

1. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE IBC / UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT / ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT / ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE.
11. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON "AS-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS
15. IT IS A VIOLATION OF LAW FOR ANY PERSONS, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT
16. ALL (N) CABLING AND EQUIPMENT MUST BE INSTALLED AND USED IN ACCORDANCE WITH THE PRODUCT'S INCLUDED INSTRUCTIONS, LISTING AND/OR LABELING REQUIREMENTS. PER NEC SECTION 110.3(B)
17. 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.
18. PENETRATIONS SHALL BE FIRE-STOPPED AND OPENINGS SHALL BE PROTECTED THROUGH FIRE-RATED WALLS, FLOOR, ROOF AND CEILING ASSEMBLIES AS REQUIRED BY THE 2018 IBC CHAPTER 7.
19. STRUCTURAL ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWINGS SET. FOR ANALYSIS OF EXISTING AND/OR PROPOSED COMPONENTS, REFER TO STRUCTURAL ANALYSIS PROVIDED BY PM&A UNDER SEPARATE COVER.
20. ANTENNA MOUNT ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWING SET. FOR ANALYSIS OF MOUNT TO SUPPORT PROPOSED COMPONENTS, REFER TO ANTENNA MOUNT STRUCTURAL ANALYSIS PROVIDED BY PM&A UNDER SEPARATE COVER.
21. TOWER ANALYSIS TO BE CONDUCTED AND PROVIDED BY TOWER OWNER. FOR ANALYSIS OF EXISTING AND/OR PROPOSED COMPONENTS, REFER TO TOWER

1. 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.
2. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
3. SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
 - 3.1. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - 3.2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, LRFD, FOURTEENTH EDITION
 - 3.3. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA/EIA) 222-H, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS
 - 3.4. 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 ELECTRICAL EQUIPMENT.
 - 3.5. IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")
 - 3.6. TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK
 - 3.7. EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION
 - 3.8. TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING
 - 3.9. TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS
 - 3.10. TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS
 - 3.11. ANY AND ALL OTHER LOCAL & STATE LAWS AND REGULATIONS
- 3.12. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

DN.	FOUNDATION	SCH.	SCHEDULE
F.O.C.	FACE OF CONCRETE	SHT.	SHEET
F.O.M.	FACE OF MASONRY	SIM.	SIMILAR
F.O.S.	FACE OF STUD	SPEC.	SPECIFICATIONS
F.O.W.	FACE OF WALL	SQ.	SQUARE
F.S.	FINISH SURFACE	S.S.	STAINLESS STEEL
FT.(')	FOOT (FEET)	STD.	STANDARD
FTG.	FOOTING	STL.	STEEL
G.	GROWTH (CABINET)	STRUC.	STRUCTURAL
GA.	GAUGE	TEMP.	TEMPORARY
GI.	GALVANIZE(D)	THK.	THICK(NESS)
G.F.I.	GROUND FAULT CIRCUIT	T.N.	TOE NAIL
INTERRUPTER		T.O.A.	TOP OF ANTENNA
GLB. (GLU-LAM)	GLUE LAMINATED BEAM	T.O.C.	TOP OF CURB
GPS	GLOBAL POSITIONING SYSTEM	T.O.F.	TOP OF FOUNDATION
GRND.	GROUND	T.O.P.	TOP OF PLATE (PARAPET)
HDR.	HEADER	T.O.S.	TOP OF STEEL
HGR.	HANGER	T.O.W.	TOP OF WALL
HT.	HEIGHT	TYP.	TYPICAL
ICGB.	ISOLATED COPPER GROUND BUS	U.G.	UNDER GROUND
IN. (")	INCH(ES)	U.L.	UNDERWRITERS LABORATORY
INT.	INTERIOR	U.N.O.	UNLESS NOTED OTHERWISE
LB.(#)	POUND(S)	V.I.F.	VERIFY IN FIELD
L.B.	LAG BOLTS	W	WIDE (WIDTH)
L.F.	LINEAR FEET (FOOT)	w/	WITH
L.	LONG(ITUDINAL)	WD.	WOOD
MAS.	MASONRY	W.P.	WEATHERPROOF
MAX.	MAXIMUM	WT.	WEIGHT
M.B.	MACHINE BOLT	℄	CENTERLINE
MECH.	MECHANICAL	℄	PLATE, PROPERTY LINE
MFR.	MANUFACTURER	(P)	PROPOSED
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
MTL.	METAL		
(N)	NEW		
NO.(#)	NUMBER		
N.T.S.	NOT TO SCALE		
O.C.	ON CENTER		
OPNG.	OPENING		
P/C	PRECAST CONCRETE		
PCS	PERSONAL COMMUNICATION		
SERVICES			
PLY.	PLYWOOD		
PPC	POWER PROTECTION CABINET		
PRC	PRIMARY RADIO CABINET		
P.S.F.	POUNDS PER SQUARE FOOT		
P.S.I.	POUNDS PER SQUARE INCH		
P.T.	PRESSURE TREATED		
PWR.	POWER (CABINET)		
QTY.	QUANTITY		
RAD.(R)	RADIUS		
REF.	REFERENCE		
REINF.	REINFORCEMENT(ING)		
REQ'D/	REQUIRED		
RGS.	RIGID GALVANIZED STEEL		

