

Market: AZ/NM
Cell Site Number: PHNXAZP070
Cell Site Name: El Mirage
Fixed Asset Number: 10091414

FIRST AMENDMENT TO OPTION AND SITE LEASE AGREEMENT

THIS FIRST AMENDMENT TO OPTIONS AND SITE LEASE AGREEMENT ("**Amendment**"), dated as of the latter of the signature dates below, is by and between City of El Mirage, having a mailing address of 12145 NW Grand Ave, El Mirage, AZ 85335 ("**Landlord**") and New Cingular Wireless PCS, LLC, a Delaware limited liability company, successor in interest to AT&T Wireless PCS, Inc., having a mailing address of 12555 Cingular Way, Suite 1300, Alpharetta, GA 30004 ("**Tenant**").

WHEREAS, Landlord and Tenant (or its predecessor in interest) entered into an Option and Lease Agreement dated November 15, 1995, whereby Landlord leased to Tenant certain Premises, therein described, that are a portion of the Property located at 14010 North El Mirage Road, El Mirage, AZ 85335 ("**Agreement**"); and

WHEREAS, Landlord and Tenant desire to amend the Agreement to modify the notice section thereof; and

WHEREAS, Landlord and Tenant desire to amend the Agreement to permit Tenant to add, modify and/or replace equipment in order to be in compliance with any current or future federal, state or local mandated application, including but not limited to emergency 911 communication services; and

WHEREAS, Landlord and Tenant, in their mutual interest, wish to amend the Agreement as set forth below accordingly.

NOW THEREFORE, in consideration of the foregoing and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landlord and Tenant agree as follows:

1. Expansion of Premises. The Premises and Antenna Facilities are hereby modified to contain additional conduits for fiber optic lines (such lines and conduits, collectively, the "**Conduits**") and additional equipment (the "**Additional Equipment**"), as well as areas for the installation and maintenance of the Conduits and Additional Equipment (such areas of installation, the "**Additional Lease Area**"), all as depicted and described on Exhibit "B-1" attached hereto and made a part hereof. The exhibits depicting the Premises and the Antenna Facilities attached to the Agreement shall be supplemented by Exhibit "B-1" attached to this Amendment and incorporated herein. Tenant shall install the Conduits by directional bore and shall not disturb the Additional Lease Area, the balance of the Premises and/or Common Areas, other than de minimis disturbances.

2. Review Fee and Costs. Tenant shall pay to Landlord a onetime payment of Three Thousand Eight Hundred Dollars (\$3,800.00) as reimbursement for fees and costs incurred by Landlord in conjunction with the negotiation and preparation of this Amendment, such payment to be within forty-five (45) days after full execution of this Amendment.

3. Rent. Commencing on the first day of the month following the date that Tenant commences installation of the Conduits (the "**Increase Date**"), the Rent then payable under the Agreement shall be increased by Four Thousand Three Hundred Fifty and no/100 Dollars (\$4,350.00) annually, prorated for the first year from the Increase Date to the beginning of the next lease year, and subject to such other adjustments as provided in the Option and Lease Agreement.

4. Notices. All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows.

If to Tenant: New Cingular Wireless PCS, LLC
 Attn: Network Real Estate Administration
 Re: Cell Site #: PHNXAZP070; Cell Site Name: El Mirage
 Fixed Asset No: 10091414
 12555 Cingular Way, Suite 1300
 Alpharetta, Georgia 30004

With the required copy of legal notice sent to Tenant at the address above, a copy to the Legal Department:

 New Cingular Wireless PCS, LLC
 Attn: AT&T Legal Department
 Re: Cell Site # PHNXAZP070; Cell Site Name: El Mirage
 Fixed Asset No.: 10091414
 PO Box 97061
 Redmond, WA 98073-9761

Or, if sent via nationally recognized overnight courier:

 New Cingular Wireless PCS, LLC
 Attn: AT&T Legal Department
 Re: Cell Site # PHNXAZP070; Cell Site Name: El Mirage
 Fixed Asset No.: 10091414
 16331 NE 72nd Way
 Redmond, WA 98052-7827

Local contact address:

 New Cingular Wireless PCS, LLC
 Attn: AZ/NM Network Property Management

20830 N. Tatum Blvd # 400
Phoenix, AZ 85050

A copy sent to the Legal Department is an administrative step which alone does not constitute legal notice.

If to Landlord: City of El Mirage
Attn: Finance Director
12145 NW Grand Ave
El Mirage, AZ 85335

Either party hereto may change the place for the giving of notice to it by thirty (30) days prior written notice to the other as provided herein.

5. **Emergency 911 Service.** In the future, without the payment of additional rent and at a location mutually acceptable to Landlord and Tenant, Landlord agrees that Tenant may add, modify and/or replace equipment in order to be in compliance with any current or future federal, state or local mandated application, including but not limited to emergency 911 communication services.

6. **Memorandum of Lease.** Either party will, at any time upon fifteen (15) days prior written notice from the other, execute, acknowledge and deliver to the other a recordable Memorandum of Lease substantially in the form of the Attachment 1. Either party may record this memorandum at any time, in its absolute discretion.

7. **Other Terms and Conditions Remain.** In the event of any inconsistencies between the Agreement and this Amendment, the terms of this Amendment shall control. Except as expressly set forth in this Amendment, the Agreement otherwise is unmodified and remains in full force and effect. Each reference in the Agreement to itself shall be deemed also to refer to this Amendment.


8. **Capitalized Terms.** All capitalized terms used but not defined herein shall have the same meanings as defined in the Agreement.

[SIGNATURES APPEAR ON THE NEXT PAGE]

IN WITNESS WHEREOF, the parties have caused their properly authorized representatives to execute and seal this Amendment on the dates set forth below.


