



# POWDER MOUNTAIN

## NSB MONOPOLE

### ENGINEERING

2009 INTERNATIONAL BUILDING CODE  
2009 NATIONAL ELECTRIC CODE  
TIA-222-G OR LATEST EDITION

### GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE, NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

### PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE INSTALLATION AND OPERATION OF ANTENNAS AND ASSOCIATED EQUIPMENT & CABINETS FOR AT&T'S WIRELESS TELECOMMUNICATIONS NETWORK.

### SITE INFORMATION

**PROPERTY OWNER:** -  
**ADDRESS:** POWDER MOUNTAIN  
EDEN, UT 84310

**TOWER OWNER:** AT&T  
**SITE NAME:** POWDER MOUNTAIN  
**SITE NUMBER:** -

**SITE CONTACT:** -

**COUNTY:** WEBER

**LATITUDE (NAD 83)** 41° 22' 10.76" N

**LONGITUDE (NAD 83)** 111° 45' 50.03" W

**ZONING JURISDICTION:** WEBER COUNTY

**ZONING CLASSIFICATION:** -

**PARCEL #:** -

**POWER COMPANY:** ROCKY MTN POWER

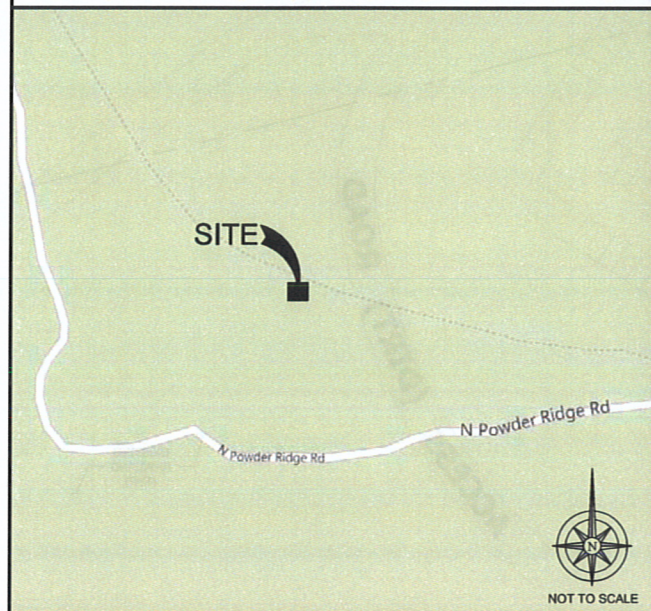
**TELEPHONE COMPANY:** QWEST

**SITE ACQUISITION CONTACT:** JARED WHITE

**RF ENGINEER:** -

**CONSTRUCTION MANAGER:** -

### VICINITY MAP



### LOCAL MAP



### DRIVING DIRECTIONS

STARTING FROM AT&T OFFICE: 4393 RIVERBOAT ROAD, TAYLORSVILLE, UT:

- DEPART RIVERBOAT RD TOWARD UT-266 W / W 4500 S
- TURN LEFT ONTO UT-266 E / W 4500 S
- TAKE RAMP LEFT FOR I-15 N
- KEEP STRAIGHT ONTO I-15 N / I-84 W
- AT EXIT 344, TAKE RAMP RIGHT AND FOLLOW SIGNS FOR UT-39
- TURN RIGHT ONTO UT-39 / W 12TH ST / W 1200 S
- TURN LEFT ONTO UT-158
- KEEP RIGHT TO STAY ON UT-158 / N UT-158
- TURN RIGHT ONTO SUGAR PINE DR
- ROAD NAME CHANGES TO N POWDER RIDGE RD
- FOLLOW ROAD UP TO HIDDEN LAKE EXPRESS
- SITE IS LOCATED ON WEBER COUNTY SIDE OF COUNTY LINE

### APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

AT&T WIRELESS COMPLIANCE REPRESENTATIVE: \_\_\_\_\_ DATE: \_\_\_\_\_

AT&T WIRELESS REPRESENTATIVE: \_\_\_\_\_ DATE: \_\_\_\_\_

AT&T WIRELESS RF ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_

GENERAL DYNAMICS SITE ACQUISITION: \_\_\_\_\_ DATE: \_\_\_\_\_

TAEC SITE ACQUISITION: \_\_\_\_\_ DATE: \_\_\_\_\_

PROPERTY OWNER: \_\_\_\_\_ DATE: \_\_\_\_\_

GENERAL DYNAMICS CONSTRUCTION MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY & CONFIDENTIAL. ANY USE OR DISCLOSURE OTHER THAN AS IT RELATES TO IS STRICTLY PROHIBITED.

