#### **APPROVED**

By Daniel Thurgood at 3:53 pm, Apr 29, 2014

#### **APPROVED**

By Chad Bryce at 12:44 pm, Apr 28, 2014

#### **APPROVED**

By Nick Jensen at 1:26 pm, Apr 28, 2014

#### **APPROVED**

By Craig Skinner at 6:52 am, Apr 29, 2014

# Verizonwireless

## SAL - RULON

#### SITE INFORMATION

APPLICANT: VERIZON WIRELESS 9656 SOUTH PROSPERITY ROAD WEST JORDAN, UTAH 84088

SITE ADDRESS: 2367 NORTH RULON WHITE BLVD OGDEN, UTAH 84404

SITE OWNER:

AMERICAN TOWER, SITE #310320

ZONING JURISDICTION: WEBER COUNTY

PROJECT DESCRIPTION:

THIS IS AN EXISTING UNMANNED COMMUNICATIONS FACILITY, VZW IS PROPOSING TO ADD THEIR ANTENNAS TO THE EXISTING MONOPOLE WITH EQUIPMENT LOCATED INSIDE A 11'-6" X 25'-5.5" PRE-FABRICATED EQUIPMENT SHELTER

TYPE OF CONSTRUCTION: PRE-FAB SHELTER, AND ANTENNAS

HANDICAP REQUIREMENTS:

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, HANDICAP ACCESS REQUIREMENTS  $\underline{\text{DO NOT}}$  APPLY

POWER COMPANY:

ROCKY MOUNTAIN POWER, 1-888-221-7070

### LOCATION MAP



#### DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, AND EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

#### CONTACT INFORMATION

SITE ACQUISITION: TECHNOLOGY ASSOCIATES EC, INC 5710 SOUTH GREEN STREET SALT LAKE CITY, UTAH 84123 CONTACT: DANIEL THURGOOD PHONE: 801-875-7789 CONSTRUCTION MANAGEMENT:
VERIZON WIRELESS
9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84088
CONTACT: CRAIG SKINNER
PHONE: 801-573-2878

#### DRIVING DIRECTIONS

FROM VZW'S WEST JORDAN OFFICES, TAKE I-15 NORTH FOR 30± MILES TO OGDEN EXIT #349 FOR 2700 NORTH STREET. TAKE EXIT AND GO EAST ON 2700 NORTH FOR 0.5 MILES TO RULON WHITE BLVD. TURN RIGHT AND GO SOUTH ON RULON WHITE BLVD FOR 0.5 MILES TO HEMMINGWAY STREET (2350 NORTH). TURN RIGHT AND GO WEST ON HEMMINGWAY TO THE EXISTING ATC FACILITY ON THE RIGHT (NORTH) SIDE OF THE STREET.

#### APPROVALS

VERIZON WIRELESS REPRESENTATIVE:

VERIZON WIRELESS RF ENGINEER:

TACC SITE ACQUISITION:

TACC CONSTRUCTION MANAGER:

SITE OWNER:

#### DRAWING INDEX

DRAWING INDEX						
SHEET NO.	SHEET TITLE	R E V	REV DATE			
T100	TITLE SHEET, VICINITY MAP, GENERAL SITE INFORMATION	0				
SURV	SITE SURVEY	0				
C100	OVERALL SITE PLAN	0				
C101	ENLARGED SITE PLAN	0				
C200	SITE ELEVATIONS	0				



