
Subject: Engineer
Page Label: 1
Lock: Unlocked
Author: dsdgrimm
Date: 9/25/2018 5:00:34 PM
Color: ■

Add PCD File No. TWR183



Subject: Engineer
Page Label: 3
Lock: Unlocked
Author: dsdgrimm
Date: 9/25/2018 5:01:17 PM
Color: ■

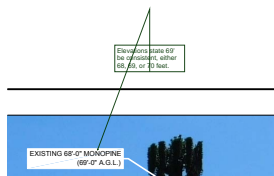
Show this access point as closed off.



Subject: Engineer
Page Label: 3
Lock: Unlocked
Author: dsdgrimm
Date: 9/25/2018 5:01:37 PM
Color: ■

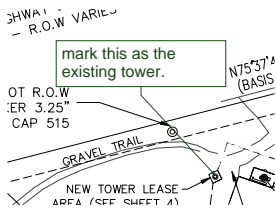
This is Highway 105. Update where
applicable.

dsdkendall (4)



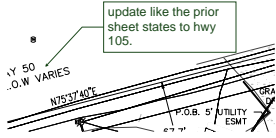
Subject: Callout
Page Label: 2
Lock: Locked
Author: dsdkendall
Date: 9/28/2018 9:50:46 AM
Color: ■

Elevations state 69' be consistent, either
68, 69, or 70 feet.



Subject: Callout
Page Label: 3
Lock: Locked
Author: dsdkendall
Date: 9/28/2018 9:50:47 AM
Color: ■

mark this as the existing tower.



Subject: Callout
Page Label: 4
Lock: Locked
Author: dsdkendall
Date: 9/28/2018 9:50:48 AM
Color: ■

update like the prior sheet states to hwy 105.

Make sure these match the elevation plans that are resubmitted.

Subject: Text Box
Page Label: 11
Lock: Locked
Author: dsdkendall
Date: 9/28/2018 9:50:48 AM
Color: ■

Make sure these match the elevation plans that are resubmitted.