### DRAWING INDEX

SHEET NO:	DESCRIPTION:
T-1	TITLE SHEET
C-1	OVERALL SITE PLAN
C-1.1	ENLARGED SITE PLAN
C-2	EQUIPMENT & ANTENNA PLANS
C-3	SOUTHWEST & SOUTHEAST ELEVATIONS

### DO NOT SCALE DRAWINGS

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



Know what's below.  
CALL before you dig.

CALL AT LEAST TWO WORKING  
DAYS BEFORE YOU DIG



4393 RIVERBOAT ROAD, SUITE #400  
TAYLORSVILLE, UTAH 84123

### GENERAL DYNAMICS Information Technology

1152 W 2400 S, SUITE C  
SALT LAKE CITY, UTAH 84119



### Technology Associates

#### UTAH MARKET OFFICE

9847 SOUTH 500 WEST  
SANDY, UTAH 84070  
(801) 463-1020

REV	DATE	DESCRIPTION	BY
B	03/26/2013	90% ZONING	J.R.
A	03/06/2013	90% ZONING	J.R.

NOT TO BE USED  
FOR CONSTRUCTION

IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

### POWDER MOUNTAIN

POWDER MOUNTAIN  
EDEN, UT 84310  
NSB MONOPOLE

SHEET TITLE

### TITLE SHEET

SHEET NUMBER

# T-1

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE (AUTO) IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES



**DISCLAIMER**  
 THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, AND SETBACKS SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION. TAEC DOES NOT GUARANTEE THE ACCURACY OF SAID PROPERTY LINES, EASEMENTS, ROADS AND SETBACKS.



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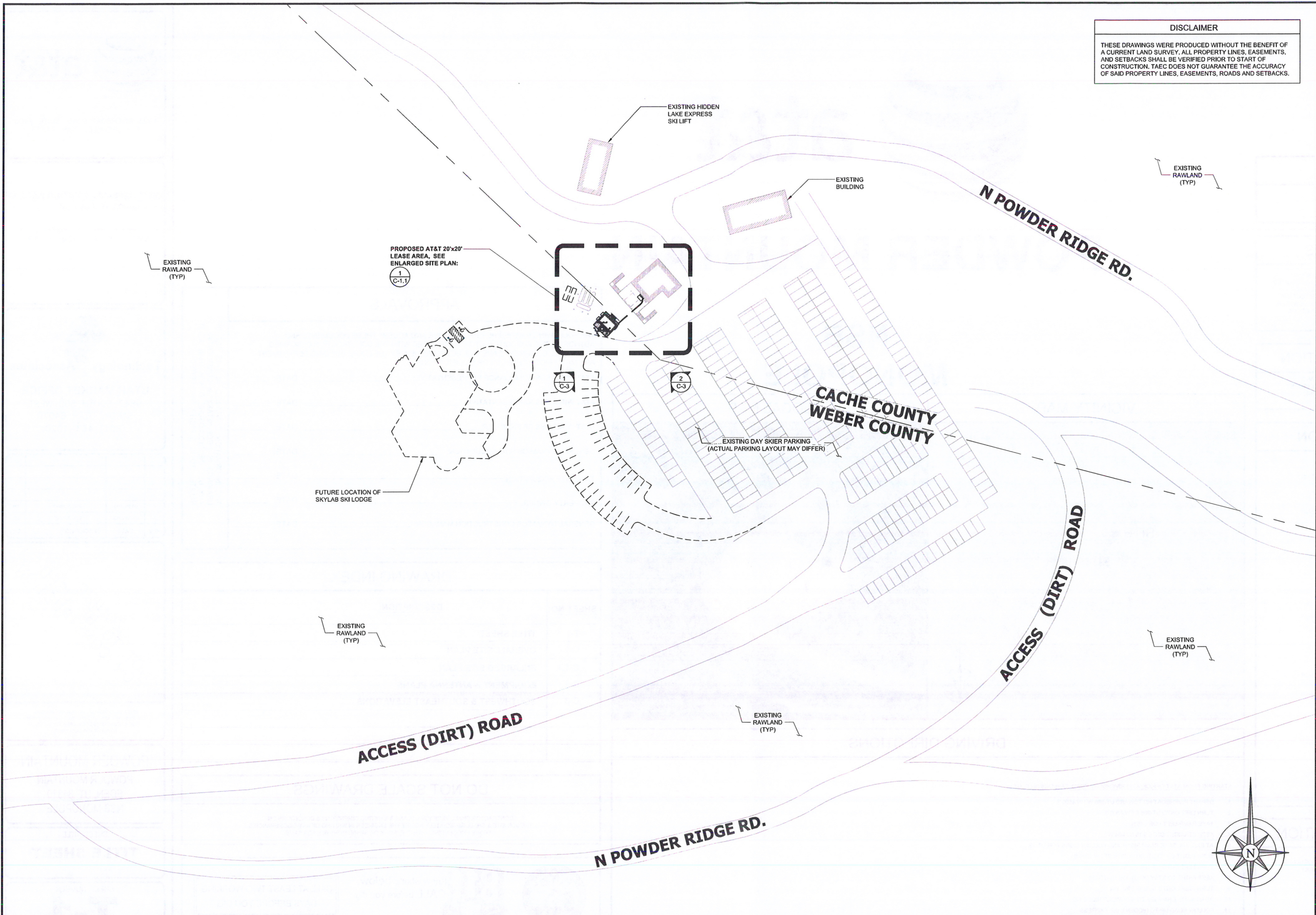
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**POWDER MOUNTAIN**  
 POWDER MOUNTAIN  
 EDEN, UT 84310  
 NSB MONOPOLE

