



ARLINGTON COUNTY, VIRGINIA

County Board Agenda Item Meeting of May 14, 2011

DATE: May 6, 2011

SUBJECTS: AT&T Telecommunications Facilities:

- A. SP #28 Site Plan Amendment for AT&T antennas and related equipment on an existing telecommunications facility located at 5300 Columbia Pike. (RPC# 28-004-072 thru - 121).
- B. SP #167 Site Plan Amendment for AT&T antennas and related equipment on an existing telecommunications facility located at 2121 Crystal Drive. (RPC# 34-020-234).
- C. U-3282-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 1900 Columbia Pike. (RPC# 32-001-042).
- D. U-3283-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 1125 Patrick Henry Drive. (RPC# 09-067-001).
- E. U-3285-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located within the VDOT right-of-way at Washington Boulevard (on ramp to I-66 westbound, at Exit 68).
- F. U-3286-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 4102 Old Glebe Road. (RPC# 03-066-001).
- G. U-3287-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 815 18th St. S. (RPC# 35-005-002).
- H. U-3288-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 4020 Washington Blvd. (RPC# 14-028-006).
- I. U-3289-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located within the VDOT right-of-way at Fairfax Drive (I-66 at Exit 71).
- J. U-3290-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 5115 Little Falls Road. (RPC# 02-024-027).

County Manager:

BMD/GA

Staff: Marco Antonio Rivero, DCPHD, Planning Division

PLA-5884

5.

- K. U-3291-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 4401 Lee Highway. (RPC# 07-001-022).
- L. U-3292-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 4241 Columbia Pike. (RPC# 23-034-100).
- M. U-3293-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located at 1415 N Oak Street. (RPC# 17-032-010).
- N. U-3294-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located within the VDOT right-of-way at South Glebe Road (I-395 at Exit 7).
- O. U-3296-11-1 Use Permit for AT&T antennas and related equipment on an existing telecommunications facility located within the VDOT right-of-way at Lee Highway (on ramp to I-66 westbound, at Exit 72).

Applicants:

AT&T

Items A-B, D-O

By:

Phil Stetler, Zoning Specialist
 AT&T Authorized Agent
 Site Link Wireless, LLC
 10015 Old Columbia Road, Suite F-100
 Columbia, Maryland 21046

Item C

By:

William Stone
 7050 Oakland Mills Road, Suite 130
 Columbia, Maryland 21046

C. M. RECOMMENDATIONS:

- A-B. Adopt the attached ordinances to approve the subject site plan amendment requests to install antennas and related equipment on existing telecommunications facilities, subject to the proposed conditions of the staff report.
- C-O. Approve the use permit requests to install antennas and related equipment on existing telecommunications facilities, subject to the proposed conditions of the staff report.

ISSUES: These are site plan amendment and use permit requests for antennas and related equipment on existing telecommunications facilities. The proposed and existing facilities are located on existing structures and preclude the applicant's need to erect new monopoles in the County. No issues have been identified.

SUMMARY: AT&T is requesting to install antennas and related equipment on fifteen (15) existing telecommunications facilities throughout Arlington County. These telecommunications facilities are located on various buildings and monopoles. All of these sites contain antennas that were previously approved administratively by the County, which now need to go through the County's special exception process. The installation of these new antenna structures and related equipment is meant to offer faster data transfer speeds to cellular phone users than the current generation of technologies and provide for more efficient customer service. The proposed antenna and equipment additions will not create an adverse visual impact on the various locations within the County. The proposal is consistent with the *Interim Guidelines for Telecommunications Facilities on County-Owned Property* (Telecommunications Guidelines), which also applies to private properties and encourages the placement of antennas on existing structures. These facilities will be unmanned and only require infrequent visits by maintenance personnel. Therefore, staff recommends the following: (1) The County Board adopt the attached ordinance to approve the subject site plan amendment requests (A-B) to install antennas and related equipment on existing telecommunications facilities, subject to the proposed conditions of the staff report, and (2) The County Board approve the use permit requests (C-O) to install antennas and related equipment on existing telecommunications facilities, subject to the proposed conditions of the staff report.

The following sections of the report address each site. The following statement is applicable to all cases presented in this report:

The Interim Guidelines for Placement of Telecommunications Facilities on County-Owned Property (Telecommunications Guidelines) were used to evaluate the application. The *Telecommunication Guidelines* offer direction in the way of design, visual impact, and compliance with Federal Communications Commission (FCC) regulations, among other things. The *Telecommunication Guidelines* can be applied to telecommunication facilities on privately-owned as well as County-owned property. The *Telecommunications Guidelines* encourage the location of new antennas on existing structures, as opposed to constructing a new pole. The proposed antennas meet these criteria. Attached are plans depicting the location and general appearance of the proposed antennas.

A. SP #28: 5300 Columbia Pike (The Carlyle House)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent administrative approval for antennas occurred in October 2008 for nine (9) T-Mobile antennas. The following provides information about the site:

Site: The site consists of a condominium tower and associated parking structure, constructed in 1980 (The Carlyle House). Immediate site boundaries include:

To the north:	The building adjoins a gas station, zoned “RA14-26” (legally nonconforming). Across Columbia Pike, apartment buildings zoned “RA8-18” and “RA14-26”.
To the south:	Garden apartments zoned “RA14-26”.
To the east:	Across South Frederick Street, a garden condominium complex zoned “RA7-16”.
To the west:	The recently completed “5500” Form-Based Code project zoned “C-1”.

Zoning: The site is zoned “RA7-16” Apartment Dwelling Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Low-Medium Residential” (16-36 units/acre).

Neighborhood: The site is located within the Columbia Forest Civic Association boundary, and the Civic Association was contacted about this request. The Columbia Pike Revitalization Organization was also contacted. As of the date of this report, neither organization has provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing, unused mounts and one (1) equipment cabinet will be installed within the existing equipment room of The Carlyle House Condominiums. The mounts are located on the building’s penthouse structure. The proposed antennas will be mounted at the same centerline as the existing antennas on the penthouse and will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the building.

B. SP #167: 2121 Crystal Drive (Crystal Park, Office Building #2)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent administrative approval for antennas occurred in February 2002 for twelve (12) New Cingular antennas. The following provides information about the site:

Site: The 185,629 square foot site is located in Crystal City at 2121 Crystal Drive (Crystal Park, Office Building #2). Immediate site boundaries include:

To the north:	The office building at 2011 Crystal Drive known as Crystal Park 1, zoned "C-O-1.5" (SP #167).
To the south:	The office building known as Crystal Park 3 (2231 Crystal Drive), zoned "C-O-1.5" (SP #167).
To the east:	The RF&P railroad tracks, zoned "C-O-1.5".
To the west:	Across Crystal Drive, two (2) office buildings in the Crystal Plaza development, zoned "C-O" (SP #11).

Zoning: The site is zoned "C-O-1.5" Commercial Office Building, Hotel and Apartment Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as 1/3 "Medium" Residential (Up to 37-72 units/acre) and 2/3 "Low" Office-Apartment-Hotel (up to 1.5 F.A.R. office density, up to 72 units/acre apartment density, and up to 110 units/acre hotel density).

Neighborhood: While there is no designated civic association for this area, the Crystal City BID and citizens involved in the Crystal City planning process have been notified. One (1) of those citizens has responded that they have no comments or concerns regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing, unused mounts. Additionally, six (6) remote radio heads will be installed to aid in communication between antennas. One (1) equipment cabinet will also be installed within the existing equipment room of the Crystal Park, office building #2. The proposed antennas will not be located flush against the penthouse wall, but rather at a separate location on the rooftop, next to existing antennas. They will be mounted at the same centerline as the existing antennas and will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the building.

C. U-3282-11-1: 1900 Columbia Pike (Dorchester Apartments)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent administrative approval for antennas occurred in May 2006 for the replacement of existing antennas and an equipment cabinet. The following provides information about the site:

Site: The 86,869 square foot site is located at 1900 Columbia Pike (Dorchester Apartments). Immediate site boundaries include:

To the north:	Columbia Pike
To the south:	12th Street South
To the east:	South Scott Street
To the west:	Garden apartment buildings and South Courthouse Road

Zoning: The site is zoned “RA6-15” Apartment Dwelling Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Medium” Residential (32-72 units/acre).

Neighborhood: The site is located within the Columbia Heights Civic Association, and across Columbia Pike from the Penrose Civic Association. The civic associations have been notified of the request. As of the date of this report, staff has not received any comments.

DISCUSSION: AT&T is proposing to install a total of three (3) new antennas on existing rooftop sled mounts. Additionally, one (1) equipment cabinet will be installed on an existing equipment pad on the roof of the Dorchester Apartments. The proposed antennas will not create an adverse visual impact on the surrounding area. The existing telecommunications facility will continue to be unmanned, and no ground space will be used in association with this proposal. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the building.

D. U-3283-11-1: 1125 Patrick Henry Drive (Westover Baptist Church)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent administrative approval for antennas occurred in April 2005 for three (3) New Cingular antennas. The following provides information about the site:

Site: The 141,395 square foot site is located at 1125 Patrick Henry Drive (Westover Baptist Church). Immediate site boundaries include:

To the north:	Washington Boulevard
To the south:	Single-family detached homes and 11 th Street North
To the east:	Single-family detached homes and North Kentucky Street
To the west:	Swanson Middle School and Patrick Henry Drive

Zoning: The site is zoned “R-6” One Family Dwelling District.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Low Residential” (1-10 units per acre).

Neighborhood: The site is located within the Westover Village Civic Association, and the civic association was contacted about this request. As of the date of this report, the civic association has not provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) new panel antennas that will replace three (3) existing panel antennas. There are currently a total of six (6) antennas at this telecommunications facility. Antennas are individually mounted behind stealth enclosures on the steeple of the Westover Baptist Church. Additionally, one (1) equipment cabinet will be installed within the church’s existing equipment room. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel.

E. U-3285-11-1: VDOT right-of-way, Washington Boulevard (I-66 at Exit 68)

BACKGROUND: The monopole was originally installed in November 1999, and it contains existing antennas and related equipment on the site. The following provides information about the site:

Site: The existing facility is located within the VDOT right-of-way at Washington Boulevard (on ramp to I-66 westbound, at Exit 68). Immediate site boundaries include:

To the north:	Single-family detached homes and Washington Boulevard
To the south:	Interstate Route 66 and 25 th Street North
To the east:	Single-family detached homes and 25 th Street North
To the west:	Interstate Route 66

Zoning: The site is zoned “S-3A” Special Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Public”, Parks (*Local, regional, and federal*). Schools (*public*). Parkways, major unpaved rights-of-way. Libraries and cultural facilities.

Neighborhood: The site is located within the Arlington-East Falls Church Civic Association, and the civic association was contacted about this request. The civic association and the applicant mentioned they have coordinated with a VDOT representative to address the disposal of debris located next to the existing telecommunications facility near the right-of-way. At the request of the civic association, the applicant also agreed to install new trees next to the equipment shelter to provide better screening for the site. The civic association has expressed no other concerns regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts located on the monopole next to I-66 and Washington Boulevard at Exit 68. Additionally, one (1) equipment frame will be installed within the adjacent equipment shelter. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the monopole.

F. U-3286-11-1: 4102 Old Glebe Road (Walker Chapel United Methodist Church)

BACKGROUND: The Walker Chapel United Methodist Church is a locally designated historic district, designated by the County Board in 1978 (with designation # Z213378). There are existing antennas and related equipment on the site. The following provides information about the site:

Site: The 92,900 square foot site is located at 4102 Old Glebe Road (Walker Chapel United Methodist Church). Immediate site boundaries include:

To the north:	North Glebe Road
To the south:	Single-family detached homes and Old Glebe Road
To the east:	Walker Chapel Cemetery
To the west:	Single-family detached homes and North Glebe Road

Zoning: The site is zoned “S-3A” Special Districts and “R-10” One Family Dwelling District.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Semi Public” Country clubs and semi-public recreational facilities. Churches, private schools and private cemeteries (*predominant use on block*).

Neighborhood: The site is located within the Old Glebe Civic Association, and the civic association was contacted about this request. As of the date of this report, the civic association has not provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of six (6) panel antennas on new mounts. Three (3) existing antennas will be removed. The antennas will be located behind the steeple’s windows of the Walker Chapel United Methodist Church. Additionally, one (1) equipment frame and one (1) new power cabinet will be installed within the church’s existing equipment room. The modifications to the steeple are all interior. Since there will be no exterior changes to the steeple or the church building, this application does not require review from the HALRB or a Certificate of Appropriateness. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel.

G. U-3287-11-1: 815 18th Street S (Abingdon House Apartments)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent use permit approval for antennas occurred in December 2009 for two (2) Clearwire Wireless antennas. The following provides information about the site:

Site: The 78,796 square foot site is located at 815 18th Street South (Abingdon House Apartments). Immediate site boundaries include:

To the north:	Virginia Highlands Park
To the south:	18 th Street South
To the east:	South Hayes Street and Aurora Hills Library
To the west:	South Ives Street

Zoning: The site is zoned “RA6-15” Apartment Dwelling Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Low-Medium” Residential (16-36 units/acre).

Neighborhood: The site is located within the Aurora Highlands Civic Association, and the civic association was contacted about this request. As of the date of this report, the civic association has not provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts. Additionally, one (1) equipment frame will also be installed within the existing AT&T equipment shelter located on the rooftop of the Abingdon House Apartments. The proposed antennas are located on freestanding pipe mounts on the building’s rooftop, next to existing antennas. They will be mounted at the same centerline as the existing antennas and will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the building.

H. U-3288-11-1: 4020 Washington Boulevard (Quinton Arms Apartments)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent administrative approval for antennas occurred in July 2008 for nine (9) New Cingular antennas. The following provides information about the site:

Site: The 57,885 square foot site is located at 4020 Washington Boulevard (Quinton Arms Apartments). Immediate site boundaries include:

To the north:	Washington-Lee High School and Washington Boulevard
To the south:	Multi-family apartment buildings and 11 th Street North
To the east:	Quincy Park and North Quincy Street
To the west:	North Randolph Street

Zoning: The site is zoned “RA8-18” Apartment Dwelling Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Low-Medium” Residential (16-36 units/acre).

Neighborhood: The site is located within the Ballston-Virginia Square Civic Association, and the civic association was contacted about this request. In addition, the Ballston Partnership was contacted. As of the date of this report, neither organization has provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts and two (2) platform mounted equipment cabinets on the rooftop of the Quinton Arms Apartments. The existing mounts are located on the building’s penthouse and chimney structures. The proposed antennas will be mounted at the same centerline as existing antennas on the penthouse and chimney structures. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the building.

I. U-3289-11-1: VDOT right-of-way, Fairfax Drive (I-66 at Exit 71)

BACKGROUND: The monopole was originally installed in December 1999, and it contains existing antennas and related equipment on the site. The following provides information about the site:

Site: The existing facility is located within the VDOT right-of-way at Fairfax Drive (I-66 at Exit 71). Immediate site boundaries include:

To the north:	Interstate Route 66
To the south:	Fairfax Drive
To the east:	Tree-lined open space area and Fairfax Drive
To the west:	Interstate Route 66 and North George Mason Drive

Zoning: The site is zoned “S-3A” Special Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Public”, Parks (*Local, regional, and federal*). Schools (*public*). Parkways, major unpaved rights-of-way. Libraries and cultural facilities.

Neighborhood: The site is located within the Bluemont Civic Association and is proximate to Ballston-Virginia Square and Waycroft-Woodlawn Civic Associations. The civic associations were contacted about this request. In addition, the Ballston Partnership was contacted. As of the date of this report, the civic associations have not provided comments regarding this request. The Ballston Partnership expressed no issues with the use permit request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts located on the monopole next to I-66 and Fairfax Drive at Exit 71. Additionally, one (1) equipment frame will be installed within the adjacent equipment shelter. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the monopole.

J. U-3290-11-1: 5115 Little Falls Road (The Knights of Columbus)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent administrative approval for antennas occurred in June 2008 for twelve (12) AT&T antennas. The following provides information about the site:

Site: The 405,929 square foot site is located at 5115 Little Falls Road (The Knights of Columbus). Immediate site boundaries include:

To the north:	Single-family detached homes and 33 rd Street North
To the south:	Little Falls Road
To the east:	Single-family detached homes on a private street
To the west:	Single-family detached homes and 32 nd Street North

Zoning: The site is zoned “R-10” One Family Dwelling District.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Low Residential” (1-10 units per acre).

Neighborhood: The site is located within the Yorktown Civic Association, and is proximate to the Rock Spring Civic Association. Both civic associations were contacted about this request. As of the date of this report, neither organization has provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas that are individually mounted behind a stealth enclosure on the rooftop of the Knights of Columbus’ multipurpose, main hall building. Additionally, two (2) equipment cabinets will be installed within the enclosed equipment platform, adjacent to the building. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel.

K. U-3291-11-1: 4401 Lee Highway (Lorcom House)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent use permit approval for antennas occurred in January 2010 for one (1) Clearwire Wireless antenna. The following provides information about the site:

Site: The multi-family, condominium building is located at 4401 Lee Highway (Lorcom House). The building is located on top of a trapezoidal-shaped parcel. Immediate site boundaries include:

To the north:	Old Dominion Drive
To the south:	Lee Highway (US Route 29)
To the east:	North Thomas Street
To the west:	Lorcom Lane

Zoning: The site is zoned “RA6-15” Apartment Dwelling Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Low-Medium” Residential (16-36 units/acre).

Neighborhood: The site is located within the Waverly Hills Civic Association, and the civic association was contacted about this request. As of the date of this report, the civic association has not provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts and three (3) platform mounted equipment cabinets on the rooftop of the Lorcom House Condominiums. The existing mounts are located on the building’s penthouse and on freestanding pipe mounts on the building’s rooftop, next to existing antennas. The proposed antennas will be mounted at the same centerline as the existing antennas and will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the building.

L. U-3292-11-1: 4241 Columbia Pike (Tanglewood Condominiums)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent use permit approval for antennas occurred in March 2010 for one (1) Clearwire Wireless antenna. The following provides information about the site:

Site: The multi-family, condominium building is located at 4241 Columbia Pike (Tanglewood Condominiums). Immediate site boundaries include:

To the north:	Our Savior Lutheran Church and 8 th Street South
To the south:	Columbia Pike
To the east:	A strip commercial center (anchored by Food Star Grocery Store) and South George Mason Drive
To the west:	South Taylor Street

Zoning: The site is zoned “RA8-18” Apartment Dwelling Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Low-Medium” (16-36 units/acre) Residential.

Neighborhood: The site is located within the Barcroft Civic Association, and the civic association was contacted about this request. As of the date of this report, the civic association has not provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts. Additionally, one (1) equipment cabinet will also be installed within the enclosed, equipment area adjacent to the Tanglewood Condominiums. The proposed antennas are located on freestanding pipe mounts on the building’s rooftop, next to existing antennas. Given the large scale of the building, the number of proposed and existing antennas on the building rooftop is appropriate and will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the building.

M. U-3293-11-1: 1415 North Oak Street (Cavalier Apartments)

BACKGROUND: There are existing approved antennas and related equipment on the site. The most recent administrative approval for antennas occurred in August 2000 for nine (9) AT&T antennas. The following provides information about the site:

Site: The 23,560 square foot site is located at 1415 North Oak Street (Cavalier Apartments). Immediate site boundaries include:

To the north:	Arlington Boulevard (US Route 50)
To the south:	14 th Street North
To the east:	North Nash Street
To the west:	The Virginia Apartment Building and North Oak Street

Zoning: The site is zoned “RA6-15” Apartment Dwelling Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Medium” Residential (32-72 units/acre).

Neighborhood: The site is located within the Radnor/Ft. Myer Heights Civic Association, and the civic association was contacted about this request. In addition, the Rosslyn Renaissance was contacted. As of the date of this report, neither organization has provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on the Cavalier Apartments building. Two (2) antennas will be individually mounted behind an existing, stealth enclosure on top of the penthouse. One (1) antenna will be mounted next to existing antennas, on the side of the chimney. Additionally, one (1) equipment frame will be installed within the building’s equipment room. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel.

N. U-3294-11-1: VDOT right-of-way, South Glebe Road (I-395 at Exit 7)

BACKGROUND: The monopole was originally installed in May 1999, and it contains existing antennas and related equipment on the site. The following provides information about the site:

Site: The existing facility is located within the VDOT right-of-way at South Glebe Road and Henry G. Shirley Memorial Highway (I-395 at Exit 7). Immediate site boundaries include:

To the north:	The Comfort Inn Pentagon and Interstate Route 395 (Henry G. Shirley Memorial Highway)
To the south:	Interstate Route 395 (Henry G. Shirley Memorial Highway)
To the east:	Interstate Route 395 (Henry G. Shirley Memorial Highway) and South Glebe Road
To the west:	United States Post Office, 2565 Shirlington Road

Zoning: The site is zoned “S-3A” Special Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Public”, Parks (*Local, regional, and federal*). Schools (*public*). Parkways, major unpaved rights-of-way. Libraries and cultural facilities.

Neighborhood: The site is located within the Nauck Civic Association and the civic association was contacted about this request. As of the date of this report, neither organization has provided comments regarding this request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts located on the monopole next to I-395 and South Glebe Road at Exit 7. Additionally, one (1) equipment frame will be installed within the adjacent equipment shelter. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the monopole.

O. U-3296-11-1: VDOT right-of-way, Lee Highway (I-66 at Exit 72)

BACKGROUND: The monopole was originally installed in March 1999, and it contains existing antennas and related equipment on the site. The following provides information about the site:

Site: The existing facility is located within the VDOT right-of-way at Lee Highway (on ramp to I-66 westbound, at Exit 72). Immediate site boundaries include:

To the north:	Lee Highway (US Route 29)
To the south:	Interstate Route 66
To the east:	Interstate Route 66 and Kirkwood Road
To the west:	The Custis Trail, single-family detached homes, and 20 th Road North

Zoning: The site is zoned “S-3A” Special Districts.

Land Use: The site is designated on the General Land Use Plan (GLUP) as “Public”, Parks (*Local, regional, and federal*). Schools (*public*). Parkways, major unpaved rights-of-way. Libraries and cultural facilities.

Neighborhood: The site is located within the Lyon Village Citizens’ Association, and the citizens’ association was contacted about this request. The citizens’ association expressed no issues with the use permit request.

DISCUSSION: AT&T is proposing to install a total of three (3) panel antennas on existing mounts located on the monopole next to I-66 and Lee Highway at Exit 72. Additionally, one (1) equipment frame will be installed within the adjacent equipment room. The proposed antennas will not create an adverse visual impact on the surrounding area. The facility will be unmanned and only requires infrequent visits by maintenance personnel. Furthermore, the proposed antennas and support structures will match the appearance of the existing antennas on the monopole.

CONCLUSION: The proposed site plan amendment and use permit requests are compliant with the County's *Telecommunications Guidelines*. The proposed antenna and equipment additions will not create an adverse visual impact on the various locations within the County. Therefore, staff recommends the following: (1) The County Board adopt the attached ordinance to approve the subject site plan amendment requests (A-B) to install antennas and related equipment on existing telecommunications facilities, subject to the proposed conditions of the staff report, and (2) The County Board approve the use permit requests (C-O) to install antennas and related equipment on existing telecommunications facilities, subject to the proposed conditions of the staff report.

A. SP #28: 5300 Columbia Pike (The Carlyle House)

Site Plan Amendment Ordinance

WHEREAS, an application for a Site Plan Amendment dated March 7, 2011, for Site Plan #28 was filed with the Office of the Zoning Administrator: and

WHEREAS, as indicated in Staff Report(s) provided for the May 14, 2011 County Board meeting, and through comments made at the public hearing before the County Board, the County Manager recommends that the County Board approve the Site Plan Amendment subject to all previous conditions and new or revised conditions; and

WHEREAS, the County Board held a duly-advertised public hearing on that Site Plan Amendment on May 14, 2011, and finds, based on thorough consideration of the public testimony and all materials presented to it and/or on file in the Office of the Zoning Administrator, that the improvements and/or development proposed by the Site Plan as amended:

- Substantially complies with the character of master plans, officially approved neighborhood or area development plans, and with the uses permitted and use regulations of the district as set forth in the Zoning Ordinance.
- Functionally relates to other structures permitted in the district and will not be injurious or detrimental to the property or improvements in the neighborhood; and
- Is so designed and located that the public health, safety and welfare will be promoted and protected.

NOW THEREFORE, BE IT ORDAINED that, as requested by an application dated March 7, 2011, for Site Plan #28, and as such application has been modified, revised, or amended to include the drawings, documents, conditions and other elements on file in the office of Zoning Administration (which drawings are hereafter collectively referred to as "Revised Site Plan Application"), for a Site Plan Amendment to allow the installation of antennas and related equipment on existing telecommunications facilities known as RPC# 28-004-072 thru -121, at 5300 Columbia Pike, approval is granted and the parcel so described shall be used according to the Revised Site Plan Application, subject to the following conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated October 4, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Columbia Forest Civic Association and the Zoning Administrator.

3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

B. SP #167: 2121 Crystal Drive (Crystal Park, Office Building #2)

Site Plan Amendment Ordinance

WHEREAS, an application for a Site Plan Amendment dated March 7, 2011, for Site Plan #167 was filed with the Office of the Zoning Administrator: and

WHEREAS, as indicated in Staff Report(s) provided for the County Board for its May 14, 2011 meeting, and through comments made at the public hearing before the County Board, the County Manager recommends that the County Board approve the Site Plan Amendment subject to all previous conditions and new or revised conditions; and

WHEREAS, the County Board held a duly-advertised public hearing on that Site Plan Amendment on May 14, 2011, and finds, based on thorough consideration of the public testimony and all materials presented to it and/or on file in the Office of the Zoning Administrator, that the improvements and/or development proposed by the Site Plan as amended:

- Substantially complies with the character of master plans, officially approved neighborhood or area development plans, and with the uses permitted and use regulations of the district as set forth in the Zoning Ordinance.
- Functionally relates to other structures permitted in the district and will not be injurious or detrimental to the property or improvements in the neighborhood; and
- Is so designed and located that the public health, safety and welfare will be promoted and protected.

NOW THEREFORE, BE IT ORDAINED that, as requested by an application dated March 7, 2011, for Site Plan #167, and as such application has been modified, revised, or amended to include the drawings, documents, conditions and other elements on file in the office of Zoning Administration (which drawings are hereafter collectively referred to as “Revised Site Plan Application”), for a Site Plan Amendment to allow the installation of antennas and related equipment on existing telecommunications facilities known as RPC# 34-020-234, at 2121 Crystal Drive, approval is granted and the parcel so described shall be used according to the Revised Site Plan Application, subject to the following conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated November 1, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.

2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Crystal City leaders and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

C. U-3282-11-1: 1900 Columbia Pike (Dorchester Apartments)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment cabinets will be installed as shown on plans dated January 20, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility's operation. The name and telephone number of the liaison shall be provided to the Columbia Heights and Penrose Civic Associations and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

D. U-3283-11-1: 1125 Patrick Henry Drive (Westover Baptist Church)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated January 14, 2011 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Westover Village Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

E. U-3285-11-1: VDOT right-of-way, Washington Boulevard (I-66 at Exit 68)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated October 4, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Arlington-East Falls Church Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.
4. The applicant agrees to install a total of seven (7) Nellie Stevens Holly trees at 5/6' tall on the site, prior to the installation of new antennas and related equipment. The applicant agrees to the replacement of these trees if they do not survive.

F. U-3286-11-1: 4102 Old Glebe Road (Walker Chapel United Methodist Church)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated February 9, 2011 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Old Glebe Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

G. U-3287-11-1: 815 18th Street S (Abingdon House Apartments)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated October 12, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Aurora Highlands Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

H. U-3288-11-1: 4020 Washington Boulevard (Quinton Arms Apartments)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated January 13, 2011 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Ballston-Virginia Square Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

I. U-3289-11-1: VDOT right-of-way, Fairfax Drive (I-66 at Exit 71)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated February 14, 2011 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.

2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Bluemont Civic Association, the Ballston-Virginia Square Civic Association, the Waycroft-Woodlawn Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

J. U-3290-11-1: 5115 Little Falls Road (The Knights of Columbus)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated October 8, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Yorktown Civic Association, the Rock Spring Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

K. U-3291-11-1: 4401 Lee Highway (Lorcom House)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated September 24, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Waverly Hills Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

L. U-3292-11-1: 4241 Columbia Pike (Tanglewood Condominiums)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated March 4, 2011 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Barcroft Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

M. U-3293-11-1: 1415 North Oak Street (Cavalier Apartments)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated October 25, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Radnor / Ft. Myer Heights Civic Association, the Rosslyn leaders and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

N. U-3294-11-1: VDOT right-of-way, South Glebe Road (I-395 at Exit 7)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated September 20, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.

2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Nauck Civic Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

O. U-3296-11-1: VDOT right-of-way, Lee Highway (I-66 at Exit 72)

Proposed Conditions:

1. The applicant agrees that the antennas and related equipment will be installed as shown on plans dated October 8, 2010 and approved by the County Board on May 14, 2011. The applicant agrees that any future installation of antennas or equipment cabinets may be reviewed and approved by the Zoning Administrator.
2. The applicant shall identify a community liaison that shall be available to address any concerns regarding the facility operation. The name and telephone number of the liaison shall be provided to the Lyon Village Citizens' Association and the Zoning Administrator.
3. The applicant agrees that any AT&T antennas on the site shall be removed within ninety (90) days after any cessation of use.

PREVIOUS COUNTY BOARD ACTIONS:

A. SP #28: 5300 Columbia Pike (The Carlyle House)

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|-------------------|---|
| June 6, 1962 | Rezoned from “RA14-26” to “RA7-16” and approved a site plan (Z-1580-62-4). |
| May 16, 1964 | Approved an amendment to the site plan. (1962 site plan and 1964 amendment expired). |
| March 14, 1973 | Approved a new site plan (Z-1580-62-4) for a 10-story apartment building with 136 dwelling units. |
| October 12, 1974 | Approved a site plan amendment for a temporary sales pavilion. |
| November 13, 2010 | Approved a site plan amendment for a freestanding building identification sign, subject to all previous conditions, with one (1) new condition. |

B. SP #167: 2121 Crystal Drive (Crystal Park, Office Building #2)

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| May 17, 1980 | Approved a rezoning from “M-1” to “C-O-1.5” and approved a related site plan (Z-2180-80-1) for a mixed use development, subject to conditions #1-#44. |
| February 5, 1983 | Approved a site plan amendment (SP #11, 56, 90, 135 and 167) for identification and directional signage for Crystal City and the Crystal Plaza Shops. |
| May 21, 1983 | Accepted withdrawal of a site plan amendment to add 120 residential units. |
| January 7, 1984 | Approved a site plan amendment to add 120 residential units, increase garage parking and revise loading dock area, subject to all previous conditions. |
| May 12, 1984 | Approved a site plan amendment to delete the common lobby between the residential buildings, relocate the lobby to the first floor of the residential buildings, and relocate the garage entrances, subject to a new landscape plan. |

July 7, 1984	Approved a site plan amendment to adjust the boundary of the Crystal Park project by removing 23,866 square feet of land from the south end and adding a like amount to the north end, and a rezoning Z-2257-84-1 to rezone the parcel from “M-1” to “C-O-1.5”.
July 13, 1985	Approved a site plan amendment to amend condition #29 to increase office gross parking area to 1,584,100 square feet and increase retail commercial from 50,000 square feet to 77,917 square feet.
December 7, 1985	Approved a site plan amendment to permit subdivision into parcels with each building being on a separate parcel of land, subject to all previous conditions with new conditions #42 and #43.
September 10, 1988	Denied a site plan amendment to amend Condition #34 to permit rooftop signs on the east and west elevations, 234 square feet each (2341 Crystal Drive).
February 11, 1989	Approved a site plan amendment for a freestanding directional sign at 2231 Crystal Drive, subject to all previous conditions.
August 12, 1989	Approved a site plan amendment (SP #11, 56, 90, 135 and 167) for a coordinated sign plan consisting of 60 new signs and retention of 13 existing signs including Metro Station and Buchanan House signage, subject to conditions.
February 9, 1991	Approved a site plan amendment (SP #11, 56, 90, 135 and 167) to amend the coordinated sign plan to permit two temporary office leasing banners, at heights below 35 feet, on two office buildings until November 27, 1991, at 1225 and 2211 Jefferson Davis Highway.
March 2, 1991	Approved a site plan amendment with amended Conditions #37 and #41 and new condition #45 and the approved comprehensive sign plan to permit construction and operation of Virginia Railway Express commuter rail platform.

July 13, 1993	Approved a site plan amendment for conversion of approximately 2,450 square feet of retail gross floor area to office use for the parcel of real property known as 2231 Crystal Drive with new condition #47.
March 18, 1995	Approved a site plan amendment for an amendment to the Crystal City Comprehensive Sign Plan to permit a rooftop sign of 531, revised to 426, square feet on the east building elevation of 2121 Crystal Drive with one (1) new condition.
November 21, 1995	Approved a site plan amendment for conversion of 1,650 square feet of gross floor area to conference facilities for the Patent and Trademark Office for the parcel of real property known as 2121 Crystal Drive with one new condition.
April 26, 2003	Approved a site plan amendment for a rooftop sign on the southwest elevation of the Crystal Park 5 Office Building subject to one (1) new condition.
September 18, 2004	Approved a site plan amendment for a rooftop signage on the Crystal Park 3 building, subject to all previous conditions and one (1) new condition.
April 22, 2006	Approved a site plan amendment to amend the comprehensive sign plan for 2345 Crystal Drive to permit signs at the garage entrance, subject to all previous conditions and two (2) new conditions.
July 8, 2006	Approved the conversion of approximately 11,000 square feet of office space to child care use, subject to eleven (11) new conditions which apply solely to the subject child care use and with a review in one (1) year (July 2007).
	Enacted an ordinance to vacate a portion of a public use easement for recreational purposes, Parcel 1 of Crystal Park (2451 Crystal Drive) subject to six (6) conditions.
September 16, 2006	Approved a site plan amendment for a rooftop sign at Crystal Park 5 (2451 Crystal Drive), subject to all previous conditions and one (1) new condition.

December 9, 2006	Approved a site plan amendment for a rooftop sign at Crystal Park 1 (2011 Crystal Drive), subject to all previous conditions and one (1) new condition.
July 7, 2007	Deferred review of conversion of approximately 11,000 square feet of office space to child care use to the July 2008 County Board meeting.
July 19, 2008	Renewed a site plan amendment for conversion of approximately 11,000 square feet of office space to child care use, subject to all previous conditions, with a County Board review in three (3) years (July 2011).
March 14, 2009	Approved a site plan amendment to convert approx. 5,900 square feet of retail space to office use at 2121 Crystal Drive (Crystal Park 2).
December 12, 2009	Approved a site plan amendment for one (1) rooftop sign on the east façade of 493.2 square feet, and deferred consideration of a second sign to February 20, 2010.
February 20, 2010	Approved a site plan amendment for a 318 square foot rooftop sign on the west façade of 2121 Crystal Drive, subject to all previously approved conditions and revised condition #34.

C. U-3282-11-1: 1900 Columbia Pike (Dorchester Apartments)

November 19, 1958	Approved a rezoning (Z-1362-58-1) of the premises and adjoining public street from “RA8-18” to “RA6-15”.
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D. U-3283-11-1: 1125 Patrick Henry Drive (Westover Baptist Church)

July 13, 1948	Granted use permit (U-95-48-1) for the purpose of operating nursery school for 30 children from four (4) to six (6) years of age from September to May inclusive, five (5) days a week, for two three hour sessions a day.
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June 16, 1951	Continued use permit (U-95-48-1) with a review in one (1) year.
June 28, 1952	Continued use permit (U-95-48-1) with a review in one (1) year.
October 10, 1967	Accepted withdrawal of a use permit request (U-1772-67-2) to operate a private school for 100 children ages 3 to 9 years of age.
September 12, 1970	Approved use permit (U-1846-70-3) for the purpose of operating a day care center for a maximum of 40 pre-school children, ages three (3) months to four (4) years, from 9:30 a.m. to 2:30 p.m. one day a week (Thursday).
June 5, 1971 to June 17, 1975	Annually reviewed and continued use permit (U-1846-70-3).
August 2, 1975	Approved use permit (U-2030-75-4) to increase enrollment from 40 to 50 children for the preschool and mother's day out programs with a review in one (1) year.
June 12, 1976	Continued use permit (U-2030-75-4) with a review in one (1) year.
June 4, 1977	Continued use permit (U-2030-75-4) with a review in one (1) year.
April 8, 1978	Approved use permit (U-2152-78-5) to increase enrollment of the nursery school (preschool Mother's Day Out Program) from 50 children to 68 children, ages infants through 4 year olds; during daytime hours- Monday through Friday.
June 3, 1978	Continued use permit (U-2152-78-5) with no further review.
March 5, 1983	Approved use permit request (U-2360-83-6) to operate an institution of an educational or philanthropic nature (services and office) with a review in one (1) year.
March 3, 1984	Continued use permit (U-2360-83-6) with no further review.

July 11, 1989	Accepted withdrawal of use permit (U-2646-89-7) for a preschool and child care center.
September 11, 1993	Approved use permit (U-2785-93-8) until June 30, 1995 for a temporary relocation of 175 students from Swanson Middle School.
November 21, 1995	Approved use permit (U-2867-95-8) for a private school including exercise classes at various times between 8:00 a.m. and 8:00 p.m. Mondays through Fridays. (The Fitness Break)
November 16, 1996	Continued use permit (U-2867-95-8) for a private school including exercise classes with an administrative review in three (3) years (November 1999).
April 10, 1999	Approved use permit (U-2960-99-1) for a non-profit community school of music, Mondays through Fridays from 9:00 a.m. to 9:45 p.m., and Saturdays from 9:00 a.m. to 6:00 p.m. for up to 450 students, ages infants to the elderly, with special events scheduled for Sundays that will not conflict with normal activities of the church.
April 8, 2000	Continued use permit (U-2960-99-1) for a community school of music, Mondays through Fridays from 9:00 a.m. to 9:45 p.m., and Saturdays from 9:00 a.m. to 6:00 p.m. for up to 450 students, ages infants to the elderly, with special events scheduled for Sundays, with a review in two (2) years (April 2002).
August 5, 2000	Approved use permit (U-2988-00-1) for a pediatric occupational therapy clinic at various times between 9:00 AM and 5:00 PM, Mondays through Fridays, with a review in one year (August 2001).
September 9, 2000	Approved use permit (U-2990-00-1) for a dance school, ballet for 40 to 65 students with a review in one year (September 2001).
November 18, 2000	Accepted withdrawal of use permit request (U-2995-00-1) for a developmental, educational, cognitive therapy clinic.

June 9, 2001	Approved a use permit amendment (U-2152-78-5) for a preschool for 85 children, subject to conditions and review in one (1) year (June 2002).
September 8, 2001	Continued use permit (U-2988-00-1) for a pediatric occupational therapy clinic at various times between 9:00 AM and 5:00 PM, Mondays through Fridays, with a review in three years (September 2004). Continued use permit (U-2990-00-1) for a dance school, ballet for 40 to 65 students with a review in one year (September 2002).
April 20, 2002	Renewed use permit (U-2960-99-1) for a community school of music, Mondays through Fridays from 9:00 a.m. to 9:45 p.m., and Saturdays from 9:00 a.m. to 6:00 p.m. for up to 450 students, ages infants to the elderly, with special events scheduled for Sundays, subject to all previous conditions and with a review in five (5) years (April 2007).
June 8, 2002	Renewed a use permit amendment for a preschool for 85 children (U-2152-78-5), subject to all previous conditions and County Board review in three years (June 2005).
September 14, 2002	Renewed a use permit for a dance school (U-2990-00-1) subject to all previous conditions and County Board review in three years (September 2005).
January 17, 2003	Approved a use permit (U-3051-02-10) for a literacy school subject to conditions and review in one (1) year (January 2004).
January 10, 2004	Discontinued a use permit (U-3051-02-10) for a literacy school.
September 18, 2004	Renewed a use permit (U-2988-00-1) for a pediatric occupational therapy clinic, subject to all previous conditions and County Board review in five (5) years (September 2009).
June 18, 2005	Renewed a use permit amendment for a preschool for 85 children (U-2152-78-5), subject to all

previous conditions and County Board review in five (5) years (June 2010).

September 17, 2005

Renewed a use permit for a dance school (U-2990-00-1) subject to all previous conditions and County Board review in five (5) years (September 2010).

April 21, 2007

Renewed use permit (U-2960-99-1) for a music school, subject to all previous conditions, one (1) new condition, and administrative review in one (1) year (April 2008) and no further scheduled County Board review.

September 26, 2009

Renewed a use permit (U-2988-00-1) for a pediatric occupational therapy clinic, subject to all previous conditions and with no further scheduled County Board review.

E. U-3285-11-1: VDOT right-of-way, Washington Boulevard (I-66 at Exit 68)

There are no previous County Board actions on this property.

F. U-3286-11-1: 4102 Old Glebe Road (Walker Chapel United Methodist Church)

July 26, 1952

Approved use permit (U-1052-52-1) for the purpose of conducting a nursery and kindergarten.

June 27, 1953

Renewed use permit (U-1052-52-1) for the purpose of conducting a nursery and kindergarten. Renewed each year until June 30, 1962.

May 4, 1974

Approved use permit (U-1968-74-2) for the purpose of operating a day care program for 20 children, ages infants to 5 years, one day weekly, from 9 a.m. to 2 p.m. Renewed each year until June 3, 1978 with no further review (administrative increase to 25 children was approved on May 2, 1985).

November 15, 1980

Approved use permit (U-2266-80-3) for the purposes of operating a dormitory for the housing of youth groups visiting the Washington, D.C. area for up to a maximum of 50 persons at any one time.

November 14, 1981	Renewed use permit (U-2266-80-3) for the purposes of operating a dormitory for the housing of youth groups visiting the Washington, D.C. area for up to a maximum of 50 persons at any one time, with no further review.
July 19, 2008	Approved use permit for 35 secondary parking spaces for use by Marymount University faculty, subject to proposed conditions, and with a County Board review in one (1) year (July 2009).
July 11, 2009	Renewed use permit for 35 secondary parking spaces for use by Marymount University faculty, subject to all previous conditions, and with a County Board review in two (2) years (July 2011).

G. U-3287-11-1: 815 18th Street S (Abingdon House Apartments)

December 12, 2009	Approved use permit (U-3232-09-1) for the addition of two (2) dish antennas to an existing telecommunications facility, subject to the conditions of the staff report.
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H. U-3288-11-1: 4020 Washington Boulevard (Quinton Arms Apartments)

There are no previous County Board actions on this property.

I. U-3289-11-1: VDOT right-of-way, Fairfax Drive (I-66 at Exit 71)

There are no previous County Board actions on this property.

J. U-3290-11-1: 5115 Little Falls Road (The Knights of Columbus)

January 1985	Approved a use permit for a school for ballroom dancing and social graces for young people.
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January 1986	Renewed use permit for a school for ballroom dancing and social graces for young people.
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December 1989	Discontinued use permit for a school for ballroom dancing and social graces for young people.
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March 2000	Approved use permit for the operation of a summer day camp program for 115 children during June, July, and August.
October 2000	Renewed use permit for the operation of a summer day camp program for 115 children during June, July, and August
October 2001	Renewed use permit for the operation of a summer day camp program for 115 children during June, July, and August
May 2002	Amended use permit use permit for the operation of a summer day camp program to increase enrollment.
May 2004	Renewed use permit for the operation of a summer day camp
September 2006	Deferred a use permit to install an unmanned radio telecommunications facility on the rooftop of the existing building.
November 2006	Deferred a use permit to install an unmanned radio telecommunications facility on the rooftop of the existing building.
January 2007	Deferred a use permit to install an unmanned radio telecommunications facility on the rooftop of the existing building.
April 2007	Deferred a use permit to install an unmanned radio telecommunications facility on the rooftop of the existing building.
July 2007	Accepted withdrawal of use permit to install an unmanned radio telecommunications facility on the rooftop of the existing building.
December 2008	Accepted withdrawal of use permit for accessory parking for a maximum of 80 vehicles for the Yorktown High School project.
May 2009	Approved U-3211-08-3 for accessory parking at 5115 Little Falls Rd.

Telecommunications Facilities: Plans

A. SP #28

PROJECT DESCRIPTION

THIS PROPOSAL IS FOR AN UNMANNED TELECOMMUNICATIONS FACILITY, CONSISTING OF THE ADDITION OF THREE (3) PANEL ANTENNAS (1 PER SECTOR) ON EXISTING ANTENNA MOUNTS ON THE ROOF OF THE COLUMBIA PIKE BUILDING AND THE ADDITION OF EQUIPMENT IN THE EXISTING EQUIPMENT ROOM.

PROJECT INFORMATION

APPLICANT: AT&T MOBILITY CORPORATION
7150 STANDARD DRIVE
HANOVER, MD, 21076

LANDLORD/PROPERTY OWNER: CARLYLE HOUSE CONDOS
5300 COLUMBIA PIKE
ARLINGTON, VA 22204

JURISDICTION: ARLINGTON COUNTY, VA

PROPERTY INFORMATION: LATITUDE: N 38.854'
LONGITUDE: W 77.1166'

BECHTEL CORPORATION: BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD, 21046

CONSULTANT: GLOBAL ENERCOM MANAGEMENT, INC.
1220 OLD ALPHARETTA RD.
SUITE 390
ALPHARETTA, VA 22004
PH: 678-548-7781

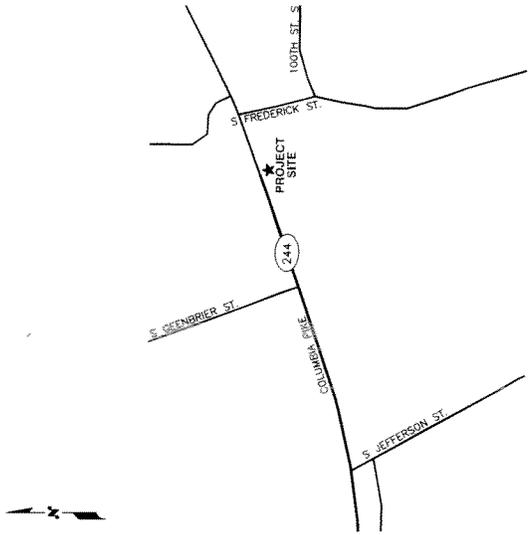
HANDICAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS NOT REQUIRED.



**SITE NAME: COLUMBIA PIKE
SITE ID NUMBER 1195**

VICINITY MAP

DIRECTIONS: 395 S TO RT 7 W VIA EXIT 5 TURN RIGHT ON TO S JEFFERSON ST. TURN RIGHT ON TO VA 244 COLUMBIA PIKE. SITE IS HALF MILE FROM TURN.



RF DATA SHEET

DATE ISSUED: 4/26/2010 VERSION: LTE_V02.1

DRAWING INDEX

TITLE SHEET	REV
T1 PROJECT NOTES	A
C2 SITE & ROOFTOP DETAILS	A
C3 EQUIPMENT, ANTENNA AND SITE DETAILS	A
C4 LTE & GPS ANTENNA AND GROUNDING DETAILS	A
C5 LTE CONFIGURATION AND WIRING	A
C6 LTE SCHEMATIC WIRING DIAGRAM	A
C7 RET CONTROL DIAGRAM (TYPICAL)	A
C8 RAYCAP DC-2 AND RRR DETAILS	A
C9 MISCELLANEOUS WIRING DIAGRAMS	A

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 (LAJ) FOR THE LOCATION OF THE WORK. THE MOST RECENT EDITION OF THE ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE: INTERNATIONAL BUILDING CODE 2006 WITH LOCAL AMENDMENTS
ELECTRICAL CODE: NEC 2005 WITH LOCAL AMENDMENTS
LIGHTNING PROTECTION CODE: NFPA 780-2004

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
1. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
3. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-C, STRUCTURAL STANDARDS FOR ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; TIA 607, COMMERCIAL BUILDING CODES AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
4. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND SURFACE AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM (IEEE 1100 (1989) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT (IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION)
5. TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS - TELECOM, ENVIRONMENTAL PROTECTION
6. 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.

A&E DESIGN PACKAGE REVIEW STATUS

1. ACCEPTED - NO COMMENTS, PROCEED
2. COMMENTS
 - A. SAC info missing/incomplete
 - B. A/E did not follow directions provided
 - C. Site owner requested changes
 - D. Design input changes (ie: RF zoning required)
 - E. Revised site design
 - F. Design deviation from standard
 - G. Omissions
 - H. A/E generated change in design
 - I. A/E changed site design
 - J. OTHER

Permission to proceed does not constitute acceptance or approval of design details, calculations, analyses, test methods or materials developed or selected by the supplier and does not relieve supplier from full compliance with contractual obligations.