"LANDLORD"

City of El Mirage

By: 
Name: Spencer A. Ison
Title: City Manager
Date: 10/19/11

"TENANT"

New Cingular Wireless PCS, LLC,
a Delaware limited liability company
By: AT&T Mobility Corporation
Its: Manager

By: 
Name: TODD E. DAoust
Title: SR REAL ESTATE & CONST MGR
Date: OCTOBER 11, 2011

TENANT ACKNOWLEDGMENT

STATE OF ARIZONA)
) ss:
COUNTY OF MARICOPA)

On the 10th day of October, 2011, before me personally appeared Todd Duoust, and acknowledged under oath that he is the SR - Real Estate & Const. Mgr of AT&T Mobility Corporation, the Manager of New Cingular Wireless PCS, LLC, the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Tenant.

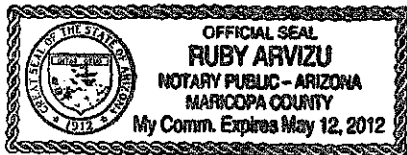


Lauren Richards
Notary Public: Lauren Richards
My Commission Expires: Jan 18, 2015

LANDLORD ACKNOWLEDGEMENT

STATE OF ARIZONA)
) ss:
COUNTY OF MARICOPA)

BE IT REMEMBERED, that on this 10th day of November, 2011, before me, the subscriber, a person authorized to take oaths in the State of Arizona, personally appeared Dr. Spencer Esom who, being duly sworn on his/her/their oath, deposed and made proof to my satisfaction that he/she/they is/are the person(s) named in the within instrument; and I, having first made known to him/her/them the contents thereof, he/she/they did acknowledge that he/she/they signed, sealed and delivered the same as his/her/their voluntary act and deed for the purposes therein contained.



[Signature]
Notary Public: _____
My Commission Expires: May 12, 2012

EXHIBIT "B-1"

PARENT PARCEL LEGAL DESCRIPTION

AS RECORDED IN INSTRUMENT NO. 97-15310, RECORDS OF MARICOPA COUNTY, ARIZONA.

THE WEST 400 FEET OF THE EAST 793 FEET OF THE SOUTH 513 FEET OF SECTION 11, TOWNSHIP 3 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA;

EXCEPT THE SOUTH 33 FEET THEREOF.

FIBER OPTIC EASEMENT LEGAL DESCRIPTION

ALL THAT PORTION OF THE EAST 393 FEET OF THE SOUTHEAST QUARTER OF SECTION 11, TOWNSHIP 3 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, BEING A 10.00 FOOT WIDE EASEMENT, LYING 5.00 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:

BEGINNING AT THE INTERSECTION OF THE NORTH LINE OF THE SOUTH 33.00 FEET OF SAID SOUTHEAST QUARTER AND THE WEST LINE OF SAID EAST 393 FEET;

THENCE SOUTH 89 DEGREES 23 MINUTES 59 SECONDS EAST, 5.00 FEET ALONG SAID NORTH LINE OF THE SOUTH 33.00 FEET OF SAID SECTION TO THE TRUE POINT OF BEGINNING;

THENCE NORTH 00 DEGREES 10 MINUTES 05 SECONDS EAST, 301.91 FEET TO THE POINT OF TERMINUS.

Notes:

1. THIS EXHIBIT MAY BE REPLACED BY A LAND SURVEY AND/OR CONSTRUCTION DRAWINGS OF THE PREMISES ONCE RECEIVED BY TENANT.
2. ANY SETBACK OF THE PREMISES FROM THE PROPERTY'S BOUNDARIES SHALL BE THE DISTANCE REQUIRED BY THE APPLICABLE GOVERNMENTAL AUTHORITIES.
3. WIDTH OF ACCESS ROAD SHALL BE THE WIDTH REQUIRED BY THE APPLICABLE GOVERNMENTAL AUTHORITIES, INCLUDING POLICE AND FIRE DEPARTMENTS.
4. THE TYPE, NUMBER AND MOUNTING POSITIONS AND LOCATIONS OF ANTENNAS AND TRANSMISSION LINES ARE ILLUSTRATIVE ONLY. ACTUAL TYPES, NUMBERS AND MOUNTING POSITIONS MAY VARY FROM WHAT IS SHOWN ABOVE.

PROJECT INFORMATION

SCOPE OF WORK: INSTALL 4" BURIED CONDUIT FOR NEW FIBER OPTIC CABLE

SITE ADDRESS: 14010 N. EL MIRAGE RD.
EL MIRAGE, AZ 85339
LATITUDE: 33.61002° N
LONGITUDE: -112.3253° W
ELEVATION: 1138.8' AMSL
APN: 501-33-013K / 501-33-013J
ZONING: R1
JURISDICTION: TOWN OF EL MIRAGE
EXISTING USE: UNMANNED TELECOMMUNICATIONS FACILITY
NEW USE: UNCHANGED



at&t
Mobility

SITE NUMBER: P070
SITE NAME: EL MIRAGE

APPROVALS

AT&T (RF): _____ DATE: _____
AT&T (CONST.): _____ DATE: _____
AT&T (OPS): _____ DATE: _____
LANDLORD: _____ DATE: _____
LANDLORD: _____ DATE: _____

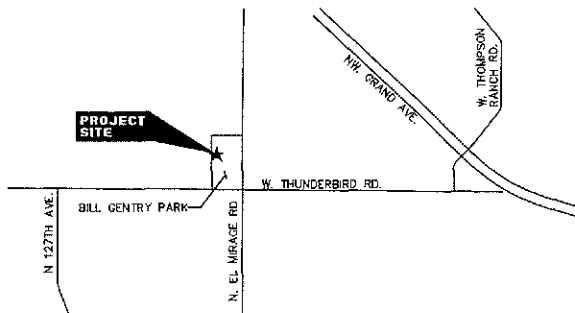
DRAWING INDEX

REV

25471-PHNX-P070-01	TITLE SHEET	1
25471-PHNX-P070-02	STANDARD NOTES	1
25471-PHNX-P070-03	STANDARD NOTES	1
25471-PHNX-P070-LS1	SITE SURVEY	3
25471-PHNX-P070-04	OVERALL SITE PLAN, DETAILED SITE PLAN & DETAILS	1

