



PRO WALMART PAYSON

1052 S. TURF FARM ROAD


PAYSON, UT 84651

UTAH COUNTY

SMALL CELL INSTALLATION PROJECT


DESIGNED BY:

DESIGNED FOR:



9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84081

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AZ - CA - CO - ID - NM - NV - TX - UT

REV	DESCRIPTION	DATE	BY	CHK
A	PRELIMINARY – NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

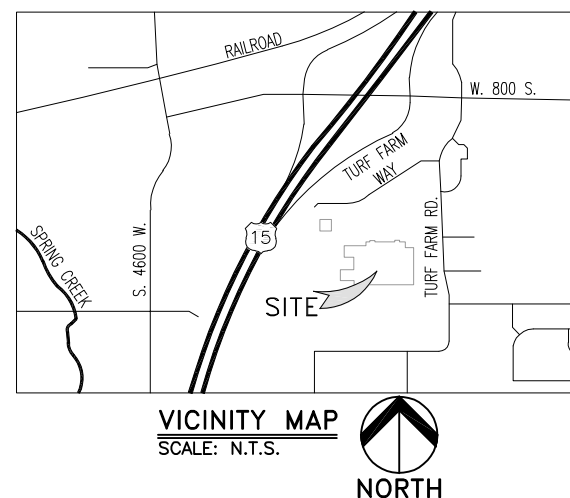
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PROJECT INDEX:
APPLICANT: VERIZON WIRELESS 9656 SOUTH PROSPERITY ROAD WEST JORDAN, UT 84081
CONTACT: BILLY WALDRIDGE PHONE: 385-707-7043
ENGINEERS/DESIGNERS: TOWERCOM TECHNOLOGIES LLC 2875 S. DECKER LAKE DR. SUITE 165 WEST VALLEY CITY, UT 84119
CONTACT: JOSH MALBERG PHONE: 801-336-4694 EXT. 170
SURVEYOR: CIS PROFESSIONAL LAND SURVEYING 295 NORTH 200 EAST MONA, UTAH 84645
CONTACT: CORY SQUIRE, PLS PHONE: 435-660-0816
SITE/AQ: TECHNOLOGY ASSOCIATES 5710 GREEN STREET SALT LAKE CITY, UT 84123
CONTACT: DAKOTA HAWKS PHONE: 801-651-4769
FCC COMPLIANCE:
RADIATION FROM THIS FACILITY WILL NOT INTERFERE WITH OPERATION OF OTHER COMMUNICATION DEVICES.

<u>GENERAL PROJECT NOTES:</u>	
1.	PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE SCOPE OF WORK AND ALL CONDITIONS AFFECTING THE NEW PROJECT.
2.	CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS OF THE JOB SITE AND CONFIRM THAT WORK AS INDICATED ON THESE CONSTRUCTION DOCUMENTS CAN BE ACCOMPLISHED AS SHOWN PRIOR TO COMMENCEMENT OF ANY WORK.
3.	ALL FIELD MODIFICATIONS BEFORE, DURING, OR AFTER CONSTRUCTION SHALL BE APPROVED IN WRITING BY A VERIZON WIRELESS REPRESENTATIVE.
4.	INSTALL ALL EQUIPMENT AND MATERIALS PER THE MANUFACTURER'S RECOMMENDATIONS, U.N.O.
5.	NOTIFY VERIZON WIRELESS, IN WRITING, OF ANY MAJOR DISCREPANCIES REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND DESIGN INTENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM A VERIZON WIRELESS REPRESENTATIVE AND ADJUSTING THE BID ACCORDINGLY.
6.	CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK UNDER THE CONTRACT.
7.	CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS AND FINISHES THAT ARE TO REMAIN. CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY OCCUR DURING THE CONSTRUCTION TO THE SATISFACTION OF A VERIZON WIRELESS REPRESENTATIVE.
8.	THE CONTRACTOR IS RESPONSIBLE FOR RED-LINING THE CONSTRUCTION PLANS TO ILLUSTRATE THE AS BUILT CONDITION OF THE SITE. FOLLOWING THE FINAL INSPECTION BY VERIZON WIRELESS, THE CONTRACTOR SHALL PROVIDE VERIZON WIRELESS WITH ONE COPY OF ALL RED-LINED DRAWINGS.
9.	VERIFY ALL FINAL EQUIPMENT WITH A VERIZON WIRELESS REPRESENTATIVE. ALL EQUIPMENT LAYOUT, SPECS, PERFORMANCE INSTALLATION AND THEIR FINAL LOCATION ARE TO BE APPROVED BY VERIZON WIRELESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS/HER WORK WITH THE WORK AND CLEARANCES REQUIRED BY OTHERS RELATED TO SAID INSTALLATIONS.

<u>DRIVING DIRECTIONS:</u>	
LATITUDE:	40°01'39.61162" N
LONGITUDE:	111°45'22.89008 W
<p>FROM THE VERIZON WIRELESS OFFICE LOCATED ON 9656 PROSPERITY RD, WEST JORDAN, UT 84081 DEPART TOWARD WEST 9790 SOUTH (0.7MI). TURN LEFT ONTO WEST OLD BINGHAM HIGHWAY (0.4MI). TURN RIGHT ONTO UT-85 SOUTH/MOUNTAIN VIEW (3.5MI). TURN LEFT ONTO WEST 12600 SOUTH (1.1MI). TURN RIGHT ONTO UT-154 SOUTH/BANGERTER HIGHWAY (2.5MI). KEEP STRAIGHT ONTO UT-154 EAST/BANGERTER HIGHWAY (3.6MI). TAKE RAMP RIGHT FOR I15 SOUTH TOWARD PROVO (40.8MI). AT EXIT 248, TAKE RAMP RIGHT AND FOLLOW SIGNS FOR UT-178 EAST (0.4MI). TURN LEFT ONTO UT-178/WEST 800 SOUTH (0.2MI). TURN RIGHT ONTO TURF FARM ROAD (0.1MI). TURN RIGHT ONTO TURN FARM WAY (0.2MI). ARRIVE AT 40°01'40.33" NORTH, 111°45'26.03" WEST.</p>	
<u>PROJECT DESCRIPTION:</u>	
THIS PROJECT CONSISTS OF THE FOLLOWING:	
<u>INSTALLATION</u>	
<ul style="list-style-type: none"> ▪ ONE (1) NEW OUTDOOR EQUIPMENT CABINET ▪ ONE (1) NEW OMNI ANTENNA ▪ ONE (1) NEW NON-PENETRATING ROOF MOUNT ▪ ONE (1) NEW RRH UNIT ▪ ONE (1) NEW MOVP UNIT ▪ ONE (1) NEW HYBRID CABLE 	

<u>PROJECT INFORMATION:</u>	
PROPERTY OWNER:	WAL-MART REAL ESTATE BUSINESS TRUST MAIL STOP 0555 PO BOX 8050 BENTONVILLE, AR 72716-8050
JURISDICTION:	CITY OF LAYTON PUBLIC WORKS DEPARTMENT 437 N. WASATCH DR LAYTON, UTAH 84041 CONTACT: PETER MATSON PHONE: 801-336-3780
PUBLIC RECORD PARCEL NO:	49:483:0001



<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	
<p>PROJECT NAME:</p> <p>PRO WALMART PAYSON SMALL CELL INSTLLATION PROJECT</p>	
<p>PROJECT ADDRESS:</p> <p>1052 S. TURF FARM ROAD PAYSON, UT 84651 UTAH COUNTY</p>	
<p>SHEET TITLE:</p> <p>TITLE SHEET</p>	
<p>SAVE DATE:</p> <p>10/19/2016 3:59 PM</p>	
<p>SHEET NUMBER:</p> <p>T1</p>	

GENERAL PROJECT NOTES:

1.	CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY BARRIERS AND REPAIR ALL DAMAGE TO PROPERTY ON THE SITE CAUSED BY THIS CONSTRUCTION. THE COST OF REPAIR IS THE CONTRACTOR'S RESPONSIBILITY.
2.	ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
3.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING ANY MATERIALS OR CONDUCTING ANY WORK.
4.	EXCESS SOIL MATERIAL AND DEBRIS CAUSED BY THIS CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
5.	CONTRACTOR SHALL MAKE ADJUSTMENTS TO GRADING ELEVATIONS AS NECESSARY TO ENSURE A SITE FREE OF DRAINAGE PROBLEMS.
6.	CONTRACTOR SHALL COORDINATE A CONSTRUCTION LAYDOWN AREA WITH THE PROPERTY OWNER. CONSTRUCTION LAYDOWN AREA SHALL BE FENCED-IN WITH TEMPORARY (45 DAY) CONSTRUCTION FENCE. THE TEMPORARY FENCE SHALL BE CONSTRUCTED OF 6' HIGH CHAIN LINK FABRIC AND IS TO BE REMOVED AT THE END OF CONSTRUCTION. LAYDOWN AREA IS TO BE RESTORED TO ITS ORIGINAL CONDITION AFTER FENCE REMOVAL.
7.	SURVEY INFORMATION SHOWN WAS CREATED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A LEGAL BOUNDARY SURVEY.
8.	THESE PLANS DO NOT ADDRESS THE SAFETY AND STABILITY OF THE STRUCTURE DURING ASSEMBLY AND ERECTION, WHICH ARE THE RESPONSIBILITY OF THE ERECTOR, BASED ON THE MEANS AND METHODS CHOSEN BY THE ERECTOR.
9.	NEW EQUIPMENT COMPOUND SHALL BE COVERED W/ 4" CRUSHED ROCK INSTALLED OVER CLIENT-APPROVED WEED BARRIER MATERIAL (IF APPLICABLE).

