# PROJECT DESCRIPTION

TOWER SCOPE OF WORK:

- EXISTING (1) ANTENNA PER SECTOR TO BE REMOVED
- EXISTING (3) RRH PER SECTOR TO BE REMOVED • INSTALL (2) NEW ANTENNA PER SECTOR

 $\times$  3C

**X** 4C

82 WIDEFIELD BLVD

38° 44' 7.8144"

-104° 43 34.608"

EL PASO COUNTY

COLORADO SPRINGS, CO 80911

1**C** 

LONGITUDE:

JURISDICTION:

DATE ISSUED: 12/13/2018

13380989-COL02359-T-1

13380989-COL02359-A-1

13380989-COL02359-A-2

13380989-COL02359-A-3

13380989-COL02359-A-4

13380989-COL02359-RF-1

13380989-COL02359-RF-2

13380989-COL02359-G-1

13380989-COL02359-G-2

13380989-COL02359-GN-1

• INSTALL (4) NEW RRH PER SECTOR

**GROUND SCOPE OF WORK:** 

- REMOVE (2) EXISTING HVAC UNITS
- INSTALL (6) RECTIFIERS
- INSTALL (2) NEW 4 TON HVAC UNITS WITH DC BLOWERS
- INSTALL (2) ABIA, (1) ASIA, & (1) FSM4 WITH (1) ASIK AND (1) ABIL IN EXISTING LTE RACK

**SCOPE OF WORK** 

PROJECT INFORMATION

A.P.N.

**RF DATA SHEET** 

VERSION: 2.01

**DRAWING INDEX** 

**GENERAL NOTES** 

**OVERALL SITE PLAN** 

TITLE SHEET

**EXISTING USE:** 

CONSTRUCTION TYPE: II-B

EXISTING ENLARGED EQUIPMENT PLAN

**EXISTING & NEW ANTENNA CONFIGURATION** 

NEW ENLARGED EQUIPMENT PLAN

**EXISTING & NEW ELEVATIONS** 

SCHEMATIC GROUNDING PLAN

**RF & EQUIPMENT DETAILS** 

**GROUNDING DETAILS** 

| 7C

2ND RRH ADD

6524100049

X 4TXRX

**REV** 

UNMANNED TELECOMMUNICATIONS FACILITY

UNMANNED TELECOMMUNICATIONS FACILITY

 $\times$  5C

| 6C



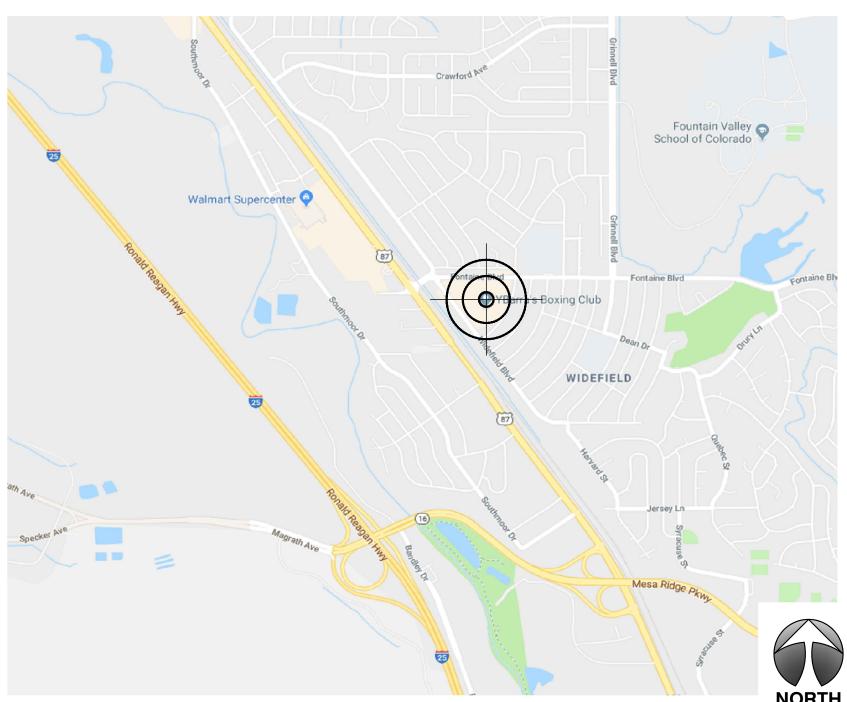
# SITE NAME: WIDEFIELD WATER TANK RELO SITE NUMBER: COL02359