UNDERGROUND SERVICE ALERT, CALL 'BLUE STAKES OF UTAH' @ 811 OR 1-800-662-4111

THREE WORKING DAYS BEFORE YOU DIG





VERIZON WIRELESS 9656 SOUTH PROSPERITY ROAD WEST JORDAN, UTAH 84088

TAEC

Technology Associates Engineering Cornoration

#### TECHNOLOGY ASSOCIATES

UTAH MARKET OFFICE 5710 SOUTH GREEN STREET SALT LAKE CITY, UTAH 84123

CORPORATE OFFICE
3115 SOUTH MELROSE DRIVE, SUITE #110
CARLSBAD, CALIFORNIA 92010

DRAWN BY: JAY C
CHECKED BY: DANIEL T

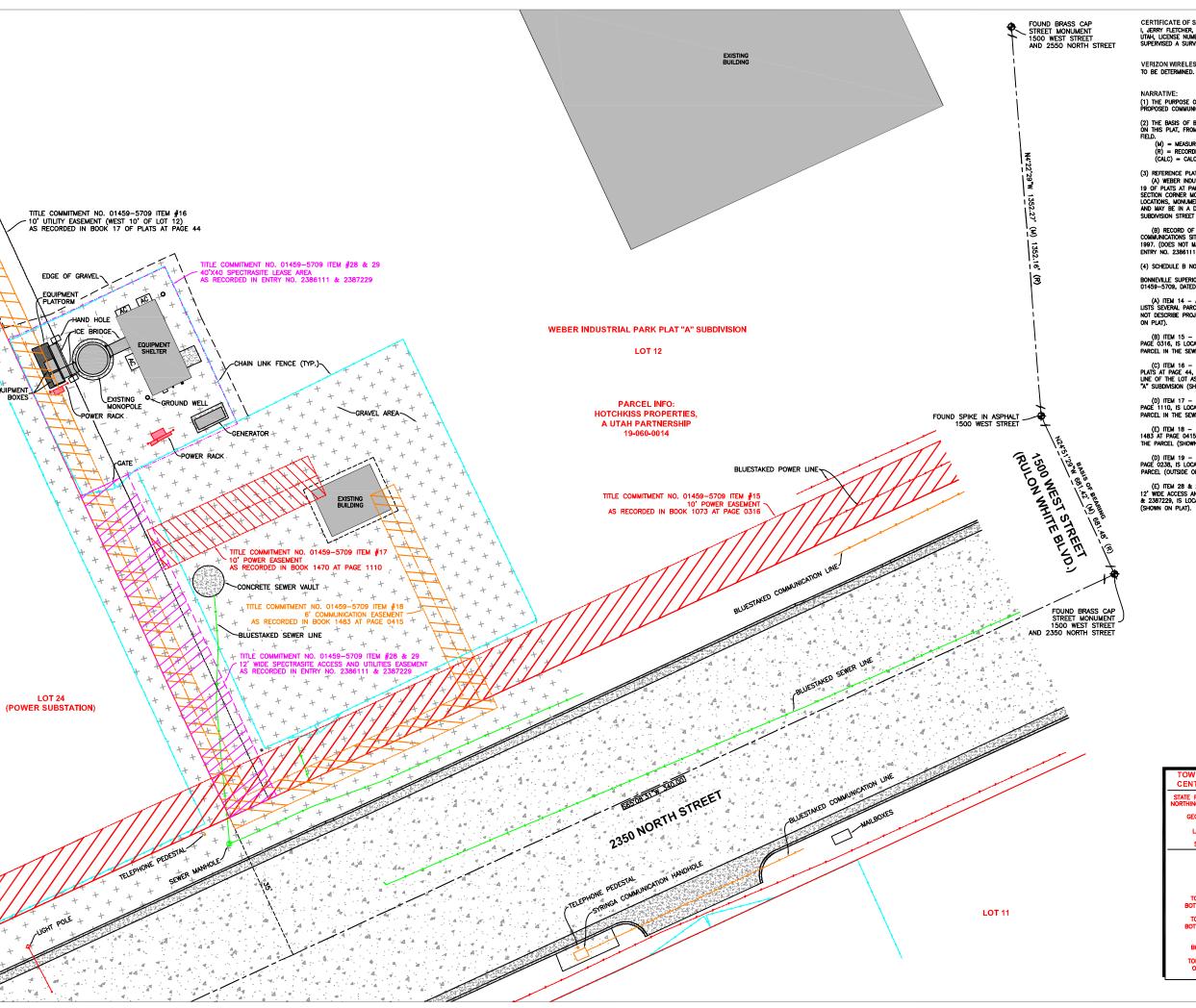
0 04.17.2014 ZONING DRAWINGS
REV DATE DESCRIPTION