GENERAL CONTRACTOR NOTES:

1.	<p>THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE PROJECT SCOPE OF WORK DEFINED UNDER THE REQUEST FOR PROPOSAL (RFP) FOR THIS PROJECT AND ALL ASSOCIATED ATTACHMENTS AND DOCUMENTS PROVIDED.</p> <p>THE RFP AND ALL ASSOCIATED DOCUMENTS SHALL DEFINE THE COMPLETE PROJECT SCOPE OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL DOCUMENTS AND IS SOLELY RESPONSIBLE FOR ALL WORK.</p> <p>ALL DOCUMENTS INCLUDED WITHIN THE PROJECT REQUEST FOR PROPOSAL ARE REQUIRED FOR THE COMPLETE PROJECT SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK (EQUIPMENT, MATERIAL, INSTALLATION, TESTING, ETC.) INDICATED IN ALL DOCUMENTS. THE RFP, VERIZON WIRELESS NETWORK STANDARDS AND PROJECT ADDENDUMS AND CLARIFICATIONS ARE COMPLEMENTARY TO EACH OTHER. THE FORMAT OF THE SPECIFICATIONS AND DRAWING NUMBERING PER DISCIPLINE IS NOT INTENDED TO IMPLY SEGREGATION OF SUB CONTRACTOR WORK. CONTRACTOR SHALL ASSIGN ALL SUB CONTRACTOR WORK AND VERIZON WIRELESS WILL NOT ACCEPT ANY CHANGE ORDERS FOR INTERNAL CONTRACTOR WORK ASSIGNMENTS.</p> <p>CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTING ALL RFP DOCUMENTS TO THEIR SUB CONTRACTORS. ALL RFP DOCUMENTS ARE REQUIRED TO INDICATE THE PROJECT SCOPE OF WORK. PARTIAL SUB CONTRACTOR DOCUMENT PACKAGES ARE HIGHLY DISCOURAGED.</p> <p>IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, REFERENCED STANDARDS, VERIZON WIRELESS STANDARDS, OR AGREEMENT TERMS AND CONDITIONS THE ARCHITECT/ ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE DETAILED AND EXTENSIVE INTERPRETATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECT/ ENGINEER INTERPRETATIONS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO VERIZON WIRELESS.</p>
2.	ALL ANTENNAS MUST BE PIM TESTED WITHIN 48 HOURS OF THEM BEING RECEIVED BY THE INSTALLATION CONTRACTOR. THOSE RESULTS MUST BE SENT BACK TO THE VERIZON WIRELESS CONSTRUCTION ENGINEER AND EQUIPMENT ENGINEER WITHIN THE SAME 48 HOURS. IF YOU MISS THE 48HR TIMELINE AND THE ANTENNAS DO NOT PASS UPON INSTALLATION, YOUR COMPANY WILL BE CHARGED FOR THE COST OF THE ANTENNAS FOR REPLACEMENT.
3.	ALL LOADS MUST BE SECURED PROPERLY TO THE VEHICLE OR TRAILER. VERIZON WIRELESS WILL PASS ALONG THE COST OF ANY REPLACEMENTS DUE TO DAMAGE OR LOSS WHETHER IT IS NEW OR USED.

STRUCTURAL DESIGN CRITERIA:

ALL LOADS DERIVED FROM REQUIREMENTS OF INTERNATIONAL BUILDING CODE 2015, ASCE 7-10, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" & ANSI TIA-222-G "STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS".	
BUILDING STRUCTURES:	
1.	WIND LOADS: IBC 2015 §1609 & ASCE 7-10 §28.5 (SIMPLIFIED METHOD) $V_{ult} = 115 \text{ MPH}$ OCCUPANCY CAT. = II; EXPOSURE CAT. = C; IMPORTANCE FACTOR = 1.0
2.	SEISMIC LOADS: IBC 2015 §1613 & ASCE 7-10 §12.14 (SIMPLIFIED METHOD) OCCUPANCY CAT. = II; SITE CLASS = D $V = \frac{F(S_{ps})W}{R}$ F = 1.0 (SINGLE-STORY), 1.1 (TWO STORY), 1.2 (THREE STORY) $S_{ps} = (2/3) S_{ms}$ R = 1.5 (ORDINARY PLAIN CONCRETE SHEARWALLS), 6.5 (LIGHT-FRAMED WALLS W/ WOOD STRUCTURAL PANELS), 4.0 (ORDINARY REINFORCED CONCRETE SHEARWALLS)
COMMUNICATIONS STRUCTURES:	
1.	WIND LOADS: IBC 2015 §1609, ASCE 7-10 §29.5 & ANSI TIA-222-G $V = 115 \text{ MPH (ULTIMATE)}$ $V = 40 \text{ MPH } (\frac{1}{4}" \text{ RADIAL ICE})$ STRUCTURE CLASS. = II; EXPOSURE CAT. = C; IMPORTANCE FACTOR = 1.0
2.	SEISMIC LOADS: IBC 2015 §1613, ASCE 7-10 §15.6.6 & ANSI TIA-222-G STRUCT. CLASS. = II; OCC. CAT. = II; SITE CLASS = D; IMPORTANCE FACTOR = 1.0 $V = \frac{S_{ds}(W)}{R}$ (EQUIVALENT LATERAL FORCE PROCEDURE (METHOD 1)) $V = \frac{\sum S_{oz}(W_z)}{R}$ (EQUIVALENT MODAL ANALYSIS PROCEDURE (METHOD 2))

STEEL NOTES:

1.	ALL STEEL SHALL BE GALVANIZED PER ASTM A123 & CONFORM TO THE FOLLOWING MINIMUM SPECS.: HSS SHAPES (TUBE) ASTM A500, GR. B (46 KSI) HSS SHAPES (ROUND) ASTM A500, GR. B (42 KSI) W-SHAPES ASTM A992, (50 KSI) CHANNELS, ANGLES & PLATES ASTM A36
2.	ALL BOLTS SHALL BE GALVANIZED PER ASTM A153 AND CONFORM TO ASTM A325 U.N.O. ALL BOLTED CONNECTIONS SHALL BE EQUIPPED WITH AN APPROVED NUT-LOCKING DEVICE.
3.	ALL WELDING WORK SHALL CONFORM TO THE AWS D1.1 STRUCTURAL WELDING CODE. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS ONLY. WELDING ELECTRODES SHALL BE E70XX.
4.	ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECS AND CODES, LATEST EDITION.
5.	AT HIS OWN DISCRETION, THE CONTRACTOR MAY SUBMIT DETAILED, ENGINEERED, COORDINATED AND CHECKED SHOP DRAWINGS FOR ALL STRUCTURAL STEEL TO THE ENGINEER OF RECORD TO REVIEW FOR COMPLIANCE WITH DESIGN INTENT PRIOR TO THE START OF FABRICATION AND/OR ERECTION. TOWERCOM IS ABSOLVED OF ALL LIABILITY ASSOCIATED WITH THE MISINTERPRETATION OF THE CONSTRUCTION DOCUMENTS IF CONTRACTOR CHOOSES NOT TO SUBMIT SHOP DRAWINGS.
6.	TORCH-CUTTING OF ANY KIND SHALL NOT BE PERMITTED.
7.	ALL BOLTS SHALL BE TIGHTENED TO AISC SNUG TIGHT REQUIREMENTS. THE SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.

ANTENNA, MOUNTS & HARDWARE INSTALLATION NOTES:

1.	CONTRACTOR TO INSTALL ANTENNAS, MOUNTS AND TOWER HARDWARE PER MANUFACTURER'S RECOMMENDATIONS (OR AS REQUIRED BY THE OWNER/PROVIDER).
2.	ALL BOLTS SHALL BE TIGHTENED PER AISC REQUIREMENTS (SEE STEEL NOTES).
3.	ANY GALVANIZED SURFACES THAT ARE DAMAGED BY ABRASIONS, CUTS, DRILLING OR FIELD WELDING DURING SHIPPING OR ERECTION SHALL BE TOUCHED-UP WITH TWO COATS OF COLD GALVANIZING COMPOUND MEETING THE REQUIREMENTS OF ASTM A780.
4.	ANTENNA MOUNTS SHALL NOT BE USED AS A CLIMBING DEVICE. WORKERS SHALL ALWAYS TIE OFF TO AN APPROVED CLIMBING POINT.
5.	SEE ALSO GENERAL ANTENNA NOTES ON SHEET RF1 (IF APPLICABLE).

EXCAVATION NOTES:

1.	PRIOR TO EXCAVATION, THE AREA SHALL BE CHECKED FOR ALL UNDERGROUND FACILITIES.
2.	EXCESS SOIL MATERIAL AND DEBRIS CAUSED BY CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
3.	CONTRACTOR SHALL DETERMINE THE MEANS AND METHODS TO SUPPORT THE EXCAVATION DURING CONSTRUCTION AND SHALL REFER TO THE GEOTECHNICAL INVESTIGATION REPORT (IF AVAILABLE) FOR RECOMMENDATIONS.
4.	ALL SOIL COMPACTION SHALL BE A MINIMUM OF 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557. CONTRACTOR TO COMPACT ALL SOIL INTENDED TO SUPPORT FOUNDATIONS AND FOOTINGS. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL INVESTIGATION REPORT (IF AVAILABLE) FOR RECOMMENDATIONS AND/OR MORE STRINGENT REQUIREMENTS.
5.	FOUNDATIONS SHALL BE PLACED ON FIRM UNDISTURBED, INORGANIC MATERIAL. LOCAL AREAS OF SOFT AND/OR UNACCEPTABLE MATERIAL ENCOUNTERED AT THE BOTTOM OF FOUNDATIONS MUST BE OVER-EXCAVATED AND BROUGHT UP TO DESIGN GRADE WITH COMPACTED "STRUCTURAL FILL". CONTRACTOR SHALL REFER TO THE GEOTECHNICAL INVESTIGATION REPORT (IF AVAILABLE) FOR RECOMMENDATIONS.

CONCRETE NOTES:


1.	ALL CONCRETE SHALL BE IN ACCORDANCE WITH CHAPTER 19 OF THE IBC & ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", LATEST EDITION & HAVE THE FOLLOWING PROPERTIES: A. MINIMUM 28-DAY COMPRESSIVE STRENGTH (f'c) OF 4,000 PSI. B. CEMENT SHALL BE "LOW-ALKALI" TYPE IIA (MODERATE SULFATE RESISTANCE, AIR ENTRAINING) CONFORMING TO ASTM C150. C. MAXIMUM WATER/CEMENT RATIO OF 0.45 AND AIR-ENTRAINED 4% TO 7%. D. CONCRETE PROPORTIONING SHALL BE DESIGNED BY AN APPROVED LABORATORY. TOLERANCES IN ACCORDANCE WITH ACI 117. COPIES OF CONCRETE MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO PLACEMENT. E. ALL AGGREGATE USED IN CONCRETE SHALL CONFORM TO ASTM C33. USE ONLY AGGREGATES KNOWN NOT TO CAUSE EXCESSIVE SHRINKAGE. MAXIMUM AGGREGATE SIZE TO BE 1½". F. MAXIMUM SLUMP: 3" (FOUNDATION, FOOTING, SLAB), 4" (WALL, COLUMN, BEAM)
2.	FORMWORK FOR CONCRETE SHALL CONFORM TO ACI 347. TOLERANCES FOR FINISHED CONCRETE SURFACES SHALL MEET CLASS-C REQUIREMENTS. IN NO CASE SHALL FINISHED CONCRETE SURFACES EXCEED THE FOLLOWING VALUES AS MEASURED FROM NEAT PLAN LINES AND FINISHED GRADES: ± ¼" VERTICAL, ± 1" HORIZONTAL.
3.	CHAMFER ALL EXPOSED CORNERS AND FILLET ENTRANT ANGLES ¾" U.N.O.
4.	CONCRETE FINISHING: A. FLOORS: CONCRETE FLOOR SLABS SHALL BE FINISHED IN ACCORDANCE WITH ACI 302.1 CHAPTER 8. PROVIDE CLASS 4 FINISH U.N.O. PROVIDE NON-SLIP FINISH FOR EXTERIOR SURFACES. B. OTHER SURFACES: CONCRETE SURFACES SHALL BE FINISHED IN ACCORDANCE WITH ACI 301 SECTIONS 5.3, 6.3, AND 7.3. PROVIDE ROUGH FINISH FOR ALL SURFACES NOT EXPOSED TO VIEW AND SMOOTH FINISH FOR ALL OTHERS, U.N.O.
5.	A MINIMUM OF ONE (1) SET OF CONCRETE CYLINDERS SHALL BE TAKEN (IF REQUIRED BY SPECIAL INSPECTIONS ON SHEET IN1). EACH SET SHALL CONSIST OF THREE (3) CYLINDERS. ONE (1) SHALL BE TESTED AT 7 DAYS, TWO (2) SHALL BE TESTED AT 28 DAYS. ALL CYLINDERS SHALL BE TAKEN, PREPARED AND TESTED BY A TESTING LAB IN ACCORDANCE WITH ASTM C172, C31 AND C39.