	BLDG. SECTION		GROUT OR PLASTER
	WALL SECTION		(E) BRICK
	DETAIL		(E) MASONRY
	ELEVATION		CONCRETE
	DOOR SYMBOL		EARTH
	WINDOW SYMBOL		GRAVEL
	TILT-UP PANEL MARK		PLYWOOD
	PROPERTY LINE		SAND
	CENTERLINE		PLYWOOD
	SETBACK		(E) STEEL
	ELEVATION DATUM		MATCH LINE
	GRID/COLUMN LINE		GROUND CONDUCTOR
	KEYNOTE, DIMENSION ITEM		OVERHEAD SERVICE CONDUCTORS
	KEYNOTE, CONSTRUCTION ITEM		TELEPHONE CONDUIT
	WALL TYPE MARK		POWER CONDUIT
	OFFICE		COAXIAL CABLE
	ROOM NUMBER		CHAIN LINK FENCE
			CHAIN LINK FENCE
			WOOD FENCE
			(P) ANTENNA
			(P) RRU
			(P) DC SURGE SUPPRESSION
			(F) ANTENNA
			(F) RRU
			(E) EQUIPMENT

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GENERAL NOTES:

- 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.

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. SPICES 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:

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- | | |
|-----------------|-----------------------------------|
| 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
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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.



Vendor:

PM&A PROJECT ID: P-167931

PD33

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

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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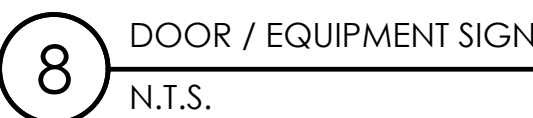
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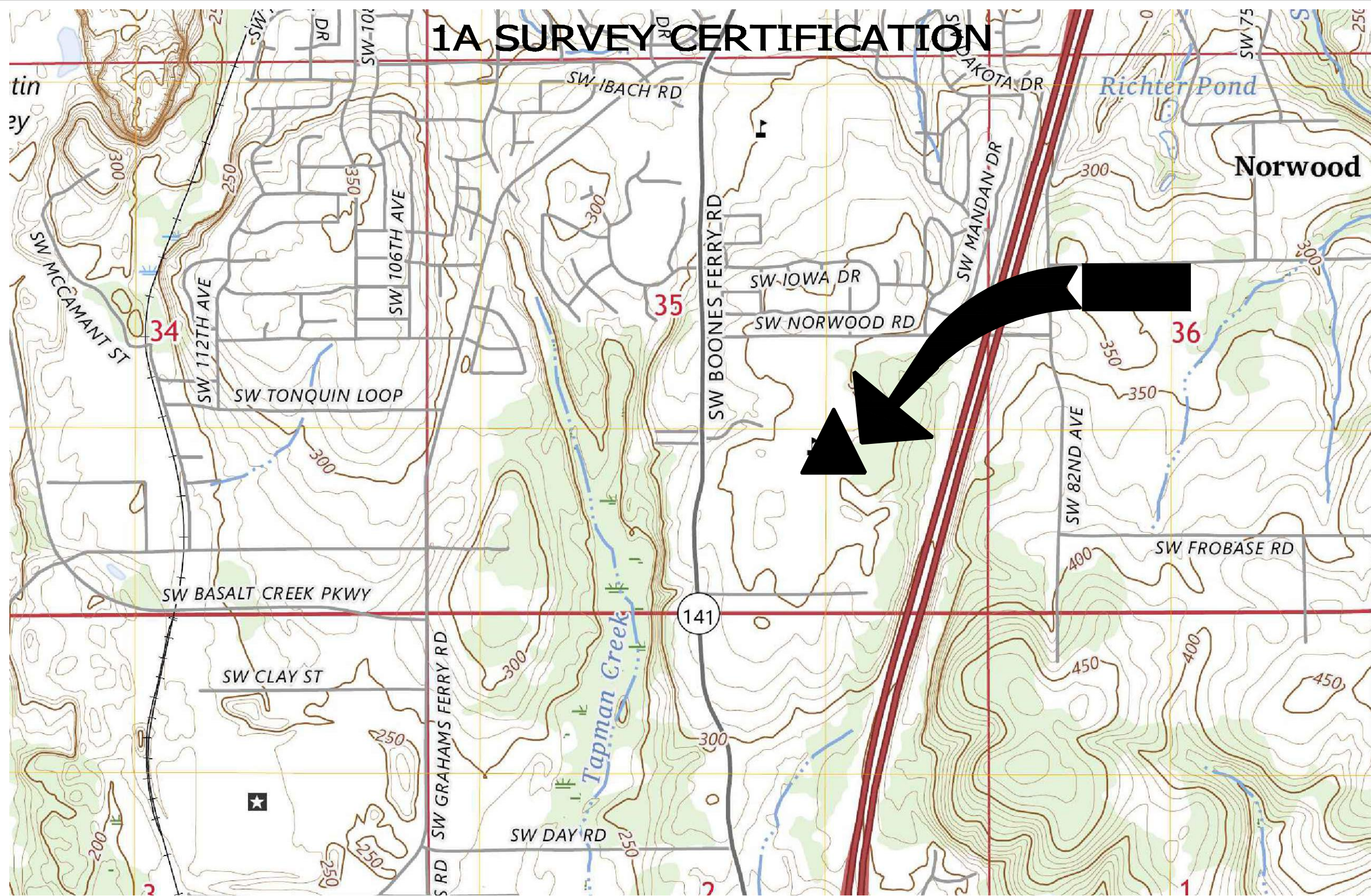
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GENERAL NOTES

