

MIN BLM RNC - NODE 1 **NEW BUILD**

PROJECT INFORMATION

SITE NAME: MIN BLM RNC - NODE 1

10801 BUSH LAKE ROAD SITE ADDRESS:

BLOOMINGTON, MN 55438

COUNTY: HENNEPIN

LATITUDE: N 44° 48' 25.41" (NAD83)

LONGITUDE: W 93° 22' 28.93" (NAD83)

DRAWING BASED ON

SITE DATA FORM DATED: 09.03.20

CONSTRUCTION TYPE:

BUILDING CODE: MINNESOTA STATE BUILDING CODE 2020

	VICINITY MAP									
ı				w	EST OLD SHAKOPEE RD					
	WEST 109TH ST	BUSH LAKE ROAD	SITE	LOUISIANA AVE S			HAMPSHIRE AVE S			
		\ \ \			WEST 110TH ST	((ORTH			

SHEET INDEX SHEET DESCRIPTION T-1 PROJECT INFORMATION, TOWER ELEVATION, & SHEET INDEX SITE PLAN, ENLARGED SITE PLAN AND PHOTOS A-2 ENLARGED SITE / FLOOR PLAN A-3 ANTENNA AND COAX KEY, ANTENNA PLAN & TOWER ELEVATION G-1 GROUNDING PLANS AND NOTES U-1 SITE UTILITY PLAN & NOTES

	VICINITY MAP								
			W	EST OLD SHAKOPEE RD					
WEST 109TH ST	BUSH LAKE ROAD	SITE	LOUISIANA AVE S		היישוו טווויר היידר ט	HAMBOHIRE AVE O			
	\rangle			WEST 110TH ST	NO —/	ORTH			
	_								

LOCATION SCAN

	ISSUE SUMMARY								
REV	DESCRIPTION	SHEET/DETAIL							
Α	ISSUED FOR REVIEW 09.14.20	ALL							
A.1	ISSUED FOR REVIEW 09.15.20	ALL							
В	ISSUED FOR REVIEW 09.25.20	ALL							
С	ISSUED FOR REVIEW 10.08.20	ALL							
D	ISSUED FOR REVIEW 10.23.20	ALL							

DEPARTMENTAL APPROVALS DATE JOB TITLE RF ENGINEER OPERATIONS MANAGER CONSTRUCTION ENGINEER

CONTACTS

OWNER: VERIZON WIRELESS

10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438 CONSTRUCTION DEPT (952) 946-4700

POWER UTILITY

COMPANY CONTACT:

TELCO UTILITY T.B.D.

ARCHITECT:

COMPANY CONTACT:

9973 VALLEY VIEW ROAD EDEN PRAIRIE, MN 55344

CASE #PL2020-175

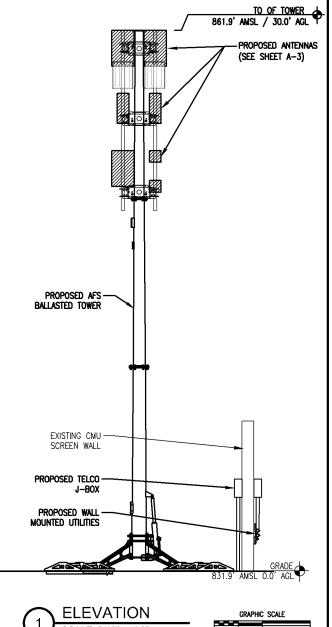
APPROVED

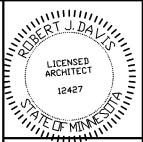
Zoning Review Only 12/04/2020 NMJ

TOWER ELEVATION

- 1.) TOWER TO BE ERECTED AND INSTALLED IN ACCORDANCE WITH TOWER MANUFACTURER'S DRAWINGS NOT INCLUDED WITH THIS PACKAGE. DISCREPANCIES BETWEEN TOWER DRAWINGS AND ARCHITECTURAL DRAWINGS TO BE REPORTED TO VERIZON WIRELESS AND THE ARCHITECT IMMEDIATELY.
- 2.) CONTRACTOR TO ENSURE TIP OF ANTENNAS DO NOT EXCEED TOWER HEIGHT.
- 3). ALL CONSTRUCTION AND POST—CONSTRUCTION PARKING AND STORAGE OF EQUIPMENT AND NATERIALS MUST BE ON—SITE. USE OF PUBLIC STREETS FOR PRIVATE CONSTRUCTION PARKING, LOADING/UNLOADING, AND STORAGE IS NOT PERMITTED.