Reviewed by: (RE/PE) _____ Date: _____
RF ENGINEER SA MARKET LEAD CONSTRUCTION

SEAL

GLOBAL ENERCOM MANAGEMENT INC.
1220 Old Alpharetta Road, Suite 390
Alpharetta, GA 30005
PHONE: 678-513-7181
FAX: 678-455-9223

**SITE NAME: COLUMBIA PIKE
SITE NO.: 1195**
5300 COLUMBIA PIKE
ARLINGTON, VA 22204

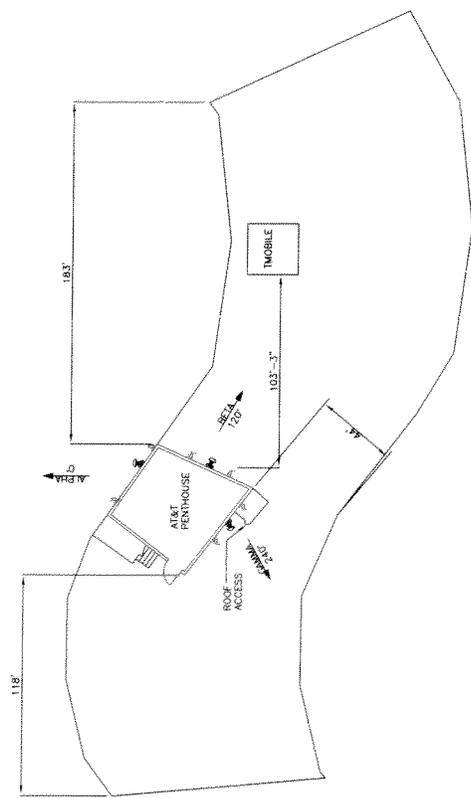
7150 STANDARD DRIVE
HANOVER, MD 21076

ISSUED FOR REVIEW	NO. DATE	REVISIONS	BY	DATE
A	10/4/10	TM DS VP	BY CHAMP	

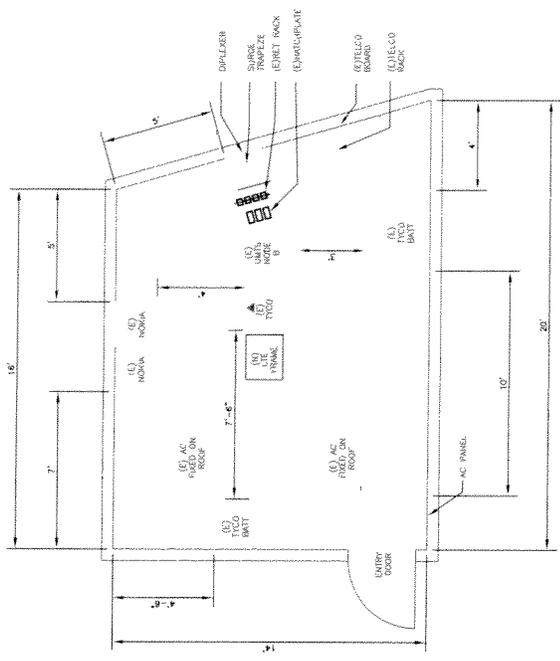
DESIGNED BY: DRAWN BY: TMV

"Professional Certification, I hereby certify that the design was prepared or approved by me, and that I am a duly licensed professional engineer".
Expiration Date: _____

TITLE SHEET	
DRAWING NUMBER	REVISION NUMBER
694103	T1
	A



1 ROOFTOP PLAN
SCALE: 1/8" = 1'-0"



SEAL:

2 EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

GLOBAL ENERGY MANAGEMENT, INC.
1220 Old Alpharetta Road, Suite 380
Alpharetta, GA 30005
PHONE: 678-513-7781
FAX: 678-436-9223

SITE NAME: COLUMBIA PIKE
SITE NO.: 1195
5300 COLUMBIA PIKE
ARLINGTON, VA 22204

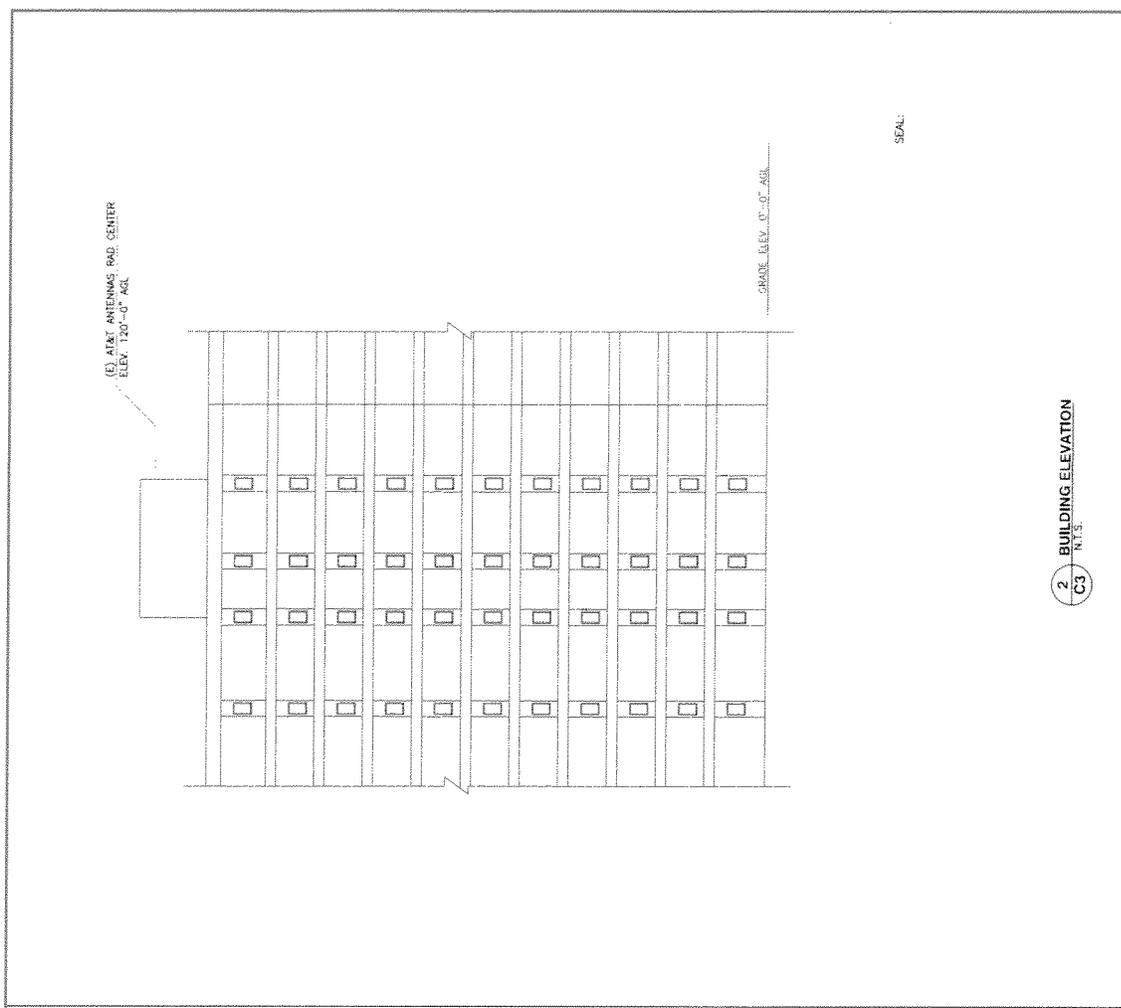
at&t
Mobility
7150 STANDARD DRIVE
HANOVER, MD 21076

NO.	DATE	ISSUED FOR REVIEW	BY	DESIGNED BY	SCALE	REVISIONS
1	10/2/10		TM	DS	UP	

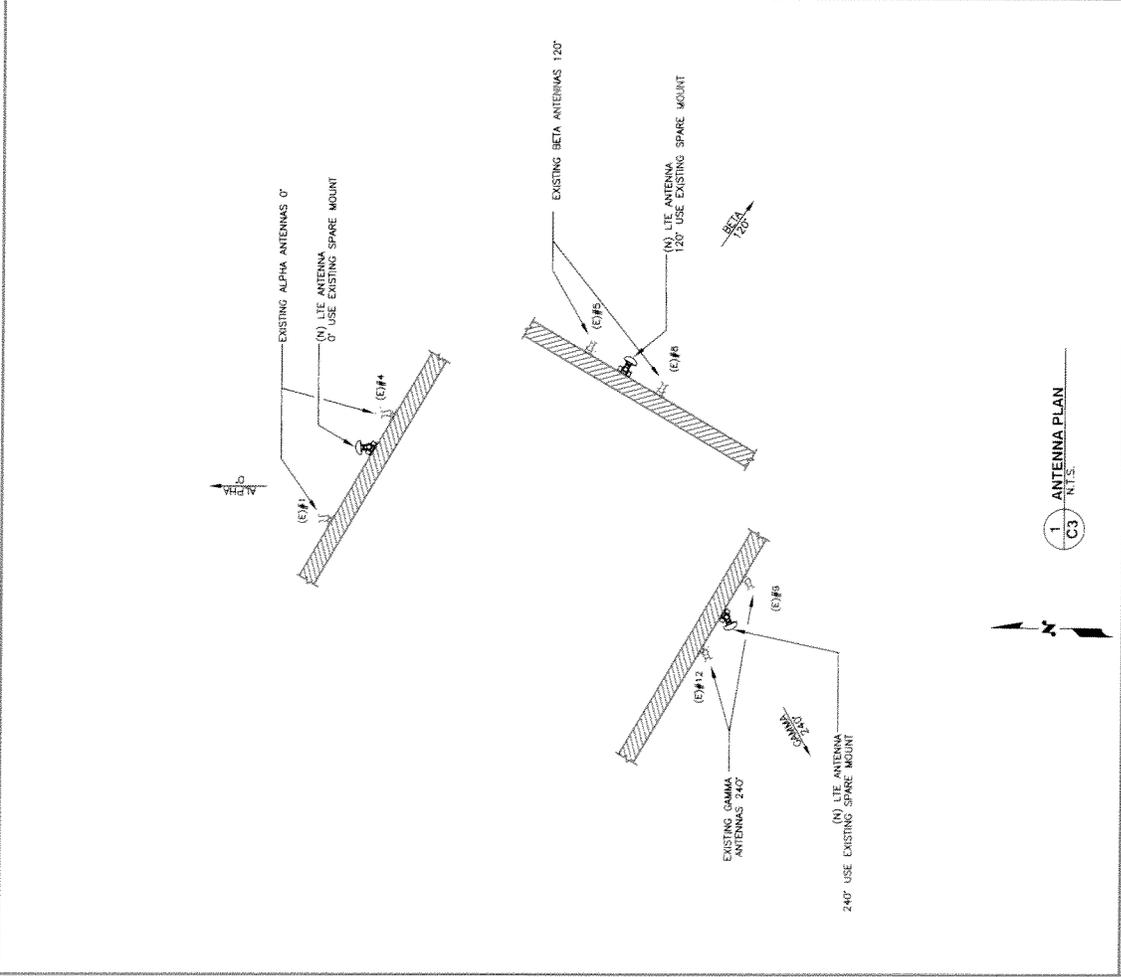
Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer.
Expiration Date:

SHEET NUMBER	TOTAL SHEETS	DATE	REVISION NUMBER
694103	C2		A

SITE & ROOFTOP DETAILS



1 ANTENNA PLAN
C3 N.T.S.



2 BUILDING ELEVATION
C3 N.T.S.

SEAL:

GLOBAL ENERCOM MANAGEMENT, INC.
12201 31st Alpharetta Road, Suite 300
Alpharetta, GA 30005
PHONE: 678-513-7781
FAX: 678-456-8223

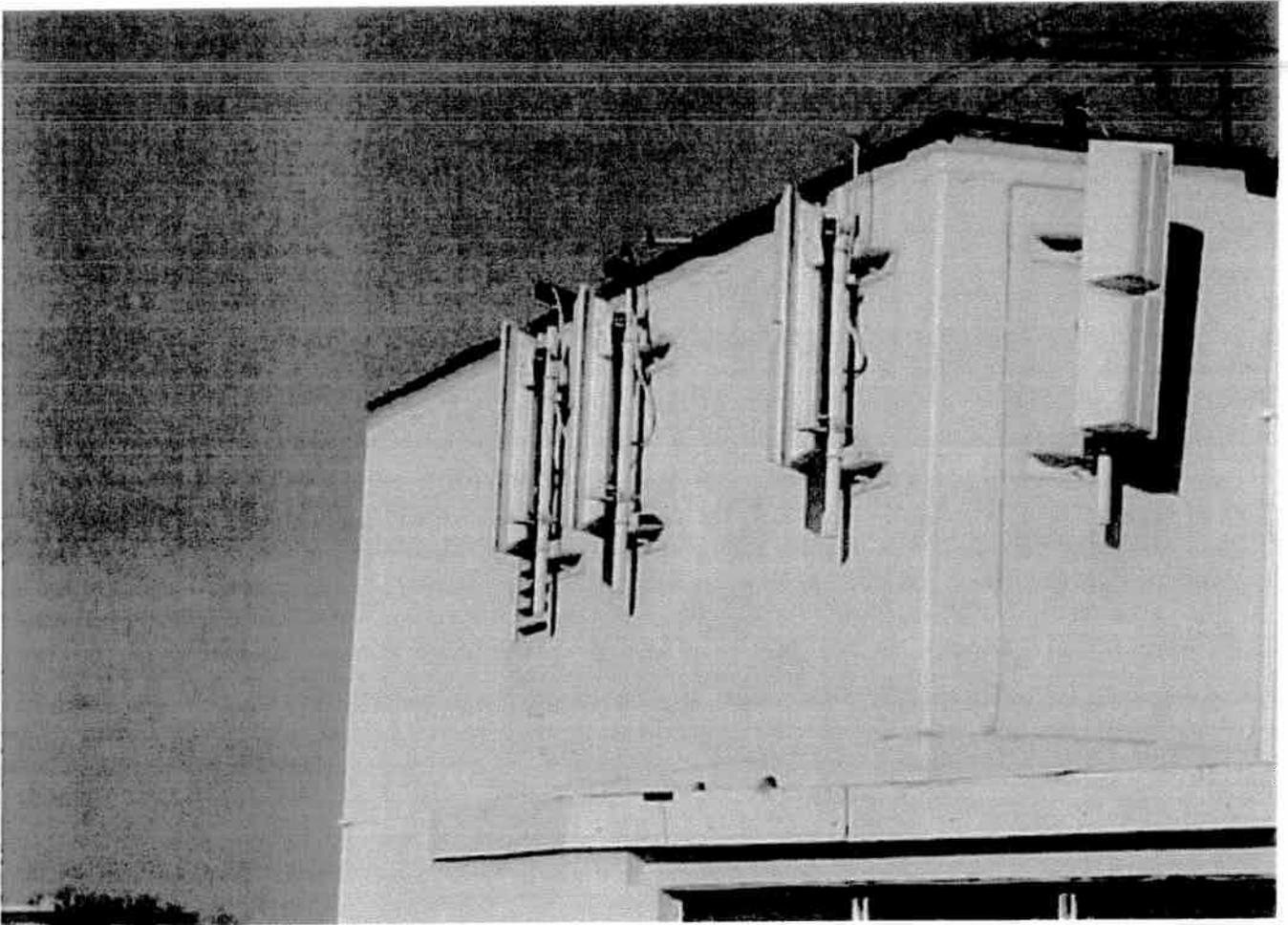
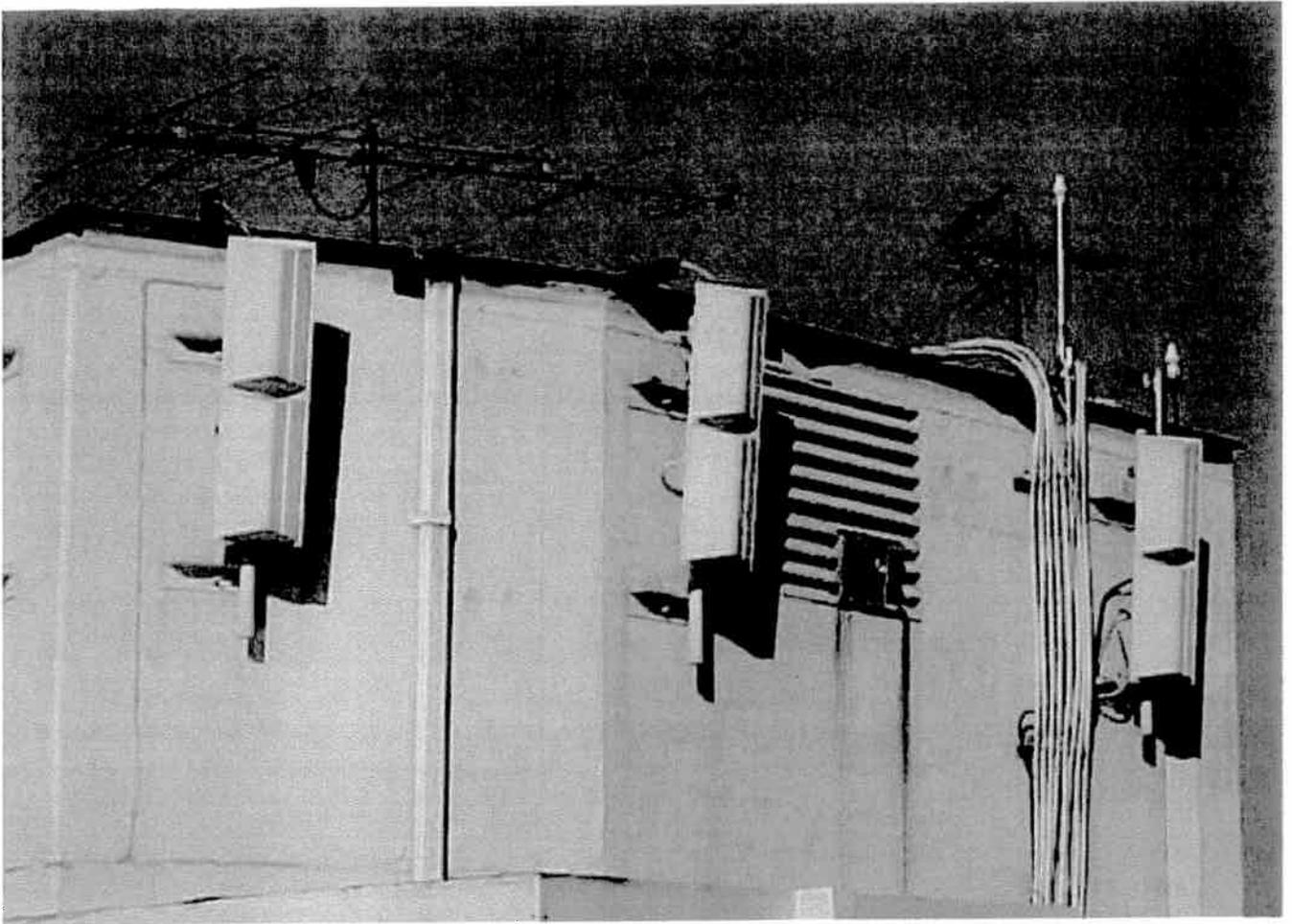
SITE NAME: COLUMBIA PIKE
SITE NO.: 1195
5300 COLUMBIA PIKE
ARLINGTON, VA 22204

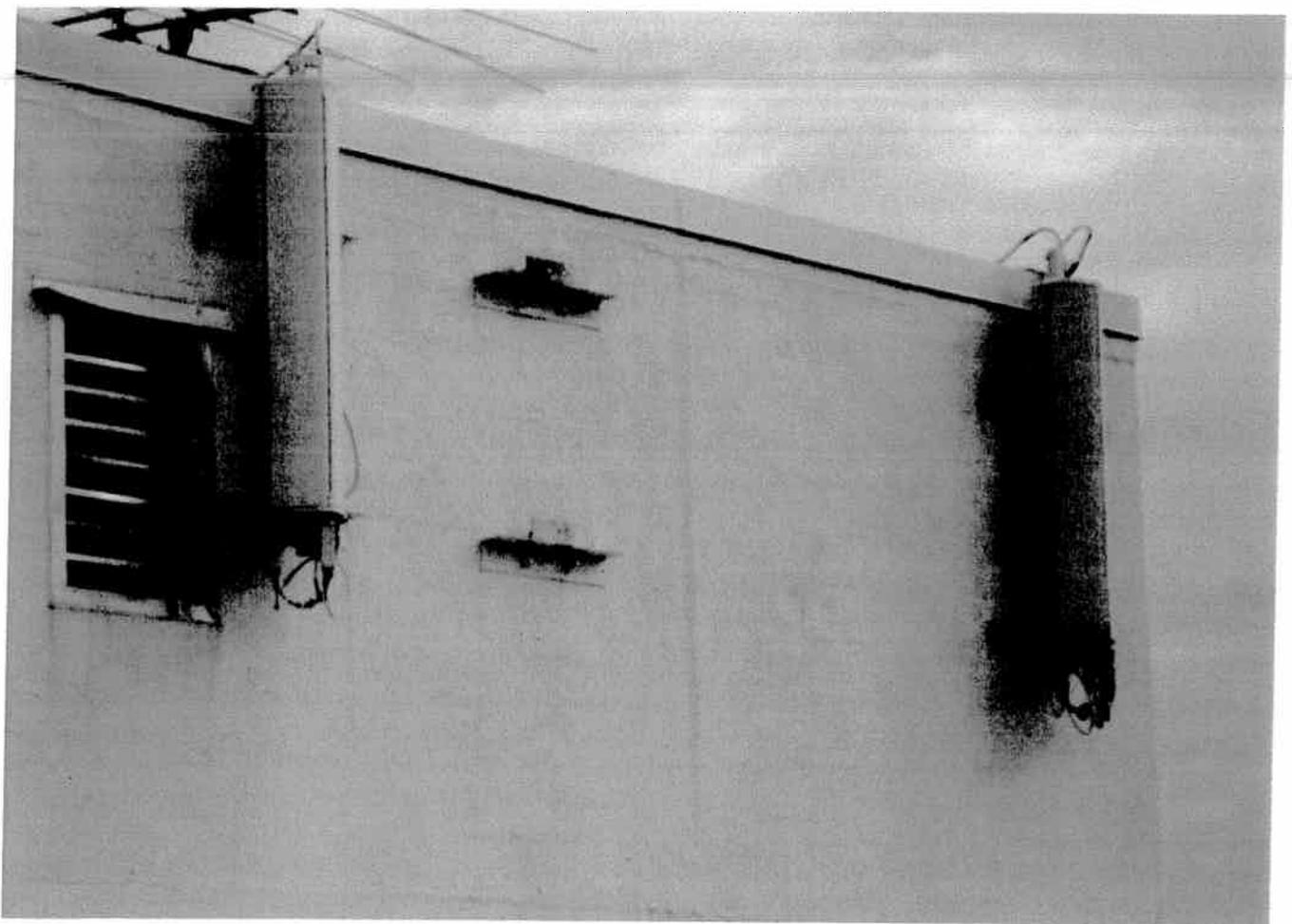
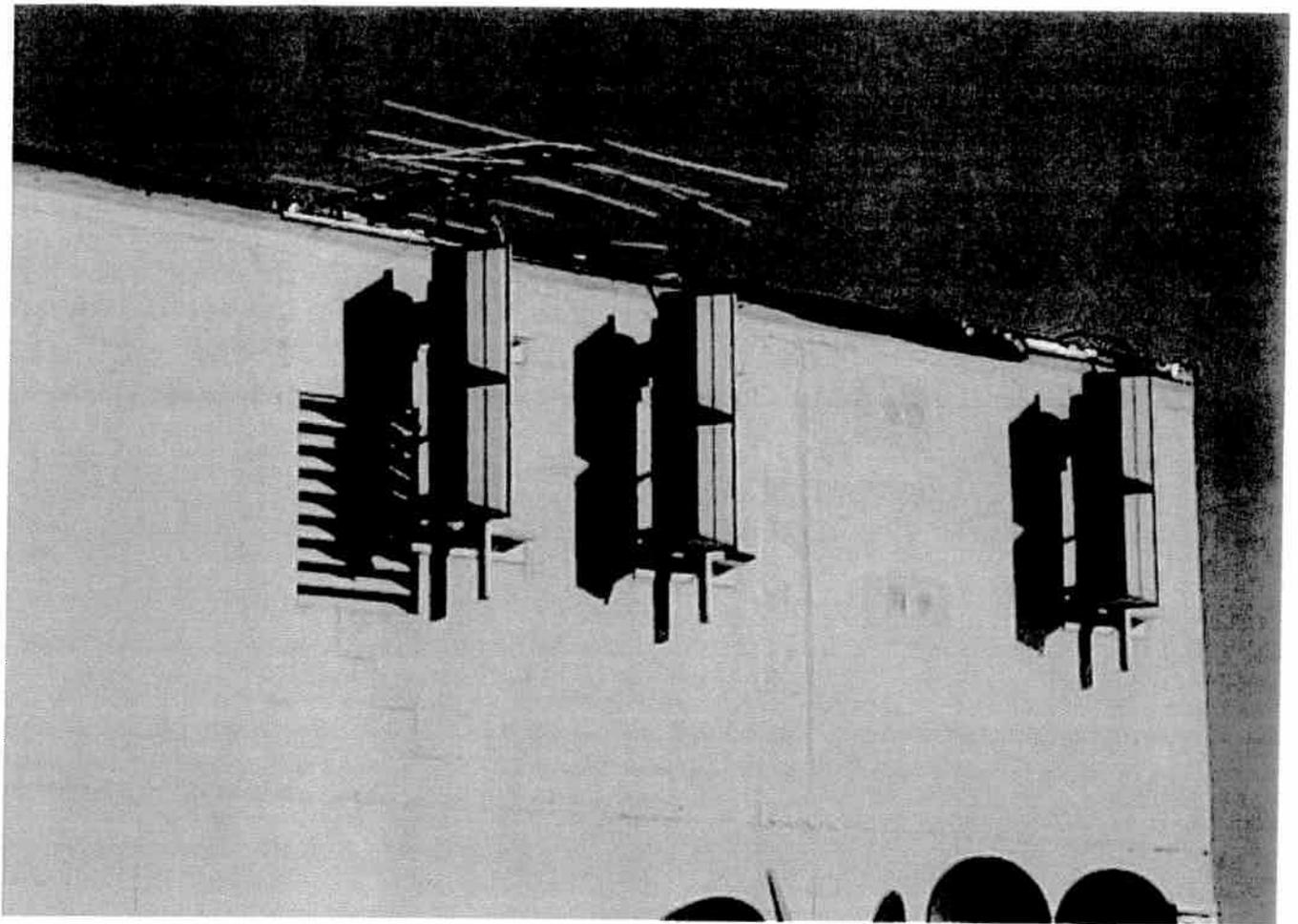
at&t
Mobility
7150 STANDARD DRIVE
HANOVER, MD 21076

NO. DATE	ISSUED FOR REVIEW	BY	DATE
A 10/4/10		BT (JAW/PTD)	
REVISIONS		DESIGNED BY:	
SCALE: NTS		DRAWN BY: NTM	

*Professional Certification. I hereby certify that these documents were prepared or approved by me, and I am a duly licensed professional engineer. Expiration Date:

EQUIPMENT, ANTENNA & SITE DETAILS	PROJECT NUMBER	REVISION NUMBER
694103	C-3	A





B. SP #167

PROJECT DESCRIPTION

THIS PROPOSAL IS FOR AN UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF ADDING THREE (3) NEW LTE ANTENNAS (1 PER SECTION) TO EXISTING SITEMOUNTS, ADDING THREE (3) UNITS TO EXISTING SITEMOUNTS AND E-RAN'S AND 3 KIOSKS ON EXISTING SITEMOUNTS. ALSO ADDING REQUIRED EQUIPMENT TO THE SHELTER.

PROJECT INFORMATION

APPLICANT:	LANDLORD/PROPERTY OWNER:
AT&T MOBILITY CORPORATION 7150 STANDARD DRIVE HANOVER, MD 21076	2121 CRYSTAL DRIVE ARLINGTON, VA 22202
APPLICANT REPRESENTATIVE:	JURISDICTION:
BRIGHT COMMUNICATIONS 9200 BELLEFAY ROAD COLUMBIA, MD 21046	ARLINGTON COUNTY, VA
SECURITY CORRELATION:	PROPERTY INFORMATION:
BRIGHT COMMUNICATIONS 9200 BELLEFAY ROAD COLUMBIA, MD 21046	2121 CRYSTAL DRIVE ARLINGTON, VA 22202
CONSULTANT:	LOCATION:
GLOBAL ENERGY MANAGEMENT, INC. 1220 OLD ALPHARETTA RD. SUITE 390 ALPHARETTA, GA 30005 PH: 678-564-1781	LATITUDE: N 38.85551° LONGITUDE: W -77.04851°
RF DATA SHEET	HANDCAP REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDCAP ACCESS NOT REQUIRED.

DRAWING INDEX

TITLE SHEET	REV
C1 PROJECT NOTES	2
C2 SITE PLAN	2
C3 EQUIPMENT AND ANTENNA LAYOUT	0
C4 EQUIPMENT LAYOUT AND BUILDING ELEVATIONS	1
C5 LTE & GPS ANTENNA AND GROUNDING DETAILS	0
C6 LTE CONFIGURATION AND WIRING	0
C7 LTE SCHEMATIC WIRING DIAGRAM	0
C8 RET CONTROL DIAGRAM (TYPICAL)	0
C9 RAYCAP DC-2 AND RHH DETAILS	0
C10 MISCELLANEOUS WIRING DIAGRAMS	0

GLOBAL ENERGY MANAGEMENT, INC.
1220 Old Alpharetta Road, Suite 390
Alpharetta, GA 30005
PHONE: 678-564-1781
FAX: 678-452-9223

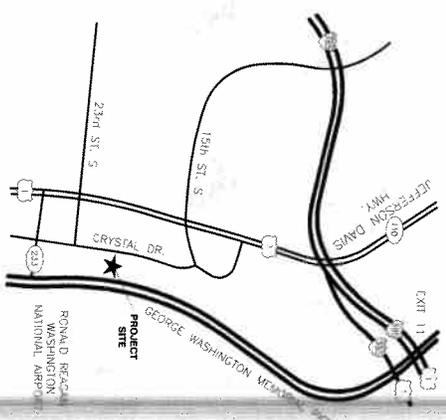
SITE NAME: KOONTZ PORT
SITE NO.: 1181
2121 CRYSTAL DRIVE
ARLINGTON, VA 22202

at&t
Mobility
7150 STANDARD DRIVE
HANOVER, MD 21076



SITE NAME: KOONTZ PORT
SITE ID NUMBER: 1181

VICINITY MAP



DIRECTIONS:
Take I-495, Exit 11 to George Washington Pkwy South for 1.8 miles, go to SR-213, turn right for west for 2.1 miles to the right for 1 mile to 2380 St. Turn right, go to Crystal Dr. and turn left. The site will be on the right.

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 (AND) FOR THE LOCATION OF THE ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
BUILDING CODE: INTERNATIONAL BUILDING CODE 2006, WITH LOCAL AMENDMENTS
ELECTRICAL CODE: NEC 2005 WITH LOCAL AMENDMENTS
LIGHTNING PROTECTION CODE: NFPA 780-2004

- SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
 1. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION, 13TH EDITION
 3. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES, 1A 607, COMMERCIAL BUILDING
 4. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDENCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM, IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRIC EQUIPMENT, IEEE C62 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION
 5. TELECOM ON-1275, GENERAL INSTALLATION REQUIREMENTS
 6. TELECOM ON-1276, 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.

A&E DESIGN PACKAGE REVIEW STATUS

<input type="checkbox"/> ACCEPTED - NO COMMENTS, PROCEED <input type="checkbox"/> COMMENTS		<input type="checkbox"/> Design deviation from standard <input type="checkbox"/> Disasters	
<input type="checkbox"/> SAC info missing/incomplete <input type="checkbox"/> A/E 919 not follow practices provided <input type="checkbox"/> Site owner requests changes <input type="checkbox"/> Design input changes in RF zoning required <input type="checkbox"/> A/EI changed site design <input type="checkbox"/> Revised site design		<input type="checkbox"/> A/E generated change in design <input type="checkbox"/> A/EI changed site design <input type="checkbox"/> OTHER	
*Permitted to proceed does not constitute acceptance or approval of design details, calculations, and/or fees. Test methods or materials developed or selected by the supplier and does not relieve supplier from full compliance with contractual obligations.			
Reviewed by: GBE/PCD	Date:		
RF ENGINEER	SA	MARKET LEAD	CONSTRUCTION

NO.	DATE	REVISION	BY	CHKD BY
1	11/28/11	ISSUED FOR PERMITS	SA	SA
2	3/24/11	REVISED SITE PLAN	SA	SA
3	1/18/11	ISSUED FOR CONSTRUCTION	SA	SA
4	9/25/07/0	ISSUED FOR REVIEW	SA	SA
5	10/12/07	ISSUED FOR REVIEW	SA	SA
6	01/01/07	ISSUED FOR REVIEW	SA	SA

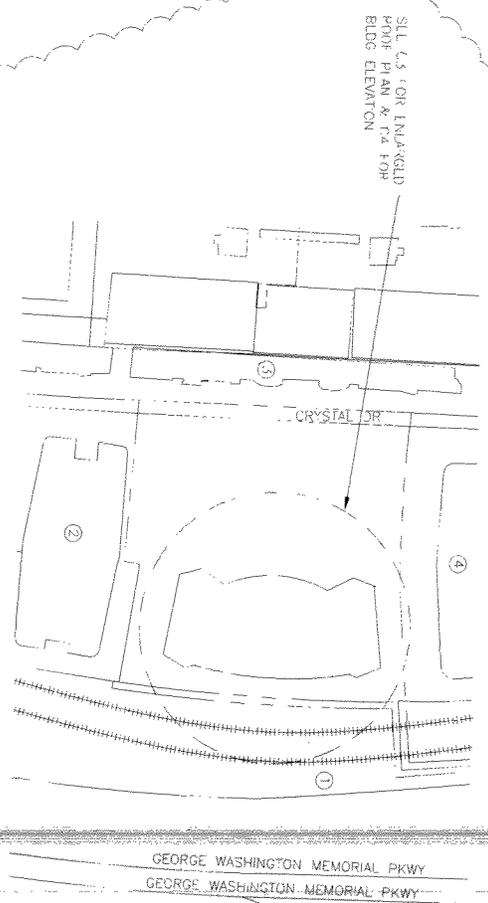
Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer.

DESIGNED BY: BRAWN BR: CB	DATE: 6/9/11/7	TITLE SHEET	DRAWING NUMBER: 11	REVISION NUMBER: 1
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SITE NAME: KOONTZ PORT
SITE NO.: 1181
 2121 CRYSTAL DRIVE
 ARLINGTON, VA 22202



7150 STANDARD DRIVE
 HANNOVER, MD 21076



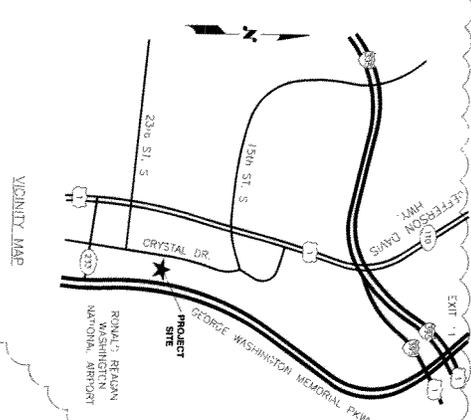
SITE PLAN
 SCALE: 1" = 90'

NOTES:

1. GESC PARK FOUR, LAND LLC
 ZONE: C-0-1.5
 USE: VACANT LAND
 SP #1: 59,578
2. GESC PARK - TREE LAND LLC
 ZONE: C-0-1.5
 USE: -ORIG. SERVICE CORP
 SP #1: 59,579
3. GESC PARK '97 LLC
 ZONE: C-0-1.5
 USE: OFFICE BLDG/STORES
 SP #1: 185,629
4. GESC PARK ONE LAND LLC
 ZONE: C-0-1.5
 USE: OFFICE BLDG/STORES
 SP #1: 122,222

GENERAL NOTES:

1. APP. REAR
2. PROPERTY OWNERS: AT&T, 7150 STANDARD DRIVE, HANNOVER, MD 21076
3. SITE ADDRESS: GESC PARK TWO, LLC, 210 RT. 4 EAST, PARAMOUNT, MD 07632
4. SITE DATA: 2121 CRYSTAL DRIVE, ARLINGTON, VA 22202
5. THE PROPOSED WORK WILL INCLUDE THE ADDITION OF AN ANTENNA PER SECTION 3.1.1 OF THE ZONING ORDINANCE IN THE EXISTING ROOFTOP SHELF.
6. NO WATER OR SANITARY CONNECTIONS ARE REQUIRED - CH.
7. TOTAL REQUIREMENTS ARE 0 SQUARE FEET (INTERIOR COVER).



VICINITY MAP

NO.	DATE	DESCRIPTION	BY	CHKD BY
1	3/2/11	REVISED SITE PLAN	CS	BS
2	10/19/10	ISSUED FOR REVIEW	CS	BS
3	10/19/10	ISSUED FOR REVIEW	CS	BS
4	10/19/10	ISSUED FOR REVIEW	CS	BS
5	10/19/10	ISSUED FOR REVIEW	CS	BS
6	10/19/10	ISSUED FOR REVIEW	CS	BS
7	10/19/10	ISSUED FOR REVIEW	CS	BS
8	10/19/10	ISSUED FOR REVIEW	CS	BS
9	10/19/10	ISSUED FOR REVIEW	CS	BS

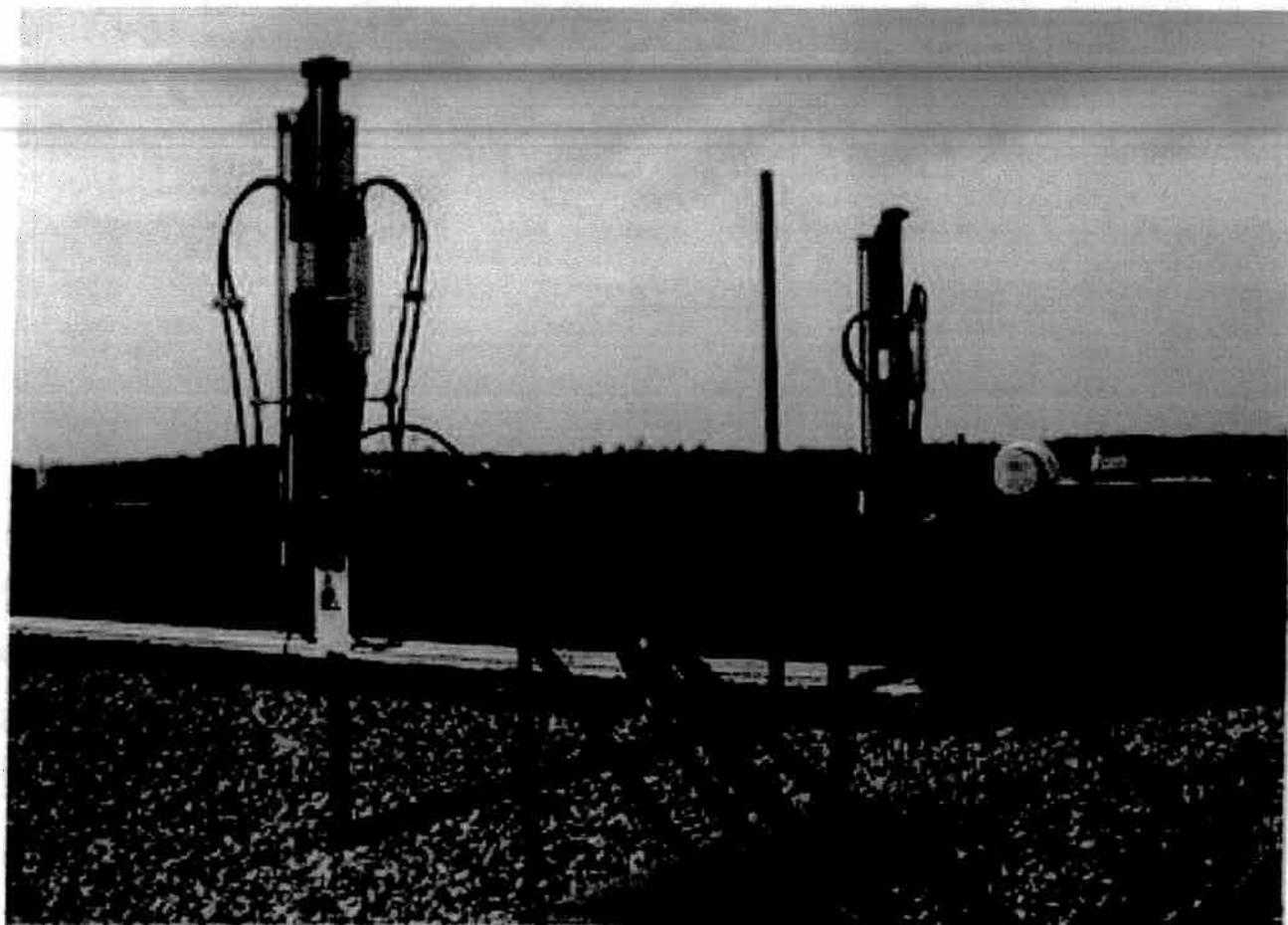
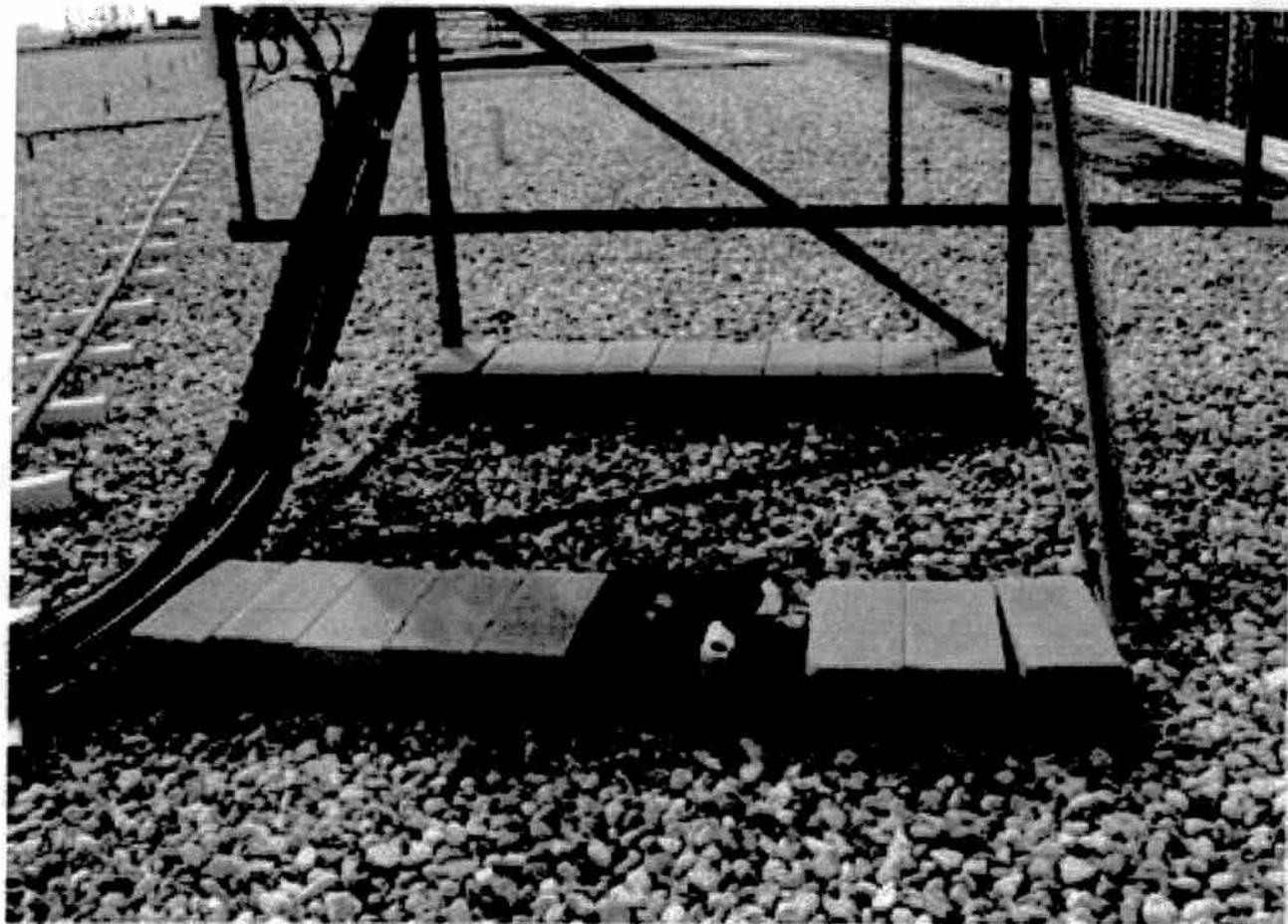
Professional Certification. I hereby certify that these documents were prepared or approved by me, and I am a duly licensed professional engineer. My registration number is: 694137. Expiration Date: 6/30/12.

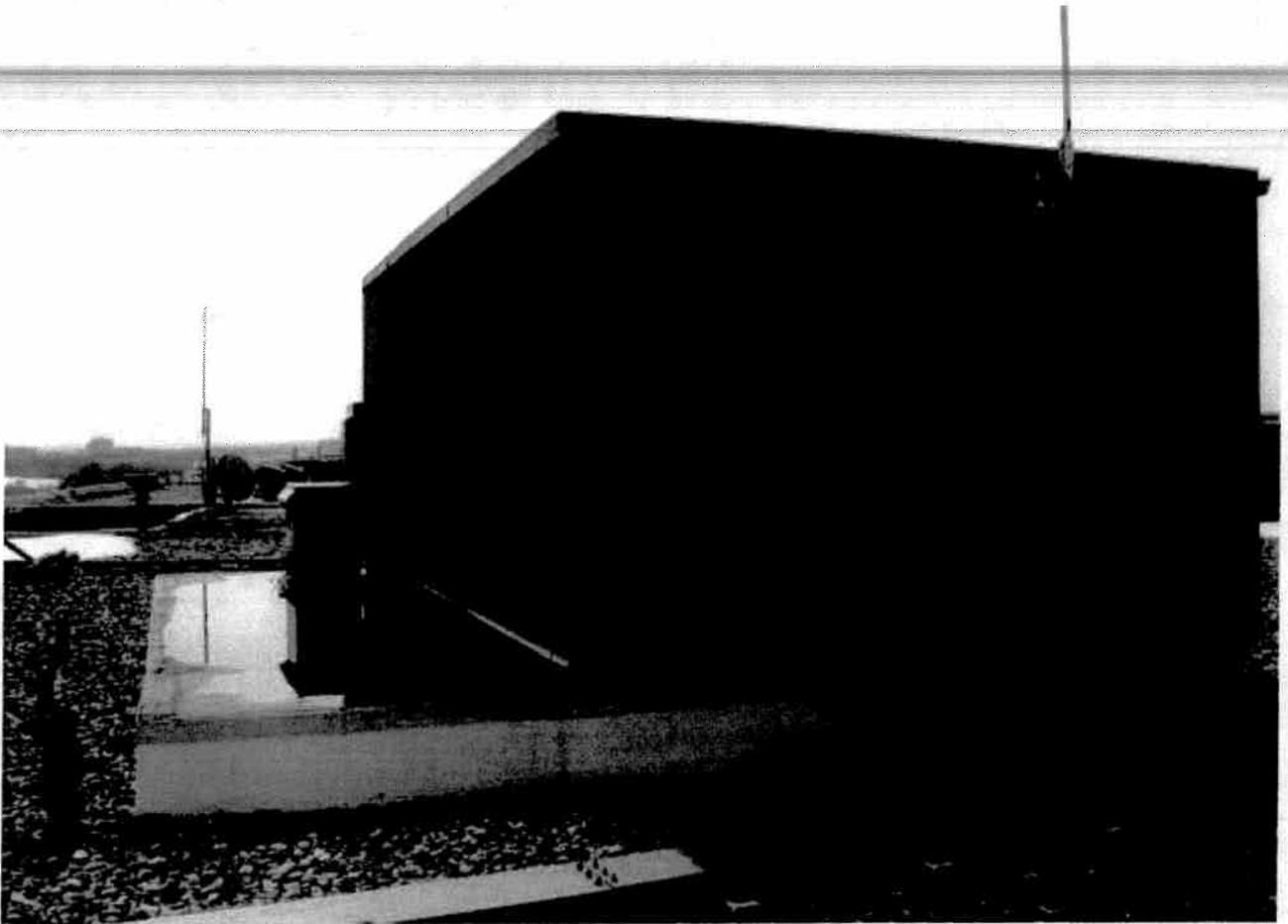
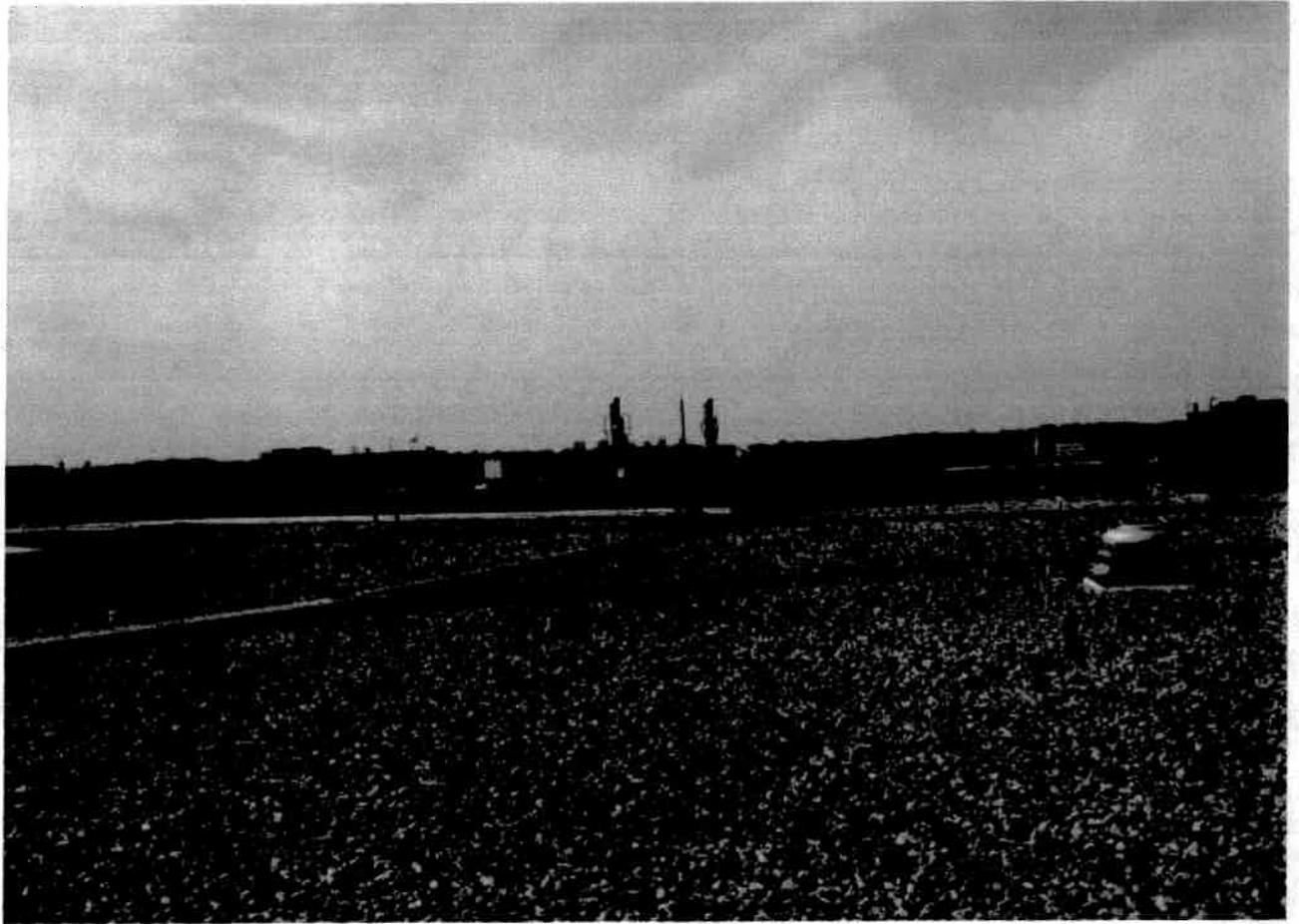
DATE	DESCRIPTION	BY	CHKD BY
6/30/11	DESIGNED BY	DRAWN	3P - DB

SITE PLAN

CLIENT NUMBER	DRAWING NUMBER	REVISION NUMBER
694137	(2)	2







C. U-3282-11-1



2010237.01, 1/44

EXISTING SITE PLAN

N.T.S.