DESIGNED FOR:

verizonwireless

9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84081

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				DATE	10/19/16	UGP			
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PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NAME:

PRO WALMART PAYSON
SMALL CELL INSTLLATION PROJECT

PROJECT ADDRESS:

1052 S. TURF FARM ROAD
PAYSON, UT 84651
UTAH COUNTY

SHEET TITLE:

SPECIFICATION SHEET

SAVE DATE:

10/19/2016 3:59 PM

SHEET NUMBER:

SP1



VIEW OF EXISTING BUILDING
(LOOKING SOUTH)

LEGEND OF SYMBOLS:

REFERENCE LETTER
OR NUMBER

SECTION OR DETAIL

SCALE:

SHEET WHERE DRAWN

SHEET WHERE TAKEN

SECTION LETTER

SHEET WHERE DRAWN

SHEET WHERE TAKEN

DETAIL NUMBER

SHEET WHERE DRAWN

SHEET WHERE TAKEN

⌀

CENTERLINE

d

PENNY

EQUIPMENT OR
FIXTURE NUMBER

KEYED NOTE

T.C. 1631.33
F.L. 1631.00

SPOT ELEVATION

TOP OF WALL
1639.00

CONTROL OR DATUM POINT

PROPERTY LINE

EXISTING CONTOUR

NEW CONTOUR

ROUND/DIAMETER

APPROXIMATELY

DESIGNED FOR:

verizon

wireless

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DESIGNED BY:

TowerCom

TECHNOLOGIES

AZ - CA - CO - ID - NM - NV - TX - UT

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A	PRELIMINARY - NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

NEW VERIZON WIRELESS 10'-0"x10'-0"
LEASE AREA "1" (49 SQ. FT.)



VIEW OF NEW LEASE AREA "1"
(LOOKING EAST)

NEW VERIZON WIRELESS 7'-0"x7'-0"
LEASE AREA "2" (49 SQ. FT)



VIEW OF NEW LEASE AREA "2"
(LOOKING WEST)

PRELIMINARY
NOT FOR CONSTRUCTION

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PRO WALMART PAYSON
SMALL CELL INSTLLATION PROJECT

PROJECT ADDRESS:

1052 S. TURF FARM ROAD
PAYSON, UT 84651
UTAH COUNTY

SHEET TITLE:

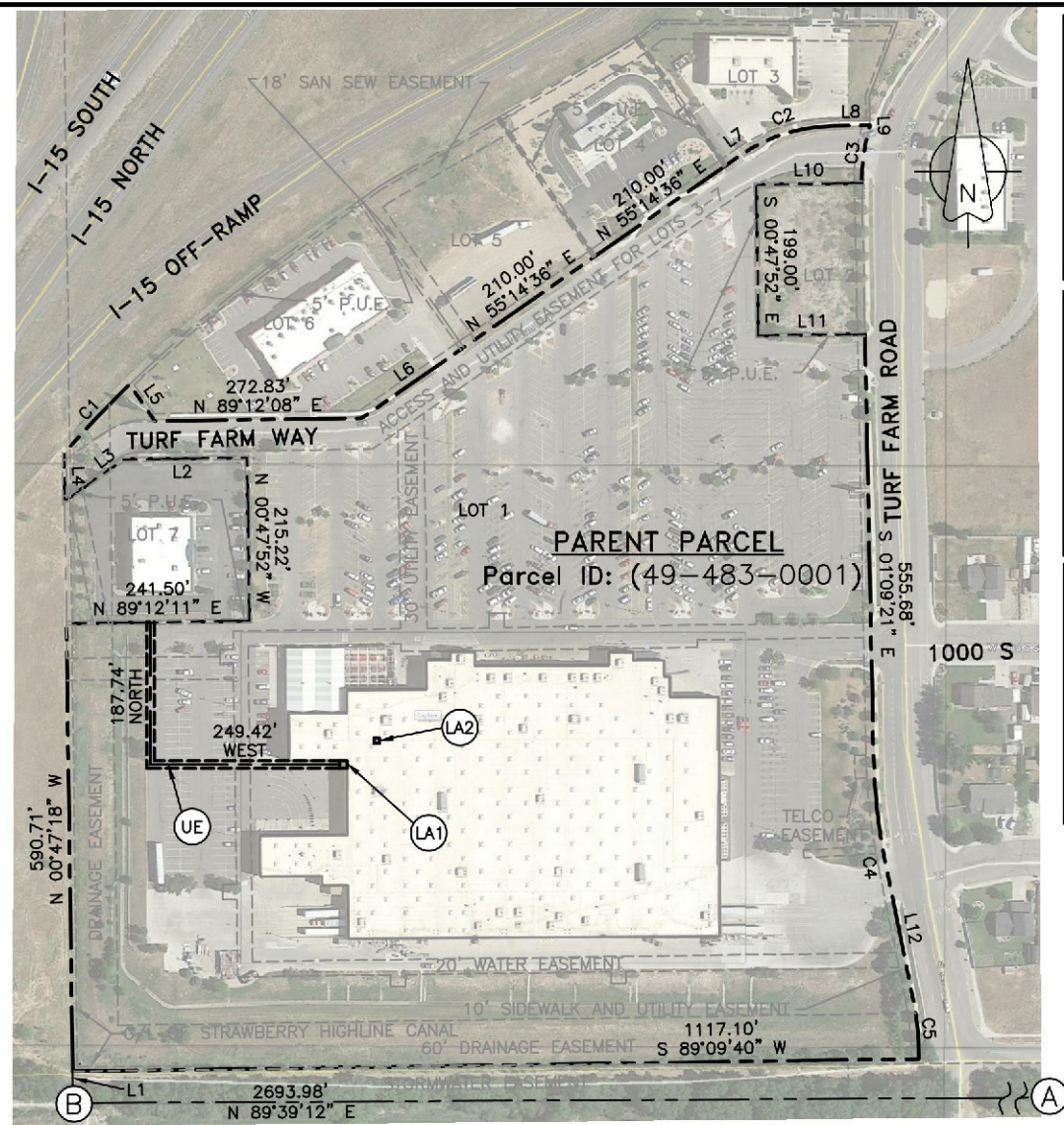
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SAVE DATE:

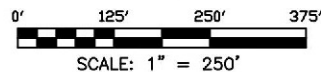
10/19/2016 3:59 PM

SHEET NUMBER:

PS1



PARENT PARCEL AND SURVEY CONTROL OVERVIEW



A parcel of land (10' X 10') for the purpose of a telecommunications equipment lease area, situate within the corporate limits of Payson City, Utah County, Utah, said lease parcel comprising a portion of Lot 1, Payson retail Subdivision; more particularly described by metes and bounds as follows:
Beginning at a corner of a building that is 361.56 feet N 89°39'12" E along the Section line and 449.96 feet North of the South 1/4 Corner of Section 18, Township 9 South, Range 2 East, Salt Lake Base and Meridian; thence South 10.00 feet along the wall, thence West 10.00 feet, thence North 10.00 feet to the wall of said building, thence East 10.00 feet along said wall to the point of beginning.
The above described parcel of land contains 100 square feet in area or .0023 of an acre more or less.

LA1 LEASE AREA 1 DESCRIPTION

A (7' X 7') parcel located on the rooftop of a commercial building for the purpose of a telecommunications equipment lease area, situate within the corporate limits of Payson City, Utah County, Utah, said lease parcel comprising a portion of Lot 1, Payson retail Subdivision; more particularly described by metes and bounds as follows:
Beginning 404.14 feet N 89°39'12" E along the section line and 480.29 feet North of the South 1/4 Corner of Section 18, Township 9 South, Range 2 East, Salt Lake Base and Meridian; thence South 7.00 feet, thence West 7.00 feet, thence North 7.00 feet, thence East 7.00 feet to the point of beginning.
The above described parcel of land contains 49 square feet in area or .00112 of an acre more or less.

LA2 LEASE AREA 2 DESCRIPTION

A 10' wide strip of land for the purpose of serving a telecommunications equipment lease area, situate within the corporate limits of Payson City, Utah County, Utah, said lease parcel comprising a portion of Lot 1, Payson retail Subdivision; the centerline of said strip of land is more particularly described by metes and bounds as follows:
Beginning at a point that is 351.56 feet N 89°39'12" E along the Section line and 445.02 feet North of the South 1/4 Corner of Section 18, Township 9 South, Range 2 East, Salt Lake Base and Meridian; thence West 249.42 feet, thence North 187.74 North to the parcel boundary and terminus of said centerline.
The above described strip of land contains 4371.6 square feet in area or 0.100 of an acre more or less.

