

PROJECT INFORMATION

SCOPE OF WORK: AT&T PROPOSES TO UPDATE THEIR EXISTING TELECOM FACILITY WHICH CURRENTLY CONSIST OF GROUND MOUNTED EQUIPMENT CABINETS AND PANEL ANTENNAS ATTACHED TO EXISTING WATER TOWER. THE PROPOSED SCOPE OF WORK INCLUDES REPLACING (12) EXISTING 4' ANTENNAS WITH (12) 8' ANTENNAS AND ADDING (6) REMOTE RADIO HEADS (RRH) AND 1'Ø MICROWAVE DISH.

SITE ADDRESS: 7401 E. REDFIELD RD
SCOTTSDALE, AZ 85267

LATITUDE: 33° 36' 38" N
LONGITUDE: 111° 55' 06" W
JURISDICTION: CITY OF SCOTTSDALE
EXISTING USE: WIRELESS SITE
PROPOSED USE: UNMANNED TELECOMMUNICATIONS FACILITY
APN : 175-04-002-A
ZONING: I-1



at&t

SITE NUMBER: P019
CANDIDATE NAME: T-BIRD ACADEMY

APPROVALS

AT&T (RF): _____ DATE: _____
AT&T (CONST.): _____ DATE: _____
AT&T (S.A.): _____ DATE: _____
LANDLORD: _____ DATE: _____
LANDLORD: _____ DATE: _____

DRAWING INDEX

REV

PHNX-P019-T01	TITLE SHEET	2
PHNX-P019-Z01	OVERALL SITE PLAN	2
PHNX-P019-Z02	DETAILED SITE PLAN	2
PHNX-P019-Z03	TOWER ELEVATIONS, ANTENNA LAYOUT & DETAILS	2

VICINITY MAP

DIRECTIONS:

1. HEAD SOUTH ON N TATUM BLVD TOWARD E ROSE GARDEN LN
2. TURN LEFT
3. TURN RIGHT TO MERGE ONTO AZ-101 LOOP E
4. TAKE EXIT 34 FOR SCOTTSDALE RD
5. TURN RIGHT AT N SCOTTSDALE RD
6. TURN LEFT AT E THUNDERBIRD RD
7. CONTINUE ONTO E REDFIELD RD. DESTINATION WILL BE ON THE RIGHT

APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE:
INTERNATIONAL BUILDING CODE 2006

ELECTRICAL CODE:
[NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2005, NATIONAL ELECTRICAL CODE,
LIGHTNING PROTECTION CODE:
[NFPA 780 - 2000, LIGHTNING PROTECTION CODE]

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES:
TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM
IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS

TELCORDIA GR-1503, COAXIAL CABLE CONNECTIONS

ANSI T1.311, FOR TELECOM - DC POWER SYSTEMS - TELECOM, ENVIRONMENTAL PROTECTION

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

NOTES

1. THE FOLLOWING NOTES, SYMBOLS AND DETAILS FROM BECHTEL DOCUMENT NUMBER 24782-000-A3-EF-00001 APPLIES TO THE IMPLEMENTATION OF THIS SITE DESIGN PACKAGE. REFERENCE STANDARD NOTES SHEET.

GENERAL NOTES _____ DETAIL 623 - REV 1
CONSTRUCTION NOTES _____ DETAIL 101 - REV 2
GROUNDING NOTES _____ DETAIL 621 - REV 3
ELECTRICAL INSTALLATION NOTES _____ DETAIL 622 - REV 2
RF NOTES _____ DETAIL 116 - REV 6
CONCRETE AND REINFORCING STEEL NOTES: _____ DETAIL 102 - REV 4
SITE WORK GENERAL NOTES _____ DETAIL 619 - REV 2

A/E DOCUMENT REVIEW STATUS

1	ACCEPTED - WITH MINOR OR NO COMMENTS, CONSTRUCTION MAY PROCEED
2	NOT ACCEPTED - PLEASE RESOLVE COMMENTS AND RESUBMIT

ACCEPTANCE DOES NOT CONSTITUTE APPROVAL OF DESIGN DETAILS, CALCULATIONS, ANALYSIS, TEST METHODS OR MATERIALS DEVELOPED OR SELECTED BY SUBCONTRACTOR AND DOES NOT RELIEVE SUBCONTRACTOR FROM FULL COMPLIANCE WITH CONTRACTUAL OBLIGATION.