VICINITY MAP

DIRECTIONS:
FROM THE AT&T OFFICE GO WEST ON LOOP 101 AND CONTINUE SOUTH ON LOOP 101, TAKE SR-60 GRAND AVE. EXIT, TURN RIGHT ONTO NW. GRAND AVE., TURN LEFT ONTO THOMPSON RANCH RD., TURN RIGHT ONTO W. THUNDERBIRD RD., PASS N. EL MIRAGE RD. AND TURN RIGHT IMMEDIATELY TO PARKING LOT, TAKE THE PEDESTRIAN PATH NORTH TO SITE.



APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (LAHJ) FOR THE LOCATION. THE EDITION OF THE LAHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE:
INTERNATIONAL BUILDING CODE 2006

ELECTRICAL CODE:
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2008, NATIONAL ELECTRICAL CODE.
LIGHTNING PROTECTION CODE:
NFPA 780 - 2000, 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, THIRTEENTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES;
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 C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TELCORDIA GR-1276, GENERAL INSTALLATION REQUIREMENTS

TELCORDIA GR-1603, COAXIAL CABLE CONNECTIONS

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

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.

NOTES

1. THE FOLLOWING NOTES, SYMBOLS AND DETAILS FROM BECHTEL DOCUMENT NUMBER 25471-000-A3J-0000-00001 APPLIES TO THE IMPLEMENTATION OF THIS SITE DESIGN PACKAGE. REFERENCE STANDARD NOTES SHEET.

GENERAL NOTES	DETAIL 1006 - REV 0
CONSTRUCTION NOTES	DETAIL 1007 - REV 0
GROUNDING NOTES	DETAIL 1008 - REV 0
ELECTRICAL INSTALLATION NOTES	DETAIL 1009 - REV 0
RF NOTES	DETAIL 1004 - REV 0
CONCRETE AND REINFORCING STEEL NOTES	DETAIL 1002 - REV 0
SITE WORK GENERAL NOTES	DETAIL 1013 - REV 0

A/E DOCUMENT REVIEW STATUS

1	ACCEPTED - WITH MINOR OR NO COMMENTS, CONSTRUCTION MAY PROCEED
2	NOT ACCEPTED - PLEASE RESOLVE COMMENTS AND RESUBMIT

ACCEPTANCE DOES NOT CONSTITUTE APPROVAL OF DESIGN DETAILS, CALCULATIONS, ANALYSIS, TEST METHODS OR MATERIALS DEVELOPED OR SELECTED BY SUBCONTRACTOR AND DOES NOT RELIEVE SUBCONTRACTOR FROM FULL COMPLIANCE WITH CONTRACTUAL OBLIGATION.

REVIEWED:	ENG.	CONST.		
BY:			DATE:	

REDLINE DRAWING REVIEW

NAME (PRINT) SIGNATURE DATE

GENERAL CONTRACTOR - CONFIRM ACCURACY OF THESE REDLINE DRAWINGS

NAME (PRINT) SIGNATURE DATE

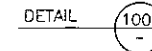
FIELD COORDINATOR - VERIFY INSTALLATION PER REDLINE DRAWINGS

NAME (PRINT) SIGNATURE DATE

ENGINEERING - Market Engineer Shall Review Redline Drawings To Ensure Changes Do Not Alter The Original Design Intent And/Or Are Code Compliant

SITE QUALIFICATION PARTICIPANTS

	NAME	COMPANY	NUMBER
A/E	SANDEEP MANE	TELESPAN NETWORK SERVICES	480-905-0689
SAC	BETH DAVISON	BECHTEL COMMUNICATIONS	602-368-0084
ENGR.	JEREMY DEETER	BECHTEL COMMUNICATIONS	602-368-7733
LANDLORD	JORGE GASTELUM	TOWN OF EL MIRAGE	623-876-2948



2151 EAST BROADWAY ROAD, SUITE 217, TEMPE, AZ 85282
VOICE: 480.905.0689 FAX: 480.905.0618

EL MIRAGE P070

14010 N. EL MIRAGE RD.
EL MIRAGE, AZ 85339



at&t
AT&T MOBILITY
20850 N. TARM BLVD, SUITE 400
PHOENIX, AZ 85080
PHONE: (480) 414-1024

NO.	DATE	REVISIONS	BY	CHK APP'G
1	04/22/11	REVISED PER CITY COMMENTS	E.A. JR	SAU
2	02/21/11	ISSUED FOR CONSTRUCTION	JW	SAU
3	01/31/11	ISSUED FOR REVIEW	JW	SAU

SCALE: AS SHOWN DESIGNED BY: DRAWN BY: NOT FOR CONSTRUCTION



AT&T MOBILITY

TITLE SHEET

DRAWING NUMBER	REV
25471-620	1
PHNX-P070-01	1

GENERAL NOTES

NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - BECHTEL
SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
OWNER - AT&T MOBILITY
OEM - ORIGINAL EQUIPMENT MANUFACTURE
- PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE 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.
- 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.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW 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.
- DELETED.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
- 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
- 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.
- 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.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
- ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS UNLESS OTHERWISE SPECIFIED. ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
- ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
- CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741-000-3APS-A002-00002, "GENERAL CONSTRUCTION SERVICES."
- 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.
- 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.
- 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.