BECHTEL COMMUNICATIONS
 9200 BERGER ROAD
 COLUMBIA, MD 21046



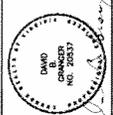
GPD ASSOCIATES
 CLAUDE PYLE SCHOMER BURNS & DEHAVEN INC.
 820 South Main Street, Suite 2531 Akron, Ohio 44311
 330-572-2100, Fax 330-572-2101

SITE NAME: COURT HOUSE
SITE ID NUMBER: 2848
 1900 COLUMBIA PIKE
 ARLINGTON, VA 22204



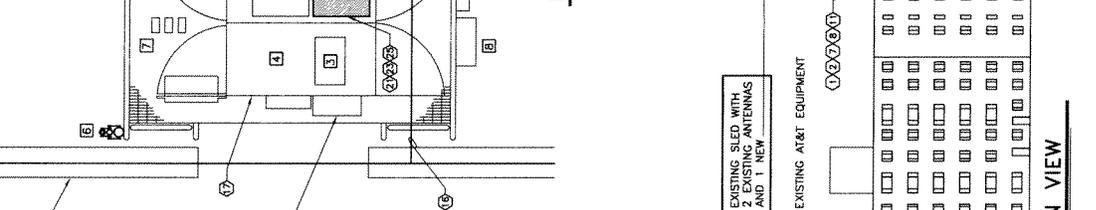
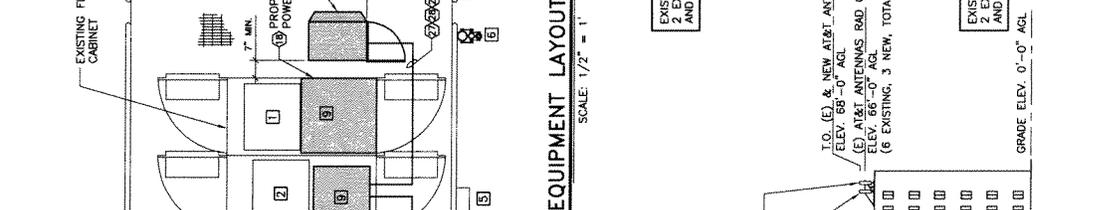
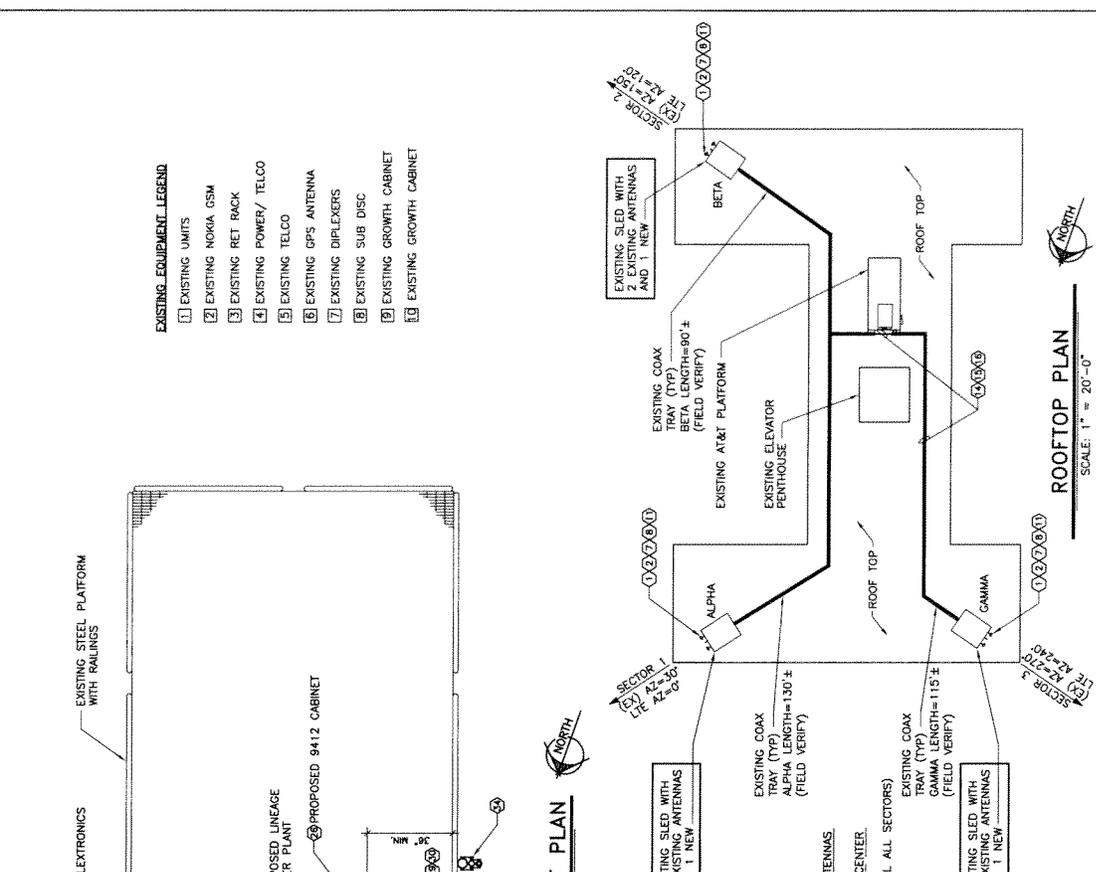
7150 STANDARD DRIVE
 FANOVER, MD 21078

NO.	DATE	REVISIONS / ISSUANCE	BY	CHK	MPX
0	12/14/10	ANTENNA LOCATIONS CLAIMED	EAS	EAS	EAS
DESIGNED BY: EAS | DRAWN BY: SCB | SCALE: AS SHOWN					



AT&T LTE PROJECT

EXISTING SITE PLAN
 DRAWING NUMBER: 2848-SP-1



- SCOPE OF WORK:**
- RELO EXISTING ANTENNAS FROM 1.5.9 TO 2.6.10
 - INSTALL (1) NEW KAHRREN LITE ANTENNA ON EACH SECTOR
 - INSTALL (1) NEW KAHRREN LITE ANTENNA ON EACH SECTOR PER SECTOR (3 TOTAL)
 - RELOC EXISTING SUB RET CABLE FROM (E) ANTENNA TO NEW LITE ANTENNA (3 TOTAL)
 - INSTALL (1) NEW 5M RET CABLE FROM (E) ANTENNA TO (E) ANTENNA (3 TOTAL)
 - INSTALL (1) NEW 1M RET CABLE ON LITE ANTENNA BETWEEN (E) ANTENNA (3 TOTAL)
 - INSTALL (3) UNISTRUT FRAMES FOR RRH'S / DC'S ON SLED MOUNTS
 - PREP FOR (2) RRH'S PER SECTOR ON NEW UNISTRUT FRAMES - I.E. GROUNDS (6 TOTAL)
 - INSTALL (4) JUMPERS FROM RRH TO ANTENNA PER SECTOR (12 TOTAL)
 - INSTALL (4) FEMALE DC STOPS ON RRH END OF JUMPERS (12 TOTAL)
 - INSTALL (1) RAYCAP DC2 UNIT AT EACH SECTOR FRAME ON UNISTRUT (3 TOTAL)
 - INSTALL (1) 1" FLEX CONDUIT FROM RAYCAP DC2 TO RRH FOR DC CABLE (60 LF)
 - ZIP TIE FIBER FROM RAYCAP UNIT TO RRH ON 1" FLEX CONDUIT (60 LF)
 - INSTALL (3) 2" INNERDUCT FROM DC2 TO FLEX (60M, 80M, 80M) 1574 LF
 - INSTALL (6) NEW FIBER CABLES FROM DC2 TO FLEX (60M, 80M, 80M) 1574 LF
 - INSTALL (2) NEW 3-PORT HATCHPLATE ON FLEX
 - INSTALL (1) NEW FRAME IN FLEX BAY
 - INSTALL (1) NEW RAYCAP DC6 UNIT IN FLEX BAY
 - INSTALL (2) NEW 150A BREAKERS FOR CONVERTER MODULE IN FLEX BAY
 - INSTALL (1) NEW 48V DC CONVERTER W/ (3) 2KW CONVERTER MODULES
 - INSTALL (6) NEW 10A BREAKERS FOR SECTORS / RRHS
 - INSTALL (1) NEW FIBER TRAY IN NEW FLEX BAY
 - PREP FOR NEW LUCENT 9412 CABINET
 - INSTALL (1) 1" FLEX CONDUIT FROM LITE BAY TO 9412
 - INSTALL (1) 1" FLEX CONDUIT FROM 9412 TO LITE BAY - ALARMS (30 LF)
 - INSTALL (1) 2" FLEX WITH 1 1/2" REDUCER FROM 9412 TO LITE BAY FOR RF FIBER (30 LF)
 - INSTALL (1) 1" FLEX CONDUIT FROM LITE BAY TO 9412
 - LOCATION - POWER - (30 LF)
 - INSTALL (1) 66 BLOCK ON ALARM BACKBOARD FOR LITE TALK 9412
 - INSTALL (1) NEW 50A BREAKER AND DC DROPS FOR THE 9412
 - INSTALL (1) GPS ANTENNA MOUNT NEXT TO (E) GPS ANTENNA
 - INSTALL ALL GROUNDS AS REQUIRED FOR NEW EQUIPMENT
 - SET ANTENNA DOWNLITS FOR UNITS / GSM / LITE PER RFDS
 - INSTALL WEATHERPROOFING AS REQUIRED
 - INSTALL COMPLETE WIRE STUD
 - COMPLETE WIRE STUD
- TELCO**
- INSTALL (2) 10 METER FIBER JUMPERS FROM TELCO TO 9412

PROPOSED WORK, REFERENCES SCOPE OF WORK

30.10257.01 1/44

AT&T
LTE PROJECT

7150 STANDARD DRIVE
HANOVER, MD 21076

at&t
Mobility

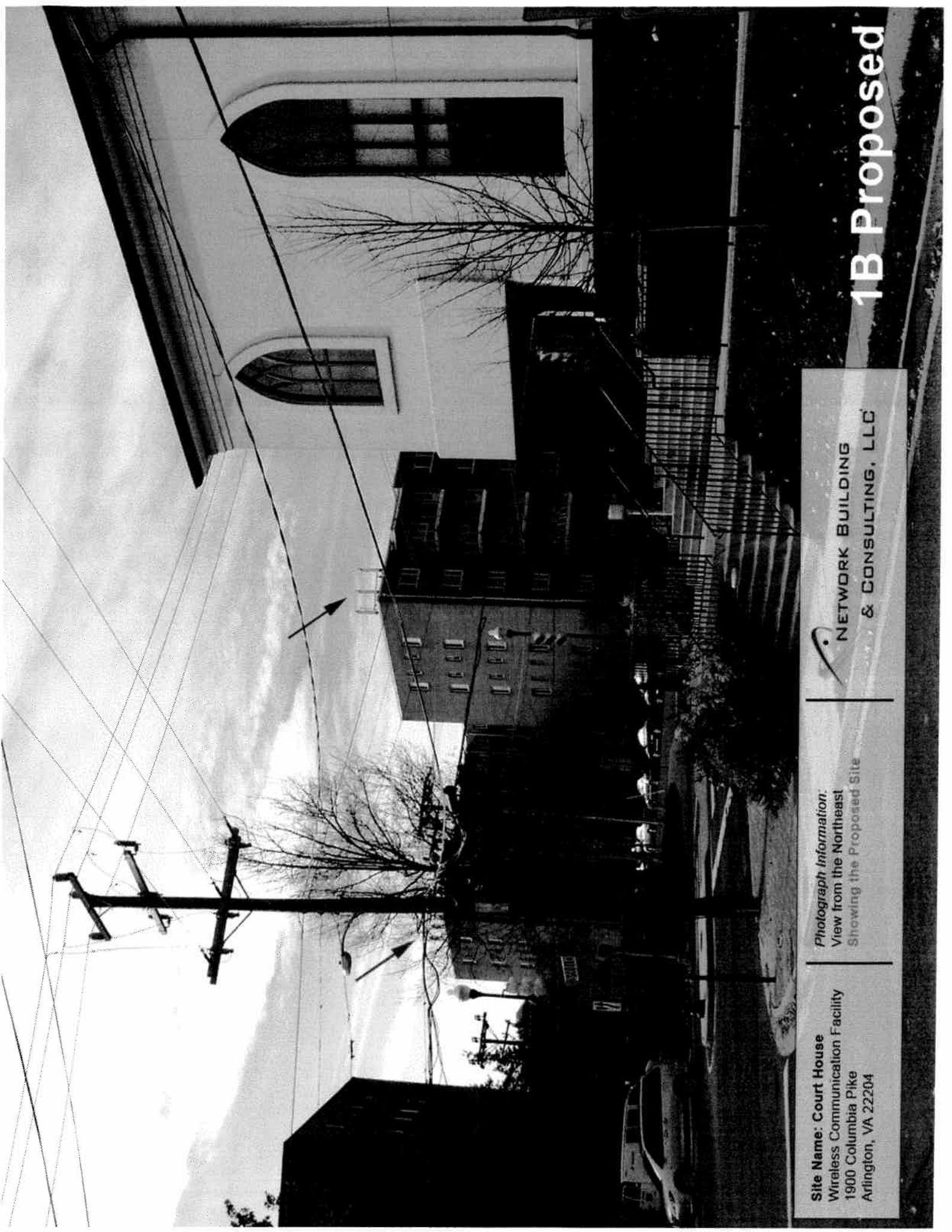
SITE NAME: COURT HOUSE
SITE ID NUMBER: 2848
1900 COLUMBIA PIKE
ARLINGTON, VA 22204

BECHTEL
COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046

0.1/2/20/11
PROJECT LOCATION: ARLINGTON, VA
DATE: 06/20/2017
DESIGNED BY: [Redacted] CHECKED BY: [Redacted]
REVISIONS: [Redacted] SCALE: AS SHOWN

ROOFTOP PLAN
SCALE: 1" = 20'-0"

SITE PLAN AND ELEVATION VIEW
DRAWING NUMBER: 2848-C2
REV: 0



Site Name: Court House
 Wireless Communication Facility
 1900 Columbia Pike
 Arlington, VA 22204

Photograph Information:
 View from the Northeast
 Showing the Proposed Site

 **NETWORK BUILDING
 & CONSULTING, LLC**

1B Proposed

D. U-3283-11-1



SITE NAME: KENTUCKY DRIVE
SITE NUMBER: 2852

PROJECT INFORMATION

APPLICANT ADDRESS:
 AT&T
 1100 STANDARD DRIVE
 HANOVER, MD 21076

APPLICANT NAME:
 STEVEN SAPPHIRE

JURISDICTION:
 ARLINGTON COUNTY

PROPERTY ADDRESS:
 1125 NORTH PATRICK HENRY DRIVE
 ARLINGTON, VA, 22205

PROPERTY OWNER:
 HESTOVER BAPTIST CHURCH
 1125 NORTH PATRICK HENRY DRIVE
 ARLINGTON, VA, 22205

LATITUDE:
 N 39.99165° (NAD 83)

LONGITUDE:
 W 77.15391° (NAD 83)

INDEX OF DRAWINGS

SITE ID	DRAWING NAME	REV.
VA-2852-01	TITLE SHEET	
VA-2852-02	SITE PLAN	
VA-2852-03	BUILDING ELEVATIONS	
VA-2852-04	NEW WORK ROOF PLAN AND NOTES	
VA-2852-05	ANTENNA SCHEDULE AND DETAILS	
VA-2852-06	SCHEMATIC WIRING DIAGRAM	
VA-2852-07	ANTENNA SYSTEM DIAGRAM	
VA-2852-08	DETAILS	
VA-2852-09	RET CONTROL DIAGRAM	

AVE DOCUMENT REVIEW STATUS

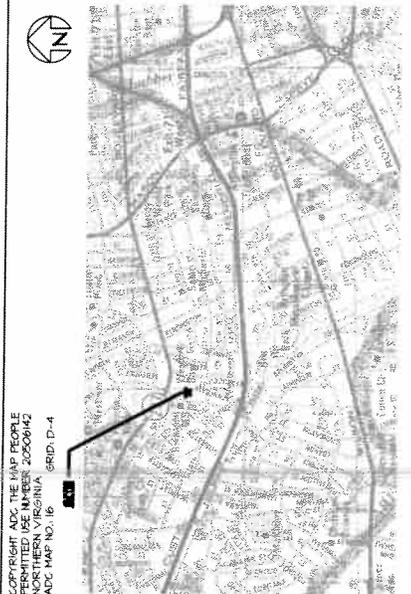
Station Code	REV	CONST	SA	TELCO	LOGS
1					
2					

BECHTEL COMMUNICATIONS
 9200 BERGER RD
 COLUMBIA, MD 21046
 PHONE: (443) 546-2309

at&t Mobility
 7150 STANDARD DRIVE
 HANOVER, MD 21076

SITE NAME: KENTUCKY DRIVE
SITE NUMBER: 2852
 1125 NORTH PATRICK HENRY DRIVE
 ARLINGTON, VA, 22205

VICINITY MAP



- DIRECTIONS FROM HANOVER:**
1. GO NORTHWEST ON STANDARD DR
 2. TURN LEFT ONTO PARKWAY DR
 3. TURN LEFT ONTO PARK CIR DR
 4. TURN LEFT ONTO COCA-COLA DR
 5. CONTINUE ONTO COCA-COLA DR
 6. TAKE MD-100 E (GLEN BURNIE) RAMP ON LEFT
 7. TAKE EXIT 9A (MD-285 S. DALTHAMSH PKWY. SOUTH WASHINGTON) ON RIGHT
 8. CONTINUE ONTO US-50 N (NEW YORK AVE.) ON RIGHT.
 9. TURN LEFT ONTO I-94E S. TAKE EXIT 0C (GEORGE WASHINGTON MEM. PKY) NORTH
 10. TAKE I-66 N (SPOUT RUN PKWY. US-29) ARLINGTON/WASHINGTON ON LEFT
 11. TURN LEFT ONTO NORTH HANSON DRIVE
 12. TURN RIGHT ONTO PATRICK HENRY DRIVE
 13. ARRIVE AT 1125 NORTH PATRICK DRIVE, VA. 22205

APPLICABLE BUILDING CODES AND STANDARDS

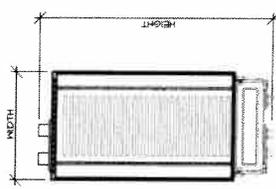
1. SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION AT THE PROJECT LOCATION. THE EDITION OF THE ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
2. BUILDING CODE, INTERNATIONAL BUILDING CODE 2006 WITH LOCAL AMENDMENTS NATIONAL ELECTRICAL CODE, NEC-2005 WITH LOCAL AMENDMENTS FIRE/LIFE SAFETY CODE, NFPA 2006 WITH LOCAL AMENDMENTS
3. SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
4. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
5. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, AISC, NINTH EDITION
6. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-S, STRUCTURAL STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES, TOWER AND ANTENNA SUPPORTING REQUIREMENTS FOR TELECOMMUNICATIONS
7. INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1000 (IEEE) RECOMMENDED PRACTICE FOR FENCING AND GROUNDING OF ELECTRONIC EQUIPMENT
8. IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")
9. TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS
10. TELCORDIA GR-1003, COAXIAL CABLE CONNECTIONS
11. ANSI T1311, FOR TELECOM - DC POWER SYSTEMS - TELECOM ENVIRONMENTAL PROTECTION
12. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE REPLACEMENT OF THREE (3) SEPARATE ANTENNAS WITH NEW ANTENNAS STEALTH SHROUD ON STEEPLE EXTERIOR WALL, ONE (1) NEW LIFE EQUIPMENT CABINET WILL BE INSTALLED WITHIN EXISTING AT&T PENTHOUSE EQUIPMENT SPACE.

1	CIVIL/AN	PERMIT REVIEW	DATE	BY	JOB NUMBER	DRAWN BY	DATE
2	MECHANICAL	ISSUED FOR CONSTRUCTION					
3	ELECTRICAL	ISSUED FOR REVIEW					
4	TELECOM	ISSUED FOR REVIEW					
5	TELECOM	ISSUED FOR REVIEW					
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100	TELECOM	ISSUED FOR REVIEW					

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SIZE AND WEIGHT TABLE

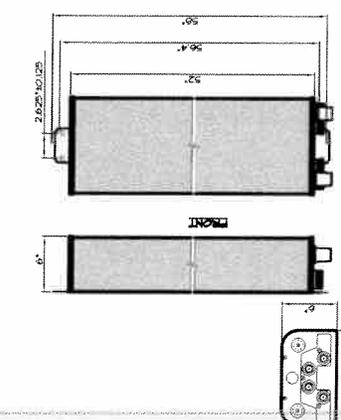
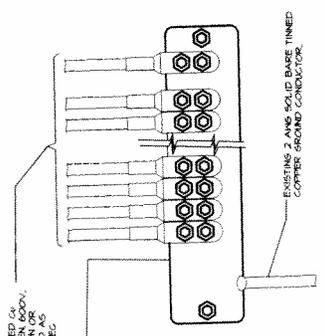
RRH CABINET	DEPTH	HEIGHT	WEIGHT
RRH 2000 (R/N)	12.2"	19.2"	21"
RRH 2040 (R/N)	12"	19"	25"
RRH 2040 (R/N)	12"	19"	45 LBS.

NOTE: DIMENSIONS INCLUDE MOUNTING BRACKET, SOLAR SHIELD AND CONNECTORS.

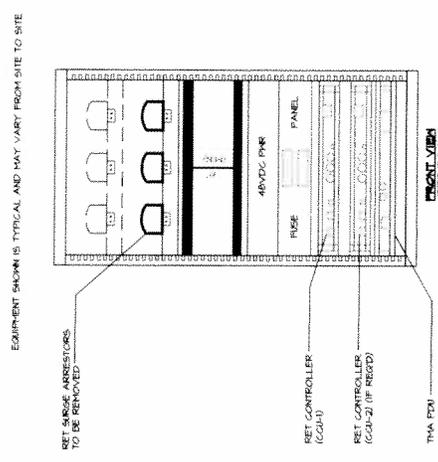
MINIMUM CLEARANCE TABLE

RRH CABINET	CLEARANCE	COMMENT
FRONT	36"	INSTALLATION ACCESS
REAR	2"	ZERO CLEARANCE IS ALLOWED USING SUPPLIED MOUNTING BRACKET
RIGHT	4"	AIR FLOW
LEFT	4"	AIR FLOW
TOP	12"	AIR FLOW
BOTTOM	12"	CONDUIT ROUTING

INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR

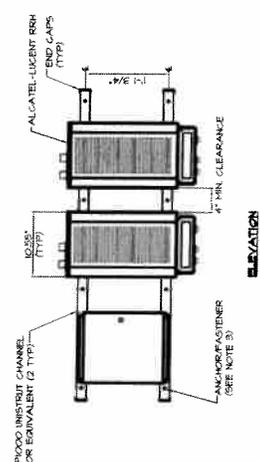


DUAL BAND DUAL POLE PANEL ANTENNA KATHREIN 800-10764



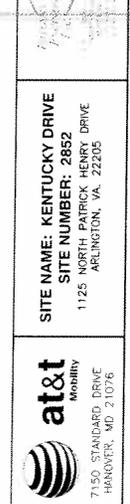
RET EQUIPMENT AND MOUNTING RACK

ALCATEL-LUCENT 9442 REMOTE RADIO HEAD (RRH)



- NOTES:
- ALCATEL LUCENT (ALU) VIA SITE SURVEY, THE RRH MOUNTING BRACKET AND CONNECTION BOX WITH SEALABLE WEATHERSTRIP, COAX AND AIR FLOW SHALL BE SUPPLIED BY THE CONTRACTOR. ALL MOUNTING HARDWARE INCLUDING ALL RRH CABLE TERMINATIONS.
 - A SUPPORT FOR A SINGLE RRH SHALL HAVE A MINIMUM OF TWO ANCHORS/FASTENERS FOR EACH UNIBRUT CHANNEL.
 - INSTALL ANCHORS/FASTENERS A MAXIMUM OF 2'-0\"/>

DETAIL - ALCATEL-LUCENT 9341 REMOTE RADIO HEAD (RRH) WALL MOUNT



at&t
 Mobility
 7150 STANDARD DRIVE
 HANOVER, MD 21076

at&t
 SITE NAME: KENTUCKY DRIVE
 SITE NUMBER: 2852
 1125 NORTH PATRICK HENRY DRIVE
 ARLINGTON, VA 22205

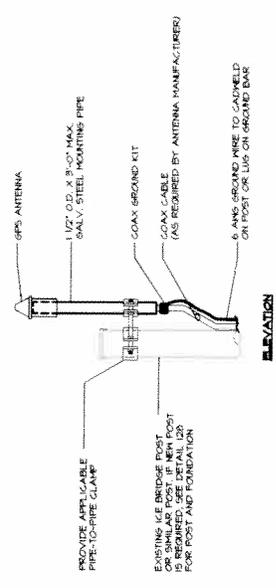
BECHTEL COMMUNICATIONS
 5230 BERGER RD.
 COMPTON, MD 21046
 PHONE: (443) 546-2309



1	03/11/11	PERMIT REVIEW	BLN	TJS	LJS
2	02/20/12	ISSUED FOR CONSTRUCTION	BLN	TJS	LJS
3	02/20/12	ISSUED FOR REVIEW	BLN	TJS	LJS
4	02/20/12	REVISIONS	BLN	TJS	LJS
5	02/20/12	BY	BLN	TJS	LJS

SCALE: AS NOTED
 YEAR: 2009/09
 DRAWN BY: GBH
 CHECKED BY: GBH
 DATE: 02/20/12
 JOB NUMBER: 2852
 DRAWING NUMBER: 2852-06
 REV: 1

GPS ANTENNA PIPE MOUNT



- NOTES:
- LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY UNOBSCURED BY TREES OR BUILDINGS. ANTENNA MUST BE MOUNTED ON THE SURFACE AREA OF A HERSHORE AROUND THE GPS ANTENNA.
 - ALL GPS ANTENNA LOGS FROM DATE OF AS-BUILT TO BE CLEAR. SIGNALS FROM A MINIMUM OF FOUR (4) SATELLITES MUST BE RECEIVED. HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA.



E. U-3285-11-1

PROJECT DESCRIPTION

THIS PROPOSAL IS FOR AN UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF THREE (3) ADDITIONAL PAVILIONS LOCATED AT THE EAST END OF THE EXISTING ANTENNA MOUNTS ON EXISTING TOWER.

PROJECT INFORMATION

APPLICANT: LANDLORD/PROPERTY OWNER:
 VIRGINIA DEPARTMENT OF TRANSPORTATION
 1000 COMMONWEALTH BLVD
 ARLINGTON, VA 22203
TOWER OWNER: AIRTEL TOWERS
JURISDICTION: ARLINGTON COUNTY

BECHTEL CORPORATION

BECHTEL COMMUNICATIONS
 2000 WASHINGTON BLVD
 COLLEGE PARK, MD 20740

CONSULTANT:

GPR GROUP
 1400 W. 14TH STREET, SUITE 2031
 ARLINGTON, OHIO 44411
 CONTACT: ED BLOCK
 TEL: (419) 572-2100
 FAX: (419) 572-2192

RF DATA SHEET

DATE ISSUED: 4/26/10
 VERSION: 1E, 1002.1

DRAWING INDEX

TITLE SHEET	REV
0585-11 EXISTING SITE PLAN	0
0585-SP1 PROJECT NOTES	0
0585-C1 SITE PLAN AND ELEVATION VIEW	0
0585-C2 EQUIPMENT LAYOUT PLAN	0
0585-C3 SITE DETAILS	0
0585-C4 GROUNDING DETAILS	0
0585-C5 SITE DETAILS	0
0585-1400A SYSTEM DIAGRAM, TOWER SITE WITH INDOOR BASE BAND AND RRHS ON TOWER	0
0585-1416 WIRING DIAGRAM, INDOOR BASE BAND AND RRHS ON TOWER, DC/DC CONVERTER, DC6	0
0585-BA&BD LTE & RRH DETAILS - MOUNTED ON TOWER	0
0585-8C LTE & RRH DETAILS - RET RACK & RAYCAP BOXES	0
0585-12B RET CONFIGURATION DIAGRAM	0

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEERS IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

BECHTEL COMMUNICATIONS
 9200 BERGER ROAD
 COLLEGE PARK, MD 21046

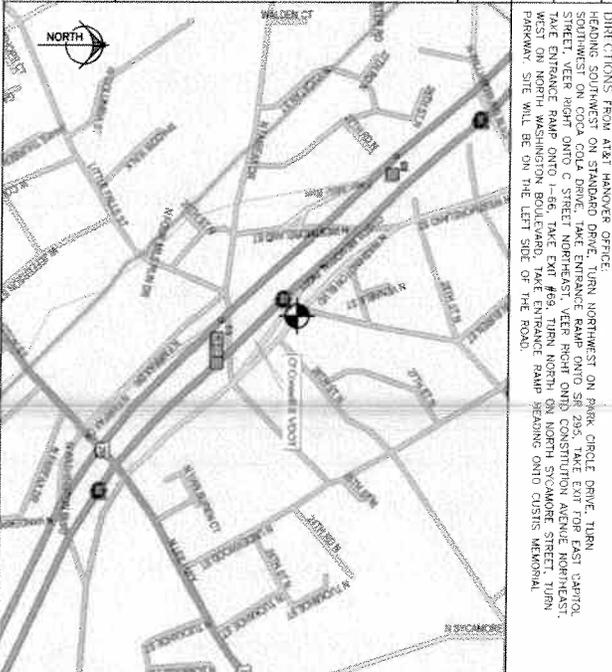


GPD ASSOCIATES
 520 South Main Street, Suite 2331 Akron, Ohio 44311
 330.572.2100, Fax 330.572.3101



SITE NAME: O'CONNELL II VDOT
SITE ID NUMBER: 0585

VICINITY MAP



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 (AND FOR THE LOCATION, THE EDITION OF THE ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODES:
 INTERNATIONAL BUILDING CODE (IBC 2006), IBC 2003 WITH LOCAL AMENDMENTS
 NATIONAL ELECTRIC CODE (NEC 2008 WITH LOCAL AMENDMENTS)
 FIRE/LIFE SAFETY CODE NFPA 2009 WITH LOCAL AMENDMENTS
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, 450, NINTH EDITION
 TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA/EIA)-222-F, STRUCTURAL STANDARDS FOR TELECOMMUNICATIONS BUILDING STRUCTURES
 TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) R1, GUIDE FOR MEASURING ELECTRICAL TRANSIENT OVERVOLTAGES AND SURGE SURFACE POTENTIALS OF A GROUND SYSTEM IEE-1100 (LATEST EDITION) COMMANDMENT PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT
 IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER SYSTEMS FOR LOCATION CATEGORY C3 AND HIGH SYSTEM EXPOSURE
 TELECOMOR GR-1276, GENERAL INSTALLATION REQUIREMENTS

TELECOMOR GR-1503, COAXIAL CABLE CONNECTIONS
 ANSI T1.111, FIBER TELECOM - DC POWER SYSTEMS - TELECOM ENVIRONMENTAL PROTECTION

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL METHODS AND PROCEDURES, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN, WHERE THERE IS CONFLICT BETWEEN THE FEDERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.



AS/E DESIGN PACKAGE REVIEW STATUS

1.0 ACCEPTED - NO COMMENTS, PROCEED	2.0 COMMENTS
A. <input type="checkbox"/> SAC with missing/nomenclature	F. <input type="checkbox"/> Design deviation from standard
B. <input type="checkbox"/> A/E did not follow directions provided	G. <input type="checkbox"/> Omissions
C. <input type="checkbox"/> Site name requested changes	H. <input type="checkbox"/> A/E requested change in design
D. <input type="checkbox"/> Design input changes i.e. of zoning required	I. <input type="checkbox"/> A/E changed site design
E. <input type="checkbox"/> Revised site design	J. <input type="checkbox"/> OTHER

Submission to proceed does not constitute acceptance or approval of design, details, conditions, program, list of materials or methods developed or selected by the supplier and does not relieve supplier from full compliance with applicable codes and regulations.

RF ENGINEER	DATE	MARKET LEAD	CONSTRUCTION
SM	DATE 9/23/10	KG 9/24	DATE 9/24/10
TECO-DW	9/23/10		

NO.	DATE	REVISION / CHANGE	BY	CHK
1	10/4/10	REVISION PER OWNER COMMENTS	SM	ESB
2		REVISION PER OWNER COMMENTS	SM	ESB



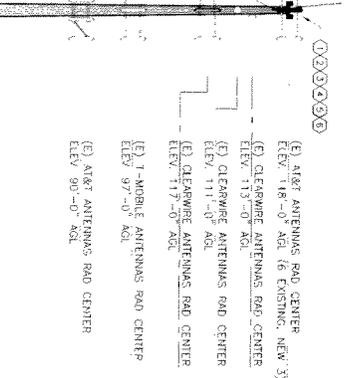
AT&T LTE PROJECT

TITLE SHEET

0585-11

SCOPE OF WORK:

1. INSTALL (1) NEW KATHERN LTE ANTENNA AT THE SECTOR FRAME (3 TOTAL)
2. DECOM EXISTING 5M RET CABLE BETWEEN EACH ANTENNA PER SECTOR (3 TOTAL)
3. INSTALL (1) NEW 5M RET CABLE BETWEEN NEW LTE ANTENNA TO (E) ANTENNA (6 TOTAL)
4. INSTALL (1) NEW 1M RET CABLE ON LTE ANTENNA BETWEEN MOTORS (3 TOTAL)
5. REPLACE (1) (E) SHROUD BAR WITH (N) AT SECTOR MOUNT (3 TOTAL)
6. INSTALL (12) JUMBERS TOPSIDE FOR LTE
7. INSTALL (8) NEW PERIODIC DOME SURGE PROTECTION
8. INSTALL (1) NEW PERIODIC DOME SURGE PROTECTION
9. INSTALL (1) 12 PAIR CABLE (250 LF) FROM 4412 TO DOME
10. INSTALL (2) 3 PAIR DC CABLE (250 LF) TO DOME
11. INSTALL (6) FIBER JUMBERS FROM DOME TO RBH (120 LF)
12. INSTALL (1) MAST PIPE WITH CROWDED GROUND FOR RBH'S BEHIND LTE ANTENNA
13. PREP AND HANG (6) RBH'S ON NEW MAST PIPE
14. PREP AND HANG (1) NEW 15A BREAKER FRAME
15. INSTALL (1) NEW 15A BREAKER FOR SECTORS / RBH'S
16. INSTALL (1) NEW 48V DC CONVERTER W/ (3) 20M CONVERTER MODULES
17. INSTALL (1) NEW 48V DC UNIT IN LTE FRAME
18. INSTALL (6) NEW 15A BREAKERS FOR SECTORS / RBH'S
20. INSTALL (1) NEW FIBER TRAY IN LTE BAY
21. INSTALL (2) NEW 10A BREAKERS FOR THE RBH'S
22. INSTALL (1) GPS ANTENNA MOUNT WITH MAST PIPE NEXT TO (E) GPS ANTENNA
23. INSTALL (1) NEW GPS LINE
24. DECOM (2) EXISTING COXS
25. INSTALL (1) NEW COX
26. INSTALL ALL GROUNDS AS REQUIRED FOR NEW EQUIPMENT
27. SET ANTENNA DOWNHITS FOR UNITS / GSM / LTE PER RBHS
28. INSTALL WEATHERPROOFING AS REQUIRED
29. COMPLETE GPS CALL TESTING



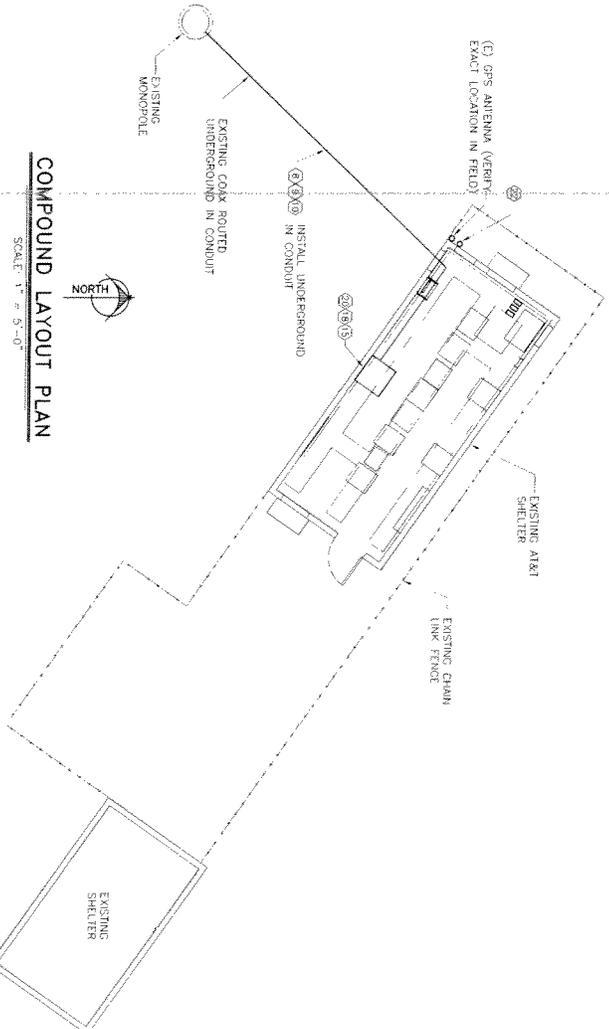
PROPOSED WORK, REFERENCE
SCOPE OF WORK

NOTE: (9) TOTAL EXISTING & PROPOSED ANTENNAS, LEASE RIGHTS ARE FOR (12) ANTENNAS.

ELEVATION VIEW



COMPOUND LAYOUT PLAN



BECHTEL
COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046

GPD ASSOCIATES
CLAVIS PYLE SCHOONER BLUMS & DEHAVEN, INC.
520 South Main Street, Suite 2311, Avon, Ohio 44011
330.572.2100 / FAX 330.572.2101

SITE NAME: O'CONNELL II VDOT
SITE ID NUMBER: 0585
ON RAMP TO I-66 ON LEE HWY RT 29
ARLINGTON, VA 22213

at&t Mobility
7150 STANDARD DRIVE
HANDOVER, MD 21078

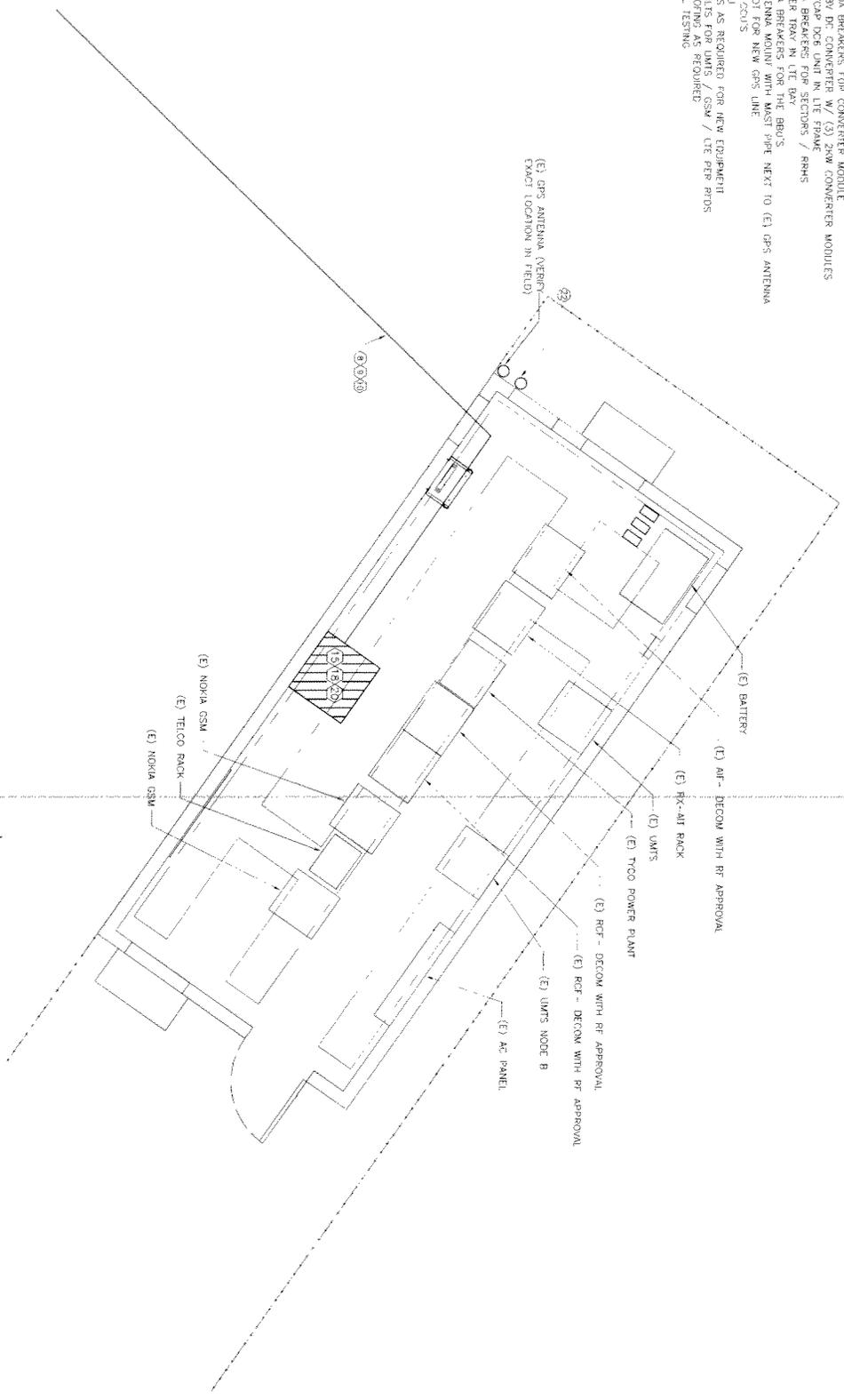
NO.	DATE	REVISIONS / ISSUES	BY	CHK
0	10/2/11	ISSUED FOR PERMIT CONSTRUCTION	VA	LSB
1	10/2/11	REVISIONS / ISSUES	BR	CRS



AT&T LTE PROJECT

SITE PLAN AND ELEVATION VIEW
0585-02

- SCOREL OF WORKS
- 15 INSTALL (1) NEW LTE EQUIPMENT FRAME
 - 16 INSTALL (2) NEW 250A BREAKERS FOR CONVERTER MODULE
 - 17 INSTALL (1) NEW -48V DC CONVERTER W/ (3) 25W CONVERTER MODULES
 - 18 INSTALL (1) NEW RAYCAP DCB UNIT IN LTE FRAME
 - 19 INSTALL (6) NEW P&A BREAKERS FOR SECTORS / BRHS
 - 20 INSTALL (2) NEW P&A BREAKERS FOR SECTORS / BRHS
 - 21 INSTALL (2) NEW 10A BREAKERS FOR THE BBUS
 - 22 INSTALL (1) GPS ANTENNA MOUNT WITH MAST PIPE NEXT TO (E) GPS ANTENNA
 - 23 INSTALL (1) NEW BOOT FOR NEW GPS LINE
 - 24 DECOM (2) EXISTING 25015
 - 25 INSTALL (1) NEW COU
 - 26 INSTALL ALL BRIDGES AS REQUIRED FOR NEW EQUIPMENT
 - 27 INSTALL ALL BRIDGES AS REQUIRED FOR NEW EQUIPMENT
 - 28 INSTALL WEATHERPROOFING AS REQUIRED
 - 29 COMPLETE PS&P CALL TESTING



EQUIPMENT LAYOUT PLAN

SCALE: 1/2" = 1'-0"

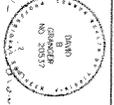
BECHTEL COMMUNICATIONS
 6920 BERGER ROAD
 COLUMBIA, MD 21046

GPD ASSOCIATES
 CLAVIS PYLE SCHOMER BURGESS & DEHAVEN INC.
 320 South Main Street, Suite 2531, Akron, Ohio 44311
 330.572.2100 / FAX 330.572.2101

SITE NAME: O'CONNELL II VDOT
 SITE ID NUMBER: 0585
 ON RAMP TO I-66 ON LEE HWY RT 29
 ARLINGTON, VA 22213

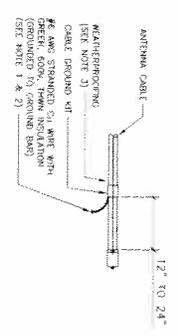
at&t Mobility
 7150 STANDARD DRIVE
 HANOVER, MD 21076

NO.	DATE	REVISIONS / ISSUES	BY	CHKD	DATE
0	10/24/11	ISSUE FOR NEW CHANGE	BY	CHKD	DATE
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					



AT&T LTE PROJECT

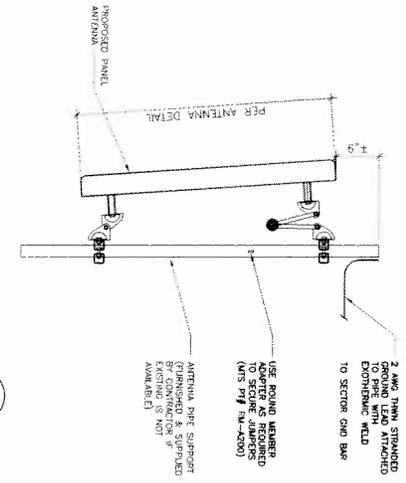
SITE PLAN AND
 ELEVATION VIEW
 0585-C2A



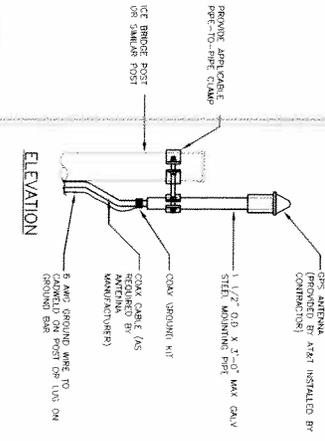
CONNECT OF CABLE GROUND KIT TO ANTENNA CABLE

- NOTES:**
1. #16 AWG STRANDED COPPER WIRE WITH INSULATION (CONDUCTOR TO GROUND ROD) (SEE NOTE 1 & 2)
 2. GROUNDING KIT SHALL BE (TYPE AND PART NUMBER) AS SPECIFIED OR RECOMMENDED BY MANUFACTURER
 3. WETTERING/PASTE SHALL BE (TYPE AND PART NUMBER) AS SPECIFIED OR RECOMMENDED BY MANUFACTURER

DETAIL 121
N.T.S.



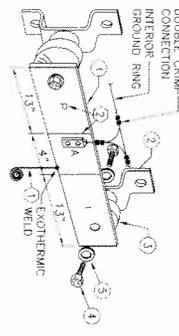
ANTENNA MOUNTING DETAIL
N.T.S.



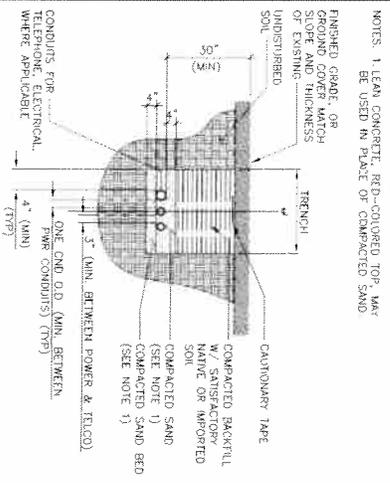
- NOTES:**
1. LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY
 2. ALL GPS ANTENNA MOUNTING SHALL BE MADE TO RECEIVE CLEAR SIGNALS FROM A MINIMUM OF THREE DIFFERENT GPS ANTENNA

E911-GPS ANTENNA PIPE MOUNT
DETAIL 121
N.T.S.

NEWTON INSTRUMENT COMPANY, INC.	
NO.	DESCRIPTION
1	1.4\"/>

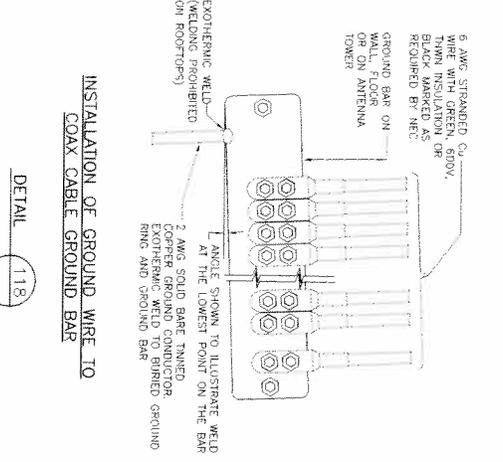


Each ground conductor terminating on any ground bar shall have a double crimp connection. Each crimp shall be labeled and shall be identified by origin and destination.



