T - Mobile-

SITE NAME: **SW SPRINGS**

SITE NUMBER:

T. Mobile.

T-MOBILE WEST, LLC 2323 DELGANY STREET DENVER, CO 80216

DN04163B

2520 ARLINGTON DR. COLORADO SPRINGS, CO 80910 **LOCATION:**

CONSTRUCTION DRAWINGS

T-MOBILE WEST LLC 2323 DELGANY ST. DENVER, CO 80216

38.808950 N 104.777981 W

LATITUDE: LONGITUDE:

COUNTY:

EL PASO

6029' AMSL UNMANNED

GROUND ELEVATION: OCCUPANCY TYPE: R-1 6000/CU 6428103028

ZONING JURISDICTION:

ZONING:

<u>TB</u>

POWER PROVIDER: PARCEL NUMBER:

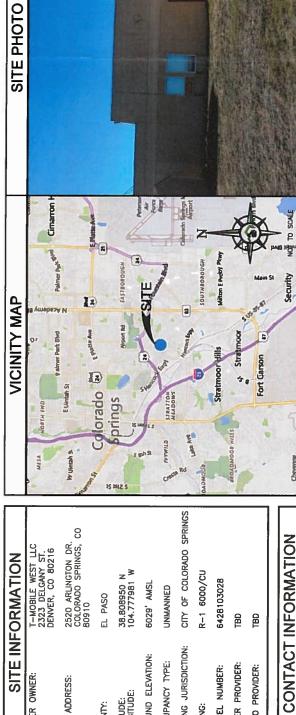
TELCO PROVIDER:

SITE INFORMATION

TOWER OWNER

SITE ADDRESS:

60'-0" BELL TOWER



DRIVING DIRECTIONS

FROM T-MOBILE OFFICE (2323 DELGANY ST., DENVER, CO 80216):

ENGINEERING:
POWDER RIVER DEVELOPMENT SERVICES, LLC. 219 S. WOODDALE AVE.
EAGLE, ID 83516
CONTACT: DON GEORGE, PE, SE, MLSE
PHONE: (208) 602–6469
EMALL: don.georgeOpowderriverdev.com

APPLICANT:
T-MOBILE WEST LLC
2323 DELCANY STREET
DENVER, CO 80216
CONTACT: DENVER FULLER
PHONE: (303) 257–0659
EMAL: denise,fuller18@t-mobile.com

DEPART DELGANY ST & TURN RIGHT ONTO PARK AVE W. BEAR RIGHT ONTO FOX ST. TAKE RAMP FOR 1—25 S/US—87 S. TAKE RAMP RIGHT & TURN LEFT ONTO S CIRCLE DR/LAKE AVE. TURN RIGHT ONTO ARLINGTON DR. TURN LEFT INTO CHURCH PARKING LOT IMMEDIATELY AFTER RAINIER DR. SITE WILL BE LOCATED IN THE EMPTY FIELD TO THE NORTHWEST OF THE CHURCH.

LEGAL DESCRIPTION

LINA SUBDIVISION, A REPLAT OF LOTS 12 AND 13, BLOCK 1 STRATMOOR HILLS ADDITION NO.4 AS RECORDED IN BOOK OF IN THE RECORDS OF EL PASO COLUNTY, COLORADO. AND BEING THE SAME PROPERTY CONVEYED TO THE STRATMOOR SISTRICT FROM THE CRESTMARK CORPORATION, A COLORADO CORPORATION BY WARRANTY DEED DATED JANUARY 10, 1983 IN DEED BOOK 3658, PAGE 684. LOT 2 IN CATALI S-3 AT PAGE 4 HILLS WATER DIS AND RECORDED

DO NOT SCALE DRAWINGS

SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE NEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME CONTRACTOR

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SCOPE OF WORK

GROUNDING DETAILS

6-4

INSTALL (1) 12"-0"x10"-0" CONCRETE EQUIPMENT PAD W/ ASSOCIATED EQUIPMENT & (1) 60"-0" BELL TOWER W/ (9) 8' ANTENNAS, (3) FRIG UNITS, (3) FRLB UNITS, (2) FXFC UNITS, (1) COVP UNIT & (1) HYBRID CABLE, ALL WITHIN A NEW 20"-0"x50"-0" COMPOUND SURROUNDED BY AN B" CMU WALL.

APPLICABLE CODES

BUILDING CODE 2012 IBC ELECTRICAL CODE 2014 NEC

~ N N ш 2520 ARLINGTON DR. COLORADO SPRINGS, CO WDERRIVE Engineering Services, LLC www.powderriverdev.com DN04163B SW SPRINGS SITE INFORMATION 80910 POWDER JCENSE #:

TITLE SHEET SHEET TITLE:

2.2 SECURITY FENCE
A PROVIDE AND INSTALL THE GALVANIZED FENCE WITH ASSOCIATED
A POSTS. RAILS. BRACES, FABRIC. TERMINAL POST, GATES, DROP BAR AND
BARBED WIRE. USE APPLICABLE PROVISIONS OF ASTIN FOR MATERIALS.
B. FABRIC SHALL BE HAVY GALVANIZED CHANN LINK FENCE.
CONFORMING TO ASTIN ASSO. 2—INCH MESH 9 GALGE WIRE 0.148 INCHES
IN DIMMETER?
IN DIMMETERS THAT BE SHALL BE SHALL BE 2 J/8 INCH 0.0.
ALL POSTS SHALL BE SCHEDULE 40 GALVANIZED IN ACCORDANCE WITH
OWNER, SHALL CONFORM TO 1 J/4 INCH 60.0.) SCHEDULE 40
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T-MOBILE WEST, LLC 2323 DELGANY STREET DENVER, CO 80216

3.2 TRENCH EXCAVATION
A UNITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE PURITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS ON AS DIRECTED BY THE T-MOBILE CONSTRUCTION SUCREMING OF THE TRENCH WITH STENCY AND BRACING AS REQUIRED EXCHOLABLE.

WALLS.
B. THE TRENCH WITH EXTENCY BY A MINIMAMON OF B INCHES BEYOND EACH OUTSIDE EDGE OF THE CONDULT ON ROLITERADST CONDUT, WHICHCREN IS APPLICABLE.
C. WHEN SOFT, YIELDING OR OTHERWISE UNITY CONDITIONS ARE ENCOUNTERED AT THE REQUIRED TRENCH BOTOM ELEVATION, DVEN-EXCAVAITE THE TRENCH TO A DEPTH OF NO LESS THAN 12 THICH BECOME CONTINUE AND BACKFILL WITH GRANULAR BEDDING MATERIAL.
J. TRENCH BACK FILL
A. TRENCH BOTOM ELEVATION SUPERVISOR 24 HOURS IN ADVANCE OF BACK FILLING THE UNITY CHECK TESTS BEFORE BACK FILLING BACK FILL AND COMPACT FIRMINGS AND THE UNITY CHECK TESTS BEFORE BACK FILLING BACK FILL AND COMPACT FIRMING THE BEFORE ACCEPTANCE TESTS INGO THE CONDUITS. SOLIDLY RAM AND TAMP BECHEL CONDUIT FRO!! LATERAL IN STREAM, TO SHOUTH ENGENDENT DAMAGE FROM IMPACT OR UNBALANCED LEADING.
F. ARONE THE CONDUIT ENGEDMENT ZONE, PLACE AND COMPACT SHISTING.
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GENERAL NOTES

FIGURE 1

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RICLIDES, BUT ARE NOT LANDED TO, THE POLLOWING. THE COMPARZON

PER COMPANDAM AND CONSTRUCTION DISABANICAL SECTION AND WING

AN INCLUDE THE COMPANDAM STATE REPORTED AND SHALL DEFECT ALL WORK.

A THE COMPANDAM SEEDING PERFORMED AND SHALL DEFECT ALL WORK.

A THE COMPANDAM SEEDING PERFORMED AND SHALL DEFECT ALL WORK.

A THE COMPANDAM SEEDING PERFORMED AND SHALL DEFECT ALL WORK.

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1.1 INSPECTION AND TESTING
A. FIELD TESTING AND TESTING
A. FIELD TESTING OF EARTHWORK AGGREGATE BASE
COURSE, COMPACTION, AND CONCRETE TESTING SHALL BE
PERFORMED BY THE CONTRACTOR'S INDEPRINDENT TESTING
B. ALL WORK SHALL BE INSPECTION ON PELEASED BY
THE T-MOBILE CONSTRUCTION SUPERVISOR WHO SHALL
CARRY OUT HE GENERAL INSPECTION OF THE WORK WITH
SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE
WORK AS SPECIFIED AND/OR CALLED FOR ON THE
PROPERTY OUT HE GENERAL INSPECTION OF THE WORK
NACCESSIBLE ON DIFFICULT TO INSPECT.
1.2 SITE MANIFARMACE AND PROTECTION
OF COUNTEST INSPECTIONS PRIOR TO PROCEEDING WITH
FURTHER WORK THAT WOULD MAKE PARTS OF THE WORK
NACCESSIBLE OR DIFFICULT TO INSPECT.
1.2 SITE MANIFARMACE AND PROTECTION
OF THE CONTRACTIVE THE WORK UNIT. COMPLETION
OF THE CONTRACT.
1.2 SITE MANIFACTIVES. THE STEEN STEEN SERVICE
FROM COMMENCEMENT OF THE WORK UNIT. COMPLETION
OF THE CONTRACT.
1.2 SITE MANIFACTIVES. THE STEEN SERVICE
FROM TO ANY EXCANATION ACTIVATIES TO HAVE LOCATIONS
OF THE CONTRACT.
1.2 SITE MANIFACTIVES. THE STEEN STEEN SERVICE
FROM TO ANY EXCANATION ACTIVATIES TO HAVE LOCATIONS
OF THE CONTRACT.
1.2 SITE MANIFACTION OF THE WORK.
1.3 SITE REE OF ALL PONDING WATER.
2. SYSTING FACSIMILES THAT ARE NOT DESIGNATED FOR
REMOVAL FROM BEING DAMAGED BY THE WORK.
2. SHOUTE RESIDENCE METERS AND SHIMLAR DEVICES.
3. SHOUTE RESIDENCE METERS AND SHIMLAR DEVICES.
3. SHOUTE RESIDENCE WITH THE DEPARTMENT OF TRANSPORTATION
OF STATE IN WHICH THE PROJECT IS LOCATED.
5. FROM FROZEN LUMPS, REPUSE, STONES OR SHOKES LANGER
HAND JANGES AND COMPLETION OF THE WORK.
2.1 SUITABLE BACK FILL: EXCANATED INORGANIC MATERAL
HAT MAY MAY HARE HE IN ANY DIMENSION OF OTHER MATERAL
HAT MAY MAY HARE HE IN INDREMISION OF OTHER MATERAL
HAT MAY MAY HARE HE INDREMINED BY THE
1-MOBILE CONSTRUCTION SUPERVISOR AND GEOTECHNICAL
BACKINGER.
1-MOBILE CONSTRUCTION SUPERVISOR AND GEOTECHNICAL
ENGINEER.