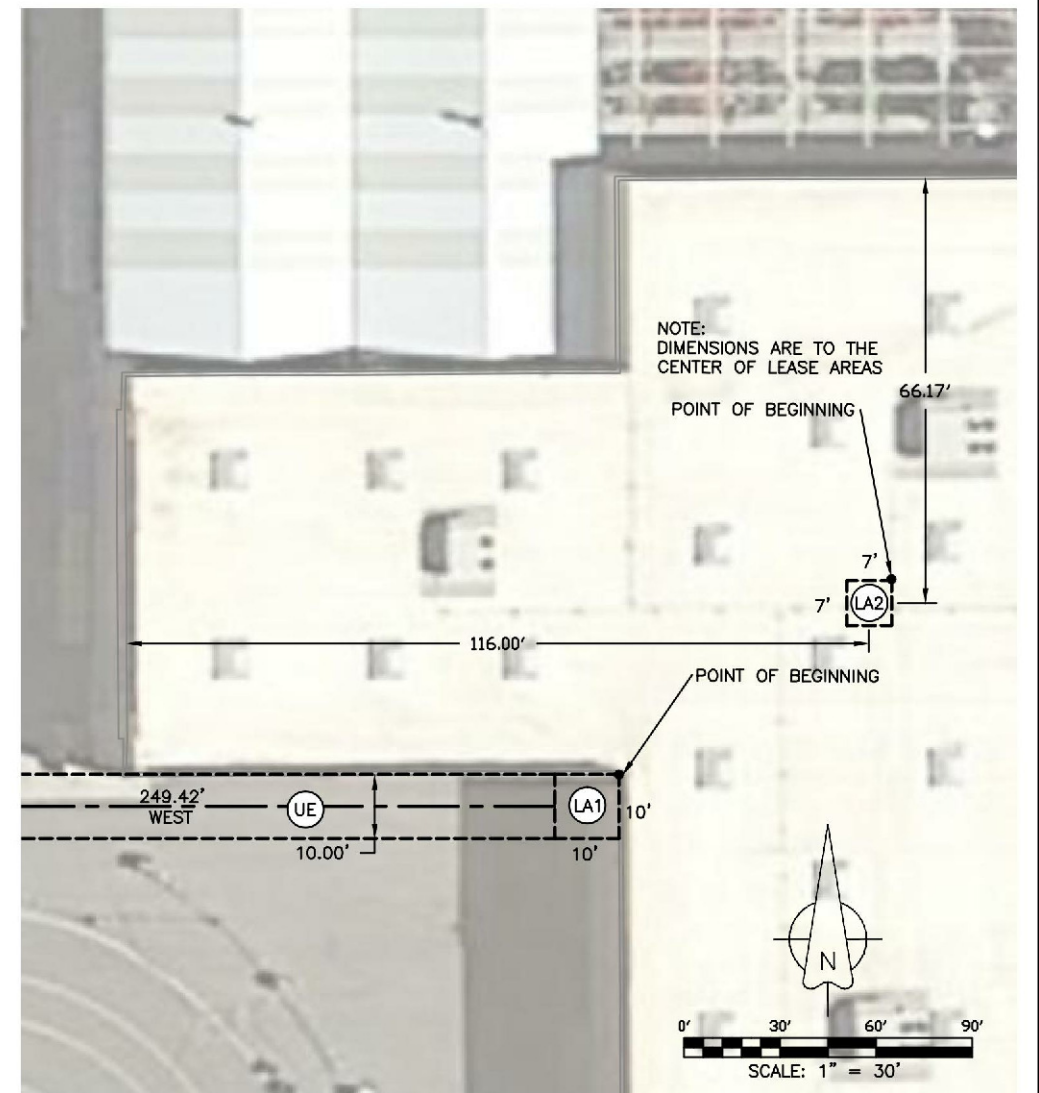
UE UTILITY EASEMENT LAND DESCRIPTION

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	124.94'	1692.89'	4°13'43"	N 43°42'42" E	124.91'
C2	130.39'	220.00'	33°57'29"	N 72°13'22" E	128.49'
C3	75.96'	238.00'	18°17'13"	S 07°58'20" W	75.64'
C4	142.29'	788.00'	10°20'46"	S 06°19'45" E	142.10'
C5	76.60'	362.00'	12°07'28"	S 05°26'24" E	76.46'

LINE	BEARING	DISTANCE
L1	N 00°47'18" W	42.70'
L2	S 89°12'08" W	163.56'
L3	S 54°43'40" W	94.52'
L4	N 00°47'18" W	63.32'
L5	S 34°45'24" E	58.96'
L6	N 55°14'36" E	163.71'
L7	N 55°14'36" E	23.60'
L8	N 89°12'08" E	49.23'
L9	S 01°18'20" E	1.25'
L10	S 89°12'08" W	139.46'
L11	N 89°12'08" E	140.70'
L12	S 11°30'09" E	186.82'

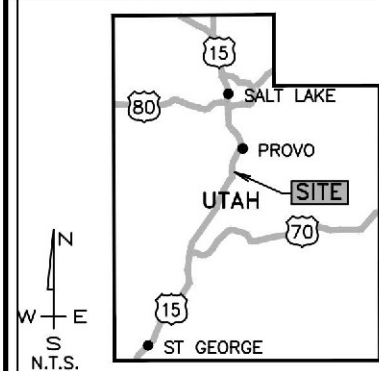
KEYED NOTES

- A FOUND REFERENCE MONUMENT TO ESTABLISH A POSITION ON THE SOUTHEAST CORNER OF SECTION 18, TOWNSHIP 9 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN. [HELD FOR ORIGIN OF SURVEY]
- B FOUND REFERENCE MONUMENT TO ESTABLISH THE SOUTH 1/4 CORNER OF SECTION 18, TOWNSHIP 9 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN. [HELD FOR ALIGNMENT]

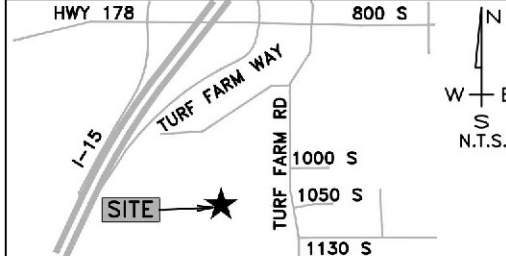


ENLARGED LEASE AREA SITE PLAN

REGIONAL MAP:



VICINITY MAP:



FEMA PUBLIC FLOOD MAP INFO:

ZONE: C PANEL: 4955170460A DATE: 10/15/1982
FLOOD NOTE: AREAS OF MINIMAL FLOODING

PARENT PARCEL OWNER:

Wal-Mart Real Estate Trust
2001 S.E. 10th Street
Bentonville, Arkansas 72716

CONTACT INFORMATION:
Dustin Haight
(801)465-8246

PUBLIC RECORD PARCEL I.D.:

49-483-0001

SURVEYOR'S NARRATIVE:

It is the intent of this map and the survey on which it is based to correctly represent the boundary lines of the Parent Parcel and proposed lease areas and Access/Utility easements within the parent parcel. Utility locations shown are based on observed evidence together with evidence from utility plans (if provided by utility companies in response to an Online Survey Locate Request via www.bluestakes.org). Property corners and other survey markers, monuments or evidence that were found at the time of this survey are drawn and noted accordingly hereon. There may however exist other related monuments or evidence, any other monuments or related physical evidence contradictory to this survey should be presented to the surveyor for his review and consideration.

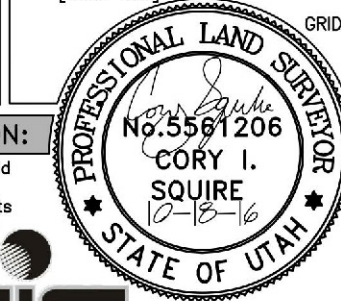
SURVEYOR'S NOTE & CERTIFICATION:

This "Lease Area Survey" is based on an actual field survey performed by me or under my direction. It correctly depicts existing, readily visible improvements and above ground utilities and the boundary of the parent parcel was verified from field and record information. This "Lease Area Survey" is not a Boundary Survey of the Parent Parcel and this Survey was developed to support the communications facility plan set named hereon.

BASIS OF BEARING AND DATUM NOTE:

- 1.) All distances are surface (ground) in US survey feet and all bearings are Grid based upon the Utah Coordinate System 1983, Utah Central Zone. (NAD83)
- 2.) Survey Performed with a Trimble receiver connected via cell phone to The Trimble Pivot VRS system of Utah (Managed by the UTAH AGRC).
Geodetic Position of Control Monument is:
LATITUDE: 40°01'36.24075"N (REFERENCE)
LONGITUDE: 111°44'56.25647"W (CORNER)
ELLIPSOID HEIGHT: 4603.687sft
(NOT 1A COORDINATES - SEE SEPARATE CERTIFICATION)
HORZ. DATUM NAD83 VERT. DATUM NAVD88
[UTAH VRS] [GEOID12]

GRID POSITION (SURVEY FT)
NORTHING: 7178558.430sft
EASTING: 1570701.210sft
ELEVATION: 4660.940sft



Mona, UT (435)660-0816
cory@cispls.com
CORY IVAN SQUIRE UT P.L.S. #5561206-2203 10/18/16

PROJECT NAME:

VERIZON WIRELESS
WLMRT PAYSON SC

PROJECT ADDRESS:

1052 TURF FARM RD
PAYSON CITY
UTAH COUNTY
UTAH

TITLE REPORT REVIEW CERTIFICATION

THIS IS TO CERTIFY THAT THE LOCATABLE EASEMENTS LISTED IN SCHEDULE B PART II OF THAT CERTAIN COMMITMENT FOR TITLE INSURANCE ISSUED 05/06/16 BY STEWART TITLE GUARANTY COMPANY (FILE No. 01459-20497) HAVE BEEN REVIEWED BY THE SURVEYOR. IF ANY OF THOSE EASEMENTS AFFECT THE VERIZON WIRELESS PROPOSED LEASE AREA(S) THEY ARE PLOTTED AND NOTED ACCORDINGLY HEREON.