NOTES:

1. LEAN CONCRETE, RED-COLOURED TOP MAY BE USED IN PLACE OF COMPACTED SAND



INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR
DETAIL 118
N.T.S.

BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLLIERIA, MD 21046

GPD ASSOCIATES
520 South Main Street, Suite 2531, Akron, Ohio 44311
330-572-2100 FAX 330-572-2101

SITE NAME: O'CONNELL II VDOT
SITE ID NUMBER: 0585
ON RAMP TO I-66 ON I-EE HWY RT 29
ARLINGTON, VA 22213

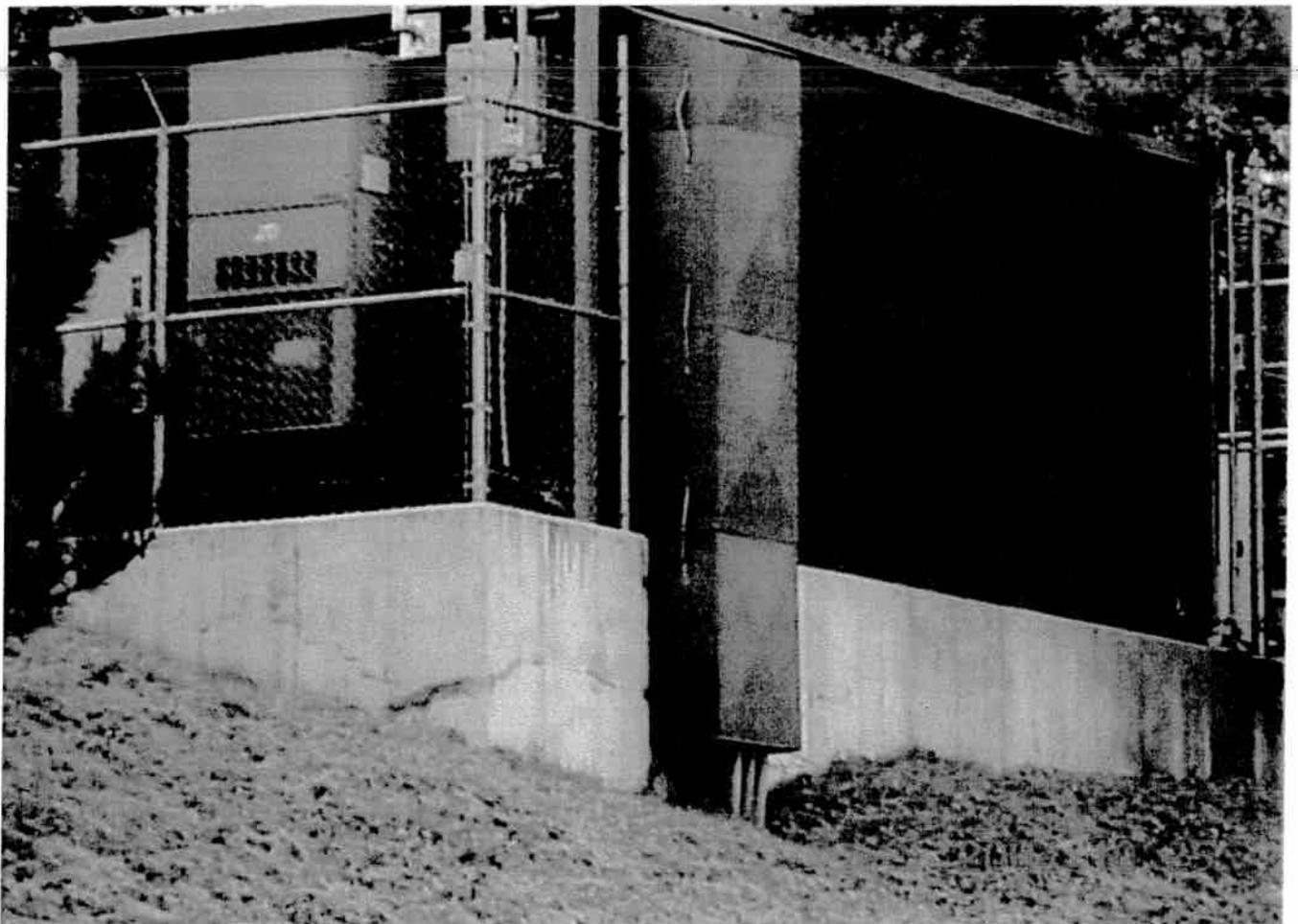
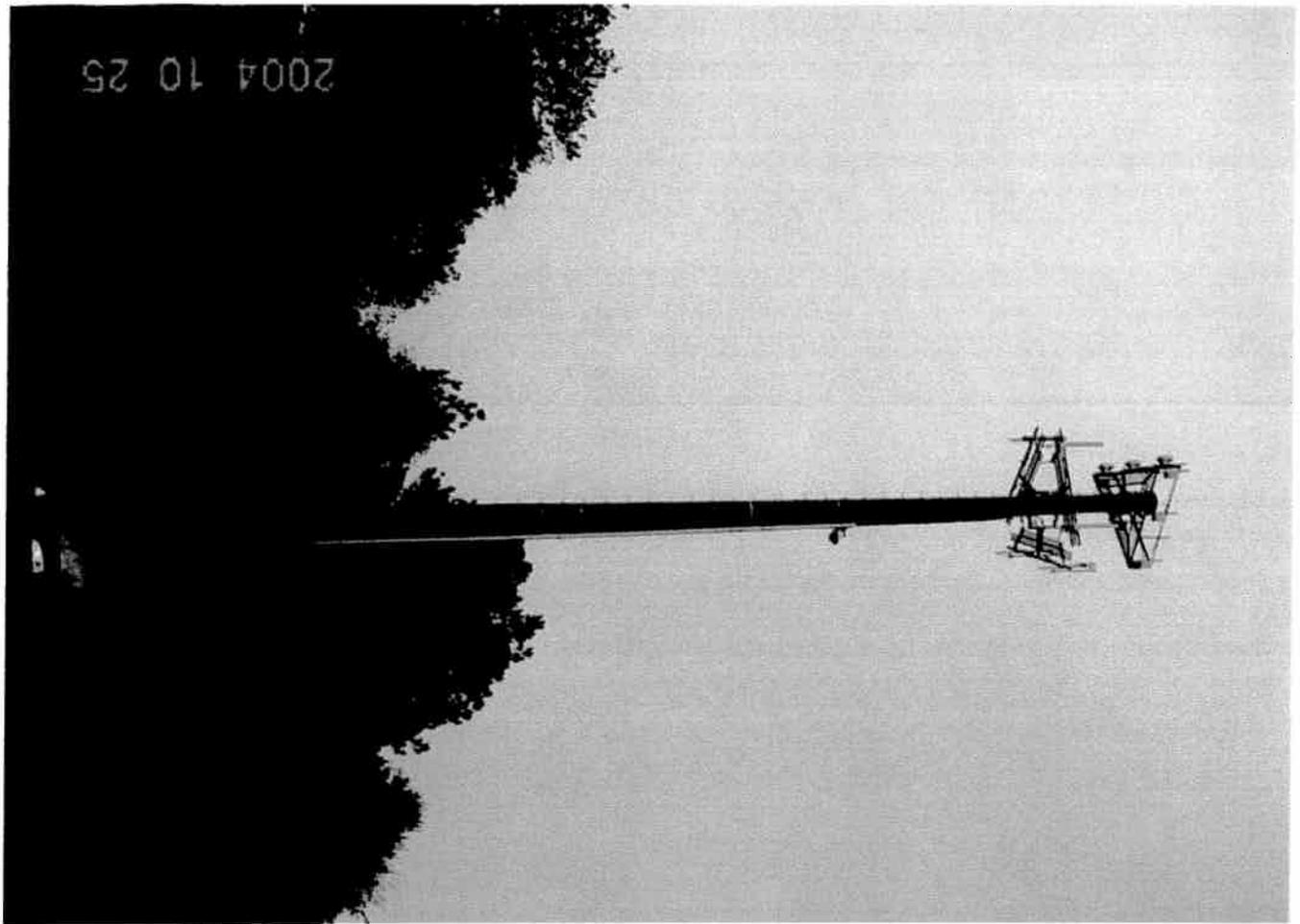
at&t Mobility
7150 STANDARD DRIVE
HANOVER, MD 21076

NO.	DATE	REVISION / ISSUED BY	BY	DATE
1	10/21/10	ISSUED FOR PERMIT	BR	10/21/10
2	10/21/10	REVISIONS / RESUBMIT	BR	10/21/10

AT&T LTE PROJECT

SITE DETAILS
0585-03





F. U-3286-11-1

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING NEW EQUIPMENT IN AN EXISTING EQUIPMENT SHELTER AND NEW ANTENNAS WITH ASSOCIATED SUPPORT EQUIPMENT INSIDE SHELTER.

PROJECT INFORMATION

APPLICANT ADDRESS: AT&T
7150 STANDARD DRIVE
HANOVER, MD 21076

JURISDICTION: ARLINGTON COUNTY, VA

PROPERTY OWNER: CHAPEL UNITED METHODIST

LATITUDE: N 38.92188° (NAD 83)

LONGITUDE: W 77.12897° (NAD 83)

RF DATA SHEET

DATE ISSUED: 11/26/2010 VERSION: ITC_V04.2

PROJECT CONTACTS

1. AT&T PROJECT MANAGER: STEVEN SAPIRE
PHONE: (301) 488-5378

2. SITE OWNER: JAMES N EARLEY
703-558-9200

DRAWING INDEX

TITLE SHEET	REV
T1-VA-2856-01	2
T1-VA-2856-01A	1
T1-VA-2856-02	1
T1-VA-2856-03	1
T1-VA-2856-04	1
T1-VA-2856-05	0
T1-VA-2856-06	0
T1-VA-2856-07	0
T1-VA-2856-08	0
T1-VA-2856-09	0
T1-VA-2856-10	0
T1-VA-2856-11	0
T1-VA-2856-12	0

BECHTEL

SUPPLIER DOCUMENT REVIEW STATUS

STATUS NO.	WORK MAY PROCEED	WORK MAY PROCEED SUBJECT TO RESOLUTION OF HIGHLIGHTED COMMENTS.
1	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>

Permitted to proceed does not constitute acceptance or approval of design details, calculations, schedules from full compliance with contractual obligations.

By: (Responsible Engineer) **Hudock,**

Joseph

BECHTEL COMMUNICATIONS

2205 WESTERN DRIVE
FREDERICK, MD 21704
PHONE: (301) 228-8000

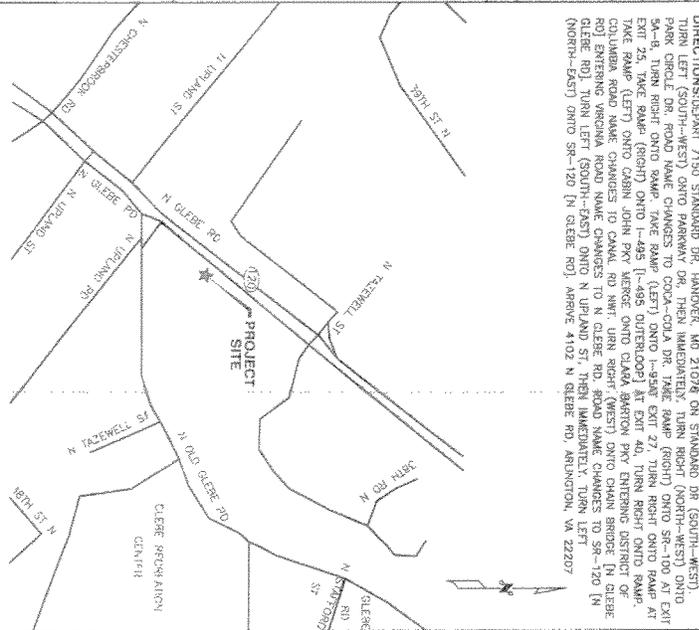
SITE NAME: WALKER CHAPEL CHURCH

SITE ID NO.: 2856
4110 N. OLD GLEBE ROAD
ARLINGTON, VA 22207

SITE NAME: WALKER CHAPEL CHURCH
SITE ID NO.: 2856



VICINITY MAP



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 (AND) FOR THE LOCATION, EDITION OF THE ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONSTRUCTION. AWARD SHALL OBSERVE THE DESIGN.

BUILDING CODE: BUILDING CODE [IRC 2008 (VIRGINIA UNIFORM STATEWIDE BUILDING CODE)]
ELECTRICAL CODE: NATIONAL ELECTRICAL CODE [NEC 2005 (VIRGINIA UNIFORM STATEWIDE BUILDING CODE)]
FIRE/LIFE SAFETY CODE: IRC 2008 (VIRGINIA STATEWIDE FIRE PREVENTION CODE)

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING:

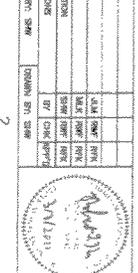
- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, PERmitted DESIGN, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES.
- IA 907, COMMERCIAL BUILDING REWORKING AND BONDING REQUIREMENTS FOR REWORKING
- INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR REDESIGNING FAULT RESISTANT, GROUND IMPEDANCE AND EARTH SURFACE POTENTIALS OF A GROUND EQUIPMENT
- IEEE C2 NATIONAL ELECTRICAL SAFETY CODE, LATEST VERSION
- TEL-CORONA CR-1275, GENERAL INSTALLATION REQUIREMENTS
- AND 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.

DETAIL 1001



NO.	DATE	REVISIONS
2	5/26/11	REVISED AS SHOWN
1	2/27/11	REVISED AS NOTED
0	10/17/10	ISSUED FOR CONSTRUCTION



at&t

TITLE SHEET

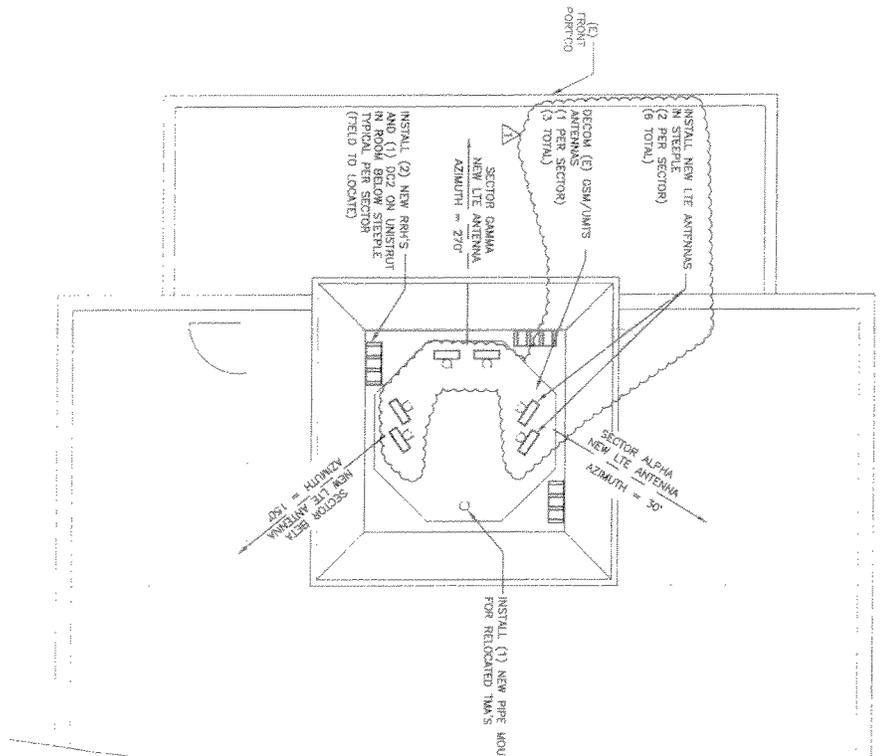
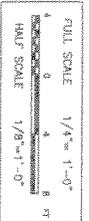
25471-430

T1-VA-2856-01

2

GENERAL NOTES

1. THE SUBCONTRACTOR SHALL GIVE ALL NOTICES AND REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE SCOPE OF WORK SHALL NOT EXCLUDE SAID SUBCONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE SUBCONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF THE SUBCONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE SUBCONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE SUBCONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE SUBCONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENTOR'S SPECIFICATIONS AND OTHERS OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE SUBCONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS OR CLASSIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
10. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK OF THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.
11. THE SUBCONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT CONSTRUCTION FROM DAMAGE TO EXISTING UTILITIES, CURBS, ETC. DURING CONSTRUCTION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE THAT MAY OCCUR DUE TO CONSTRUCTION OR ABOUT THE PROPERTY.
12. THE SUBCONTRACTOR SHALL MAINTAIN THE GENERAL WORK AREA AS CLEAN AND HAZARDOUS FREE DURING CONSTRUCTION AND DISPOSE OF ALL DEBRIS, RUBBER, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PROFILES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SLAGS OF ANY NATURE.
13. THE SUBCONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
14. THE SUBCONTRACTOR SHALL NOTIFY THE A/E REPRESENTATIVE (ARCHITECT) WHENEVER ANY CONFLICT EXISTS OR ANY DISCREPANCY EXISTS BETWEEN THE SUBCONTRACTOR'S NOTIFICATION AND THE A/E REPRESENTATIVE'S POSITION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE A/E REPRESENTATIVE (ARCHITECT).
15. THE SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.



NOTE:
 TELCO-MF-
 1) SMO INSTALL AND PROVISIONING
 2) INSTALLATION OF (2) FIBER JUMPERS 10 METERS
 3) INSTALL (2) 10 METER FIBER JUMPERS FROM
 TELCO TO BUDS

NOTE:
 (N) INSTALL (1) GPS
 ANTENNA MOUNT NEXT TO (E)
 GPS ANTENNA

THE STRUCTURAL QUALIFICATION OF THE
 STEEPLE ANTENNAS IS PROVIDED BY THE
 ARCHITECT. CALC 25471-430-ASC-EF-00054

BECHTEL COMMUNICATIONS
 5295 WESTVIEW DRIVE
 FREDERICK, MD 21703
 PHONE: (301) 228-8000

SITE NAME: WALKER CHAPEL CHURCH
 SITE ID NO.: 2856
 4110 N. OLD GLEBE ROAD
 ARLINGTON, VA 22207

at&t
 Mobility
 7150 STANDARDO DRIVE
 HANNOVER, MD 21076

NO.	DATE	DESCRIPTION	BY	CHKD BY
1	1/26/11	ISSUED AS WORK		
2	01/27/11	ISSUED FOR CONSTRUCTION		

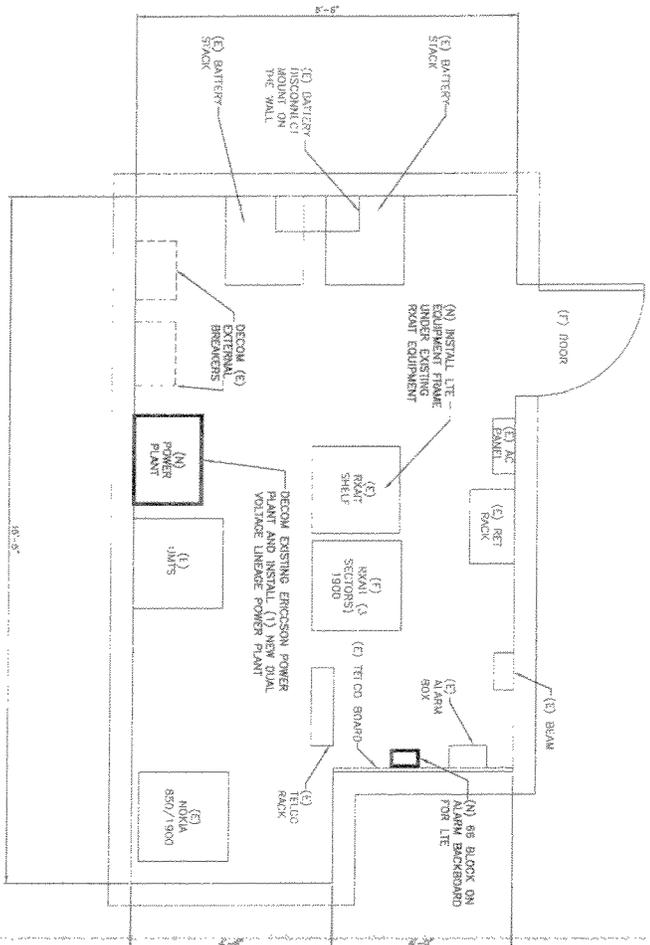
at&t
 ROOFTOP PLAN AND GENERAL NOTES
 25471-430 T1-WA-2856-02
 21.34" x 36"

SCOPE OF WORK

WALKER CHAPEL
 STEEPLE, 71. SWAP UNITS / GSM ANTENNA FOR NEW 2' MODEL, NEED 2' XAT 840
 10525 MODEL ANTENNA, NEW DUAL VOLTAGE POWER PLANT
 7/28/2010: RFD5 V2.1 7/20 --- RHH'S ATOP
 EXISTING AZIMUTH --- 30--150--270 PER FEED LITE AZ -- 355--120--240 NEED TO
 REDUCE TO MATCH EXISTING AZIMUTH

1. REPLACE EXISTING 265 ANTENNAS WITH NEW 2' ANTENNA FOR GSM / UNITS (3 TOTAL)
2. INSTALL (1) (2) NEW KATHREIN LTE ANTENNA IN STEEPLE (3 TOTAL) Δ
3. DECON EXISTING 5M RET CABLE BETWEEN EACH ANTENNA PER SECTOR (3 TOTAL)
4. INSTALL (1) NEW 5M RET CABLE BETWEEN NEW LTE ANTENNA TO (E) ANTENNA (5 TOTAL)
5. REPLACE (1) NEW 1M RET CABLE ON LTE ANTENNA BETWEEN MOTORS (3 TOTAL)
6. REPLACE (1) (E) GROUND BAR WITH (N) AT SECTOR MOUNT (3 TOTAL)
7. PREP 3 NEW UNISTRUT FRAMES INSIDE STEEPLE FOR RHH'S
8. HANG (6) RHH'S ON NEW FRAMES
9. HANG (12) JUMPERS TOPSIDE FOR LTE
11. INSTALL (12) DC LOADS ON END OF JUMPERS
12. INSTALL (1) 002 AT EACH SECTOR (3 TOTAL)
13. INSTALL (1) 12 PAIR FIBER (75LF) FROM T1 TO DC2
14. INSTALL (1) 3 PAIR DC CABLE (75LF) T1 TO DC2
15. INSTALL (6) FIBER JUMPERS FROM DC2 TO RHH (197LF)
16. INSTALL (6) DC CIRCUITS FROM DC2 TO RHH (197LF)
17. DECON (2) EXTENSION BREAKER PANELS
18. DECON (2) NEW DUAL VOLTAGE UNDER POWER PLANT
19. INSTALL (1) NEW DC PREP
20. COMPLETE (1) GSM DC PREP
21. COMPLETE (1) UNITS DC PREP
22. INSTALL (1) NEW LTE EQUIPMENT UNDER / ON (E) RXXAT EQUIPMENT RACK
23. INSTALL (1) NEW RANGAP DCB UNIT IN LTE FRAME
24. INSTALL (6) NEW 15A BREAKERS FOR SECTORS / RHH'S
25. INSTALL (1) NEW FIBER TRAY IN LTE BAY
26. INSTALL (1) 66 BLOCK ON ALARM BACKBOARD FOR LTE
27. INSTALL (1) GPS ANTENNA MOUNT NEXT TO (E) GPS ANTENNA
28. INSTALL (1) GPS ANTENNA MOUNT NEXT TO (E) GPS ANTENNA
29. INSTALL (1) 1/2" COAX FOR NEW GPS
30. INSTALL ALL GROUNDLITS AS REQUIRED FOR NEW EQUIPMENT
31. SET ANTENNA DOWNLITS FOR UNITS / GSM / LTE PER RFD5
32. INSTALL WEATHERPROOFING AS REQUIRED
33. COMPLETE RFP CALL TESTING
34. DECON (3) EXISTING ANTENNA Δ

** Equipment room located below steeple.*



EQUIPMENT LAYOUT
 SCALE: 3/4" = 1'-0"

Know what's behind Call before you dig!

FULL SCALE 3/4"=1'-0"
 HALF SCALE 3/8"=1'-0"

BECHTEL COMMUNICATIONS
 5208 WISDOM DRIVE
 FREDERICK, MD 21703
 PHONE: (301) 228-6000

SITE NAME: WALKER CHAPEL CHURCH
 SITE ID No.: 2856
 4110 N. OLD QUEEN ROAD
 ARMBURTON, VA 22207

7150 STANDARD DRIVE
 HANOVER, MD 21078

NO.	DATE	DESCRIPTION	BY	CHK
1	9/9/11	ISSUED AS NOTED		
0	11/17/10	ISSUED FOR CONSTRUCTION		

SCALE: AS SHOWN

DATE	BY	CHK
11/17/10		

25471-430 11-VA-2856-03

6 5 4 3 2 1



BECHTEL COMMUNICATIONS
 5285 WESTVIEW DRIVE
 FREDERICK, MD 21703
 PHONE: (301) 228-0000

SITE NAME: WALKER CHAPEL CHURCH
 SITE ID No.: 2856
 4110 N. OLD GLEBE ROAD
 ARLINGTON, VA 22207

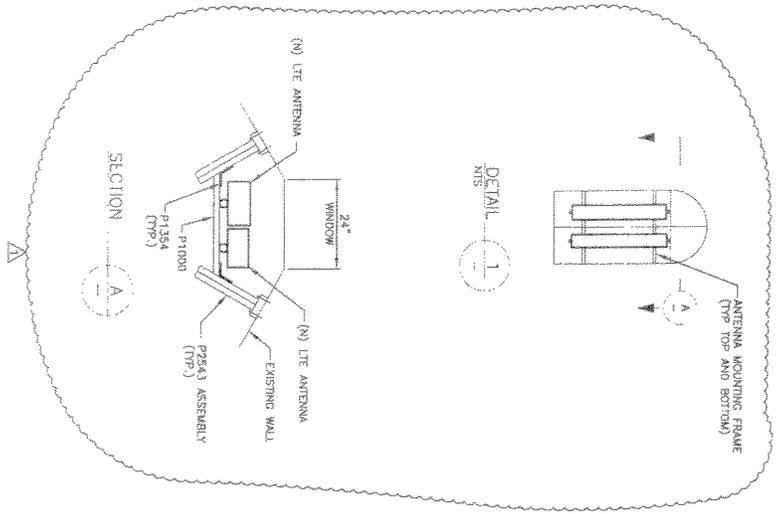
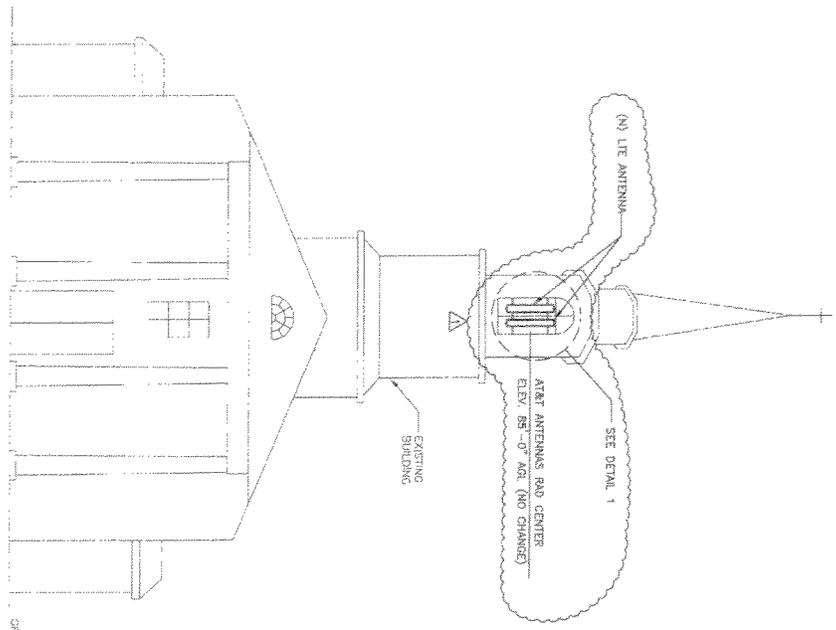


7150 STANDARD DRIVE
 HANOVER, MD 21076

6 5 4 3 2 1

TOWER ELEVATION
 SCALE: NS

THE STRUCTURAL QUALIFICATION OF THE STEEL ANTENNAS IS PROVIDED BY BECHTEL CADC 29471-430-A3C-EF-00054



NO.	DATE	REVISIONS	BY	CHK
1	3/27/11	ISSUED AS NOTED		
0	10/07/10	ISSUED FOR CONSTRUCTION		

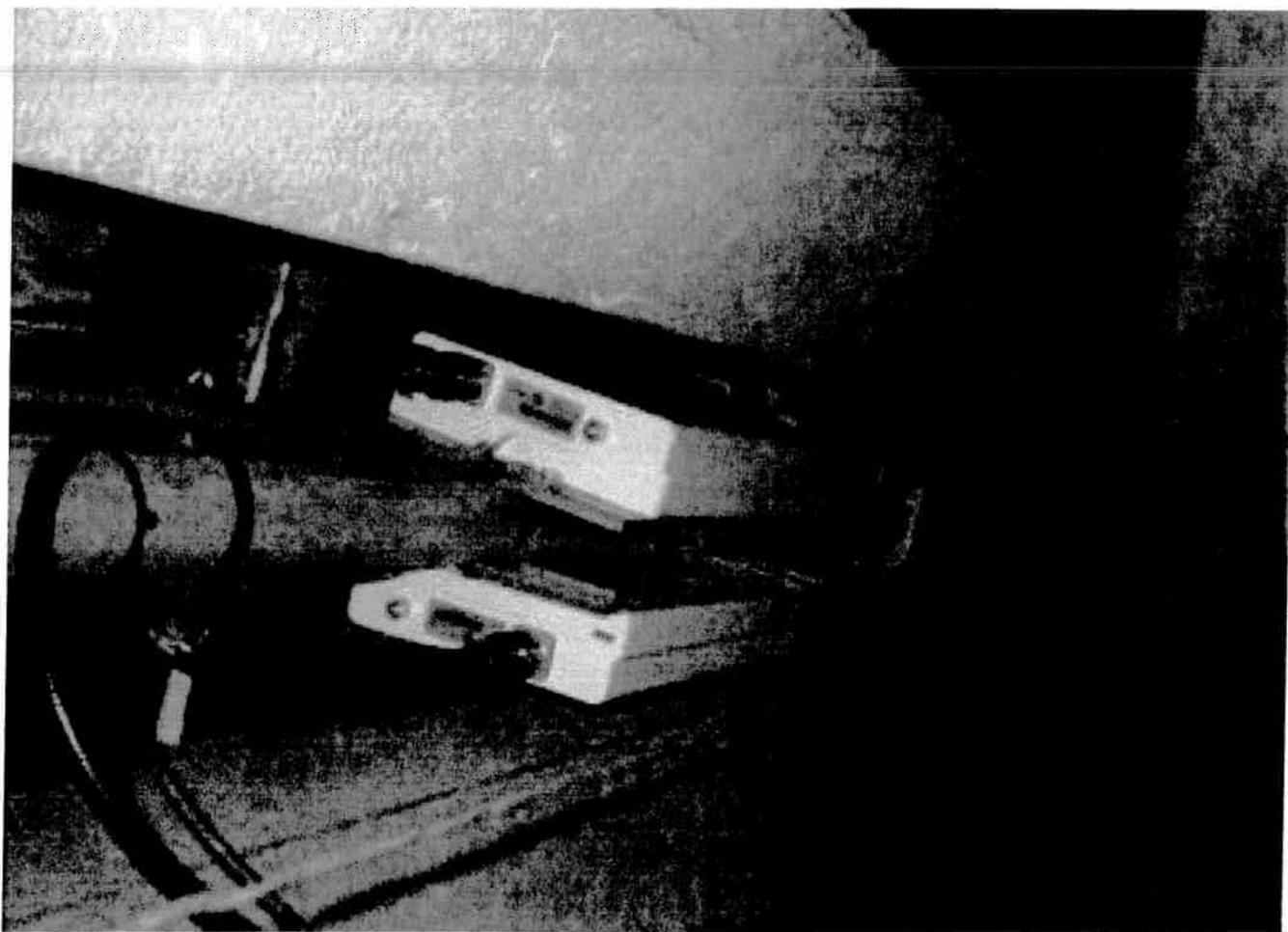


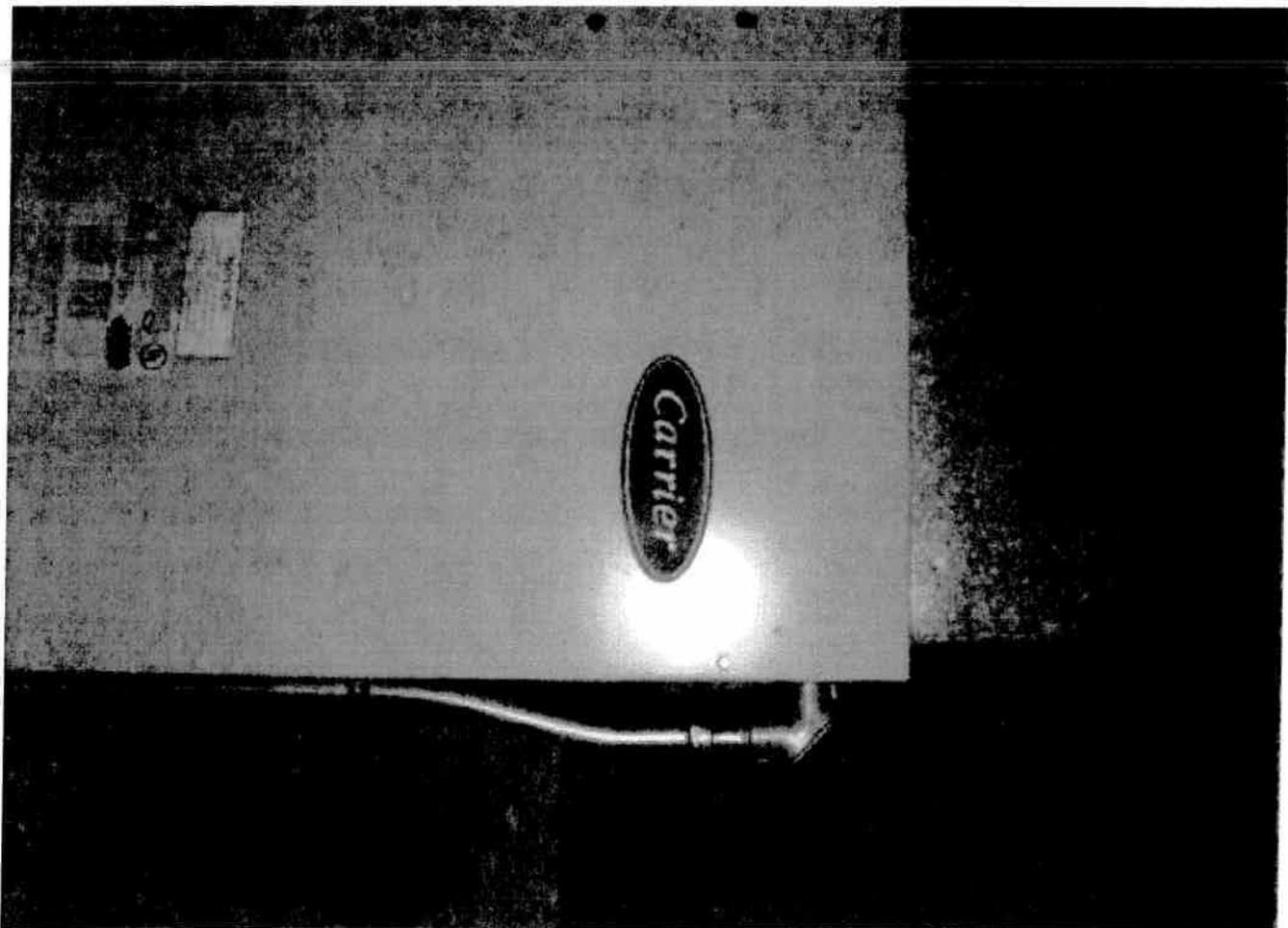
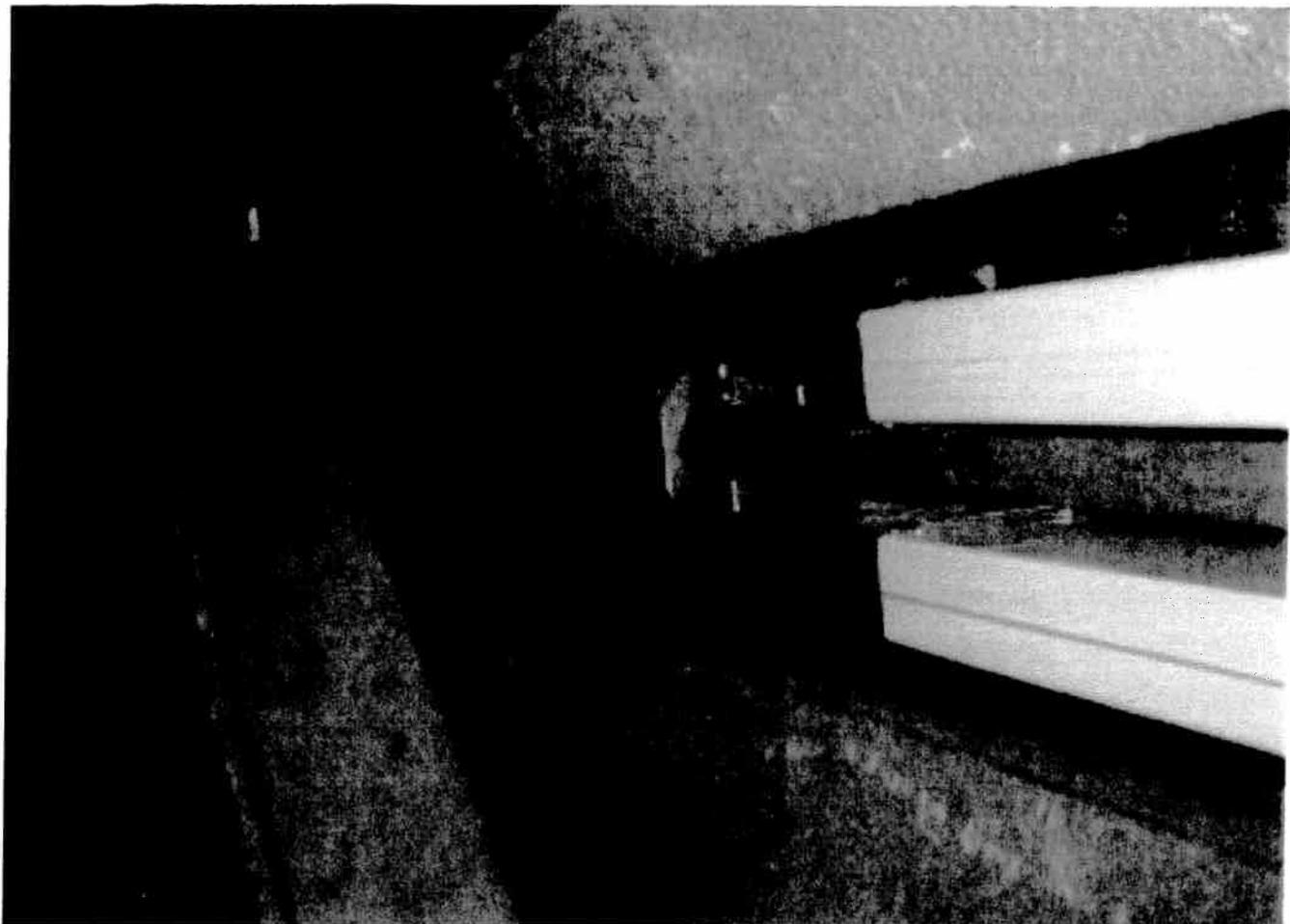
at&t BUILDING ELEVATION

29471-430 11-A-2856-04

DATE: 5/3/10

SCALE: AS SHOWN





G. U-3287-11-1

GLOBAL ELECTRICAL MANAGEMENT, INC.
 12801 181st Avenue Road, Suite 200
 Arlington, VA 22204
 FAX: 703-453-9223

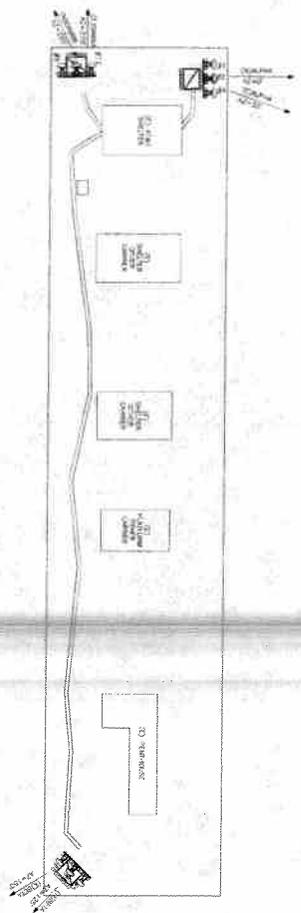
SITE NAME: ABINGDON HOUSE
SITE NO.: 2840
 110 SOUTH 10TH STREET
 ARLINGTON, VA 22202

at&t
 7110 STAMMUND DRIVE
 ANNAPOLIS, MD 21410

DATE	ISSUED FOR CONSTRUCTION	BY	DATE
01/02/10	ISSUED FOR CONSTRUCTION	BY	01/02/10
01/04/10	ISSUED FOR REVIEW	BY	01/04/10
NO. DATE	REVISIONS	BY	DATE
1	ISSUED BY: JH	DATE:	01/02/10

ROOFTOP & ANTENNA PLANS
 694492 02 0

ROOFTOP-ANTENNA PLAN
 SCALE: 1/8" = 1'-0"



- NOTES:
 1. NEW LITE ANTENNAS, #2, #6, & #10.
 SHALL USE EXISTING MOUNTS.
 2. NEW KRIS & COZS AT EACH NEW
 ANTENNA. SEE 2/08 FOR ATTACHMENT
 TO SLED.

ABINGDON HOUSE

Bing Maps

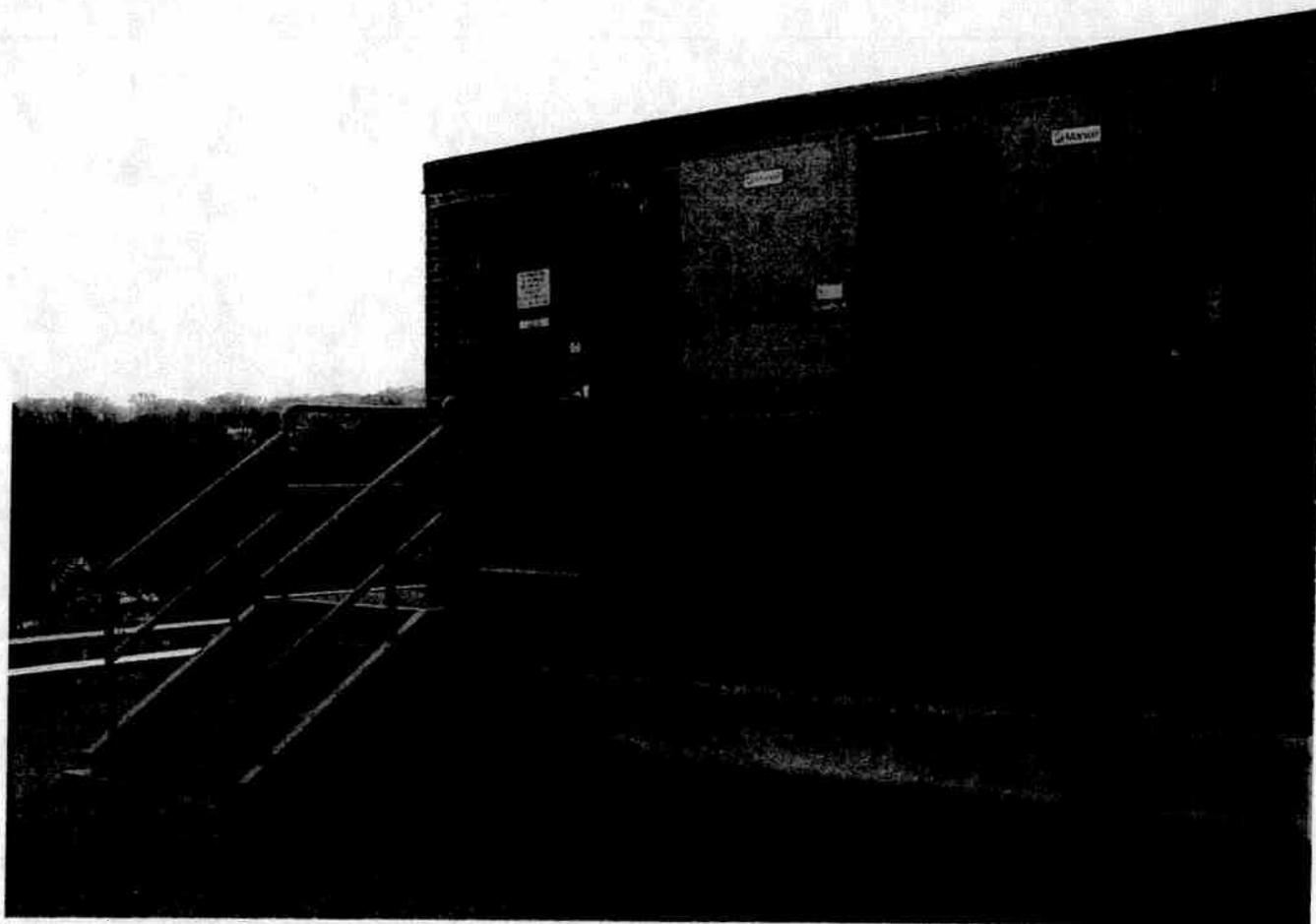
815 18th St S, Arlington, VA 22202-2638

My Notes

FREE! Use Bing 411 to find movies, businesses & more: 800-BING-411

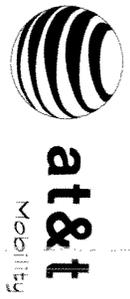






H. U-3288-11-1

SITE NAME: VA1857 QUINCY STREET SITE NUMBER: 1857



PROJECT INFORMATION

APPLICANT ADDRESS:
1857 STANDARD DRIVE
HANDOVER RD 2107B
STEVEN MACHINE
ARLINGTON COUNTY
ARLINGTON, VA 22201

PROJECT NAME:
4020 WASHINGTON BLVD
AND PORTION VA 22201
QUINCY AVE, INC.
1857 QUINCY STREET
ARLINGTON, VA 22201

PROJECT OWNER:
N 382851 (IND 83)
M 111081 (IND 83)

DATE:
11/19/09

VERSION: 21.6-25-2010

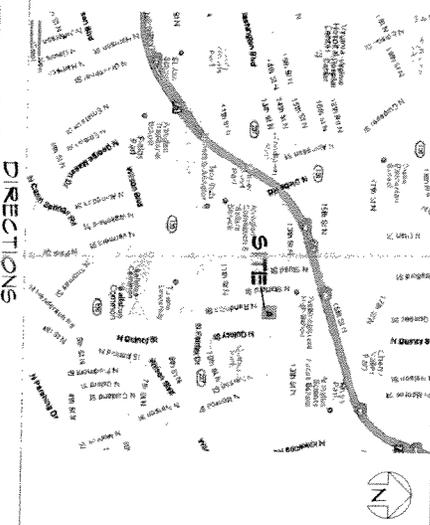
INDEX OF DRAWINGS

SITE ID	DRAWING NAME	REV
VA-1857-01	TITLE SHEET	
VA-1857-02	SITE PLAN	
VA-1857-03	BUILDING ELEVATIONS	
VA-1857-04	NEW WORK ROOF PLAN AND NOTES	
VA-1857-05	ANTENNA SCHEDULE AND DETAILS	
VA-1857-06	SCHEMATIC WIRING DIAGRAM	
VA-1857-07	ANTENNA SYSTEM DIAGRAM	
VA-1857-08	DETAILS	
VA-1857-09	RF CONTROL DIAGRAM	
VA-1857-10	RF CONTROL, DIAGRAM	
VA-1857-11	POWER RIGER AND PANEL SCHEDULE	

A/E DOCUMENT REVIEW STATUS

NO.	DESCRIPTION	DATE	STATUS
1	Initial Review of all drawings, construction and proposed		ENG
2	Final Review of all drawings, construction and proposed		CONST
3	Final Review of all drawings, construction and proposed		SA
4	Final Review of all drawings, construction and proposed		TELECO

VICINITY MAP



DIRECTIONS

DIRECTIONS FROM HANDOVER:

1. TURN LEFT ON STANDARD DR. HANDOVER RD 2107B ON STANDARD DR (SOUTH) 0.4 MI
2. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
3. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
4. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
5. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
6. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
7. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
8. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
9. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
10. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
11. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
12. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
13. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
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15. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
16. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI
17. TURN LEFT ON QUINCY ST ON STANDARD DR (SOUTH) 0.4 MI

APPLICABLE BUILDING CODES AND STANDARDS

1. SUBCONTRACTORS WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION AND SHALL BE SUBJECT TO THE DATE OF CONTRACT AWARD.
2. BUILDING CODE, ANTEENNA BUILDING CODE 2001 WITH LOCAL AMENDMENTS.
3. NATIONAL ELECTRICAL CODE, NFPA 70E WITH LOCAL AMENDMENTS.
4. AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
5. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION.
6. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-B, STRUCTURAL REQUIREMENTS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES FOR TELECOMMUNICATIONS.
7. INSTITUTE FOR ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) BY GUIDE FOR MOUNTING EXTERIOR ANTENNAS ON ROOFS OF BUILDINGS AND LIGHT RADIATE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT (IEEE C62.4), RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS FROM LOCATION CATEGORY C3 AND HIGH SYSTEM EXPOSURE.
8. TEL-CORENIA 68-115 GENERAL INSTALLATION REQUIREMENTS.
9. ANSI T1131, FOR TELECOM - 1X POWER SYSTEMS 1E BCOM ENVIRONMENTAL PROTECTION.
10. FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS RECOMMENDING HAZARDOUS METHODS OF CONSTRUCTION OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN.
11. SPECIFIC REQUIREMENTS IN SPECIAL REQUIREMENTS SHALL GOVERN.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE INSTALLATION OF TWO (2) 1X A/F FROM MOUNTED TELECOMMUNICATIONS ANTENNAS ON THE EXISTING ROOF AND THREE (3) ANTENNAS MOUNTED ON EXTERIOR SCOURTAIN.