LICENSE #:

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O W D E R R I V Engineering Services, LLC

www.powdemiverdev.com

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SITE INFORMATION

DN04163B SW SPRINGS

2520 ARLINGTON DR. COLORADO SPRINGS, CO 80910

SHEET TITLE:

GENERAL NOTES

GN-1 CM1 16-00070

1.1 SCOPE 'NIS ECRIPICALION DESCRIBES THE MINIMUM REQUIREMENT FOR 1.1 NIS THE CONTRALLY ON OF ALL ELECTRICAL STREETS RELOW FROM PROM PROM PROFESSION THE SPECIFICATION STREETS RELOW FROM PROM PROM PROFESSION STREETS RELOWED AND STREETS RELOWED AND STREETS RECORDS AND STREETS RELOWED THE APPLICABLE FOR CONTRICATION, SHALL BE THE SPECIFICATION STREET BY THE SPECIFICATION STREETS RESTORED HEREN, ON THE DETALLS OF THE SPECIFICATION STREET BY THE SPECIFICATION STREET BY THE REPORTS OF THE SPECIFICATION STREETS WITHOUT STREET BY THE SPECIFICATION STREET BY THE SPECIFICATION STREET STREETS WITHOUT STREET BY THE SPECIFICATION STREET STREETS WITHOUT STREET STREETS WAS ALLOWED BY THE REQUIREMENTS HERE APPLICABLE ALEROMAN THE SPECIFICATION STREETS WAS A SHOWN ON THE DETALLS OF THE SPECIFICATION STREETS WAS A SHOWN ON THE SPECIFICAL STREETS WAS A SHOWN ON THE SPECIFICATION STREETS WAS A SHOWN ON THE SPECIFICATION STREETS WAS A SHOWN ON THE SPECIFICATION STREETS WAS A SPECIFICAL STREET SHOWN ON THE SPECIFICATION STREETS WAS A SHOWN ON THE SPECIFICATION STREETS

A:3 INSTALLATION

A. TRENCHING, BACK FILLING, BEDDING AND COMPACTING SHALL COMPLY WITH SITE
WORK SPECIFICATIONS.

B. DIG TRENCHES TO THE REQUIRED DEPTH AS SHOWN ON THE DRAWINGS WITHOUT
B. DIG TRENCHES TO THE BOTTOM BEFORE CONDUIT IS LAID.

C. INSTALL UNDERGROUND CONDUIT WITH A MINIMUM 3-INCH TO 1 00-FOOT SLOPE OR

C. INSTALL UNDERGROUND CONDUIT WITH A MINIMUM 3-INCH TO 1 00-FOOT SLOPE OR

C. INSTALL UNDERGROUND CONDUIT WITH A MINIMUM 3-INCH TO 1 00-FOOT SLOPE OR

C. INSTALL UNDERGROUND CONDUIT SITE DRAWINGS, TERMINATE AND CAP ALL STUB-UPS

1.2 INCHES ABOVE FINISHED GRADE ELEVATION.

E. WHERENER CONDUITS CROSS UNDER ROADWAY GRADE

E. WHERENER CONDUITS CROSS UNDER ROADWAY GRADE

F. MARK UNDERGROUND CONDUITS WITH A 6-INCH WIDE RED POLYETHATENE TAPE

BURIED 6 INCHES UNDER THE SURFACE DIRECTLY OVER THE CONDUITS. MARK THE TAPE

H. CACATION-BURIED ELECTRICAL CABLE.

G. FOR SEALING CONDUITS, USE ONLY NONTHERMOPLASTIC COMPOUNDS SUCH AS J.M.

DUXSEAL, OR AN APPROVED SUBSTITUTE. THE COMPOUNDS SHALL HAVE NO EFFECT ON

ROBBER OR RUBBER PARE LOTHON-BURIAND MAXIMUM TEMPERATURE RANGES OF THE LOCALITY.

H. COAXIAL — REFER TO NOKIA ANTENNA AND COAXIAL CABLE INSULATION PROCEDURES.

J. LNA/MHA — REFER TO NOKIA ANTENNA AND COAXIAL CABLE INSULATION PROCEDURES.

J. LNA/MHA — REFER TO NOKIA ANTENNA AND COAXIAL CABLE INSULATION PROCEDURES.

FIND OF ELECTRICAL SPECIFICATIONS.

SUCH AS J.M.
D. EFFECT ON
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S OF THE LOCALITY.
A PROCEDURES.
N PROCEDURES.

PROJECT SPECIFICATION 16670 (GROUNDING)
PRAJECT SPECIFICATION 16670 (GROUNDING)
PART I SCOPE
1.1 SCOPE
1.2 SCOPE
2. IECETRIAL GABLIAND AND ASSOCIATED COMPONENTS AS INDICATED ON THE DRAWINGS.
B. APPLICATIONS OF ELECTRICAL GROUNDING AND BONDING WORK SPECIFIED IN THIS SPECIFICATION
1.2 SECRETIONAL DISCRETE POSTS
2. GROUNDING ELECTROAL GROUNDING AND BONDING WORK SPECIFIED IN THIS SPECIFICATION
3.3 SERVICE COUNDING ELECTROAL CONTROLL OF THIS SPECIFICATION ELECTROAL PROMOPOLE/LATTICE TOWER
3. SERVICE COUNDING ELECTROAL STEEN SECRET AS MODIFIED BY THE REQUIREMENTS
3. SERVICE COUNDING WILESS NOTED OTHERWISE. EXCEPT AS MODIFIED BY THE REQUIREMENTS
3. SERVICE COUNDING TO THEE PUBLICATIONS. WORK INCLUDED IN THIS SPECIFICATION IS SPECIFICATION SHALL BE THE LATERAL SECRET PROMOSON OF THEE PUBLICATIONS. WORK INCLUDED IN THIS SPECIFICATION IS SPECIFICATION SHALL ELECTRICAL AND ELECTRONICS ENGINEERS)
4. ANSI (AMERICAN MATIONAL STANDARDS) INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS)
5. SECOND SECRET SECRET

ESTABLISHED INDUSTRY STANDARDS FOR THOSE APPLICATIONS INDICATED.

A. GROUNDING

I. THE COUIDMENT SHALL BE GROUNDED AS FOLLOWS, AS SHOWN ON THE DRAWINGS AND IN COMPLIANCE WITH NET CARTICLE 250 AND STATE AND LOCAL CODES.

2. GROUND RODS AND QUANTITY SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL INSTALL MORE GROUND PROST AS SHALL PREFENS AND STATE THE INSTALLATION HAVE A RESISTANCE—10—EARTH TEST SHOULD THE INSTALLATION HAVE A RESISTANCE OF 5 OHMS OR MORE CONTRACTOR SHALL INSTALL MORE GROUND RODS AS INSTALLATION. AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, NEC'S "STANDARD OF INSTALLATION," AND IN ACCORDANCE WITH RECOGNIZED IN DIAGRAP PARACTICES TO ENSURE THAT PRODUCTS COMPLY WITH RECOURDEMENTS.

4. COORDINATE WITH OTHER ELECTRICAL BY ALLESS A MINIMALM OF 36 INCHES BELOW FINISHED GRADE WHICH ELECTRICAL GROUND CONDUCTORS. A MINIMALM OF 36 INCHES BELOW FINISHED GRADE WHICH ENERCH SHALL BE AT LESS 14 INCHES ANY FROM FOUNDATIONS.

5. INSTALL BE AT LESS 14 INCHES ANY FROM FOUNDATIONS.

6. TIGHTEN GROUNDING AND BONDING CONDICENSE. AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUE FOR CONNECTORS.

6. TIGHTEN GROUNDING AND BONDING CONNECTORS. IN ULLUSING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE VALUE SPECIFIED IN U.L. 486A TO ASSURE PERMANENT AND EFFECTIVE GROUNDING OTROUR VALUE SPECIFIED IN U.L. 486A TO ASSURE PERMANENT AND EFFECTIVE GROUNDING OTROUR VALUE SPECIFIED IN U.L. 486A TO ASSURE THE ADDLESS WHERE FACTORY APPLIED PROTECTIVE COATING HAVE BEEN DESTROYED, WHICH ARE SUBJECTED TO CORRECTOR COATING CADALICE HARE EXCLORED.

B. ON EXISTING LATTICE TOWERS, WATER TOWERS AND ROOF TOPS WHEN A NEW GROUNDING SYSTEM SI INSTANTALED. HE CONTRACTOR, STEML STELL AS THE CASE WATER TOWER STRUCTURAL STEEL OF BUILDING STRUCTURAL STEEL AS THE CASE WATER TOWER, LATTICE TOWER STRUCTURAL STEEL OF BUILDING STRUCTURAL STEEL AS THE CASE OF GROUND RODS SHALL BE 5/8" DIAMETER 8" -0" LONG, COPPER CLAD DRIVEN ROD(S).

2. GROUND RODS SHALL BE LOCATED AT A MINIMUM SPACING OF B' -0" AND A MAXIMUM SPACING OF 10" -0"

3. GROUND RODS SHALL BE BURNED BELOW THE FROSTLINE AT NO TIME SHALL THIS DEPTH BE SACROND RODS SHALL BE BURNED BELOW THE FROSTLINE AT NO TIME SHALL THIS DEPTH BE SACROND RODS SHALL BE BURNED BELOW THE FROSTLINE AT NO TIME SHALL THIS DEPTH BE SACROND RODS SHALL BE BURNED BELOW THE FROSTLINE AT NO TIME SHALL THIS DEPTH BE COROUND RODS WHICH CANNOT BE DRIVEN STRAGED AT A MINIMUM SPACING OF B' -0" AND A MAXIMUM SPACING OF 10" -0"

5. GROUND ROD LOCATIONS SHALL BE NOTED ON THE AS-BUILT DRAWINGS.

C. GROUND ROD LOCATIONS SHALL BE NOTED ON THE AS-BUILT DRAWINGS.

1. ALL DIRECT BURNED GROUND CONDUCTORS SHALL BE TINNED SOLID (#2 AWG) WIRE BURNED GROUND TEST WELLS AS SHOWN ON THE CONSTRUCTION DRAWINGS.

1. ALL DIRECT BURNED GROUND CONDUCTORS SHALL BE TINNED SOLID (#2 AWG) WIRE BURNED GROUND CONDUCTORS SHALL BE INSTALLED AT MINIMUM DEPTH OF 36" BELOW GRADE.

2. ALL SHOUND ROD LOCATIONS SHALL BE MADE THROUGH THE USE OF EXOTHERMIC WELD PROCESS. CONNECTIONS SHALL BE MANUFACTIVED BY CADWILD AND SHALL BE INSTALLED AS PER THE MANUFACTIVED SHALL BE NOTHED MINIMUM SHALL BE AS SHALL BE NOTHED MINIMUM SHALL BE AS SHOWN OF 12 INCH MINIMUM BENDING GROUND CONDUCTORS SHALL BE NOTHER BROUND CONDUCTORS SHALL BE NOTHED WITHOUT SHALL BE NOTHER MINIMUM SHOUNG SHALL BE NOTHER BENDING ROUND CONDUCTORS SHALL BE NOTHED WITHOUT SHALL BE NOTHED WITHOUT SHALL BE NOTHER BY CABULED ON CONDUCTOR IN AN AND SHALL BE NOTHED WITHOUT SHALL BE NOTHED WITHOUT SHALL BE NOTHER BY SHALL BE NOTHED WITHOUT SHALL BE NOTHED WITHOUT SHALL BE NOTHED WITHOUT SHALL BE NOTHED WITHOUT SHALL BE NOTHED WITHOU

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T-MOBILE WEST, ILC 2323 DELGANY STREET DENVER, CO 80216

A. EXAMINE AREAS AND CONDITIONS UNDER WHICH ELECTRICAL GROUNDING AND BONDING AND SAFEX SAND CONDITIONS ARE TO BE MADE AND NOTIFY THE AUGBLE CONSTRUCTION SUPERVISOR IN WRITING OF COMMITTON TO PROPER COMPLETION OF WORK. DO NOT PROCEED WITH WORK UNIT! LU SATISTICITOR SUPERVISOR 24 HOURS PROPER TO THE MADE TO THE AERIAL CONTRICTOR SHALL PROCEED.

