

BUILDING CODE SUMMARY:	
ALL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING APPLICABLE CODES:	
USED	Code Year / Type: (ORDINANCE)
X	2017 PIKES PEAK REGIONAL BUILDING CODE (RBC)
X	2015 INTERNATIONAL BUILDING CODE (IBC)
X	2015 INTERNATIONAL PLUMBING CODE (W/O CHAP. 13) (IPC)
X	2015 INTERNATIONAL FUEL GAS CODE (IFGC)
X	2015 INTERNATIONAL RESIDENTIAL CODE (IRC)
X	2015 INTERNATIONAL MECHANICAL CODE (IMC)
X	2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
X	2015 INTERNATIONAL FIRE CODE (IFC)
X	2017 NATIONAL ELECTRICAL CODE (NEC)
REFER TO BUILDING PERMIT DOCUMENTS AND ALL CONSTRUCTION DOCUMENTS FOR ADDITIONAL CODE REQUIREMENTS.	

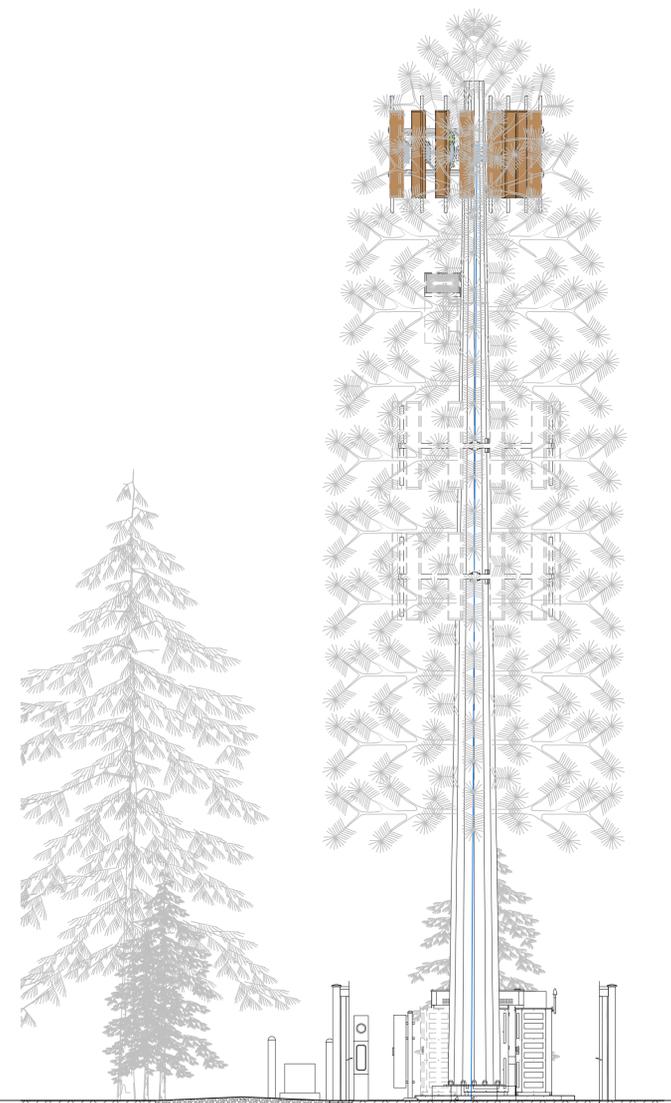


CSP HIGBY (ALT A)

PROJECT NO. 20141043268
PUBLIC RECORD PARCEL NO. 6100000298

1480 EAST HIGBY ROAD
MONUMENT, COLORADO 80132
EL PASO COUNTY

NEW 70'-0" MONOPINE
(OVERALL HEIGHT: 75'-0" A.G.L.)
RAWLAND COMMUNICATION SITE



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



THESE DRAWINGS AND SURVEYS ARE COPYRIGHT PROTECTED 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 WITHIN SAID DOCUMENTS IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF J5 INFRASTRUCTURE PARTNERS.

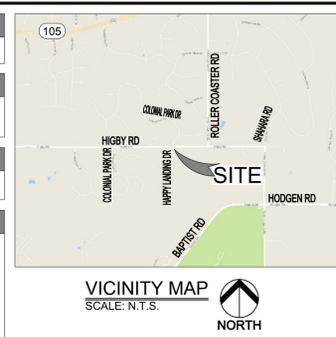
SHEET INDEX		
SHEET	TITLE	REV.
T1	TITLE SHEET	1
SP1	SPECIFICATION & PHOTO SHEET	1
1	TOPOGRAPHIC SURVEY	5
Z1	SITE PLAN & SETBACK SITE PLAN	1
Z2	ENLARGED SITE PLAN & EQUIPMENT LAYOUT PLAN	1
TC1	FIBER COORDINATION SITE PLAN	1
PC1	POWER COORDINATION SITE PLAN	1
E1	SINGLE-LINE DIAGRAM & NOTES	A
E2	ELECTRICAL SITE PLAN	A
G1	GROUNDING SITE PLAN	A
G2	GROUNDING DETAILS	A
S-1	FENCE AND FOUNDATION	0
RF1	ANTENNA INFORMATION & RRH/HYBRID CABLE DIAGRAM & CHART	1