BECHTEL COMMUNICATIONS
9720 DEER CREEK RD.
COLUMBIA, MD 21046
PHONE: (443) 246-2308



SITE NAME: VA1857 QUINCY STREET
SITE NUMBER: 1857
4020 WASHINGTON BLVD
ARLINGTON, VA 22201

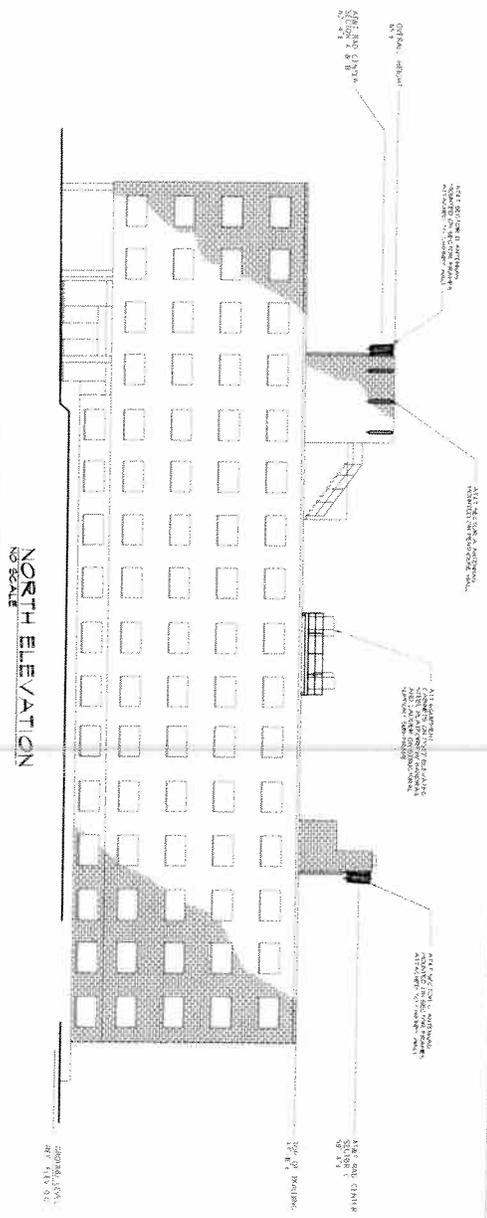


1. INITIAL PRELIMINARY REVIEW
2. REVISED FOR CONSTRUCTION
3. REVISED FOR REVIEW
4. REVISED FOR REVIEW

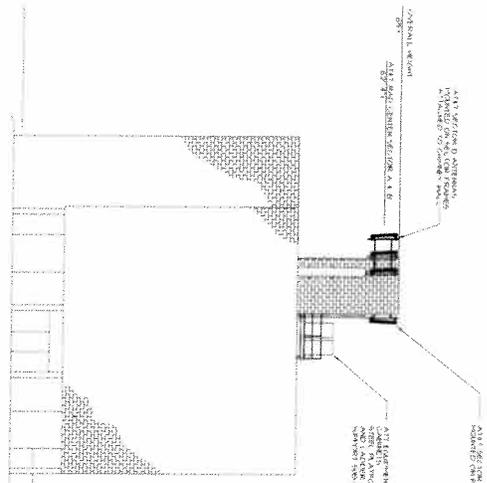
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2	08/11/09	REVISED FOR CONSTRUCTION
3	08/11/09	REVISED FOR REVIEW
4	08/11/09	REVISED FOR REVIEW

DATE: 11/19/09
SCALE: AS NOTED
DRAWN BY: CSM
CHECKED BY: CSM
JOB NUMBER: 25471-910
DRAWING NUMBER: VA-1857-01

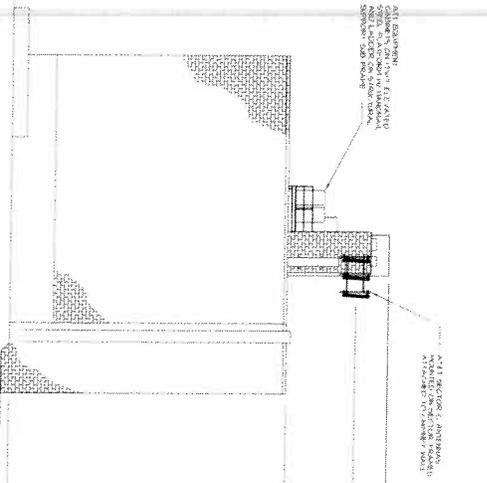




NORTH ELEVATION
NO SCALE



EAST ELEVATION
NO SCALE



WEST ELEVATION
NO SCALE

BECHTEL
BECHTEL COMMUNICATIONS
9700 BERKEP RD.
GROUBA, MD 21046
PHONE: (443) 546-2399

at&t
at&t Mobility
1150 CLAYBURN DRIVE
HANOVER, MD 21076

SITE NAME: VA1857 QUINCY STREET
SITE NUMBER: 1857
4020 MANHATTAN BLVD
ARLINGTON, VA 22201

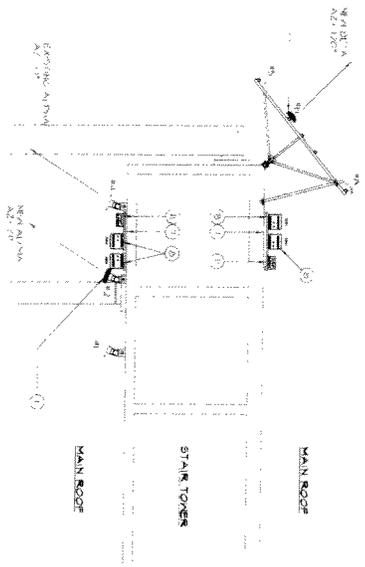
THE ARCHITECT
ARCHITECT
1111 KENYON AVENUE
ARLINGTON, VA 22201

THE ARCHITECT
ARCHITECT
1111 KENYON AVENUE
ARLINGTON, VA 22201

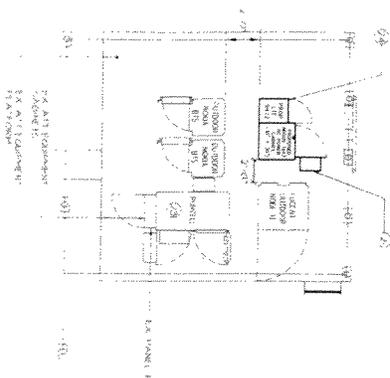
NO	DATE	REVISIONS	BY	CHKD	APP'D
1		CONSTRUCTION PERMIT REVIEW			
2		ISSUED FOR CONSTRUCTION			
3		ISSUED FOR REVIEW			

at&t
BUILDING ELEVATIONS
DATE: 10-1-07
SCALE: AS SHOWN

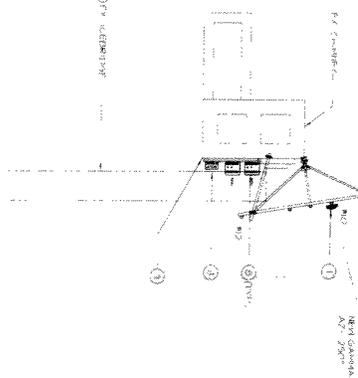
BECHTEL SCOPE OF WORK



ALPHA AND BETA SECTOR PART PLAN



GAMMA SECTOR PART PLAN



ROOF KEY PLAN

1. REMOVE EXISTING ROOF FROM ALL SECTORS.
2. REMOVE EXISTING ROOF FROM ALL SECTORS.
3. REMOVE EXISTING ROOF FROM ALL SECTORS.
4. REMOVE EXISTING ROOF FROM ALL SECTORS.
5. REMOVE EXISTING ROOF FROM ALL SECTORS.
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38. REMOVE EXISTING ROOF FROM ALL SECTORS.
39. REMOVE EXISTING ROOF FROM ALL SECTORS.
40. REMOVE EXISTING ROOF FROM ALL SECTORS.



BECHTEL
BECHTEL COMMUNICATIONS
 4700 BRINGER RD.
 COLLEGE PARK, MD 21046
 PHONE: (443) 546-7200

at&t
 Mobility
 7150 PLANTERS BLVD
 ANNAPOLIS, MD 21406

SITE NAME: VA 1857 QUINCY STREET
SITE NUMBER: 1857
 48271 WASHINGTON BLVD
 PALM SPRING, CA 92261



NO.	DATE	BY	DESCRIPTION
1	01/15/12	...	...
2	02/15/12	...	...
3	03/15/12	...	...
4	04/15/12	...	...
5	05/15/12	...	...
6	06/15/12	...	...
7	07/15/12	...	...
8	08/15/12	...	...
9	09/15/12	...	...
10	10/15/12	...	...
11	11/15/12	...	...
12	12/15/12	...	...

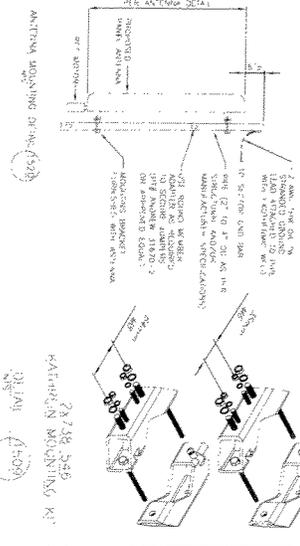
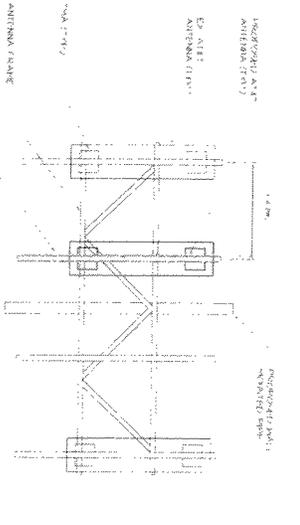
at&t
NEW ROOF PLAN AND NOTES
 DRAWN BY: ...
 CHECKED BY: ...
 DATE: ...

ANTENNA CABLE SCHEDULE

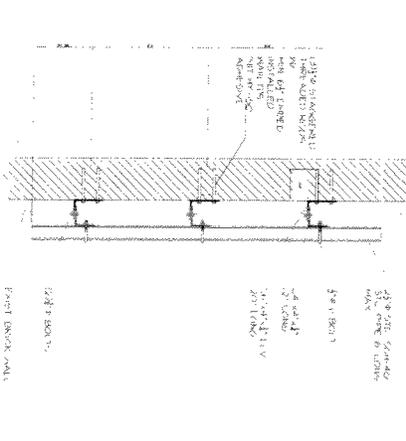
ANTENNA POSITION	TYPE OF ANTENNA	RAD CENTER	COAX SIZE	EST LENGTH	TAPER	ANTENNA DIRECTION	REF CABLE
1	0 DEGREE	62'-0"	(2) 1/2"	120'	CONCRETE	SWTX	SWTX
2	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
3	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
4	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
5	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
6	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
7	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
8	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
9	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
10	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
11	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX
12	0 DEGREE	62'-0"	(2) 1/2"	90'	CONCRETE	SWTX	SWTX

ANTENNA SCHEDULE NOTES

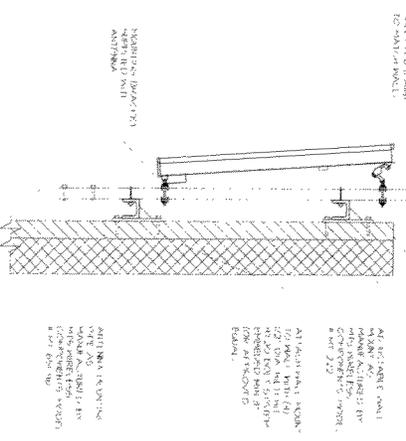
1. ALL CABLE LENGTHS AND ESTIMATED ANTENNA HEIGHTS BE FIELD VERIFIED BY THE GENERAL FOR
2. LOCATION FOR MOUNTING SHALL BE 30' WERE FROM THE REVISION "SEE PLAN 10-11"
3. CONCRETE SHALL BE INSTALLED UNDER THE ANTENNA IN THE FIELD WITH A 4" MINIMUM COVER
4. CONCRETE SHALL BE INSTALLED UNDER THE ANTENNA IN THE FIELD WITH A 4" MINIMUM COVER
5. EACH CABLE SHALL BE STAMPED WITH "ANTENNA" AND THE DATE OF INSTALLATION
6. CABLE SHALL BE STAMPED WITH A CONCRETE MARKER WITH "ANTENNA"



DETAIL - EX PIPE MOUNT ANTENNA (SECTOR ALPHA / BETA)



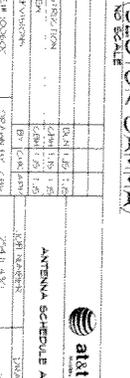
DETAIL - PIPE MOUNT ANTENNA (SECTOR GAMMA)



DETAIL - EX ANTENNA MOUNT ATTACHMENT TO SCALE



DETAIL - PIPE MOUNT ANTENNA (SECTOR GAMMA)



NO.	DATE	DESCRIPTION	BY	CHKD
1	01/11/11	ISSUED FOR REVIEW	...	...
2	01/11/11	ISSUED FOR REVIEW	...	...
3	01/11/11	ISSUED FOR REVIEW	...	...
4	01/11/11	ISSUED FOR REVIEW	...	...

BECHTEL COMMUNICATIONS
9720 REGER RD
COLUMBIA, MD 21046
PHONE: 443-545-2300

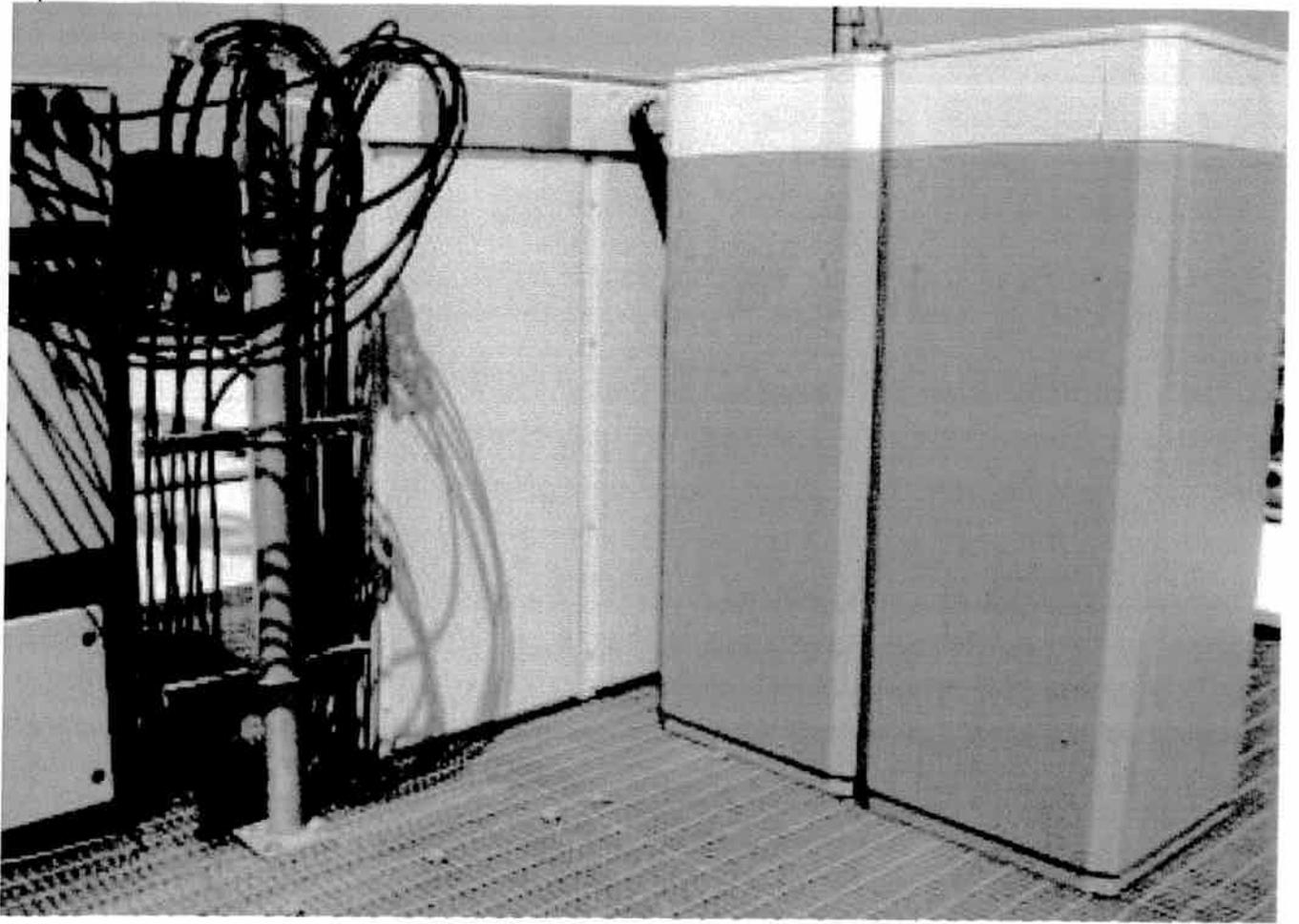
at&t
1155 STANBURY PIKE
ANNE Arundel, MD 21011

SITE NAME: VA 1857 QUINCY STREET
SITE NUMBER: 1857
4026 WASHINGTON BLVD
MANASSAS, VA 22031

at&t

ANTENNA SCHEDULE AND DETAILS





I. U-3289-11-1

PROJECT DESCRIPTION

THIS PROPOSAL IS FOR AN UNMOUNTED TELECOMMUNICATIONS FACILITY CONSISTING OF THE LOCATION OF SHEET (3) ADDITIONAL PANEL ANTENNAS (1 PER SECTION) ON EXISTING ANTENNA MOUNTS ON EXISTING TOWER.

PROJECT INFORMATION

LANDLORD/PROPERTY OWNER:
COMMUN. MGMT. OF VIRGINIA DEPT. OF TRANSPORTATION
3975 FAIR RIDGE DRIVE, FAIRFAX, VA 22033

TOWER OWNER:
AT&T TOWERS

JURISDICTION:
ARLINGTON COUNTY, VIRGINIA

PROPERTY INFORMATION:
1-46/0711 71 FAIRFAX DRIVE
ARLINGTON, VA 22205

COORDINATES:
LATITUDE: N 39° 52' 54.4794"
LONGITUDE: W 77° 7' 19.1984"

HANDICAP REQUIREMENTS: FACILITY IS UNMOUNTED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS NOT REQUIRED.

ALL EXCAVATIONS MUST CONTACT VA UTILITY LOCATORS (1-800-332-7091) AT LEAST 3 BUSINESS DAYS PRIOR TO EXCAVATION. SEE STANDARD 51.04B.

RF DATA SHEET

DATE ISSUED: 9/28/10

VERSION: DTC.M4.0

DRAWING INDEX

NO.	DESCRIPTION	REV
0855-T1	TITLE SHEET	0
0855-SP1	EXISTING SITE PLAN	0
0855-C1	PROJECT NOTES	0
0855-C2	SITE PLAN AND ELEVATION VIEW	0
0855-C3	SITE DETAILS	0
0855-C4	GROUNDING DETAILS	0
0855-C5	SITE DETAILS	0
0855-C6	SITE DETAILS	0
0855-1400A	AT&T MOBILITY SYSTEM DIAGRAM, TOWER SITE WITH INDOOR BASE BAND AND RRHS ON TOWER	0
0855-1416	AT&T MOBILITY WIRING DIAGRAM, INDOOR BASE BAND AND RRHS ON TOWER, DC/DC CONVERTER, DCG	0
0855-8A&8D	LTE & RRH DETAILS	0
0855-8C	LTE & RRH DETAILS - MOUNTED ON TOWER	0
0855-12B	LTE DETAILS - RET RACK & RAYCAP BOXES	0
0855-1419	RET CONFIGURATION DIAGRAM	0

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEERS IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

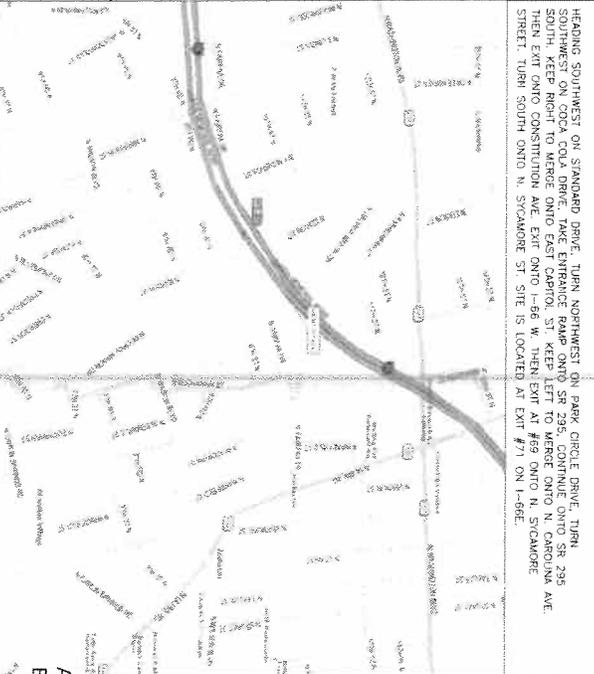


CLAYTON PYLE SCHOMER BURNS & DEHAVEN INC.
GPD ASSOCIATES
570 South Main Street, Suite 201, Akron, Ohio 44311
330.572.2100, Fax: 330.572.2101



SITE NAME: VENT STACK VDOT
SITE ID NUMBER: 0855

VICINITY MAP



DIRECTIONS: FROM AT&T HANDOVER OFFICE:
HEADING SOUTHWEST ON STANFORD DRIVE, TURN NORTHWEST ON PARK CIRCLE DRIVE, TURN SOUTHWEST ON COCA COLA DRIVE, TAKE ENTRANCE RAMP ONTO SR 295, CONTINUE ONTO SR 295 SOUTH, KEEP RIGHT TO MERGE ONTO EAST CAPITOL ST, KEEP LEFT TO MERGE ONTO N CAROLINA AVE, THEN EXIT ONTO CONSTITUTION AVE, EXIT ONTO 1-66 W, THEN EXIT AT #69 ONTO N. SYCAMORE STREET. TURN SOUTH ONTO N. SYCAMORE ST. SITE IS LOCATED AT EXIT #71 ON 1-66E.

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 (AAJ) FOR THE LOCATION. THE EDITION OF THE AAJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODES:
INTERNATIONAL BUILDING CODE (IBC 2006), IRC 2003 WITH LOCAL AMENDMENTS
NATIONAL ELECTRICAL CODE: NEC 2008 WITH LOCAL AMENDMENTS
NFPA SAFETY CODE: NFPA 2009 WITH LOCAL AMENDMENTS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, 450, NINTH EDITION

TELECOMMUNICATIONS INDUSTRIES ASSOCIATION (TIA/EIA-222-F): STRUCTURAL STANDARDS FOR STEEL TOWER AND ANTENNA SUPPORT STRUCTURES FOR RADIO AND TELEVISION BROADCASTING TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81: GUIDE FOR MEASURING EARTH RESISTANCE OF ELECTRICAL SYSTEMS
IEEE 1100 (LATEST EDITION): RECOMMENDED PRACTICE FOR FOUNDATIONS AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE 682-41: RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORIES "C3" AND "HIGH SYSTEM EXPANSION")

TELECOMA GR-1273: GENERAL INSTALLATION REQUIREMENTS

TELECOMA GR-1503: CARRIAGE CABLE CONNECTIONS

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

FOR ANY CONTRACTS BETWEEN SECTIONS OF USED CODES AND STANDARDS REGARDING MATERIAL METHODS OF CONSTRUCTION OR OTHER REQUIREMENTS A GENERAL REQUIREMENT SUPPLEMENT SHALL GOVERN, WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.



AAE DESIGN PACKAGE REVIEW STATUS

NO.	COMMENTS	DATE
1.0	ACCEPTED-NO COMMENTS, PROCEED	9/27/10
2.0	COMMENTS	

TEL: 977-9272/10
A1-Akayshie Bashar

NO.	DATE	REVISIONS / ISSUES	BY	CHKD BY
0	10/14/11	ISSUE FOR OWNER COMMENTS	SCB	ELB
1	10/14/11	REVISIONS / ISSUES	BY	CHKD BY
2	10/14/11	REVISIONS / ISSUES	BY	CHKD BY



NO.	DATE	REVISIONS / ISSUES	BY	CHKD BY
0	10/14/11	ISSUE FOR OWNER COMMENTS	SCB	ELB
1	10/14/11	REVISIONS / ISSUES	BY	CHKD BY
2	10/14/11	REVISIONS / ISSUES	BY	CHKD BY



AT&T LTE PROJECT

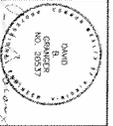
BECHTEL
 COMMUNICATIONS
 9200 BERGER ROAD
 COLUMBIA, MD 21046

GPD ASSOCIATES
 CLAUIS PYLE SCHROEDER BURNS & DEHAVEN INC.
 500 South Main Street, Suite 221, Arlington, VA 22205
 304.572.2100 / Fax 304.572.2201

SITE NAME: VENT STACK VDOT
 SITE ID NUMBER: 0855
 1-66/EXIT 71 FAIRFAX DRIVE
 ARLINGTON, VA 22205

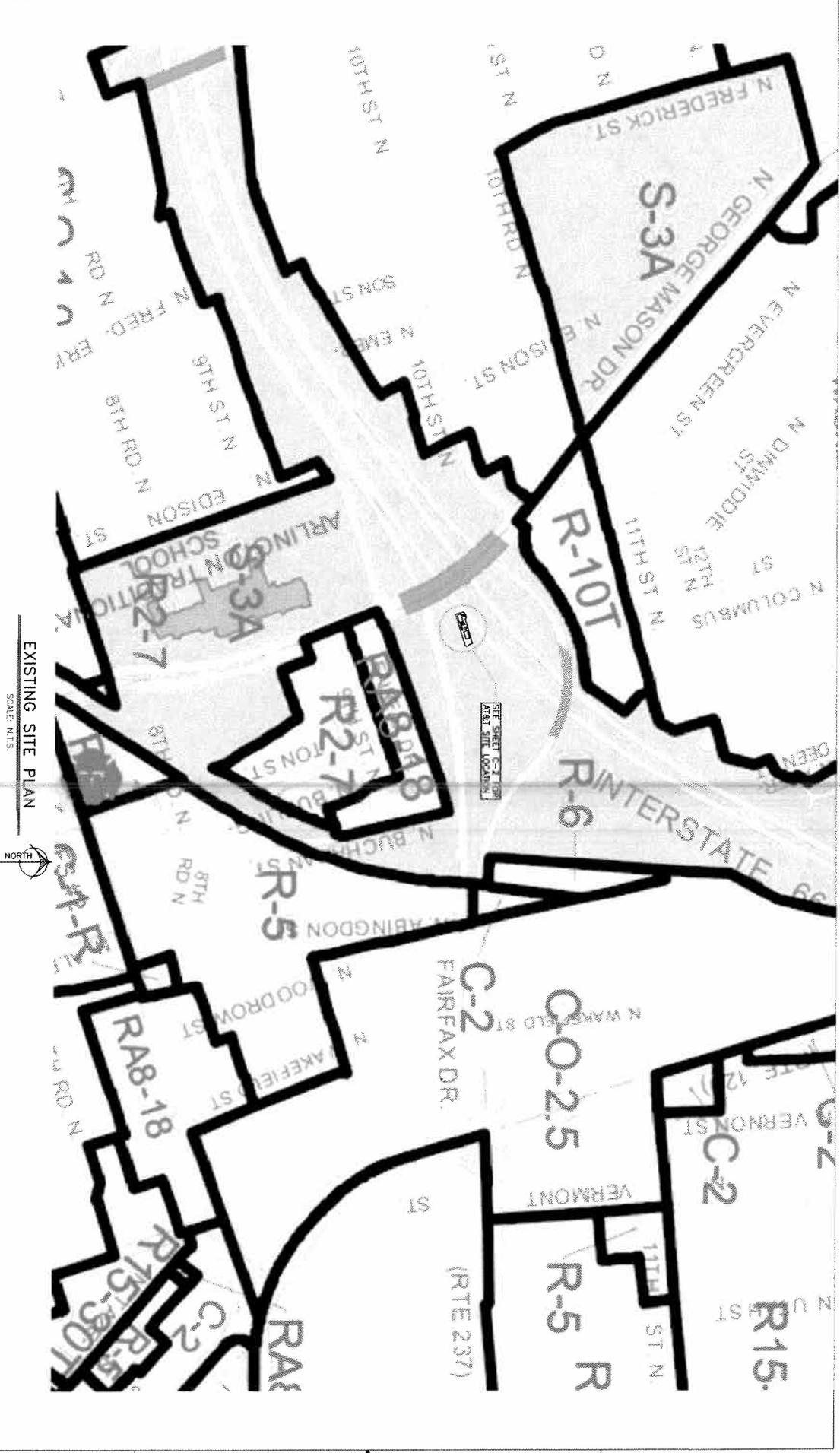
AT&T Mobility
 7150 STANDARD DRIVE
 HANOVER, MD 21076

NO.	DATE	REVISIONS / COMMENTS	BY	CHK	APP
0	7/14/11	REVISED PER OWNER COMMENTS	SCB	DLB	DLB
1		DESIGNED BY	DLB	DLB	DLB
2		DESIGNED BY	DLB	DLB	DLB

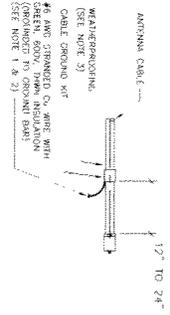


AT&T
 LTE PROJECT

EXISTING SITE PLAN
 DRAWING NUMBER: 0855-SP1
 DATE: 7/14/11

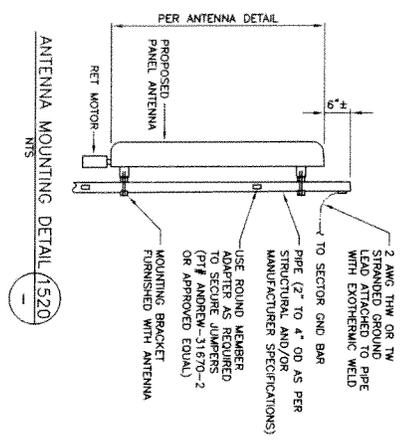
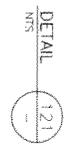


6 5 4 3 2 1 A B C D



CONNECT OF CABLE GROUND KIT TO ANTENNA CABLE

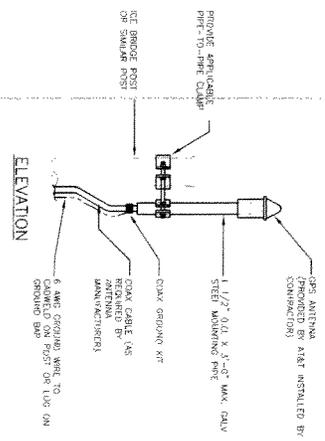
- NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A 90-Degree AND ALWAYS BRACKET GROUNDING WITH SCREW TO SECTION BAR
 - GROUNDING KIT SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER)
 - WATERPROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER)



- NOTES:**
- LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY
 - ANCHOR MUST HAVE ANY BUSHINGS EXCEPT 25% OF THE SECTION BAR
 - NO GPS ANTENNA LOCATIONS EXCEPT FOR THE GPS ANTENNA SIGNALS SHALL BE MAINTAINED UNTIL THE FINAL LOCATION OF GPS ANTENNA HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA

E911-GPS ANTENNA PIPE MOUNT

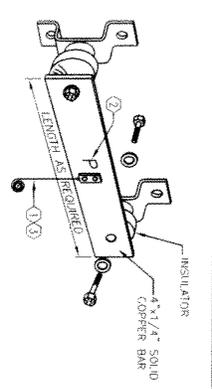
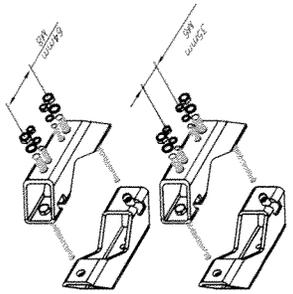
DETAIL 1121 NTS



- DETAIL NOTES:**
- 2-INCH-DIA. LONG BARREL COMPRESSION LUG WITH 2 AWG STRANDED COPPER CONDUCTOR SHALL BE USED TO ATTACH TO SECTION BAR AS APPLICABLE TO BIRDED GROUND CONDUCTOR OR MASTER GROUND BAR AND CONNECT WITH TWO-HOLE LUG TO "P" SECTION
 - USE PERMANENT MARKER TO LABEL THE WHOLE BAR AS "P" WITH 1" HIGH LETTERS.
 - FOR GROUND BAR LOCATED OUTDOORS, ON-GRADE OR EXOTHERMICALLY WELD A 2 AWG BARE TINNED COPPER CONDUCTOR TO GROUND BAR AND EXOTHERMICALLY WELD TO BIRDED GROUND CONDUCTOR.

SUPPLEMENTAL/SECTOR GROUND BAR

DETAIL 1124 NTS



- DETAIL NOTES:**
- EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY GROUND AND DESTINATION
 - COAXIAL CABLE SURGE SUPPRESSORS
 - RETICULAR FRAMES
 - GENERATOR FRAME WORK
 - MASTER GROUND BAR

BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046

GPD ASSOCIATES
CLAUIS PYLE SCHONER BURNS & DEHAVIN INC.
520 South Main Street, Suite 2231 Akron, Ohio 44311
330.572.2100 Fax: 330.572.2101

SITE NAME: VENT STACK VDOT
SITE ID NUMBER: 0855
1-66/EXIT 71 FAIRFAX DRIVE
ARLINGTON, VA 22205

A&T Mobility
7150 STANDARD DRIVE
HANOVER, MD 21076

REV	DATE	DESCRIPTION / ISSUED BY	SCALE
0	7/14/11	WORKING DRAWING COMPLETE	SCALE
1	10/20/11	REVISED BY: [Signature]	SCALE: AS SHOWN

AT&T LTE PROJECT

SITE DETAILS

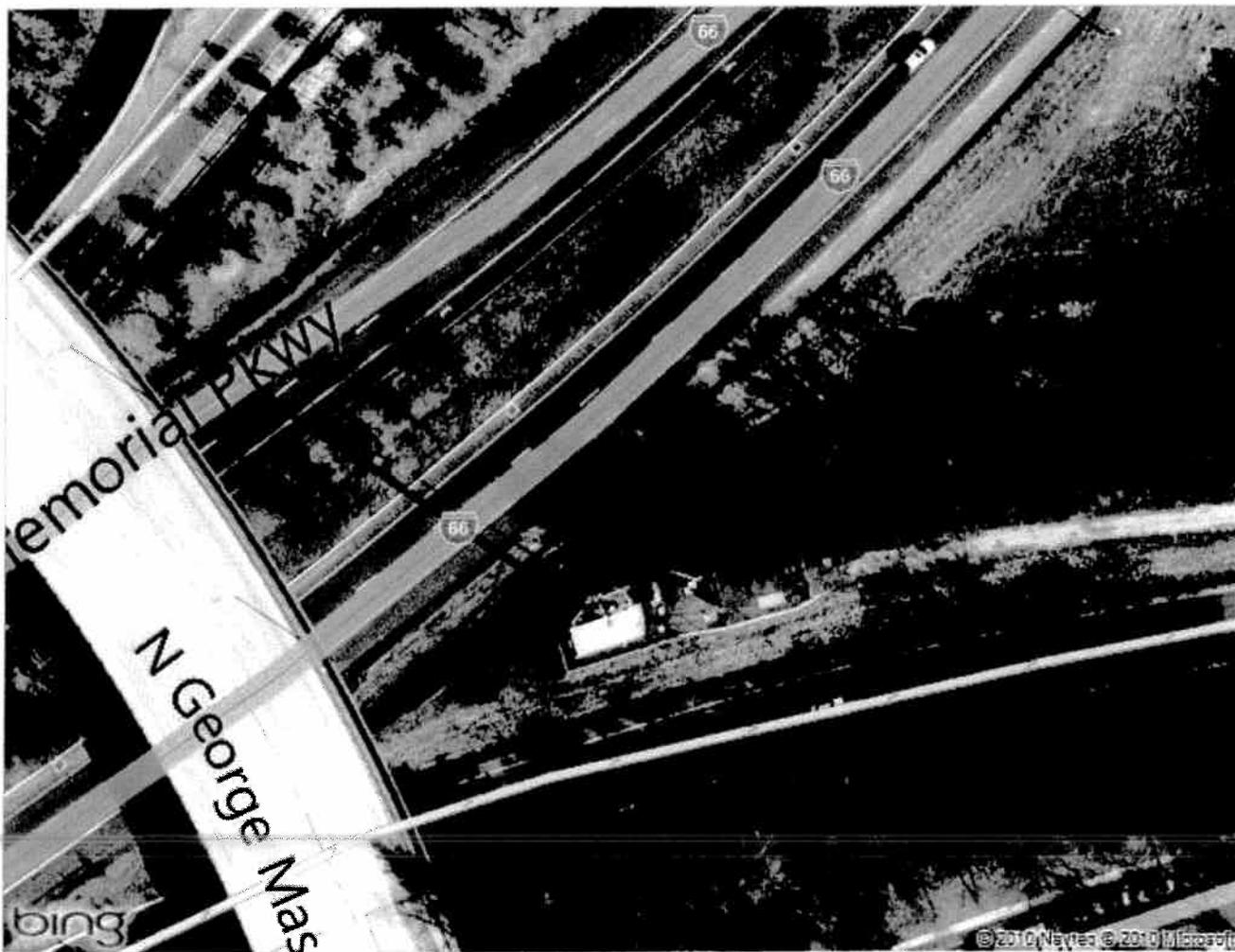
PROJECT NUMBER	0855-C3
DATE	7/14/11

VENT STACK

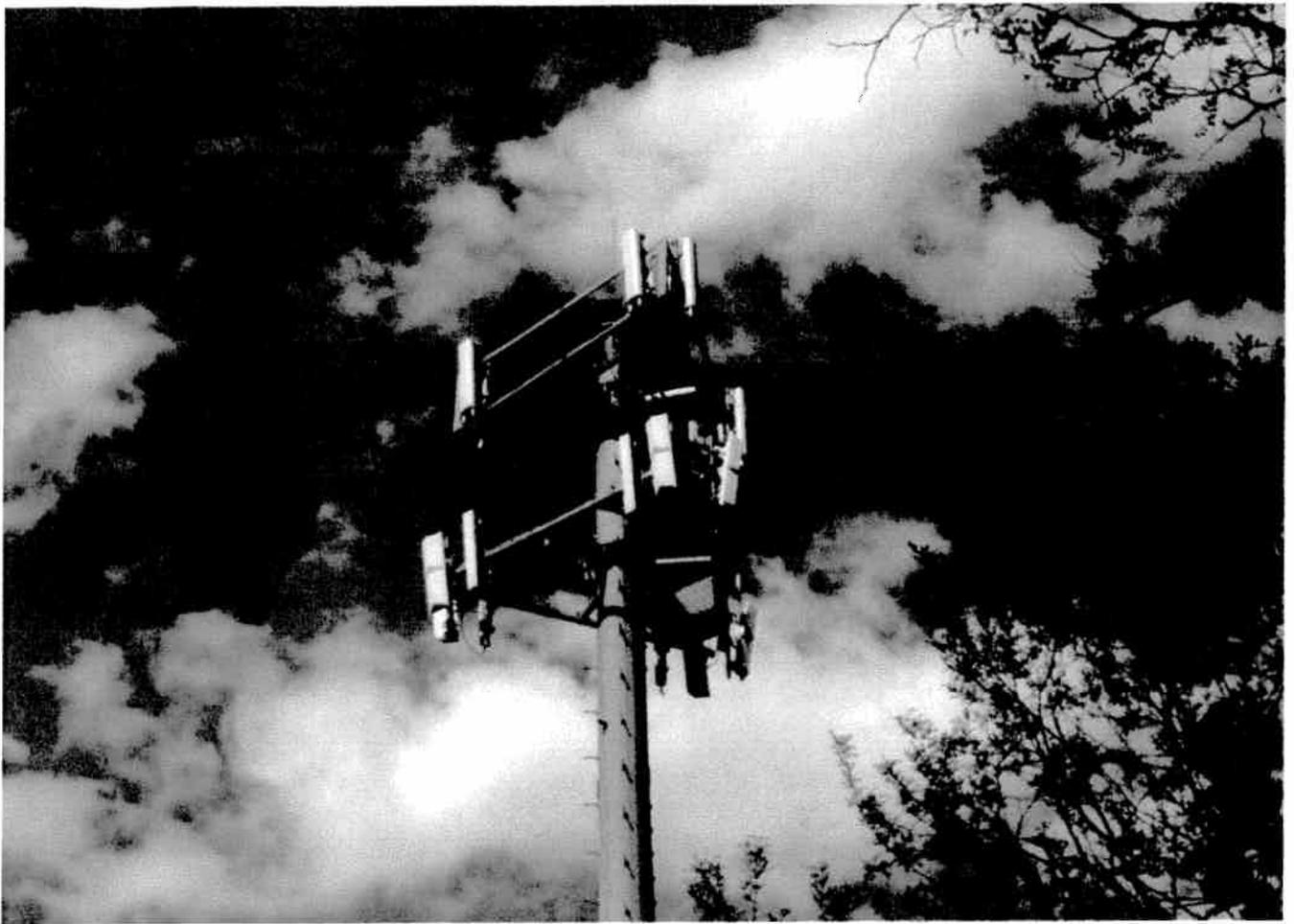
Bing Maps

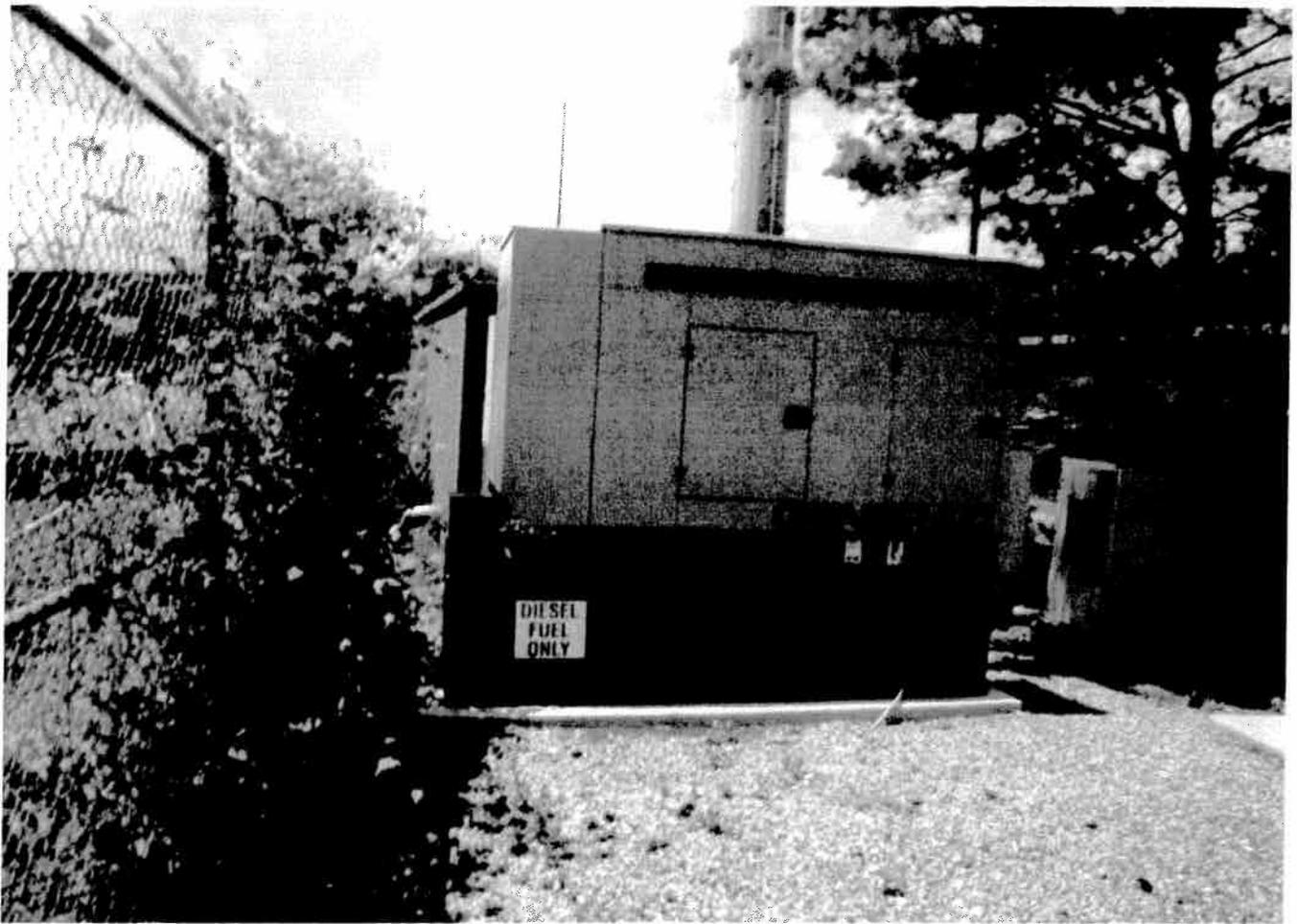
Na171 & I-66, Arlington, VA 22201

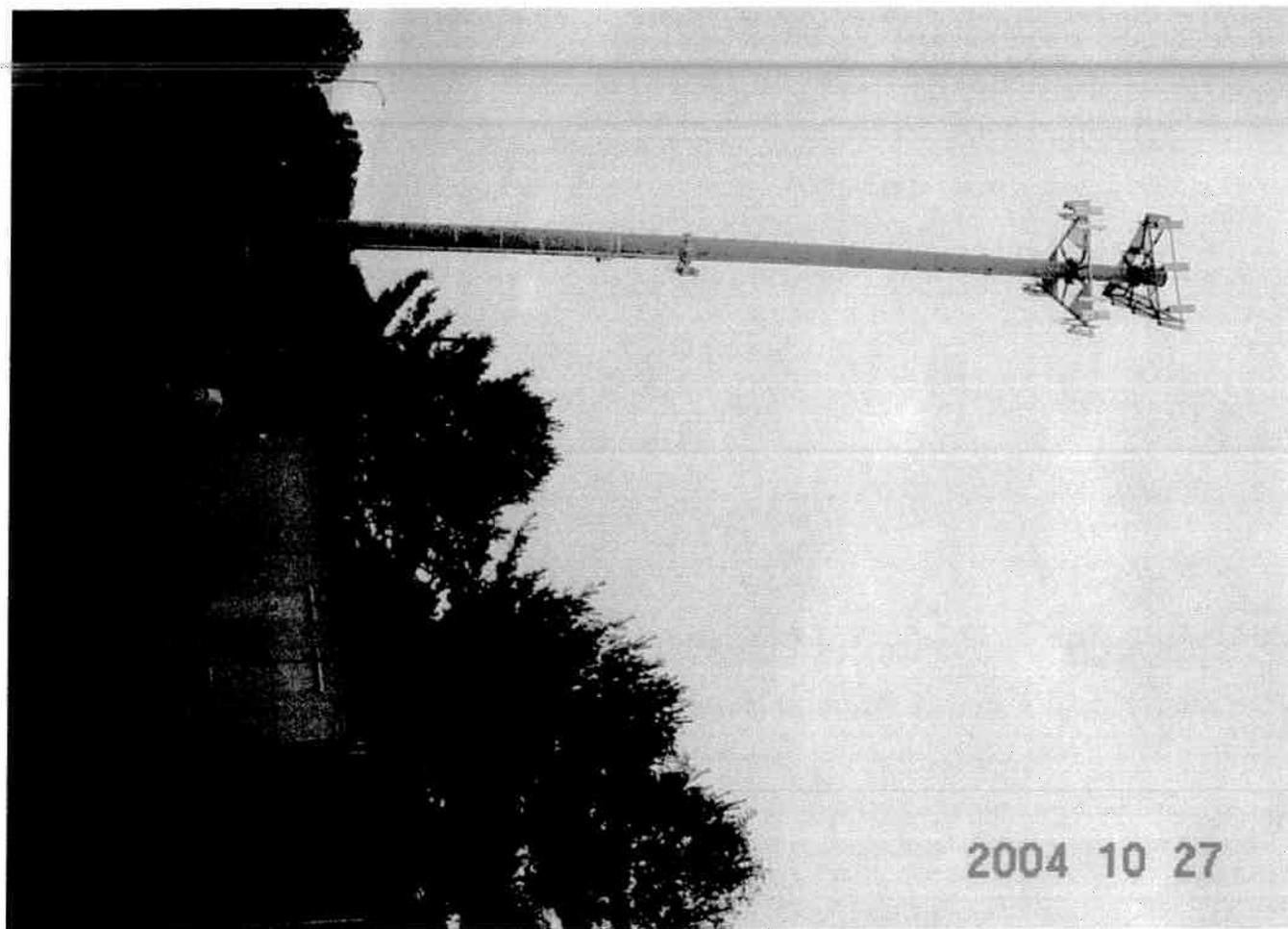
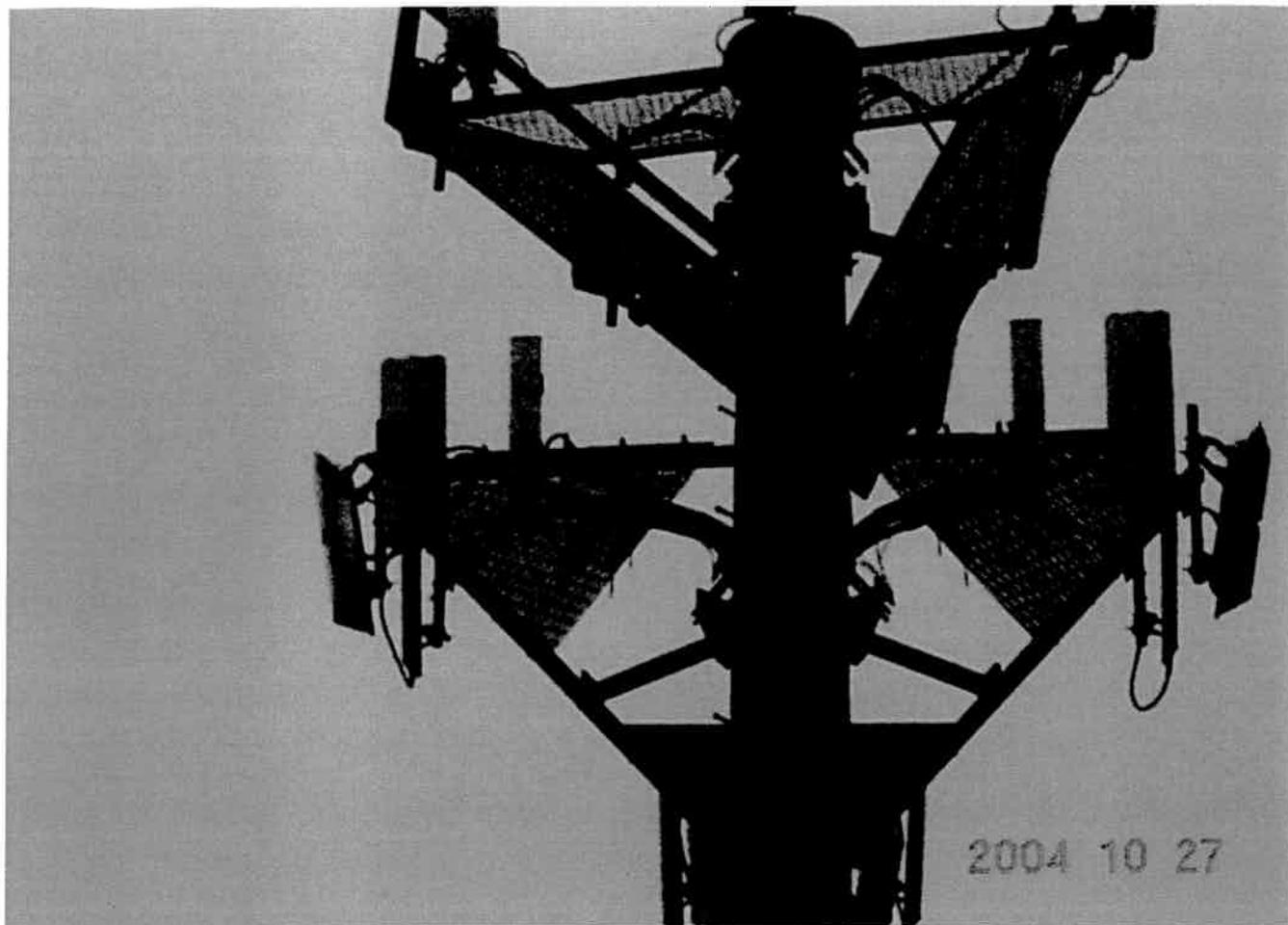
Na171 & I-66, Arlington, VA 22205



 Bird's eye view maps can't be printed, so another map view has been substituted.