3.13 GROUND TESTING TO TREAM, CONSTRUCTION SUPERVISOR DURING THAT PERIOD OR THE CONTRACTOR SHALL PROCEED.

3.2 GROUND TESTING TO THE AERIAL CONSTRUCTION SUPERVISOR DURING THAT PERIOD OR THE CONTRACTOR SHALL PROCEED.

4.3 GROUND TESTING SHALL TEST THE GROUND ELECTRODE ROD RESISTANCE IN ACCORDANCE WITH THE METHODS OF MEASUREMENT SHOWN IN THE FALL OF POTENTIAL METHOD.

B. TEST INSTRUMENTS SHALL OPERATE A LOW SIGNAL STRENGTH.

C. PRIOR TO TESTING. THE CONTRACTOR SHYLL TEST INSTRUMENTS TO A HORTOLOGY.

C. PRIOR TO TESTING. THE CONTRACTOR SHYLL THE ROUND ROD, WAR HIGH VOLTAGE SHIRT TO OPERATE A LOW SIGNAL STRENGTH.

C. PRIOR TO TESTING. THE CONTRACTOR SHYLL THE MAZARDS INVOLVED.

C. PRIOR TO TESTING. THE CONTRACTOR SHYLL THE MAZARDS INVOLVED.

C. PRIOR TO TESTING. THE CONTRACTOR SHYLL BEFROM THE GROUND TEST AS SUPERVISOR FOR APPROVAL.

E. AN INDEPCENDENT, APPROVED OUTSIDE FIRM SHALL PERFORM THE GROUND TEST AS SUPERVISOR FOR APPROVAL.

E. OR STRUCTION AND OPERATION OF THE EQUIPMENT AND THE HAZARDS INVOLVED.

C. OSSTRUCTION AND OPERATION OF THE EQUIPMENT AND THE TOROGRED TO THE THOUSE SHOW THE BROCK CLOSE OUT BOOK CONTAINNO THE FOLLOWING THE THOUSE ON THE BACK TO SERVER THE SHALL SHALL BE FORWARDED TO THE THE ATTENDAN CONSTRUCTION OF THE METATOR AND OPERATION OF THE BACK THE ANTENNA DOWN TILL MEASUREMENT USING AN INCLINEMENTS

- ANTENNA DOWN TILL MEASUREMENT USING AN INCLINOMETER ON THE BACK

- GROUND BAR ATTACHMENTS

5. SIGNED OFF PERMIT CARGES AUTHORIZATION

E. CERTIFICATE OF PERMIT CARGES AUTHORIZATION

8. CERTIFICATE OF PERMIT CARGES AUTHORIZATION

1. RESIDEND OFF PERMIT CARGES AUTHORIZATION

1. RESIDEND OFF PERMIT CARGES AUTHORIZATION

1. RESIDEND OFF PERMIT CARGES AUTHORIZAT

LICENSE #:

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DN04163B SW SPRINGS

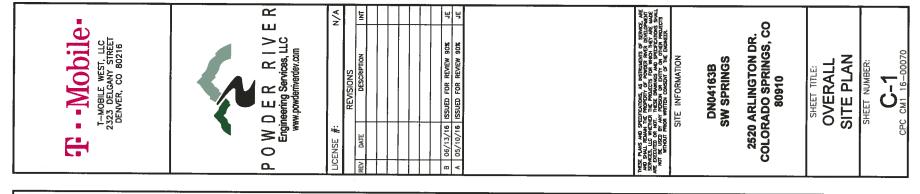
2520 ARLINGTON DR. COLORADO SPRINGS, CO 80910

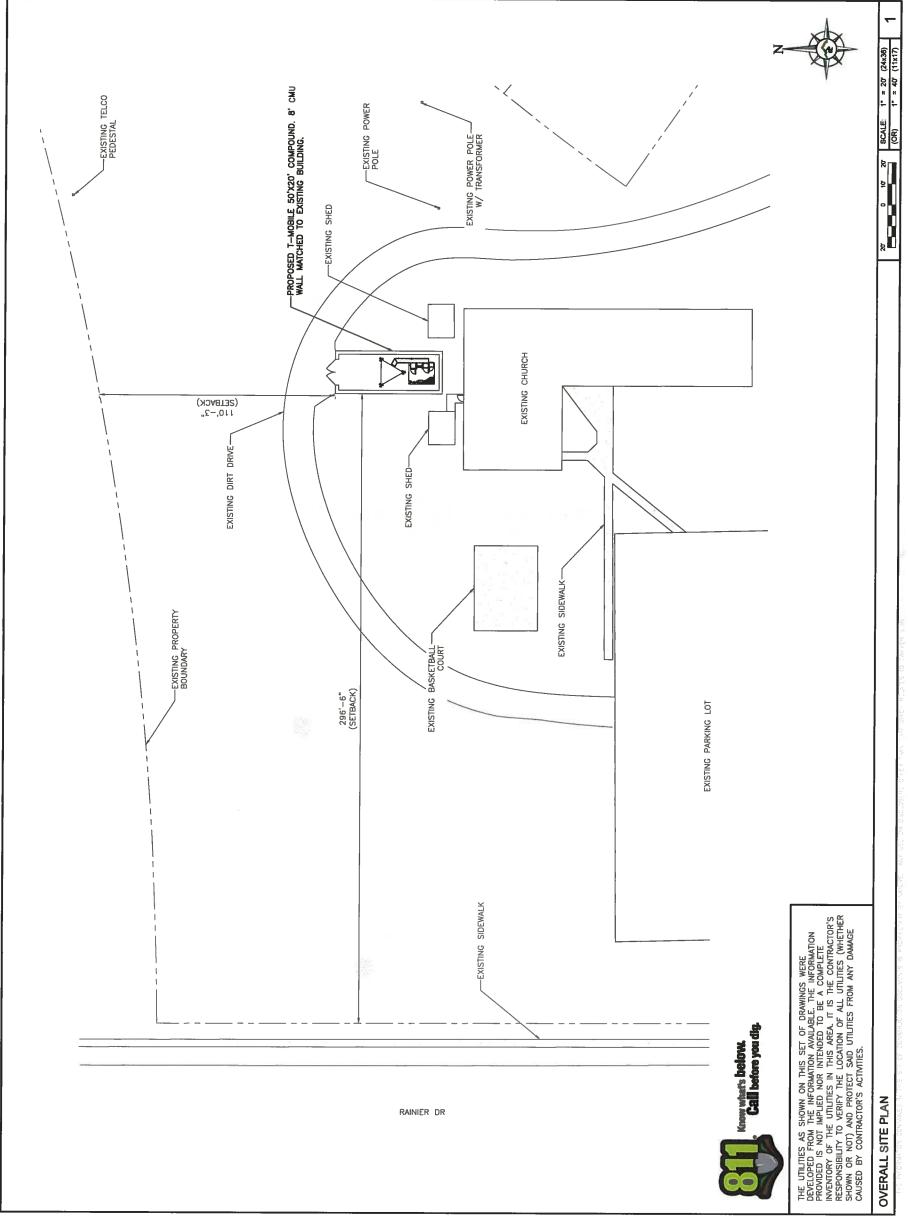
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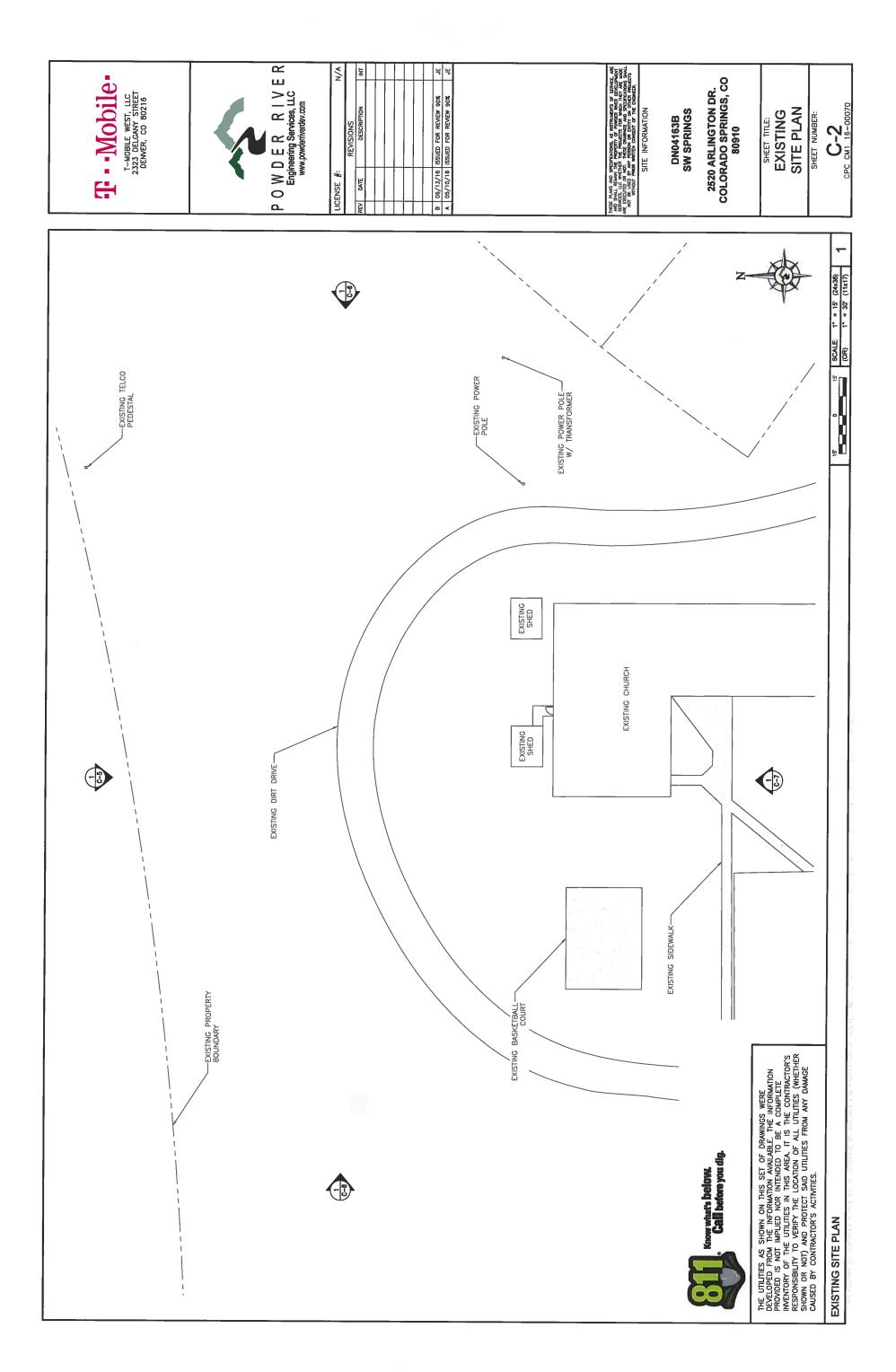
GENERAL NOTES