# **CONSTRUCTION DRAWINGS**

# **VICINITY MAP**

## DIRECTIONS: (188 INVERNESS DR WEST, SUITE 400 ENGLEWOOD, CO 80112):

GET ON I-25 S IN LONE TREE. HEAD SOUTH TOWARD INVERNESS DR W. TURN LEFT ONTO INVERNESS DR W. TURN RIGHT ONTO E COUNTY LINE RD. MERGE ONTO I-25 S VIA THE RAMP TO COLO SPRINGS. FOLLOW I-25 S TO PLUM CREEK PKWY. TAKE EXIT 181 FROM I-25 S. MERGE ONTO I-25 S. TAKE EXIT 181 FRONTAGE RD TOWARD WILCOX ST. GET ON I-25 S FROM S WILCOX ST. TURN LEFT ONTO PLUM CREEK PKWY. TURN RIGHT ONTO S WILCOX ST. TURN RIGHT ONTO SKY VIEW LN. TURN LEFT TO I-25 S. ONTO S ACADEMY BLVD. TAKE THE US-85 EXIT TOWARD FOUNTAIN. FOLLOW US-85 S/US-87 S TO FONTAINE BLVD. TURN RIGHT ONTO US-85 S/US-87 S (SIGNS FOR FOUNTAIN). TURN LEFT ONTO FONTAINE BLVD. DESTINATION WILL BE ON THE RIGHT.



# APPLICABLE BLDG. 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 (IBC), 2015 AS ADOPTED BY THE LOCAL JURISDICTION]

### **ELECTRICAL CODE:**

[NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2007, NATIONAL ELECTRICAL CODE, 2014 AS ADOPTED BY THE LOCAL JURISDICTION]

## LIGHTNING PROTECTION CODE:

[NFPA 780 - 2002, 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, THIRTEENTH EDITION ANSI/TIA 222-G, STRUCTURAL STANDARDS FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

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 C2 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION

TELCORDIA GR-1275. GENERAL INSTALLATION REQUIREMENTS

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

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.

STRUCTURAL ANALYSIS OF TOWER BY OTHERS AND ANTENNA MOUNT ANALYSIS IS BY WYCO. BOTH THE GC AND BUILDING OFFICIAL MUST ENSURE THE STRUCTURAL ANALYSIS DOCUMENTS HAVE BEEN PROVIDED BY AT&T. GC TO ENSURE THAT ANY TOWER OR MOUNT MODIFICATIONS ARE MADE PRIOR TO INSTALLATION.

**SCALING DRAWINGS** 

AT&T MOBILITY 161 INVERNESS DR WEST, 2ND FLOOR ENGLEWOOD, CO 80112



SCOTTSDALE, AZ 85258

FIELD SERVICES Where quality still counts.

2227 W. PECOS ROAD. SUITE 4,

# **ADDRESS**

CHANDLER AZ 85224

82 WIDEFIELD BLVD COLORADO SPRINGS, CO 80911

> SITE NUMBER COL02359

SITE NAME WIDEFIELD WATER TANK RELO



# SUBCONTRACTOR 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

SHEET TITLE

TITLE SHEET

SHEET NUMBER

# SITE PROJECT PARTICIPANTS

	NAME	COMPANY	NUMBER
A/E	<b>CHRIS WOLFE</b>	WYCO FIELD SERVICES	602-281-0223
SAC	MACKENZIE HUNT	SMARTLINK, LLC	970-402-9001
RF	ROMMEL LICUDINE	AT&T WIRELESS	703-956-0341
LANDLORD	STEVEN GOSNELL	VERTICAL BRIDGE	770-331-7524

# DIG INFO

# CALL COLORADO ONE CALL

(800) 922 - 1987CALL 3 WORKING DAYS BEFORE YOU DIG!



FOR THE SAME.

IF USING 11"x17" PLOT, DRAWINGS WILL BE AT HALF SCALE.