REVIEWED:	ENG.	CONST.		
BY:			DATE:	

REDLINE DRAWING REVIEW

NAME (PRINT) _____ SIGNATURE _____ DATE _____

GENERAL CONTRACTOR - CONFIRM ACCURACY OF THESE REDLINE DRAWINGS

NAME (PRINT) _____ SIGNATURE _____ DATE _____

FIELD COORDINATOR - VERIFY INSTALLATION PER REDLINE DRAWINGS

NAME (PRINT) _____ SIGNATURE _____ DATE _____

ENGINEERING - Market Engineer Shall Review Redline Drawings To Ensure Changes Do Not Alter The Original Design Intent And/Or Are Code Compliant



SITE QUALIFICATION PARTICIPANTS

	NAME	COMPANY	NUMBER
A/E	JERRY CASTILLO	PRIMUS DESIGN GROUP	323-541-6689
SAC	CHARLES WILLIAMS	at&t WIRELESS	480-515-7106
RF	STEVEN J ISBELL	at&t WIRELESS	480-515-7075
LANDLORD	TBD	ARIZONA CONFERENCE CORP. OF S.D.A.	TBD

DETAIL 103



primus design group
3200 N. HAYDEN RD STE 320
SCOTTSDALE, AZ 85252

PHONE: 602-453-0050

FAX: 602.453.0002

T-BIRD ACADEMY
P019

7401 E. REDFIELD RD
SCOTTSDALE, AZ 85267



at&t MOBILITY
20830 N. TATUM BLVD, SUITE 400
PHOENIX, AZ 85050
PHONE: 14801 414-1829

2	01/10/11	ADD MICROWAVE DISH	BR	JC	JS
1	09/28/10	ISSUED FOR PLANNING COMMENTS	JC	AM	JS
0	08/16/10	ISSUED FOR FINAL ZDS	JC	AM	JS
A	08/12/10	ISSUED FOR REVIEW	BR	JC	JC
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE	AS SHOWN	DESIGNED:	DRAWN:		