Sheet Number:

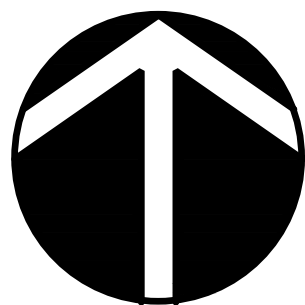
GN-2





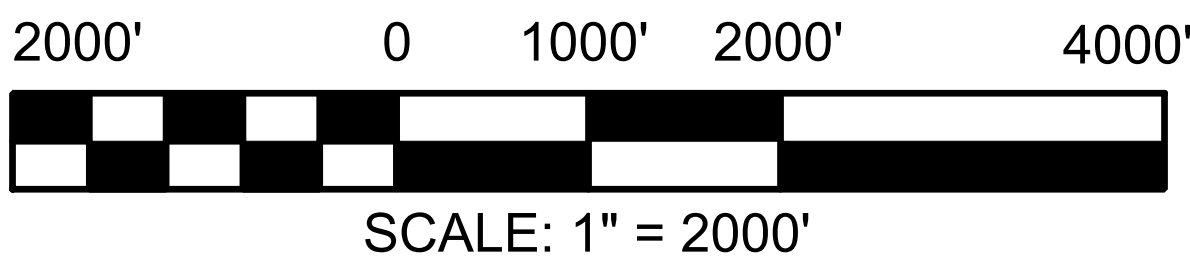
GEOGRAPHIC COORDINATES

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).

S&F Land Services
Land Surveying & Remote Sensing
4005 SW SCHOLLS FERRY RD.
PORTLAND, OR 97225
(503) 345-0558
WWW.SFLANDS.COM EMAIL: INFO@SFLANDS.COM

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

SHEET
1 OF 1

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JUNE 08, 2009
MATTHEW J. FAULKNER
75618LS