SHEET TITLE  
**OVERALL SITE PLAN**

SHEET NUMBER  
**C-1**



50' 0 25' 50' SCALE: 1" = 50'-0" (24x36)  
 (OR) 1/2" = 50'-0" (11x17)

1

**OVERALL SITE PLAN**

NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE BAR IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES





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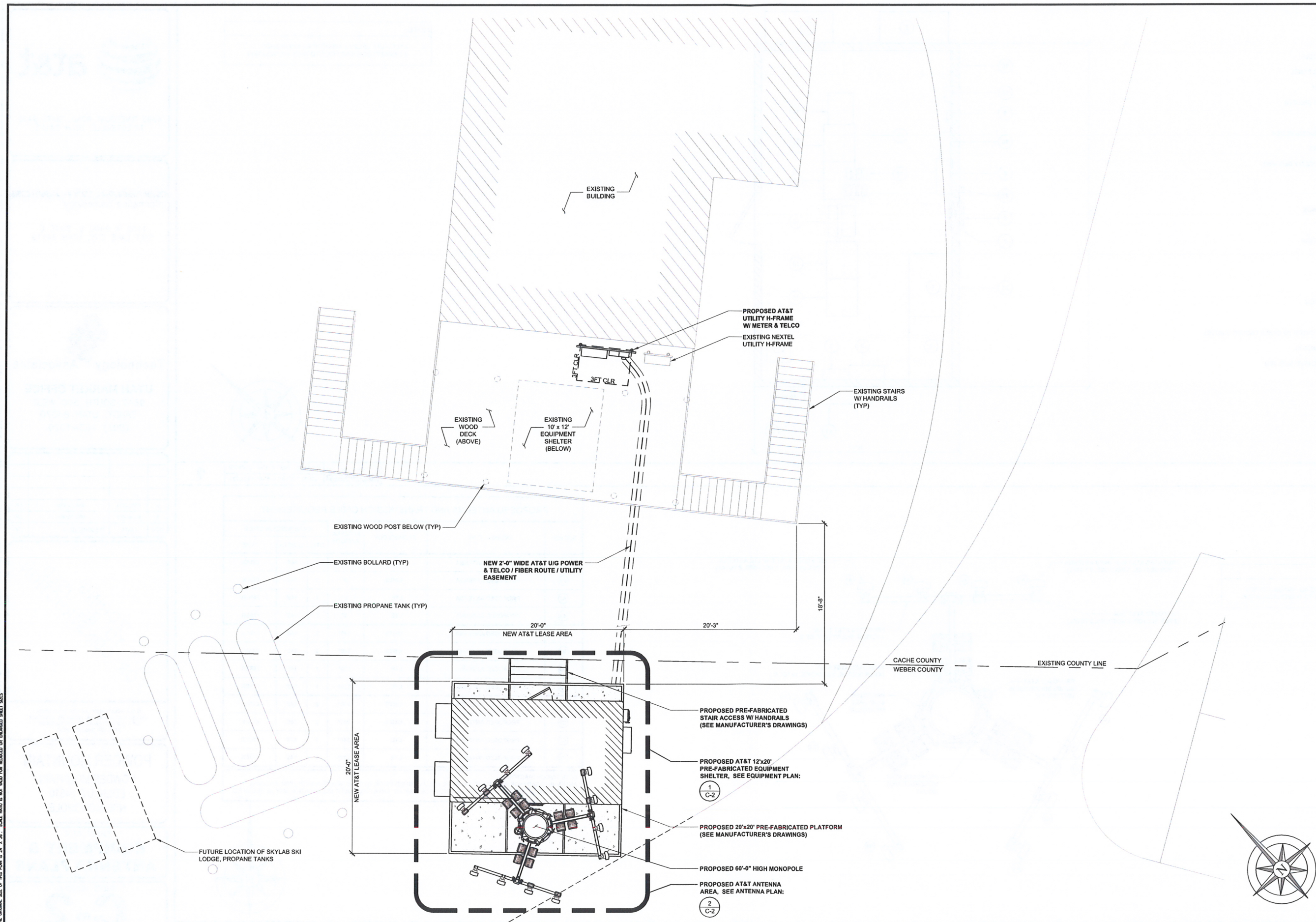
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**POWDER MOUNTAIN**  
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NSB MONOPOLE