# GENERAL NOTES:

- 1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
- 1.1. CONTRACTOR T.B.D.
- 1.2. SUBCONTRACTOR GENERAL CONTRACTOR (CONSTRUCTION)
- 1.3. OWNER AT&T MOBILITY
- 1.4. OEM ORIGINAL EQUIPMENT MANUFACTURE
- 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 CONTRACTOR.
- 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. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 5. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 6. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- 7. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR. ROUTING OF TRENCHING SHALL BE APPROVED BY CONTRACTOR.
- 8. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- 9. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OFF 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.
- 10. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- 11. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- 12. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- 13. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741-000-3APS-AOOZ-00002, GENERAL CONSTRUCTION SERVICES.
- 14. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- 15. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- 16. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- 17. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
- 18. SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
- 19. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
- 20. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR—CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
- 21. POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR—CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, ½ INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA AND MATCH EXISTING INSTALLATION REQUIREMENTS.
- 22. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PLANELOAD AND CIRCUIT ID'S).
- 23. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- 24. ALL TIE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILES TIE WRAPS.
- 25. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- 26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- 27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.



AT&T MOBILITY 161 INVERNESS DR WEST, 2ND FLOOR ENGLEWOOD, CO 80112



SCOTTSDALE, AZ 85258



2227 W. PECOS ROAD. SUITE 4, CHANDLER AZ 85224

ADDRESS

82 WIDEFIELD BLVD

COLORADO SPRINGS, CO 80911

SITE NUMBER COL02359

SITE NAME Widefield water tank relo

SEAL



CHECKED BY: CW APPROVED BY: CW		700000	DESCRIPTION	PRELIMINARY CONSTRUCTION DRAWINGS	CX READY RFDS UPDATE	CLIENT COMMENTS	SUBMITTAL CONSTRUCTION DRAWINGS	REVISED RFDS	
UKAWN BY: CW	# <	* <b>1</b>	DATE	07/20/18	07/27/18	08/27/18	10/29/18	12/14/18	
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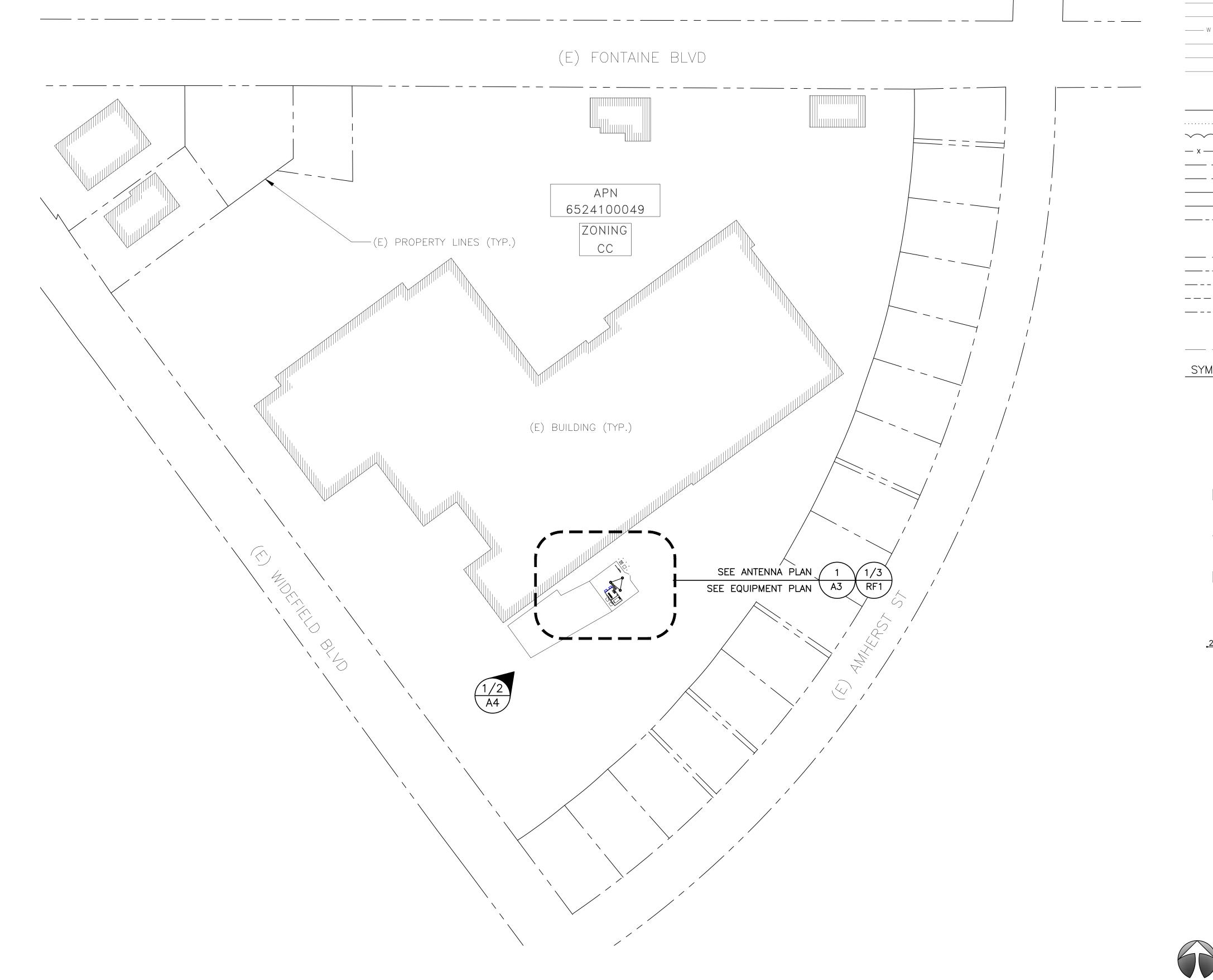
SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1

