



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

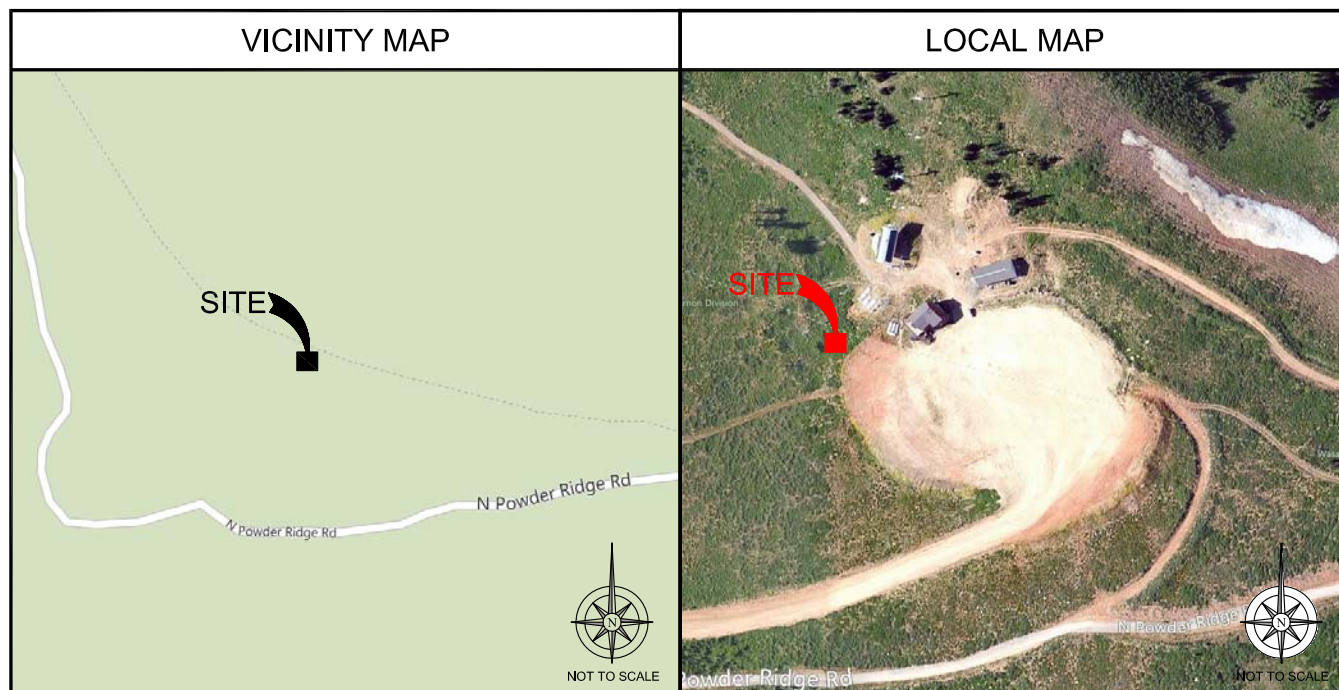
RF ENGINEER: -
CONSTRUCTION MANAGER: -

CONTACT INFORMATION

ENGINEER: TECHNOLOGY ASSOCIATES
9847 SOUTH 500 WEST
SANDY, UT 84070

CONTACT: JEFF VANDERVEEN

PHONE: (801) 910-2965



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
C	05/10/2013	90% ZONING	J.R.
B	03/26/2013	90% ZONING	J.R.
A	03/06/2013	90% ZONING	J.R.

NOT TO BE USED FOR ZONING 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 SHOWN 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.



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
C	05/10/2013	90% ZONING	J.R.
B	03/26/2013	90% ZONING	J.R.
A	03/06/2013	90% ZONING	J.R.