DETAIL 1006
NTS

CONCRETE AND REINFORCING STEEL NOTES

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A114, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNCO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST EARTH.....3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER2 IN.
#6 AND SMALLER & WWF1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
SLAB AND WALL.....3/4 IN.
COLUMNS.....1 1/2 IN. BEAMS AND
- A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 305-T18-00013 "SELECTION, DESIGN, INSTALLATION, INSPECTION AND TESTING OF ADHESIVE AND MECHANICAL EXPANSION ANCHORS FOR WIRELESS SITE FACILITIES". ANCHORS SHALL BE HILTI OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL.
- CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 60 CUBIC YARDS (IBC 1905.6.2) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER:
(A) RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT.
(B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.
FOR GREATER THAN 60 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST, TAKING THREE CYLINDERS FROM EACH TRUCK.

DETAIL 1002
NTS

GROUNDING NOTES

- THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GESS'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 811) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH 25471-000-3PS-E000-0301, DESIGN & TESTING OF FACILITY GROUNDING FOR CELL SITES.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTI-OXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

DETAIL 1013
NTS

- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222. FOR TOWERS BEING BUILT TO REY 6 OF THE STANDARD, THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE TOWER AND THE BURIED GROUND RING SHALL BE CHANGED FROM 2 AWG TO 2/0 AWG. IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RODS SHALL BE INCREASED FROM 8 FEET TO 10 FEET.

DETAIL 1008

SITE WORK GENERAL NOTES:

- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- 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 & EXCAVATION.
- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- 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 DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
- THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE AT&T MOBILITY SPECIFICATION FOR SITE SIGNAGE.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 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.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION AND SEDIMENT CONTROL.



2151 EAST DRAGONWAY ROAD, SUITE 217, TEMPE, AZ 85282
VOICE: 480.503.8880 FAX: 480.505.8818

EL MIRAGE
P070

14010 N. EL MIRAGE RD.
EL MIRAGE, AZ 85535



at&t

AT&T MOBILITY
20000 N. TAYLOR BLVD., SUITE 400
PHOENIX, AZ 85020
PHONE: (480) 414-1024

1	06/22/11	REVISED PER CITY ORDINANCES	E.A.	JH	SAW
2	02/01/11	ISSUED FOR CONSTRUCTION	JW	JH	SAW
3	01/31/11	ISSUED FOR REVIEW	JH	JH	SAW
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY:	DRAWN BY:		NOT FOR CONSTRUCTION



AT&T MOBILITY

STANDARD NOTES

25471-020	PHRX-P070-02	1
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ELECTRICAL INSTALLATION NOTES:

1. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
2. SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLE TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
3. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
4. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
5. 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.
6. POWER PHASE CONDUCTORS (I.E., HOTS) SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA AND MATCH EXISTING INSTALLATION REQUIREMENTS.
7. 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., PANELBOARD AND CIRCUIT ID'S).
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
9. ALL THE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILES TIE WRAPS.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR 2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.
13. POWER WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
14. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
15. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
16. NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
17. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
18. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
19. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
20. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
21. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.

23. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
24. CABINETS, BOXES, AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
25. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PAINTOUT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
27. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
28. 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.
29. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
30. 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.

SOIL COMPACTION NOTES FOR SLAB ON GRADE:

1. EXCAVATE AS REQUIRED TO REMOVE VEGETATION & TOPSOIL EXPOSE UNDISTURBED NATURAL SUBGRADE AND PLACE CRUSHED STONE AS REQUIRED.
- 2a. COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.
- 2b. AS AN ALTERNATIVE TO ITEM 2a, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.
- 2c. AS AN ALTERNATIVE TO ITEMS 2a AND 2b PROOFROLL THE SUBGRADE SOILS WITH 5 PASSES OF A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). ANY SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL, AND COMPACTED AS STATED ABOVE.
3. COMPACTED SUBBASE SHALL BE UNIFORM & LEVELED, PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING 1" SIEVE.

COMPACTION EQUIPMENT:

HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

DETAIL 1009
NTS













STRUCTURAL STEEL NOTES:

1. ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A982 UNLESS OTHERWISE NOTED.
2. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP.
3. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE (3/4") CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
4. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
5. POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 305-T18-00013 "SELECTION, DESIGN, INSTALLATION, INSPECTION AND TESTING OF ADHESIVE AND MECHANICAL EXPANSION ANCHORS FOR WIRELESS SITE FACILITIES". ANCHORS SHALL BE HILTI OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL.
6. ALL EXPANSION/WEDGE ANCHORS SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED. THE ANCHOR BOLT DOWEL AND ROD SHALL BE STAINLESS STEEL WITH STAINLESS STEEL WASHERS.
7. ALL STRUCTURAL STEEL WORK SHALL BE DESIGNED, FABRICATED AND ERECTED TO AISC SPECIFICATIONS AND STANDARD PRACTICES FOR BUILDINGS.
8. STRUCTURAL STEEL PLATES AND SHAPES CONFORM TO ASTM A-36. STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A-53 GRADE "B". STRUCTURAL STEEL TUBE SHALL CONFORM TO ASTM A-501. REINFORCING BARS SHALL CONFORM TO ASTM A615. STRUCTURAL STEEL W-BEAM SHALL CONFORM TO ASTM A992. (FY=50 KSI).