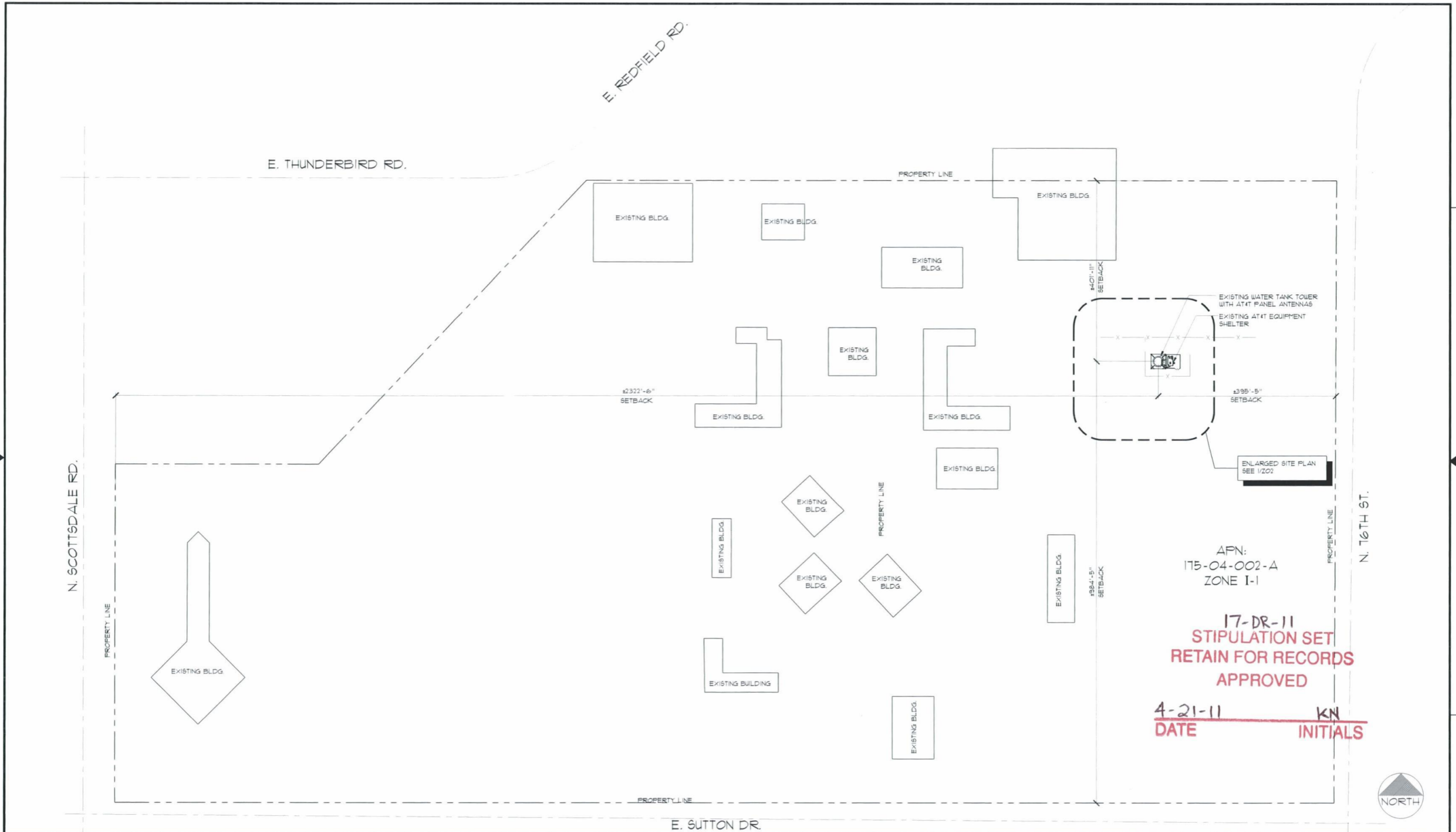
TITLE SHEET

PROJECT NUMBER	DRAWING NUMBER	REV
	P019 - T01	2

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17-DR-2011
1st: 3/21/11

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SITE PLAN

SCALE: 1" = 100'-0" **1**



T-BIRD ACADEMY
P019