GENERAL NOTES



LEGEND

UTILITIES - BURIED POWER LINE - BURIED GAS LINE ----- OVERHEAD TELEPHONE LINE BURIED TELEPHONE LINE - BURIED SANITARY SEWER BURIED STORM DRAIN OVERHEAD POWER LINE

LANDSCAPE - DITCH LINE/FLOW LINE

ROCK RETAINING WALL VEGETATION LINE - x - x - x - CHAIN LINK FENCE ---- WOOD FENCE ---- BARBED WIRE FENCE - RAILROAD TRACKS ——— EDGE OF ROAD/STREET ------- CENTERLINE OF ROAD/STREET

PROPERTY

— — — PROPERTY LINE ---- ADJACENT BOUNDARY LINE ----- SECTIONAL BREAKDOWN LINE

AT&T SITE PROPERTY

SUBJECT BOUNDARY LINE

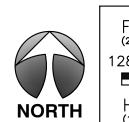
SYMBOL KEY

FIRE HYDRANT GATE VALVE WATER METER FIRE STAND PIPE CATCH BASIN, TYPE I CATCH BASIN, TYPE II TRANSFORMER LIGHT STANDARD POWER VAULT UTILITY BOX UTILITY POLE POLE GUY WIRE GAS VALVE GAS METER

TELEPHONE VAULT TELEPHONE RISER BOLLARD MAIL BOX

SPOT ELEVATION

Know what's below. Call before you dig 1-800-424-5555



FULL SCALE (22x34 SHEET ONLY)	1/64" = 1'-0"
128' 64' 0	64' 128'
HALF SCALE (11x17 sheet only)	1/128" = 1'-0"