DETAIL 1014-DSW
NTS

DETAIL 1002A
NTS

SYMBOLS

-  SOLID GROUND BUS BAR
-  SOLID NEUTRAL BUS BAR
-  SUPPLEMENTAL GROUND CONDUCTOR
-  2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
-  SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
-  CHEMICAL GROUND ROD
-  GROUND ROD
-  DISCONNECT SWITCH
-  METER
-  CADWELD TYPE CONNECTION
-  COMPRESSION TYPE CONNECTION
-  CIRCUMFERING WIRE

ABBREVIATIONS

- AGL ABOVE GRADE LEVEL
- BTS BASE TRANSCIVER STATION
- (E) EXISTING
- (N) NEW
- MIN MINIMUM
- N.T.S. NOT TO SCALE
- REF REFERENCE
- RF RADIO FREQUENCY
- T.B.D. TO BE DETERMINED
- T.B.R. TO BE RESOLVED
- TYP TYPICAL
- REQ REQUIRED
- EGR EQUIPMENT GROUND RING
- AWG AMERICAN WIRE GAUGE
- WGB MASTER GROUND BUS
- EG EQUIPMENT GROUND
- BCW BARE COPPER WIRE
- SIAD SMART INTEGRATED ACCESS DEVICE
- GEN GENERATOR
- IGR INTERIOR GROUND RING (HALO)
- RBS RADIO BASE STATION

ABBREVIATIONS & SYMBOLS 1010-DSW
NTS



2101 EAST BROADWAY ROAD, SUITE 217, TEMPE, AZ 85282
PHONE: 480.963.8899 FAX: 480.500.2618

EL MIRAGE
P070

14010 N. EL MIRAGE RD.
EL MIRAGE, AZ 85335



AT&T MOBILITY
20850 N. TARAM BLVD, SUITE 400
PHOENIX, AZ 85020
PHONE (602) 414-1824

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	06/22/11	REVISED PER CITY COMMENTS	E.A.	JH	SAH
2	02/01/11	ISSUED FOR CONSTRUCTION	JH	JH	SAH
3	01/21/11	ISSUED FOR REVIEW	JH	JH	SAH

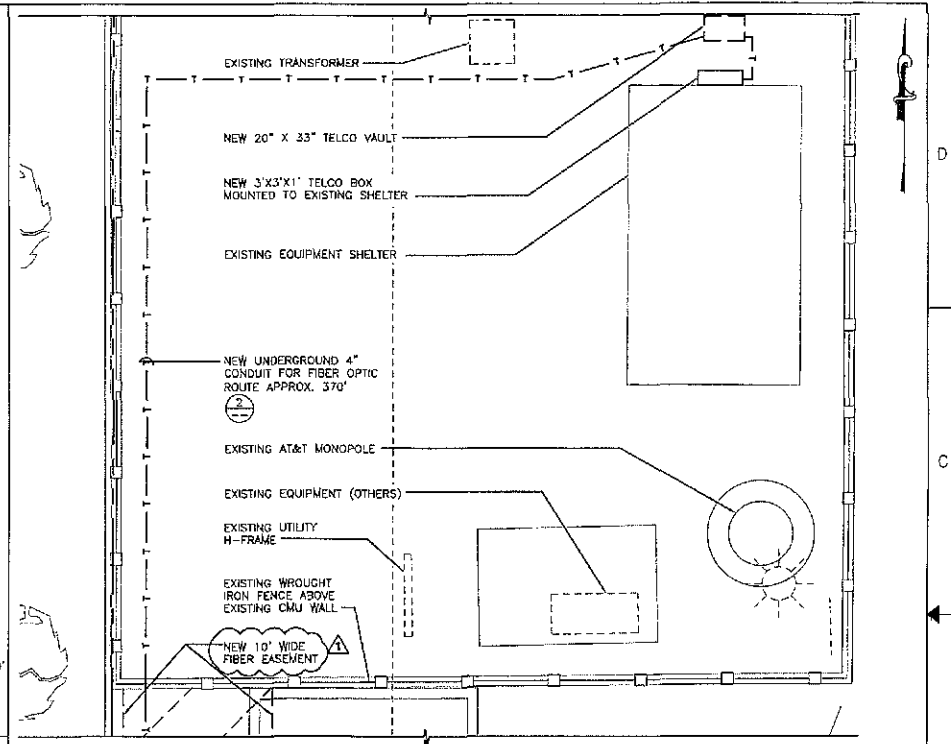
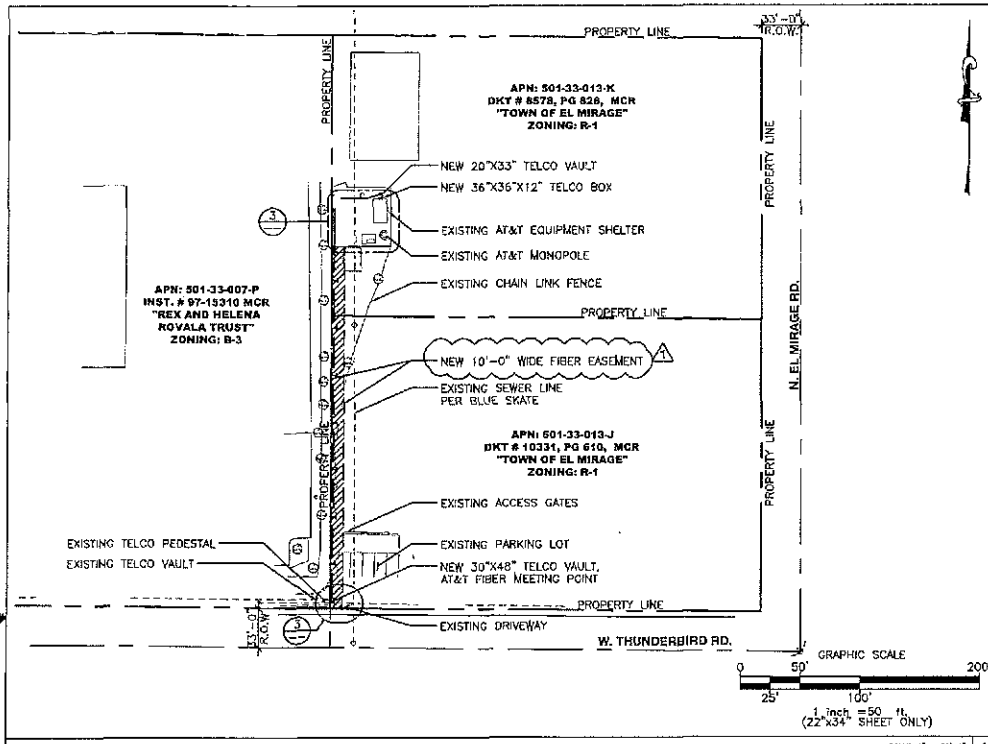
SCALE: AS SHOWN DESIGNED BY: DRAWN BY: NOT FOR CONSTRUCTION



