

SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTRACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES, SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A.) FALL PROTECTION B.) CONFINED SPACE C.) ELECTRICAL SAFETY D.) TRENCHING AND EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED, OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER, AND/OR LOCAL UTILITIES.
6. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
7. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
8. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW, OR ICE SHALL BE PLACED IN ANY FILL OR EMBANKMENT.
9. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
10. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT, OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE PROJECT SPECIFICATIONS.
11. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
12. NOTICE TO PROCEED - NO WORK TO COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF A PURCHASE ORDER.
13. ALL CONSTRUCTION MEANS AND METHODS: INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL ADHERE TO ANSITIA-1019 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185, AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. SLAB FOUNDATION DESIGN ASSUMING ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD. UNO.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS.
 - 4.1. CONCRETE CAST AGAINST EARTH: 3" MIN.
 - 4.2. CONCRETE EXPOSED TO WEATHER:
 - 4.2.1. #6 AND LARGER - 2" MIN.
 - 4.2.2. #5 AND SMALLER & WWF. - 1 1/2" MIN.
 - 4.3. CONCRETE NOT EXPOSED TO WEATHER OR NOT CAST AGAINST THE GROUND:
 - 4.3.1. SLAB AND WALLS 3/4" MIN.
 - 4.3.2. BEAMS AND COLUMNS 1 1/2" MIN.
5. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR -	CENTERLINE COMMUNICATIONS
SUBCONTRACTOR -	GENERAL CONTRACTOR (CONSTRUCTION)
CARRIER -	AT&T
OEM -	ORIGINAL EQUIPMENT MANUFACTURER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE THEMSELVES, WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR AND AT&T
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. 'KITTING LIST' SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR AND AT&T PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWINGS.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT THE SUBCONTRACTOR'S EXPENSE; TO THE SATISFACTION OF THE OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION, TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

PREPARED FOR



NEW CINGULAR WIRELESS PCS, LLC ("AT&T")
19801 SW 72ND AVE., STE. 200
TUALATIN, OR 97062

Vendor:



P. MARSHALL & ASSOCIATES
A CENTERLINE COMMUNICATIONS COMPANY
1000 HOLCOMB WOODS PKWY, STE: 210
ROSWELL, GA 30076
OFFICE: (678) 280-2325

PM&A PROJECT ID: P-167931

Issued For:

PD33

BOONES AND IBACH

9000 SW NORWOOD RD
TUALATIN, OR 97062
PARCEL ID: R2154937

DRAWN BY: FG

CHECKED BY:

A	7/18/24	90% ZD
B	8/01/24	90% ZD
C	8/16/24	90% ZD
D	2/25/25	90% ZD
E	3/14/25	90% ZD

REV	DATE	DESCRIPTION
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Licenser:

Sheet Title:

GENERAL NOTES

Sheet Number:

GN-2



This Site Operated by:
AT&T MOBILITY
 AT&T MOBILITY 19801 SW 72ND AVE., TUALATIN, OR 97062
 IN CASE OF FIRE AND THE NEED FOR SHUTDOWN
 TO DEACTIVATE ANTENNAS CALL THE
 FOLLOWING NUMBER:
 For 24 Hour Emergency Contact and Access Please Call:
 (800) 638-2822

Reference Site#: PD33
 Site Address: 9000 SW NORWOOD RD TUALATIN, OR 97062

10 FENCED COMPOUND SIGNAGE
 N.T.S.



DANGER

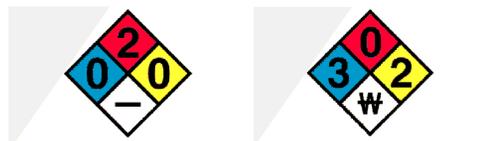
NO TRESPASSING

9 FENCED COMPOUND SIGNAGE
 N.T.S.

NOTICE

AUTHORIZED PERSONNEL ONLY

8 DOOR / EQUIPMENT SIGN
 N.T.S.



DANGER

DIESEL FUEL
NO SMOKING
NO OPEN FLAMES

DANGER

LEAD ACID BATTERIES
 CORROSIVE LIQUIDS (ELECTROLYTE)
 ENERGIZED ELECTRICAL CIRCUITS
NO SMOKING

7 NFPA HAZARD SIGN - TYPICAL
 N.T.S.

INFORMATION

Federal Communications Communication
 Tower Registration Number

1 2 3 4 5 6 7

Posted in accordance with federal Communications
 Commission rules and antenna tower registration
 47CFR 17.4(g).

6 FCC ASR SIGNAGE
 N.T.S.

Property of AT&T

Authorized Personnel Only

No Trespassing
 Violators will be Prosecuted

In case of emergency, or prior to performing
 maintenance on this site, call _____
 and reference cell site number _____

5 GATE SIGNAGE
 N.T.S.

Property of AT&T

Authorized Personnel Only

In case of emergency, or prior to performing
 maintenance on this site, call _____
 and reference cell site number _____

4 SHELTER / CABINET DOORS SIGNAGE
 N.T.S.

INFORMATION

AT&T MOBILITY OPERATES TELECOMMUNICATION ANTENNAS AT THIS
 LOCATION. REMAIN AT LEAST 3 FEET AWAY FROM ANY ANTENNA AND OBEY
 ALL POSTED SIGNS.

CONTACT THE OWNERS/RS OF THE ANTENNAS BEFORE WORKING CLOSER
 THAN 3 FEET FROM THE ANTENNAS.

CONTACT AT&T MOBILITY AT 800-638-2822 PRIOR TO PERFORMING ANY
 MAINTENANCE OR REPAIRS NEAR AT&T MOBILITY ANTENNAS.

THIS IS SITE # _____
 CONTACT THE MANAGEMENT OFFICE IF THIS DOOR/HATCH/GATE
 IS FOUND UNLOCKED.