AT&T MOBILITY 161 INVERNESS DR WEST, 2ND FLOOR ENGLEWOOD, CO 80112



8502 E VIA DE VENTURA, SUITE 220 SCOTTSDALE, AZ 85258



2227 W. PECOS ROAD. SUITE 4, CHANDLER AZ 85224

**ADDRESS** 

82 WIDEFIELD BLVD COLORADO SPRINGS, CO 80911

SITE NUMBER COL02359

SITE NAME WIDEFIELD WATER TANK RELO

SEAL



PRAWN BY: CW CHECKED BY: CW APPROVED BY: CW  FA # 13380989  REV A 07/20/18 DATE A 07/20/18 PRELIMINARY CONSTRUCTION DRAWINGS B 07/27/18 CX READY RFDS UPDATE C 08/27/18 CLIENT COMMENTS 0 10/29/18 SUBMITTAL CONSTRUCTION DRAWINGS 1 12/14/18 REVISED RFDS
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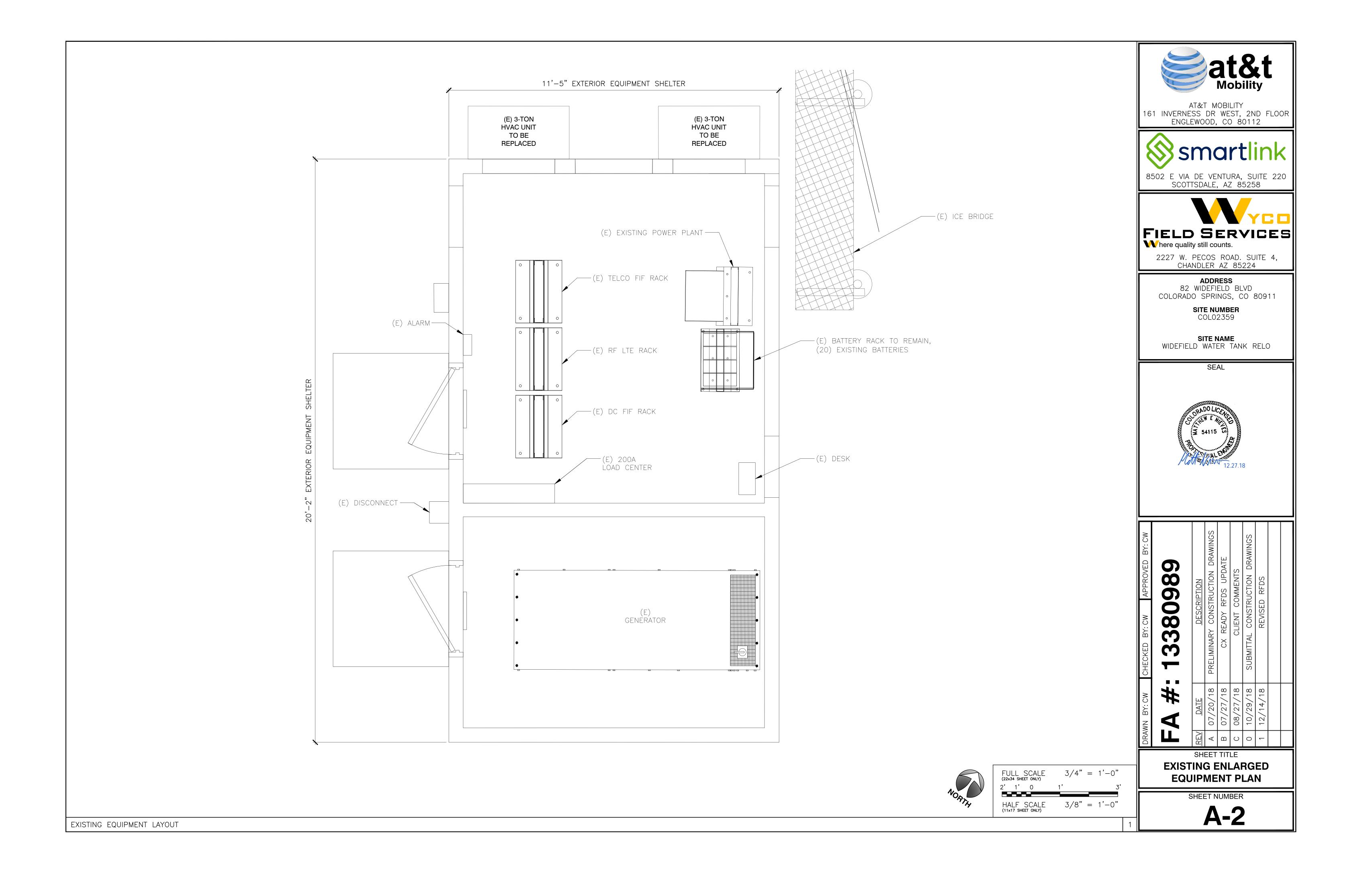
**OVERALL SITE PLAN** 