AT&T MOBILITY

STANDARD NOTES

DATE	ISSUANCE NUMBER	REV
25471-620	PHHX-P070-03	1



OVERALL SITE PLAN

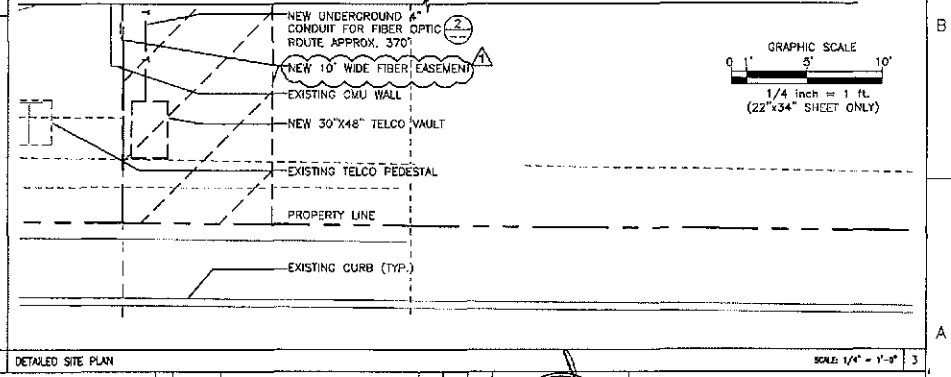
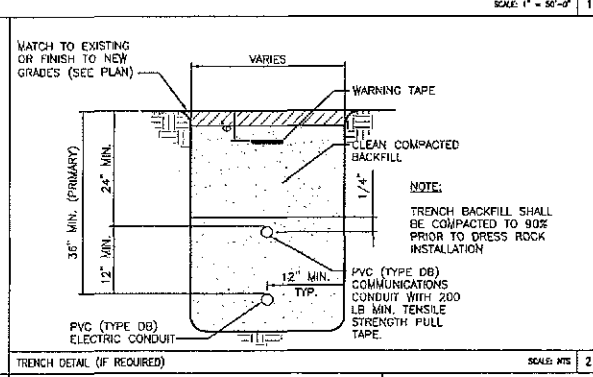
CALL TWO NUMBERS FIRST BEFORE DIGGING
602-263-1100
1-800-STAKE-IT
(POSTAGE GUARANTEED)

NOTE:

- HAND DIG EXCAVATIONS NEAR EXISTING UTILITIES & WHERE INDICATED ON SITE PLAN
- SUBCONTRACTOR TO UTILIZE PRIVATE UTILITY LOCATOR ON NON-PUBLIC PROPERTY

LEGEND

- EXISTING EQUIPMENT
- NEW EQUIPMENT
- FUTURE EQUIPMENT
- EXIST. CABLE TRAY
- NEW CABLE TRAY
- CONDUCTORS AND RACEWAY TO BE FURNISHED & INSTALLED BY SUBCONTRACTOR



telespan

2151 EAST BROADWAY ROAD, SUITE 217, TEMPE, AZ 85282
 VOICE: 480.925.8669 FAX: 480.925.8818

EL MIRAGE P070

14010 N. EL MIRAGE RD.
 EL MIRAGE, AZ 85335

at&t

AT&T MOBILITY
 20880 N. TATUM BLVD., SUITE 400
 PHOENIX, AZ 85080
 PHONE: (480) 414-1824

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	06/22/11	REVISED PER CITY COMMENTS	E.A.	JN	SAW
2	02/01/11	ISSUED FOR CONSTRUCTION	JM	JN	SAW
3	01/21/11	ISSUED FOR PREVIEW	JM	JN	SAW

SCALE: AS SHOWN DESIGNED BY: DRAWN BY: NOT FOR CONSTRUCTION

AT&T MOBILITY

OVERALL SITE PLAN, DETAILED SITE PLAN & DETAILS

25471-620 PHNX-P070-04

22 x 34" SIZE

ADDENDUM NO. 1 TO OPTION AND
SITE LEASE AGREEMENT

THIS ADDENDUM NO. 1 TO OPTION AND SITE LEASE AGREEMENT ("Addendum") is attached to and made a part of that certain Option and Site Lease Agreement (the "Agreement") dated 11/15, 1995, and is entered into by and between City of El Mirage ("Landlord"), and AT&T Wireless PCS, Inc., a Delaware corporation ("Tenant"). In the event of any inconsistency between this Addendum and the Agreement, the terms of this Addendum shall control.

1.1 The following shall be added to the end of Paragraph 8:

Tenant shall not park the vehicle, as specified above, for more than a period of 24 hours at any one time, unless in the case of an emergency.

1.2 The following shall be added to the end of Paragraph 6:

If there is interference with Landlord for 5 days after notice to Tenant, Landlord will suffer injury and shall have all remedies at law on equity, including injunction, and may terminate the Lease, by notice to Tenant, if Tenant has not commenced actions to remedy the interference.

1.3 Lessee agrees to pay to the City of El Mirage of \$25,000.00. This payment shall be due and payable upon the Commencement Date of the Lease, as will the first annual lease payment of \$6,000.00 for a total payment of \$31,000.00. Lessor agrees to approve in an expeditious manner, all planning and zoning for a 164' tower and accompanying 12' x 20' x 10' high prefabricated shelter. Lessee further agrees to pay all fees necessary for planning, zoning and permitting. Lessee to comply with all building codes.