SAL - RULON
NW SEC 36, T7N, R2W
2367 N RULON WHITE BLVD
OGDEN, UTAH 84404
-- SITE CO-LOCATION --

SHEET TITLE
TITLE SHEET
VICINITY MAP
GENERAL INFORMATION

SHEET NUMBE

T100



Certificate of Survey:

1, Jerry Fletcher, Professional Land Surveyor, State of UTAH, License Number 6436064, Certify That 1 have supervised a Survey on the Ground as Shown Hereon:

VERIZON WIRELESS LEASE SITE DESCRIPTION:

(1) THE PURPOSE OF THIS SURVEY IS TO LOCATE AND SURVEY A PROPOSED COMMUNICATIONS TOWER SITE.

(2) THE BASIS OF BEARING USED FOR THIS SURVEY IS AS SHOWN ON THIS PLAT, FROM FOUND MONUMENTS AS LOCATED IN THE FIELD.

(M) = MEASURED BEARING OR DISTANCE. (R) = RECORDED BEARING OR DISTANCE. (CALC) = CALCULATED BEARING OR DISTANCE

(3) REFERENCE PLATS:
(A) WEBER INDUSTRIAL PARK PLAT "A" SUBDIVISION, IN BOOK
19 OF PLATS AT PAGE 44, RECORDED APRIL 2, 1976. (NOTE:
SECTION CORNER MONUMENT MEASUREMENTS DO NOT MATCH FIELD
LOCATIONS, MONUMENTS HAVE BEEN REPLACED IN 2004 & 2008,
AND MAY BE IN A DIFFERENT LOCATION THAN IN 1976,
SUBDIVISION STREET MONUMENTS WERE USED TO LOCATE LOT)

(B) RECORD OF SURVEY NO. 002052, NEXTEL COMMUNICATIONS SITE LOCATION SURVEY, DATED DECEMBER 16, 1997. (DOES NOT MATCH RECORD DESCRIPTION AND EASEMENT IN ENTRY NO. 2386111 & 2387229)

(4) SCHEDULE B NOTES:

BONNEVILLE SUPERIOR TITLE COMPANY COMMITMENT NO. 01459-5709, DATED FEBRUARY 24, 2014.

(A) ITEM 14 - AGREEMENT IN BOOK 1060 AT PAGE 0239, LISTS SEVERAL PARCELS AFFECTED BY AGREEMENT, HOWEVER DOES NOT DESCRIBE PROJECT FACILITIES AREA REFERENCED (NOT SHOW

(B) ITEM 15 - 10' WIDE POWER EASEMENT IN BOOK 1073 A' PAGE 0316, IS LOCATED IN THE SOUTHWEST PORTION OF THE PARCEL IN THE SEWER FACILITY (SHOWN ON PLAT).

(C) ITEM 16 - 10' WIDE UTILITY EASEMENT IN BOOK 19 OF PLATS AT PAGE 44, REFERENCES THE EASEMENT ALONG THE WEST LINE OF THE LOT AS SHOWN ON WEBER INDUSTRIAL PARK PLAT "A" SUBDIVISION (SHOWN ON PLAT)

(D) ITEM 17 — 10' WIDE POWER EASEMENT IN BOOK 1470 A PAGE 1110, IS LOCATED IN THE SOUTHWEST PORTION OF THE PARCEL IN THE SEWER FACILITY (SHOWN ON PLAT).

(E) ITEM 18 - 10' WIDE COMMUNICATION EASEMENT IN BOOK 1483 AT PAGE 0415, IS LOCATED IN THE SOUTHWEST PORTION OF THE PARCEL (SHOWN ON PLAT).

(D) ITEM 19 - 5' WIDE WATER EASEMENT IN BOOK 1534 AT PAGE 0238, IS LOCATED ALONG THE EAST PORTION OF THE PARCEL (OUTSIDE OF VIEWABLE AREA OF PLAT).