J. U-3290-11-1

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING NEW EQUIPMENT ON A EXISTING EQUIPMENT PAD AND NEW ANTENNAS WITH ASSOCIATED SUPPORT EQUIPMENT ON AN EXISTING ROOF TOP PLATFORM.

PROJECT INFORMATION

APPLICANT ADDRESS: AT&T
1701 STANDAR DRIVE
HANOVER, MD 21076

JURISDICTION: ARLINGTON COUNTY, VA

PROPERTY OWNER: COLUMBIUS CLUB OF ARLINGTON

LATITUDE: N 28.90666 (NAD 83)

LONGITUDE: W 77.14191 (NAD 83)

RF DATA SHEET

DATE ISSUED: 4/26/2010

VERSION: LTEL-002.1

PROJECT CONTACTS

1. AT&T PROJECT MANAGER: STEVEN SAFIRE
PHONE: (301) 489-3378
COLUMBIUS CLUB OF ARLINGTON
2. SITE OWNER: ATR: BETTY FLORENCE
PHONE: (703) 536-9856

DRAWING INDEX

DRAWING INDEX	REV
T1-VA-1487-01 TITLE SHEET	1
T1-VA-1487-01A SITE PLAN	0
T1-VA-1487-02 COMPOUND PLAN AND GENERAL NOTES	0
T1-VA-1487-03 EQUIPMENT LAYOUT AND SCOPE OF WORK	0
T1-VA-1487-04 ANTENNA PLAN AND BUILDING ELEVATION	0
T1-VA-1487-05 SYSTEM DIAGRAM	0
T1-VA-1487-06 WIRING DIAGRAM	0
T1-VA-1487-07 DETAILS	0
T1-VA-1487-08 ANTENNA DETAILS	0
T1-VA-1487-09 DETAILS	0
T1-VA-1487-10 DETAILS	0
T1-VA-1487-11 DETAILS	0
T1-VA-1487-12 CONNECTION DIAGRAM AND AC PANEL SCHEDULE	0
T1-VA-1487-13 RET CONTROL DIAGRAM	0
T1-VA-1487-14	0

STATUS NO.	WORK MAY PROCEED	REVISIONS
1	<input checked="" type="checkbox"/>	Work may proceed.
2	<input type="checkbox"/>	Review and resubmit. Work may not proceed.
3	<input type="checkbox"/>	Review and resubmit. Work may not proceed.
4	<input type="checkbox"/>	Review not required. Work may proceed.

BECHTEL

DATE: 04/26/2010

BY: (Responsible Engineer) Joseph Hudock

BECHTEL COMMUNICATIONS
5293 WESTVIEW DRIVE
FREDERICK, MD 21703
PHONE: (301) 228-6000

SITE NAME: STRATFORD
SITE ID NO.: 1487
5115 LITTLE FALLS ROAD
ARLINGTON, VA 22207



SITE NAME: STRATFORD
SITE ID NO.: 1487

APPLICABLE BUILDING CODES AND STANDARDS

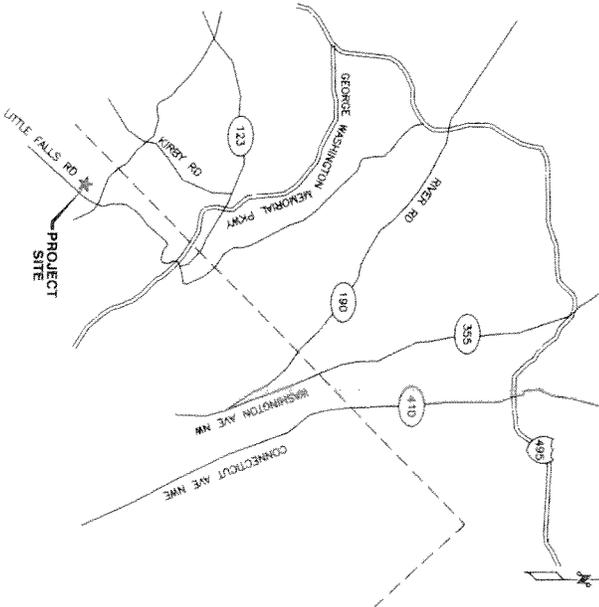
SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (LAW) FOR THE EDITION OF THE AIA ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

INTERNATIONAL BUILDING CODE (IBC) 2006 (VIRGINIA UNIFORM BUILDING CODE)
NATIONAL ELECTRICAL CODE (NEC) 2005 (VIRGINIA UNIFORM STATEWIDE BUILDING CODE)
NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA) 720 (VIRGINIA STATEWIDE FIRE PREVENTION CODE)

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

- ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- ACI 308, CONCRETE TESTING AND QUALITY CONTROL
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) - MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
- ANSI/TIA 222-G, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
- IEEE 62, NATIONAL ELECTRICAL SAFETY CODE, LATEST VERSION
- IEEE 98, NATIONAL ELECTRICAL SAFETY CODE, LATEST VERSION
- IEEE 11, 31.1, 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 MORE STRINGENT REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.



DETAIL

1001

NO.	DATE	REVISIONS	BY	CHK
1	12/21/11	ISSUED AS NOTED		
2	10/06/10	ISSUED FOR CONSTRUCTION		



at&t

TITLE SHEET

25471-430

T1-VA-1487-01

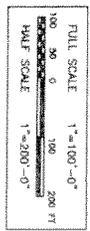
7.1.3.11



BECHTEL COMMUNICATIONS
 1500 WESTVIEW DRIVE
 FREDERICK
 PHONE: (301) 226-6000

SITE NAME: STRATFORD
SITE ID NO.: 1487
 5119 LITTLE FALLS ROAD
 ARLINGTON, VA 22207

at&t
 7150 STAMFORD DRIVE
 HARVARD, MD 21076



SITE PLAN
 SCALE: 1"=100'-0"

REAL ESTATE ASSESSMENT

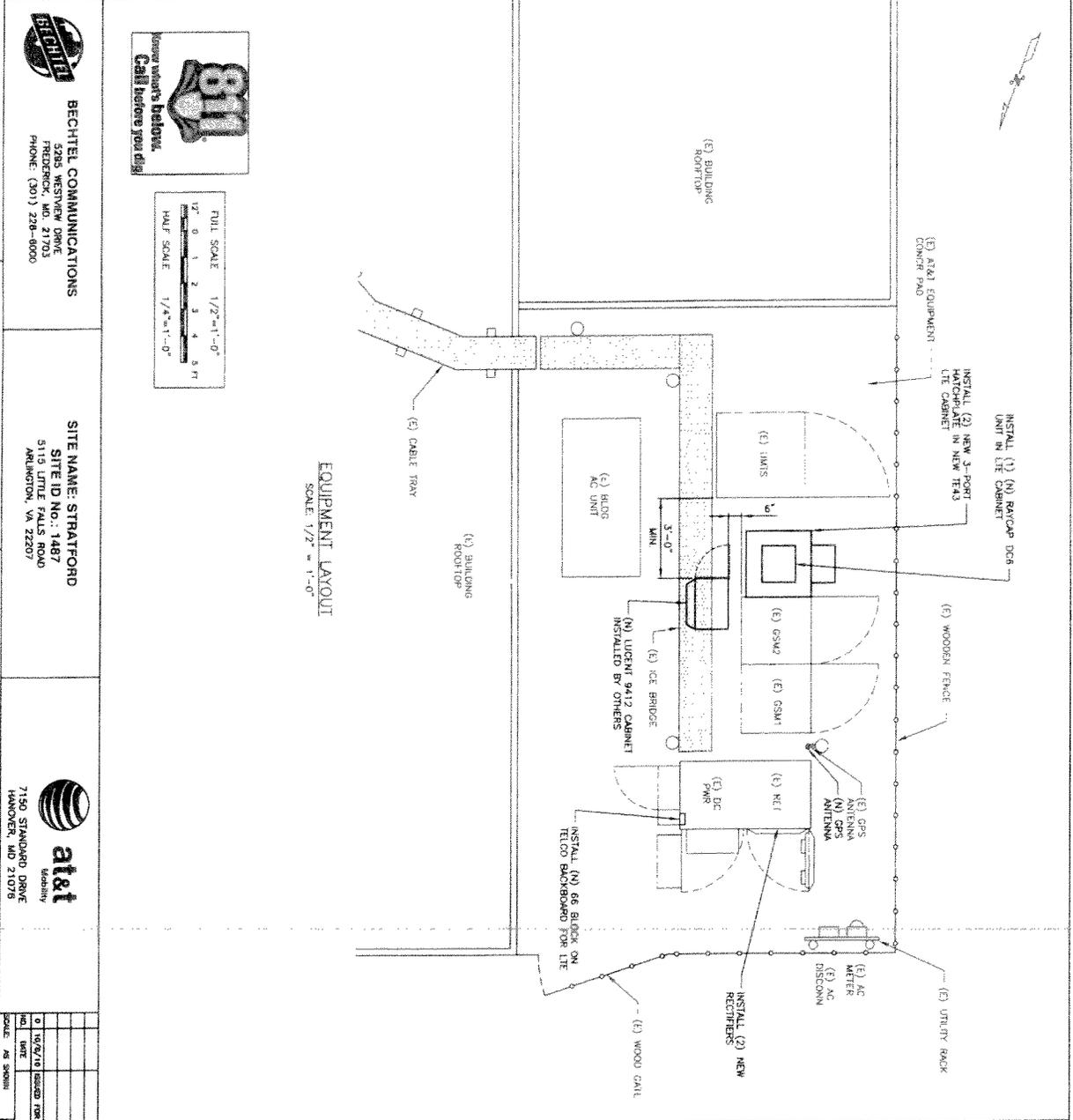
- 1 SINGAR, JENNIFER
5201 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4028
- 2 ATRIN, ROBERT & JENNIFER
5007 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4029
- 3 WENDY, SISSON N
5007 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4030
- 4 BERONINO, ANDRES H
5519 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4031
- 5 WILSON, THURLOW R &
ARLENE E
5229 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4034
- 6 SHERTON, JAMES D
2010 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4033
- 7 SCHALKEN, CHAD C & SQUA
5237 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4034
- 8 PRATT, JOHN B II
5243 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4035
- 9 CLARKE, CHARLES E
5549 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4036
- 10 SUTTON, JOHN D &
CHRISTINE P
5255 32ND ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4037
- 11 MCCUE, RICHARD J &
DERONAH A
5130 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4039
- 12 MCCUE, RICHARD J &
DERONAH A
5012 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4009
- 13 OTSOT, FLORENCE BALMURUK
5124 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4046
- 14 OTSOT, FLORENCE BALMURUK
5124 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4010
- 15 MICHEL, PAUL R
5118 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4011
- 16 GRANETTE, JAMES A &
MARGARET E
5112 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4012
- 17 BAILEY, ELIZABETH L &
CHRISTOPHER R
5101 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4013
- 18 HOWARD, KIM B &
ELIZABETH J
5100 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4014
- 19 RIES, MARK
3801 22ND RD N
ARLINGTON, VA 22207
PPCMSTR 0202-4015
- 20 KIMBACH, ROBERT H &
KRISTINE L W
5024 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4016
- 21 DOUGHER, DAVID JOSEPH JR
& ANNE, DAVISON
5018 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4017
- 22 RIE, S MARK WILLIAM &
KELLY K
5012 33RD ST N
ARLINGTON, VA 22207
PPCMSTR 0202-4018
- 23 GACOMETTI, ANDELA R &
ROSSANO D
5085 LITTLE FALLS RD
ARLINGTON, VA 22207
PPCMSTR 0202-4048
- 24 DOUGSON, PAUL C FR &
KELLY K
5088 LITTLE FALLS RD
ARLINGTON, VA 22207
PPCMSTR 0202-4049
- 25 MCCORMACK, RICHARD M &
SARA L
5011 LITTLE FALLS RD
ARLINGTON, VA 22207
PPCMSTR 0202-4050
- 26 TYLER, DAVID M &
HOLLY DELL
1880 CAPITAL ONE DR
ARLINGTON, VA 22207
PPCMSTR 0202-4051
- 27 GORDON, RONALD J &
SARA L
5101 LITTLE FALLS RD
ARLINGTON, VA 22207
PPCMSTR 0202-4052
- 28 WADDELL, A CHRISTOPHER &
THERESA C THS ET AL
5109 LITTLE FALLS RD
ARLINGTON, VA 22207
PPCMSTR 0202-4054

NOTES:
 1. THE PROPERTY INFORMATION WAS COMPILED FROM GIS.ARLINGTONVA.US/ACAMP/NEIGHBORS/AMP
 2. NO SURVEY WAS PERFORMED.

NO.	DATE	REVISIONS	BY	CHKD	APP'D
0	5/27/11	ISSUED FOR CONSTRUCTION			
1		REVISED FOR REVISIONS			

SCALE: AS SHOWN	DESIGNED BY: JAA	DRAWN BY: JAA
	DATE: 5/27/11	DATE: 5/27/11
	PROJECT NO: 1487	PROJECT NO: 1487
	SHEET NO: 0	SHEET NO: 0
	TOTAL SHEETS: 1	TOTAL SHEETS: 1

25471-430	11-WA-1487-01A
0	0



EQUIPMENT LAYOUT
SCALE: 1/2" = 1'-0"



BECHTEL COMMUNICATIONS
5285 WESTVIEW DRIVE
FARMERS BRANCH, TX 75448
PHONE: (301) 228-1000

SITE NAME: STRATFORD
SITE ID NO.: 1487
5119 LITTLE FALLS ROAD
ARLINGTON, VA 22207

at&t
7150 STANDARD DRIVE
HANOVER, MD 21076

NO.	DATE	REVISIONS	DESIGNED BY: JAL	DRAWN BY: JAL
0	10/27/16	ISSUED FOR CONSTRUCTION		
1		REVISED BY: JAL		
2		REVISED BY: JAL		



NO.	DATE	REVISIONS	DESIGNED BY: JAL	DRAWN BY: JAL
0	11/14/16	ISSUED FOR CONSTRUCTION		
1		REVISED BY: JAL		
2		REVISED BY: JAL		

at&t

EQUIPMENT LAYOUT AND SCOPE OF WORK
25471-430
11-14-16-1487-03
Z134 V 3E

SCOPE OF WORK

- STRATFORD
FIBER DC RIMS, PURCELL, STEALTHING TOPSIDE
7-28 -- RTR V2.1 6/26, RTR AT ANTENNA
AZ 0-150-240 PER FEED LIE AZ 0-110-250 --- NO ISSUE INSIDE STEALTH AREA
- INSTALL (3) NEW KATHREIN LIE ANTENNA ON NEW MOUNTS, NEW MASTS (3 TOTAL)
 - RELOC EXISTING 5M RET CABLE BETWEEN EACH ANTENNA PER SECTION (3 TOTAL)
 - INSTALL (1) NEW 5M RET CABLE FROM (E) ANTENNA TO NEW LIE ANTENNA (3 TOTAL)
 - INSTALL (1) NEW 1M RET CABLE FROM NEW LIE ANTENNA TO (E) ANTENNA (3 TOTAL)
 - INSTALL (1) NEW 1M RET CABLE ON LIE ANTENNA BETWEEN MOTORS (3 TOTAL)
 - REPLACE (1) (E) GROUND BAR WITH (N) AT SECTOR MOUNT (3 TOTAL)
 - INSTALL (1) CONCRETE FRAME ON ANTENNA OF FLECO BACKBOARD (3 TOTAL)
 - INSTALL (2) JUMBERS FROM ANTENNAS TO RECHARGERS TO PER SECTION (6 TOTAL)
 - INSTALL (4) FEMALE DC STOPS ON RHH END OF JUMBERS (12 TOTAL)
 - INSTALL (1) DOME SURGE PROTECTION UNIT
 - INSTALL (1) 12PAIR FIBER CABLE FROM DOME TO TEAS (150UL)
 - INSTALL (2) 6C DC CABLES FROM DOME TO TEAS (300UL)
 - INSTALL (6) FIBER JUMBERS FROM DOME SURGE TO RHH (96UL)
 - INSTALL (6) DC JUMBERS FROM DOME SURGE TO RHH (96UL)
 - INSTALL (2) NEW TEAS (200UL)
 - INSTALL (2) 1 PORT PATCH PLATES ON TEAS
 - INSTALL (1) (2) RECTIFIERS --- PURCELL
 - INSTALL (1) NEW RAYCAP DOOR UNIT IN FRAME
 - INSTALL (2) NEW 250A BREAKERS FOR CONVERTER MODULE --- PURCELL BULLET
 - INSTALL (1) NEW 45V DC CONVERTER W/ (3) 2KW CONVERTER MODULES --- PURCELL BULLET
 - INSTALL (1) 66 BLOCK ON ALABR BACKBOARD FOR THE RECHARGERS
 - INSTALL (1) 50 A BREAKERS AND DC DRIPS FOR 9412
 - PREP (1) NEW LUCENT 9412 CABINET
 - INSTALL (1) 1" FLEX CONDUIT FROM LIE FLEX BAY TO 9412 LOCATION -- FLECO (30 LF)
 - INSTALL (1) 2" FLEX WITH 1 1/2" REDUCER FROM 9412 TO LIE FLEX BAY -- RF FIBER (30 LF)
 - INSTALL (1) 1" FLEX CONDUIT FROM 9412 TO LIE FLEX BAY -- ALABR (30 LF)
 - INSTALL (1) 2" FLEX CONDUIT FROM LIE FLEX BAY TO 9412 -- FOWER (30 LF)
 - INSTALL (1) GPS ANTENNA MOUNT NEXT TO (E) GPS ANTENNA
 - INSTALL ALL GROUNDS AS REQUIRED FOR NEW EQUIPMENT
 - SET ANTENNA DOWNLITS FOR UMTS / GSM / LIE PER RTR
 - COMPLETE POWER CALL TESTING
 - COMPLETE WPE STUDY
 - INSTALL (1) UNISTRUT FRAME AND NEW MOUNT ON EXISTING GRATED PLATFORM (TYPICAL EACH SECTOR)



BECHTEL COMMUNICATIONS
 1000 WESTVIEW DRIVE
 FREDERICK, MD
 PHONE: (301) 228-8000

SITE NAME: STRATFORD
 SITE ID NO.: 1487
 5115 LITTLE FALLS ROAD
 ARLINGTON, VA 22207



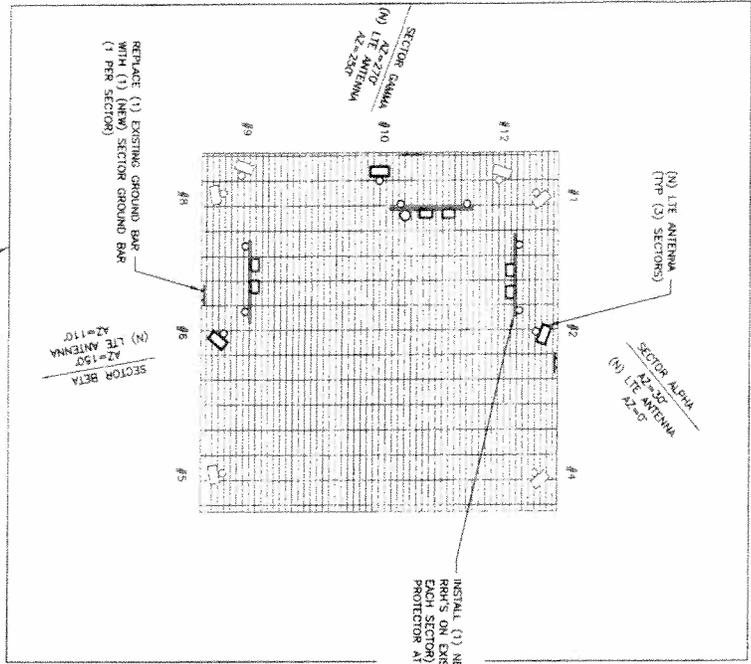
7150 STANFORD DRIVE
 HANOVER, MD 21076

NO.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY
0	10/6/16	ISSUED FOR CONSTRUCTION	SAJ	SAJ

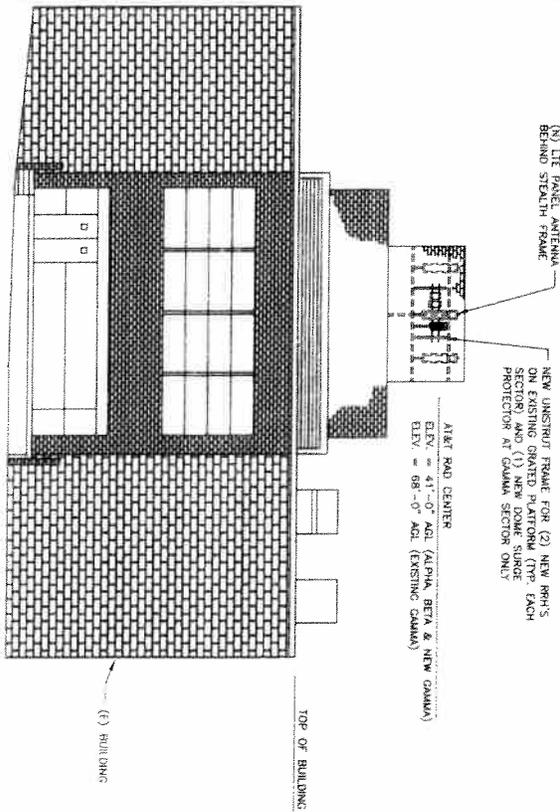


at&t
 ANTENNA PLAN AND BUILDING ELEVATION
 25471-430
 11-VA-1487-04

22 M X 30



INSTALL (1) NEW UNISTRUT FRAME (2) NEW RRH'S ON EXISTING GRATED PLATFORM (TYP. EACH SECTOR) AND (1) NEW DOME SURGE PROTECTOR AT GAMMA SECTOR ONLY



THE STRUCTURAL QUALIFICATION OF THE UNISTRUT FRAME IS PROVIDED BY BECHTEL CMC 25471-430-02-01-00003

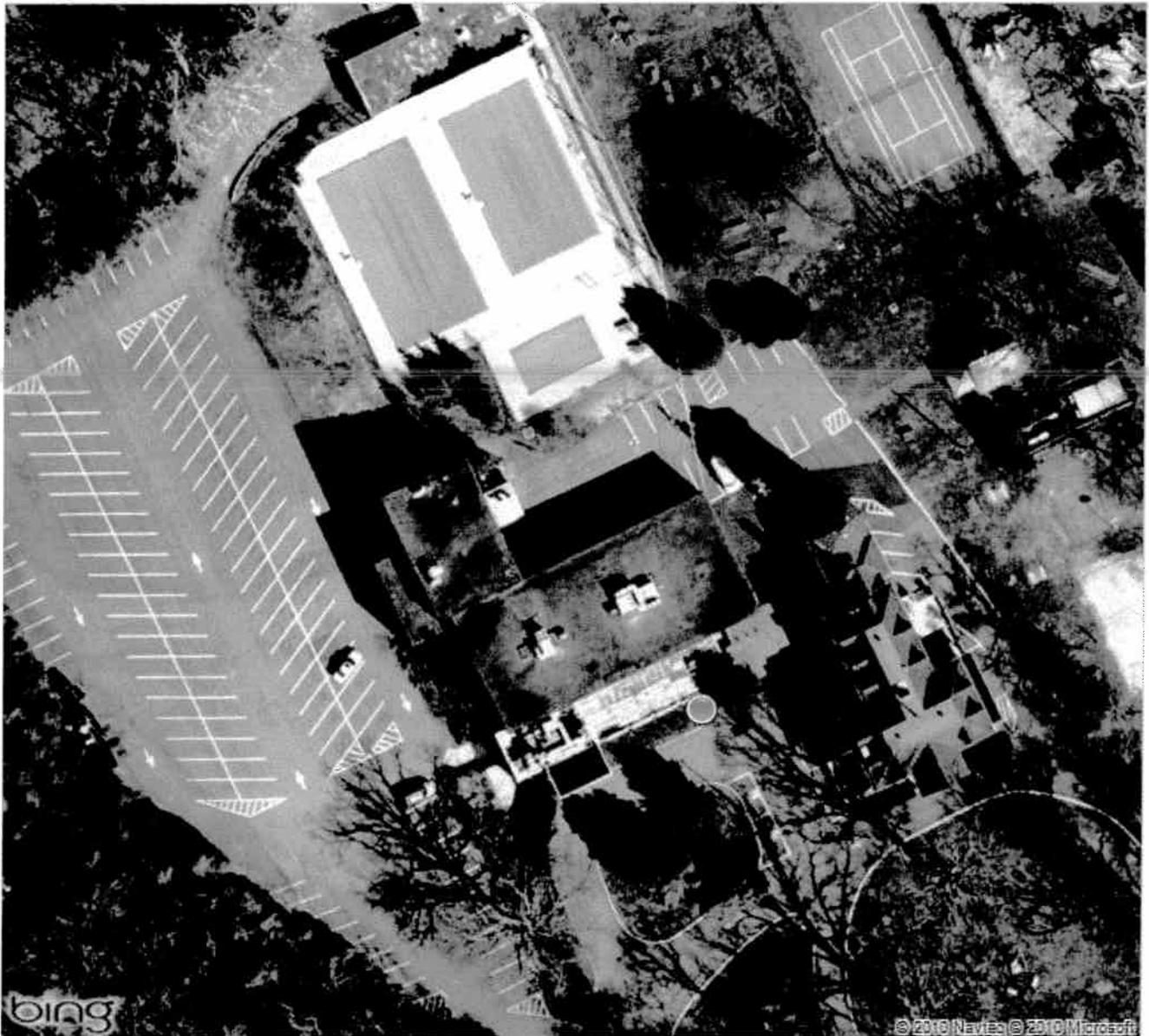
STRATFORD

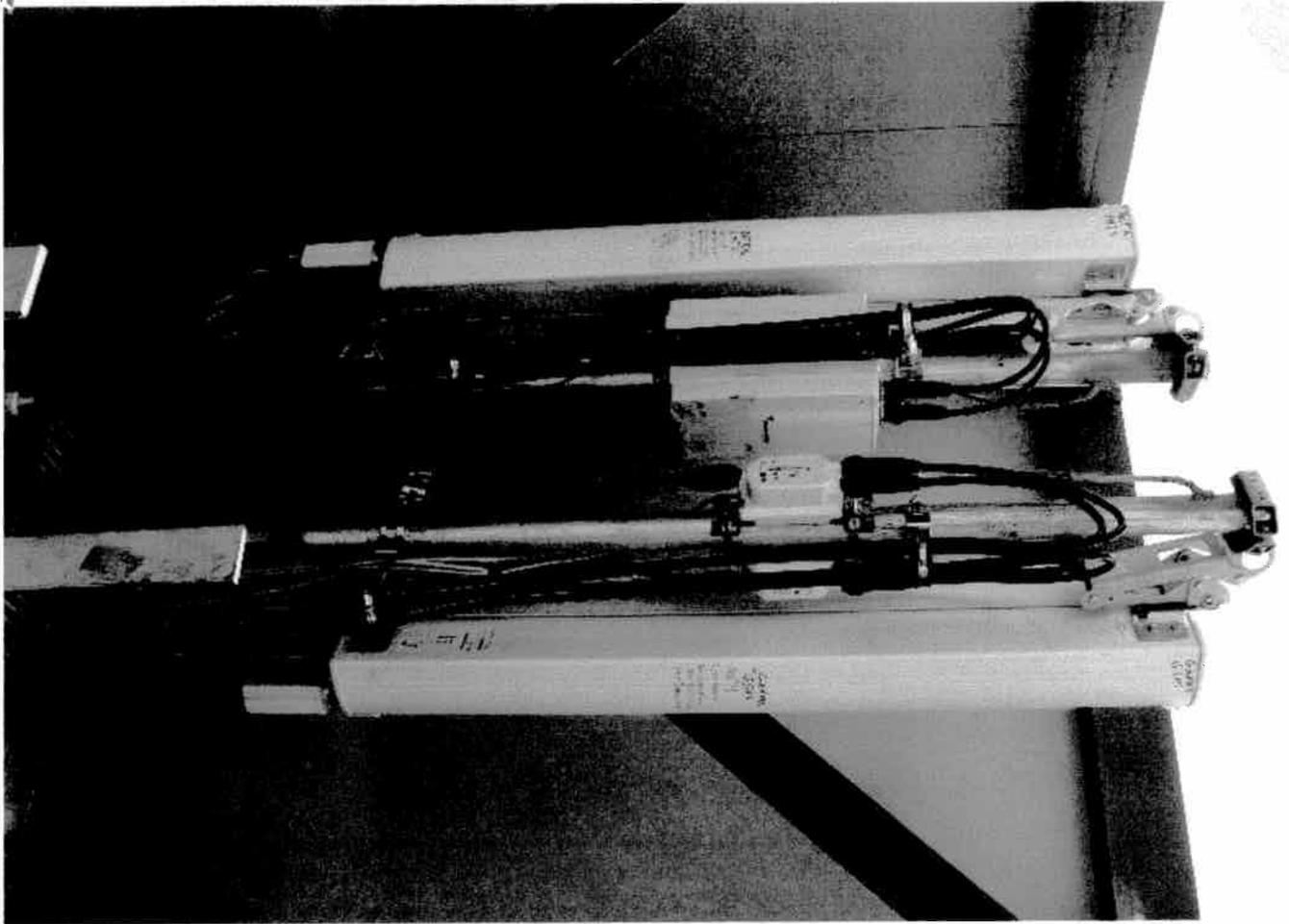
Bing Maps

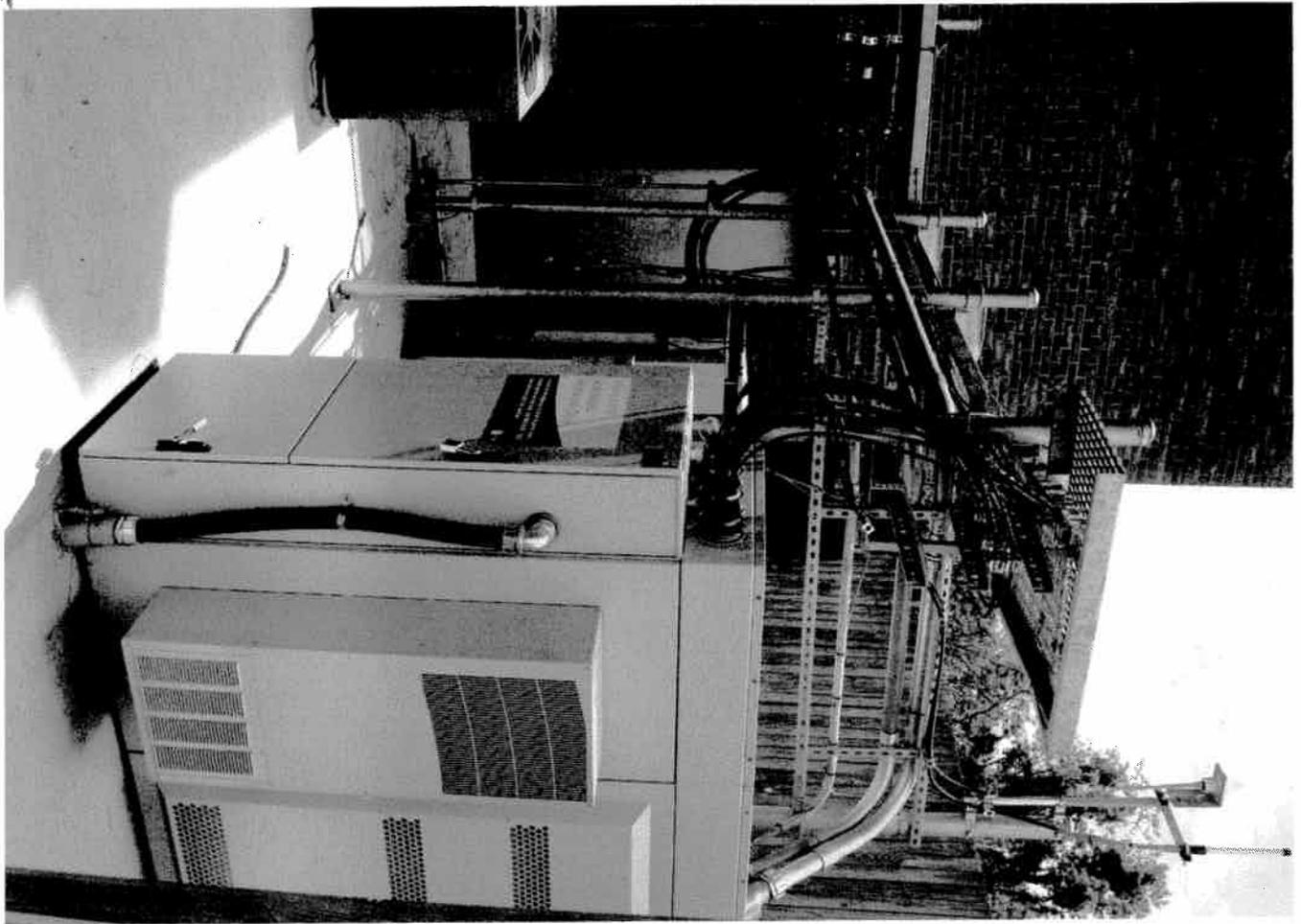
5115 Little Falls Rd, Arlington, VA 22207-1811

My Notes

FREE! Use Bing 411 to find movies, businesses & more: 800-BING-411







K. U-3291-11-1

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING NEW EQUIPMENT ON A ROOFTOP PLATFORM AND NEW ANTENNAS WITH ASSOCIATED SUPPORT EQUIPMENT ON AN EXISTING ROOFTOP.

PROJECT INFORMATION

APPLICANT ADDRESS: AT&T, 7150 STANDARD DRIVE, HANOVER, MD 21078
 JURISDICTION: ARLINGTON, VA
 PROPERTY OWNER: LORCOM HOUSE CONDOMINIUM COUNCIL OF CO-OWNERS
 CO-OWNERS
 LATITUDE: N 38.8987 (NAD 83)
 LONGITUDE: W 77.11711 (NAD 83)

RF DATA SHEET

DATE ISSUED: 4/28/2010
 VERSION: LIE_V02.1

PROJECT CONTACTS

1. A&T PROJECT MANAGER: STEVEN SARTRE (301) 488-3378
 2. SITE OWNER: LORCOM HOUSE CONDOMINIUM COUNCIL OF CO-OWNERS

DRAWING INDEX

DRAWING INDEX	REV
T1-VA-2855-01 TITLE SHEET	1
T1-VA-2855-01A SITE PLAN	0
T1-VA-2855-02 ROOFTOP PLAN AND GENERAL NOTES	0
T1-VA-2855-03 EQUIPMENT LAYOUT AND SCOPE OF WORK	0
T1-VA-2855-04 ANTENNA PLAN AND ELEVATION	0
T1-VA-2855-05 DETAILS	0
T1-VA-2855-06 DETAILS	0
T1-VA-2855-07 DETAILS	0
T1-VA-2855-08 DETAILS	0
T1-VA-2855-09 SYSTEM DIAGRAM	0
T1-VA-2855-10 WIRING LINE DIAGRAM	0
T1-VA-2855-11 RET CONTROL DIAGRAM	0
T1-VA-2855-12	0

SUPPLIER DOCUMENT REVIEW STATUS

STATUS NO.	WORK NO.	DATE	BY
1	Work may proceed.		
2	Review and rework. Work may not proceed.		
3	Review not required. Work may proceed.		
4	Review not required. Work may proceed.		

Permitted to proceed after and coordinate with approval of design details, calculations, analyses, test methods or materials developed or used by the supplier and does not require approval from A&T compliance with contractual obligations.
 BY: (Responsible Engineer) **Hudock, Joseph**
 Date: 2011.02.08 09:57:12 AM

BECHTEL COMMUNICATIONS
 5295 WESTVIEW DRIVE
 FREDERICK, MD 21703
 PHONE: (301) 228-0000

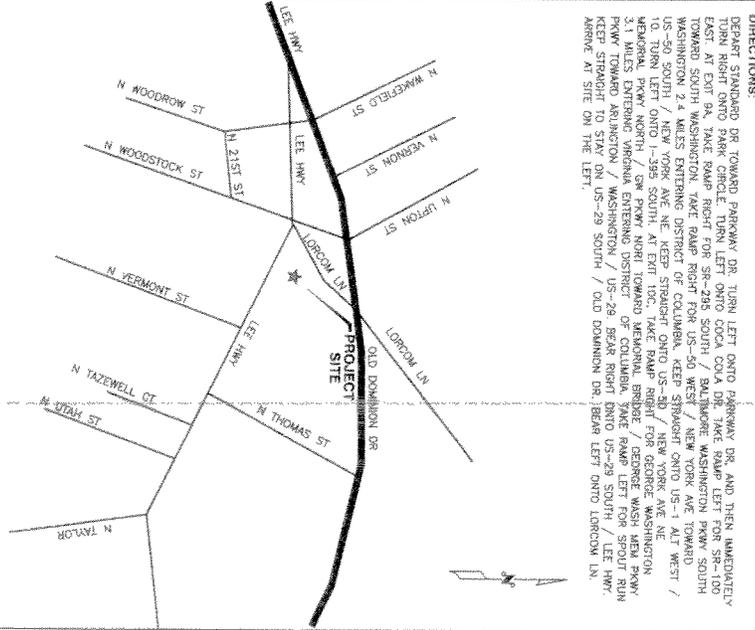
SITE NAME: TAZEWELL
 SITE ID NO.: 2855
 4401 LEE HIGHWAY
 ARLINGTON, VA 22207

at&t
 Mobility
SITE NAME: TAZEWELL
SITE ID NO.: 2855

APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND STANDARDS. THE LOCAL AUTHORITY HAVING JURISDICTION (LAW) FOR THE LOCATION, CONTRACT AWARD SHALL GOVERN THE DESIGN.
 BUILDING CODES:
 [INTERNATIONAL BUILDING CODE] IBC 2006 (VIRGINIA UNIFORM STATEWIDE BUILDING CODE)
 [NATIONAL ELECTRICAL CODE] NEC 2008 (VIRGINIA UNIFORM STATEWIDE BUILDING CODE)
 [FIRE/LIFE SAFETY CODE] IFC 2006 (VIRGINIA STATEWIDE FIRE PREVENTION CODE)
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
 AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, 9TH EDITION
 ANSII/AIA 222-46, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES
 TA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
 INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR TESTING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF GROUND SYSTEMS
 IEEE 1100 (1999), RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT
 IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION
 IEC 62 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION
 TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS
 ANSII 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.

VICINITY MAP



at&t
 Mobility
SITE NAME: TAZEWELL
SITE ID NO.: 2855

NO.	DATE	REVISIONS	ISSUED BY	CHECKED BY
1	2/8/11	REVISED AS NOTED		
0	2/24/10	ISSUED FOR CONSTRUCTION		

DATE: 2/8/11
 TIME SHEET: 25471-430
 T1-VA-2855-01

BECHTEL COMMUNICATIONS
 5295 WESTVIEW DRIVE
 FREDERICK, MD 21703
 PHONE: (301) 228-0000

SITE NAME: TAZEWELL
 SITE ID NO.: 2855
 4401 LEE HIGHWAY
 ARLINGTON, VA 22207

at&t
 Mobility
 7150 STANDARD DRIVE
 HANOVER, MD 21078

DETAIL 1001

at&t
 Mobility
SITE NAME: TAZEWELL
SITE ID NO.: 2855



BECHTEL COMMUNICATIONS
 5285 WESTVIEW DRIVE
 FREDERICK, MD 21703
 PHONE: (301) 228-8000

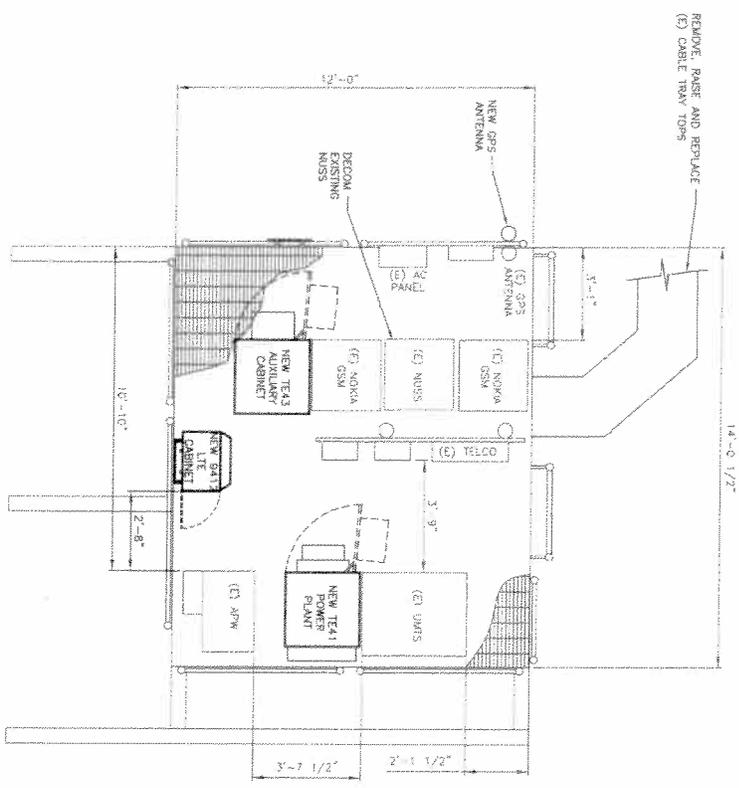
SITE NAME: TAZEWELL
SITE ID NO.: 2855
 4401 LEE HIGHWAY
 ARLINGTON, VA 22207



7150 STANDARD DRIVE
 HANOVER, MD 21076



EQUIPMENT LAYOUT
 SCALE: 1/2" = 1'-0"



SCOPE OF WORK

- 1 TAZEWELL FIBER DC RUNS ON ROOFTOP PLATFORM, 9412 ADD, NEW TE43, PP CHANGE, RFD ANT 5, ADD POLES, PAINT ANTENNAS 8/6 --- BASED ON RFD'S LITE 12.1 6/25 --- RFD ANTENNA AZ 30/140/270 LITE AZ 30/160/270--- NO ISSUE WITH CURRENT MOUNTS
- 2 INSTALL NEW POLES ON EXISTING SLED AND WALLS FOR LTE ANTENNAS
- 3 RELOCATE ANT 5 TO NEW POLE
- 4 INSTALL (3) NEW KATHREIN LTE ANTENNA (3 TOTAL) -- IN SECTOR 2 PUT LTE ON POS 5 POLE. PAINT TO MATCH AS REQUIRED
- 5 DECOM EXISTING 5M RET CABLE BETWEEN EACH ANTENNA PER SECTOR (3 TOTAL)
- 6 INSTALL (1) NEW 5M RET CABLE FROM (E) ANTENNA TO NEW LTE ANTENNA (3 TOTAL)
- 7 INSTALL (1) NEW 1M RET CABLE FROM NEW LTE ANTENNA TO (E) ANTENNA (3 TOTAL)
- 8 REPLACE (1) (E) GROUND BAR WITH (N) AT SECTOR MOUNT (3 TOTAL)
- 9 PREP FOR (2) RFD'S PER SECTOR ON NEW UNISTRUT FRAME -- IE. GROUNDING (6 TOTAL)
- 10 INSTALL (4) FEMALE DC STOPS ON RFD END OF JUMPEYS (12 TOTAL)
- 11 REMOVE, RAISE AND REPLACE CABLE TRAY TOPS -- 380 LF
- 12 INSTALL (3) DC2 UNITS
- 13 INSTALL (3) RUNS OF 2" INNERDUCT FROM PLATFORM TO DC2 UNITS (130 LF, 150 LF, 170 LF -- 450 TOTAL LF -- 40M/50M/60M)
- 14 INSTALL (2) MULE TAPES IN EACH INNER DUCT TO SECTOR FRAME (900LF)
- 15 ZIP THE FIBER FROM RAYCAP UNIT TO RFD ON 1" FLEX CONDUIT
- 16 DECOM EXISTING NISSS
- 17 PREP FOR 2 EXISTING OSM CABINETS
- 18 INSTALL NEW TE41 POWER PLANT
- 19 PREP FOR 2 EXISTING OSM CABINETS
- 20 INSTALL TE43 ON PAD (1 -- 30A AC CIRCUIT, 2 -- 15 A AC CIRCUIT)
- 21 INSTALL (1) 2" CONDUIT FROM FLEX BAY TO POWER CABINET FOR 1/0 AMG CABLING (10LF)
- 22 INSTALL (2) 3 PORT HATCH PLATE IN TE43
- 23 INSTALL (1) NEW --48V DC CONVERTER W/ (3) 2KW CONVERTER MODULES
- 24 INSTALL (6) NEW 15A BREAKERS FOR SECTORS / RFD'S
- 25 INSTALL (1) NEW FIBER TRAY LITE FRAME
- 26 INSTALL (1) NEW RAYCAP DC6 UNIT IN LITE TE43 CABINET
- 27 INSTALL (1) 50 A BREAKERS FOR 941232 NOTE --- UTILIZE TE43 AS JUNCTION TO FOR ALL POWER / DC / FIBER TO FROM 9412 TO SECTORS
- 28 PREP (1) NEW LUGNET 9412 CABINET
- 29 INSTALL (1) 1" FLEX CONDUIT FROM LITE TE43 TO 9412 LOCATION -- TELCO (30 LF)
- 30 INSTALL (1) 2" FLEX WITH 1/2" REDUCER FROM 9412 TO LITE TE43 -- RF FIBER (30 LF)
- 31 INSTALL (1) 1" FLEX CONDUIT FROM 9412 TO LITE TE43 -- ALARMS (30 LF)
- 32 INSTALL (1) GPS ANTENNA MOUNT NEXT TO (E) GPS ANTENNA W/ BOOT
- 33 INSTALL (1) 66 BLOCK ON ALARM BACKBOARD FOR LITE
- 34 SET ANTENNA FOUNDATIONS FOR OSM / GSM / LTE PER RFD'S
- 35 INSTALL WEATHERPROOFING AS REQUIRED
- 36 COMPLETE P5AP CALL TESTING
- 37 COMPLETE MPE STUDY
- 38 COMPLETE STRUCTURALS FOR MOUNTS, WALLS SLED AND PLATFORM.