PROJECT INDEX:	
APPLICANT/CLIENT:	VERIZON CONSTRUCTION DEPARTMENT 3131 VAUGHN WAY, SUITE 550 AURORA, COLORADO 80014
CONTACT:	ALLEN MILLER PHONE: 941-993-4916 EMAIL: ALLEN.MILLER@VERIZONWIRELESS.COM
ENGINEERS/DESIGNERS:	J5 INFRASTRUCTURE PARTNERS 8392 S CONTINENTAL DIVIDE RD, UNIT 101 LITTLETON, CO 80127
CONTACT:	STEVE HAAG PHONE: 303-683-3194 EXT. 151
SURVEYOR:	GALLOWAY 1755 TELSTAR DRIVE, SUITE 107 COLORADO SPRINGS, CO 80920
CONTACT:	BRIAN DENNIS PHONE: 719-900-7220
SITE ACQUISITION:	J5 INFRASTRUCTURE PARTNERS 8392 S CONTINENTAL DIVIDE RD, UNIT 101 LITTLETON, CO 80127
CONTACT:	PERRY CARROLL MOBILE: 303-435-2252 EMAIL: pccarroll@j5ip.com

GENERAL PROJECT NOTES:	
1.	PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE SCOPE OF WORK AND ALL CONDITIONS AFFECTING THE PROPOSED PROJECT.
2.	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.
3.	ALL FIELD MODIFICATIONS BEFORE, DURING, OR AFTER CONSTRUCTION SHALL BE APPROVED IN WRITING BY A VERIZON REPRESENTATIVE.
4.	INSTALL ALL EQUIPMENT AND MATERIALS PER THE MANUFACTURER'S RECOMMENDATIONS, UNLESS INDICATED OTHERWISE.
5.	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.
6.	CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK UNDER THE CONTRACT.
7.	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.
8.	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.
9.	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:	ASPEN WILLOW ESTATES LLC 1480 EAST HIGBY ROAD MONUMENT, COLORADO 80132-8357 CONTACT: CHUCK WOODALL PHONE: (719) 265-6677
JURISDICTION:	EL PASO COUNTY 2880 INTERNATIONAL CIRCLE COLORADO SPRINGS, COLORADO 80910 PIKES PEAK REGIONAL BUILDING DEPARTMENT CONTACT: MICHAEL REBENAR, PLANNER PHONE: (719) 520-6442
PUBLIC RECORD PARCEL NO.:	6100000298

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:	
SITUATE WITHIN A TRACT OF LAND IN THE SE ¼ OF S20, T11S, RANGE 66 WEST OF THE 6TH PM, EL PASO COUNTY, COLORADO.	
PROJECT DESCRIPTION:	
INSTALLATION • ONE (1) 70'-0" MONOPINE (DESIGNED BY OTHERS) • ONE (1) NEW COMMSCOPE RBA72-36 CABINET MOUNTED ON CONCRETE PAD • ONE (1) NEW COMMSCOPE RBA72-30 CABINET MOUNTED ON CONCRETE PAD • ONE (1) NEW CONCRETE PAD FOR EQUIPMENT CABINETS • ONE (1) NEW OUTDOOR GENERATOR WITH DIESEL BELLY TANK MOUNTED ON CONCRETE PAD • ONE (1) NEW MAIN OVP UNIT • SIX (6) NEW RRH UNITS • ONE (1) NEW LOW INDUCTANCE HYBRID CABLE • NEW BARBLESS FENCE ENCLOSURE WITH GATE • SIX (6) NEW PANEL ANTENNAS • TWO (2) NEW 4"Ø PVC CONDUIT PIPES FOR CABLING • THREE (3) NEW 4"Ø CONCRETE BOLLARDS FUTURE INSTALLATION • ONE (1) FUTURE 4'-0" MICROWAVE ANTENNA • TWO (2) FUTURE CARRIERS • ONE (1) FUTURE COMMSCOPE RBA72-30 CABINET MOUNTED ON CONCRETE PAD • ONE (1) FUTURE MAIN OVP UNIT • SIX (6) FUTURE RRH UNITS • ONE (1) FUTURE LOW INDUCTANCE HYBRID CABLE • SIX (6) FUTURE PANEL ANTENNAS	



DRIVING DIRECTIONS:
FROM THE VERIZON OFFICE LOCATED AT 3131 SOUTH VAUGHN WAY, AURORA, CO: HEAD WEST ON S VAUGHN WAY. MERGE ONTO CO-83N PARKER RD VIA THE RAMP ON THE LEFT. MERGE ONTO I-225 S. USE THE LEFT LANES TO TAKE EXIT 1A FOR INTERSTATE 25 S FOR 5.2 MI. CONTINUE STRAIGHT TO STAY ON I-25 S FOR 34.3 MI. TAKE EXIT 161 FOR CO-105 TOWARD MONUMENT/PALMER LAKE. TURN RIGHT ONTO CO-105 E. TURN RIGHT ONTO JACKSON CREEK PKWY FOR 1.1 MI., TURN LEFT ONTO HIGBY RD FOR 3.1 MI., TURN RIGHT ONTO HAPPY LANDING DRIVE. DESTINATION WILL BE ON THE LEFT.

DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
AURORA, COLORADO 80014

DESIGNED BY:

PROJECT NAME: CSP HIGBY (ALT A)
NEW 70'-0" MONOPINE
(OVERALL HEIGHT: 75'-0" A.G.L.)
RAWLAND COMMUNICATION SITE

PROJECT ADDRESS: 1480 EAST HIGBY ROAD
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE: TITLE SHEET

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/27/20	MKR	-
1	REVISED FROM PLATFORM TO CONCRETE PAD	10/1/20	RT	-

SAVE DATE: 10/1/2020 11:08 AM

SHEET NUMBER: T1

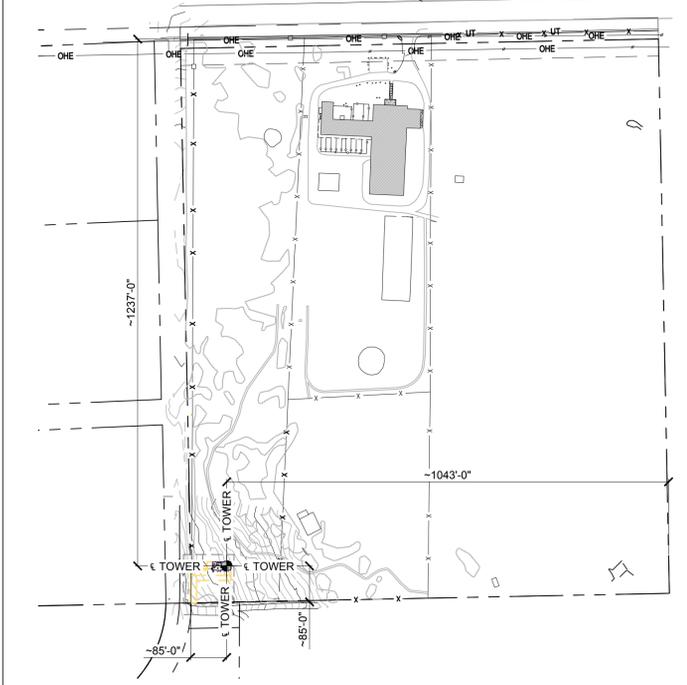
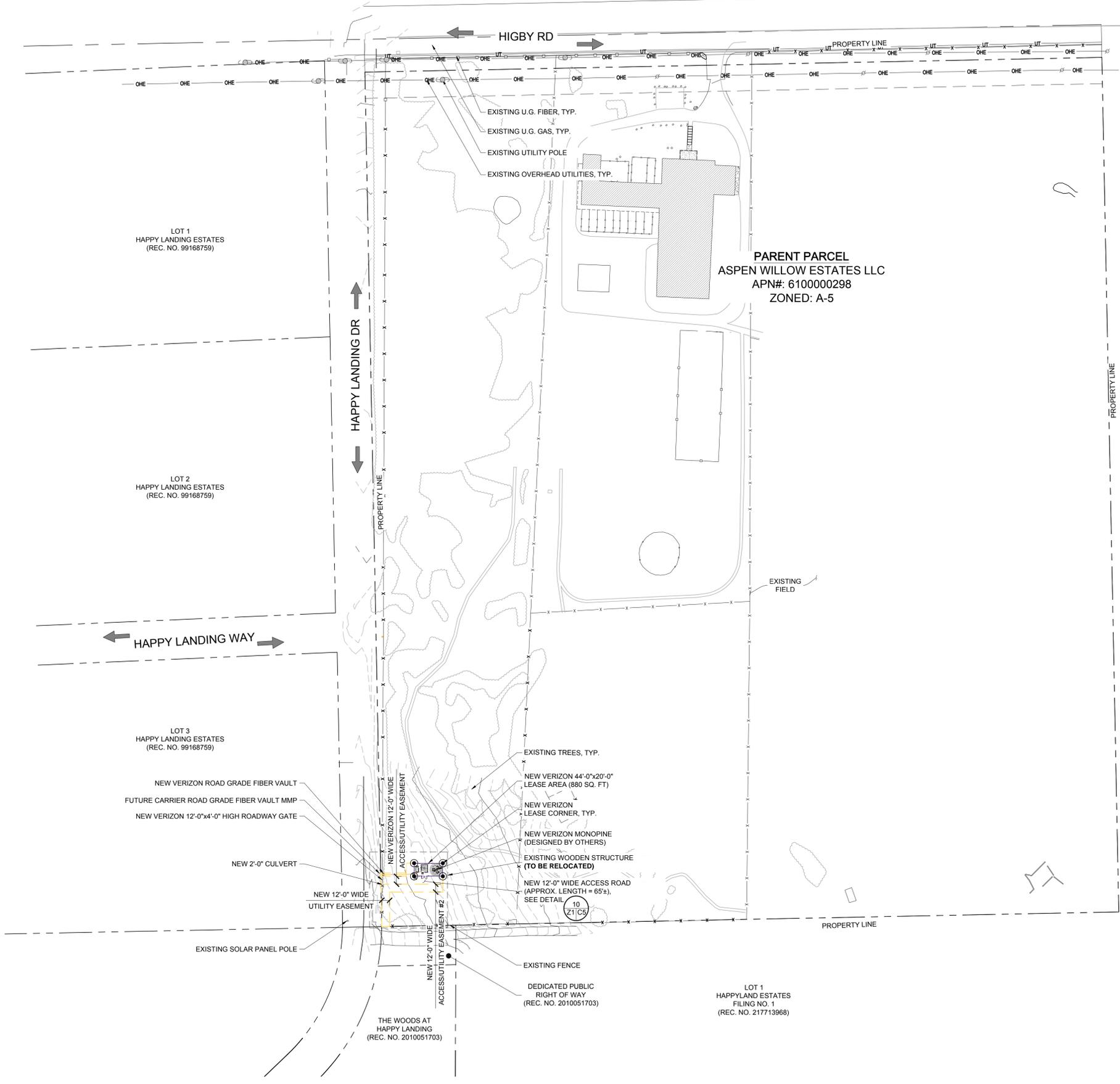
SITE NOTES:
 1. SITE WILL REQUIRE AN ACCESS PERMIT. PERMIT CAN BE OBTAINED FROM THE EL PASO PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT, AND CAN BE APPLIED FOR ONLINE.