7401 E. REDFIELD RD.
SCOTTSDALE, AZ 85267



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1	09/28/10	ISSUED FOR PLANNING COMMENTS	JC	AM	JS
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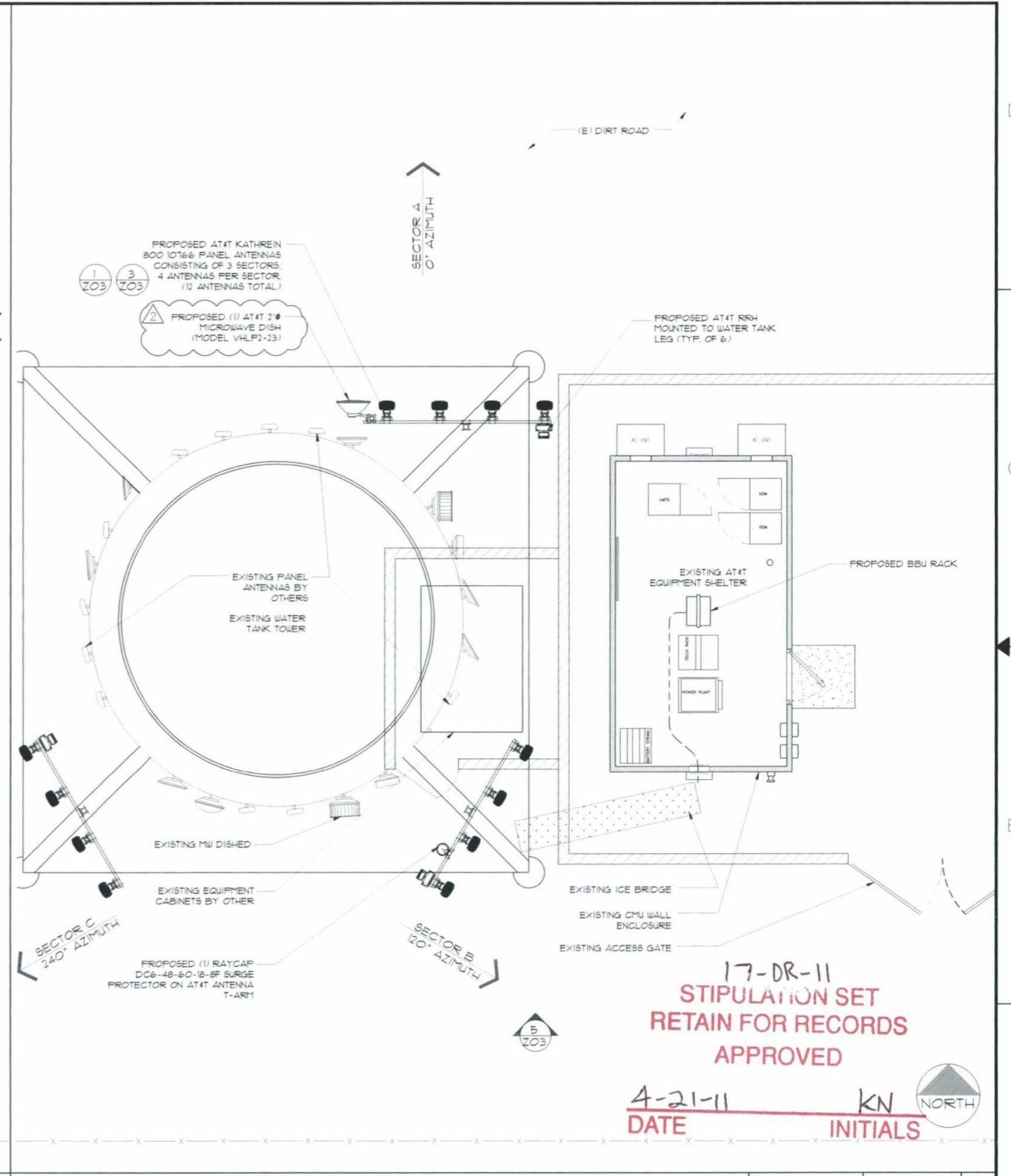
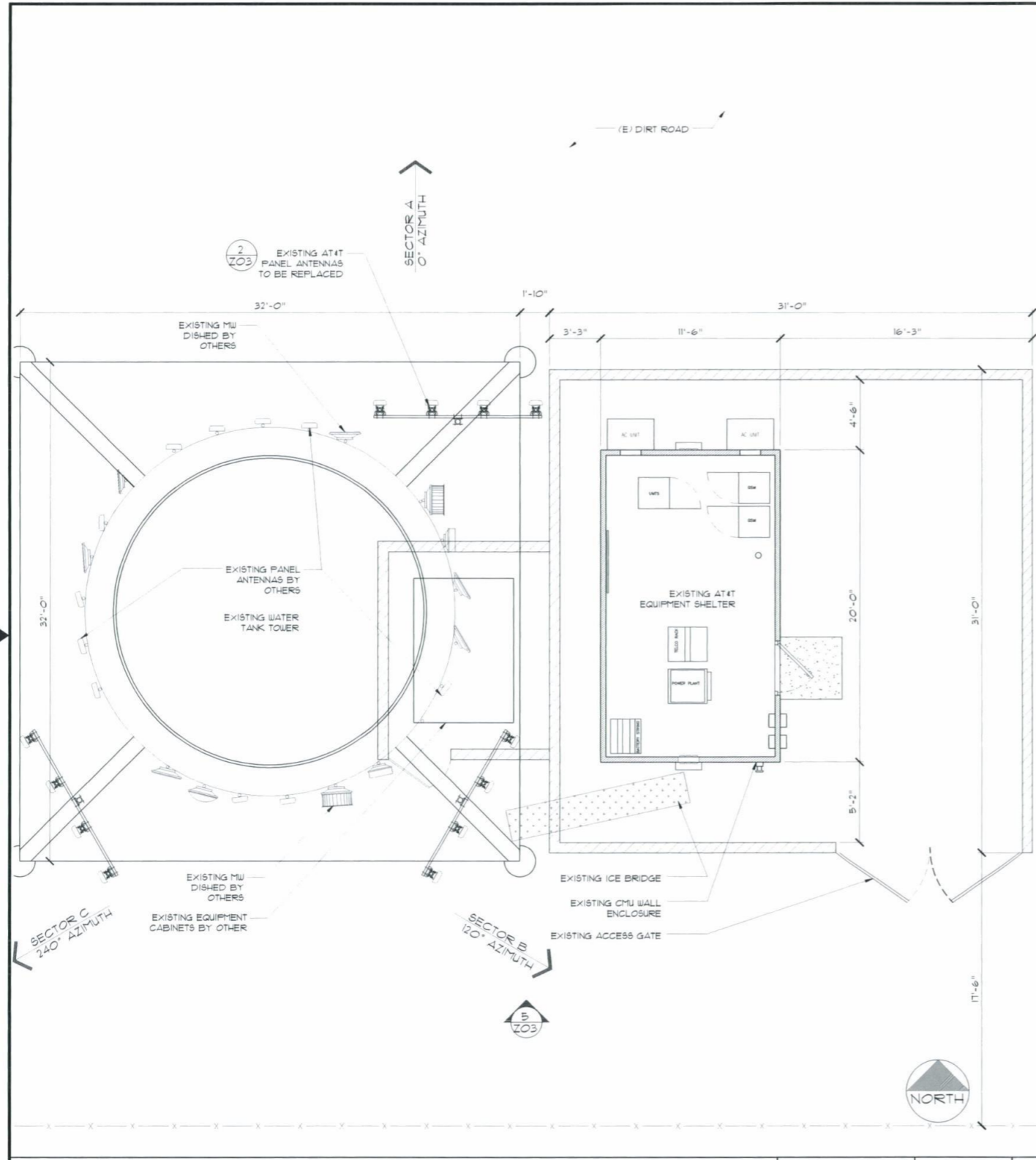
OVERALL SITE PLAN