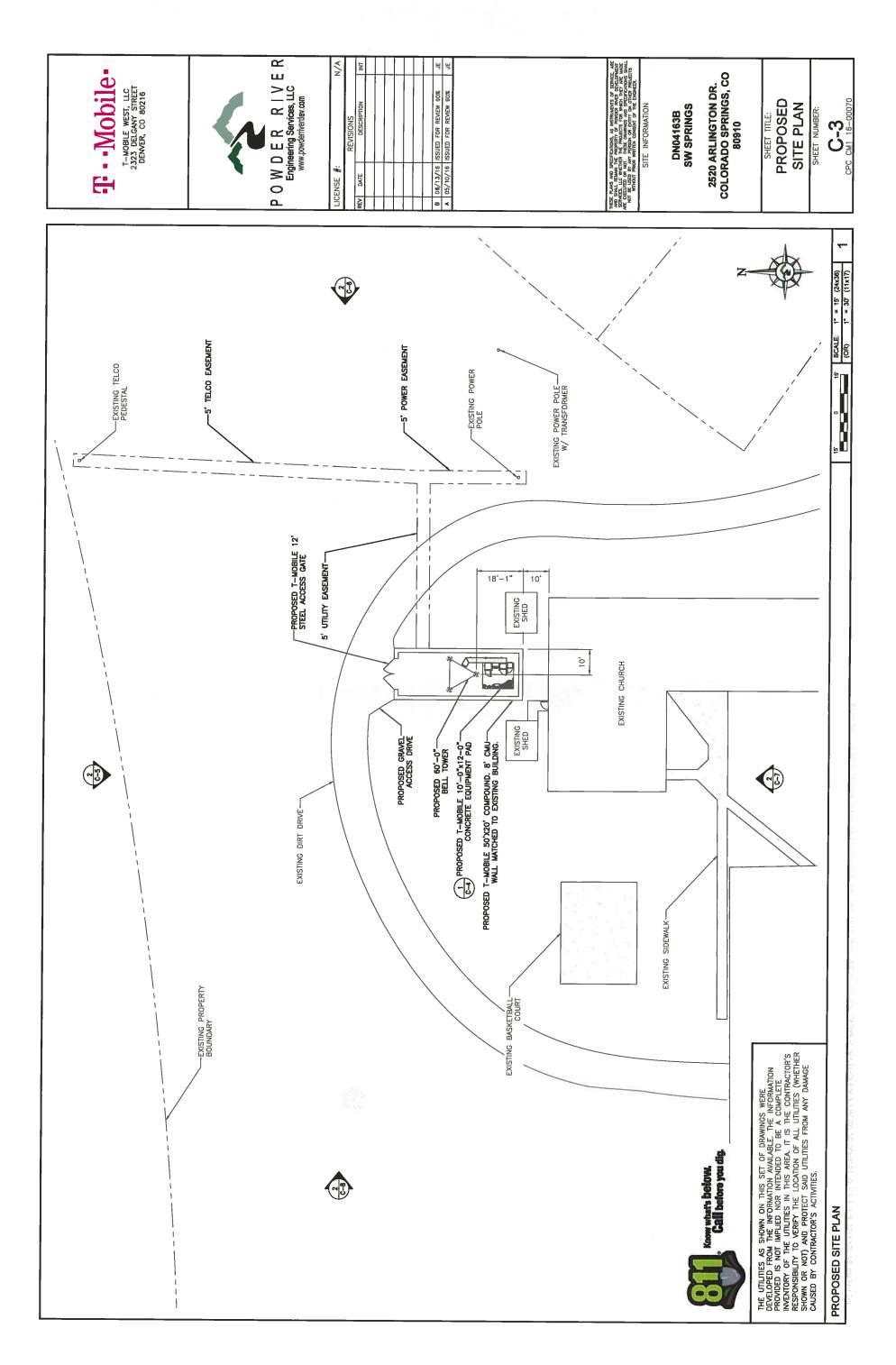
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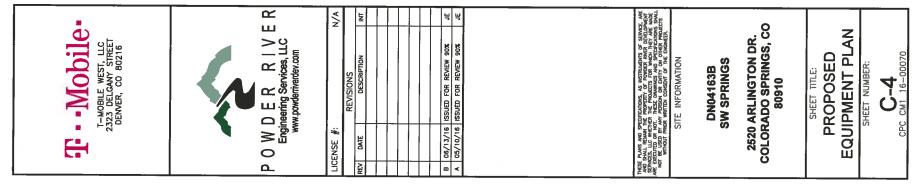
GENERAL NOTES