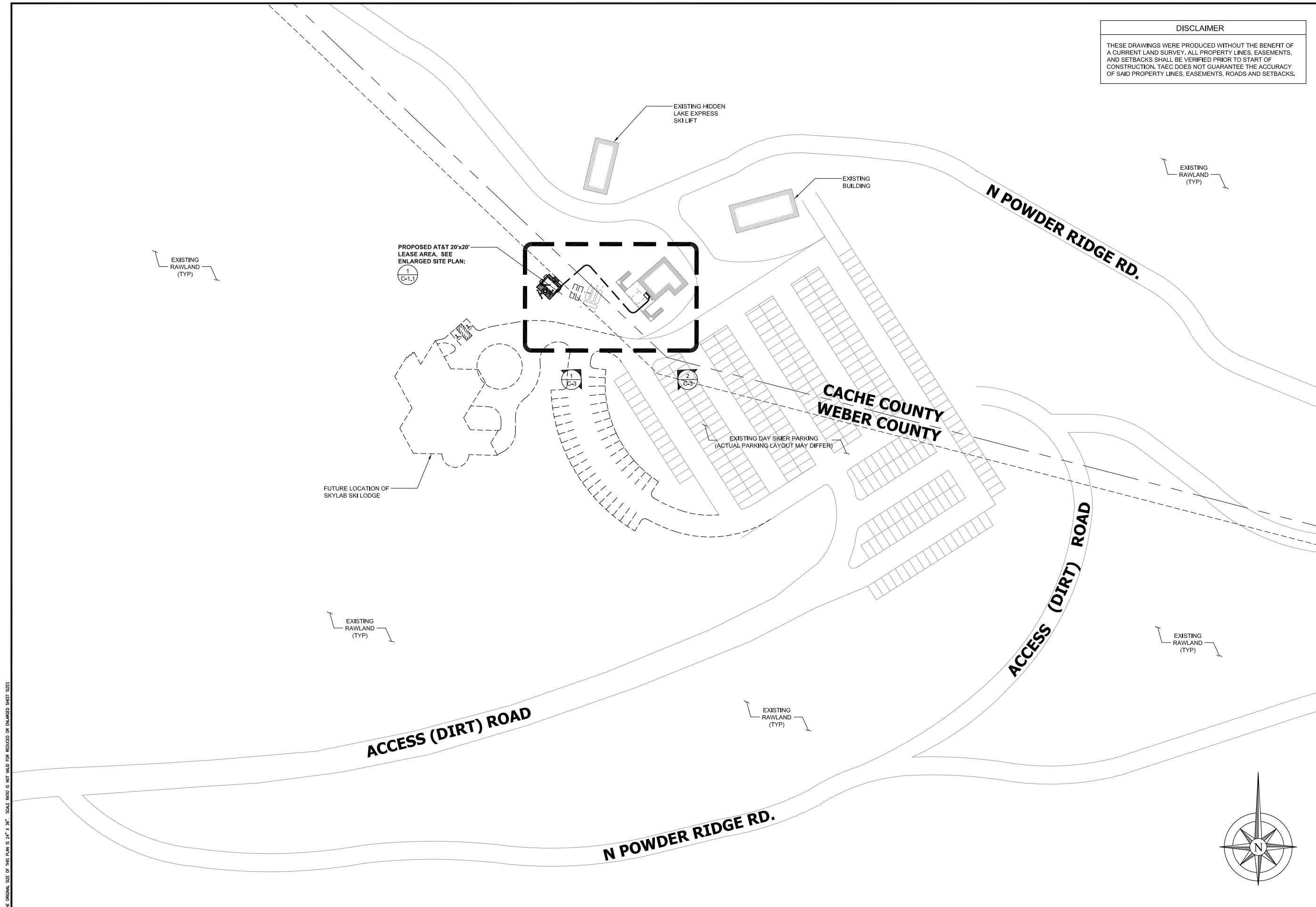
NOT TO BE USED FOR ZONING CONSTRUCTION

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
OVERALL SITE PLAN

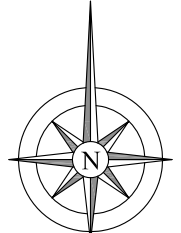
SHEET NUMBER
C-1



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

OVERALL SITE PLAN

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





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
C	05/10/2013	90% ZONING	J.R.
B	03/26/2013	90% ZONING	J.R.
A	03/06/2013	90% ZONING	J.R.