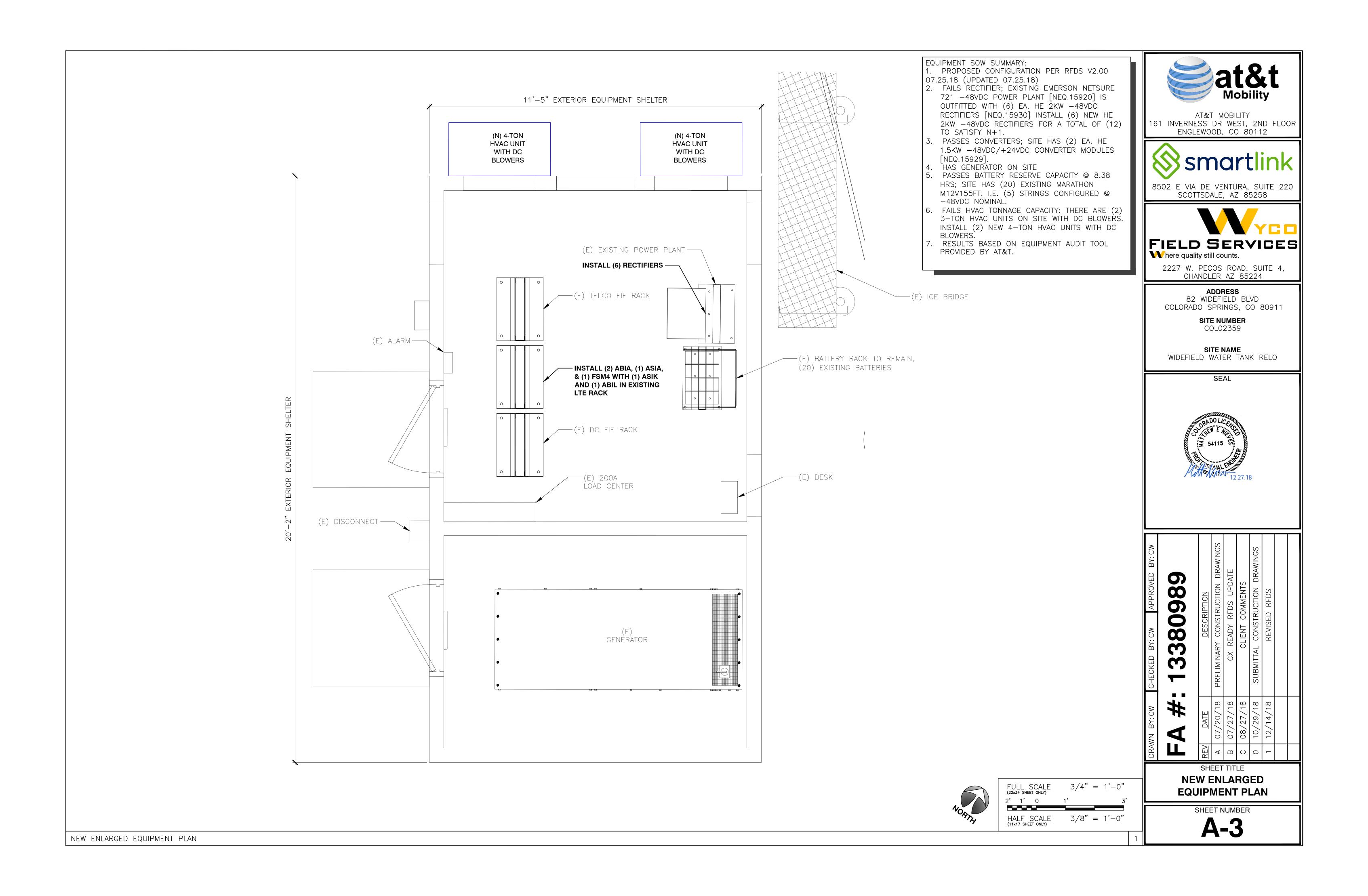
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