|<u>NOTE:</u> | SEE SHEET A=4 FOR ANTENNA TYPES AND HEIGHTS





I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly the laws of the state of MINNESOTA. ROBERT J. DAVIS, Reg. No. 12427





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PROJECT 20202188080

LOC. CODE: 671831

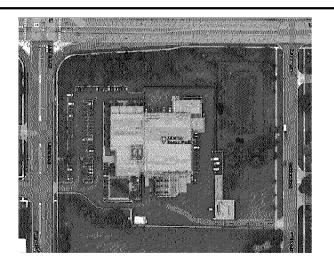
MIN **BLM RNC** NODE #1

10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438

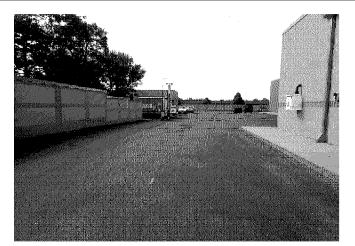
SHEET CONTENTS:

CONTACTS ISSUE SUMMARY SHEET INDEX DEPARTMENTAL APPROVALS LESSOR APPROVAL PROJECT INFORMATION AREA & VICINITY MAPS GENERAL NOTES

DRAWN BY:	KJM
DATE:	09.08.20
CHECKED BY:	B.\$.
REV A	09.14.20
REV A.1	09.15.20
REV B	09.25.20
REV C	10.08.20
REV D	10.23.20



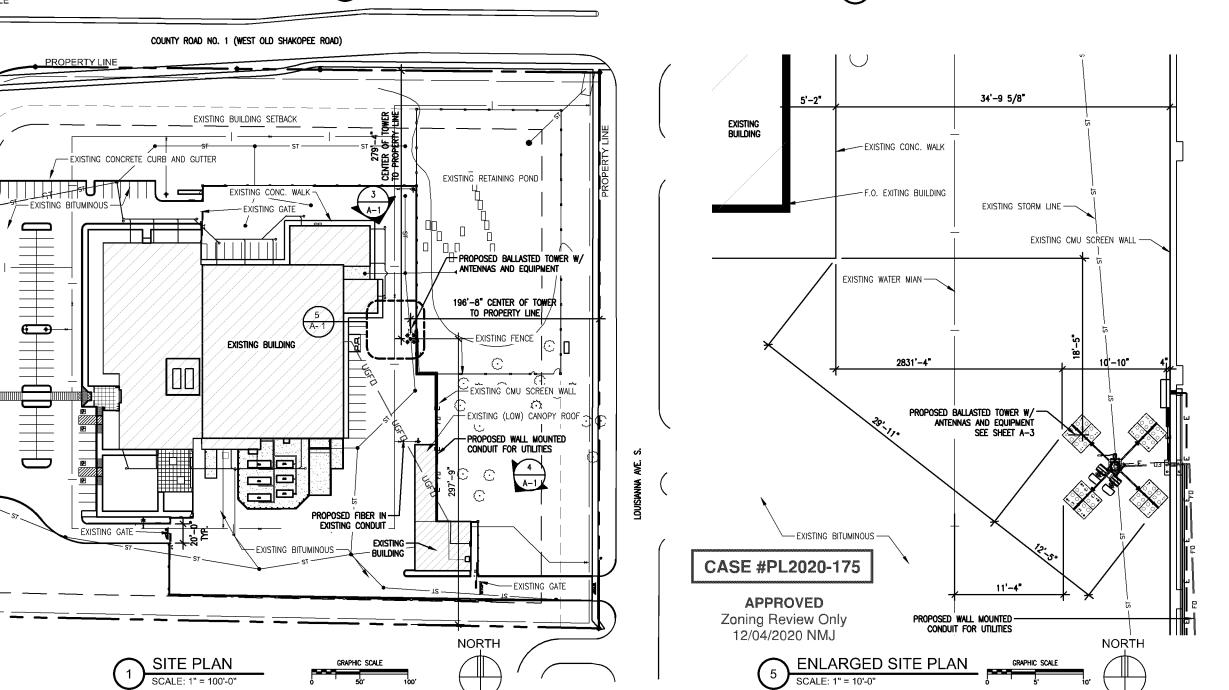


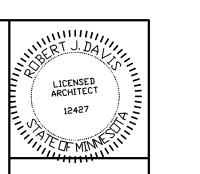


(3) EXISTING CONDITION SCALE: NO SCALE



4 EXISTING CONDITION
SCALE: NO SCALE





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SHEET CONTENTS: SITE PLAN PHOTOS