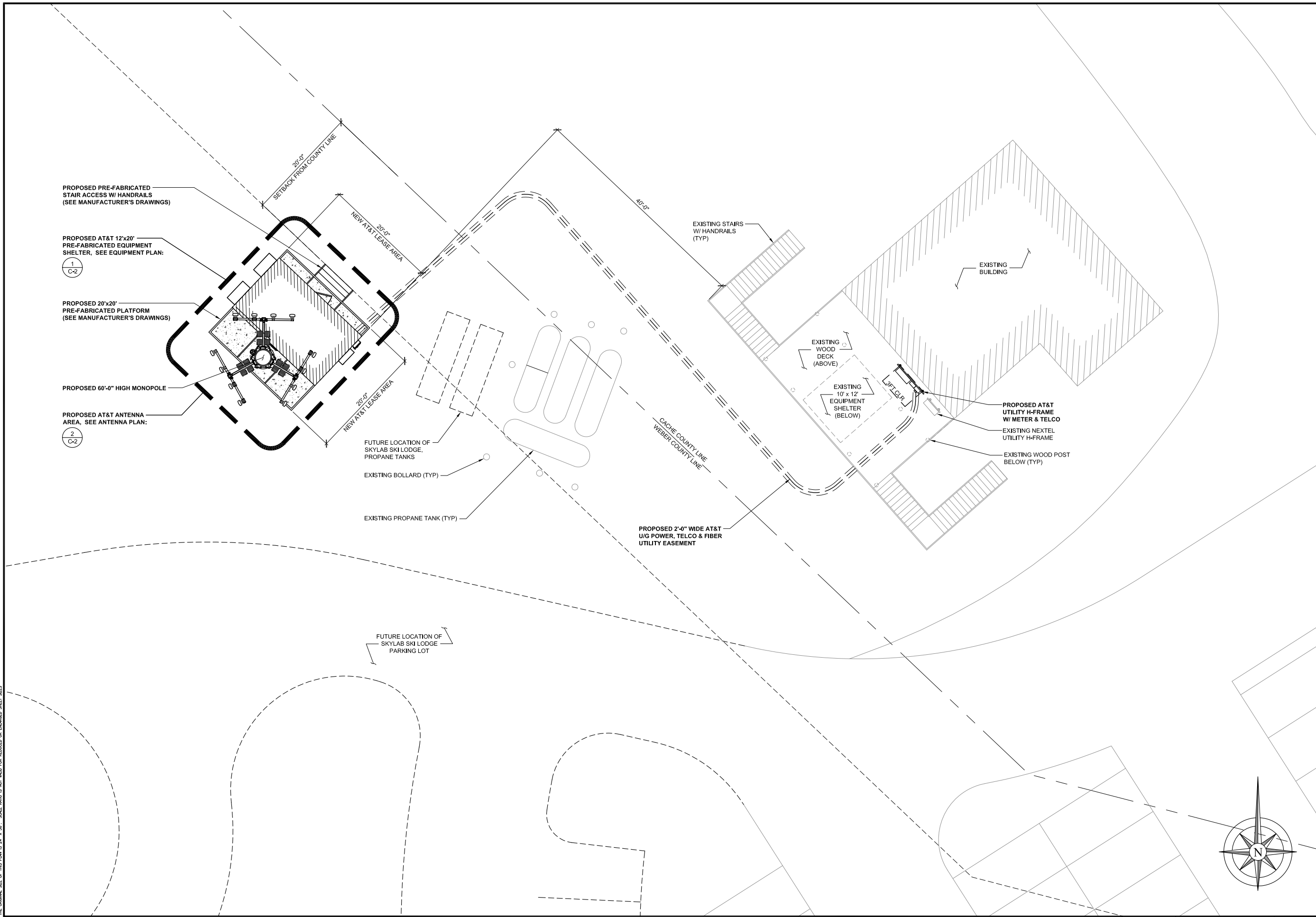
NOT TO BE USED FOR CONSTRUCTION

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
OVERALL SITE PLAN

SHEET NUMBER
C-1.1

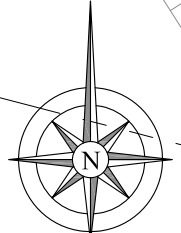


NOTE: THE ORIGINAL SIZE OF THIS PLAN IS 24" X 36". SCALE BOUND IS NOT VALID FOR REDUCED OR ENLARGED SHEET SIZES