A INFORMATION SIGN 1-1
 SCALE: 1/2" = 1'

INFORMATION

ACTIVE ANTENNAS ARE MOUNTED

ON THE OUTSIDE FACE OF THIS BUILDING

INFORMATION SIGN 1-2

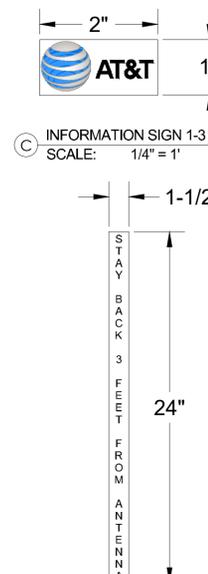
ON THIS STRUCTURE

STAY BACK A MINIMUM OF 3 FEET
 FROM THESE ANTENNAS

CONTACT AT&T MOBILITY AT 800-638-2822 &
 FOLLOW THEIR INSTRUCTIONS PRIOR TO
 PERFORMING ANY MAINTENANCE OR
 REPAIRS CLOSER THAN 3 FEET FROM THE
 ANTENNAS.

THIS IS AT&T MOBILITY SITE _____

B INFORMATION SIGN 1-2
 SCALE: 3/4" = 1'



INFORMATION SIGN 1-3
 SCALE: 1/4" = 1'

INFORMATION SIGN 1-4
 SCALE: 3/16" = 1'

D INFORMATION SIGN 1-4
 SCALE: 3/16" = 1'

1. CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN
 ACCORDANCE w/ AT&T WIRELESS DOCUMENT #03-0074, RF
 EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST
 EDITION.

2. FABRICATION:

*SIGN 1-1: ENTRANCE DOOR, SEE DETAIL 1A, THIS SHEET

SIGN 1 IS TO BE MADE ON THE 50 MIL ALUMINUM SHEETING (SIZE 8
 INCHES BY 12 INCHES) w/ FOUR (4) 1/4 INCH MOUNTING HOLES, ONE
 EACH CORNER OF THE SIGN FOR MOUNTING w/ HARDWARE w/ TIE
 WRAPS. THE MAIN BACKGROUND COLOR IS TO BE WHITE FRONT &
 BACK w/ BLACK LETTERING.

THE INFORMATION BAND SHALL BE 1.2 INCH SOLID GREEN BAND w/
 0.5 INCH HIGH BLACK LETTERING. THE BODY TEXT SHALL BE IN BLACK
 LETTERING w/0.2 INCH HIGH LETTERS. THE REF LINE SHALL BE IN 1/8 INCH
 LETTERS.

THE PLACEMENT OF TEXT SHALL BE DONE IN A MANNER THAT WILL
 PERMIT EASY READING FROM A DISTANCE OF APPROXIMATELY 6 FEET
 IN FRONT OF THE SIGN.

3 INFORMATION SIGNAGE
 N.T.S.

NOTE:

- CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN
 ACCORDANCE w/ AT&T WIRELESS DOCUMENT #03-0074, RF EXPOSURE
 POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.
- CONTRACTOR SHALL CONTACT AT&T R-RFSC FOR INFORMATION ON
 MPE LEVELS AND INSTRUCTIONS ON LEVEL AND LOCATION OF SIGNAGE

CAUTION



On this tower:
 Radio frequency (RF) fields near some
 antennas may exceed the FCC Occupational
 Exposure Limits.

Contact AT&T at 800-638-2822, option 9 and 3,
 and follow their instructions prior to performing
 maintenance or repairs beyond this point.

Personnel climbing this tower should be trained
 for working in RF environments and use a
 personal RF monitor if working near active
 antennas.

Caution Sign #CADIT-AL-05.7 This is AT&T site 332346

2 CAUTION SIGN
 N.T.S.

ALL PAINT WILL BE BAKED w/ ENAMEL w/ UV PROTECTIVE COATING
 OVER THE FACE OF THE SIGN.

*SIGN 1-2: POLE, SEE DETAIL 1B, THIS SHEET

SIGN 2 MUST BE A NON METALLIC LABEL w/ AN ADHESIVE BACKING.
 THE LABEL SHALL BE MADE USING VINYL OR SIMILAR WEATHERPROOF
 MATERIAL. THE LABEL SHALL BE APPROXIMATELY 5X7 INCHES w/ A
 WHITE BACKGROUND AND BLACK LETTERING. THE GREEN BAND
 SHALL BE 1.375 INCH IN HEIGHT & THE LETTERING SHALL BE BLACK w/
 0.75 INCH HIGH LETTERS. THE TEXT LETTERING SHALL BE BLACK w/ 1/8 INCH
 HIGH LETTERS. UV PROTECTION SHALL BE PLACED OVER THE FRONT OF
 THE LABEL.

*SIGN 1-3: BACK OF ANTENNAS, SEE DETAIL 1C & 3, THIS SHEET

*SIGN 3 IS A 1 INCH X 2 INCH PANEL THAT CAN BE APPLIED TO THE
 BACK OR SIDE OF AN ANTENNA TO IDENTIFY IT AS AN AT&T ANTENNA.

*SIGN 1-4: SIDE OF ANTENNAS, SEE DETAIL 1D & 3, THIS SHEET

SIGN 4 IS MADE FROM TRANSPARENT MATERIAL 1-1/2 INCHES WIDE &
 24 INCHES LONG. THE LETTERING IS TO BE BLACK w/ 1/2 INCH LETTERING IN
 A VERTICAL COLUMN. THE SPACING BETWEEN WORDS MUST BE SUCH
 THAT IT IS EASILY READ & FILLS THE LENGTH OF THE SIGN.