DATE OF SURV.: 7/7/16

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REV.	DESCRIPTION	DATE	BY	CHK
A	90% PRELIMINARY FOR CLIENT REVIEW ONLY	7-11-16	CIS	CIS
B	FINAL REVIEW AND SURVEYOR'S CERTIFICATION	7-18-16	KJC	CIS
C	REVISED LEASE AREA LOCATIONS ADDED UTILITY EASEMENTS	10-18-16	KJC	CIS

DESIGNED FOR:

verizonwireless

9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84081

DESIGNED BY:



ALBUQUERQUE / STAR / EL PASO / LAS VEGAS / DENVER
NEW MEXICO / IDAHO / TEXAS / NEVADA / COLORADO

SHEET TITLE:

SURVEY NOTES & REFERENCE
SURVEY CONTROL OVERVIEW
SITE PLAN OVERVIEW

TCT SITE I.D.: VZW WLMRT PAYSON SC

SHEET INFO.: Sheet 1 of 1 SU1

PREPARED FOR:



VERIZON WIRELESS
9656 South Prosperity Rd.
West Jordan, UT 84081

1A CERTIFICATION LETTER

FOR
VERIZON WIRELESS
FACILITY KNOWN AS:
WLMRT PAYSON SC
UTAH COUNTY, UTAH

ELEVATION REPORT:

NAVD88 - GROUND ELEVATION: 4663.85 ft
[ELEVATION METERS]: 1421.544 m

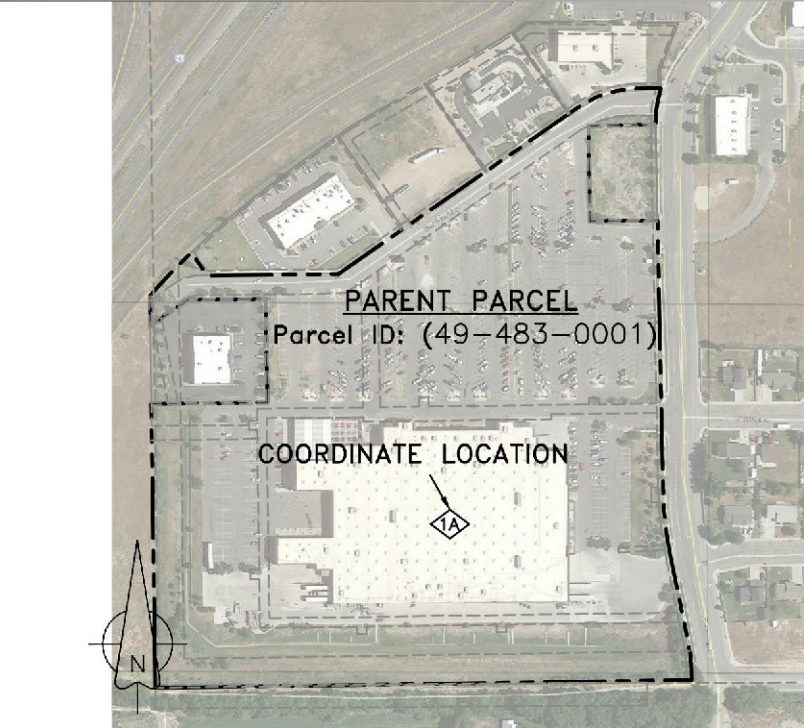
LEGAL DESCRIPTION:

621.67 feet N 89°39'12" e along the section line and 394.20 feet South of the South 1/4 Corner of Section 18, Township 9 South, Range 2 East, Salt Lake Base and Meridian.

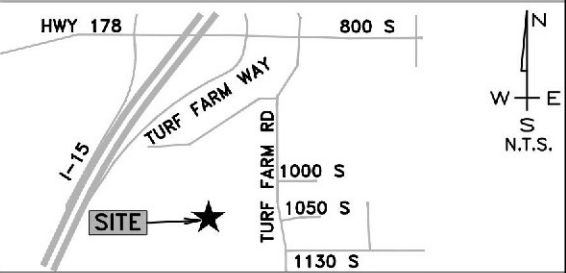
SITE LOCATION:

SITE IS LOCATED ON A WALMART AT:
1052 TURF FARM ROAD
PAYSON CITY,
UTAH COUNTY, UTAH.

PLAN VIEW: SCALE 1" = 400'



VICINITY MAP



BASIS OF GEODETIC COORDINATES:

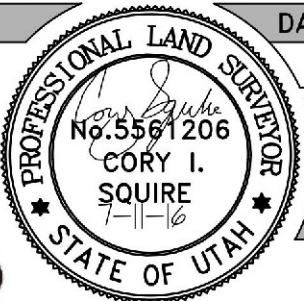
- (1) HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) [PRIMARY] EXPRESSED IN DEGREES (°) MINUTES (') AND SECONDS (") AND CARRIED TO THE 10,000TH OF A SECOND, AND ALSO EXPRESSED IN DEGREES AND DECIMAL DEGREES.
- (2) VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) EXPRESSED IN U.S. SURVEY FEET AND METERS (METER EQUIVALENT TO 39.37 INCHES).
- (3) NAD83 GEODETIC DATA SHOWN HEREON WAS DERIVED FROM AND IS TIED TO THE NATIONAL GEODETIC SURVEY, NATIONAL C.O.R.S. VIA THE O.P.U.S. UTILITY AND OR TRIMBLE GEOMATICS SOFTWARE.

1A GEODETIC COORDINATES:

NAD 83: 40°01'39.61162"N
111°45'22.89008"W
DECIMAL DEGREES: 40.027669895°N
111.756358356°W

SURVEYOR'S CERTIFICATION: DATE OF SURV.:

I HEREBY CERTIFY THAT THE GEO-
DETIC COORDINATES REPORTED
HEREON ARE ACCURATE AND
MEET FAA/FCC REPORTING RE-
QUIREMENTS OF 1A: FIFTEEN
FEET (15') HORIZONTALLY AND
THREE FEET (3') VERTICALLY.



7-7-16

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THE USE OF OUR CLIENT. ANY REPRODUCTION OR USE OF THE
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THE WRITTEN CONSENT BY TOWERCOM TECHNOLOGIES, LLC.

PREPARED BY:



PROFESSIONAL LAND SURVEYING

295 N 200 E
MONA, UT 84645

(435)660-0816

CORY IVAN SQUIRE UT P.L.S. #5561206-2201 7-11-16 CISPLS1@GMAIL.COM



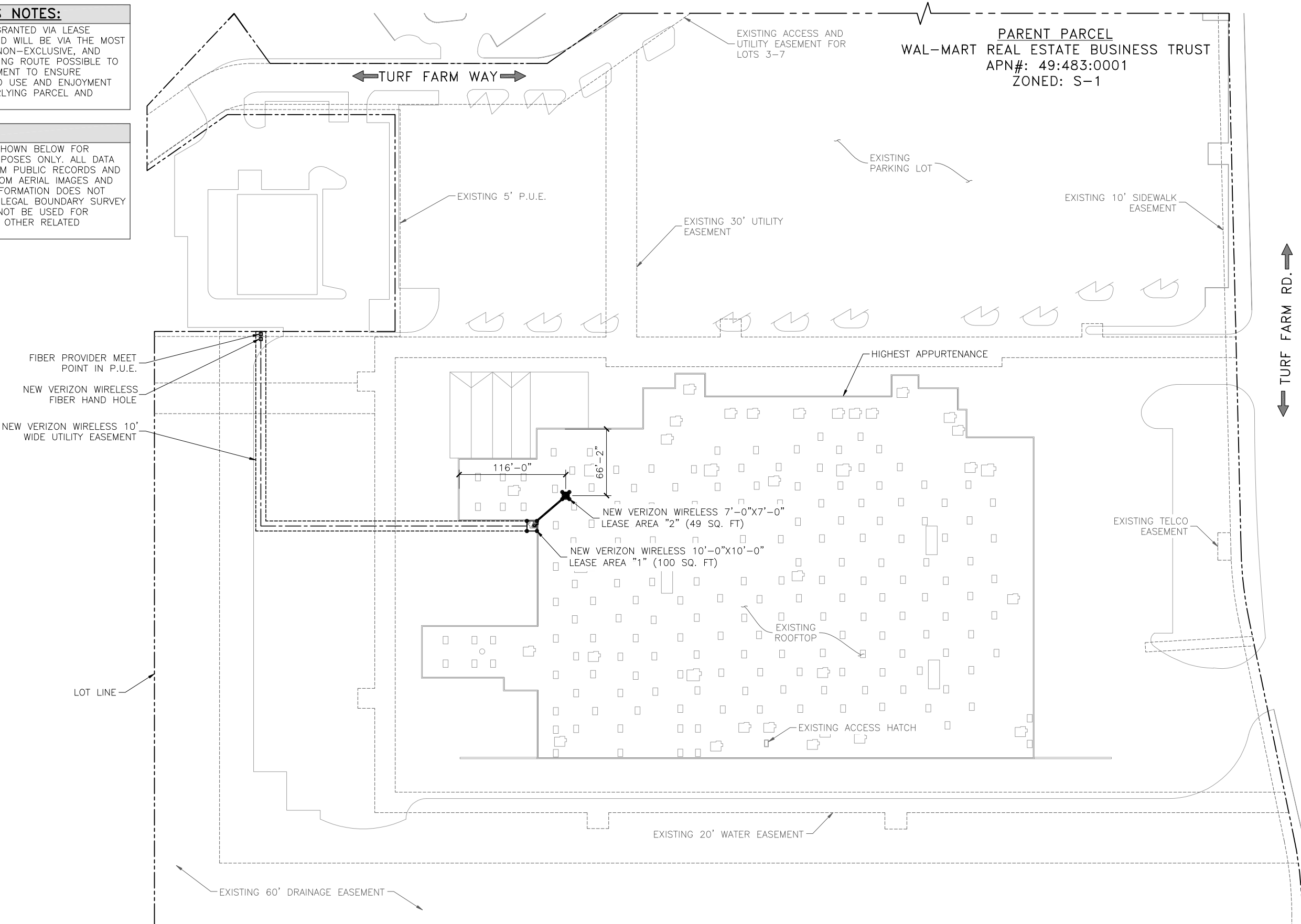
ALBUQUERQUE / STAR / EL PASO / LAS VEGAS / DENVER
NEW MEXICO / IDAHO / TEXAS / NEVADA / COLORADO

SITE ACCESS NOTES:

1 SITE ACCESS GRANTED VIA LEASE AGREEMENT AND WILL BE VIA THE MOST REASONABLE, NON-EXCLUSIVE, AND NON-INTERFERING ROUTE POSSIBLE TO LESSEE EQUIPMENT TO ENSURE UNINTERRUPTED USE AND ENJOYMENT OF THE UNDERLYING PARCEL AND BUILDINGS.

SITE NOTES:

1 INFORMATION SHOWN BELOW FOR DEPICTION PURPOSES ONLY. ALL DATA GATHERED FROM PUBLIC RECORDS AND GENERATED FROM AERIAL IMAGES AND SITE VISITS. INFORMATION DOES NOT CONSTITUTE A LEGAL BOUNDARY SURVEY AND SHOULD NOT BE USED FOR SURVEYING OR OTHER RELATED PURPOSES.