SHEET TITLE  
**ENLARGED  
SITE PLAN**

SHEET NUMBER  
**C-1.1**



NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" x 36". SCALE: 3/16" = 1'-0" (24x36) (OR) 3/32" = 1'-0" (11x17)

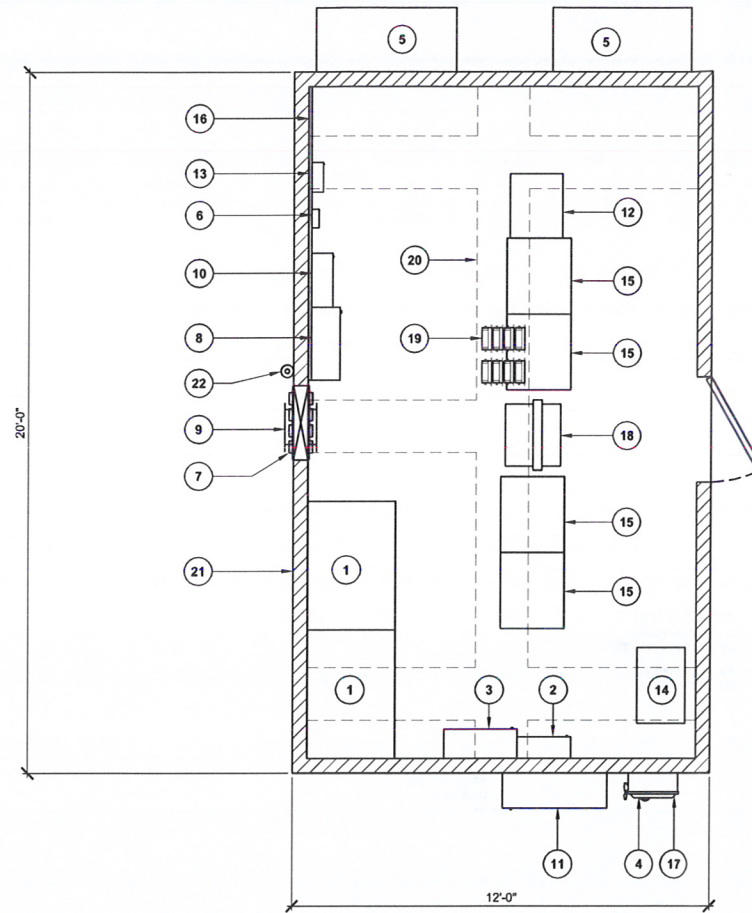
**ENLARGED SITE PLAN**

0 1.5' 3' 5' SCALE: 3/16" = 1'-0" (24x36)  
(OR) 3/32" = 1'-0" (11x17)