SIGNAGE AND STRIPING INFORMATION

- THE FOLLOWING INFORMATION IS A GUIDELINE w/ RESPECT
 TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO
 RADIO FREQUENCY ENERGY AND SHOULD BE USED AS
 SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR
 FEDERAL GUIDELINES OR REGULATIONS SHOULD BE IN
 CONFLICT w/ ANY PART OF THESE NOTES OR PLANS, THE
 MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE
 FOLLOWED AND OVERRIDE THE LESSER.
- THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS
 1mWcm*2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE
 ALLOWED BY AT&T IS 5mWcm*2
- IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET
 ABOVE THE GROUND OR WORKING PLATFORM LINE OF THE
 PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT
 EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO
 STRIPING OR BARRICADES SHOULD BE NEEDED.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS
 EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g.
 ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE
 EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE
 PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE
 BARRICADES AND STRIPING SHALL BE DETERMINED BY THE
 EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER
 COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A
 GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND
 STRIPING.
- IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS
 EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (e.g.
 ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE
 EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE
 PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE
 BARRICADES AND STRIPING SHALL BE DETERMINED BY THE
 EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER
 COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A
 GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND
 STRIPING.
- ALL TRANSMIT ANTENNAS REQUIRE A THREE LANGUAGE
 WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND
 CHINESE. THIS SIGN SHALL BE PROVIDED TO THE
 CONTRACTOR Y THE AT&T CONSTRUCTION PROJECT
 MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER
 SIGN SHALL BE PLACED IN PLAIN SIGHT AT ALL ROOF
 ACCESS LOCATIONS AND ON ALL BARRICADES. THE
 SMALLER SIGN SHALL BE PLACED ON THE ANTENNA
 ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY
 PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY w/
 ANSI C95.2 COLOR, SYMBOL, AND CONTENT
 CONVENTIONS. ALL SIGNS SHALL HAVE AT&T'S NAME AND
 THE COMPANY CONTACT INFORMATION (e.g. TELEPHONE
 NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED
 AREAS. THIS TELEPHONE NUMBER SHALL BE PROVIDED TO THE
 CONTRACTOR BY THE AT&T CONSTRUCTION PROJECT
 MANAGER AT THE TIME OF CONSTRUCTION.
- PHOTOS OF ALL STRIPING, BARRICADES & SIGNAGE SHALL
 BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE &
 SHALL BE TURNED INTO THE AT&T CONSTRUCTION PACKAGE
 & SHALL BE TURNED INTO THE AT&T CONSTRUCTION
 PROJECT MANAGER AT THE END OF CONSTRUCTION.
 STRIPING SHALL BE DONE w/ FADE RESISTANT YELLOW
 SAFETY PAINT IN A CROSS-HATCH PATTERN AS DETAILED BY
 THE CONSTRUCTION DRAWINGS. ALL BARRICADES SHALL BE
 MADE OF AN RF FRIENDLY MATERIAL SO AS NOT TO BLOCK
 OR INTERFERE w/ THE OPERATION OF THE ANTENNAS.
 BARRICADES SHALL BE PAINTED w/ FADE RESTRAINT YELLOW
 SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF
 FRIENDLY BARRICADES NEEDED, & SHALL PROVIDE THE AT&T
 CONSTRUCTION PROJECT MANAGER w/ A DETAILED SHOP
 DRAWING OF EACH BARRICADE. UPON CONSTRUCTION
 COMPLETION.

1 GENERAL NOTES
 N.T.S.

PREPARED FOR



NEW CINGULAR WIRELESS PCS,
 LLC ("AT&T")
 19801 SW 72ND AVE., STE. 200
 TUALATIN, OR 97062

Vendor:



P. MARSHALL & ASSOCIATES
 A CENTERLINE COMMUNICATIONS COMPANY
 1000 HOLCOMB WOODS PKWY, STE. 210
 ROSWELL, GA 30076
 OFFICE: (678) 280-2325

PM&A PROJECT ID: P-167931

Issued For:

PD33
BOONES AND IBACH

9000 SW NORWOOD RD
 TUALATIN, OR 97062
 PARCEL ID: R2154937

DRAWN BY: FG

CHECKED BY:

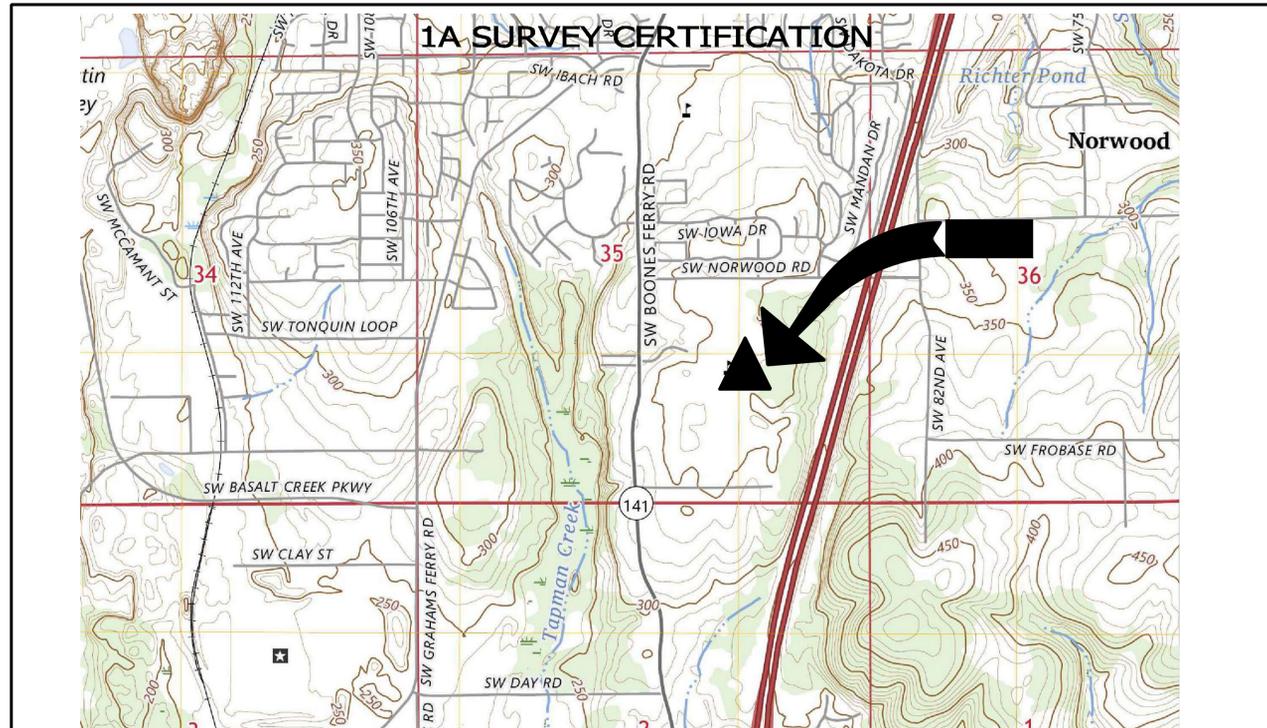
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REV DATE DESCRIPTION