RENEWALS: 12/31/25

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

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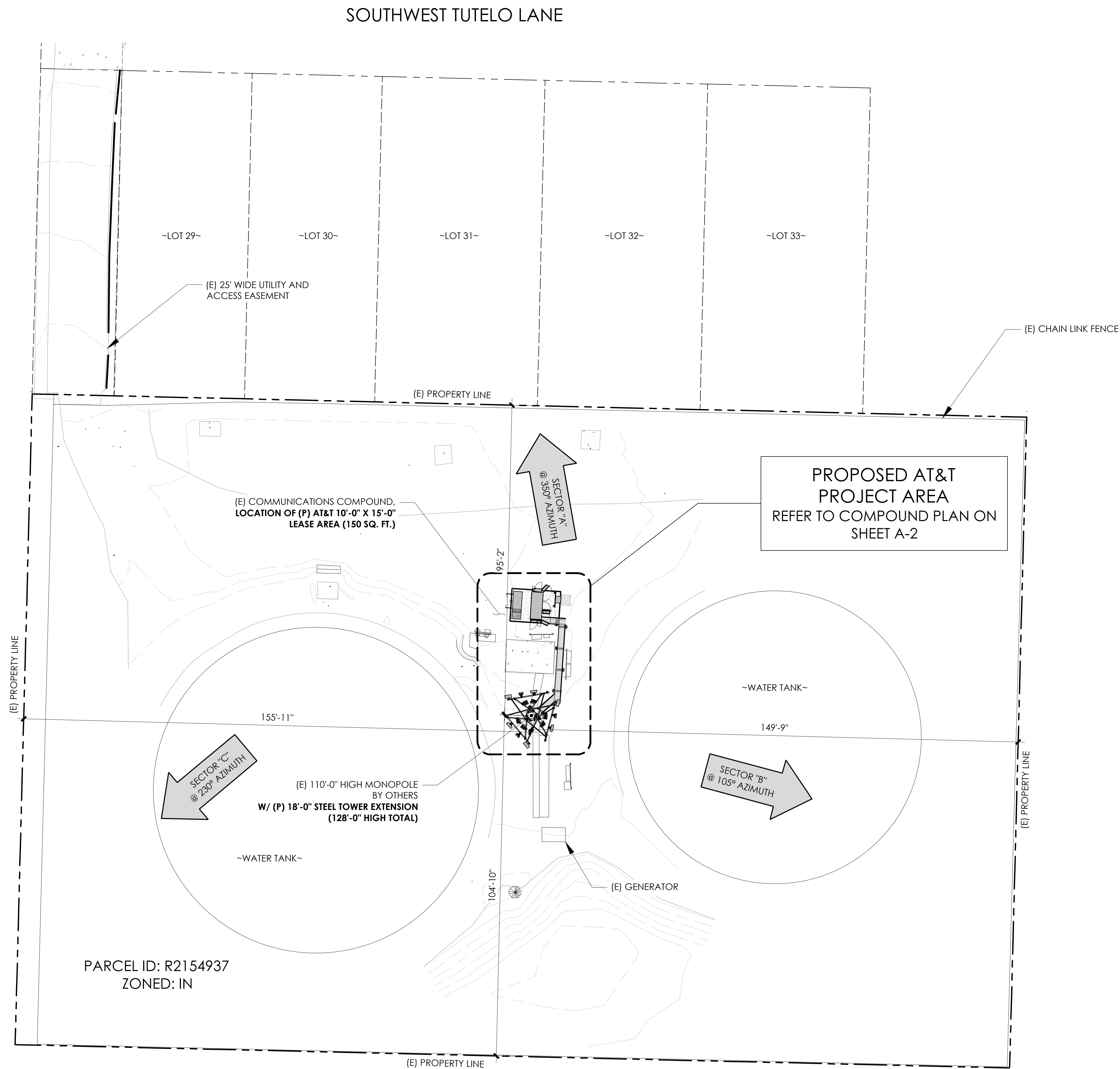
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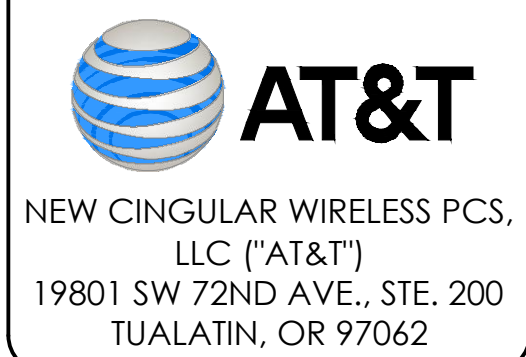
**1A
CERTIFICATION**

Sheet Number:

1A



PREPARED FOR



Issued For:

PD33

BOONES AND IBACH

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TUALATIN, OR 97062
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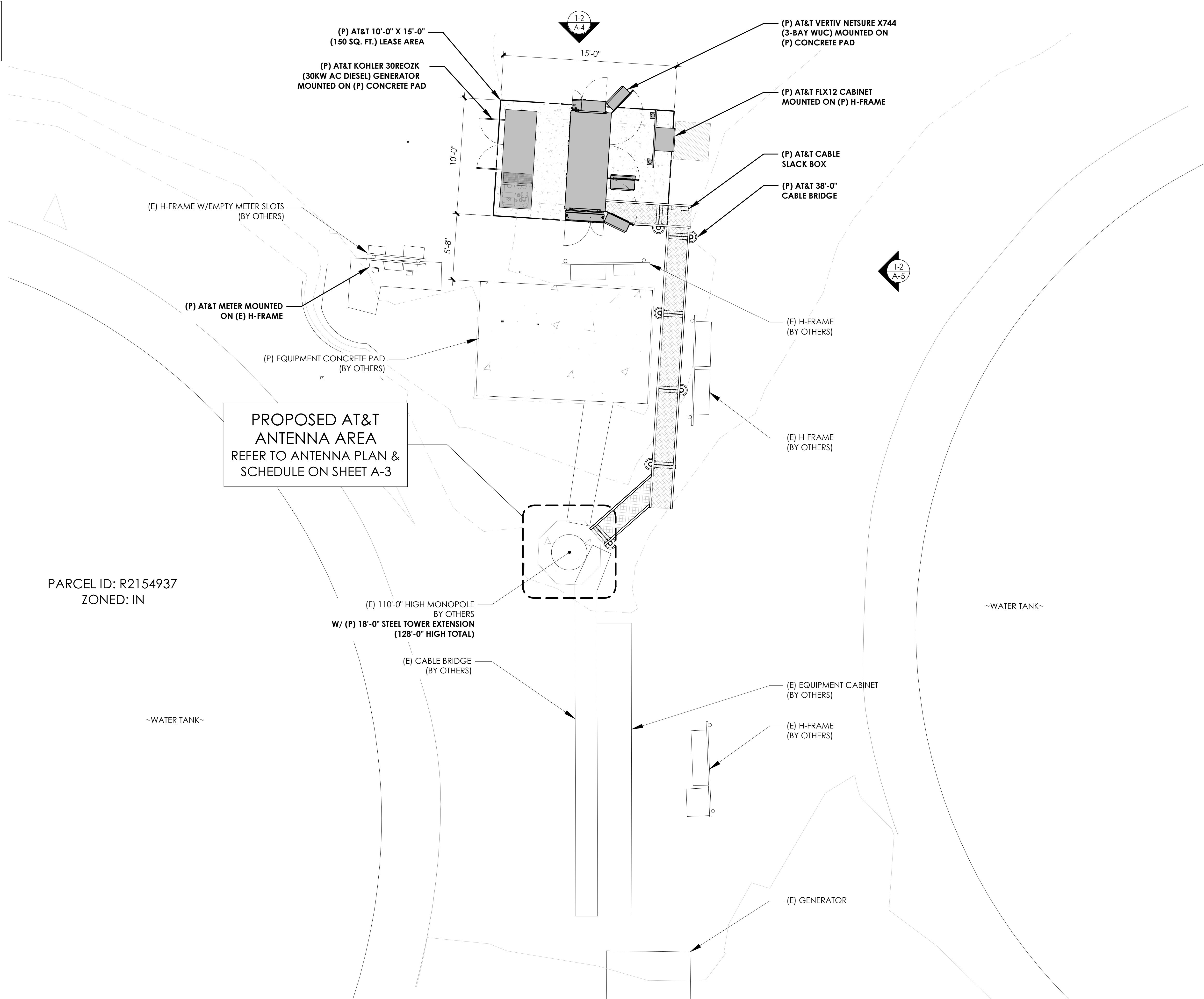
SITE PLAN

Sheet Number:

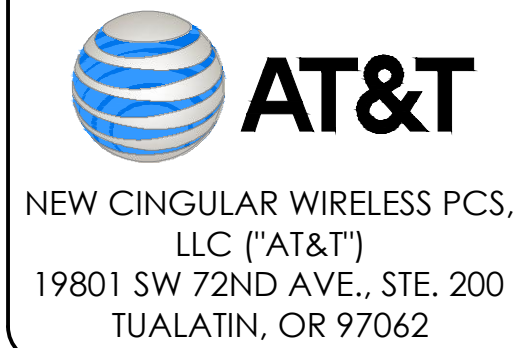
A-1

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	



PREPARED FOR



Vendor:
PM&A
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

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

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A	7/18/24	90% ZD
B	8/01/24	90% ZD
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D	2/25/25	90% ZD
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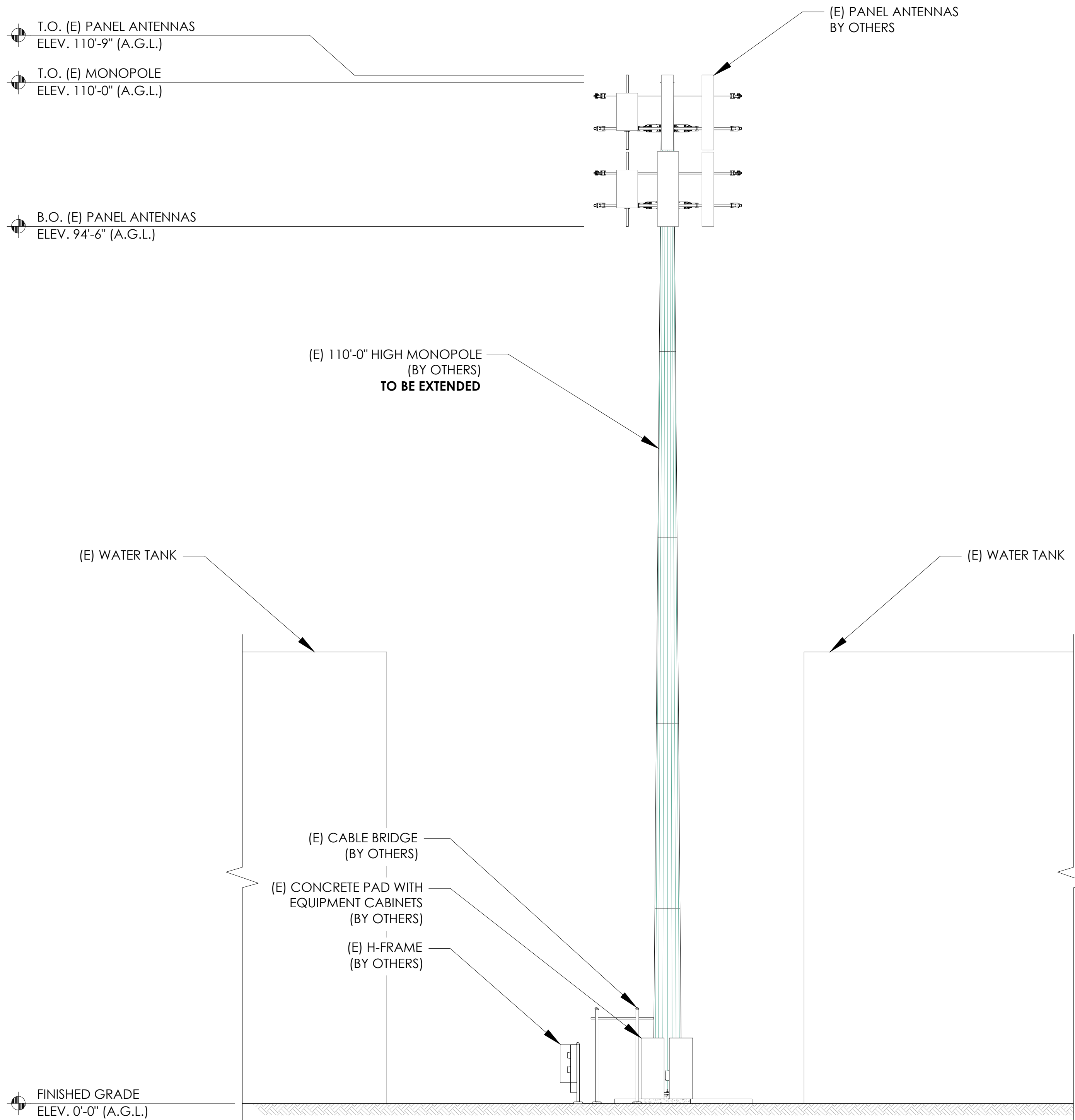
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Sheet Title:
COMPOUND PLAN