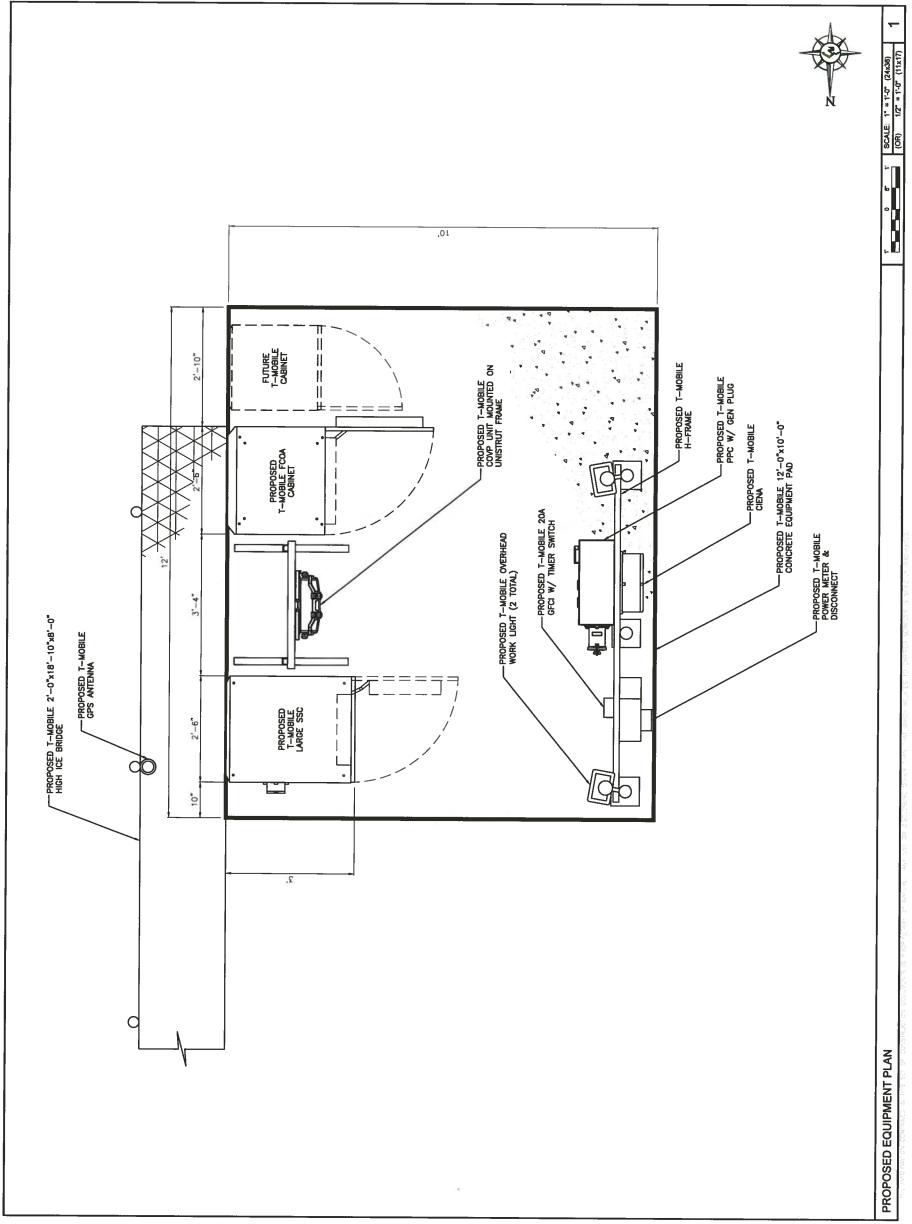


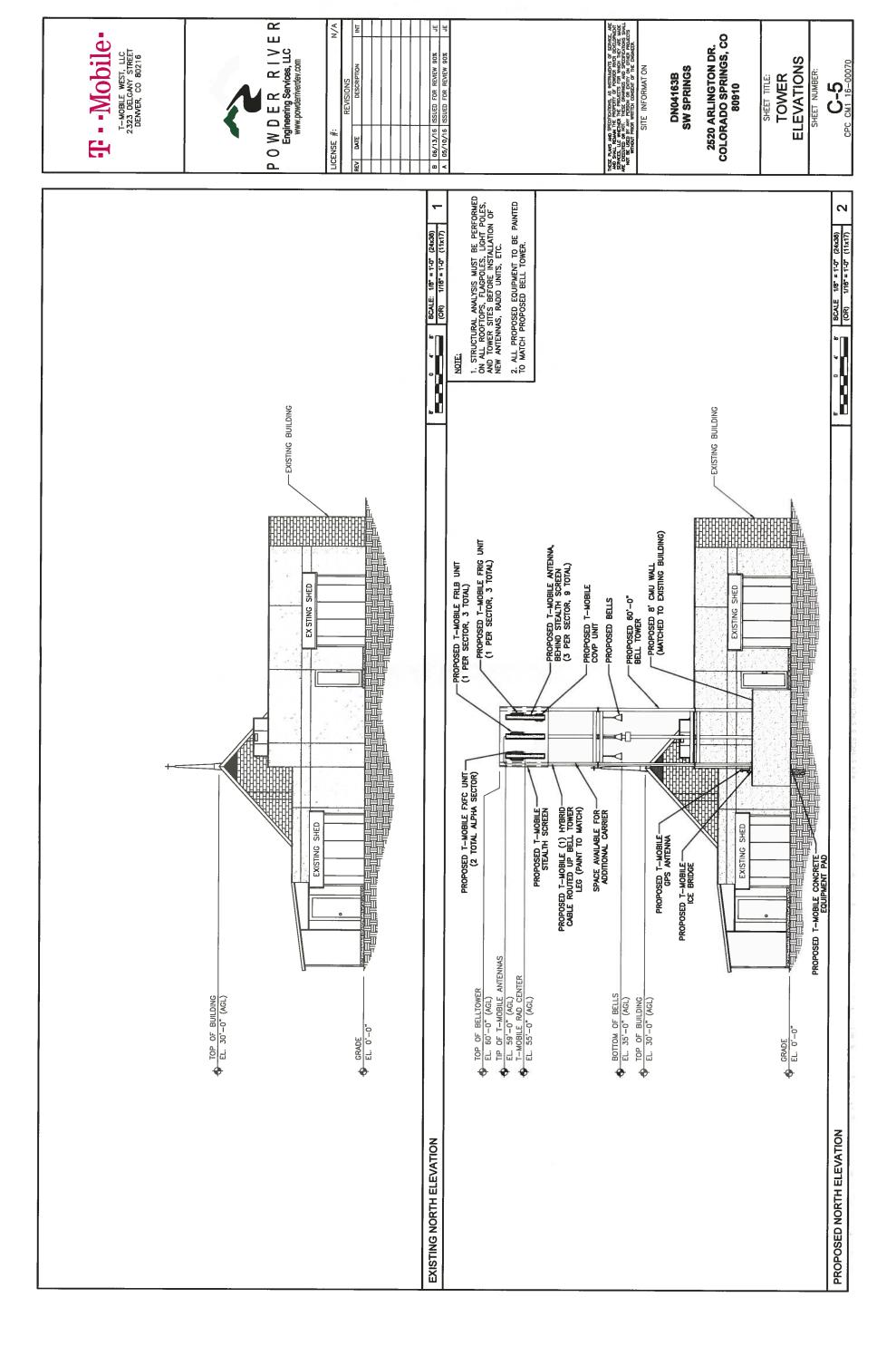


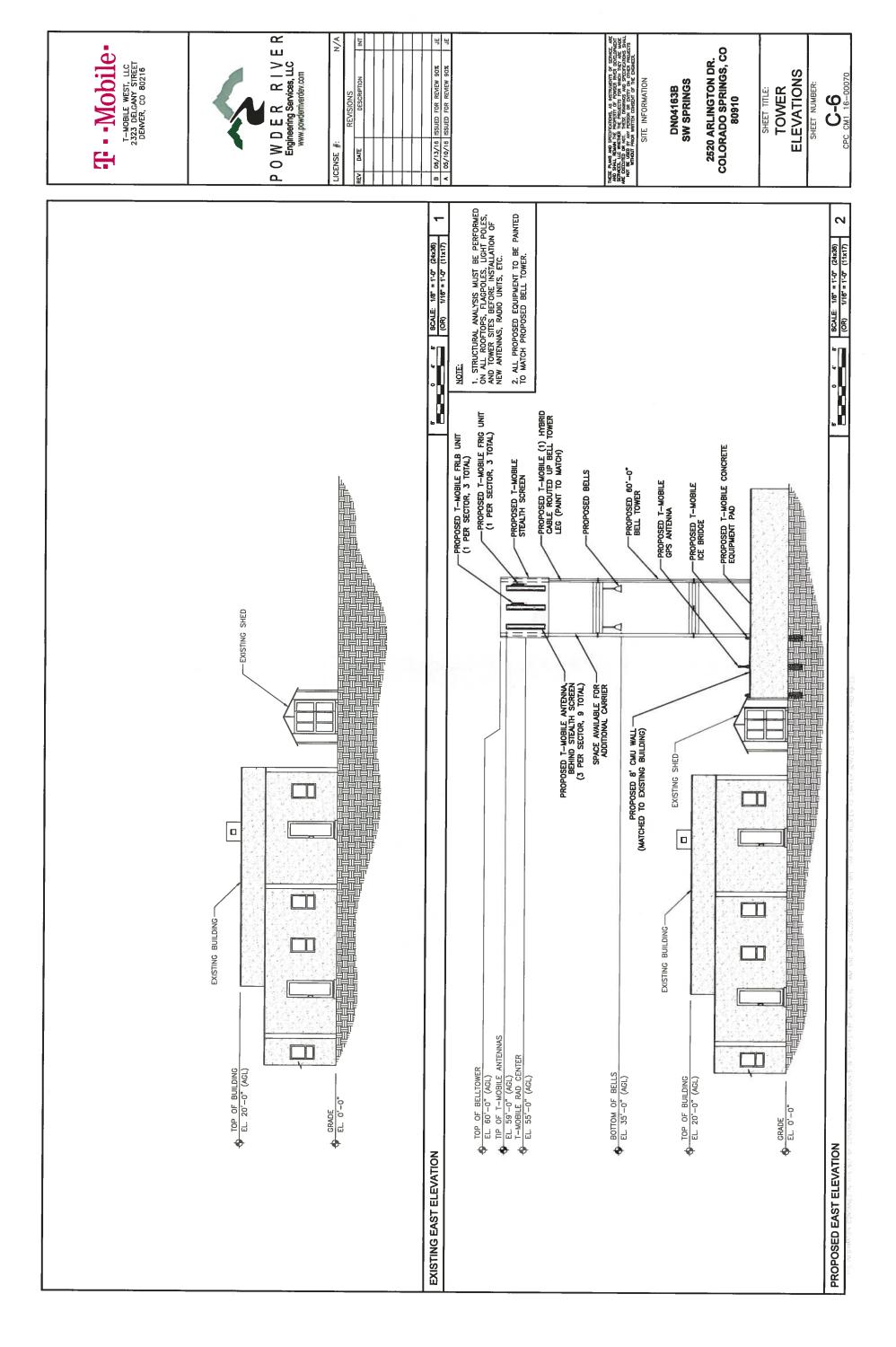


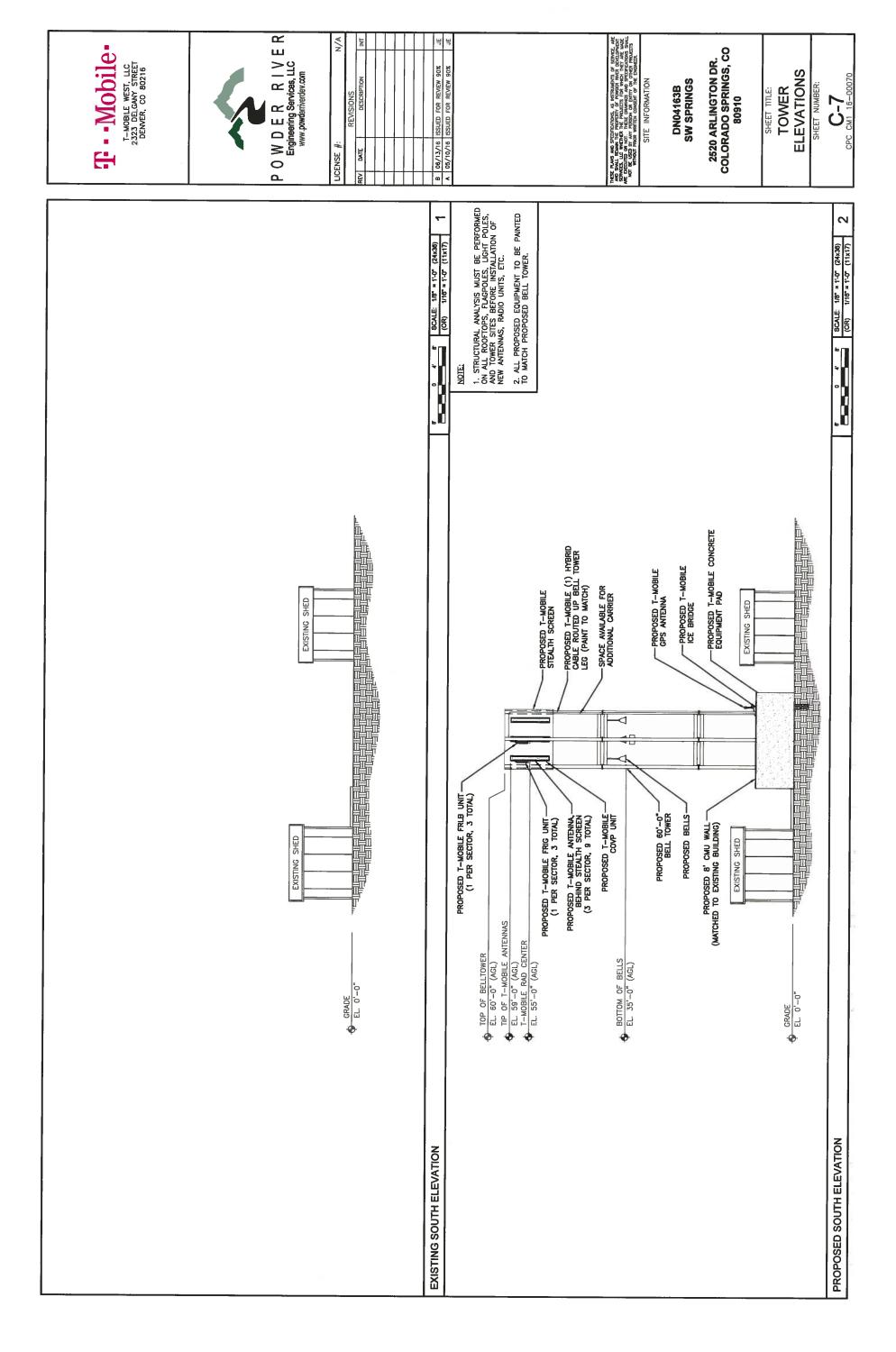


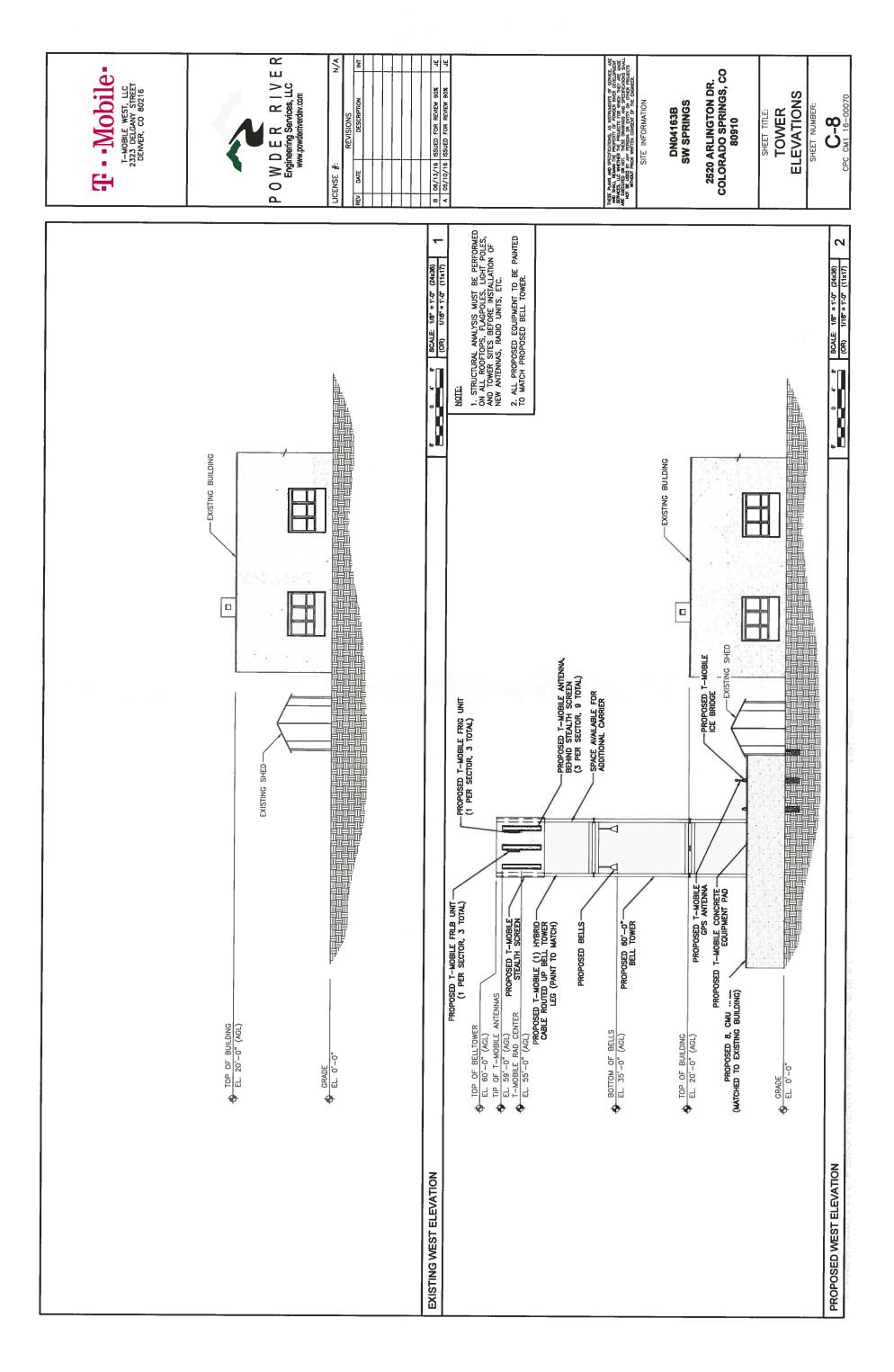


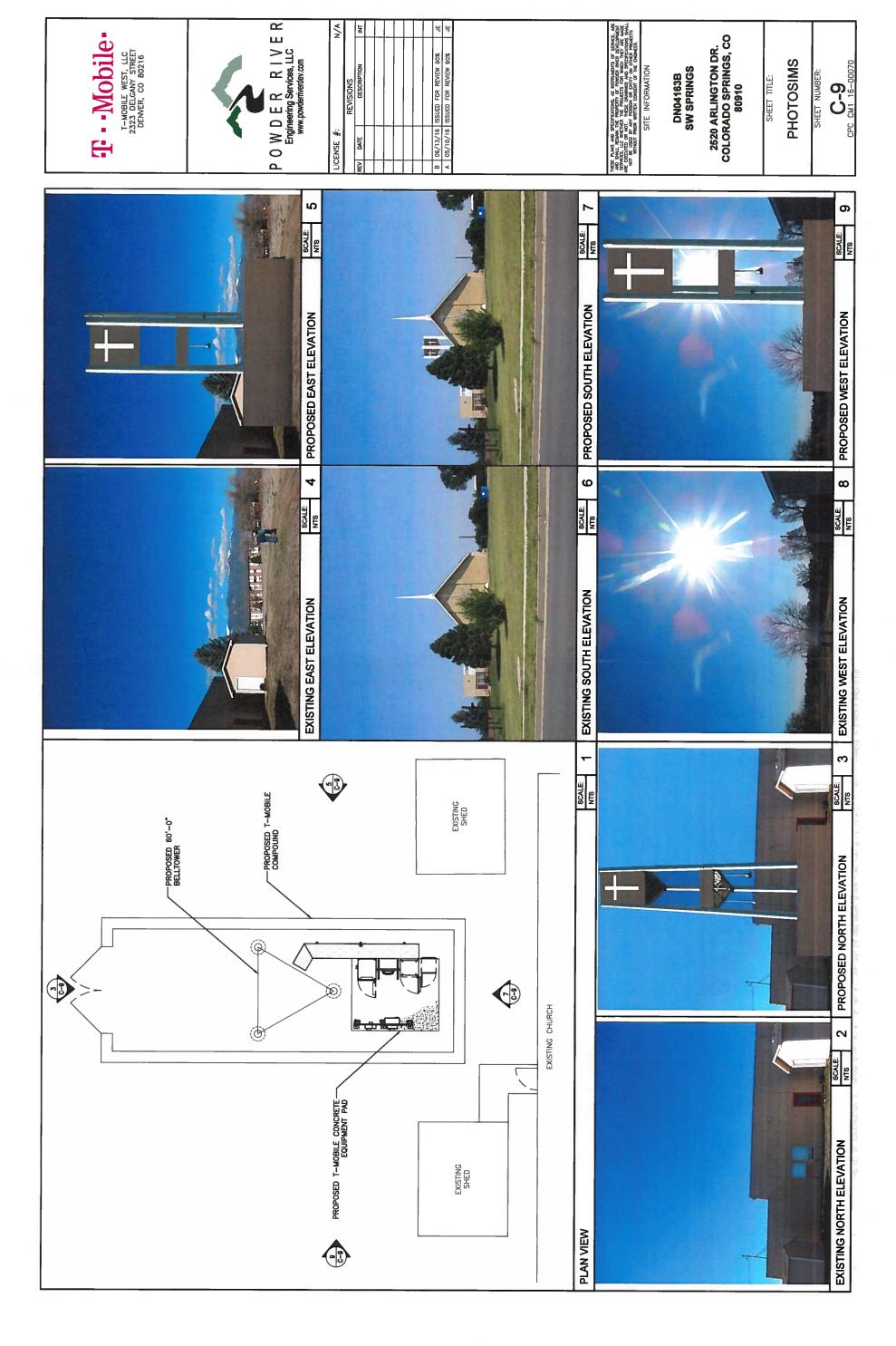






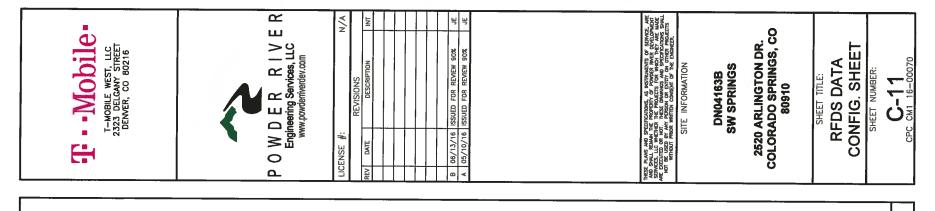


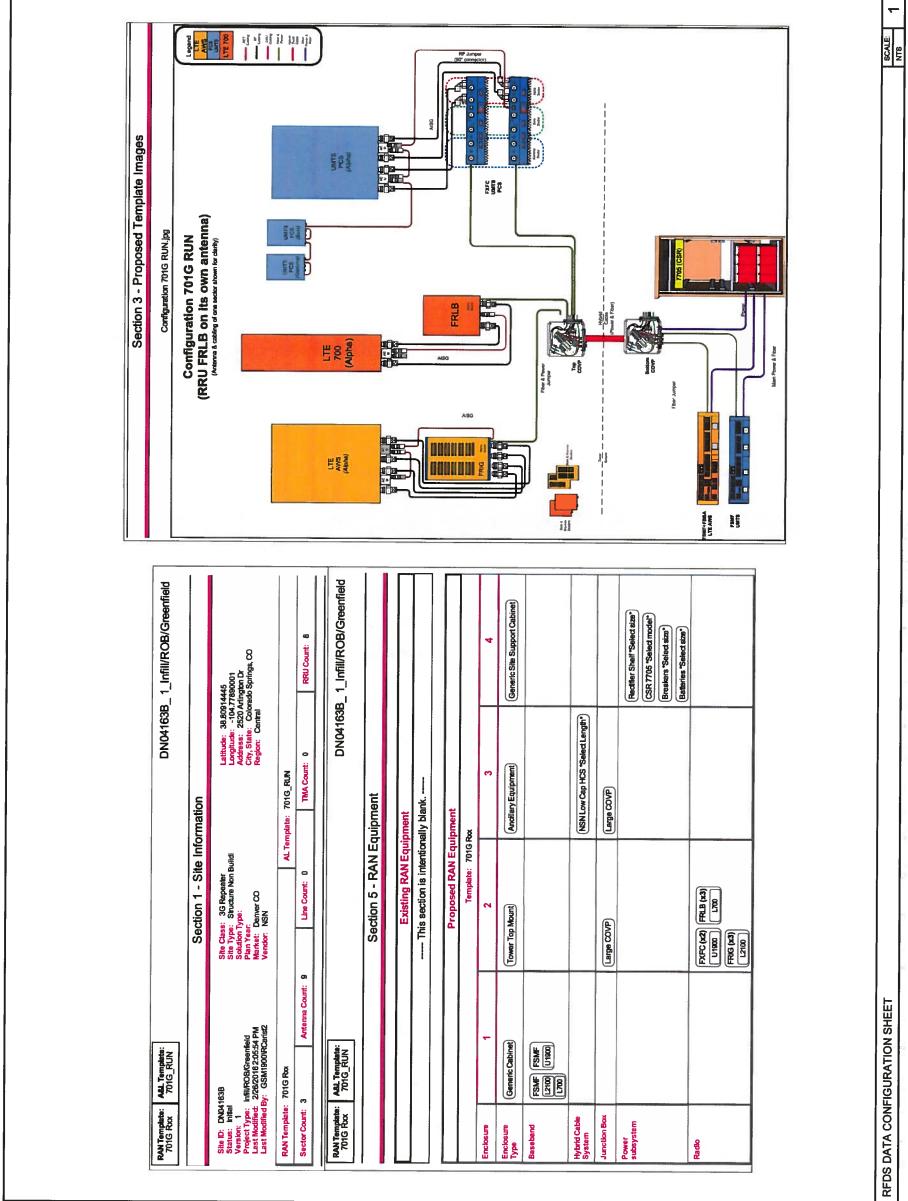




POWDER #: MODILE WEST, LLC 2233 DELGANY STREET DENVER, CO 80216 POWDER #: N/A REVISIONS REVISIONS	C-10 CPC CM1 16-00070
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NOTE:	SECTOR POS. TECHNOLOGY)LOGY		ANTENNA	MECH.	ELECT.
1. SIRUCIUMAL AMALYSIS MUST BE PERFORMED ON ALL ROOFIOSE, LIGHT POLES,		AZM.	C.L.	MANUFACTURER - MODEL #	TILT	TILT
UWER SILES BEFORE INSTALLATION OF NITERINAS, RADIO UNITS, ETC.	Y S	1		ANDREW - TMBXX-6517-A2M	.0	-