PCD FILE NUMBER PPR-20-022

SETBACK TABLE:

	TOWER BASE TO PARENT PROPERTY LINE	LEASE BOUNDARY TO PARENT PROPERTY LINE
NORTH	~1237'-0"	~1227'-0"
EAST	~1043'-0"	~1033'-0"
SOUTH	~85'-0"	~75'-0"
WEST	~85'-0"	~51'-0"

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



SETBACK SITE PLAN
 SCALE: 1" = 200'-0"
 NORTH

APPROVED FOR LEASING/ZONING

THESE DRAWINGS AND SURVEYS ARE COPYRIGHT PROTECTED 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 WITHIN SAID DOCUMENTS IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF J5 INFRASTRUCTURE PARTNERS.

DESIGNED FOR:

3131 SOUTH VAUGHN WAY, SUITE 550
 AURORA, COLORADO 80014

DESIGNED BY:

PROJECT NAME: CSP HIGBY (ALT A)
 NEW 70'-0" MONOPINE
 (OVERALL HEIGHT: 75'-0" A.G.L.)
 RAWLAND COMMUNICATION SITE

PROJECT ADDRESS:
 1480 EAST HIGBY ROAD
 MONUMENT, COLORADO 80132
 EL PASO COUNTY

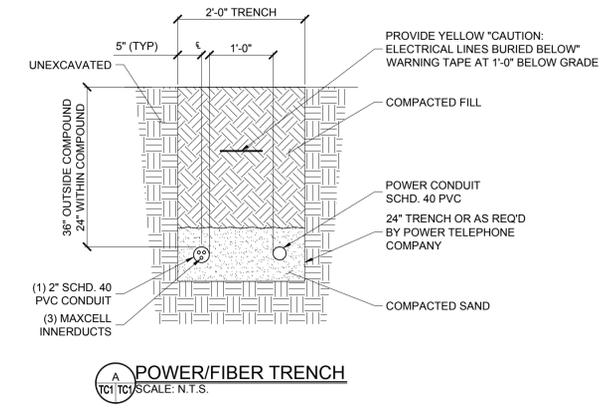
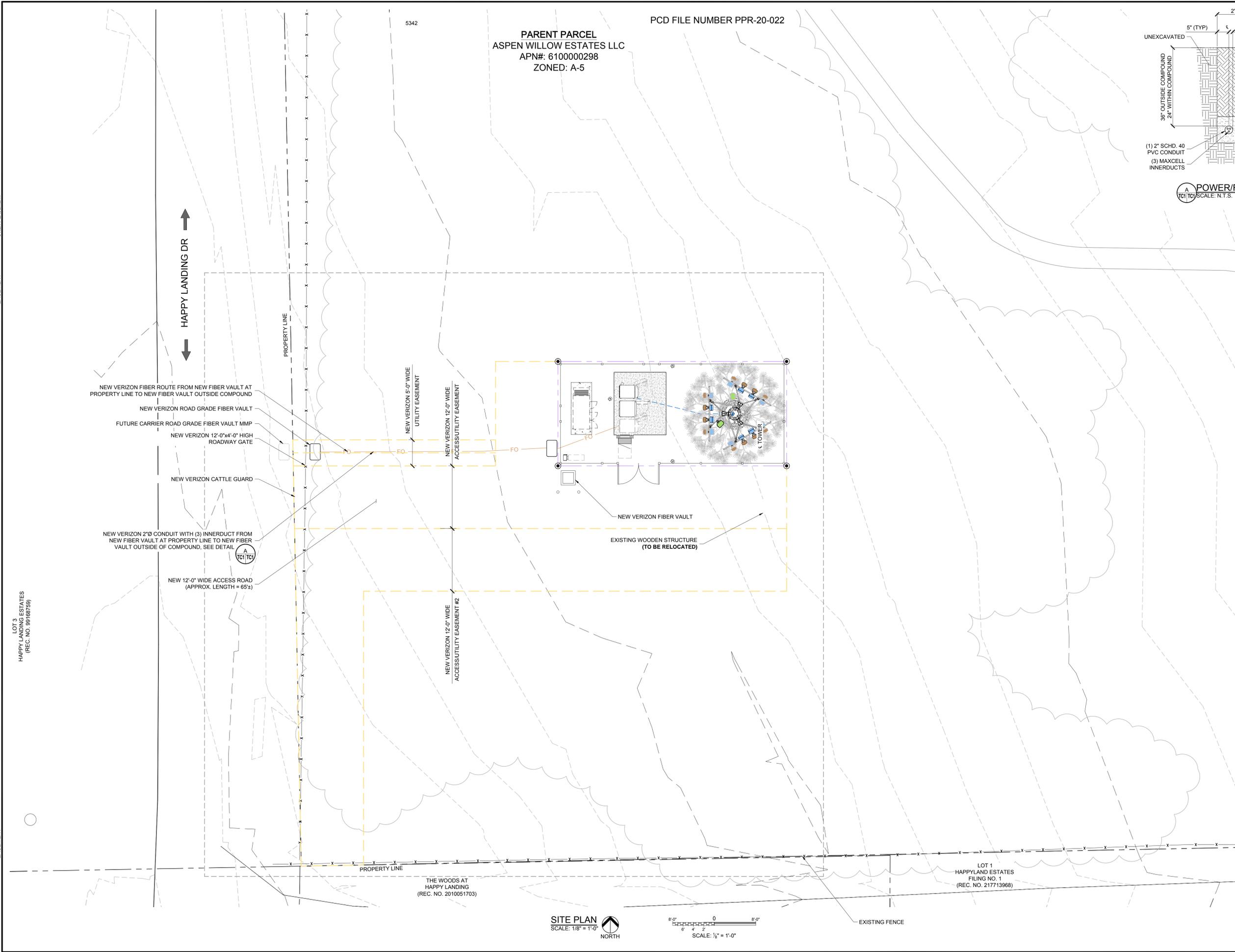
SHEET TITLE:
SITE PLAN & SETBACK SITE PLAN

REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/27/20	MKR	-
1	REVISED FROM PLATFORM TO CONCRETE PAD	10/1/20	RT	-

SAVE DATE: 10/1/2020 11:08 AM
 SHEET NUMBER: Z1

SITE PLAN
 SCALE: 1" = 80'-0"
 NORTH

EXISTING
WALL HATCH
NEW WORK/
UTILITY EASEMENT
ACCESSIBILITY
EASEMENT
HYBRID CABLE/SOA
DC POWER
FIBER
ANTENNAS
RR/HIBBU
LEASE AREA
EXISTING
EASEMENT
PENETRATIONS



APPROVED FOR LEASING/ZONING

THESE DRAWINGS AND SURVEYS ARE COPYRIGHT PROTECTED 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 WITHIN SAID DOCUMENTS IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF J5 INFRASTRUCTURE PARTNERS.

DESIGNED FOR:

verizon

3131 SOUTH VAUGHN WAY, SUITE 550
AURORA, COLORADO 80014

DESIGNED BY:

J5 INFRASTRUCTURE PARTNERS

PROJECT NAME:

CSP HIGBY (ALT A)
NEW 70'-0" MONOPINE
(OVERALL HEIGHT: 75'-0" A.G.L.)
RAWLAND COMMUNICATION SITE

PROJECT ADDRESS:

1480 EAST HIGBY ROAD
MONUMENT, COLORADO 80132
EL PASO COUNTY

SHEET TITLE:

FIBER COORDINATION
SITE PLAN

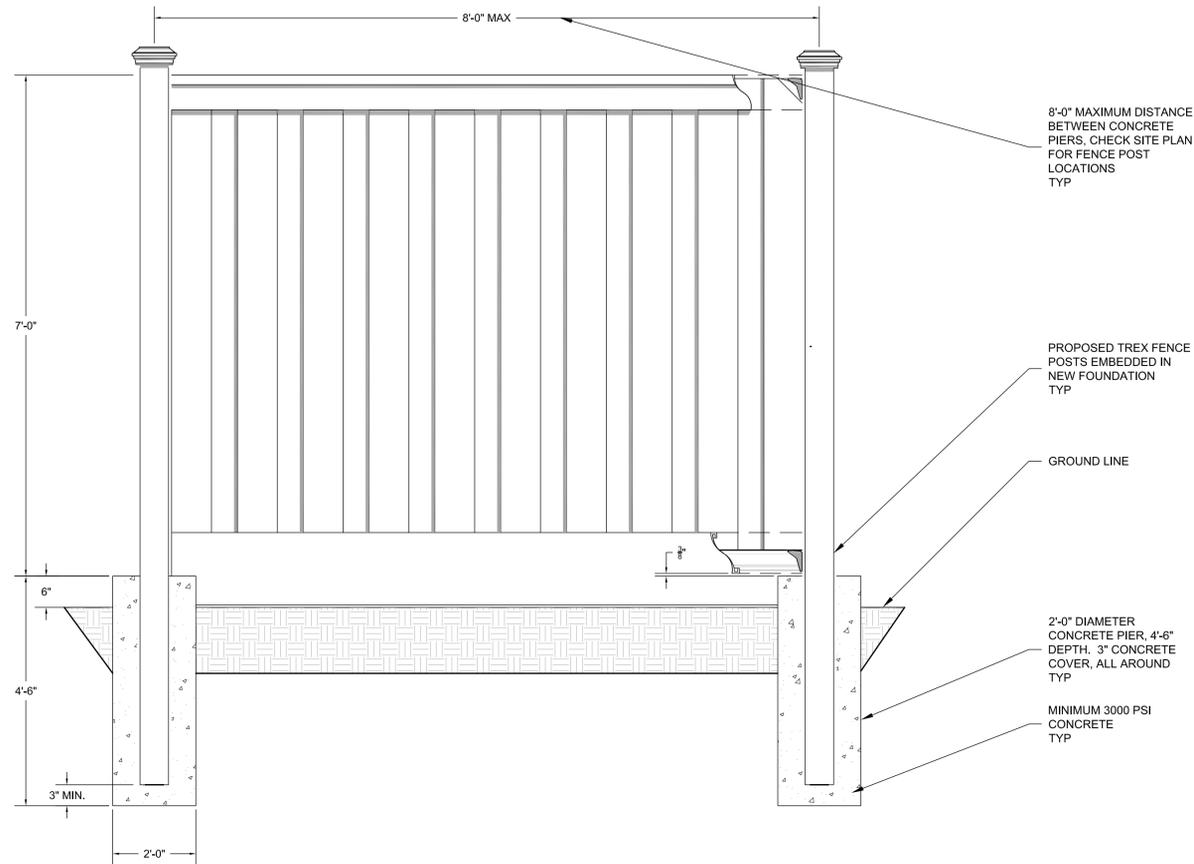
REV	DESCRIPTION	DATE	BY	CHK
0	APPROVED FOR LEASING & ZONING	08/27/20	MKR	-
1	REVISED FROM PLATFORM TO CONCRETE PAD	9/30/20	RT	-