OVERALL SITE PLAN

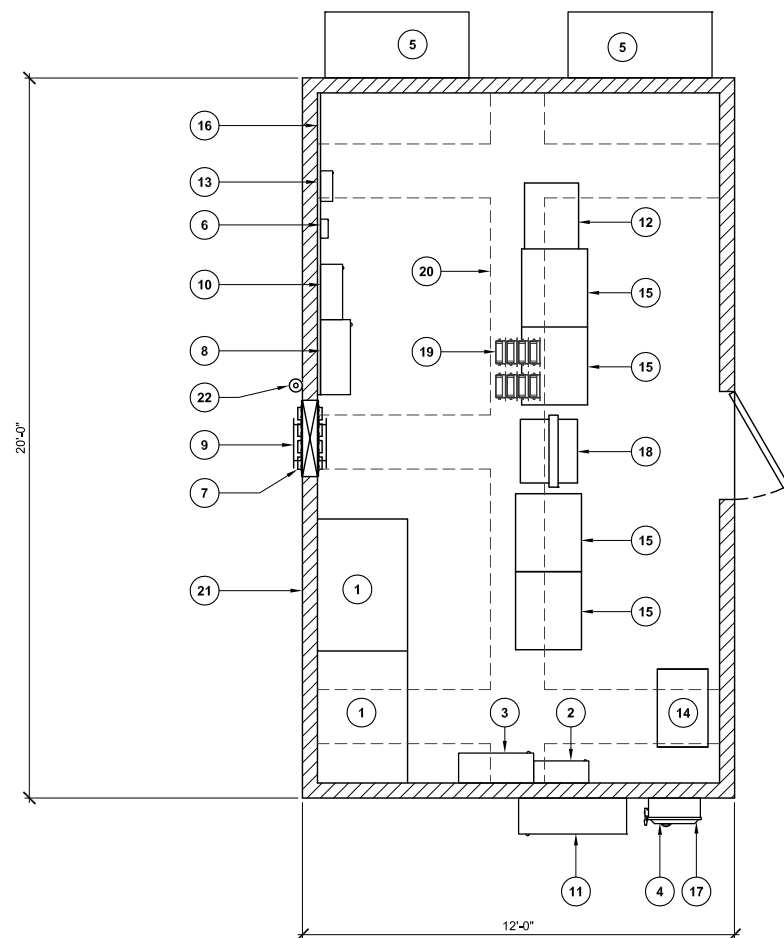
0 2' 4' 8' SCALE: 1/8" = 1'-0" (24x36)
(OR) 1/16" = 1'-0" (11x17)

1

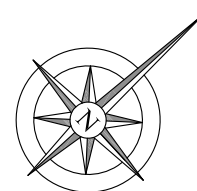


KEY NOTES

- 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.