1.4 Rent

a. The Rent shall be increased on each Rental Adjustment Date in accordance with the increase in the United States Department of Labor, Bureau of Labor Statistics, Consumer Price Index for All Urban Consumers (all items for the geographical Statistical Area in which the Property is located on the basis of 1982-1984 = 100) (the "Index") as follows:

b. The Rent (the "Comparison Rent") in effect immediately before each Rental Adjustment Date shall be increased by the percentage increase between (i) the Index published for the month which is four (4) months prior to the date that the Comparison Rent commenced, and (ii) the Index published for the month which is four (4) months prior to the applicable Rental Adjustment Date. Tenant shall notify Landlord of each increase by a written statement which shall include the Indexes use to calculate such increases, the percentage increase between those two Indices, and the new Rent. The increase in the Rent shall be subject to the maximum increase, if any, provided for in this Agreement.

c. Tenant shall pay the new Rent from the applicable Rental Adjustment Date until the next Rental Adjustment Date. If the format or components of the Index are materially changed after the Commencement Date, Landlord shall substitute an index which is published by the Bureau of Labor Statistics or similar agency and which is most nearly equivalent to the Index in effect on the Commencement Date. The substitute index shall be used to calculate the increase in the Rent unless Tenant objects to such index in writing within ninety (90) days after receipt of Landlord's notice. If Tenant objects, Landlord and Tenant shall submit the selection of the substitute index for binding arbitration in accordance with the rules and regulations of the American Arbitration Association at its office closest to the Purchase Property. The cost of arbitration shall be borne equally by Landlord and Tenant.

d. "Rental Adjustment Date(s)" shall mean: (1) 5th Anniversary of the Commencement Date; (2) 10th Anniversary of the Commencement Date; (3) 15th Anniversary of the Commencement Date; (4) 20th Anniversary of the Commencement Date; (5) 25th Anniversary of the Commencement Date.

INITIALS
<i>[Signature]</i>
<i>[Signature]</i>

3

Maximum Increase in Rent on Each Rental Adjustment Date
Twenty percent (20%) of the Comparison Rent

1.5 Paragraph 5 of the Option and Site Lease Agreement is deleted and replaced with the following:

"Rent" in the annual amount of \$6000.00 shall be payable, in advance, at Landlord's address, on the first day of each calendar year. Rent shall be prorated for any partial month.

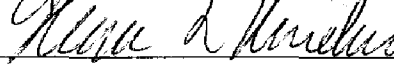
"Landlord"

"Tenant"

City of El Mirage,
a Municipal

AT&T WIRELESS PCS, INC, a Delaware corporation
By: Wireless PCS, Inc., a Delaware corporation, Its Agent

By: 
Its: City Manager

By: 
Its: Vice President, Engineering

OPTION AND SITE LEASE AGREEMENT

THIS OPTION AND SITE LEASE AGREEMENT (this "*Agreement*") is effective November 15, 1995 ("*Effective Date*") between City of El Mirage ("*Landlord*") and AT&T WIRELESS PCS, INC., a Delaware corporation ("*Tenant*").

1. In consideration of a fee of \$500.00 paid to Landlord within 15 business days after execution of this Agreement, and other consideration, the receipt and sufficiency of which are acknowledged, Landlord grants Tenant an "*Option*" to lease "*Premises*", Exhibit "B", within real "*Property*", Exhibit "A", owned by Landlord.
2. The "*1st Option*" of 12 months shall commence on the Effective Date and may have an "*Extension*" of 12 additional months by written notice given to Landlord during the 1st Option and accompanied by an additional fee of \$500.00.
3. During the 1st Option and Extension, Landlord grants Tenant a license to go upon the Property and Premises for, and agrees to cooperate with Tenant in, obtaining and maintaining zoning approvals, licenses, tests and permits for construction, maintenance and operation of Tenant's Antenna Facilities, provided same are at Tenant's expense and do not bind Landlord, the Premises or the Property if the Option is not exercised. Tenant shall restore the premises and indemnify and defend Landlord against loss damage from exercise of the license. The "*Antenna Facilities*" include all improvements, personal property and related facilities for Tenant's "*Permitted Use*" which includes the transmission and reception of radio communication signals in all frequencies authorized by governmental authorities. After exercise of the Option, Tenant may construct, maintain, repair, replace or remove the Antenna Facilities, including sleeves, conduit and cable across the Property to serve the Premises, no part of which shall become a fixture and all of which shall remain the personal property of Tenant and may be mortgaged by Tenant. Landlord waives all Landlord liens against the Antenna Facilities.
4. Tenant may exercise the Option, in Tenant's sole discretion, by written "*Notice*" given to Landlord during the 1st Option or Extension, in which case, Landlord grants a "*Lease*" of the Premises to Tenant for a term of 5 years, with a "*Commencement Date*" of the date Notice is given and terminating at midnight on the last day of the month in which the 5th anniversary of the Commencement Date occurs. Tenant may extend the Lease, on the same terms, 5 successive "*Additional Terms*" of 5 years each, automatically, unless Tenant gives Landlord written notice during the initial term or any Additional Terms stating Tenant will not extend further.
5. "*Rent*" in the annual amount of \$6000.00 shall be payable, in advance, at Landlord's address, on the first day of each calendar year. Rent shall be prorated for any partial month.
6. Tenant shall not, except as permitted by this Agreement, use the Premises in any way which interferes with the use of the Property by Landlord and other tenants and Landlord shall not use, or permit others to use the Property in any way which interferes with Tenant's Permitted Uses. If there is material Interference with Tenant's Permitted Use for 24 hours after notice to Landlord, or 5 days after notice to Landlord for other types of interference, Tenant will suffer irreparable injury and shall have all remedies at law or equity, including injunction, and Tenant may terminate the Lease by notice to Landlord.
7. Tenant shall be in default upon failure to pay Rent within 10 days after written notice and shall pay a late charge of 4% of the overdue Rent plus the Rent to cure; Landlord shall be in default upon failure to cease Interference within 30 days after written notice; and either shall be in default upon their failure to observe or perform any other of their respective obligations for thirty (30) days after written notice, unless the default cannot be cured within 30 days and the party in default commences a cure within 30 days of notice and works diligently to cure.
8. Landlord shall provide electricity access to the Premises, provided electricity shall be separately metered to Tenant, ingress and egress, across the Property, if necessary, from an improved public road and 24 hour, 7 day per week access over and under the Property to construct, maintain and service the Premises and the Antenna Facilities. Landlord grants Tenant an easement during the Lease to park one vehicle upon the Property, outside of and adjacent to the Premises.