SAVE DATE: 9/30/2020 3:17 PM

SHEET NUMBER: TC1

SITE PLAN
SCALE: 1/8" = 1'-0"

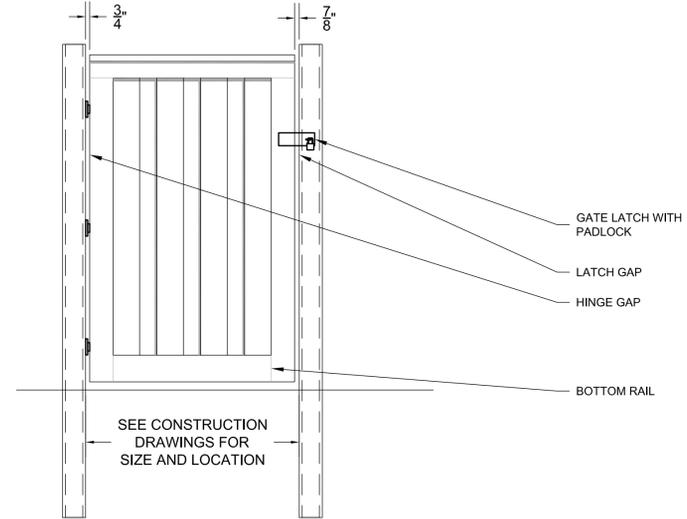
SCALE: 1/4" = 1'-0"



1 FENCE (ELEVATION)
S-1 N.T.S.

NOTES:

1. INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
2. THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES. REFER TO MANUFACTURER'S INSTALLATIONS FOR CONSTRUCTION DETAILS.
3. REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT INFORMATION.
4. DRAWING NOT TO SCALE.



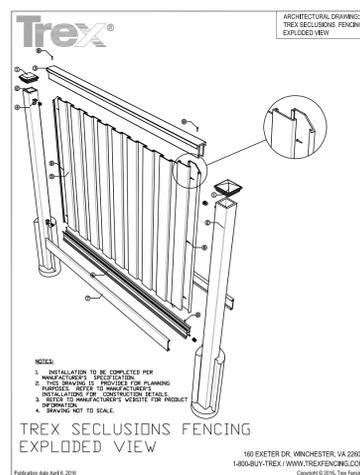
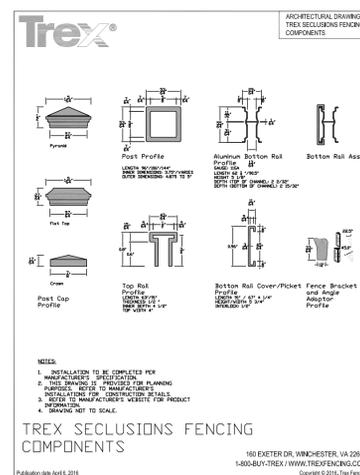
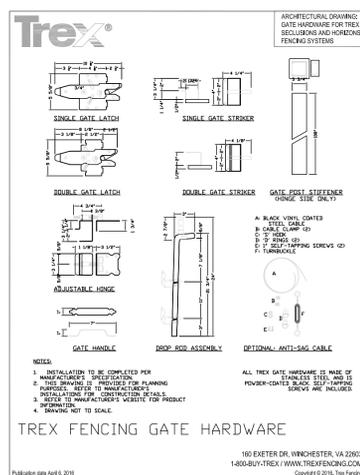
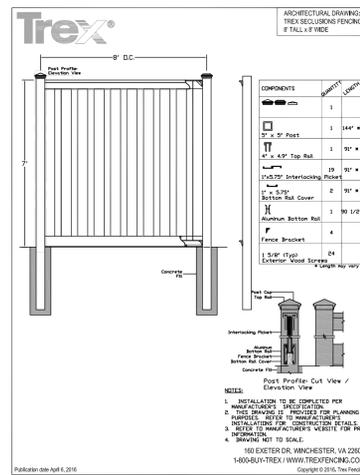
2 FENCE GATE
S-1 N.T.S.