PARENT PARCEL
WAL-MART REAL ESTATE BUSINESS TRUST
APN#: 49:483:0001
ZONED: S-1

DESIGNED FOR:

verizonwireless

9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84081

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AZ - CA - CO - ID - NM - NV - TX - UT

DESIGNED BY:

REV	DESCRIPTION	DATE	BY	CHK
A	PRELIMINARY - NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NAME:

PRO WALMART PAYSON
SMALL CELL INSTILLATION PROJECT

PROJECT ADDRESS:

1052 S. TURF FARM ROAD
PAYSON, UT 84651
UTAH COUNTY

SHEET TITLE:

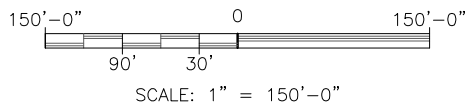
SITE PLAN

SAVE DATE:

10/19/2016 3:59 PM

SHEET NUMBER:

C1



SITE PLAN

SCALE: 1" = 100'-0"

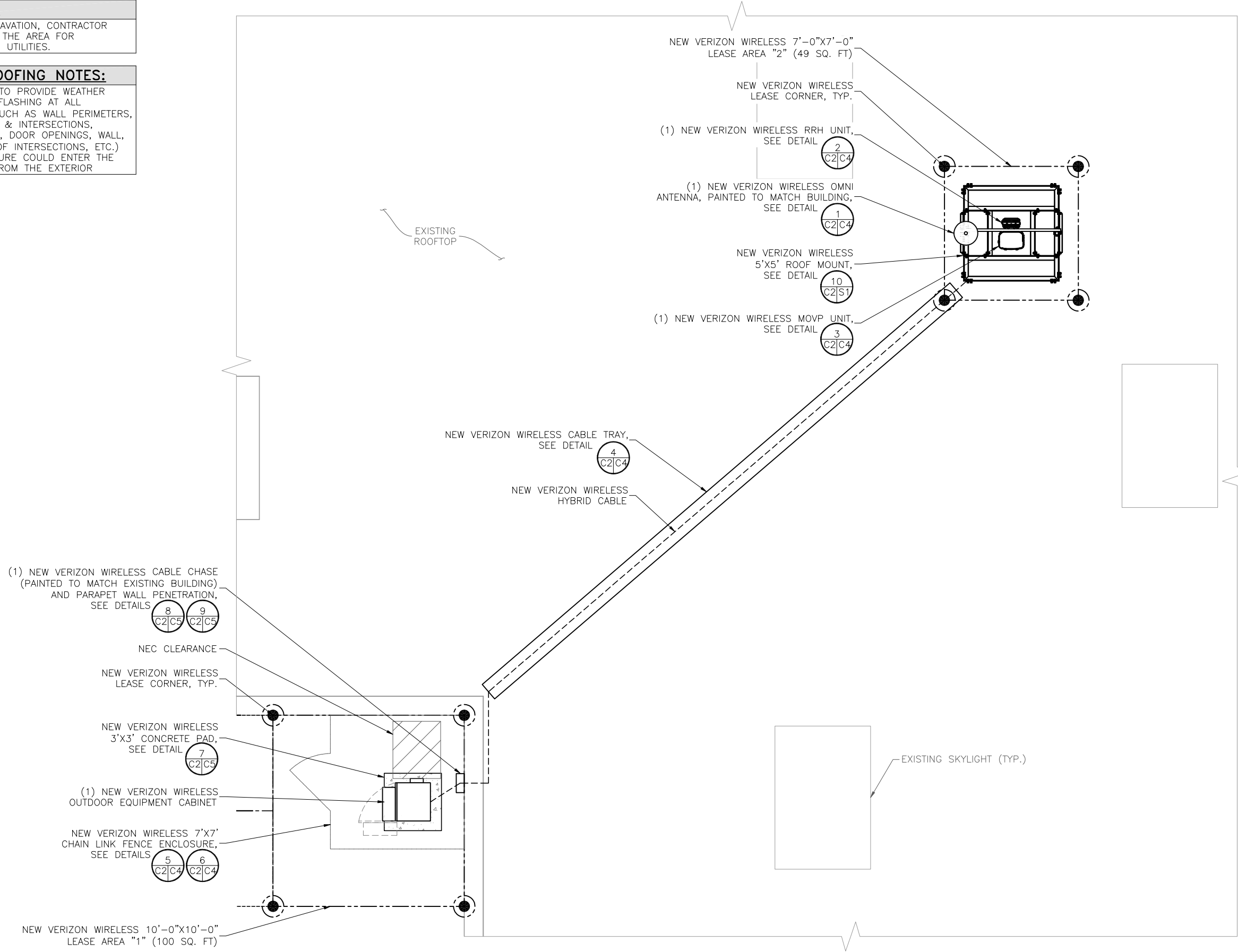


SITE NOTES:

1. PRIOR TO EXCAVATION, CONTRACTOR SHALL CHECK THE AREA FOR UNDERGROUND UTILITIES.

WEATHERPROOFING NOTES:

1. CONTRACTOR TO PROVIDE WEATHER BARRIERS & FLASHING AT ALL LOCATIONS (SUCH AS WALL PERIMETERS, TERMINATIONS & INTERSECTIONS, PENETRATIONS, DOOR OPENINGS, WALL, FLOOR & ROOF INTERSECTIONS, ETC.) WHERE MOISTURE COULD ENTER THE STRUCTURE FROM THE EXTERIOR



ENLARGED SITE PLAN
SCALE: 3/16" = 1'-0"



DESIGNED FOR:

verizonwireless

9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84081

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DESIGNED BY:

REV	DESCRIPTION	DATE	BY	CHK
A	PRELIMINARY - NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NAME:

PRO WALMART PAYSON
SMALL CELL INSTLLATION PROJECT

PROJECT ADDRESS:

1052 S. TURF FARM ROAD
PAYSON, UT 84651
UTAH COUNTY

SHEET TITLE:

ENLARGED
SITE PLAN

SAVE DATE:

10/19/2016 3:59 PM

SHEET NUMBER:

C2

NOTE:
1. EQUIPMENT WILL NOT BE VISIBLE AND IS SHOWN FOR CLARITY.

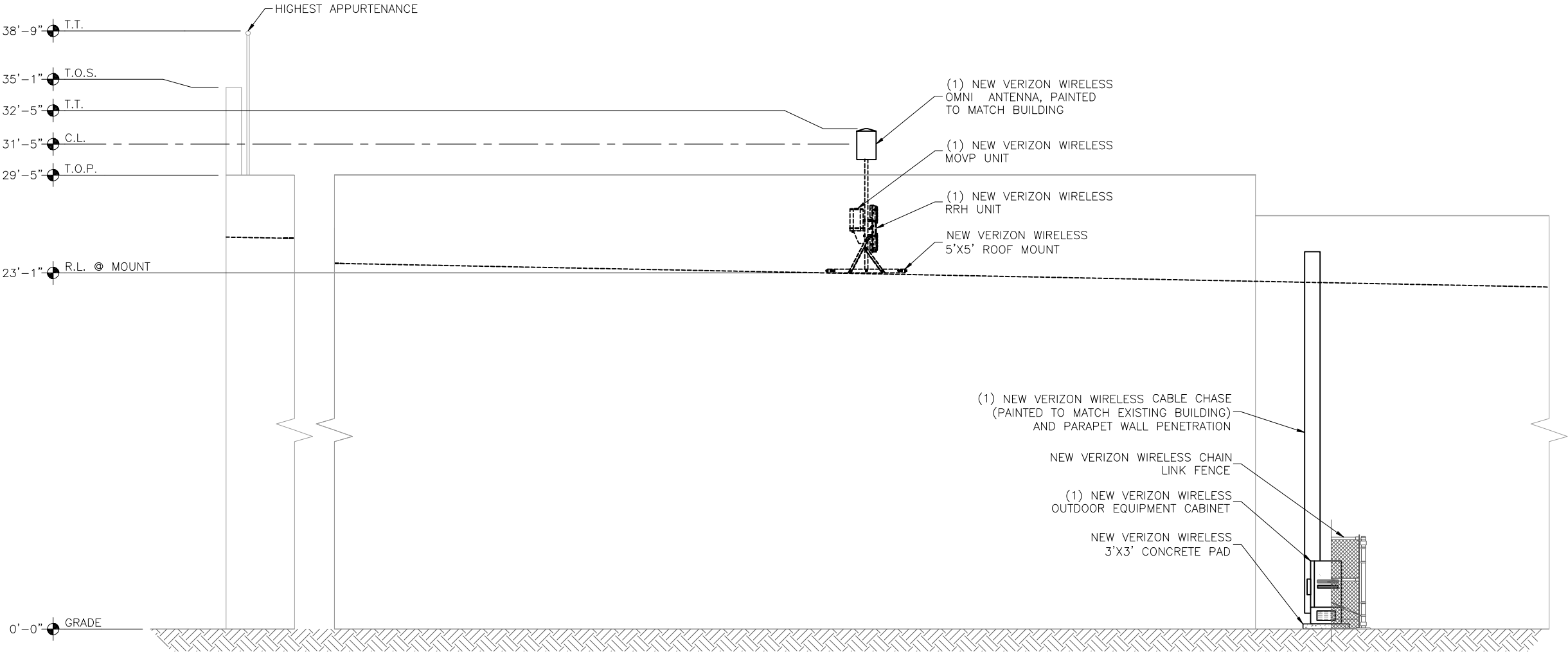
KEY:	
C.L. =	CENTERLINE
A.L. =	ATTACHMENT LEVEL
B.T. =	BOTTOM TIP LEVEL
T.T. =	TOP TIP LEVEL
A.G.L. =	ABOVE GRADE LEVEL
T.O.P. =	TOP OF PARAPET
T.O.S. =	TOP OF STRUCTURE
R.L. =	ROOF LINE

DESIGNED FOR:

verizonwireless

9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84081

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NEW WEST ELEVATION
SCALE: 1/8" = 1'-0"

DESIGNED BY:



AZ - CA - CO - ID - NM - NV - TX - UT

REV	DESCRIPTION	DATE	BY	CHK
A	PRELIMINARY - NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NAME:

PRO WALMART PAYSON
SMALL CELL INSTLLATION PROJECT

PROJECT ADDRESS:

1052 S. TURF FARM ROAD
PAYSON, UT 84651
UTAH COUNTY

SHEET TITLE:

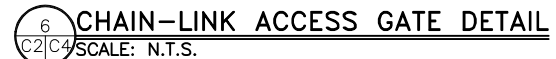
ELEVATIONS

SAVE DATE:

10/19/2016 3:59 PM

SHEET NUMBER:

C3

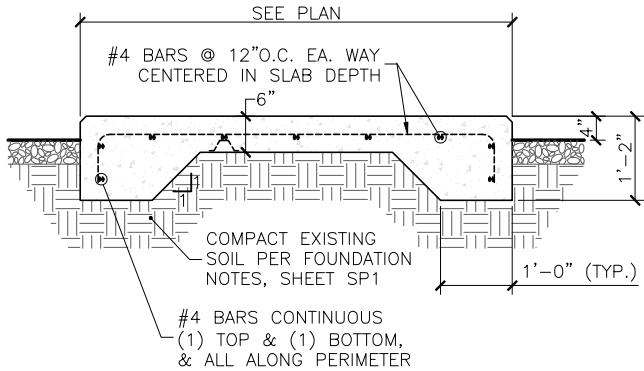


REV	DESCRIPTION	DATE	BY	CHK
A	PRELIMINARY – NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

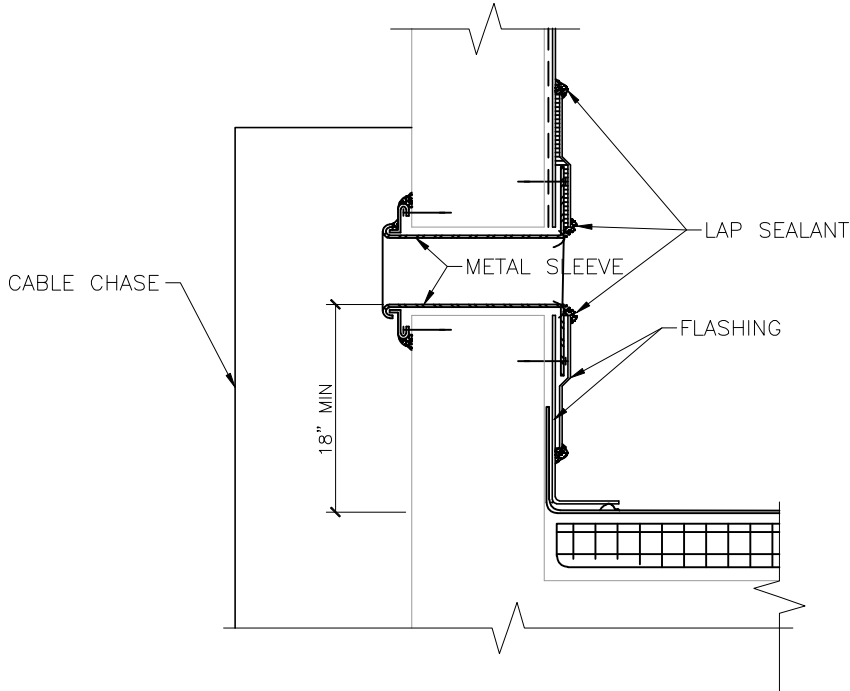
DESIGNED BY:

PRELIMINARY
NOT FOR CONSTRUCTION

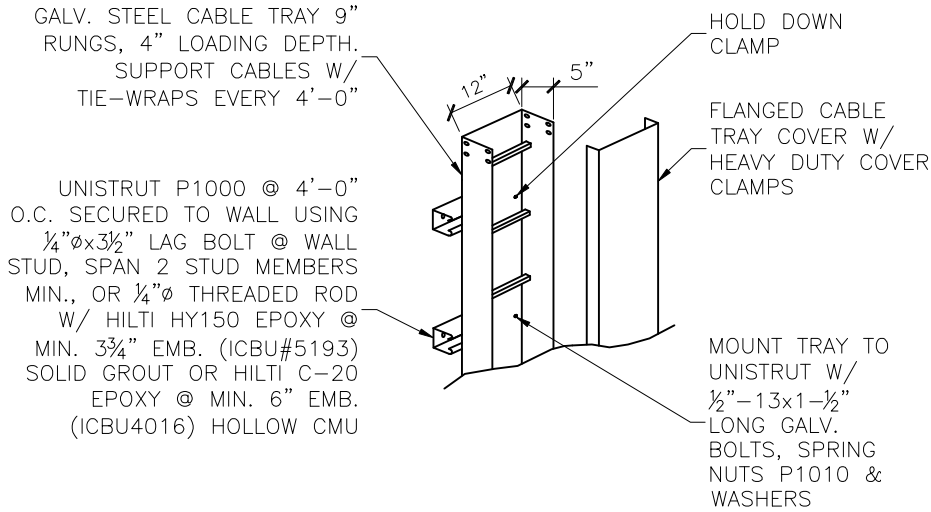
C4



7 CONCRETE PAD SECTION
C2/C5 SCALE: N.T.S.

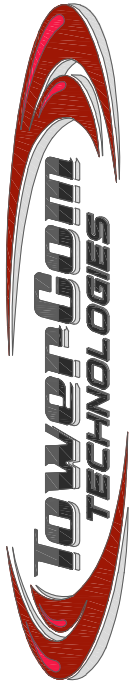


8 PARAPET PENETRATION DETAIL
C2/C5 SCALE: N.T.S.



9 VERTICAL COVERED CABLE TRAY DETAIL
C2/C5 SCALE: N.T.S.

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REV	DESCRIPTION	DATE	BY	CHK
A	PRELIMINARY - NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

DESIGNED BY:

PRELIMINARY
NOT FOR CONSTRUCTION

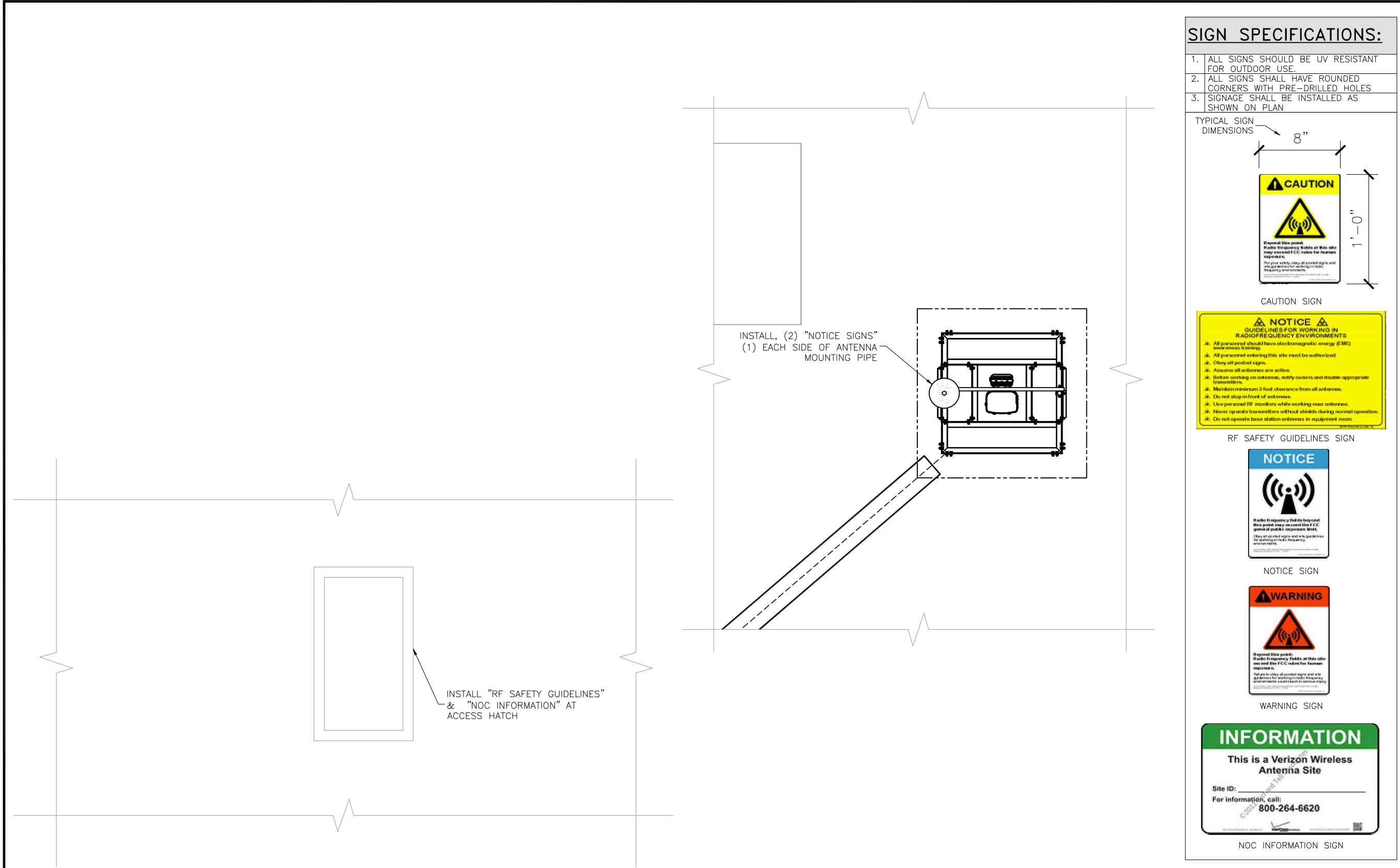
PROJECT NAME:
PRO WALMART PAYSON
SMALL CELL INSTLLATION PROJECT

PROJECT ADDRESS:
1052 S. TURF FARM ROAD
PAYSON, UT 84651
UTAH COUNTY

SHEET TITLE:
DETAILS

SAVE DATE:
10/19/2016 3:59 PM

SHEET NUMBER:
C5

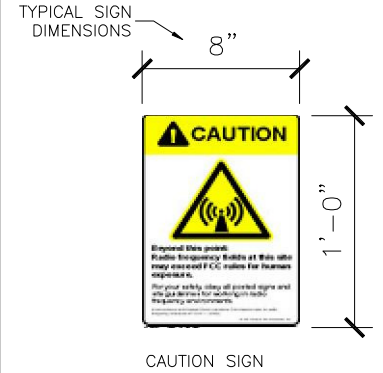


RF COMPLIANCE PLAN
SCALE: NTS



SIGN SPECIFICATIONS:

1. ALL SIGNS SHOULD BE UV RESISTANT FOR OUTDOOR USE.
2. ALL SIGNS SHALL HAVE ROUNDED CORNERS WITH PRE-DRILLED HOLES
3. SIGNAGE SHALL BE INSTALLED AS SHOWN ON PLAN



DESIGNED FOR:

verizonwireless

9656 SOUTH PROSPERITY ROAD
WEST JORDAN, UTAH 84081

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DESIGNED BY:

TowerCom TECHNOLOGIES

AZ - CA - CO - ID - NM - NV - TX - UT

REV	DESCRIPTION	DATE	BY	CHK
A	PRELIMINARY - NOT FOR CONSTRUCTION	10/19/16	JGP	JDM

PROJECT NAME:

PRO WALMART PAYSON
SMALL CELL INSTLLATION PROJECT

PROJECT ADDRESS:

1052 S. TURF FARM ROAD
PAYSON, UT 84651
UTAH COUNTY

SHEET TITLE:

RF COMPLIANCE

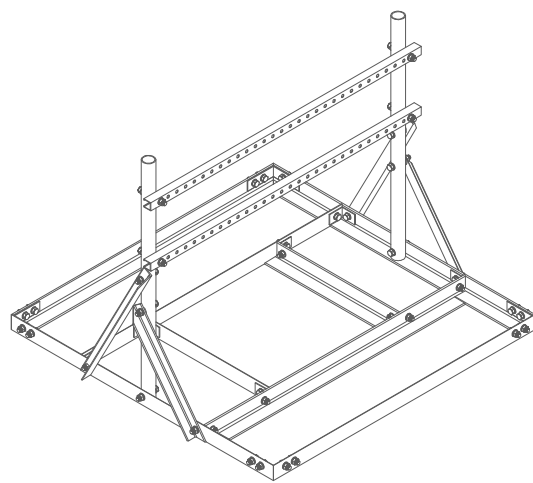
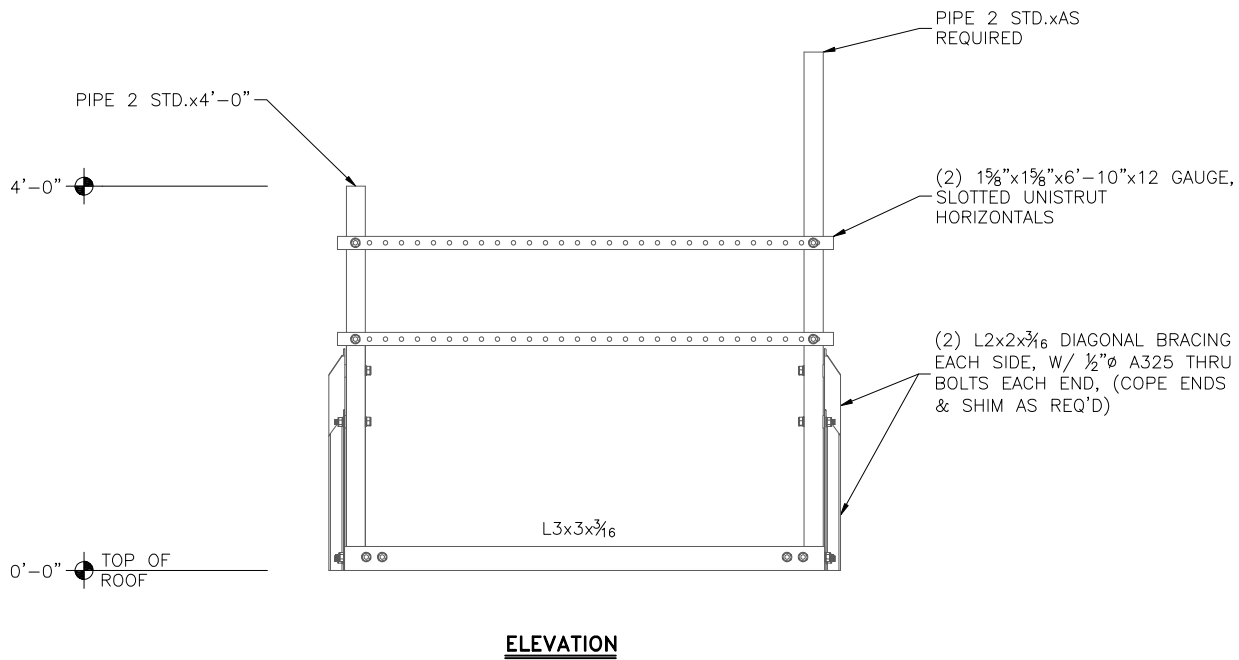
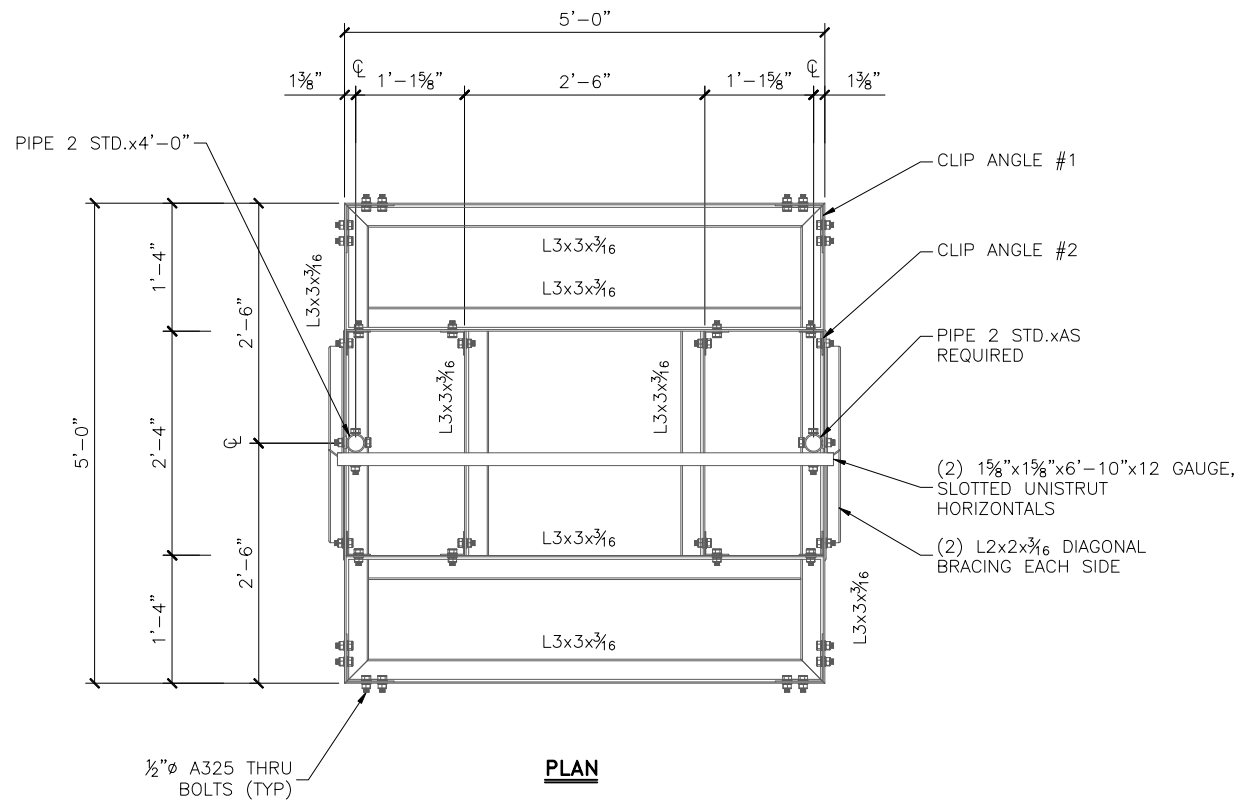
SAVE DATE:

10/19/2016 3:59 PM

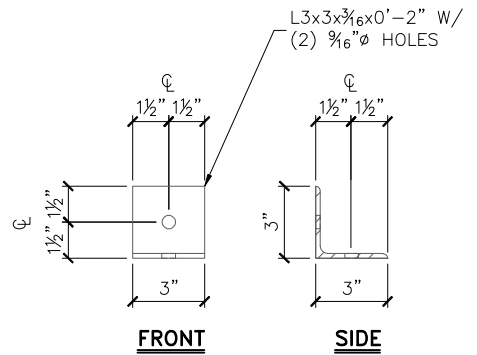
SHEET NUMBER:

C6

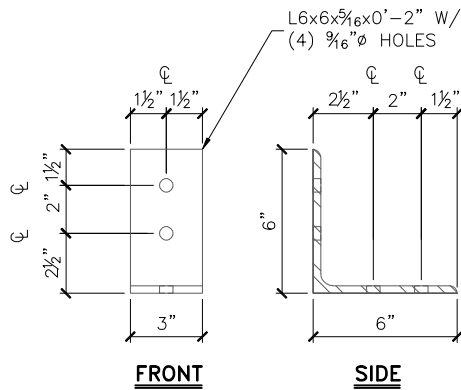
NOTE:	
1.	30# OF BALLAST (STEEL PLATE) EACH TRAY.
2.	CONTRACTOR TO CUT MOUNT PIPE IN ORDER FOR THE BOTTOM OF THE ANTENNA TO BE 12" ABOVE NEAREST TOP OF PARAPET



ISOMETRIC

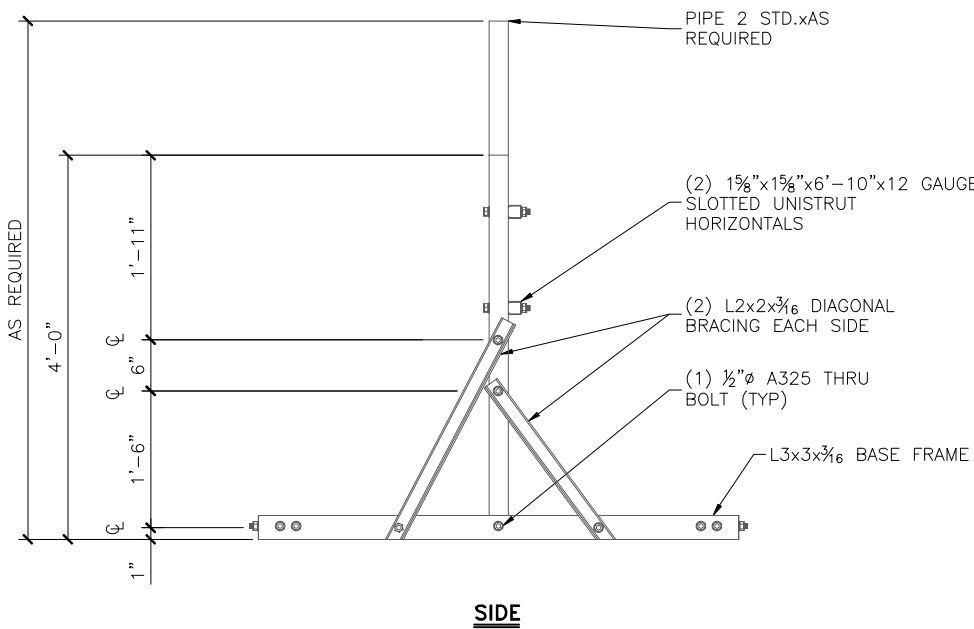


CLIP ANGLE #2



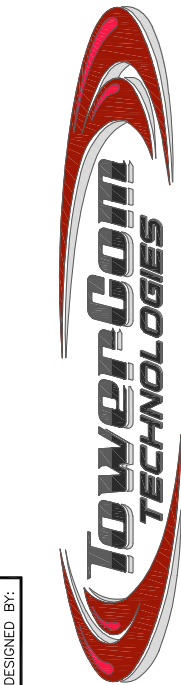
CLIP ANGLE #1

CLIP ANGLE DETAILS
SCALE: 1 1/2"=1'-0"



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REV	DESCRIPTION	DATE	BY	CHK	JDM
A	PRELIMINARY - NOT FOR CONSTRUCTION	10/19/16	JGP		



AZ - CA - CO - ID - NM - NV - TX - UT

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NAME:	PRO WALMART PAYSON SMALL CELL INSTILLATION PROJECT
PROJECT ADDRESS:	1052 S. TURF FARM ROAD PAYSON, UT 84651 UTAH COUNTY
SHEET TITLE:	STRUCTURAL
SAVE DATE:	10/19/2016 3:59 PM
SHEET NUMBER:	S1