**KEY NOTES**

- 1 PROPOSED AT&T BATTERIES / GEL CELL
- 2 PROPOSED AT&T AC MAIN BREAKER PANEL
- 3 PROPOSED AT&T TRANSFER SWITCH
- 4 PROPOSED AT&T GENERATOR PLUG (BELOW)
- 5 PROPOSED AT&T HVAC UNIT
- 6 PROPOSED AT&T 66 / TELCO PUNCHDOWN BLOCK
- 7 PROPOSED AT&T CABLE ENTRY PORT
- 8 PROPOSED AT&T TELCO CABINET (UTILITY DEMARK)
- 9 PROPOSED AT&T GROUND BAR
- 10 PROPOSED AT&T NIU (S)
- 11 PROPOSED AT&T TELCO JUNCTION BOX
- 12 PROPOSED AT&T DSX PANEL
- 13 PROPOSED AT&T ALARM DEMARCATION
- 14 PROPOSED AT&T RECTIFIER
- 15 PROPOSED AT&T CABINET
- 16 PROPOSED AT&T TELCO BOARD
- 17 PROPOSED AT&T DISCONNECT SWITCH
- 18 PROPOSED AT&T 19" RACK
- 19 (8) PROPOSED AT&T DIPLEXERS MOUNTED TO CABLE LADDER (ABOVE)
- 20 PROPOSED AT&T CABLE LADDER (ABOVE)
- 21 PROPOSED AT&T 12'x20' PRE-FABRICATED SHELTER
- 22 PROPOSED AT&T GPS ANTENNA



**NOTE:**  
1. AT&T SHALL VERIFY & APPROVE ALL EQUIPMENT & CABINET LOCATIONS PRIOR TO THEIR INSTALLATION.



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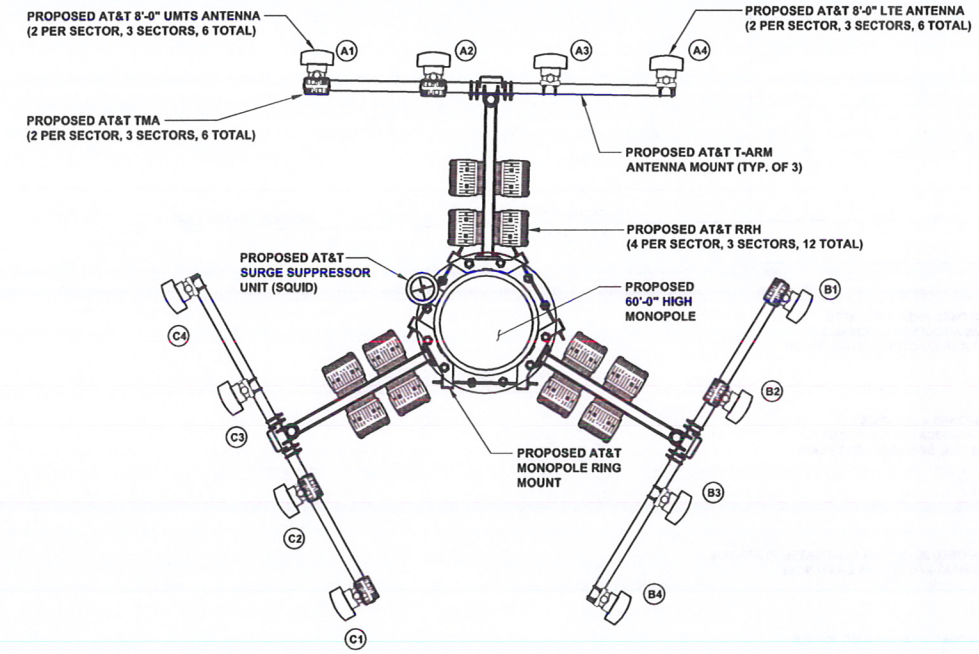
**EQUIPMENT PLAN**

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)  
(OR) 3/16" = 1'-0" (11x17)

**1**

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**NOTE:**  
1. AT&T SHALL VERIFY & APPROVE ALL ANTENNA TYPES & ANTENNA LOCATIONS PRIOR TO THEIR INSTALLATION.