2. ALL PROPOSED EQUIPMENT TO BE PAINTED	\perp	700	55'-0"	ANDREW - LNX-6515DS-A1M	.0	4
ICH PROPOSED BELL IOWER.	+	0061		ANDREW - TMBXX-6517-A2M	6	<u>-</u>
	EB 6			ANDREW - TMBXX-6517-A2M	°.	.4
	+	700 120	55'-0"	ANDREW - LNX-6515DS-A1M	ô	'n
	OOST CHANGE THE	300		ANDREW - IMBXX-6517-AZM	ò	. ↓
	5 8			ANDREW - TMBXX-6517-A2M	ò	က်
	C3 UMTS 1900	1900	22-0-	ANDREW - LNX-6515DS-A1M ANDREW - TMRXX-6517-A2M	b b	4 i
There is no control to the control t	PROPOSED T-MOBILE FXFC UNIT (2 TOTAL ALPHA SECTOR) (2 TOTAL ALPHA SECTOR) (2 TOTAL ALPHA SECTOR) (3 TOTAL ALPHA SECTOR) (4 PER SECTOR, 3 TOTAL) (5)	<u> </u>				
PROPOSED T-MOBILE ANTENNA (3 PER SECTOR, 9 TOTAL)						
					Z	1
PROPOSED ANTENNA PLAN					SCALE	-
CARACOL DRIVER IN 11.5 SELIC CONSHIPCEON DOCUMENTS IS PROBABINATED IN THE SELECTION OF THE						