Licenser:

Sheet Title:
SITE SIGNAGE

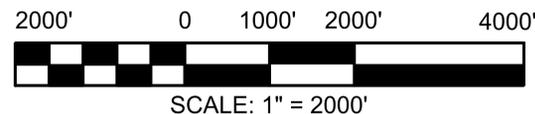
Sheet Number:
GN-3



1A SURVEY CERTIFICATION

GEOGRAPHIC COORDINATES

LATITUDE: 45°21'05.51"N (45.35153) (NAD 83)
LONGITUDE: 122°46'08.70"W (-122.76908) (NAD 83)
GROUND ELEVATION: 356.73 FEET (NAVD 88)
TOP OF TOWER ELEVATION: 467.40 FEET (NAVD 88)
HIGHEST POINT ELEVATION: 467.51 FEET (NAVD 88)
TOWER HEIGHT: 110.67 FEET (AGL)



DATE OF SURVEY: JULY 2, 2024

RE: SITE NAME: PD33 BOONES & IBACH
 8930 SW NORWOOD ROAD
 TUALATIN, OR 97062

I CERTIFY THAT THE LATITUDE AND THE LONGITUDE SHOWN ABOVE ARE ACCURATE TO WITHIN ±15 FEET HORIZONTALLY AND THAT THE SITE ELEVATION IS ACCURATE TO WITHIN ±3 FEET VERTICALLY, WHICH MEETS 1A STANDARDS AS DEFINED ON THE FAA ASAC INFORMATION SHEET 91:003. THE HORIZONTAL DATUM (GEOGRAPHIC COORDINATES) ARE IN TERMS OF THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND ARE EXPRESSED AS DEGREES (°), MINUTES ('), AND SECONDS ("). TO THE NEAREST HUNDREDTH OF A SECOND. THE VERTICAL DATUM (ELEVATION AMSL) IS IN TERMS OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Matthew J. Faulkner

OREGON
 JUNE 08, 2009
 MATTHEW J. FAULKNER
 75618LS

RENEWS: 12/31/25

S&F Land Services
 Land Surveying & Remote Sensing
 4005 SW SCHOLLS FERRY RD.
 PORTLAND, OR 97225
 (503) 345-0338
 WWW.SFLANDS.COM EMAIL: INFO@SFLANDS.COM

Date: 07/08/2024
 Proj No: 2023-177-195
 Prepared: HTF
 Checked: MJF

SHEET
 1 OF 1

PREPARED FOR

AT&T
 NEW CINGULAR WIRELESS PCS,
 LLC ("AT&T")
 19801 SW 72ND AVE., STE. 200
 TUALATIN, OR 97062

Vendor:

PM&A
 P. MARSHALL & ASSOCIATES
 A CENTERLINE COMMUNICATIONS COMPANY
 1000 HOLCOMB WOODS PKWY, STE. 210
 ROSWELL, GA 30076
 OFFICE: (678) 280-2325
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Licensors:

Sheet Title:
**1A
 CERTIFICATION**

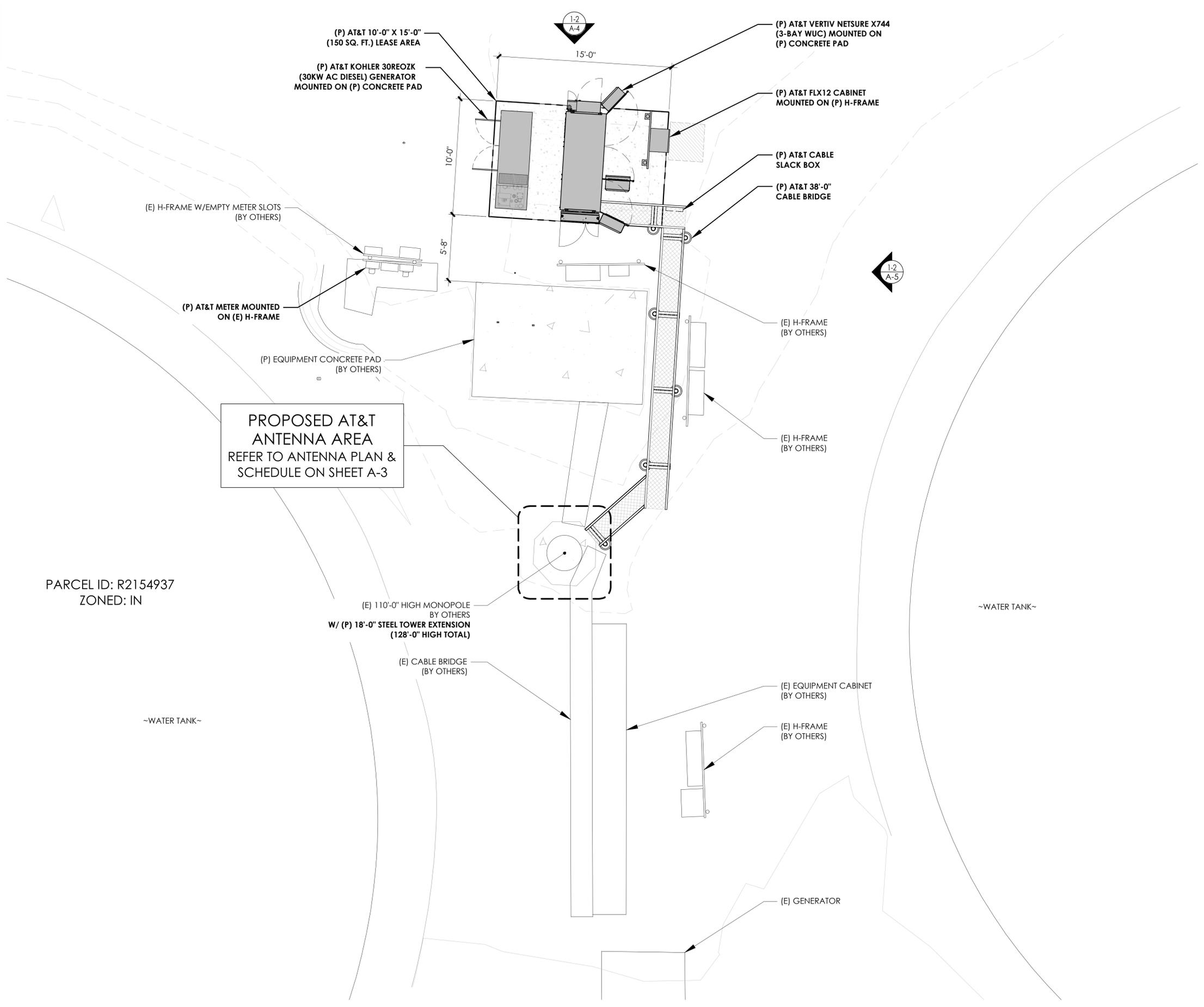
Sheet Number:

1A

NOTE:
 1. (P) AT&T ANTENNA MOUNT NOT DEPICTED IN THIS VIEW FOR CLARITY. FOR LOCATIONS OF THESE ITEMS, PLEASE REFER TO ANTENNA PLAN VIEW WITHIN THE DRAWING SET.

GENERATOR SPECIFICATIONS

MFG:	KOHLER
MODEL:	30REOZK
HEIGHT:	65.0"
WIDTH:	32.53"
LENGTH:	101.38"
TOTAL WEIGHT:	4280 LBS
STORAGE:	148 GALLONS
LEAK PREVENTION:	UL-142 (DOUBLE WALL)
OUTPUT:	30KW



PROPOSED AT&T ANTENNA AREA
 REFER TO ANTENNA PLAN & SCHEDULE ON SHEET A-3

PREPARED FOR

NEW CINGULAR WIRELESS PCS, LLC ("AT&T")
 19801 SW 72ND AVE., STE. 200
 TUALATIN, OR 97062

Vendor:

P. MARSHALL & ASSOCIATES
 A CENTERLINE COMMUNICATIONS COMPANY
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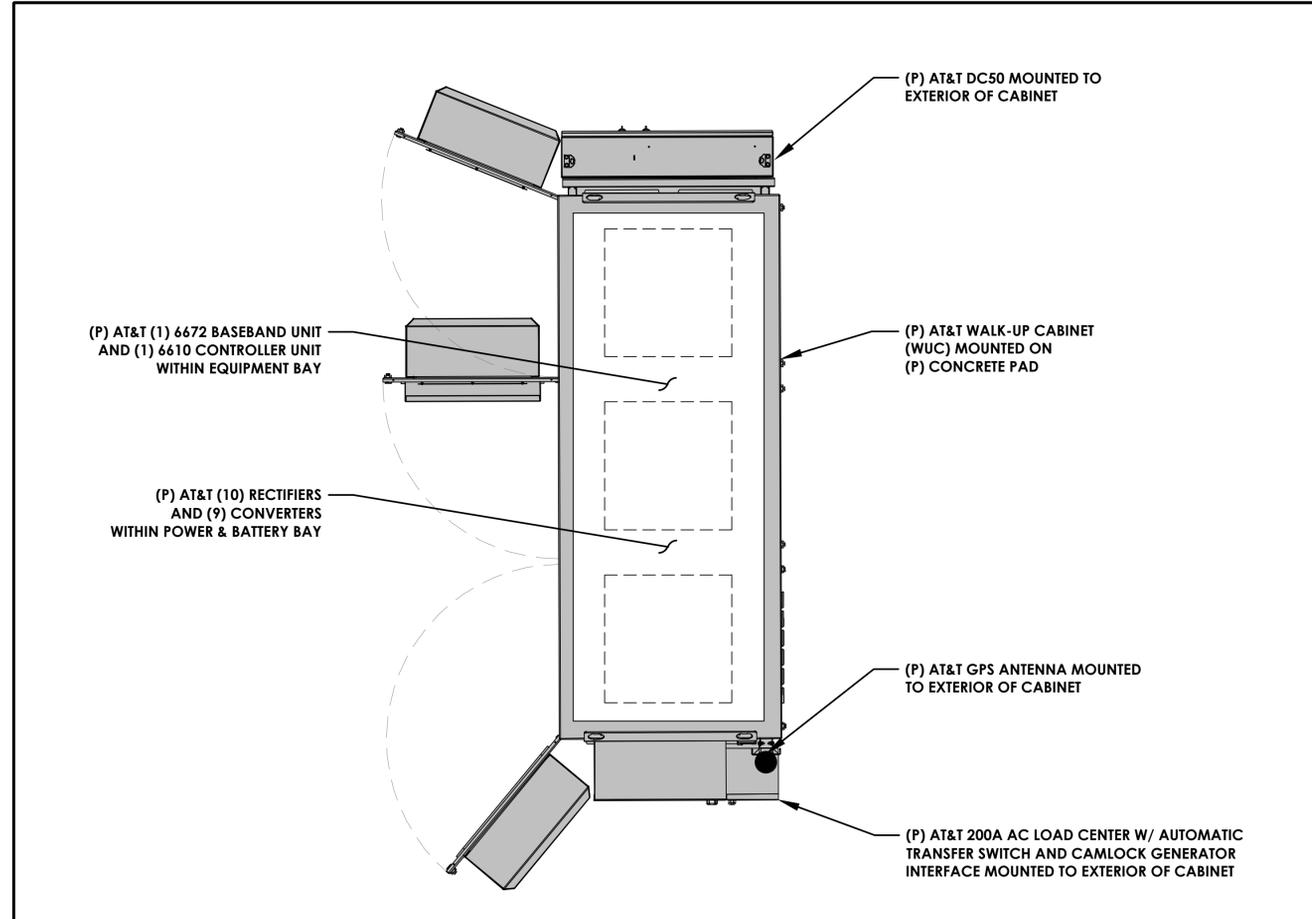
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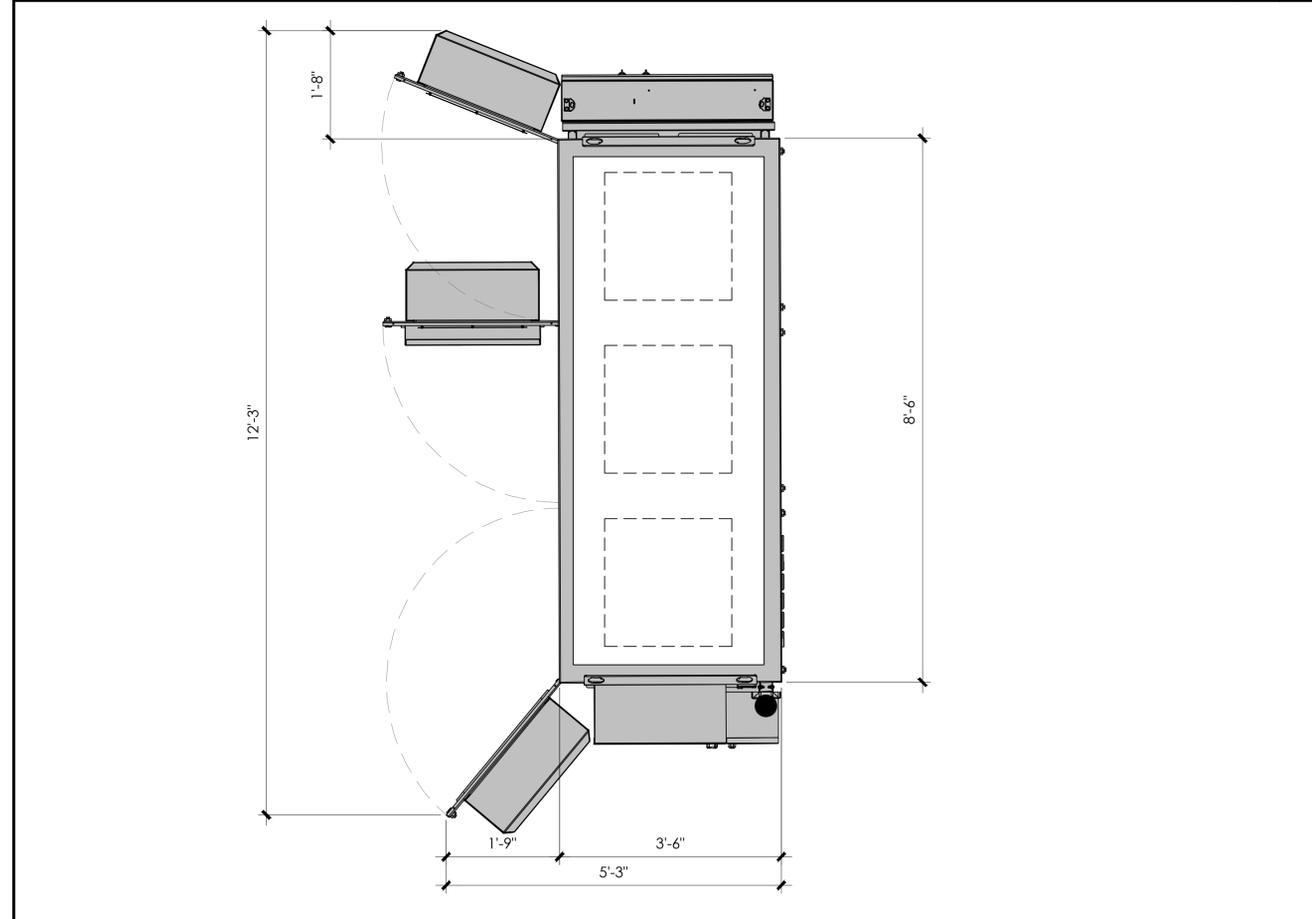
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Sheet Title:
COMPOUND PLAN