DRAWN BY:	KJM
DATE:	09.08.20
CHECKED BY:	B.\$.
REV A	09.14.20
REV A.1	09.15.20
REV B	09.25.20
REV C	10.08.20
REV D	10.23.20

Α-

PROPOSED ANTENNA KEY										EQUIPMEN	NT/CABLE KE	Υ							
NODE	AZIMUTH	POSITION	PORT	QTY	MANUFACTURER	MODEL	MOD TYPE	ANTENNA HEIGHT		ANTENNA Weight	antenna Tip			MECH Downtilt	STATUS	QTY	MANUFACTURER	MODEL	RRU PORT
11	210*	1.1		1	JMA	DX12FR0260	700 LTE +45	24"	15"	17.4 LBS	30.0'	29.0'	30'	22°	PROPOSED	1_	ERICSSON	#4449	1
		1.2				2ND PORT	700 LTE -45												22
		1.3				3RD PORT	AWS +45									_1_	ERICSSON	#8843	11
	L	1.4				4TH PORT	AWS -45												2
		1.5				5TH PORT	AWS +45									_		#8843	3
	<u> </u>	1.6				6TH_PORT	AWS -45					<u></u>	_ <u>-</u>						4
	****	1.7-1.12			-	7TH - 12TH PORT	TERMINATE					-					*****	-	
1	210	2.1		1	JMA	DX12FR0260	700/850 -45	24"	15"	17.4 LBS	30.0'	29.0'	30"	22"	PROPOSED			#4449	3
	<u> </u>	2.2		<u></u>		2ND PORT	700/850 -45				<u>-</u>	<u></u>	_ <u>-</u>					-	4
	<u> </u>	2.3				3RD_PORT	PCS +45					<u></u>	_ <u>-</u>					#8843	55
	<u> </u>	2.4		<u></u>		4TH PORT	PCS -45					<u>_</u>							6
	<u> </u>	2.5				5TH PORT	PCS +45					<u></u>	_ <u>-</u>					#8843	7
	<u> </u>	2.6		<u></u>		6TH PORT	PCS -45					<u>_</u>						_	88
		2.7 - 2.12			_	7TH - 12TH PORT	TERMINATE					-	****			_	*****		
1	210	3	-	1	ERICSSON	AIR6701	28GHz	20.1"		30.8 LBS		25.7'	-	22°	PROPOSED				
1	210*	4	-	1	ERICSSON	AIR6701	39GHz	20.1"		30.8 LBS		25.7'	-	22°	PROPOSED		****	-	
1	210	5	-	1	-	L-SUB 6	-	30.4"	15.9"	81.6 LBS	23.6'	22.3'	1	22°	PROPOSED	_		_	
1	210*	6	-	1	ERICSSON	4408	CBRS / LTE	8.4"	7.87*	11 LBS	23.3'	23.0'	-	-	PROPOSED		****	-	
1	210°	7	_	1	JMA	2205	LAA / LTE	7.9"	7.87*	12.2 LBS	21.7'	21.4	-	_	PROPOSED			_	



PROPOSED EQUIPMENT KEY								
QTY.	MANUFACTURER	MODEL	STATUS	DISCRIPTION				
	RAYCAP	#RVZD-4520-RM-48	PROPOSED	DISTRIBUTION BOX				
1	ERICSSON	RRU 8843	PROPOSED	RRUS				
1	ERICSSON	RRU 4449	PROPOSED	RRUS				
	ERICSSON	PSU 6302	PROPOSED	POWER CONVERTER				
12	COMMSCOPE	#LDF-50A	PROPOSED	COAX				