9. Tenant may terminate the Lease, without further liability, on 30 days written notice if: (i) Tenant is unable to obtain or loses any governmental approval necessary to construct or use the Antenna Facilities in Tenant's business. Tenant shall have no obligation to appeal or seek renewal of governmental approvals; or (ii) the Premises, in Tenant's good faith judgment, are or become unacceptable or unusable under Tenant's then current design or engineering specifications for the Antenna Facilities or the Permitted Use.

10. Tenant shall pay personal property taxes on the Antenna Facilities. Landlord shall pay when due all real property taxes, fees and assessments attributable to the Property and Premises. Tenant will carry commercial general liability insurance in an aggregate amount of \$1,000,000.00 and name Landlord as an additional insured on the policy or policies. Landlord and Tenant shall look solely to insurance for loss due to any peril which is covered insurance and neither party's insurance company shall be subrogated to a claim against the other party. Each party shall indemnify and defend the other against loss from their acts and the acts of their employees and agents. The parties shall share in a condemnation award in proportion to their interest in the property taken.

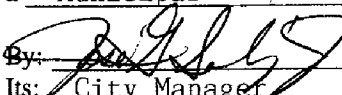

11. All notices and demands shall be in writing be deemed given if personally delivered, mailed certified mail, return receipt, or sent by overnight carrier.

12. Neither Tenant nor Landlord has, or will generate, store or dispose of any hazardous materials on, under or about the Premises or Property in violation of hazardous substance laws and each shall indemnify and defend the other from any losses, claims, damages, penalties and liabilities arising from any breach of this provision. Neither party knows of the existence of hazardous substances on the Property or Premises.

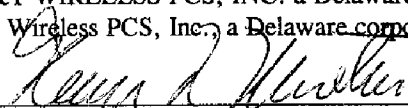
13. Tenant shall have the right to bring personnel and equipment onto the Premises and Property, in a civil emergency, to meet its public duty as a telecommunications carrier.

14. Each party shall execute documents for the Premises, Antenna Facilities and Permitted Uses including truthful and reasonable: estoppels; memoranda of this Agreement; subordinations, which include non-disturbance clauses; and zoning and permitting requests, applications and authorities; upon not more than 30 days' prior notice. Each party shall pay fees due a real estate broker claiming through them. This Agreement shall be construed according to Arizona law, shall be construed according to the fair meaning of the language, not strictly construed against either party, may be signed in counterparts, facsimile signatures shall be sufficient unless originals are required by third parties, may be assigned or sublet, is the complete agreement, is binding on successors and assigns. The unsuccessful party in litigation shall pay the others attorney fees and costs. In this Agreement, "include" means "including and not limited to".

LANDLORD:

City of El Mirage
a Municipal
By: 
Its: City Manager
Tax ID/SSN: 
Address: P.O. Box 26
El Mirage, AZ 85335
ATTN: Jose Solarez

TENANT:

AT&T WIRELESS PCS, INC. a Delaware corporation
By: 
Its: Vice President, Engineering
Address: McCaw Cellular Communications, Inc.
Legal Department, 1750 Howe Avenue, Suite 300
Sacramento, California 95825
ATTN: General Counsel

STATE OF ARIZONA)
COUNTY OF Maricopa) ss.

The foregoing instrument was acknowledged this 15 day of Nov, 1995, by JOSE SANCHEZ, the City Manager of El Mirage, known to me to be the person executing the foregoing document.

Ruth Ann Comales
Notary Public

My commission expires:
My Commission Expires Mar. 26, 1998

STATE OF ARIZONA)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged this 7 day of Dec, 1995, by Glenn Umetsu the _____ of Wireless PCS, Inc., known to me to be the person executing the foregoing document.

Rosalie A. Rayos
Notary Public

My commission expires:



EXHIBIT "A"

DESCRIPTION OF PROPERTY

Exhibit "A" to the Agreement dated 11/15, 1995, between City of El Mirage as Landlord, and AT&T Wireless PCS, Inc., a Delaware corporation, as Tenant.

State: _____
County: _____
City: _____
Description: _____

EXHIBIT "A"

The East 393 feet of Section 11, Township 3 North, Range 1 West of the Gila and Salt River Base and Meridian, Maricopa County, Arizona, lying South of WEST EL MIRAGE, according to Book 66 of Maps, Page 26, records of Maricopa County, Arizona;

EXCEPT the North 285.85 feet thereof.

INITIALS
EA
BCU

EXHIBIT "B"

DESCRIPTION OF PREMISES

Exhibit "B" to the Agreement dated December 15, 1995, between City of El Mirage as Landlord, and AT&T Wireless PCS, Inc., a Delaware corporation as Tenant.

If a survey is made on the Premises, Landlord and Tenant agree to sign and attach the legal description of the Premises hereto which will then become the description of the Premises.