NOTES:

1. INSTALLATION TO BE COMPLETED PER MANUFACTURER'S SPECIFICATION.
2. THIS DRAWING IS PROVIDED FOR PLANNING PURPOSES. REFER TO MANUFACTURER'S INSTALLATIONS FOR CONSTRUCTION DETAILS.
3. REFER TO MANUFACTURER'S WEBSITE FOR PRODUCT INFORMATION.
4. DRAWING NOT TO SCALE.

GENERAL STRUCTURAL NOTES:

1. DESIGN INFORMATION AND GENERAL REQUIREMENTS
 - 1.1 CODES
 - a. DESIGN TO CONFORM TO 2017 PIKES PEAK REGIONAL BUILDING CODE AND 2015 INTERNATIONAL BUILDING CODE, W/ LOCAL AMENDMENTS.
 - b. AMERICAN CONCRETE INSTITUTE (ACI), BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE 318.
 - c. ALL DESIGNS SHOULD CONFORM TO ABOVE CODES AND ARE CERTIFIED BY A STRUCTURAL ENGINEER.
 - 1.2 LOADS
 - a. WIND LOAD SHALL BE 130 MPH ULTIMATE BASED ON PIKES PEAK REGIONAL BUILDING CODE.
 - 1.3 MISCELLANEOUS
 - a. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
 - b. REFER TO STRUCTURAL ANALYSIS FOR CHECK OF PROPOSED CONCRETE PIERS.
 - c. ALL MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO REQUIRED CODES AND NOTES WITHIN THIS CONSTRUCTION SET.





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

PROJECT #: DK19-0338

REVISION SCHEDULE

REV	DATE	BY	DESCRIPTION
0	12-30-2019	DR	FENCE DRAWINGS

DRAWING TITLE:

FENCE AND FOUNDATION

DRAWING SHEET:

S-1

SHEET NUMBER:

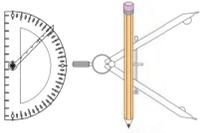
1 OF 1

SITE INFORMATION:

SITE NAME:
CSP HIGBY

SITE ADDRESS:
**1480 EAST HIGBY ROAD,
MONUMENT, CO 80132**

JURISDICTION:
**PIKES PEAK REGIONAL
BUILDING DEPARTMENT**



STRUCTURAL ENGINEERING

5023 W. 120TH AVE SUITE #110
BROOMFIELD, COLORADO 80020
PH: (972) 839-4522
PM@DKSTRUCTURAL.COM

DANIEL F. RECKERT, P.E.
COLORADO PROFESSIONAL ENGINEER
LICENSE # 52731 (EXP. 10/31/2021)

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

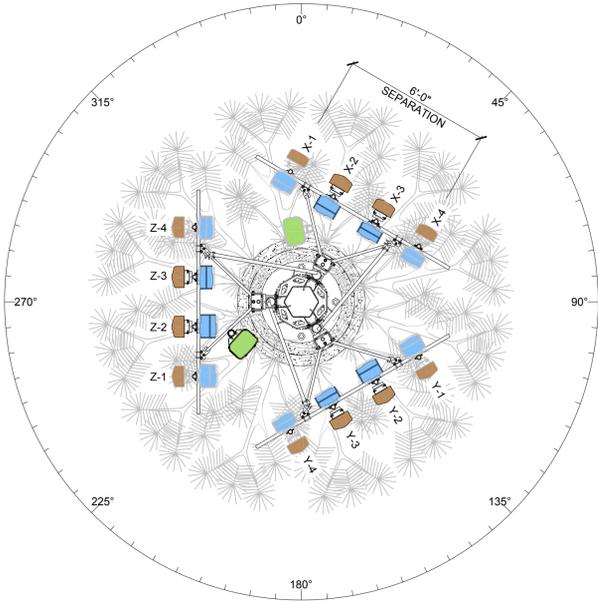
PCD FILE NUMBER PPR-20-022

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
65'-0"	30° 150°	ANDREW NHH-65C-R2B 6' PANEL ANTENNA	4	SEE ANTENNA MOUNT SCHEDULE	(1) LOW INDUCTANCE HYBRID CABLES (NEW)	SEE PLUMBING DIAGRAM	-
	270°	COMMSCOPE NHH-65B-R2B 6' PANEL ANTENNA	2		(1) LOW INDUCTANCE HYBRID CABLES (FUTURE)		
	30° 150° 270°	6' PANEL ANTENNA	6 (FUTURE)				

NOTES:

- FOR EXACT ANTENNA INFORMATION REFER TO THE RF DESIGN.
- ALL NEW COAX SHALL BE INSTALLED ON INSIDE OF NEW MONOPINE.
- CONTRACTOR TO INSTALL DIPLEXERS IN SHELTER AND ON TOWER AS REQUIRED BY RF DESIGN (IF APPLICABLE).
- NEW AND/OR FUTURE VERIZON MICROWAVES NOT SHOWN FOR CLARITY.