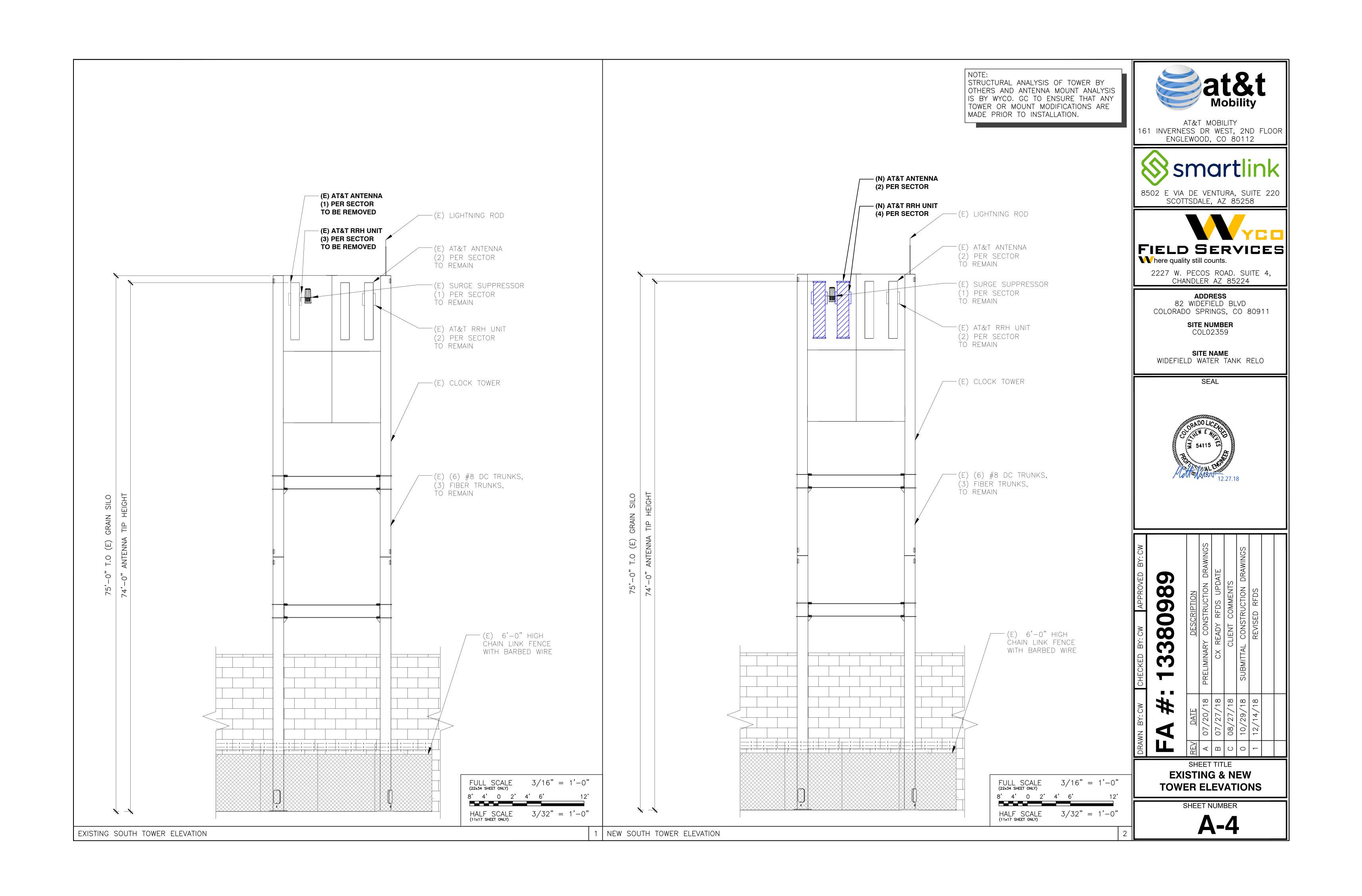
SHEET NUMBER