COAX KEY

CASE #PL2020-175

APPROVED

EXISTING CMU

SCREEN WALL

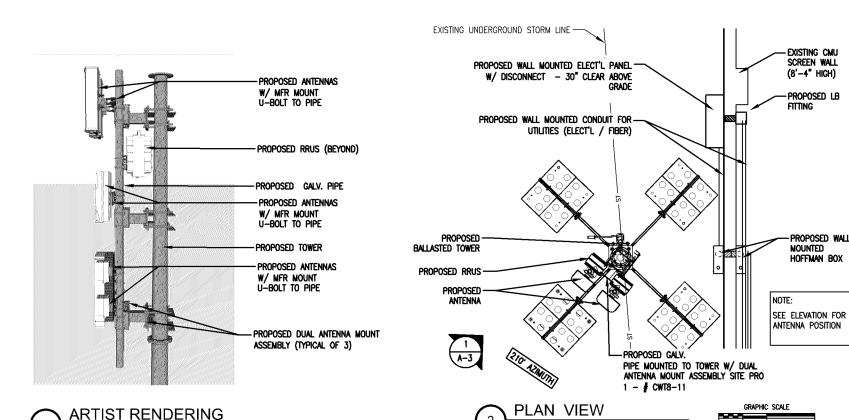
(8'-4" HIGH)

PROPOSED LB

PROPOSED WALL

MOUNTED HOFFMAN BOX

Zoning Review Only 12/04/2020 NMJ



MIN BLM RNC NODE 1

- (A) 1) 4449 // Size: H 17.91" × W 13.18" × D 9.25" // Weight: 67.24 lbs
- (B) 1) 8843 // Size: H 17.95" x W 13.18" x D 11.1" // Weight: 71.87 lbs
- (C) 1) 4408 // Size: H 8.38" x W 7.87" x D 4.92" // Weight: 11.02 lbs
- (D) 1) 2205 // Size: H 7.87" x W 7.87" x D 4.84" // Weight: 12.23 lbs kg
- (E) 1) AIR6701 28GHz // Size: H 20.11" x W 7.87" x D 4.92" // 30.86 lbs
- (F) 1) AIR6701 39GHz // Size: H 20.11" x W 7.87" x D 4.92" // 30.86 lbs
- (G) 1) Sub 6 // Size: H 30.4" x W 15.9" x D 8.1" // Weight: 81.6 lbs

(H) 2) DX12FRO260-20 // Size: H 24" x W 15" x D 5.25" // Weight: 17.4 lbs

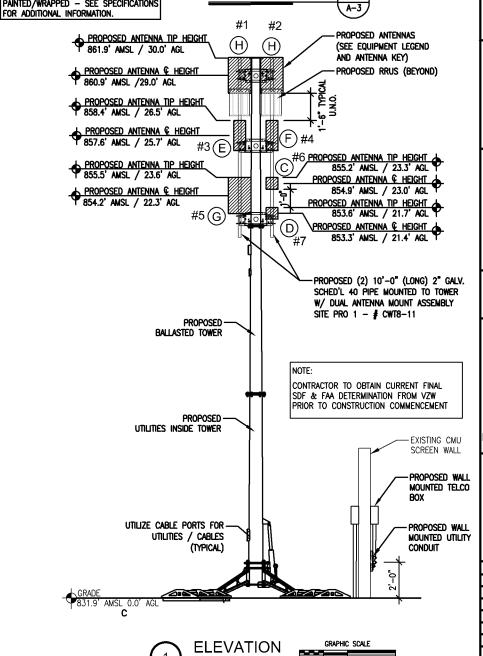
NOTE: # = ANTENNA POSITION

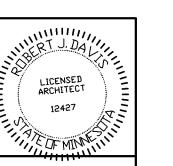
NOTE: ALL ANTENNAS AND EQUIPMENT

PAINTED/WRAPPED - SEE SPECIFICATIONS

MOUNTED ON TOWER TO BE







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DESIGN

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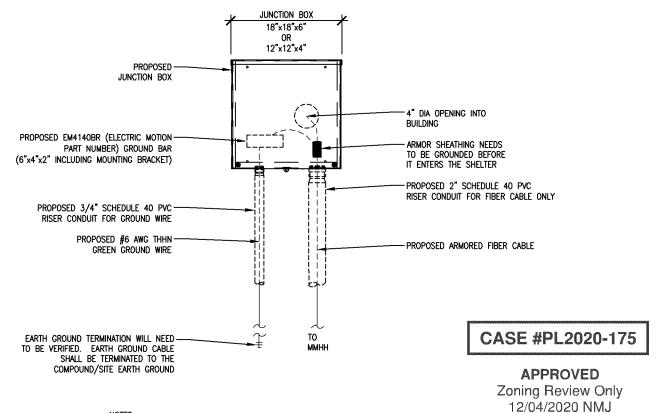
SHEET CONTENTS: COAX & ANTENNA KEY TOWER ELEVATION ANTENNA MOUNTING DETAIL