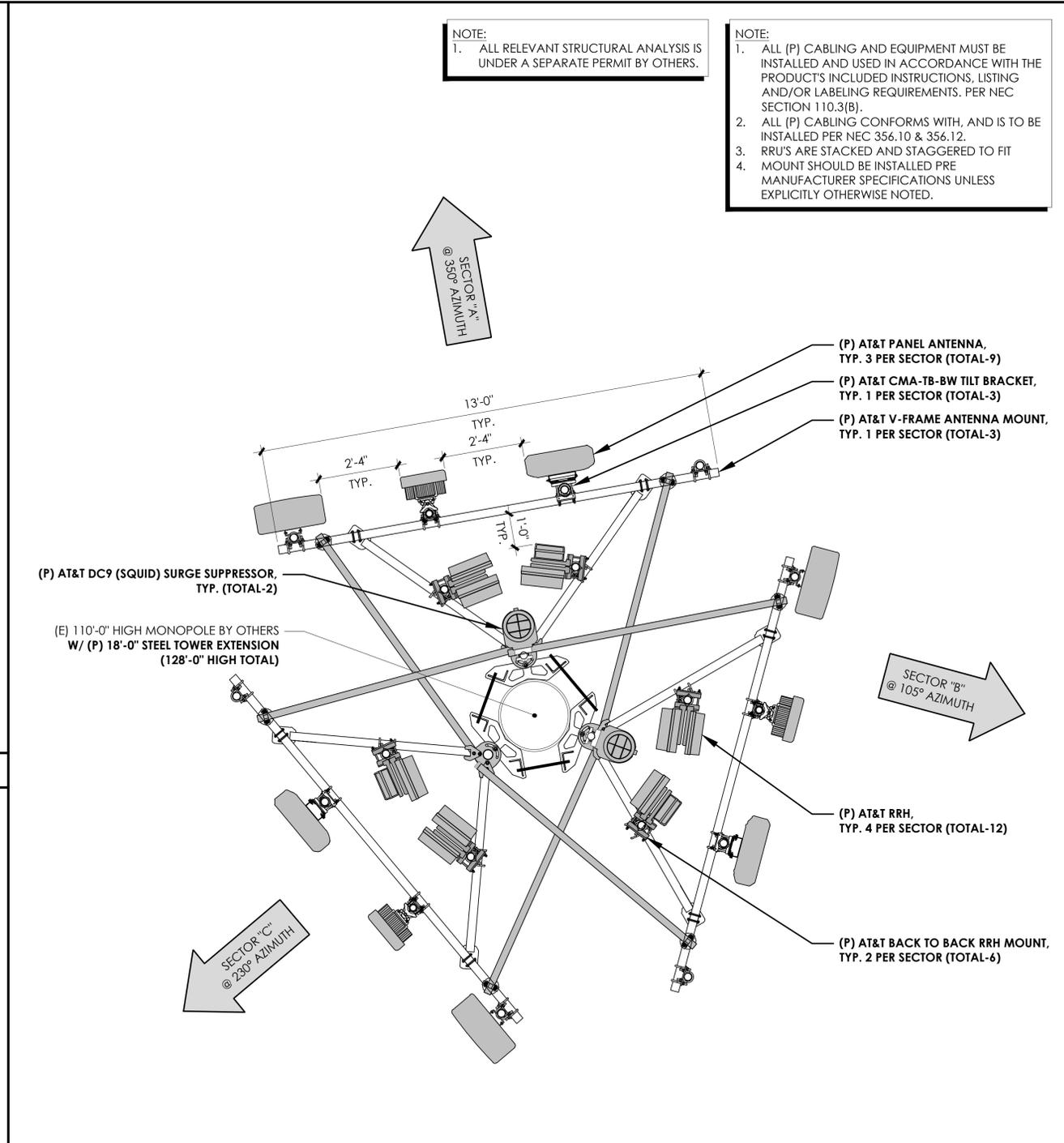
Sheet Number:
A-2



EQUIPMENT PLAN (WALK-UP CABINET - WUC) 24"x36" SCALE: 3/4" = 1'-0" 1" 6" 0" NORTH 2



DIMENSION PLAN (WALK-UP CABINET - WUC) 24"x36" SCALE: 3/4" = 1'-0" 1" 6" 0" NORTH 3



(P) ANTENNA SCHEDULE

	RFDS VERSION:	FINAL								
	DATE UPDATED:	06/28/2024								
	POS	AZIMUTH	RAD CENTER	MECHANICAL DOWNTILT	ANTENNA MAKE	ANTENNA MODEL	RRH MODEL	SURGE SUPPRESSOR	FEEDER TYPE	FEEDER LENGTH
SECTOR "A"	A1	350°	124'-0"	0	CELLMAX	CMA - UBTLBULBHHP-6517-17-21-21	(1) 4471 B30 (1) 4490 B5/B12A	DC9-48-60-24-8C-EV (2)	(6) DC POWER & (2) 24 PAIR FIBER TRUNK CABLES	±190'
	A2	350°	126'-6"	0	ERICSSON	AIR6472 B77G B77M	(1) AIR6472 B77G B77M (INTEGRATED)			
	A3	350°	124'-0"	0	CELLMAX	120726	(1) 4494 B14/B29 (1) 4890 B25/B66			
	A4									
SECTOR "B"	B1	105°	124'-0"	0	CELLMAX	CMA - UBTLBULBHHP-6517-17-21-21	(1) 4471 B30 (1) 4490 B5/B12A			
	B2	105°	126'-6"	0	ERICSSON	AIR6472 B77G B77M	(1) AIR6472 B77G B77M (INTEGRATED)			
	B3	105°	124'-0"	0	CELLMAX	120726	(1) 4494 B14/B29 (1) 4890 B25/B66			
	B4									
SECTOR "C"	C1	230°	124'-0"	0	CELLMAX	CMA - UBTLBULBHHP-6517-17-21-21	(1) 4471 B30 (1) 4490 B5/B12A			
	C2	230°	126'-6"	0	ERICSSON	AIR6472 B77G B77M	(1) AIR6472 B77G B77M (INTEGRATED)			
	C3	230°	124'-0"	0	CELLMAX	120726	(1) 4494 B14/B29 (1) 4890 B25/B66			
	C4									