NO.	DATE	BY	DESCRIPTION
0	9/24/10	ESSED	FIN CONSTRUCTION
1	10/14/10	REVISIONS	
2	10/20/10	REVISIONS	
3	11/10/10	REVISIONS	
4	11/10/10	REVISIONS	
5	11/10/10	REVISIONS	
6	11/10/10	REVISIONS	
7	11/10/10	REVISIONS	
8	11/10/10	REVISIONS	
9	11/10/10	REVISIONS	
10	11/10/10	REVISIONS	



at&t

EQUIPMENT LAYOUT AND SCOPE OF WORK

28471-430

11-VA-2855-03

7/13/10

BECHTEL
BECHTEL COMMUNICATIONS
 5205 WESTVIEW DRIVE
 FREDERICK, MD. 21703
 PHONE: (301) 228-0000

SITE NAME: TAZEWELL
SITE ID NO.: 2855
 4401 LEE HIGHWAY
 ARLINGTON, VA 22207

at&t
 Mobility
 7150 STANDARD DRIVE
 HANOVER, MD 21076

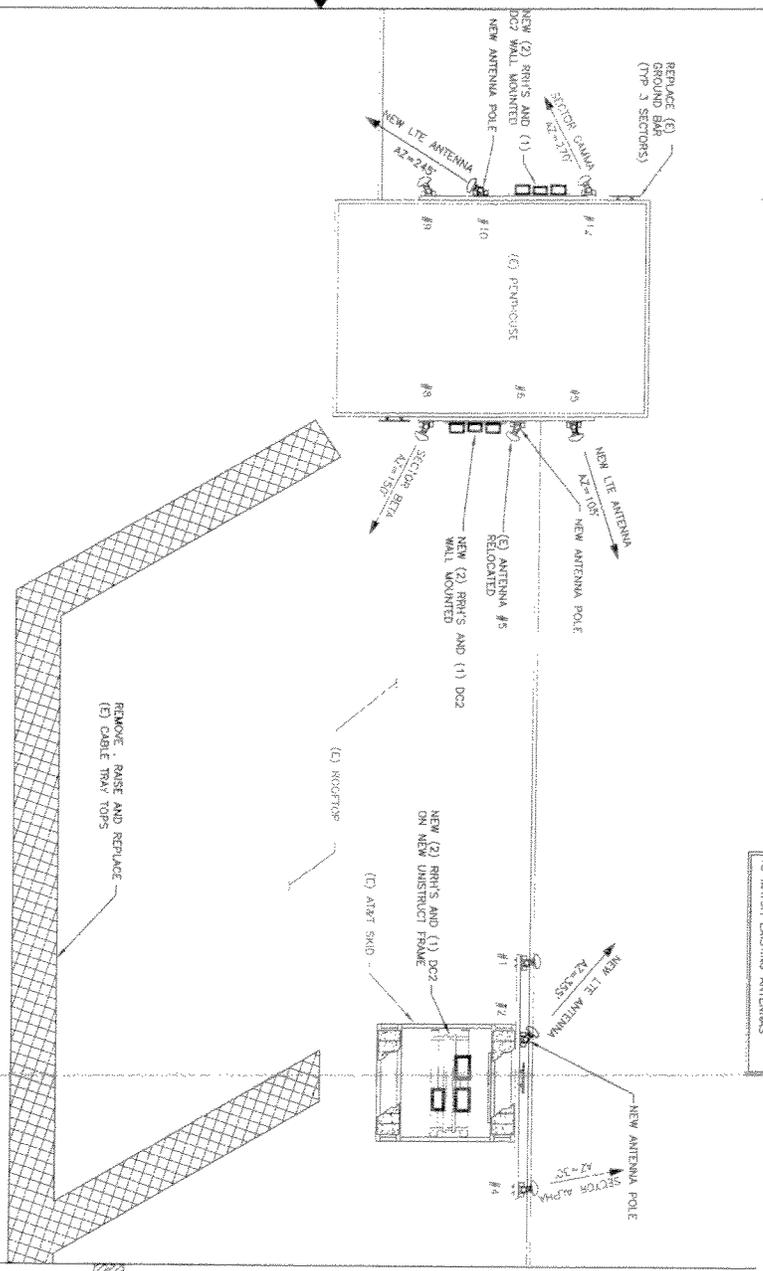
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0	8/29/10	ISSUED FOR CONSTRUCTION			

SCALE	AS SHOWN
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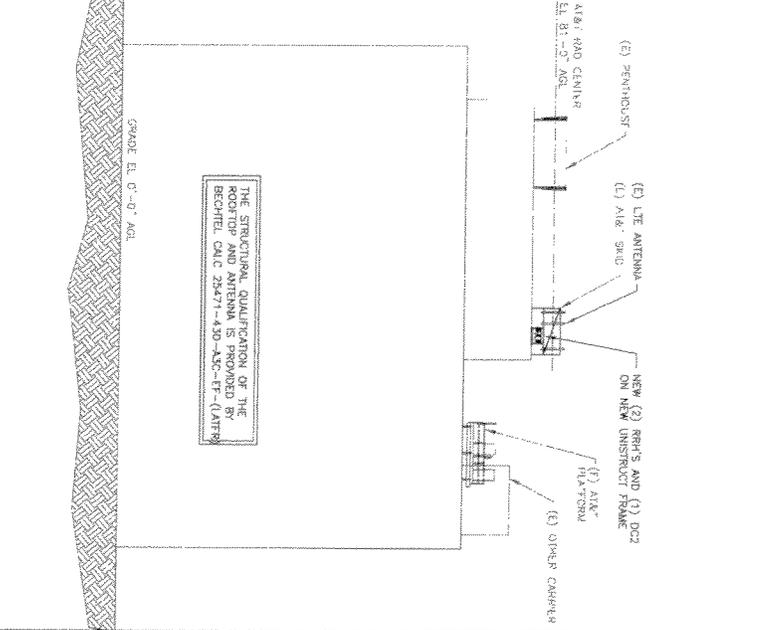


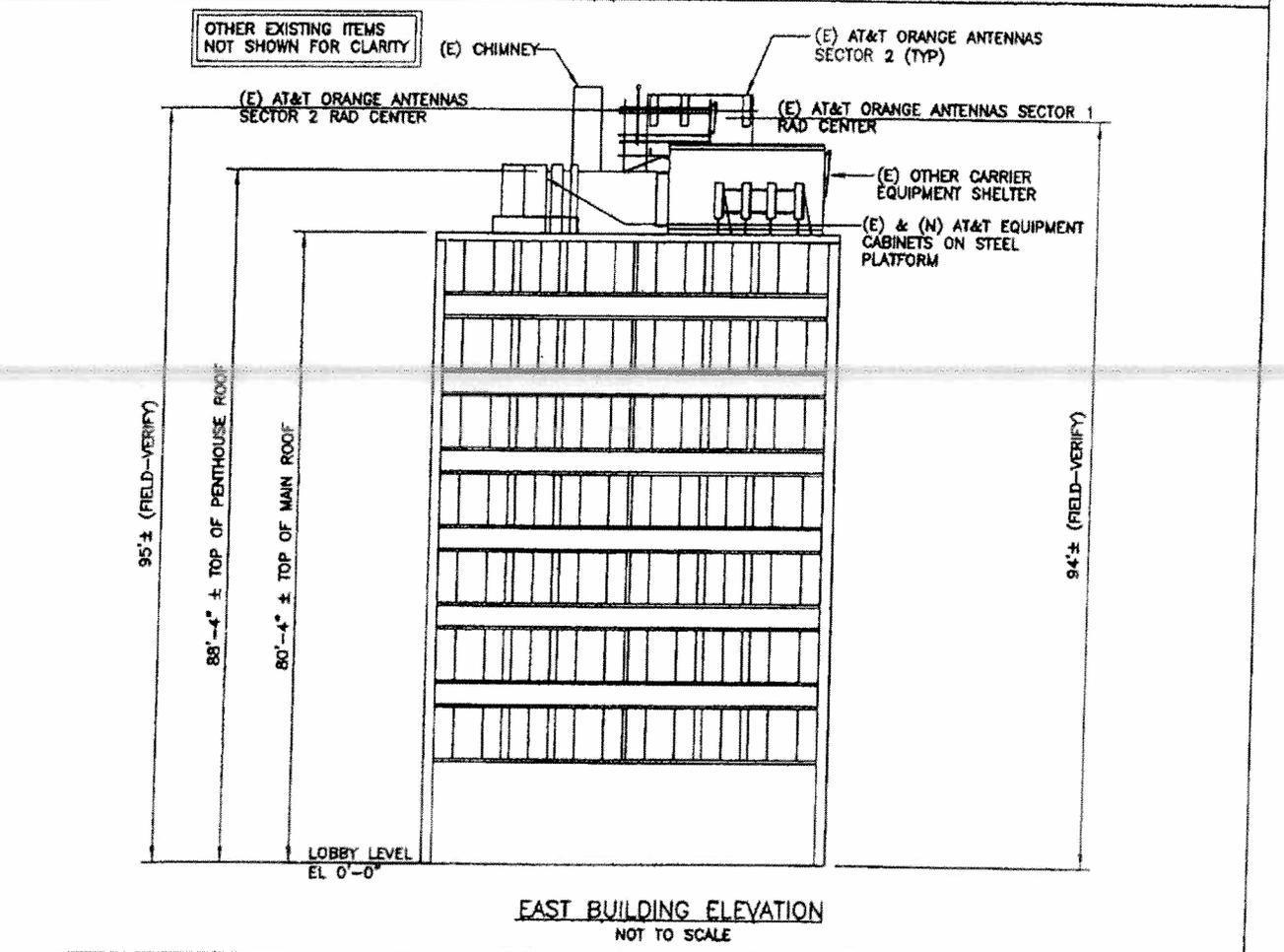
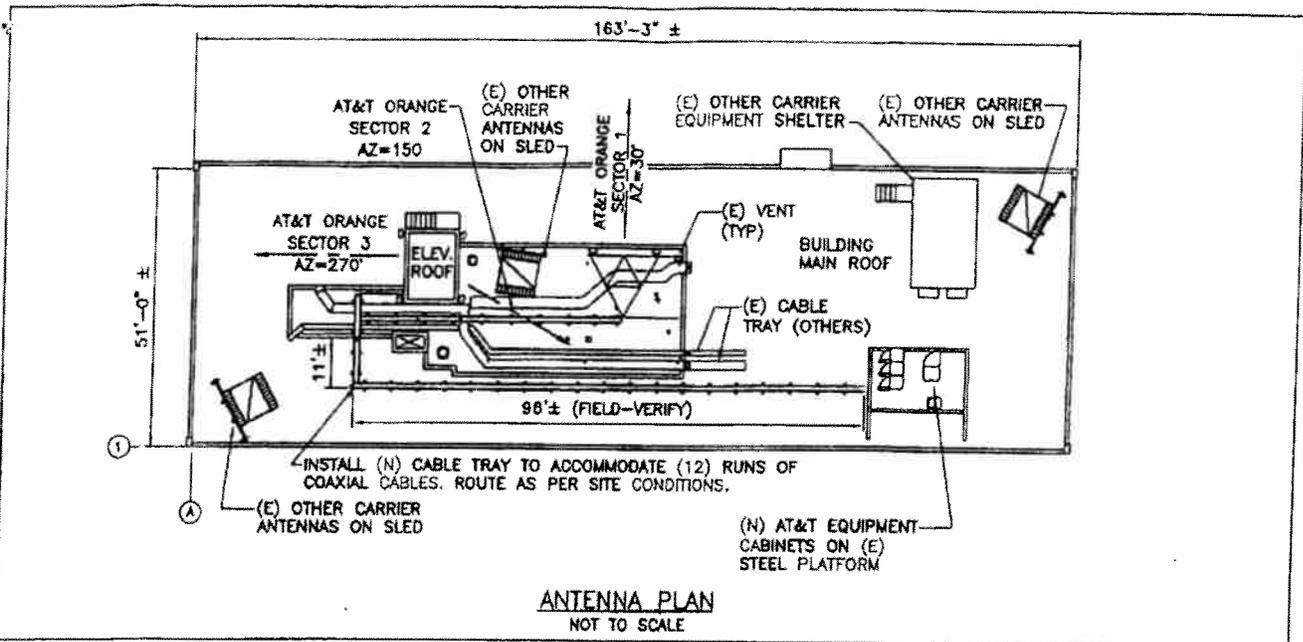
at&t
 ANTENNA PLAN AND ELEVATION
 DRAWING NUMBER: 11-10-2855-04
 SHEET: 0 OF 0
 DATE: 2/13/11

ANTENNA PLAN
 SCALE: NTS



ELEVATION VIEW
 SCALE: NTS






BECHTEL COMMUNICATIONS
 5275 WESTVIEW DRIVE
 FREDERICK, MD 21703
 PHONE: (301)-228-6000
 FAX: (301)-228-8086

 **at&t**
 Mobility
 7150 STANDARD DRIVE
 HANOVER, MD 21076

DRAWING TITLE: COMPOUND LAYOUT
 PROJECT INFORMATION:
LORCOM HOUSE
 4401 LEE HIGHWAY
 ARLINGTON, VA 22207
 PROPERTY OWNER:
 LORCOM HOUSE CONDOMINIUMS
 COUNCIL OF OWNERS

DRAWING NO.
VA-1342-LE

REVISION NO. 1	DRAWN BY: JZW
DATE ISSUED: 03/02/10	CHECKED BY: ENG
SCALE: N/A	APPROVED BY: ENG
	SHEET NO. 2 OF 2

BECHTEL PROJECT NO: 24762

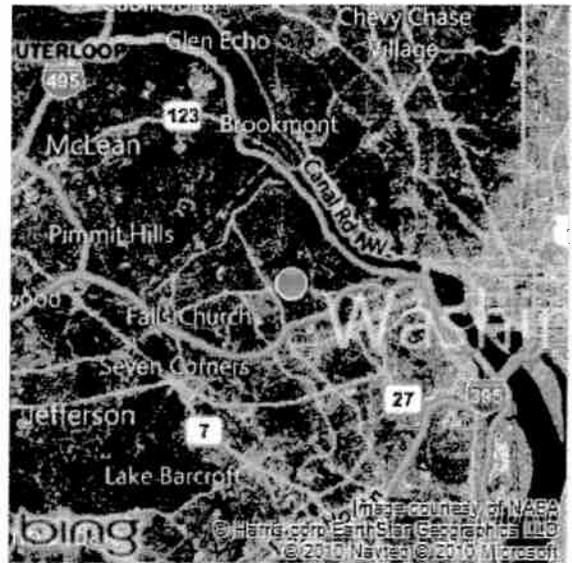
Tazewell

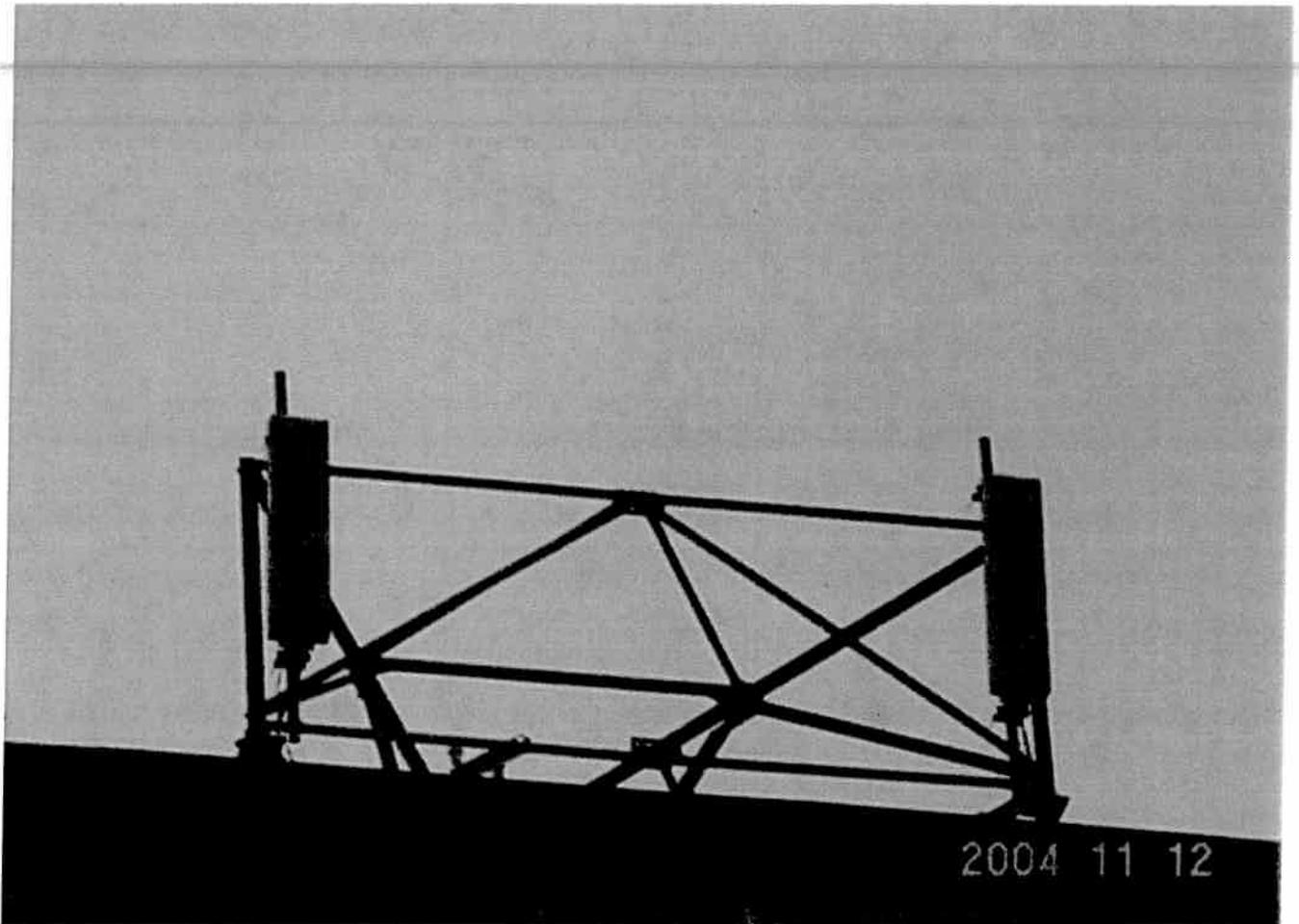
Bing Maps

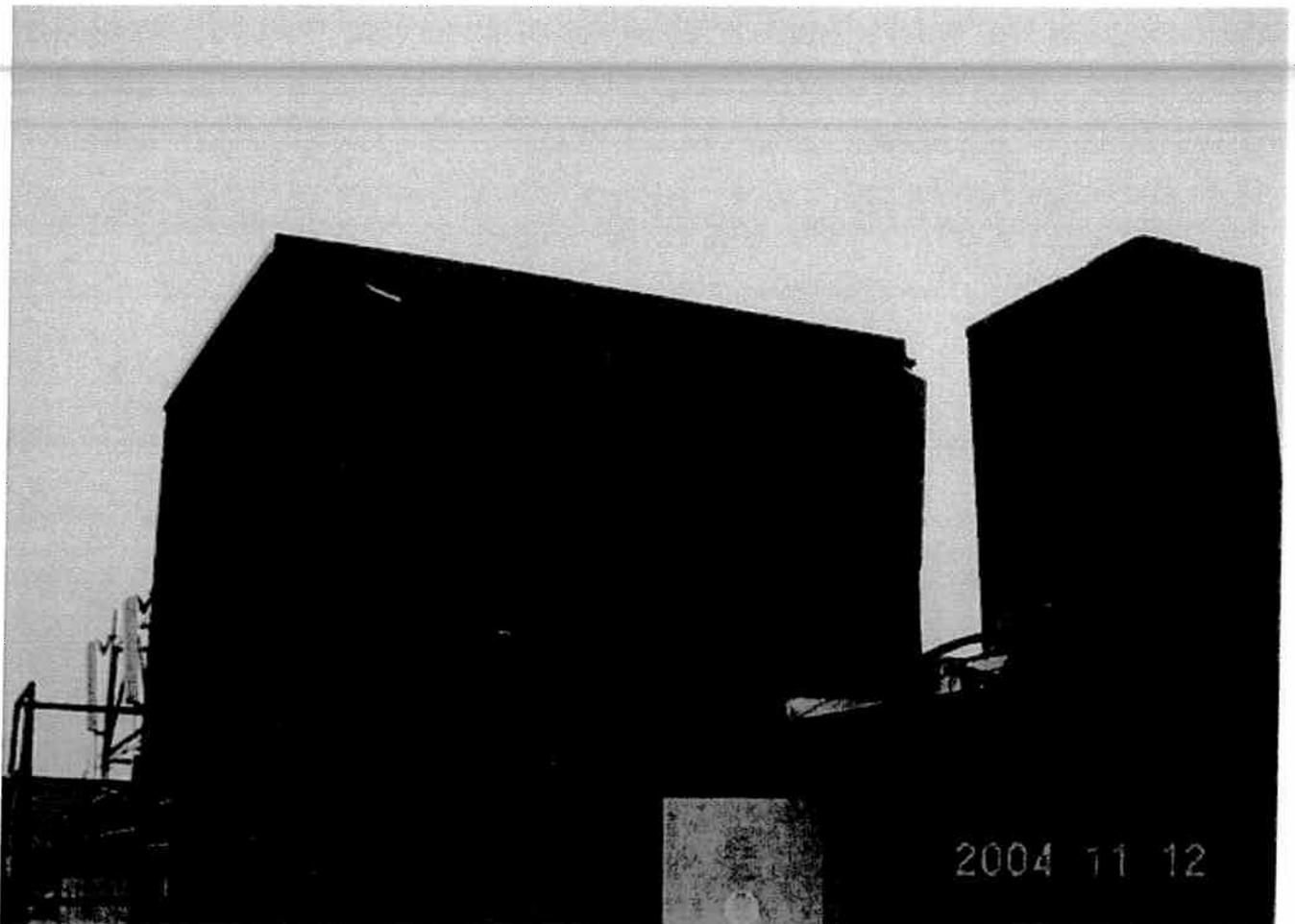
4401 Lee Hwy, Arlington, VA 22207-3336

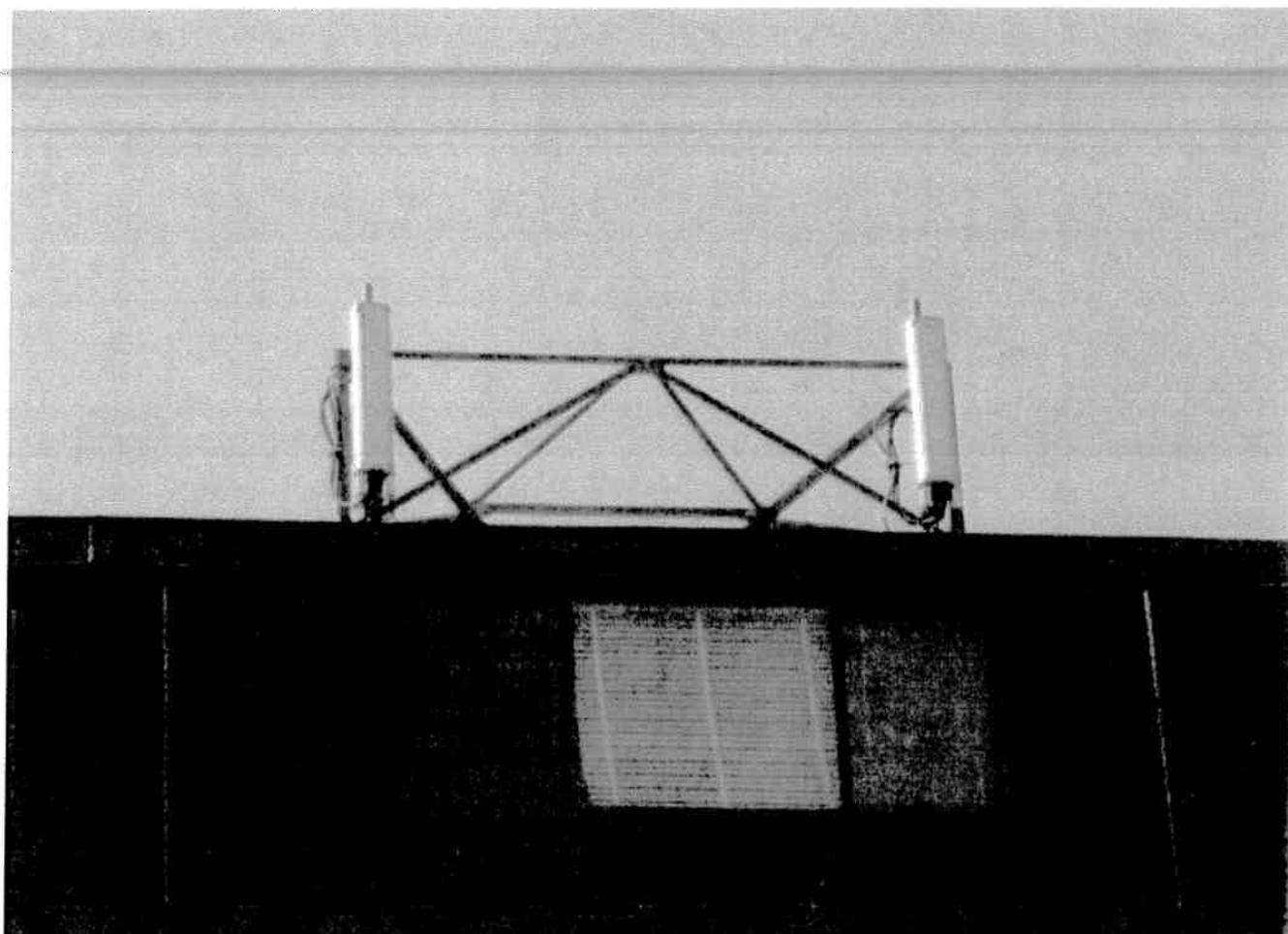
My Notes

FREE! Use Bing 411 to find movies, businesses & more: 800-BING-411









L. U-3292-11-1

SCALE OF WORK PROVIDED BY BECHTEL, "L.E. TANGLWOOD_FEED.DWG-5-20-10E"

1. RELO. CABLES ANT 1 TO POS 2, ANT 9 TO POS 6, AND ANT 9 TO POS 10
2. INSTALL (1) NEW 5M RET CABLE FROM (E) ANTENNA TO NEW LIE ANTENNA (3 TOTAL)
3. DECOM EXISTING 5M RET CABLE BETWEEN EACH ANTENNA PER SECTION
4. INSTALL (1) NEW 5M RET CABLE FROM (E) ANTENNA TO NEW LIE ANTENNA (3 TOTAL)
5. INSTALL (1) NEW 5M RET CABLE FROM NEW LIE ANTENNA TO (E) ANTENNA (3 TOTAL)
6. INSTALL (1) NEW 10M RET CABLE ON LIE ANTENNA BETWEEN MOTORS (3 TOTAL)
7. INSTALL (1) NEW 10M RET CABLE ON LIE ANTENNA BETWEEN MOTORS (3 TOTAL)
8. PWR FOR (2) RRH'S PER SECTION ON NEW UNISTRUT FRAME RRH (12 TOTAL)
9. INSTALL (4) JUMPER FROM RRH TO ANTENNA PER SECTION (12 TOTAL)
10. INSTALL (1) RAYCAP DC2 UNIT AT EACH SECTION FRAME ON NEW UNISTRUT (3 TOTAL)
11. ZIP THE FIBER FROM RAYCAP UNIT TO RRH ON DC CABLE (60 LF)
12. REMOVE AND REINSTALL EXISTING CABLE TRAY COVERS (245 LF)
13. INSTALL NEW UNDERGROUND 6" x 8" SCH. 40 PVC CONDUIT FROM EQUIPMENT CABINETS TO BUILDING ALONG SIDE OF EXISTING UNDERGROUND CONDUITS
14. INSTALL (6) DC CIRCUITS FROM DC2 TO RAYCAP (SCH.40M,30M) -- 787 LF
15. INSTALL (1) NEW RAYCAP FC12 (SCH.40M,30M) -- 787 LF
16. INSTALL (1) NEW RAYCAP FC12 (SCH.40M,30M) -- 787 LF
17. INSTALL (1) NEW RAYCAP FC12 (SCH.40M,30M) -- 787 LF
18. INSTALL (1) NEW RAYCAP FC12 ON NEW TRUSS MOUNT
19. INSTALL (1) NEW 12" RAYCAP FC12 ON NEW TRUSS MOUNT
20. INSTALL (2) NEW 6" DC CABLES FROM RAYCAP FC12 TO FLEX (300LF)
21. REMOVE AND REINSTALL (TRUCK) OF VERTICAL CABLE TRAY
22. REMOVE AND REINSTALL (TRUCK) OF VERTICAL CABLE TRAY
23. INSTALL (1) NEW FRAME IN FLEX BAY
24. INSTALL (1) NEW RAYCAP DOG UNIT IN FLEX BAY
25. INSTALL (2) NEW 3" RAYCAP HATCH PLATE IN FLEX BAY
26. INSTALL (1) NEW 250A BREAKERS FOR CONVERTER MODULE -- 666-
27. INSTALL (1) NEW 250A BREAKERS FOR CONVERTER MODULE -- 666-
28. INSTALL (1) NEW 15A BREAKERS FOR SECTION -- 2888-
29. INSTALL (1) NEW FIBER TRAY IN EXISTING FLEX BAY
30. PWR FOR NEW LUCCENT 942 CHANTEL
31. INSTALL (1) FLEX CONDUIT FROM LIE FLEX BAY TO 9412 LOCATION -- TELCO -- (20LF)
32. INSTALL (1) FLEX CONDUIT FROM LIE FLEX BAY TO 9412 LOCATION -- TELCO -- (20LF)
33. INSTALL (1) FLEX WITH 1 1/2" RODUCER FROM 9412 LIE FLEX BAY FOR FIBER (10 LF)
34. INSTALL (1) FLEX CONDUIT FROM LIE FLEX TO 9412 LOCATION -- POWER -- (20LF)
35. NOTE: ALL POWER AND FIBER WILL JUNCTION IN FLEX BAY TO MU 9412
36. INSTALL (1) 66 SECTION ON ALUMINUM BACKBOARD FOR LIE
37. INSTALL (1) 66 SECTION ON ALUMINUM BACKBOARD FOR LIE
38. INSTALL (1) 66 ANTENNA MOUNT NEXT TO (E) 66 ANTENNA
39. INSTALL (1) 66 ANTENNA MOUNT NEXT TO (E) 66 ANTENNA
40. SET ANTENNA DOWNLAYS FOR UVS / GSM / LTE PER BRDS
41. COMPLETE RFP CALL TESTING
42. ADD ADDITIONAL BALLAST AS REQUIRED PER STRUCTURAL
43. MPE STUDY
44. REPLACE EXISTING C&D POWER PLANT WITH A NEW M1 SHAD INSTAL AND PROVISIONING
1. INSTALLATION OF (2) FIBER JUMPERS 10 METERS

THESE PLANS HAVE BEEN DEVELOPED FOR THE FACILITY OWNED OR LEASED BY AT&T MOBILITY, U.S. IN ACCORDANCE WITH THIS SCOPE OF WORK. BECHTEL COMMUNICATIONS HAS REVIEWED THESE PLANS AND HAS CHECKED ELEMENTS OF THE SITE AFFECTED BY THAT SCOPE OF WORK. BECHTEL COMMUNICATIONS HAS NO RESPONSIBILITY FOR ANY ELEMENTS OF THIS SITE NOT AFFECTED BY THE SCOPE OF WORK.

- LEGEND**
- LIGHT LINEWEIGHT INDICATES EXISTING FACILITIES
 - HEAVY LINEWEIGHT INDICATES PROPOSED FACILITIES
 - SUBJECT PROPERTY LINE
 - ADJACENT PROPERTY LINE



SITE NAME: TANGLWOOD
SITE ID NUMBER: 2890
4241 COLUMBIA PIKE
ARLINGTON, VA 22204



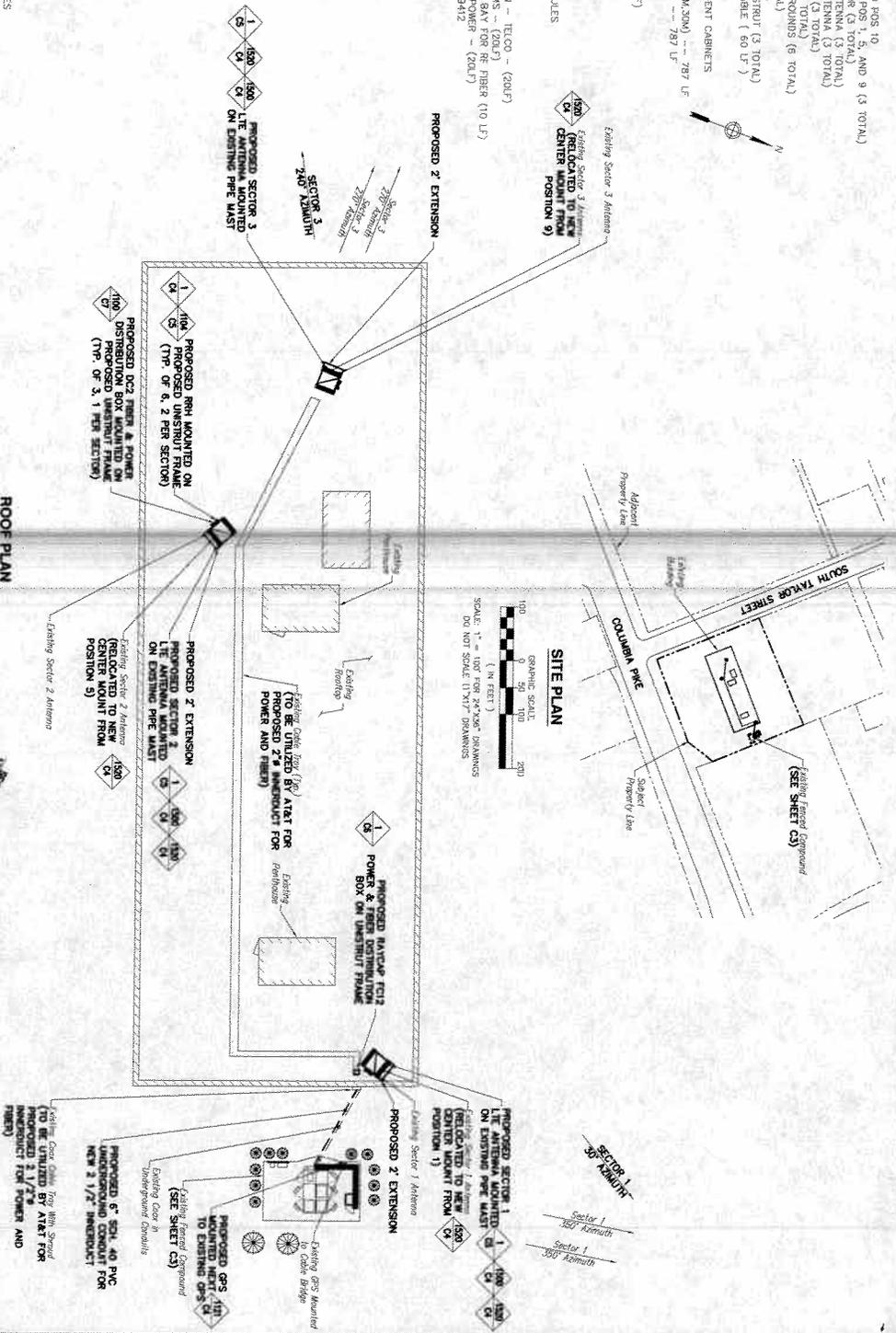
NO.	DATE	ISSUED FOR	BY	REVISIONS
1	05/26/10	ISSUED PER M&E COMMENTS	EA	
2	01/26/10	ISSUED PER M&E COMMENTS	EA	

SCALE: AS SHOWN

DESIGNED BY: ENY
DRAWN: STJ/SJY
CHECKED: MLO/STJ

AT&T
SITE PLAN, ROOF PLAN AND SCALE OF WORK

253471 - 630





BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046



Dewberry
Dewberry-Goodfield Inc.
201 W. Main Street
Arlington, VA 22204
TEL # 56078687



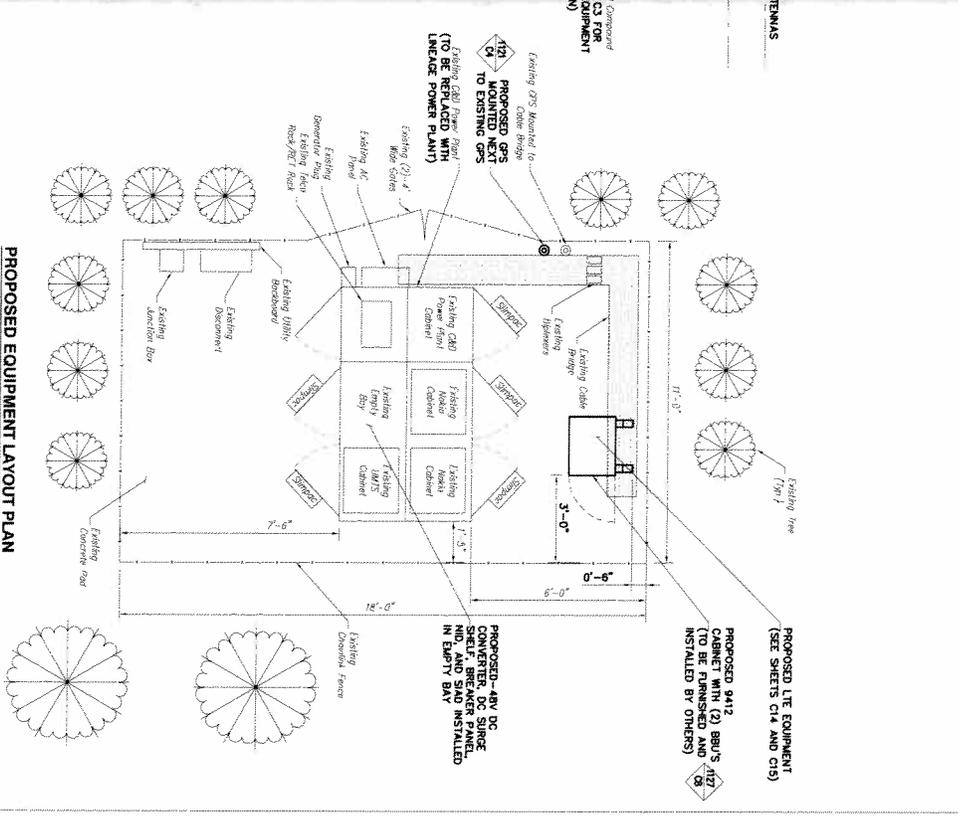
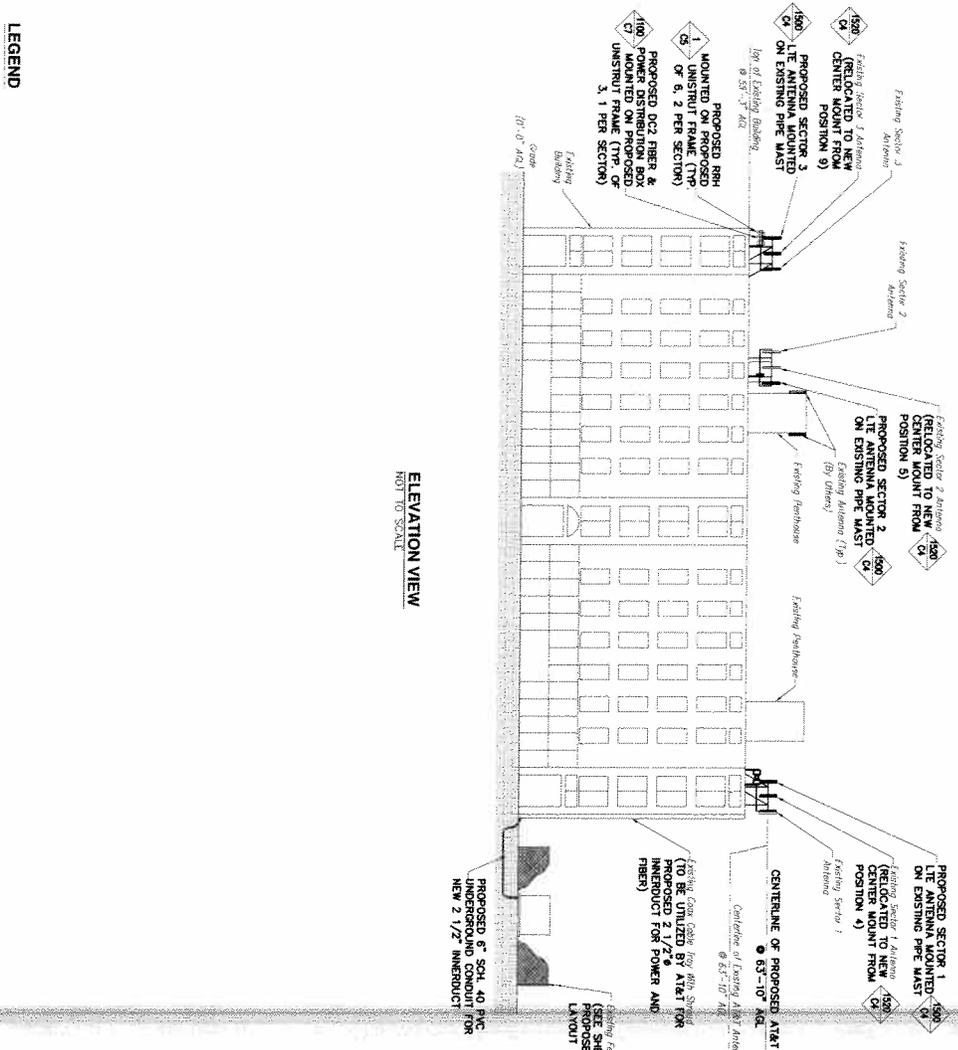
at&t
7150 STANDARD DRIVE
HANOVER, MD 21076

AT&T LITE PROJECT

AT&T

AT&T

LEGEND
HEAVY LINE/WEIGHT INDICATES EXISTING FACILITIES
LIGHT LINE/WEIGHT INDICATES PROPOSED FACILITIES



NOTE: THE EXISTING FLEX CABINETS SHALL BE USED AS A JUNCTION BOX FOR ROUTING POWER CABLES AND FIBER THROUGH THE ROOMS.

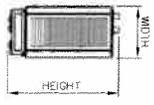
NO.	DATE	DESCRIPTION	BY	CHKD BY
1	10/26/11	ISSUED FOR CONSTRUCTION	EA	EA
2	11/26/10	ISSUED FOR CONSTRUCTION	EA	EA
3	11/26/10	ISSUED FOR CONSTRUCTION	EA	EA

SCALE: AS SHOWN

DESIGNED BY: EON

DRAWN BY: DTV

VA LICENSE NO: 092720



SIZE AND WEIGHT TABLE

RRH	WIDTH	DEPTH	HEIGHT W/O CABLE MANAGEMENT COVER	W/O BRACKET	WEIGHT
RRH 700 MHz 2X40 (ROW)	12.2"	10.8"	21"	51 LBS.	43 LBS.
RRH AMS 2X40 (ROW)	12"	9"	25"	(W/O SOLAR SHIELD)	

NOTE: DIMENSIONS INCLUDE MOUNTING BRACKET, SOLAR SHIELD AND CONNECTORS.

MINIMUM CLEARANCE TABLE

RRH CABINET	CLEARANCES (INCHES)	COMMENTS
FRONT	36"	INSTALLATION ACCESS
REAR	2"	ZERO REAR CLEARANCE IS ALLOWED USING SUPPLIED MOUNTING BRACKETS
RIGHT	4"	AIR FLOW
LEFT	4"	AIR FLOW
TOP	12"	AIR FLOW
BOTTOM	12"	CONDUIT ROUTING

ALCATEL-LUCENT 9442
REMOTE RADIO HEAD (RRH)

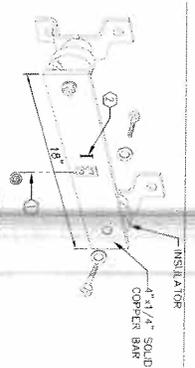
DETAIL 1104
NOT TO SCALE

EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

CONNECTION FOR ALL COMMUNICATIONS EQUIPMENT FRAMES TO MASTER GROUND BAR (2 AWG)

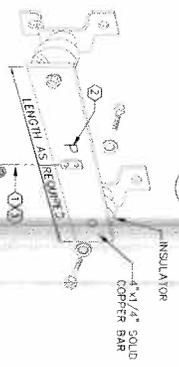
DETAIL NOTES: O

1. TWO-HOLE LONG BARREL COMPRESSION LUG WITH 1/2" HANE STRANDED COPPER CONDUCTOR AND GREEN HW INSULATION TO GROUND BAR. ROUTE CONDUCTOR TO MASTER GROUND BAR AND CONNECT WITH TWO-HOLE LUG TO "T" SECTION LETTERS.
2. USE PERMANENT MARKER TO LABEL THE WHOLE BAR AS "T" WITH "1" HIGH LETTERS.



(ISE) ISOLATED GROUND BAR

DETAIL 1120
NOT TO SCALE



EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

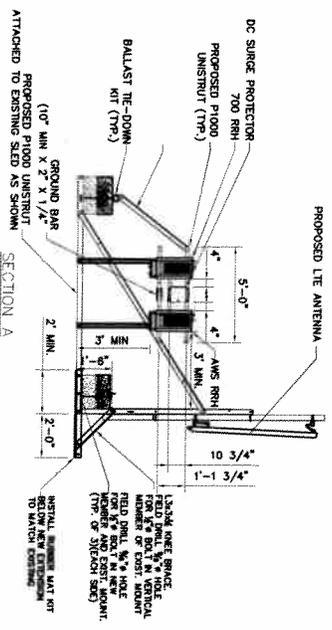
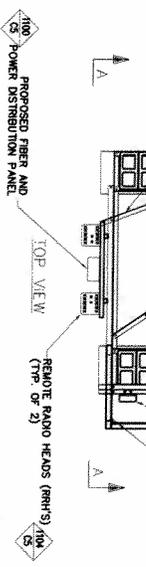
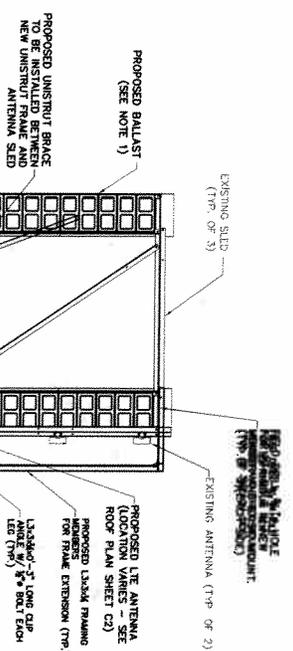
CONNECTION FOR ALL COMMUNICATIONS EQUIPMENT FRAMES TO MASTER GROUND BAR (2 AWG)

DETAIL NOTES: O

1. TWO-HOLE LONG BARREL COMPRESSION LUG WITH 1/2" HANE STRANDED COPPER CONDUCTOR AND GREEN HW INSULATION TO GROUND BAR. ROUTE CONDUCTOR TO MASTER GROUND BAR AND CONNECT WITH TWO-HOLE LUG TO "T" SECTION LETTERS.
2. USE PERMANENT MARKER TO LABEL THE WHOLE BAR AS "T" WITH "1" HIGH LETTERS.
3. FOR GROUND BAR LOCATED OUTDOORS, ON-GRADE ONLY, EXOTHERMICALLY WELD A 2 AWG BARE TINNED COPPER CONDUCTOR TO GROUND BAR AND EXOTHERMICALLY WELD TO BURRED GROUND CONDUCTOR.

SUPPLEMENTAL/SECTOR GROUND BAR

DETAIL 1124
NOT TO SCALE



SECTION A

1. REFERENCE STRUCTURAL LETTER FOR DATA BALLAST WEIGHT REQUIRED.
2. VERIFY WEIGHT OF EXISTING BALLAST IN FIELD AND ADDITIONAL BALLAST TO EQUAL AMOUNT INDICATED IN STRUCTURAL LETTER. (TYPICAL 88816 HOLLOW EXH-3218S, SEMI-SOLID-4548S, SOLID-4648S)
3. ADDITIONAL BALLAST SHALL BE INSTALLED TO PREVENT REBOUND.
4. ADDITIONAL BALLAST SHALL BE INSTALLED TO PREVENT REBOUND.
5. APPURTENANCES TO BE INSTALLED TO ANY ADDITIONAL ANTENNAS OR ANTENNA ENHANCEMENTS.
6. CONTRACTOR TO INSTALL PROPOSED FIBER/POWER DISTRIBUTION PANEL AND RFR'S PER INSTALLATION INSTRUCTIONS.