	RAN Template: A&L Template: 701G Rux 701G_RUN		DN04163B_ 1_Infill/ROB/Greenfield	/ROB/Greenfield	RAN Template: 701G Rxx	A&L Template: 701G_RUN			DN04163B_1_Ir	DN04163B_ 1_Infill/ROB/Greenfield	T Mobilo.
Section 1 (Proposed) test from front flotte the humper show view from being a flow view from the flow flow flow view from the flow flow flow flow flow flow flow flow	Se	ction 6 - A&L Equipment				Secto	or 3 (Proposed) view	v from front (Note: the images show v	view from behind)		TTOOTAL _ T_
Sector Proposed Ver from Note the brigge show view from being		Existing Template: Custom			Coverage Type	A - Outdoor Mecro					2323 DELGANY STREET DENVER, CO 80216
Composition		richosed reinpete: 1010_nun			Antenna		-	2		3	
Marco 1	A-Outhor Macm	rrom front (Note: the images show v	1ew from behind)		Antenna Model	TMBXX-6517-A2M (C	(pen	(LNX-6515DS-A1M(Dual))	TMBXX-6517-A2M (Quad)	Опаф)	
	-	6				240		240	240		
Continue	TMRXX-6517.42M (Ound)	INVESTICATION	COMPANY THE WORLD	ে		0		0	0		
0 0 0 0 0 0 0 0 0 0	(1999)	(IBOO) MI VASSO I SALVA	MD) MZY-/160-YYGMI			88		88	8		
10 10 10 10 10 10 10 10	0	0	0				P2		P4	P5	Y
Signature Sign	0	0	0			[2100]	12100	[200]		(Out)	POWDER RIV
Contact Cont	(58)	88	88				4				Engineering Services, LLC
(2100)		P3		P5				D	0	D.	
1		[700]	01900	00810	TMAs						LICENSE #:
Add. Tempetro:		•	0	9	Diplexers /						REVISIONS
Add Tamplates Act Tamplates					Radio						REV DATE DESCRIPTION
Aut. Templets: Sector 2 (Proposed) view from front (Note: the images show view from behind) A-Outdoor March					Sector						
Machine Mach					Equipment						
A4L Templets					Unconnected Eq.	Apment:					
A- Outdoor Mean					Scope of Work:						B 06/13/16 ISSUED FOR REVIEW 90% A 05/10/16 ISSUED FOR REVIEW 90%
All Template: Sector 2 (Proposed) view from front (Note: the images show view from front (Note: the images show view factor 2 (Proposed) view from front (Note: the images show view factor 1											
Sector 2 (Proposed) view from front (Note: the images show view from behind) A-Outloor March 1	AAL Template: 701G_RUN		DN04163B_ 1_Infil	/ROB/Greenfield							
(A- Outdoor Mercy) 1 2 3 TMEXX-6517-AZM (Quad) (LVX-6515DS-A1M (Dual)) (TABOX-6517-AZM (Quad)) (120) (120) (120) (120) (5) (5) (5) (5) (5) (5) (5) (5) (2100) (1700) (1700) (1700) (1700) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (5) (1700) (1700) (1700) (1700) (4) (4) (4) (4) (4) (5) (1700) (1700) (1700) (1700) (1700) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5)	Sector 2 (Proposed) view	from front (Note: the images show v	iew from behind)								
TMBXX-6517-AZM (Quad.)	A - Outdoor Macro										
TMBXC46517-A2M (Quad.)		2									
120 120 120 0 0 0 65 65 65 P1 P2 P3 P4 (2100) (7700) (71800) (11800) 4 4 3 6 6 4 4 3 6 6 6 6 6 6 6	TMBXX-6517-A2M (Quad))	(LNX-6515DS-A1M (Dual))	TMBXX-6517-A2M (QUE	(a)							
O	120	(120)	(120)								
65 55 F3 65 P-1 P-2 P-3 P-4 P-4 (L2100) (L700) (L700) (L1000) (L	0	0	0								THESE PLAYS AND SPECIFICATIONS, AS HISTIRULIDITS OF SI AND SHALL REJAIN THE PROPERTY OF POWDER RMER OF
P1 P2 P3 P4 P4 (2100) (2100) (1000) (1000) (1000) (4) (4) (3) (4) (4) (4) (4)	(58)	88	8								ACTIVITY, IN THE PROJECTS TO BE WAS ARE EXCEPTENTED ON NOT. THESE DEPARTMENT AND SPECIFICATIONS SAFAL WIT DE LASED BY ANY PERSON OR DITTY ON OTHER PROJECTS WITHOUT PROOF WHITEN CONSENT OF THE ENGINEER.
(4) (1800				P5							SITE INFORMATION
(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		[700]	W1900	01800							DN04163B
		9	9	•							SW SPRINGS
Lexers / Individual Control Co											2520 ARLINGTON DR
blivers lo											COLORADO SPRINGS, CO
OJ											80910
											SHEET TITLE:
Sector Equipment											RFDS DATA
											SHEET NUMBER:
RFDS DATA CONFIGURATION SHEET	CONFIGURATION SHEET									900416	2,7