(E) ITEM 28 & 29 - SPECTRASITE 40'X40' LEASE AREA AND 12' WIDE ACCESS AND UTILITIES EASEMENT IN ENTRY NO. 2386111 & 2387229, IS LOCATED AROUND THE EXISTING SITE LOCATION (SHOWN ON PLAT).

CENTER OF THE (E) MONOPOLE

GEODETIC COORDINATES - NAD 83 LATITUDE = N 41\*17\*56.37\*\* LONGITUDE = W 112\*00\*55.20\*\*

STATE OF UTAH, NORTH ZONE HIGHEST POINT = 155.21 OR 4438.76 A.M.S.L.

TOP OF TOWER = 147.07' OR 4430.62' A.M.S.L.

TOP OF ANTENNA #1 = 153.01' BOTTOM OF ANTENNA #1 = 144.04'

TOP OF ANTENNA #2 = 139.75' BOTTOM OF ANTENNA #2 = 132.48'

TOP OF DISH #1 = 131.37'BOTTOM OF DISH #1 = 128.99'

TOP OF CONCRETE = 0.00' A.G.L. OR 4283.55' A.M.S.L. (NAVD88)



wireless VERIZON WIRELESS 9656 SOUTH PROSPERITY ROAD WEST JORDAN, UTAH 84088

TAEC

UTAH MARKET OFFICE 5710 SOUTH GREEN STREET SALT LAKE CITY, UTAH 84123

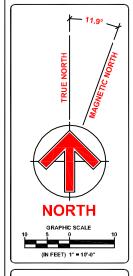
TECHNOLOGY ASSOCIATES

CORPORATE OFFICE 5 SOUTH MELROSE DRIVE, SUITE #110 CARLSBAD, CALIFORNIA 92010

SURVEY PREPARED BY:



W	PROJECT NO:		VZ-14-40	
""	DRA	WN BY:	JERRY F	
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F			SITE SURVEY	
	REV	DATE	DESCRIPTION	



SAL - RULON NW SEC 36, T7N, R2W 2367 N. RULON WHITE BLVD. OGDEN, UT 84404 -- SITE CO-LOCATION -

> SHEET TITLE SITE SURVEY

SHEET NUMBER **SURV** 

#### INFORMATION REGARDING SURVEY DATA SUBMITTED TO THE FAA

FAA Order 8260.19c requires proponents of certain proposed construction (located beneath instrument procedures) provide the FAA with a site survey and/or letter, from a licensed land surveyor, which certifies the site coordinates and the surface elevation at the site. On October 15, 1992, the FAA started using the North American Datum of 1983 (NAD-83), and therefore all site coordinates should be based on NAD-83. The FAA requires that the survey letter contain an accuracy statement that meets accuracy tolerances required by the FAA. The most requested tolerances are +/- 50 feet in the horizontal and +/- 20 feet in the vertical (2-C). When the site coordinates and/or site elevation can be certified to a greater accuracy than requested by the FAA, please do so.

In order to avoid FAA processing delays, the original site survey or certifying letter should be attached to the 7460 when it is filed at the FAA's regional office. It must be signed and sealed by the licensed land surveyor having performed or supervised the survey.

The FAA accuracy codes and a sample accuracy statement are listed below.

#### ACCURACY CODES:

	HORIZONTAL	<u>VER</u>	ΓICAL
Code	Tolerance	Code	<u>Tolerance</u>
1	+/- 15 ft	A	+/- 3 ft
2	+/- 50 ft	В	+/- 10 ft
3	+/- 100 ft	C	+/- 20 ft
4	+/- 250 ft	D	+/- 50 ft
5	+/- 500 ft	E	+/- 125 ft
6	+/- 1000 ft	F	+/- 250 ft
7	+/- 1/2 NM	G	+/- 500 ft
8	+/- 1 NM	Н	+/- 1000 ft
9	Unknown	I	Unknown

Date: APRIL 15, 2014

Re: SAL RULON

NW 1/4 OF SECTION 36, TOWNSHIP 7 NORTH, RANGE 2WEST, SALT LAKE MERIDIAN 2367 NORTH RULON WHITE BLVD., OGDEN, UT 84404

I certify that the latitude of N 41°17'56.37", and the longitude of W 112°00'55.20", are accurate to within 15 feet horizontally and the site elevation of 4283.55 feet, AMSL (American Mean Sea Level), is accurate to within +/- 3 feet vertically. With a structure height of 155.21 feet AGL, the overall height would be 4438.76 feet AMSL. The horizontal datum (coordinates) are in terms of the North American Datum of 1983 (NAD-83) and are expressed as degrees, minutes and seconds, to the nearest (tenth/hundredth) of a second. The vertical datum (heights) are in terms of the (NAVD88) and are determined to the nearest foot.