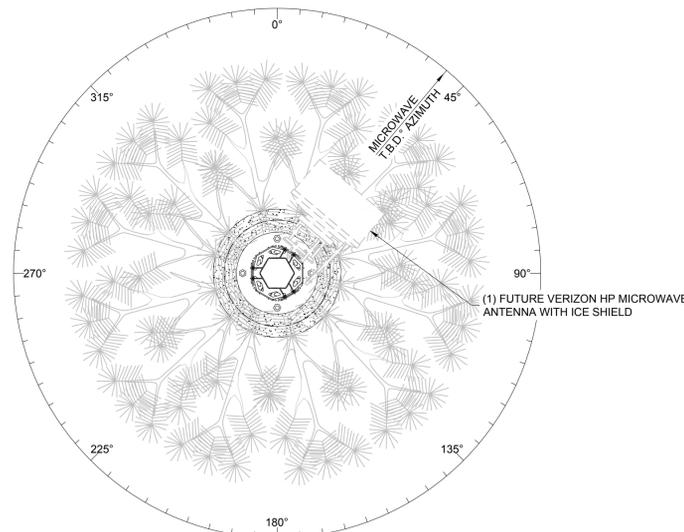
ANTENNA SECTION @ 65'-0"
SCALE: N.T.S.

FUTURE VERIZON MICROWAVE SCHEDULE:

ATTACH LEVEL (COR)	AZIMUTHS (DEG. TN)	ANTENNA TYPE	ANTENNA QUANTITY	MOUNT TYPE	COAX (QUANTITY) SIZE (NOMINAL)	ESTIMATED COAX CABLE LENGTH	FACING
54'-0"	T.B.D.	4'-0" HP MICROWAVE	1	SEE ANTENNA MOUNT SCHEDULE	T.B.D.	T.B.D.	T.B.D.

NOTES:

- FOR EXACT MICROWAVE INFORMATION REFER TO THE MICROWAVE DESIGN.



MICROWAVE SECTION @ T.B.D.
SCALE: N.T.S.

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 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 MOUNT SCHEDULE:

QUANTITY	DESCRIPTION	PART NUMBER(S)
1	10'-6" FACE SECTOR FRAME • (2) RING MOUNTS • (12) 96" PIPES • (3) SECTOR FRAMES • PIPE MOUNTS • STIFF ARM	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 ALL 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.

DIAGRAM ABBREVIATIONS:

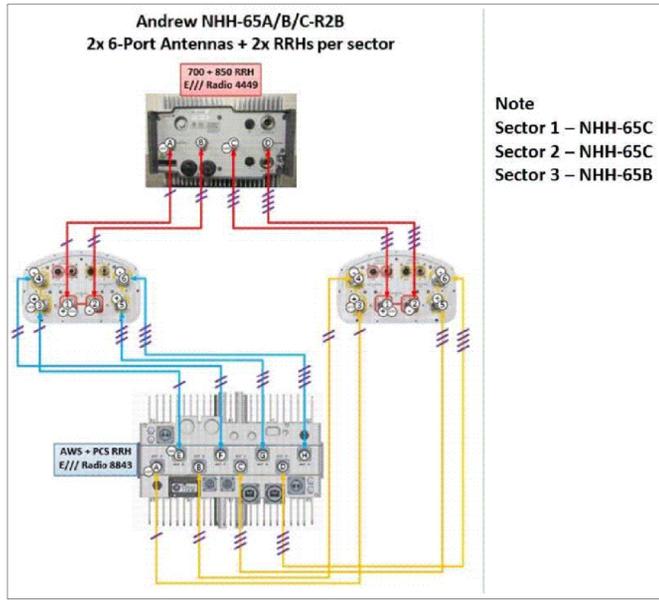
T.O.M.=	TOP OF MONOPINE
O.E.C.=	OUTDOOR EQUIPMENT CABINET
RRH=	REMOTE RADIO HEAD
PDF=	POWER DISTRIBUTION FRAME
LTE=	LTE PANEL ANTENNA
AWS=	AWS PANEL ANTENNA
PCS=	PCS PANEL ANTENNA

NEW HYBRID CABLE LENGTHS:

FROM (MAIN OVP) TO (MAIN OVP)				
SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	ESTIMATED CABLE/COAX LENGTH	
-	HYB 6X12	1	~105'	
-	HYB 6X12	1	~105'	

FROM (MAIN OVP) TO (RRH)				
SECTOR	CABLE/COAX SIZE (NOMINAL)	CABLE/COAX (QUANTITY)	ESTIMATED CABLE/COAX LENGTH	
X	HYB 1X1	1	~12'	
	HYB 1X1	1	~12'	
	HYB 1X1	1	~12'	
Y	HYB 1X1	1	~13'	
	HYB 1X1	1	~13'	
	HYB 1X1	1	~13'	
Z	HYB 1X1	1	~12'	
	HYB 1X1	1	~12'	
	HYB 1X1	1	~12'	

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



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

APPROVED FOR LEASING/ZONING

THESE DRAWINGS AND SURVEYS ARE COPYRIGHT PROTECTED 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 WITHIN SAID DOCUMENTS IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF J5 INFRASTRUCTURE PARTNERS.



DESIGNED FOR: CSP HIGBY (ALT A)
NEW 70'-0" MONOPINE
(OVERALL HEIGHT: 75'-0" A.G.L.)
RAWLAND COMMUNICATION SITE

PROJECT ADDRESS: 1480 EAST HIGBY ROAD
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	08/27/20	MKR	-
1	REVISED FROM PLATFORM TO CONCRETE PAD	10/1/20	RT	-

SAVE DATE: 10/1/2020 11:08 AM
SHEET NUMBER: RF1