PROPOSED ANTENNA AND TRANSMISSION CABLE REQUIREMENT						
SECTOR	ANTENNA TYPE	TECHNOLOGY	ANTENNA AZIMUTH	TRANSMISSION CABLE		
				QTY.	LENGTH	TYPE
A1	PROPOSED ANTENNA	UMTS	0°	2	145'	COAX
A2	PROPOSED ANTENNA	UMTS	0°	2	145'	COAX
A3	PROPOSED ANTENNA	LTE	0°	1	145'	FIBER
A4	PROPOSED ANTENNA	LTE	0°	1	145'	FIBER
B1	PROPOSED ANTENNA	UMTS	120°	2	145'	COAX
B2	PROPOSED ANTENNA	UMTS	120°	2	145'	COAX
B3	PROPOSED ANTENNA	LTE	120°	1	145'	FIBER
B4	PROPOSED ANTENNA	LTE	120°	1	145'	FIBER
C1	PROPOSED ANTENNA	UMTS	240°	2	145'	COAX
C2	PROPOSED ANTENNA	UMTS	240°	2	145'	COAX
C3	PROPOSED ANTENNA	LTE	240°	1	145'	FIBER
C4	PROPOSED ANTENNA	LTE	240°	1	145'	FIBER

**NOTE TO CONTRACTOR:**  
ANTENNA CLEARANCE AND MOUNTING TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION WITH FINAL ANTENNA SPECIFICATIONS, MOUNTING HARDWARE, AND RF DESIGN. ANTENNA PIPE MOUNT MODIFICATION MAY BE REQUIRED.



**ANTENNA PLAN**

0 1' 2' 3' SCALE: 3/8" = 1'-0" (24x36)  
(OR) 3/16" = 1'-0" (11x17)

**2**

**POWDER MOUNTAIN**  
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SHEET TITLE  
**EQUIPMENT & ANTENNA PLANS**

SHEET NUMBER  
**C-2**

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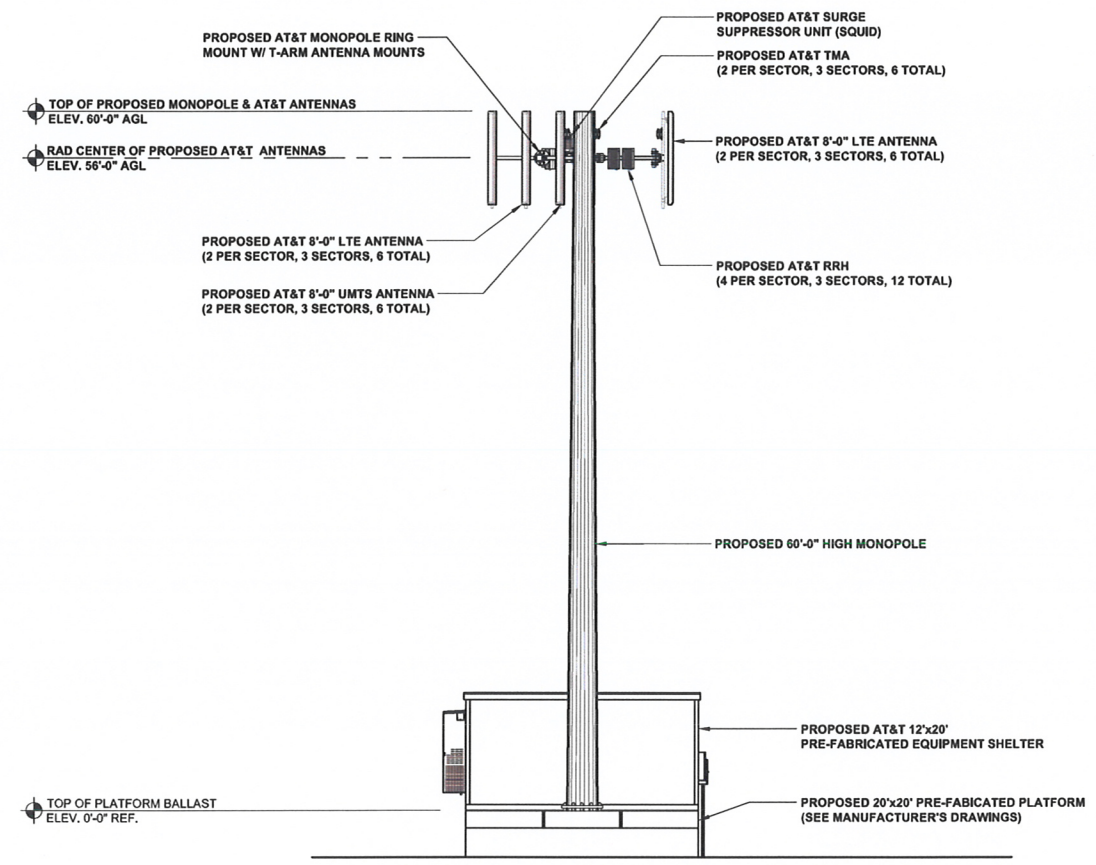
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SHEET TITLE  
**SOUTHWEST & SOUTHEAST ELEVATIONS**