Top of Lightning Rod = 155.21' A.G.L. or 4438.76' A.M.S.L. (Highest Point)

Top of Antenna Set  $\#1=153.01^{\circ}$  A.G.L. or 4436.56' A.M.S.L. Bottom of Antenna Set  $\#1=144.04^{\circ}$  A.G.L.

Top of Antenna Set #2 = 139.75' A.G.L. or 4423.30' A.M.S.L. Bottom of Antenna Set #2 = 132.48' A.G.L.

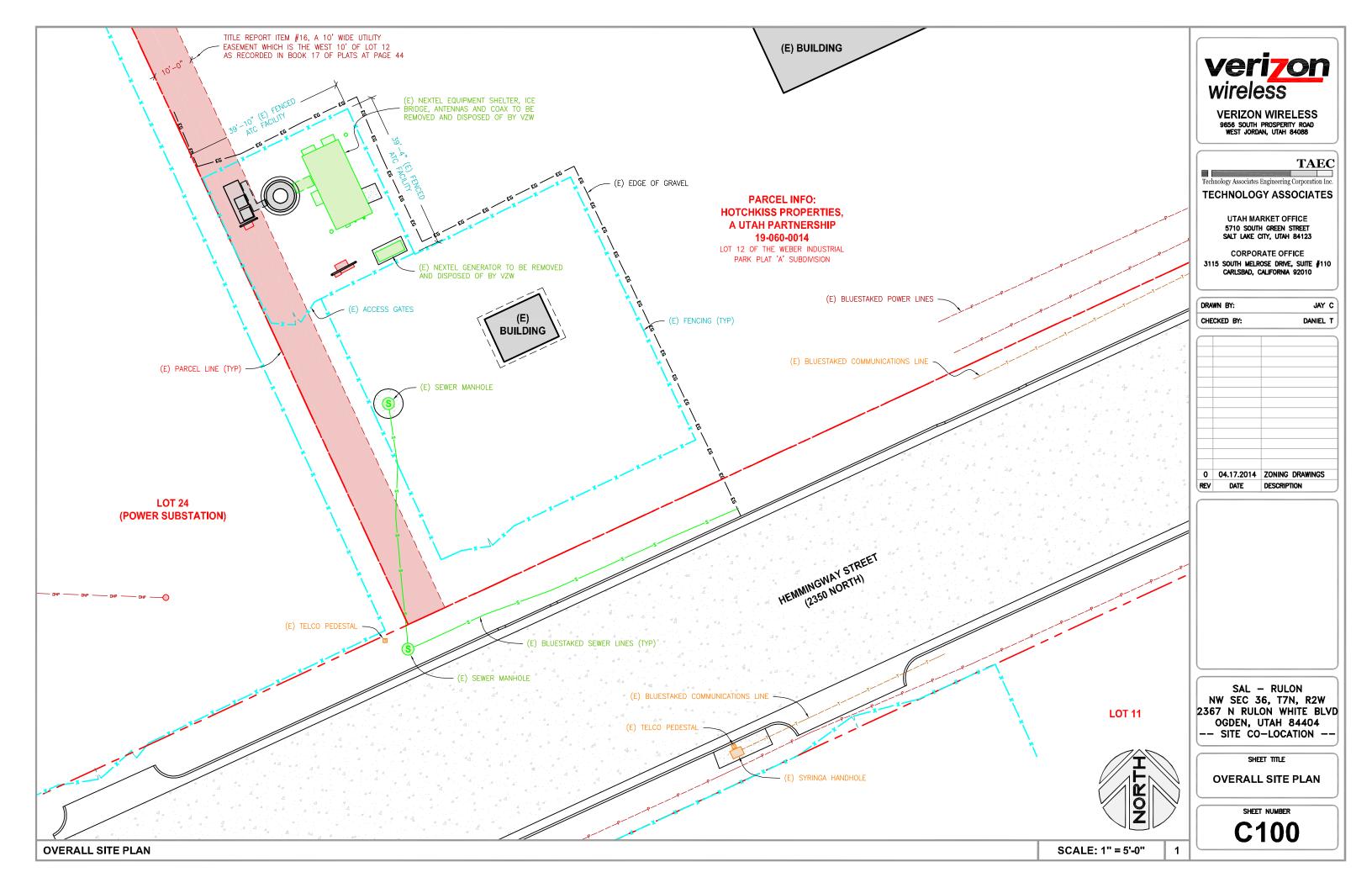
Top of Dish #1 = 131.37' A.G.L. or 4414.92' A.M.S.L. Bottom of Dish #1 = 128.99' A.G.L.