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A-2

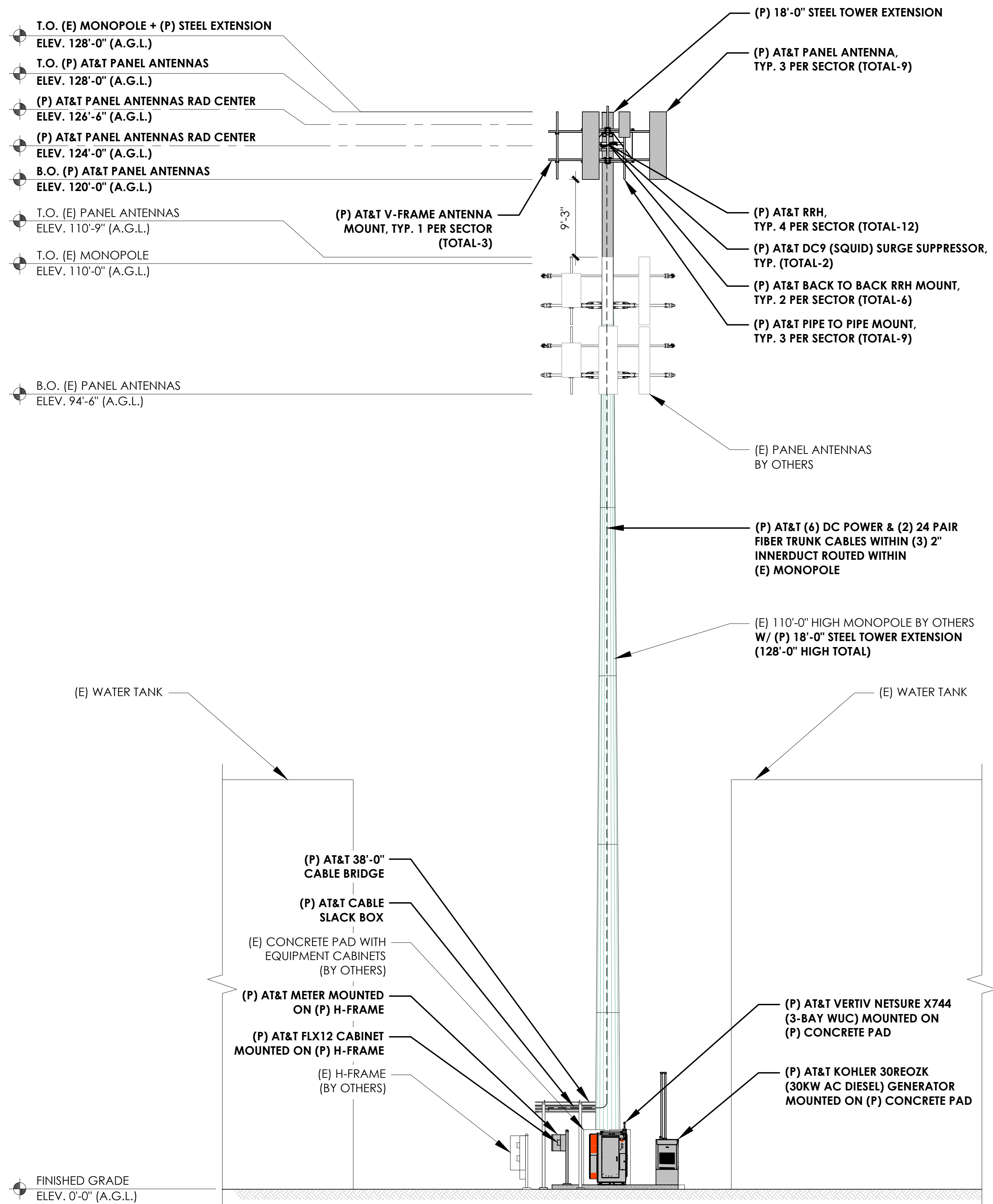
A-3



(E) NORTH ELEVATION

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

2



(P) NORTH ELEVATION

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

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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REV	DATE	DESCRIPTION
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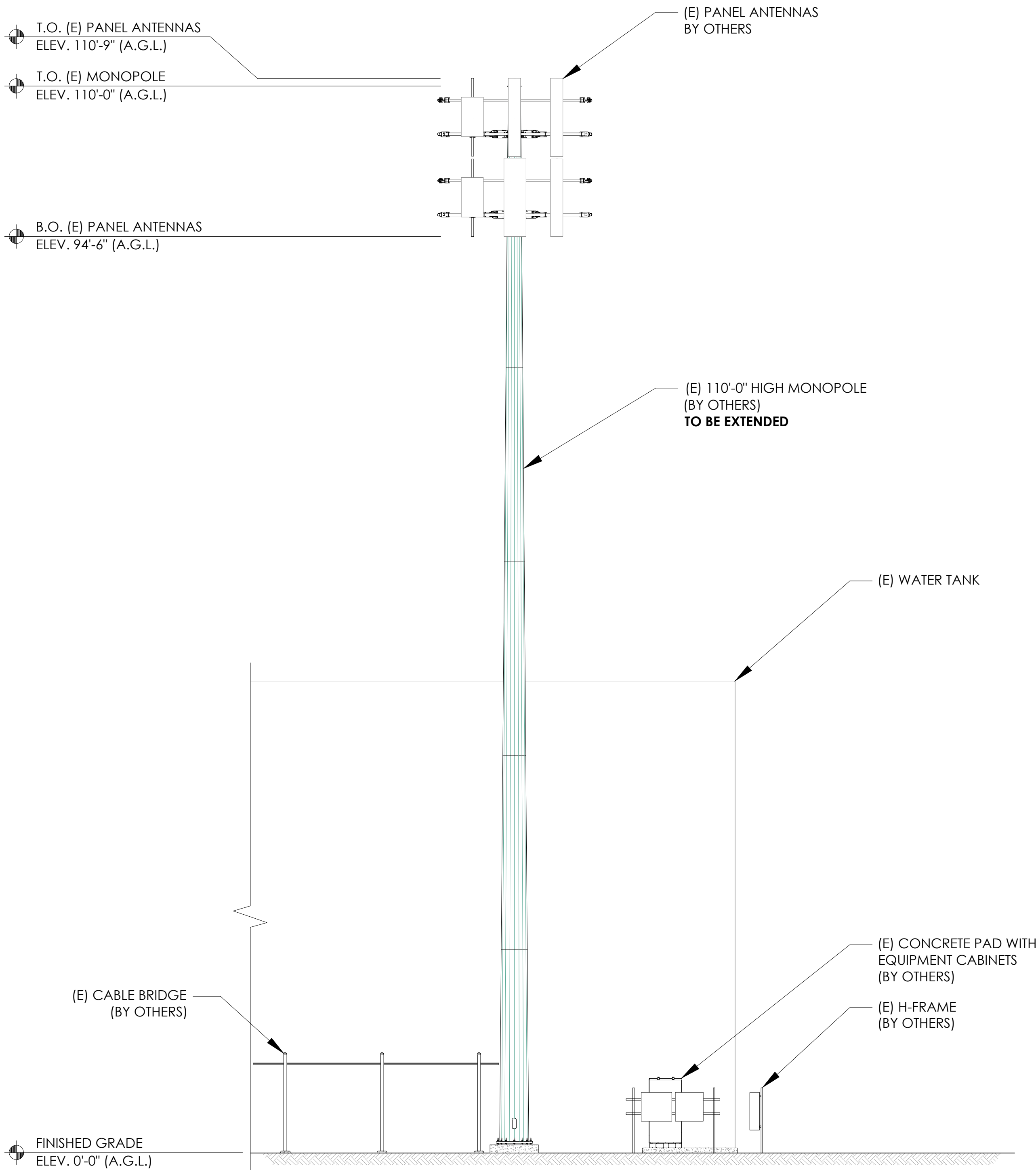
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Sheet Title:

ELEVATIONS

Sheet Number:

A-4

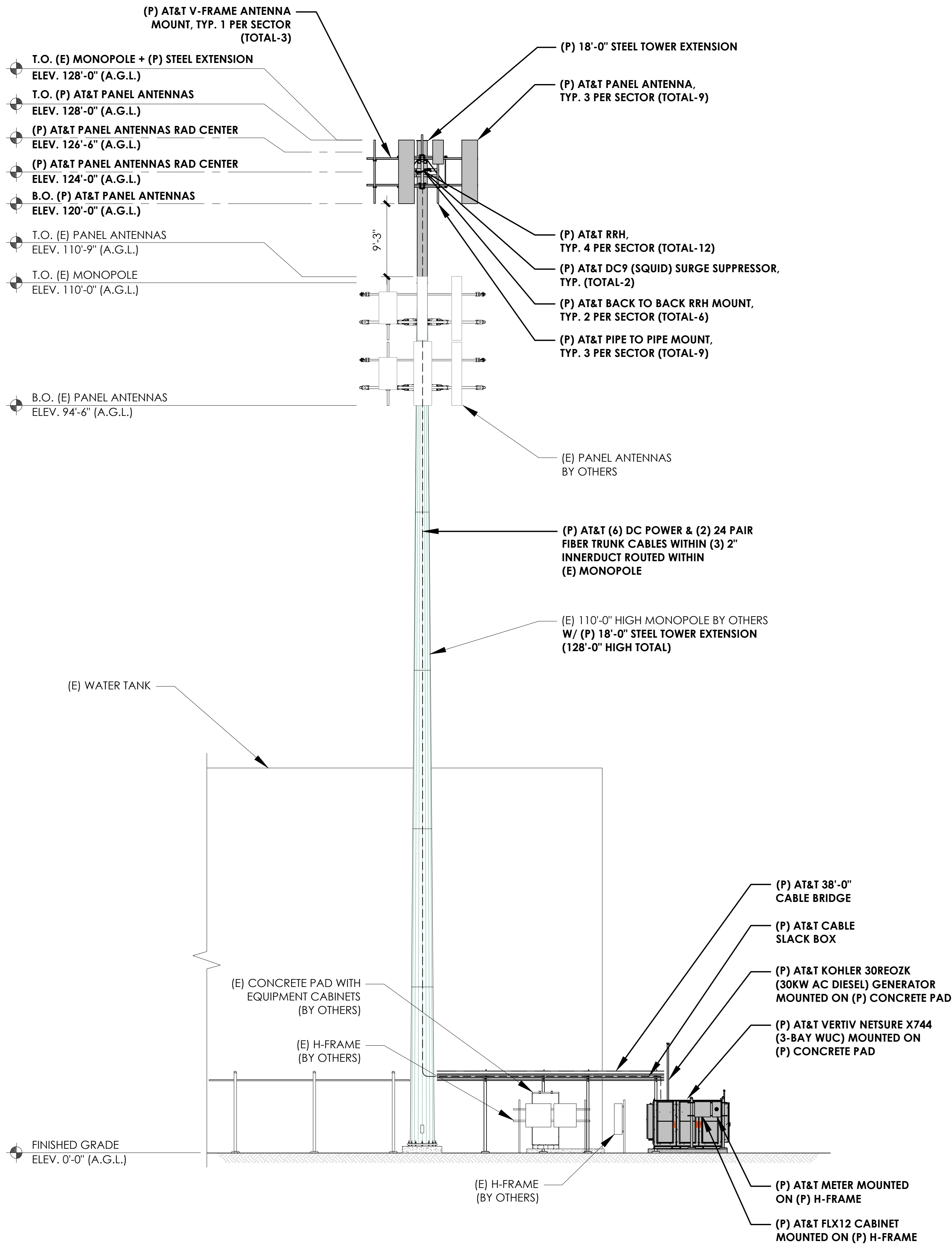


(E) EAST ELEVATION

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



2



(P) EAST ELEVATION

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



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

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D	2/25/25	90% ZD
E	3/14/25	90% ZD

REV	DATE	DESCRIPTION
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Sheet Title:
ELEVATIONS

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A-5