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

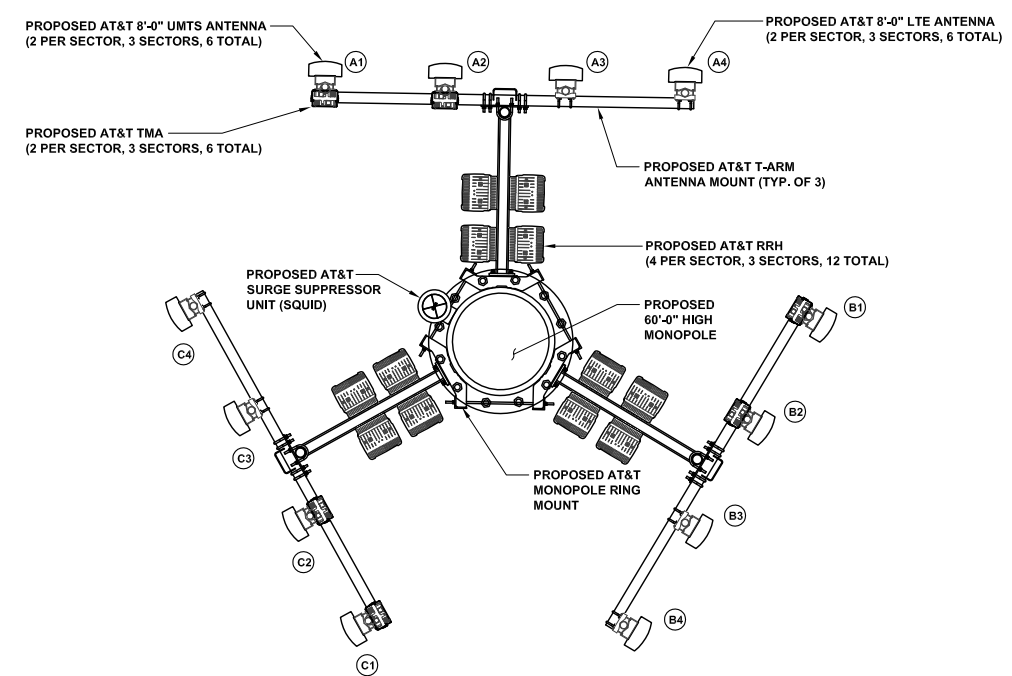
EQUIPMENT PLAN

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

1

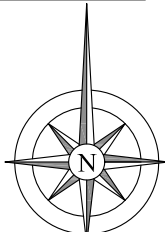
REV	DATE	DESCRIPTION	BY
C	05/10/2013	90% ZONING	J.R.
B	03/26/2013	90% ZONING	J.R.
A	03/06/2013	90% ZONING	J.R.

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

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
EQUIPMENT & ANTENNA PLANS

SHEET NUMBER
C-2

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



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
C	05/10/2013	90% ZONING	J.R.
B	03/26/2013	90% ZONING	J.R.
A	03/06/2013	90% ZONING	J.R.