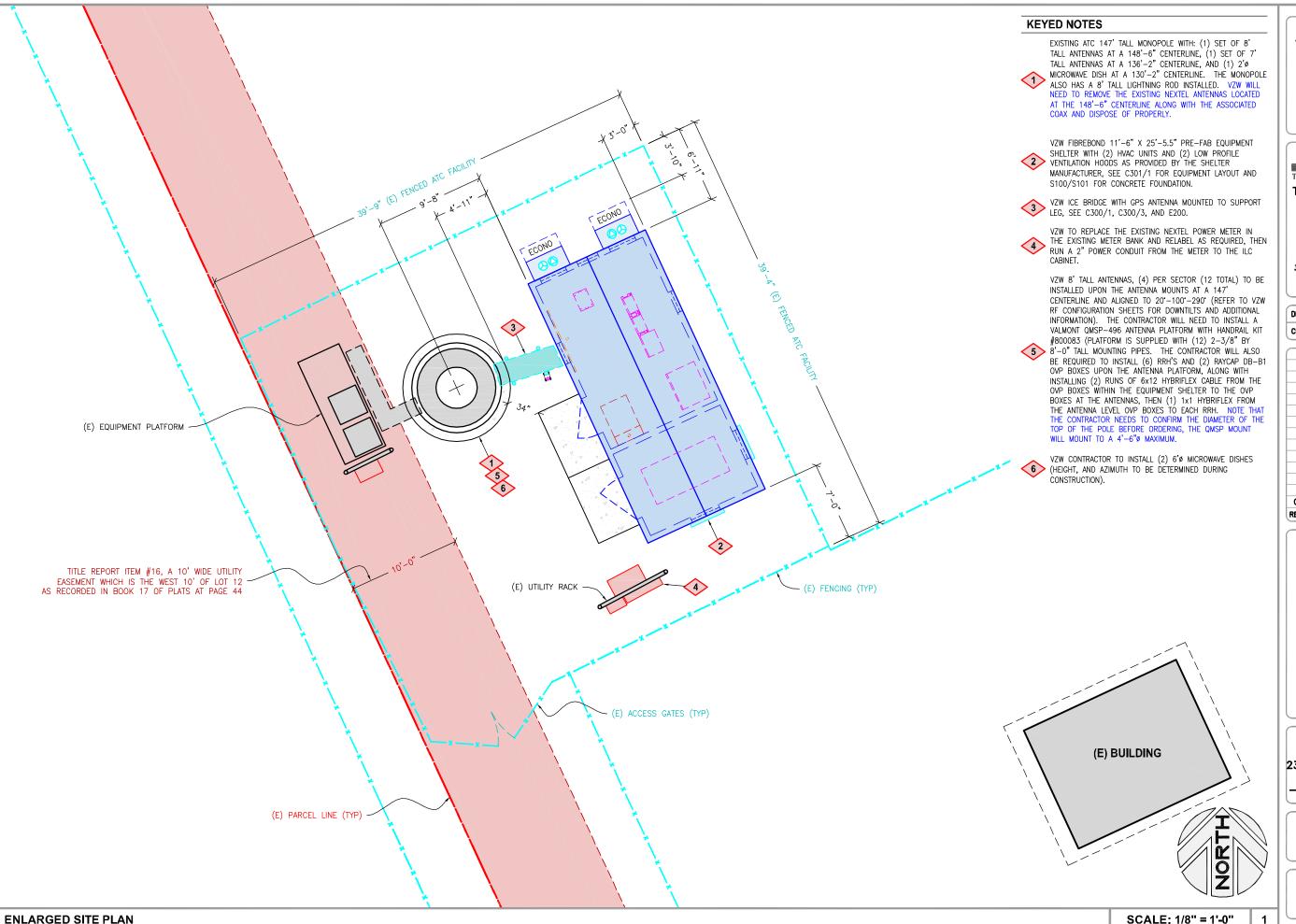
Top of Monopole = 147.07' A.G.L.