							ANTENNA K	KEY AND	HYBRID C	CABLE SCI	SCHEDULE		:				
ANTENNA MARK	MARK ST.	STATUS	ТЕСН	ANTENNA MODEL	ANTENNA	MFG. PROPOSED AZIMUTH	SED MECHANICAL JTH DOWNTILT	ELECTRICAL DOWNTILT	RADIATION	SECTOR	CONNECTOR	ANTENNA DIMENSIONS (HxWxD)	ONS TOTAL WEIGHT	HYBRID CABLE MFG.	HYBRID CABLE SIZE	HYBRID CABLE LENGTH	FINAL HYBRID
A1	A PRO	PROPOSED	LTE 2100	TMBXX 6517-A2M	M ANDREW	٥	ů.	+	55'-0"	Tx1/Rx	7/16" DIN	82.9"x6.6"x3.3"	. 55.0 LBS.	NSN	\top	75,	-
A2	A PRO	PROPOSED L	LTE 700 L	LNX-6515DS-A1M	M ANDREW	0.	ů.	.4	55'-0"	Tx1/Rx	7/16" DIN	96.4"x11.9"x7.1"	, 49.8 LBS.	SHARED	SHARED	SHARED	SHARED
A3	A PRO	PROPOSED UN	UMTS 1900	TMBXX 6517-A2M	M ANDREW	0.	.0	1	55'-0"	Tx1/Rx	7/16" DIN	82.9"x6.6"x3.3"	55.0 LBS.	SHARED	SHARED	SHARED	SHARED
B 3	B PRO	PROPOSED L1	LTE 2100	TMBXX 6517-A2M	MANDREW	120.	٠, 0,	.+	55'-0"	Tx1/Rx	7/16" DIN	82.9"x6.6"x3.3"	. 55.0 LBS.	SHARED	SHARED	SHARED	SHARED
B2	B PRO	PROPOSED L	LTE 700	LNX-6515DS-A1M	M ANDREW	120.	٥.	'n	55'-0"	Tx1/Rx	7/16" DIN	96.4"x11.9"x7.1"	* 49.8 LBS.	SHARED	SHARED	SHARED	SHARED
B3	B PRO	PROPOSED UN	UMTS 1900	TMBXX 6517-A2M	M ANDREW	120	.0	.4	25'-0"	Tx1/Rx	7/16" DIN	82.9"x6.6"x3.3"	55.0 LBS.	SHARED	SHARED	SHARED	SHARED
5	C PROI	PROPOSED L1	LTE 2100 1	TMBXX 6517-A2M	M ANDREW	240	.0.	2,	55'-0"	Tx1/Rx	7/16" DIN	82.9"x6.6"x3.3.	. 55.0 LBS.	SHARED	SHARED	SHARED	SHARED
22	C PROI	PROPOSED	LTE 700 L	LNX-6515DS-A1M	MANDREW	240	.0	.4	55,-0"	Tx1/Rx	7/16" DIN	96.4"x11.9"x7.1"	# 49.8 LBS.	SHARED	SHARED	SHARED	SHARED
చ	C PROI	PROPOSED UM	UMTS 1900	TMBXX 6517-A2M	A ANDREW	240.	٠,	2.	55'-0"	Tx1/Rx	7/16" DIN	82.9"x6.6"x3.3"	. 55.0 LBS.	SHARED	SHARED	SHARED	SHARED
			TMA AND	OVP SCHEDUL	ш,				ANTENNA	NA/FEEDER	CABLE	COLOR CODING	CONVENTION	ŏ	COAX CABLE	IDENTIFICATION	TION
EQUIPMENT	IT STATUS	PART	NUMBER VENDOR	JOR OTY PER SECTOR	DIMENSIONS (HxWxD)	WEIGHT	TOTAL	SECTOR	COLOR	ANTENNA		REFERENCE	FUNCTION	CONTRAC:	CONTRACTOR MUST PROVIDE EASY IDENTIFICATION AND UNIFORM MARKING OF ANTENNA CABLING, PER	DE EASY IDENT F ANTENNA CA	FICATION BLING, PER
FSMF UMTS	rs PROPOSED	FSMF	UMTS NOK!A	(IA SHARED	5.25"x17.5"x22"	33 LBS.	1 AT EQUIPMENT		1 RED	LA P		MAIN LTE	Tx1/Rx LTE MAIN	THE FOLI	LOWING INSTRUCT	IONS:	
FSMF LTE	E PROPOSED	D FSMF+FBBA LTE	A LTE AWS NOKIA	(IA SHARED	5.25"x17.5"x22"	33 LBS.	1 AT EQUIPMENT		2 RED	LA A1	SEO	SECONDARY LTE	Tx3/Rx LTE DIVERSITY	1. LOCATI	1. LOCATION: MARKINGS SHALL BE MADE USING COLOR	HALL BE MADE	USING
COVP	PROPOSED	D COVP	VP NOKIA	(IA SHARED	20.38"x18.86"x5.83"	. 19 LBS.	1 AT EQUIPMENT LEVEL		3 RED	1A		MAIN LTE	Tx1/Rx LTE MAIN	TAPE W/	TAPE W/2" — 3 LAYERS THICK CUT NOT TORN STRANDS OF COVERAGE AFFIXED AT THREE PLACES	THICK CUT NOT	TORN TE PLACES
FRIG	PROPOSED	D FRIG	IIG NOKIA	(IA 1	30.0"x17.2"x7.6"	57 LBS.	3 AT ANTENNA LEVEL		4 RED	A1	SEC	SECONDARY LTE	Tx3/Rx LTE DIVERSITY	IN TOWER	COAX CABLE RUN NOR BE INSTALI	I AND NOT BE LED ON WEATH	CONCEALED
FRLB	PROPOSED	D FRLB	LB NOKIA	CIA 1	19.3"x22"x5.25"	11 LBS.	3 AT ANTENNA LEVEL	ļ <u>. </u>	5 RED	A2	MAI	MAIN AWS/PCS	Tx1/Rx AWS/PCS MAIN		JWS:		
FXFC	PROPOSED	D FXFC	FC NOKIA	(IA SHARED	19.3"x22"x5.25"	13 LBS.	2 AT ANTENNA LEVEL/ALPHA	⋖	6 RED	A2	SECON	SECONDARY AWS/PCS	Tx3/Rx AWS/PCS DIVERSITY	AND AIL	COLOR CODING AT THE BASE OF THE TOWER AT GROUND LEVEL SHALL ONLY BE 3/4" WIL	IE BASE OF TH HALL ONLY BE	E TOWER 3/4" WIDE.
COVP	PROPOSED	COVP	VP NOKIA	(IA SHARED	20.38"x18.86"x5.83"	19 LBS.	1 AT ANTENNA LEVEL		7 RED	A3	MAIN	MAIN GSM/UMTS	Tx1/Rx GSM MAIN	USE 2" V	WIDE TAPE ONLY : ER.	ON LINES UP	NO HOH
			COAX	ND TABLE					8 RED	A3	SECONE	SECONDARY GSM/UMTS	Tx3/Rx GSM DIVERSITY	FIRST -	ON THE COAX AT	THE CONNECT	OR .
CABLE	ANDREW CABLE TYPE	MANUFACTURE'S MINIMUM BEND	ND ANDREW CATALOG	CABLE TO CLEAF	CABLE MAXIMUM R VERTICAL HANGER		MAXIMUM HORIZONTAL HANGER		9 RED	A3	MAIN	MAIN GSM/UMTS	Tx1/Rx GSM MAIN	Z 4	NEAREST THE ANTENNA (WHERE THE COA) AND JUMPER ARE CONNECTED).	CONNECTED).	HE COAX
1 /2"	NOMBEK I DE4_504	KADIUS					SPACING		10 RED	A3	SECONE	SECONDARY GSM/UMTS	Tx3/Rx GSM DIVERSITY	SECOND	- Al the Base TRUCTURE. (FOR	OF THE TOWER TOWER	
7/8"	1 DF5-50A	, 10	206706-2	1/2			0 4		1 BLUE	B B1		MAIN LTE	Tx1/Rx LTE MAIN	THRO	AT A POINT OUTS RIOR TO MGB).	SIDE THE BTS.	TSUC)
7/8"	AVA5-50	0 10	206706-2	+			+ F		2 BLUE	-B1	SEC	SECONDARY LTE	Tx3/Rx LTE DIVERSITY	2. SECT	OR IDENTIFICATION	NORMALLY A	SITE WILL
1-1/4"	1DF6-50A		206706-3			-	0 .4		3 BLUE	B B1	-	MAIN LTE	Tx1/Rx LTE MAIN	DESIGNATI	HAVE UP TO THREE SECTORS. SECTORS SHALL BE DESIGNATED IN A CLOCKWISE MANNER; THE SECTOR	ISE MANNER; T	SHALL BE HE SECTOR
1-5/8"	LDF7-50A	50.	206706-4	-			0 1		4 BLUE	18	SEC	SECONDARY LTE	Tx3/Rx LTE DIVERSITY	S CLOSE C FOLLOV	ST TO ZERO DEG N CLOCKWISE IN	REES (NORTH), SEQUENCE.	THE BAND
1-5/8"	AVA7-50A	202	206706-4				5 5		5 BLUE	B2	MAI	MAIN AWS/PCS	Tx1/Rx AWS/PCS MAIN		S COAX WILL BE	MARKED MAIN	1 AND
1/2"	FS.14-50B	1-1/4"	206706-1				0 2	m	6 BLUE	B2	SECONI	SECONDARY AWS/PCS	Tx3/Rx AWS/PCS DIVERSITY		DIVERSIT 1. NORMALLT SHES WILE INHALLY GO ON THE AIR WITH AS FEW AS TWO ANTENNAS PER SECTION AND AS THE CASTELL ADDIVING ASSETS.	TWO ANTENNA!	S PER
			ANTENNA	- AND			1			83	MAIN	MAIN GSM/UMTS	Tx1/Rx GSM MAIN	ANTENNAS	S WILL BE ADDED	EM GROWS, AL	OIIIONAL
1. ANTENNA	1. ANTENNA CONTRACTOR SHALL INSURE	SHALL INSURE	THAT ALL /	7 7	JM BEND RADIUS:				8 BLUE	83	SECOND	SECONDARY GSM/UMTS	Tx3/Rx GSM DIVERSITY	B SECTOR	COAX WILL BE MARKED MAIN		2 AND
MOUNTING	3 PIPES ARE P	LUMB.			50A (1/2" HARD LINE 50B (1/2" SUPER FLE	E) = 5" FX) = 1-1/4	£.		9 BLUE	B3	MAIN	MAIN GSM/UMTS	Tx1/Rx GSM MAIN	SECTOR	S COAX WILL BE		T AND
2. COAXIAL FEEDER APPROXIMATE.		& FIBER LENGTHS INDICATED	NDICATED ARE	AVA5-E	AVA5-50A (7/8" HARD LINE) = 1 AVA7-50A (1-5/8" HARD LINE) -	E) = 10"			10 BLUE	B3	SECOND	SECONDARY GSM/UMTS	Tx3/Rx GSM DIVERSITY	DIVERSITY 3	3.		
3. ANTENNA	COAXIAL FEED	ERS & ANTENN	ANTENNA COAXIAL FEEDERS & ANTENNA JUMPERS SHALL	BE	50A (1-5/8" HARD L	LINE) = 20"			1 WHITE	5	_	MAIN LTE	Tx1/Rx LTE MAIN	D SECTOR O	R COAX WILL BE MARKED MAIN		4 AND
COLOR C	ODED PER T-N	MOBILE REQUIRE	EMENTS.	ωi	CONTRACTOR SHALL RECORD THE SERIAL #, SECTOR, AND DOSIDON OF EACH ACTIVATION INCTAILED AT THE ANTERNAL	THE SERIAL	#, SECTOR, AND		2 WHITE	5	SEC	SECONDARY LTE	Tx3/Rx LTE DIVERSITY	COLOR CO	ODE AS FOLLOWS:	•	
ANTENNA.	5 & 6 10 HAVE	TMA MOUNTED	TO HAVE TMA MOUNTED ON PIPE BEHIND	AND FUR	NISH THE INFORMATIC	ON TO T-MOE	ILE ANIENNAS		3 WHITE	2	-	MAIN LTE	Tx1/Rx LTE MAIN	A SECTOR	R - RED		
5. MULTI PC	JRT ANTENNAS:	TERMINATE UN	JUSED ANTENNA POL	တ်	WEATHERPROOF ALL ANTENNA CONNECTORS WITH SELF	\ CONNECTORS	S WITH SELF		4 WHITE	5	SEC	SECONDARY LTE	Tx3/Rx LTE DIVERSITY	C SECTOR	R - WHITE		
CONNECT	OR CAP & WEA	ATHERPROOF TH	CONNECTOR CAP & WEATHERPROOF THOROUGHLY. JUMPERS	, ;	MAIING TAPE.	1			5 WHITE	C2	MAII	MAIN AWS/PCS	Tx1/Rx AWS/PCS MAIN		UMTS LINES — BAND OF GREEN AFTER ORIGINAL COLOR CODING	GREEN AFTER O	RIGINAL
IN EACH	A S MUSI IERN SECTOR.	MINAIE 10 OPP	OSITE POLARIZATION	į	MEASUREMENT TO CONFIRM/VALIDATE ANTENNA CENTER	VALIDATE ANT	ENNA CENTER	υ	6 WHITE	CZ	SECON	SECONDARY AWS/PCS	Tx3/Rx AWS/PCS DIVERSITY		- BE MARKED WIT	H ONE BAND (OF TAPE.
6. CONTRAC	TOR MUST FOLI	LOW ALL MANU	FACTURER'S		CCL) HEIGHT, CONTRACTED HEIGHT VERIFICATION	TION FORM TO	SUBMII A		7 WHITE	ຮ	MAIN	MAIN GSM/UMTS	Tx1/Rx GSM MAIN	DIVERSITY TAPE. E)	DIVERSITY WILL BE MARKED WITH TWO BANDS OF TAPE. EXTRA WILL BE MARKED WITH THREE BANDS	NWITH TWO BARKED WITH TH	NDS OF REE BANDS
CABLES, (CONNECTORS, A	ARDING THE IN: AND ANTENNAS.	RECOMMENDATIONS REGARDING THE INSTALLATION OF COAXIAL CABLES, CONNECTORS, AND ANTENNAS.		CUCTION MANAGER.				8 WHITE	C3	SECOND	SECONDARY GSM/UMTS	Tx3/Rx GSM DIVERSITY	OF TAPE.			
				HYBRID HYBRID OVP MC	JEK KUNS 10 BE COI DC-FIBER CABLE FR	OM LOWER OF	NE COMMSCOPE VP TO UPPER		9 WHITE	C3	MAIN	MAIN GSM/UMTS	Tx1/Rx GSM MAIN	3. OMNI I	DENTIFICATION: FO	OR OMNI SITES REE ANTENNA,	WHICH IT IS
				#RFF-: JUMPERS O	#RFF-12MM-606-218-SPE (COLOR CODE COAX JUMPERS ONLY).	(COLOR COD	E COAX		10 WHITE	C3	SECOND	SECONDARY GSM/UMTS	Tx3/Rx GSM DIVERSITY	SUGGESTE OBSERVER NORTHERL	SUGGESTED THAT THE ORIENTATION OF THE OBSERVER ALSO BE THAT OF LOOKING IN A NORTHERLY DIRECTION.	OF LOOKING IN	₩ <u></u>
ANTENA	A AND COA	ANTENNA AND COAX SCHEDULE	 <u>"</u>							_				-		N.T.S.	-

T·-Mobile-

T-MOBILE WEST, LLC 2323 DELCANY STREET DENVER, CO 80216 ANTENNA & HYBRID
CABLE SCHEDULE
SHEET NUMBER:

C-13 CPC CM1 16-00070

P O V E COLVERA MA STANSE FAMENCA MEN PORTING TO A COLVERA MA STANSE FAMENCA MEN PORTING TO A COLVERA MA STANSE FAMENCA MEN PORTING TO A COLVERA MANAGEMENT OF THE PORTING TO

		6/C #6 + 2/C #18	009	PVC	CORRUGATED COPPER 0.0035	N/A	COPPER	9	0.411 © 20° C	COPPER	18	6.7 TBD	WS	1.24	1.05	N/A	325	72 NO	-40° C	80. C	LOW WATER PEAK SINGLE MODE LOOSE TUBE	ITU-T REC. G.652.D, G.657.A2	IEC 60793-2-50 TYPE B.1.3 & TYPE B.6 A&B	.242 +/007 OR .9 +/005 MM	24	-	24 ED IACKET	LESS THAN/EQUALTO 0.5	LESS THAN/EQUALTO 0.5
		NUMBER, SIZE (AWG)	VOLTAGE	OUTER JACKET	SHIELDING MAX SHIELD RESISTANCE (OHM/FT @ 20' C	DRAIN	DC CONDUCTOR MATERIAL	DC CONDUCTOR SIZE (AWG)	MAX DC RESISTANCE (OHM/1000FT)	ALARM CONDUCTOR MATERIAL	ALARM CONDUCTOR SIZE (AWG)	MAX DC RESISTANCE (OHM/1000FT) COLOR CODE	FIBER CABLES	OUTER DIAMETER (IN) — NOMINAL	WEIGHT (LB/FT) MINIMILIM REND RADIIIS (IN)	BEND MOMENT (LB/FT)	TENSILE STRENGTH (LB)	STRENGTH MEMBER	OPERATING TEMPERATURE RANGE (LOW)	OPERATING TEMPERATURE RANGE (HIGH)									
COPPER ARMOR 6 AWG COPPER CONDUCTOR X 6	SINGLE MODE FIBER x 24 PVC OUTER JACKET 18 AWG COPPER CONDUCTOR x 2	CABLE TYPE										4 0			~ ~	2 13		5 07			гівек туре	FIBER STANDARD COMPLIANCE		FIBER COATING DIAMETER (um)	FIBER COUNT	NUMBER OF FIBER SUBUNITS	FIBER COUNT FACH UNIT	MAX ATTENUATION, 1310 NM (dB/Km)	MAX ATTENUATION, 1550 nm (dB/km)
S φος		CABLE	_														·				FIBER			FIBER	FIBER	NUMBE	FIBER	MAX AT	
																													SCALE
																													SCALE
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