PROJECT NUMBER	DRAWING NUMBER	REV
	P019 - Z01	2

6 5 4 3 2

D
C
B
A

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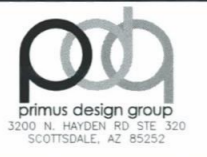


17-DR-11
**STIPULATION SET
 RETAIN FOR RECORDS
 APPROVED**

4-21-11 KN
 DATE INITIALS

EXISTING DETAIL SITE PLAN

PROPOSED DETAIL SITE PLAN



**T-BIRD ACADEMY
 P019**
 7401 E. REDFIELD RD
 SCOTTSDALE, AZ 85267



AT&T MOBILITY
 20830 N. TATUM BLVD, SUITE 400
 PHOENIX, AZ 85050
 PHONE (480) 414-1829

NO.	DATE	REVISIONS	BY	CHK	APP'D
2	01/10/11	ADD MICROWAVE DISH	BR	JC	JS
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**EXISTING & PROPOSED
 DETAILED SITE PLANS**

PROJECT NUMBER	DRAWING NUMBER	REV
P019 - Z02		2

PHONE: 602-453-0050 FAX: 602-453-0002

6

5

4

3

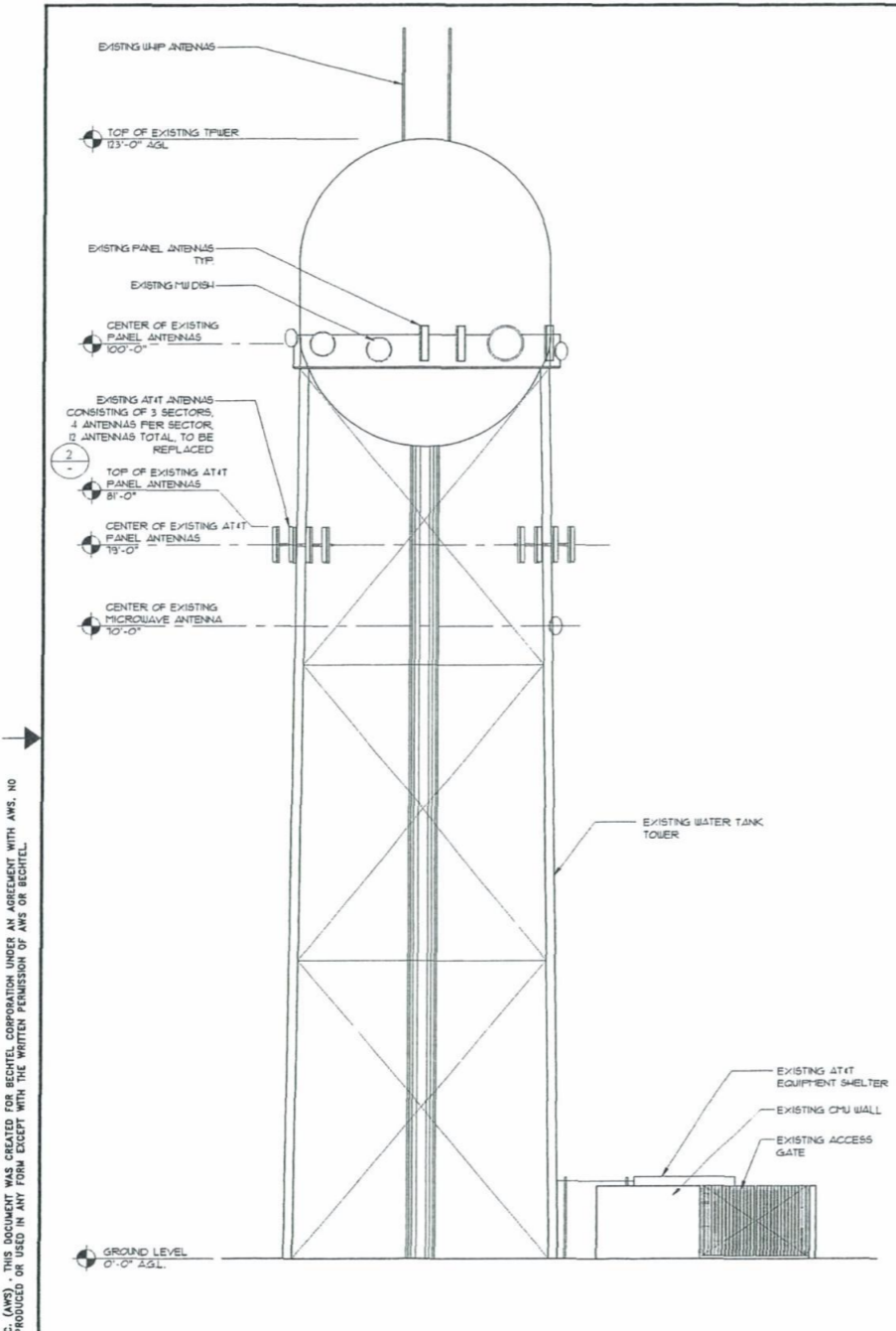
2

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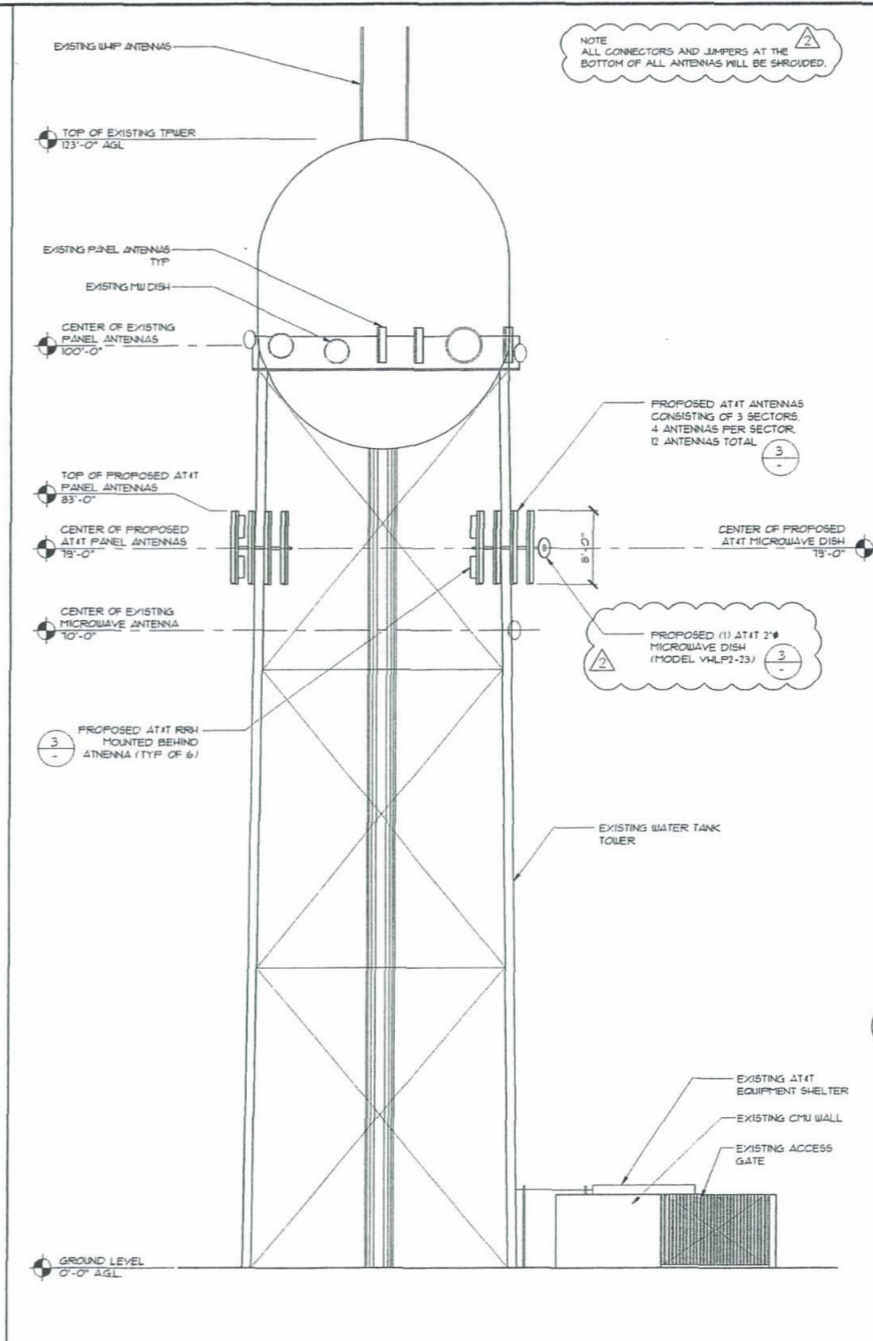