Top of Concrete = 0.00' A.G.L. or 4283.55' A.M.S.L.



Professional Licensed Land Surveyor: Jerry Fletcher, Utah LS no. 6436064 1-A FAA Letter







VERIZON WIRELESS 9656 SOUTH PROSPERITY ROAD WEST JORDAN, UTAH 84088

TAEC

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#### **TECHNOLOGY ASSOCIATES**

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CORPORATE OFFICE
3115 SOUTH MELROSE DRIVE, SUITE #110
CARLSBAD, CALIFORNIA 92010

DRAWN BY: JAY C
CHECKED BY: DANIEL T

0 04.17.2014 ZONING DRAWINGS
REV DATE DESCRIPTION

SAL - RULON
NW SEC 36, T7N, R2W
2367 N RULON WHITE BLVD
OGDEN, UTAH 84404
-- SITE CO-LOCATION --

SHEET TITLE

**ENLARGED SITE PLAN** 

SHEET NUMBER

C101

#### **KEYED NOTES**

EXISTING ATC 147' TALL MONOPOLE WITH: (A) (1) SET OF 8' TALL ANTENNAS AT A 148'-6" CENTERLINE, (B) (1) SET OF 7' TALL ANTENNAS AT A 136'-2" CENTERLINE, AND (C) (1)

1 2'ø MICROWAVE DISH AT A 130'-2" CENTERLINE. VZW WILL NEED TO REMOVE THE EXISTING NEXTEL ANTENNAS LOCATED AT THE 148'-6" CENTERLINE ALONG WITH THE ASSOCIATED COAX AND DISPOSE OF PROPERLY.

2 EXISTING 8' TALL LIGHTNING ROD CURRENTLY INSTALLED.

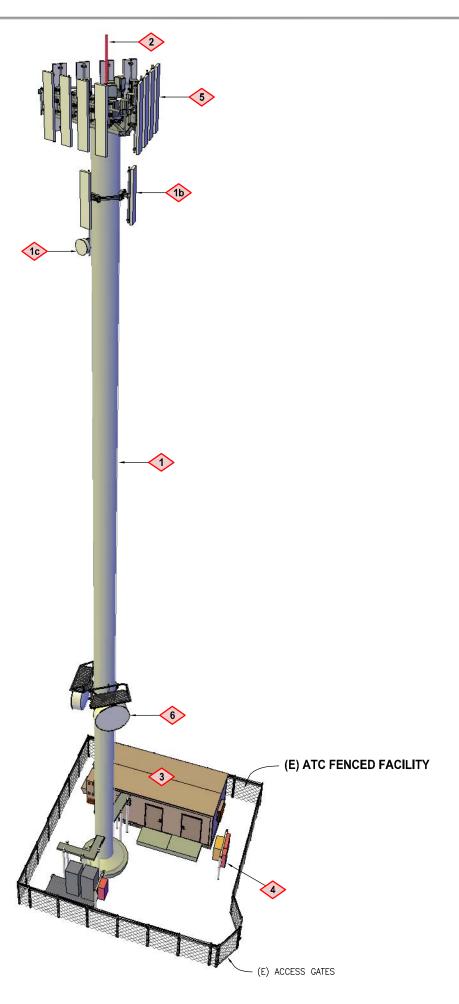
VZW FIBREBOND 11'-6" X 25'-5.5" PRE-FAB EQUIPMENT SHELTER WITH (2) HVAC UNITS AND (2) LOW PROFILE 3 VENTILATION HOODS AS PROVIDED BY THE SHELTER MANUFACTURER, SEE C301/1 FOR EQUIPMENT LAYOUT AND \$100/\$101 FOR CONCRETE FOUNDATION.