NOT TO BE USED FOR CONSTRUCTION

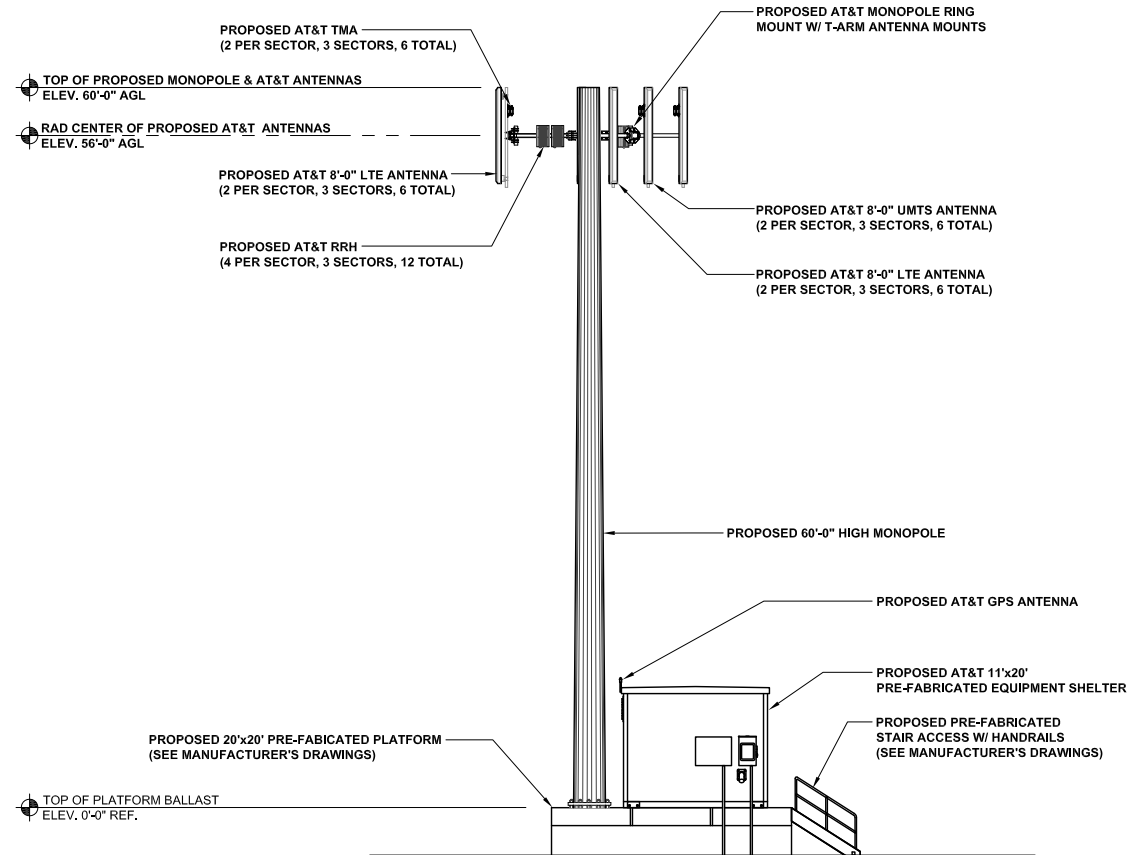
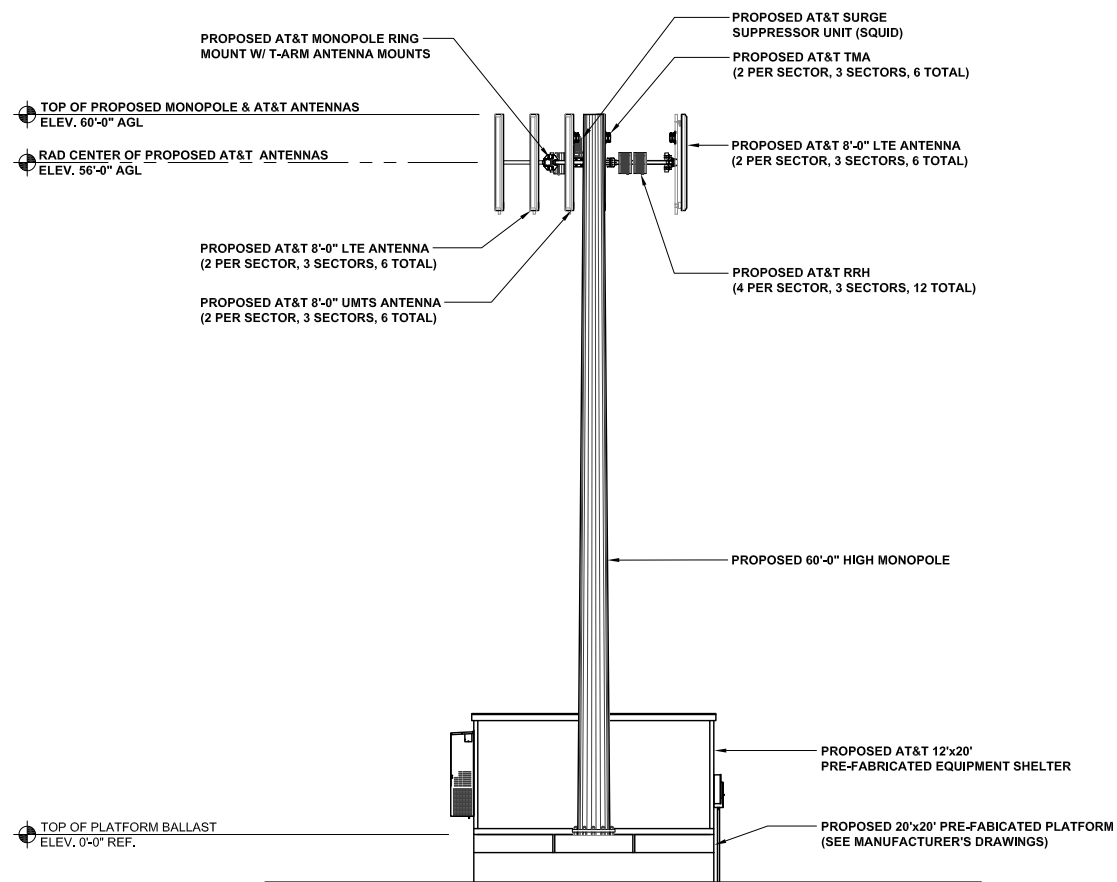
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

POWDER MOUNTAIN

POWDER MOUNTAIN
EDEN, UT 84310
NSB MONOPOLE

SHEET TITLE
**SOUTHWEST
& SOUTHEAST
ELEVATIONS**

SHEET NUMBER
C-3



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

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