EXISTING ELEVATION

SCALE
1/8" = 1'-0"



T-BIRD ACADEMY
P019
7401 E REDFIELD RD
SCOTTSDALE, AZ 85267

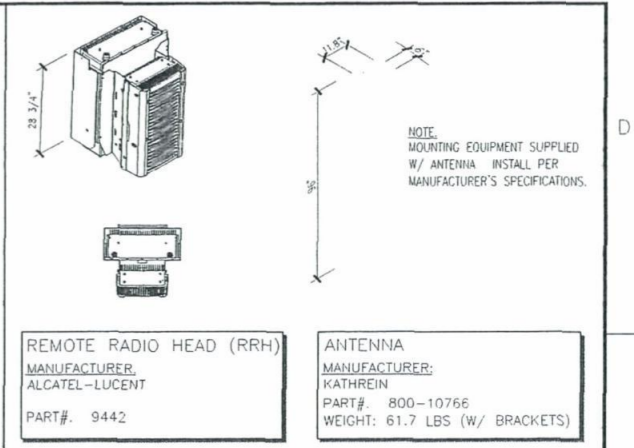


PROPOSED ELEVATION

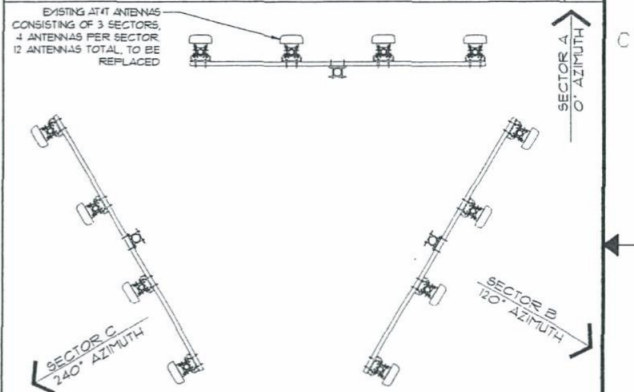
SCALE
1/8" = 1'-0"



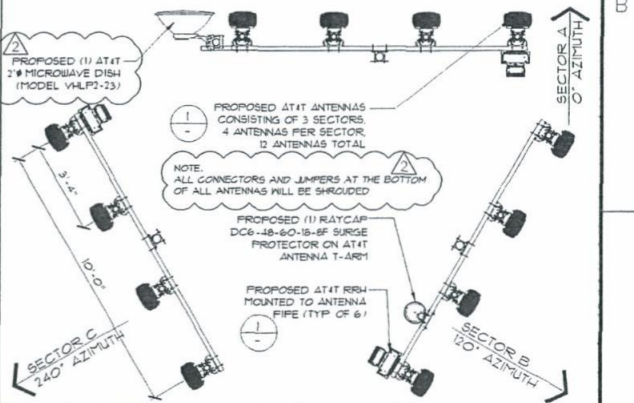
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PHOENIX, AZ 85050
PHONE: (480) 414-1829



ANTENNA DETAIL



EXISTING ANTENNA LAYOUT



PROPOSED ANTENNA LAYOUT

NO	DATE	REVISIONS	BY	CHK	APP'D
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PROPOSED / EXISTING ELEVATIONS & ANTENNA PLAN

PROJECT NUMBER	DRAWING NUMBER	REV
	P019 - Z03	2

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