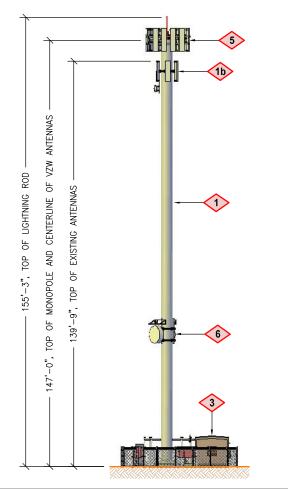
VZW TO REPLACE THE EXISTING NEXTEL POWER METER IN THE EXISTING MEIER BANK AND REDUCE TO THE ILC. THE EXISTING METER BANK AND RELABEL AS REQUIRED, THEN

> VZW 8' TALL ANTENNAS, (4) PER SECTOR (12 TOTAL) TO BE INSTALLED UPON THE ANTENNA MOUNTS AT A 147' CENTERLINE AND ALIGNED TO 20'-100'-290' (REFER TO VZW RF CONFIGURATION SHEETS FOR DOWNTILTS AND ADDITIONAL INFORMATION). THE CONTRACTOR WILL NEED TO INSTALL A VALMONT QMSP-496 ANTENNA PLATFORM WITH HANDRAIL KIT #800083 (PLATFORM IS SUPPLIED WITH (12) 2-3/8" BY

5 8'-0" TALL MOUNTING PIPES. THE CONTRACTOR WILL ALSO BE REQUIRED TO INSTALL (6) RRH'S AND (2) RAYCAP DB-B1
OVP BOXES UPON THE ANTENNA PLATFORM, ALONG WITH INSTALLING (2) RUNS OF 6x12 HYBRIFLEX CABLE FROM THE OVP BOXES WITHIN THE EQUIPMENT SHELTER TO THE OVP BOXES AT THE ANTENNAS, THEN (1) 1x1 HYBRIFLEX FROM THE ANTENNA LEVEL OVP BOXES TO EACH RRH. NOTE THAT THE CONTRACTOR NEEDS TO CONFIRM THE DIAMETER OF THE TOP OF THE POLE BEFORE ORDERING, THE QMSP MOUNT WILL MOUNT TO A 4'-6"Ø MAXIMUM.

VZW CONTRACTOR TO INSTALL (2) 6'Ø MICROWAVE DISHES 6 (HEIGHT, AND AZIMUTH TO BE DETERMINED DURING CONSTRUCTION).





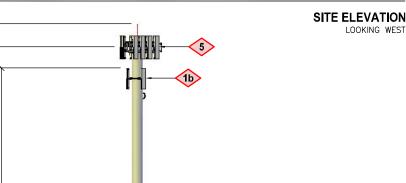
ANTEN

PF

CENTERLINE

OF

OF





LOOKING NORTH

**VERIZON WIRELESS** 9656 SOUTH PROSPERITY ROAD WEST JORDAN, UTAH 84088

**TAEC** 

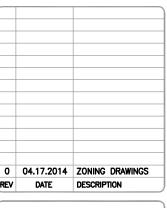
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DRAWN BY: JAY C CHECKED BY: DANIEL T



SAL - RULON NW SEC 36, T7N, R2W 2367 N RULON WHITE BLVD OGDEN, UTAH 84404 - SITE CO-LOCATION -

SHEET TITLE

SITE ELEVATIONS

C200



SITE ELEVATION NORTHEAST VIEW