ANTENNA PLAN & SCHEDULE 24"x36" SCALE: 1/2" = 1'-0" 2" 1" 0" NORTH 1

PREPARED FOR

NEW CINGULAR WIRELESS PCS, LLC ("AT&T")
19801 SW 72ND AVE., STE. 200
TUALATIN, OR 97062

Vendor:

P. MARSHALL & ASSOCIATES
A CENTERLINE COMMUNICATIONS COMPANY
1000 HOLCOMB WOODS PKWY, STE. 210
ROSWELL, GA 30076
OFFICE: (678) 280-2325
PM&A PROJECT ID: P-167931

Issued For:

PD33
BOONES AND IBACH
9000 SW NORWOOD RD
TUALATIN, OR 97062
PARCEL ID: R2154937

DRAWN BY: FG
CHECKED BY:

REV	DATE	DESCRIPTION
A	7/18/24	90% ZD
B	8/01/24	90% ZD
C	8/16/24	90% ZD
D	2/25/25	90% ZD
E	3/14/25	90% ZD

Licensor:

Sheet Title:
ANTENNA PLAN & SCHEDULE & EQUIPMENT PLAN

Sheet Number:
A-3

- T.O. (E) PANEL ANTENNAS
ELEV. 110'-9" (A.G.L.)
- T.O. (E) MONOPOLE
ELEV. 110'-0" (A.G.L.)
- B.O. (E) PANEL ANTENNAS
ELEV. 94'-6" (A.G.L.)

(E) 110'-0" HIGH MONOPOLE
(BY OTHERS)
TO BE EXTENDED

(E) WATER TANK

(E) CABLE BRIDGE
(BY OTHERS)

(E) CONCRETE PAD WITH
EQUIPMENT CABINETS
(BY OTHERS)

(E) H-FRAME
(BY OTHERS)

FINISHED GRADE
ELEV. 0'-0" (A.G.L.)

24"x36" SCALE: 1/8" = 1'-0"
8' 6' 4' 2' 0' 8'

2

- T.O. (E) MONOPOLE + (P) STEEL EXTENSION
ELEV. 128'-0" (A.G.L.)
- T.O. (P) AT&T PANEL ANTENNAS
ELEV. 128'-0" (A.G.L.)
- (P) AT&T PANEL ANTENNAS RAD CENTER
ELEV. 126'-6" (A.G.L.)
- (P) AT&T PANEL ANTENNAS RAD CENTER
ELEV. 124'-0" (A.G.L.)
- B.O. (P) AT&T PANEL ANTENNAS
ELEV. 120'-0" (A.G.L.)
- T.O. (E) PANEL ANTENNAS
ELEV. 110'-9" (A.G.L.)
- T.O. (E) MONOPOLE
ELEV. 110'-0" (A.G.L.)
- B.O. (E) PANEL ANTENNAS
ELEV. 94'-6" (A.G.L.)

(P) AT&T V-FRAME ANTENNA
MOUNT, TYP. 1 PER SECTOR
(TOTAL-3)

(E) WATER TANK

(P) AT&T 38'-0" CABLE BRIDGE

(P) AT&T CABLE SLACK BOX

(E) CONCRETE PAD WITH EQUIPMENT CABINETS (BY OTHERS)

(P) AT&T METER MOUNTED ON (P) H-FRAME

(P) AT&T FLX12 CABINET MOUNTED ON (P) H-FRAME

(E) H-FRAME (BY OTHERS)

FINISHED GRADE
ELEV. 0'-0" (A.G.L.)

24"x36" SCALE: 1/8" = 1'-0"
8' 6' 4' 2' 0' 8'

1

NOTE:
1. ALL RELEVANT STRUCTURAL ANALYSIS IS UNDER A SEPARATE PERMIT BY OTHERS.

NOTE:
1. AT&T RRU'S, TMA'S, AND SURGE ARRESTORS NOT DEPICTED IN THIS VIEW FOR CLARITY. FOR LOCATIONS OF THESE ITEMS, PLEASE REFER TO PREVIOUS PLANS VIEWS WITHIN THE DRAWING SET

- (P) 18'-0" STEEL TOWER EXTENSION
- (P) AT&T PANEL ANTENNA, TYP. 3 PER SECTOR (TOTAL-9)
- (P) AT&T RRH, TYP. 4 PER SECTOR (TOTAL-12)
- (P) AT&T DC9 (SQUID) SURGE SUPPRESSOR, TYP. (TOTAL-2)
- (P) AT&T BACK TO BACK RRH MOUNT, TYP. 2 PER SECTOR (TOTAL-6)
- (P) AT&T PIPE TO PIPE MOUNT, TYP. 3 PER SECTOR (TOTAL-9)
- (E) PANEL ANTENNAS BY OTHERS
- (P) AT&T (6) DC POWER & (2) 24 PAIR FIBER TRUNK CABLES WITHIN (3) 2" INNERDUCT ROUTED WITHIN (E) MONOPOLE
- (E) 110'-0" HIGH MONOPOLE BY OTHERS W/ (P) 18'-0" STEEL TOWER EXTENSION (128'-0" HIGH TOTAL)

PREPARED FOR



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REV DATE DESCRIPTION

Licensors:

Sheet Title:
ELEVATIONS

Sheet Number:
A-4

(E) NORTH ELEVATION

(P) NORTH ELEVATION