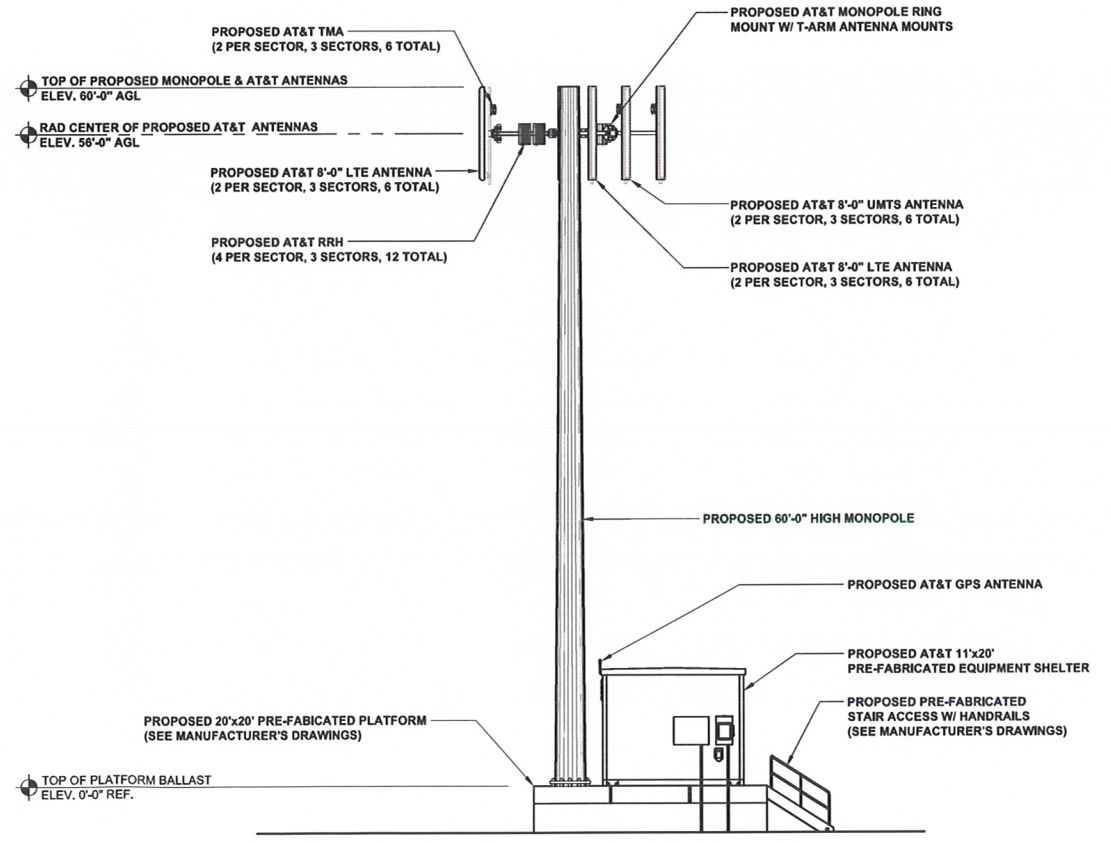
SHEET NUMBER  
**C-3**



**SOUTHWEST ELEVATION**

0 2' 4' 8' SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17)

**1**



**SOUTHEAST ELEVATION**

0 2' 4' 8' SCALE: 1/8" = 1'-0" (24x36)  
(OR) 1/16" = 1'-0" (11x17)

**2**

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