DRAWN BY:	KJM
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REV A	09.14.20
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A-3

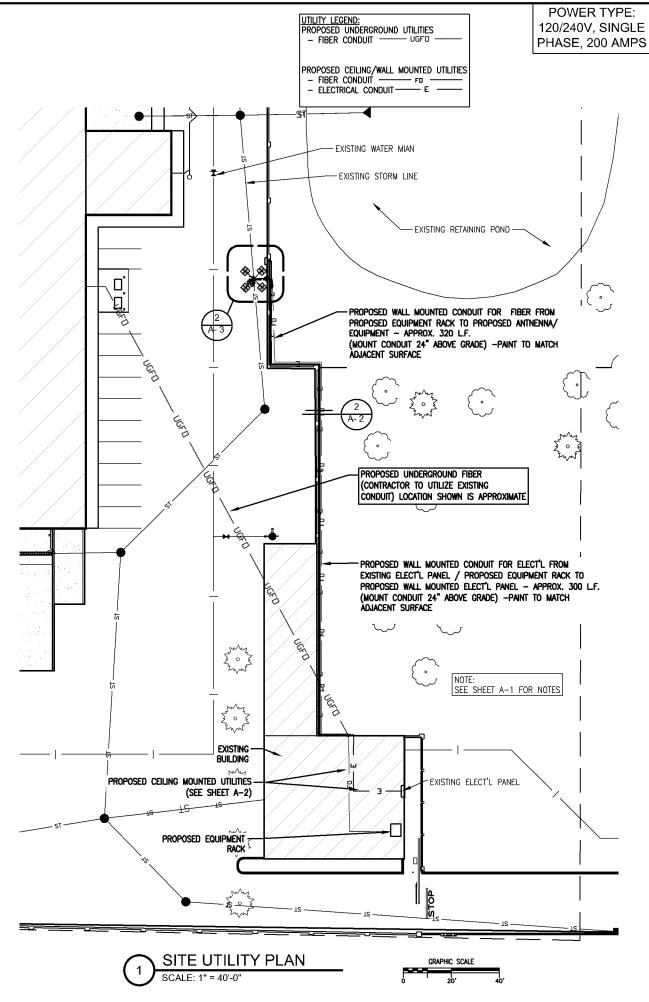
GENERAL NOTES:

- CONTRACTOR TO COORDINATE PUBLIC & PRIVATE UTILITY LOCATES PER STATE LAW PRIOR TO EXCAVATION. EXISTING UTILITY LINES DEVIATING FROM THAT SHOWN HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT & VZW CONSTRUCTION ENCLUSED.
- EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE TO NOT DAMAGE UNDERGROUND UTILITIES AND MUST CONDUCT BOTH PUBLIC AND PRIVATE UTILITY LOCATES BEFORE EXCAVATING.
- G.C. TO PROVIDE J-BOX/PULL BOX AT 90 DEGREE BENDS (REDIRECTION) FOR FIBER WHEN IN CONDUIT (PAINT).
- GROUND DISTURBANCE IS NOT EXPECTED IN THIS PROJECT; HOWEVER; CONTRACTOR TO HAND DIG AT ALL LOCATIONS NEAR EXISTING UTILITIES IF REQUIRED.



NOTES:

- 1. #6 THHN GREEN CABLE TO BE USED FOR THE GROUNDING CABLE.
- 2. EARTH GROUND SHALL BE TERMINATED TO THE COMOUND/SITE EARTH GROUND.
- 3. IN-BUILDING AND WATER TOWERS: IF YOU ARE ATTEMPTING TO GROUND TO AN EXISTING GROUND BAR WITHIN THE BUILDING OR WATER TOWER, SECURE LANDLORD APPROVAL PRIOR TO GROUNDING.



LICENSED ARCHITECT
12427

LICENSED ARCHITECT
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SHEET CONTENTS: SITE UTILITY PLAN

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TELCO ENTRY DETAIL - WEATHER TIGHT ENCLOSURE

SCALE: NONE