**A-1** 

OVERALL SITE PLAN







			EXISTING ANTENNA SCHEI	DULE	
SECTOR	POSITION	TECH	ANTENNA	RRH	FEED LINE TYPE
ALPHA	1	UMTS	96.1" PANEL	(2) UMTS	EXISTING FIBER TRUNK
ALPHA	2	LTE	96.1" PANEL	(1) LTE	-
ALPHA	3	_	-	_	-
ALPHA	4	LTE	96.1" PANEL	(2) LTE	EXISTING FIBER TRUNK
BETA	1	UMTS	96.1" PANEL	(2) UMTS	EXISTING FIBER TRUNK
ВЕТА	2	LTE	96.1" PANEL	(1) LTE	-
ВЕТА	3	_	-	_	-
ВЕТА	4	LTE	96.1" PANEL	(2) LTE	EXISTING FIBER TRUNK
GAMMA	1	UMTS	96.1" PANEL	(2) UMTS	EXISTING FIBER TRUNK
GAMMA	2	LTE	96.1" PANEL	(1) LTE	_
GAMMA	3	_	-	_	_
GAMMA	4	LTE	96.1" PANEL	(2) LTE	EXISTING FIBER TRUNK

A1 UMTS

C4 LTE

C2 LTE

C1 UMTS

NEW ANTENNA SCHEDULE							
SECTOR	POSITION	TECH	ANTENNA	RRH	FEED LINE TYPE		
ALPHA	1	UMTS	96.1" PANEL	(2) UMTS	EXISTING FIBER TRUNK		
ALPHA	2	OTHER	96.1" PANEL	_	-		
ALPHA	3	LTE	96" PANEL*	(2) LTE	EXISTING FIBER TRUNK		
ALPHA	4	LTE	96" PANEL*	(2) LTE	EXISTING FIBER TRUNK		
BETA	1	UMTS	96.1" PANEL	(2) UMTS	EXISTING FIBER TRUNK		
BETA	2	OTHER	96.1" PANEL	_	-		
BETA	3	LTE	96" PANEL*	(2) LTE	EXISTING FIBER TRUNK		
BETA	4	LTE	96" PANEL*	(2) LTE	EXISTING FIBER TRUNK		
GAMMA	1	UMTS	96.1" PANEL	(2) UMTS	EXISTING FIBER TRUNK		
GAMMA	2	OTHER	96.1" PANEL	_	_		
GAMMA	3	LTE	96" PANEL*	(2) LTE	EXISTING FIBER TRUNK		
GAMMA	4	LTE	96" PANEL*	(2) LTE	EXISTING FIBER TRUNK		

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82 WIDEFIELD BLVD COLORADO SPRINGS, CO 80911

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SITE NAME WIDEFIELD WATER TANK RELO

SEAL



12.27.18

CHECKED BY: CW APPROVED BY	: 13380989	DESCRIPTION	PRELIMINARY CONSTRUCTION DRAW	CX READY RFDS UPDATE	CLIENT COMMENTS
DRAWN BY: CW	<b>A</b> #:	DATE	A 07/20/18	07/27/18	C 08/27/18
DRAV		REV	A	В	C

SHEET TITLE

**EXISTING & NEW** 

**ANTENNA CONFIGURATION** 

SHEET NUMBER

RF-1

<u>DO NOT</u> USE COAX LENGTHS FOR CUT LENGTHS: <u>ESTIMATES ONLY</u> CONFIRM THAT GENERAL CONTRACTOR IS USING LATEST VERSION OF RFDS. NEW ANTENNA AND COAX CONFIGURATION AND SCHEDULE ANTENNA MOUNT ANALYSIS IS BY WYCO. GC TO ENSURE THAT ANY MOUNT MODIFICATIONS ARE MADE PRIOR TO INSTALLATION. (N) AT&T ANTENNA (2) PER SECTOR ON (E) ANTENNA MOUNTS (N) AT&T RRH UNIT (4) PER SECTOR (SEE SHEET RF-2 FOR MOUNT DETAIL) A4 LTE A2 LTE A1 UMTS SECTOR "B" C3 LTE B4 LTE C2 LTE C1 UMTS NORTH

	( 34 SHE			3	5/8"	= ′	1'-0"	
4'	2'	0	1'	2'	3'		6	,
	LF :			3	3/16"	=	1'-0	,,
								- [



3/8" = 1'-0"FULL SCALE (22x34 SHEET ONLY) 3/16" = 1'-0"

— (E) SURGE SUPPRESSOR

(1) PER SECTOR

(E) AT&T RRH UNIT (3) PER SECTOR

TO BE REMOVED

ÌÓ REMAIN

B1 LTE

NEW ANTENNA CONFIGURATION

EXISTING ANTENNA CONFIGURATION

EXISTING ANTENNAS AND COAX CONFIGURATION AND SCHEDULE

(E) AT&T ANTENNA ——

(2) PER SECTOR TO REMAIN

(2) PER SECTOR TO REMAIN

(E) AT&T ANTENNA (1) PER SECTOR TO BE REMOVED

(E) AT&T RRH UNIT—

\* OR SIMILAR