ANTENNA/RRH MOUNTING



BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046



Dewberry
Dewberry-Group, Inc.
10000 WOODBRIDGE DRIVE
FARMERS BRANCH, TX 75448

SITE NAME: TANGLEWOOD
SITE ID NUMBER: 2850
4241 COLUMBIA PIKE
ARLINGTON, VA 22204



7150 STANDARD DRIVE
HANOVER, MD 21076

NO.	DATE	DESCRIPTION	BY	CHK	APP
1	03/06/17	ISSUE FOR PERMIT COMMENTS	SA	CEJ	
2	03/06/17	ISSUE FOR CONSTRUCTION	SA	CEJ	
3	03/06/17	ISSUE FOR CONSTRUCTION	SA	CEJ	

SCALE: AS SHOWN
DESIGNED BY: CEJ
DRAWN BY: CEJ
IN CHARGE: WJ 082720



AT&T
LTE PROJECT
RRH MOUNTING DETAILS
254771-4301
CS

TANGLEWOOD

Bing Maps

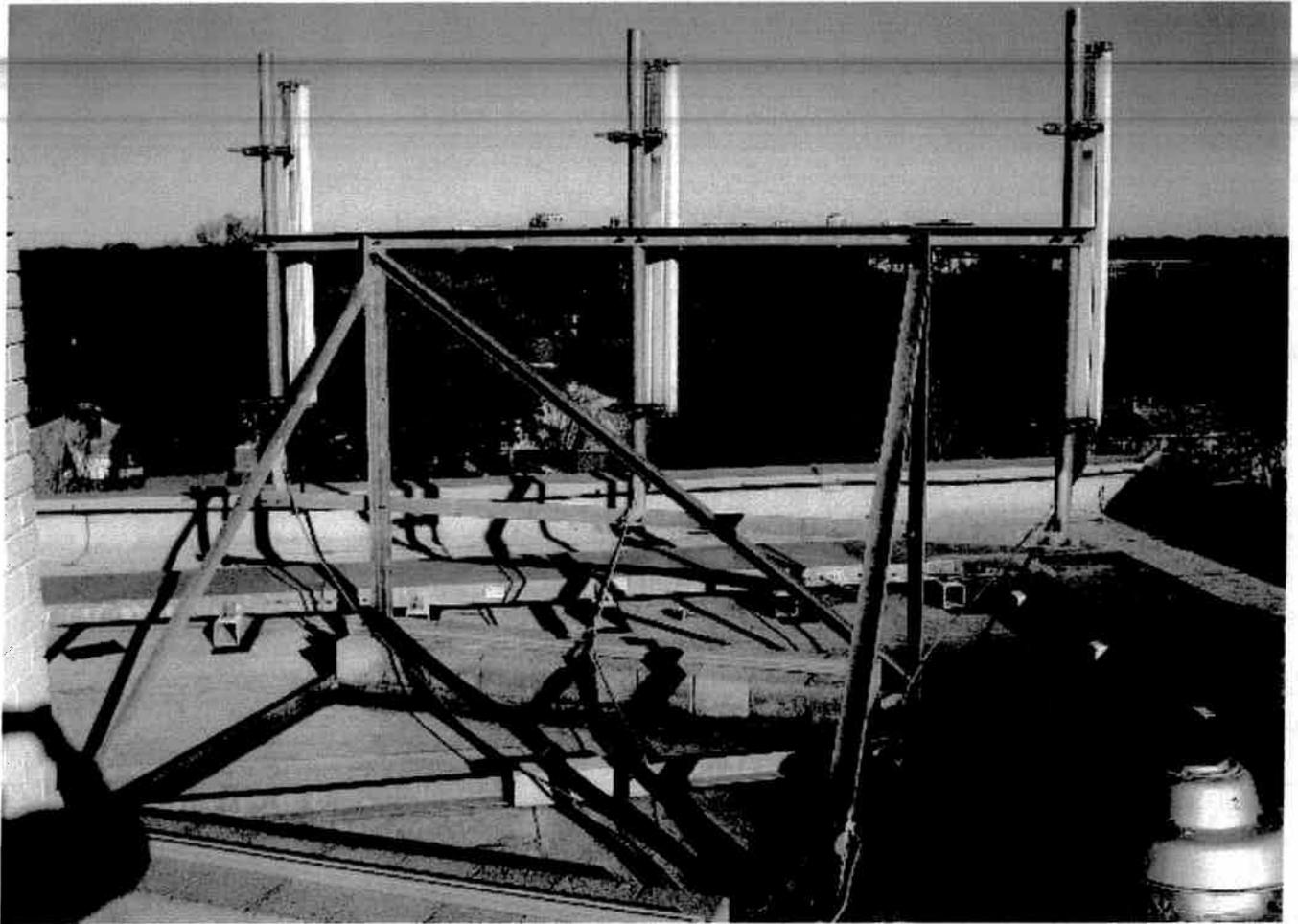
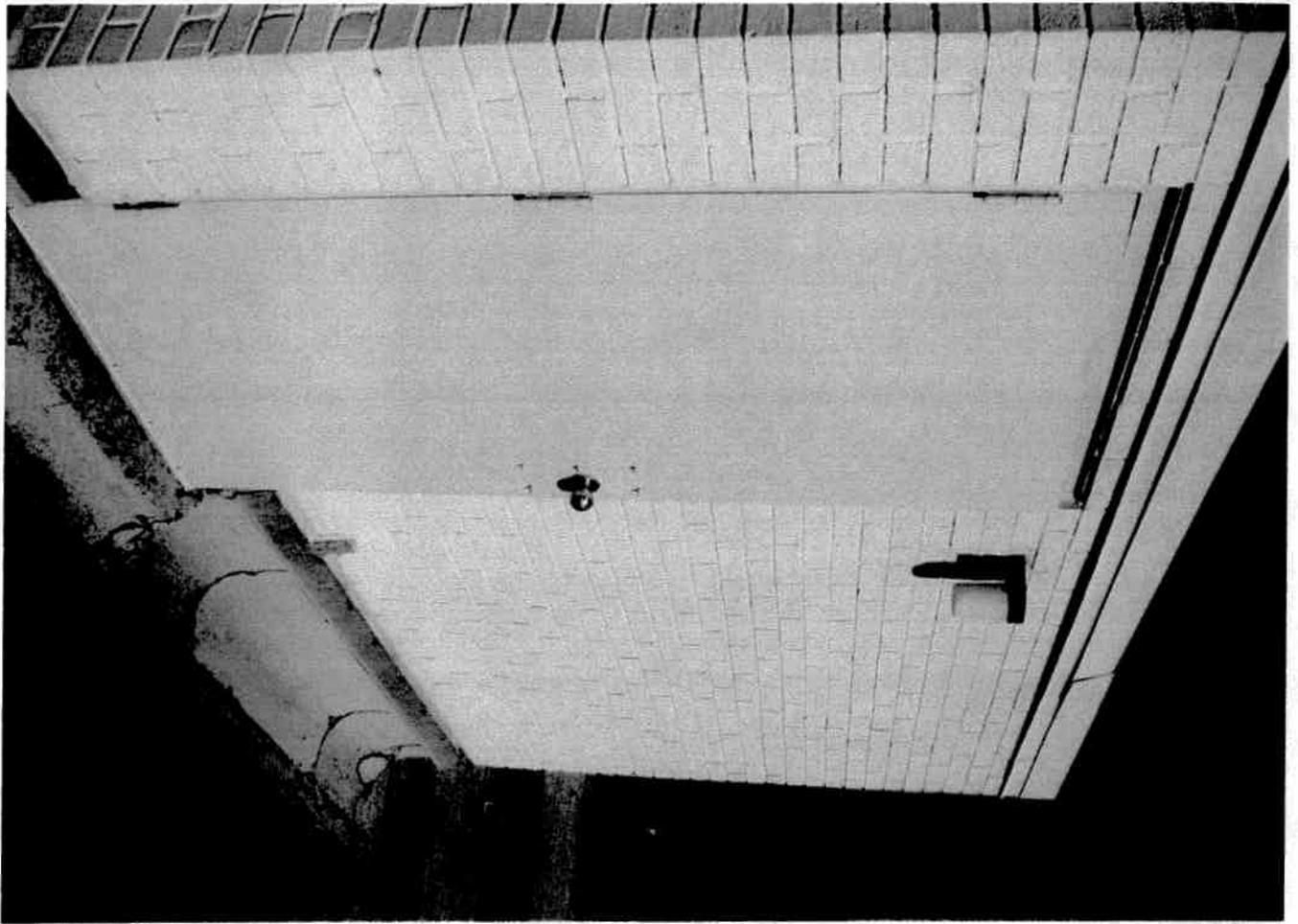
4241 Columbia Pike, Arlington, VA 22204-3076

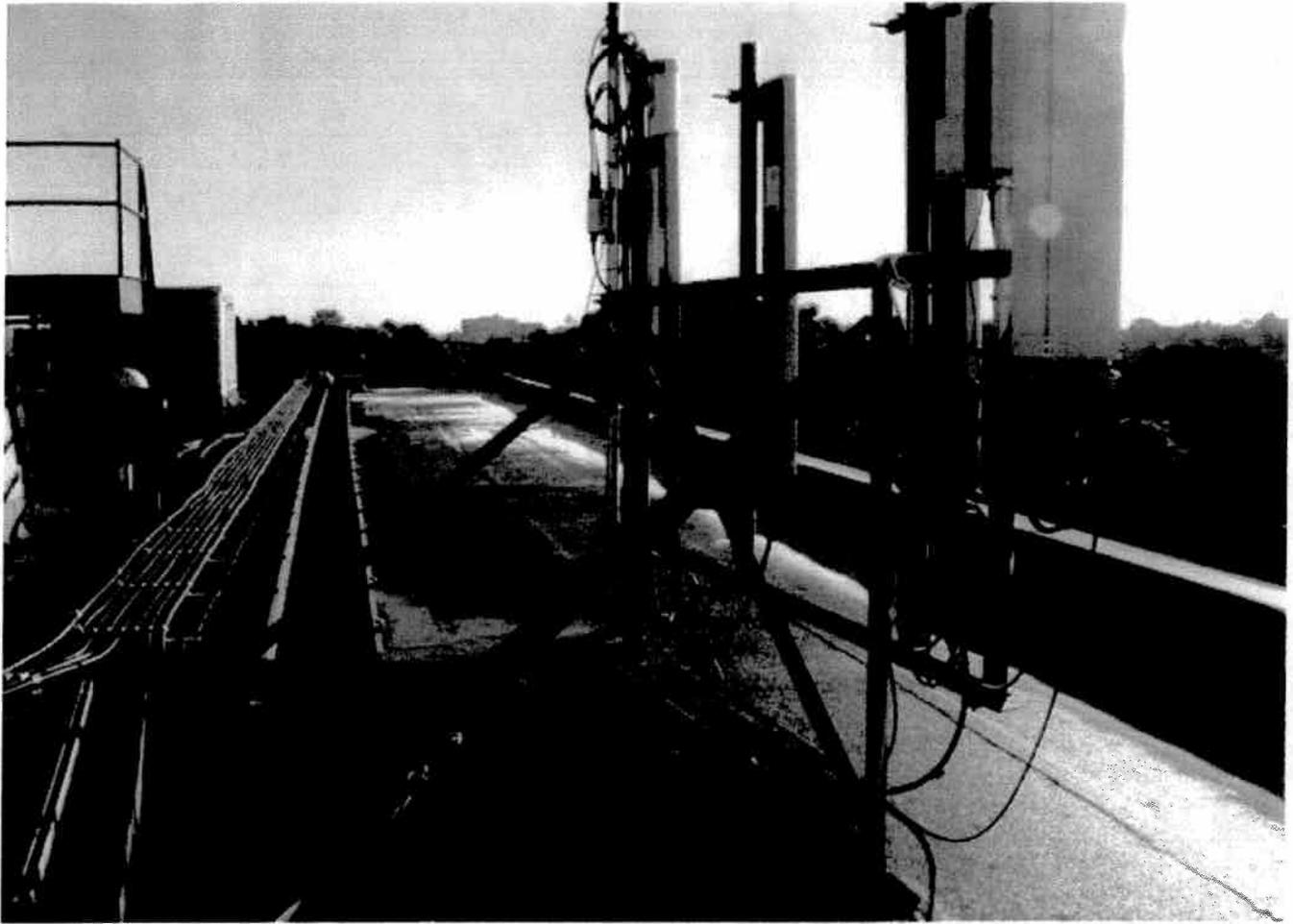
My Notes

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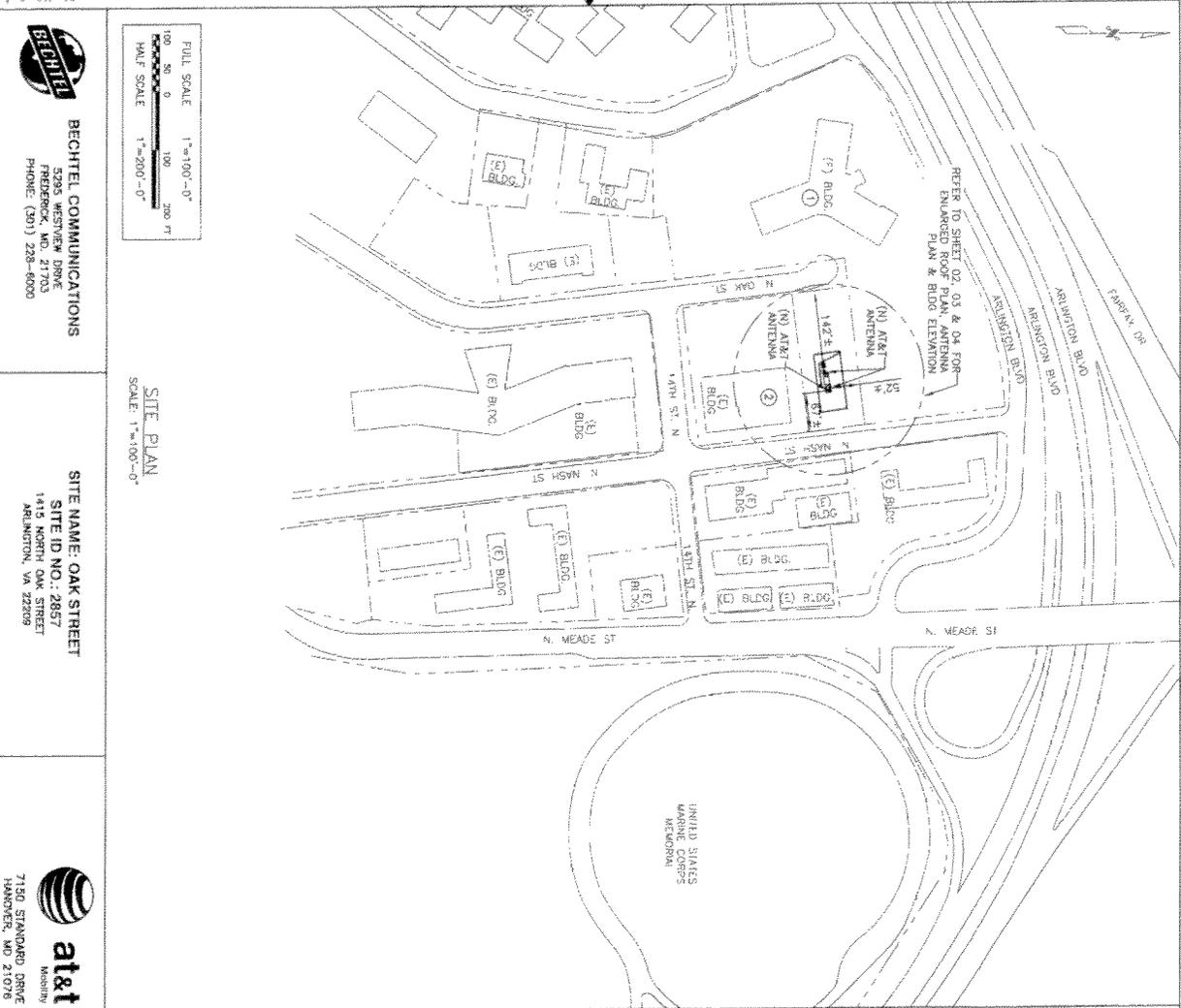








M. U-3293-11-1



GENERAL NOTES:

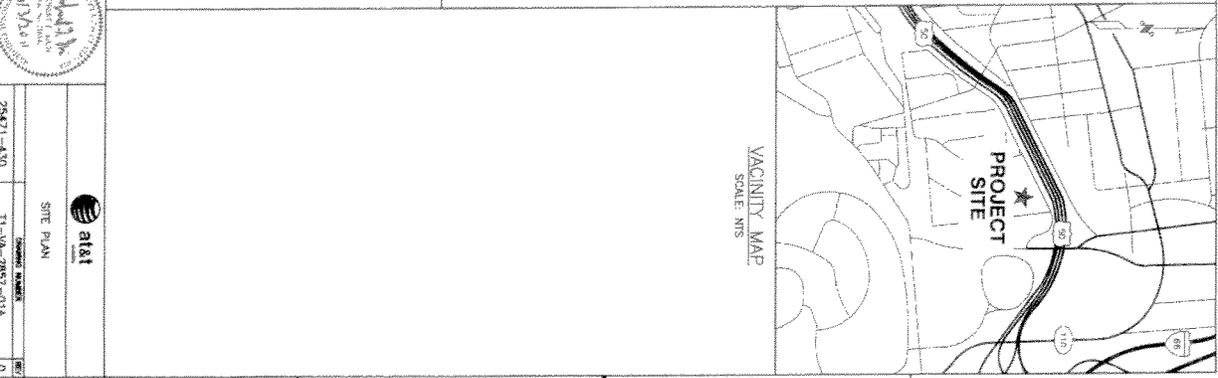
1. APPLICANT: AT&T
7150 STANDARD DRIVE
ATLANTA, GA 30328
2. PROPERTY OWNER: AT&T MANAGEMENT, LLC
1401 N. WILSON BLVD, #110-451
ARLINGTON, VA 22209
PHONE NO. (703) 505-6654 (703) 505-3428
3. SITE ADDRESS: 1415 N. OAK STREET
ARLINGTON, VA 22209
RPOCSTR: 17032010
ZONING: RM-6-15
PARCEL ID: 17032010
4. THIS PROJECT CONSISTS OF INSTALLING NEW EQUIPMENT ON A ROOFTOP PLATFORM AND NEW ANTENNAS WITH ASSOCIATED SUPPORT EQUIPMENT ON AN EXISTING ROOFTOP.
5. NO WATER OR SANITARY UTILITIES ARE REQUIRED FOR THE OPERATION OF THIS FACILITY.
6. TOTAL DISTURBED AREA: 0 SQUARE FEET (ROOF WORK ONLY)

EXISTING UTILITY NOTES:

1. FOR MARKING LOCATIONS OF EXISTING UTILITIES, NOTIFY MASS UTILITY AT 1-800-552-7001
2. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT BY LOCATIONS AND ELEVATION OF THE UTILITIES BY DRIVING TEST PITS BY CLEARANCE AND TEST SPAN SPECIFIED ON DRAWING OR PREVIOUSLY OBTAINED RECORDS. AT LEAST 12 INCHES FROM THE CENTERLINE OF ANY UTILITY WHEN NOT SPECIFIED, CONTACT THE ENGINEER AND THE OWNER OF THE OTHER INVOLVED UTILITY BEFORE PROCEEDING WITH CONSTRUCTION.
3. FOR FIELD LOCATION OF GAS LINE SERVICES, NOTIFY WASHINGTON LIGHT CO., 703-756-1000, 48 HOURS PRIOR TO THE START OF EXCAVATION OR CONSTRUCTION.
4. OMISSIONS AND/OR ADDITIONS OF UTILITIES FOUND DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF ANY CONTRACTOR ENGAGED IN EXCAVATION AT THIS SITE. BECHTEL ENGINEERING SHALL BE NOTIFIED IMMEDIATELY OF ANY AND ALL UTILITY INFORMATION, OMISSIONS, AND ADDITIONS FOUND BY ANY CONTRACTOR.
5. DUE TO THE PROXIMITY OF LIVE UNDERGROUND AND OVERHEAD UTILITIES, WE ARE NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY SUSTAINED DURING CONSTRUCTION BY ANY PERSONS, TRUCKS, TRAILERS OR EQUIPMENT USED ON OR ADJACENT TO THE SITE.

REAL ESTATE ASSESSMENT

1. THE VIRGINIAN ASSOCIATES
A VA JOINT VENTURE
THE POTOMAC HOTEL
1500 ARLINGTON BLVD #1100
ARLINGTON, VA 22209
ZONING: RM-6-15
RPOCSTR: 17032006
PARCEL ID: 17032006
2. THE WESLIE CONDOMINIUM
1401 N. OAK STREET
ARLINGTON, VA 22209
RPOCSTR: 17032PCA
PARCEL ID: 17032091



VICINITY MAP
SCALE: NTS

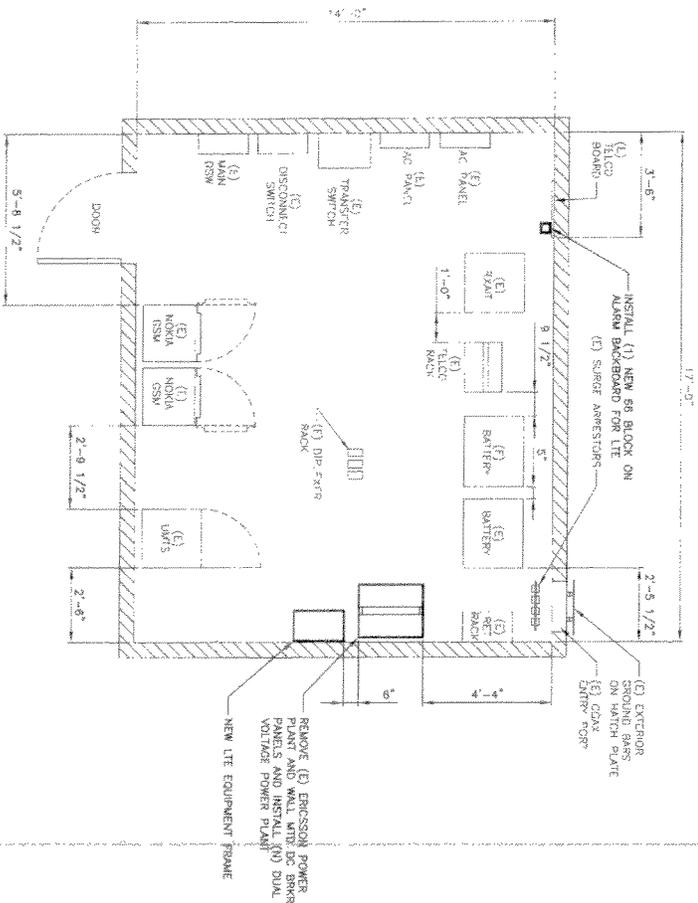
BECHTEL
5235 WESTVIEW DRIVE
FREDERICK, MD 21703
PHONE: (301) 228-6000

at&t
7150 STANDARD DRIVE
HANOVER, MD 21076

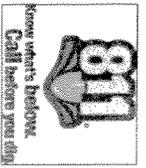
at&t
1415 NORTH OAK STREET
ARLINGTON, VA 22209

at&t
1401 N. OAK STREET
ARLINGTON, VA 22209
RPOCSTR: 17032PCA
PARCEL ID: 17032091

at&t
1415 N. OAK STREET
ARLINGTON, VA 22209
RPOCSTR: 17032010
ZONING: RM-6-15
PARCEL ID: 17032010



EQUIPMENT LAYOUT
SCALE: 1/2" = 1'-0"



BECHTEL COMMUNICATIONS
5295 WESTVIEW DRIVE
FREDERICK, MD 21703
PHONE (301) 228-6000

SITE NAME: OAK STREET
SITE ID NO.: 2857
1415 NORTH OAK STREET
ARLINGTON, VA 22209

at&t
7150 STANDARD DRIVE
HANOVER, MD 21075

6 5 4 3 2

SCOPE OF WORK

- OAK STREET
FIBER DC RUNS ROOFTOP TI, NEW POWER PLANT
8/2 --- BRDS V21 6/25, RPH AT ANTENNA
AZ 10-120-280 PER FEED LIE AZ 0-120-240-
WALL OF TRASH CHIMNEY --- WILL BE POSITION 9
- INSTALL (1) NEW ANTENNA PER SECTOR ON NEW MOUNTS (3 TOTAL) IN POS. 2&3 TO
 - REMOVE EXISTING 5M RETI CABLE BETWEEN EACH ANTENNA PER SECTOR (3 TOTAL)
 - INSTALL (1) NEW 5M RETI CABLE FROM (E) ANTENNA TO NEW LTE ANTENNA (3 TOTAL)
 - INSTALL (1) NEW 5M RETI CABLE FROM NEW LTE ANTENNA TO (E) ANTENNA (3 TOTAL)
 - INSTALL (1) NEW 1M RETI CABLE ON LTE ANTENNA BETWEEN MOTORS (3 TOTAL)
 - INSTALL (1) NEW GROUND BAR AT EACH NEW SECTOR MOUNT (3 TOTAL)
 - INSTALL (1) UNISTRUT FRAME ON GAMMA BELOW ANTENNAS
 - INSTALL (2) UNISTRUT FRAMES INSIDE STEALTH AREA
 - PREP FOR (2) RPH'S PER SECTOR ON NEW UNISTRUT FRAME - IE: GROUNDS (6 TOTAL)
 - INSTALL (12) JUMPERS FROM ANTENNAS TO RPHS
 - INSTALL (4) FEMALE DC STOPS ON RPH END OF JUMPERS (12 TOTAL)
 - INSTALL (1) DC2 AT EACH SECTOR (3 TOTAL)
 - INSTALL (1) 1" FLEX CONDUIT FROM DC2 TO RPH FOR DC CABLE (98 LF)
 - INSTALL (6) DC DROPS FROM DC2 TO RPH (98LF)
 - ZIP THE FIBER FROM RAYCAP UNIT TO RPH ON 1" FLEX CONDUIT
 - INSTALL (1) 2" INNER DUCT FROM SHELTER TO DC 2 (90LF)
 - REMOVE AND REINSTALL (75LF) OF CABLE TRAY COVER
 - INSTALL (6) NEW FIBER CABLES FROM JUNCTION TO DC2 (5M,5M,30M) 262LF
 - INSTALL (1) NEW UNISTRUT FRAME WITHIN STEALTH AREA
 - INSTALL (1) NEW UNISTRUT FRAME WITHIN STEALTH AREA
 - REMOVE AND REINSTALL (300LF) OF HORIZONTAL AND VERTICAL CABLE TRAYS
 - REMOVE EXISTING TRANSITION PIECE FROM ROOFTOP TO VERTICAL CABLE TRAY
 - INSTALL (1) 2" FIBER FROM TI TO JUNCTION (200LF)
 - INSTALL (1) 6" DUAL CABLES POWER PLANT JUNCTION (400LF)
 - REMOVE EXISTING ERICSSON POWER PLANT
 - DECOM (2) (3) EXISTING EXTERNAL BREAKER PANELS
 - INSTALL (2) DC PREPS FOR GSM
 - INSTALL (1) DC PREP FOR GSM
 - INSTALL (1) NEW DUAL VOLTAGE POWER PLANT
 - INSTALL (2) NEW DC PREPS FOR GSM
 - INSTALL (1) NEW HATCHPLATE FOR TI SPACE - PH II REQUIRED
 - INSTALL (1) NEW FRAME IN TI
 - INSTALL (1) NEW RAYCAP DC6 UNIT IN FRAME
 - INSTALL (1) NEW FIBER TRAY LTE FRAME
 - INSTALL (6) NEW 15M BREAKERS FOR SECTORS / RPHS
 - INSTALL (1) 66 BLOCK ON ALARM BACKBOARD FOR LTE
 - INSTALL (2) 10A BREAKERS AND DC DROPS FOR BRDS
 - INSTALL (1) GPS ANTENNA MOUNT NEXT TO (E) GPS ANTENNA
 - INSTALL (200LF) OF 1/2" COAX FOR NEW GPS ANTENNA
 - INSTALL ALL GROUNDS AS REQUIRED FOR NEW EQUIPMENT
 - SET ANTENNA DOWNTUITS FOR UNITS / GSM / LTE PER RFD'S
 - INSTALL WEATHERPROOFING AS REQUIRED
 - COMPLETE RSP CALL TESTING
 - COMPLETE WFE STUDY
- TELCO NOTES:**
1. INSTALL (2) 10M FIBER JUMPERS FROM TELCO TO BRUS

NO.	DATE	REVISIONS	BY	CHKD BY
0	10/25/10	ISSUED FOR CONSTRUCTION		
1				
2				

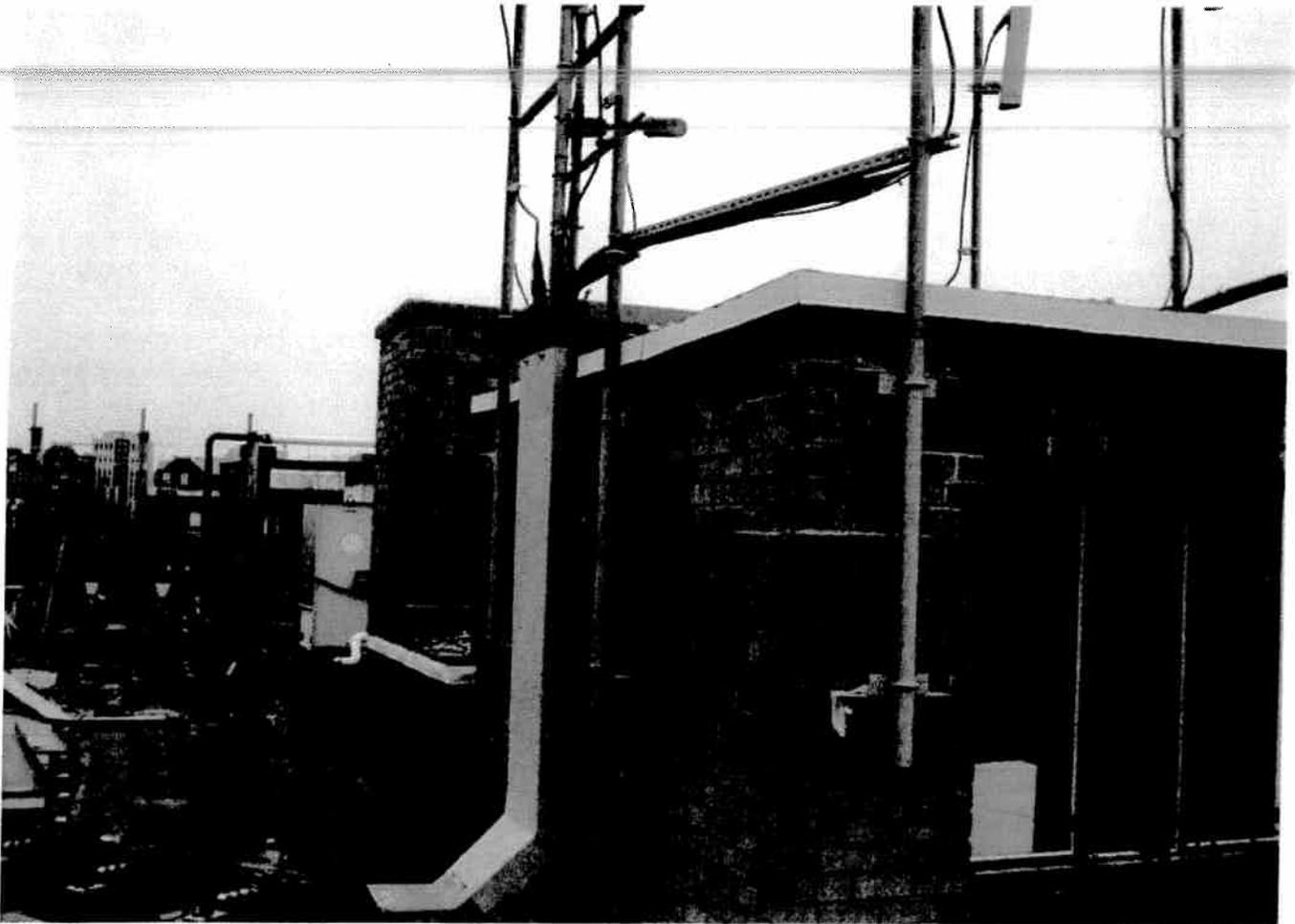
DESIGNED BY: MJK
DRAWN BY: MJK

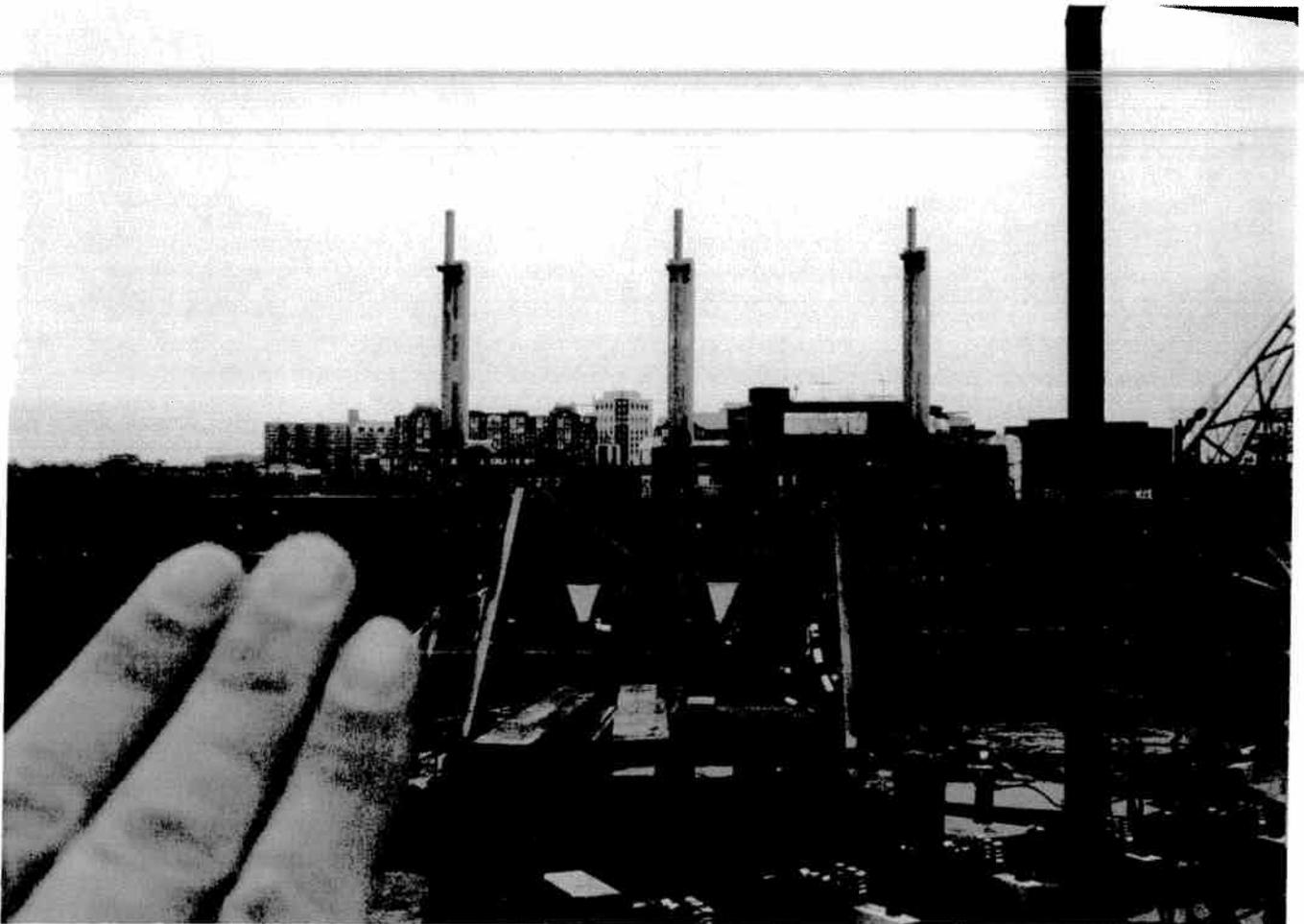
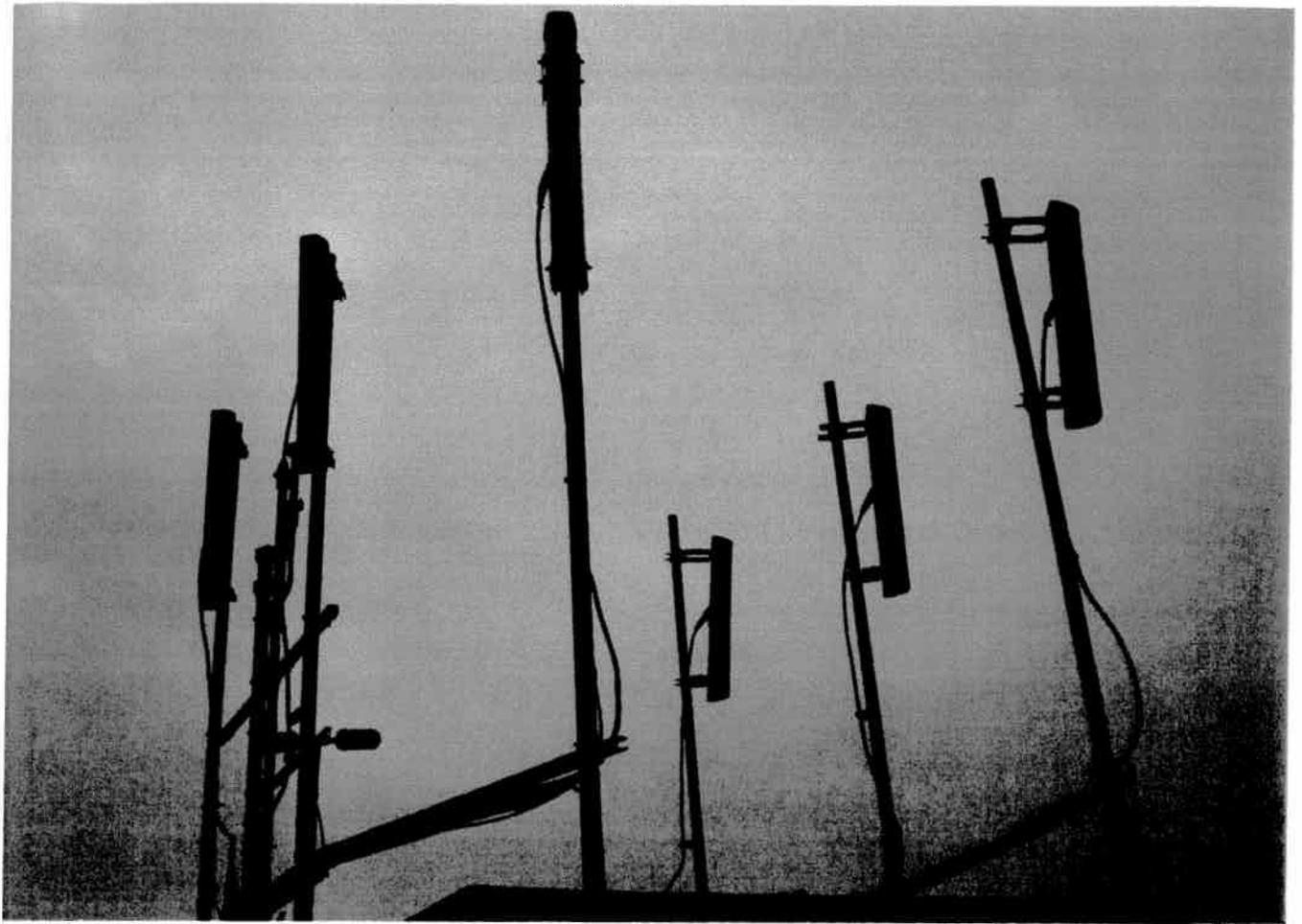
25471-A-30
11-W-2857-03
21.5' x 30'

at&t
EQUIPMENT LAYOUT AND SCOPE OF WORK



at&t
25471-A-30
11-W-2857-03
21.5' x 30'





N. U-3294-11-1

PROJECT DESCRIPTION

THIS PROJECT IS FOR AN UPGRADE TELECOMMUNICATIONS FACILITY, CONSISTING OF THE LOCATION OF THREE (3) ADDITIONAL PANELS, ANTENNAE (1 PER SECTION) ON EXISTING ANTENNA MOUNTS ON EXISTING TOWER.

PROJECT INFORMATION

APPLICANT:
LANDLORD/PROPERTY OWNER:
VIRGIN DEPARTMENT OF TRANSPORTATION
1480 MAIN PARKWAY, CHARLottesville, VA 22911

APPLICANT REPRESENTATIVE:
TOWER OWNER:
AT&T TOWERS

BECHTEL CORPORATION:
PROJECT INFORMATION:
MOUNTAIN COUNTY, VA

CONSULTANT:
GPS GROUP
520 SOUTH MAIN STREET, SUITE 2531
COLUMBIA, MD 21046
TELEPHONE: (410) 572-2100
FAX: (410) 572-3392

ALL EXCAVATIONS MUST CONFORM TO UTILITY LOCATIONS (1-800-552-7002) AT LEAST 1 BUSINESS DAY BEFORE EXCAVATION, AS REQUIRED BY LAW.

RF DATA SHEET

DATE ISSUED: 4/28/10
VERSION: ITC, VOL 1

DRAWING INDEX

DRAWING INDEX	REV
0357-11 TITLE SHEET	0
0357-SP1 EXISTING SITE PLAN	0
0357-C1 PROJECT NOTES	0
0357-C2 SITE PLAN AND ELEVATION VIEW	0
0357-C3 SITE DETAILS	0
0357-C4 GROUNDING DETAILS	0
0357-C5 SITE DETAILS	0
0357-1400A SYSTEM DIAGRAM, TOWER SITE WITH INDOOR BASE BAND AND RRHS ON TOWER	0
0357-1416 WIRING DIAGRAM, INDOOR BASE BAND AND RRHS ON TOWER/ROOFTOP, DC/DC CONVERTER, DC5	0
0357-8A-8BD LIE & RRH DETAILS	0
0357-8C LIE & RRH DETAILS - MOUNTED ON TOWER	0
0357-12B LIE DETAILS - RET RACK & RAYCAP BOXES	0
0357-1419 RET CONFIGURATION DIAGRAM	0

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEERS IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERMIT. REFUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

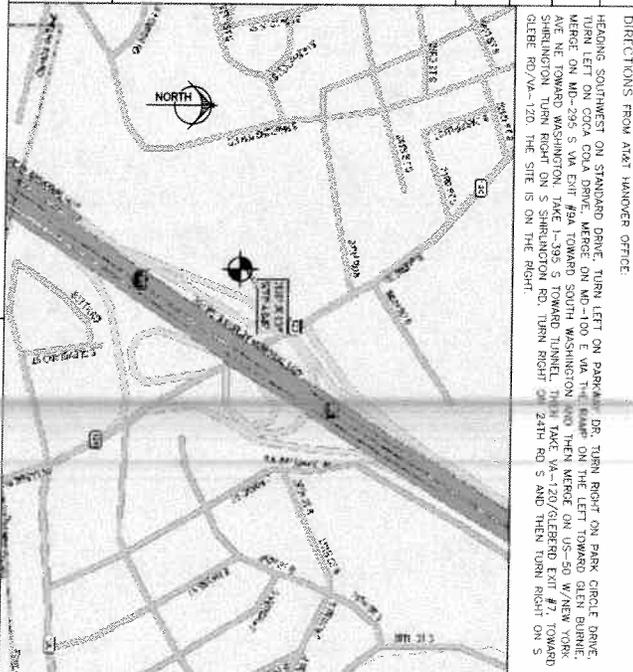
BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046

CPD ASSOCIATES
520 South Main Street, Suite 2531 Aton, Ohio 44311
330-572-2100, Fax 330-572-2101



SITE NAME: VARSITY
SITE ID NUMBER: 0357

VICINITY MAP



DIRECTIONS FROM A&T HANDOFF OFFICE:
HEADING SOUTHWEST ON STANDARD DRIVE, TURN LEFT ON PARKWAY DR, TURN RIGHT ON PARK CIRCLE, DRIVE TOWARD COCA COLA DRIVE, MERGE ON MD-100 E VIA THE RAMP ON THE LEFT TOWARD GLEN BURNING, MERGE ON MD-295 S VIA EXIT #9A TOWARD SOUTH WASHINGTON AND THEN MERGE ON US-50 W/NEW YORK ST. TURN RIGHT ON S WASHINGTON RD, TURN RIGHT ON 24TH RD S AND THEN TURN RIGHT ON S GLEBERD RD/VA-120. THE SITE IS ON THE RIGHT.

SITE NAME: VARSITY
SITE ID NUMBER: 0357
2480 SOUTH GLEBE ROAD
ARLINGTON, VA 22206

at&t Mobility
7150 STANDARD DRIVE
HANDOVER, MD 21076

NO.	DATE	REVISION
0	9/22/10	ISSUED FOR MARKET COMMENTS
1	9/22/10	REVISED FOR MARKET COMMENTS
2	9/22/10	REVISED FOR MARKET COMMENTS
3	9/22/10	REVISED FOR MARKET COMMENTS
4	9/22/10	REVISED FOR MARKET COMMENTS
5	9/22/10	REVISED FOR MARKET COMMENTS
6	9/22/10	REVISED FOR MARKET COMMENTS
7	9/22/10	REVISED FOR MARKET COMMENTS
8	9/22/10	REVISED FOR MARKET COMMENTS
9	9/22/10	REVISED FOR MARKET COMMENTS
10	9/22/10	REVISED FOR MARKET COMMENTS

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 (A&J) FOR THE LOCATION OF THE A&J ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODES:
INTERNATIONAL BUILDING CODE (IBC 2006), IRC 2003 WITH LOCAL AMENDMENTS
NATIONAL ELECTRIC CODE: NEC 2008 WITH LOCAL AMENDMENTS
PRE/TYPE SAFETY CODE: NFPA 2009 WITH LOCAL AMENDMENTS
SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION TIA/EIA-222-F, STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWER AND RELATED STRUCTURES
TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY (LATEST EDITION) 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)
TELECOMMDIA GR-1273, GENERAL INSTALLATION REQUIREMENTS
TELECOMMDIA GR-1503, 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 INSTALLATION, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN, WHERE THERE IS CONFLICT BETWEEN THE GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.



A&E DESIGN PACKAGE REVIEW STATUS

1. I.D. ACCEPTED—NO COMMENTS, PROCEED	2. I.D. COMMENTS
<input type="checkbox"/> A. I.D. info missing/incomplete	<input type="checkbox"/> F. Design deviation from standard
<input type="checkbox"/> B. A/E did not follow directions provided	<input type="checkbox"/> G. Omissions
<input type="checkbox"/> C. Design requested changes	<input type="checkbox"/> H. A/E changed design in design
<input type="checkbox"/> D. Design input changes i.e. RF zoning required	<input type="checkbox"/> I. A/E changed site design
<input type="checkbox"/> E. Revised site design	<input type="checkbox"/> J. OTHER

Revision to proceed show not constitute acceptance or approval of design details, calculations, materials, methods of construction, or installation. All revisions must be approved by the supplier and does not release supplier from full compliance with contract requirements.

Reviewed by: BD 9/4

BY ENGINEER	DATE	MARKET LEAD	CONSTRUCTION
SA	9/9/2010	UN 9/13	DM 9/10/10



AT&T
LTE PROJECT

AT&T COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046

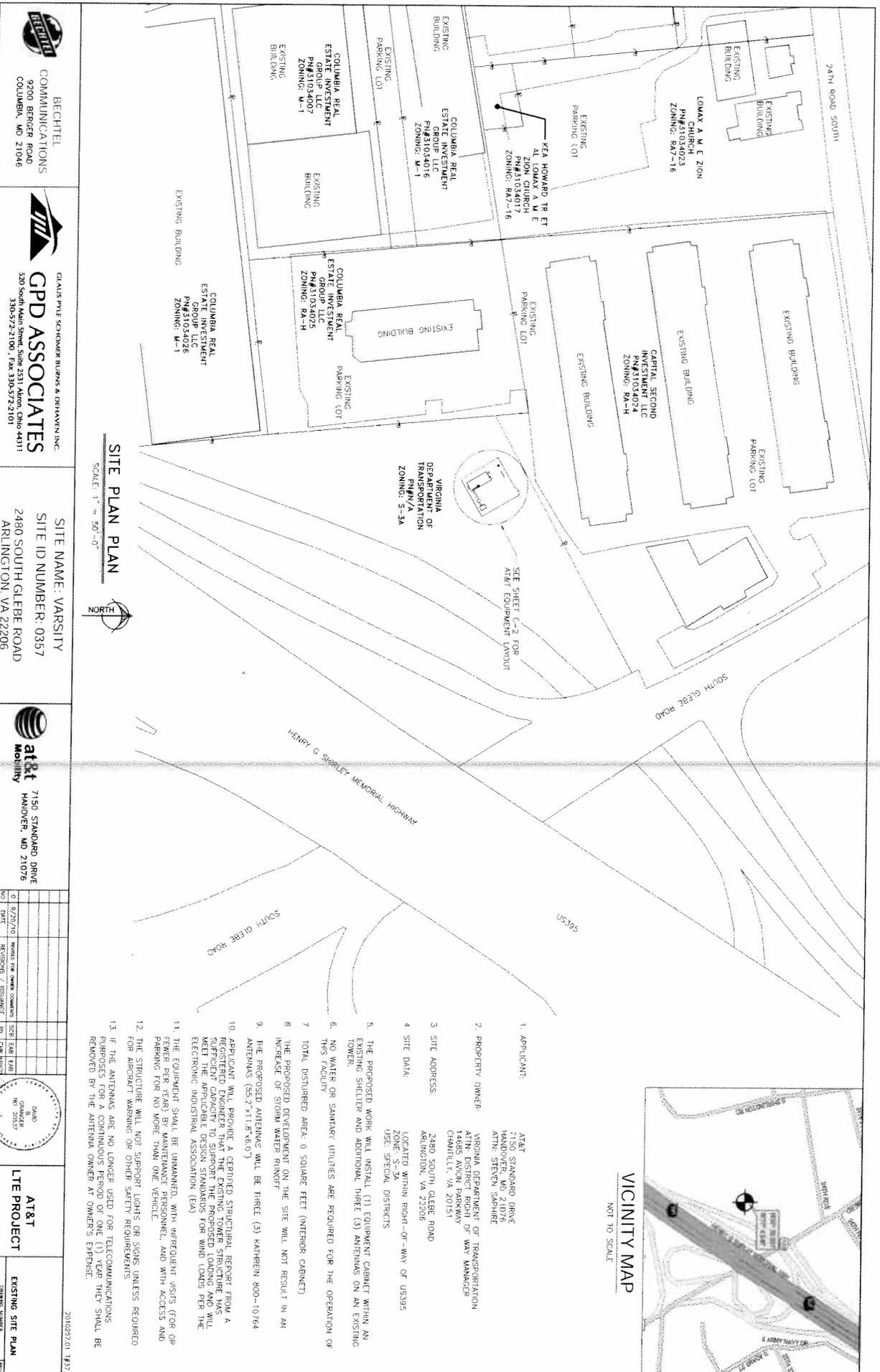
CPD ASSOCIATES
520 South Main Street, Suite 2531 Aton, Ohio 44311
330-572-2100, Fax 330-572-2101

MARKET LEAD

CONSTRUCTION

TITLE SHEET

0357-11



SITE PLAN PLAN

SCALE: 1" = 50'-0"



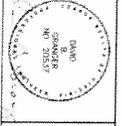
BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046

CLAUS PIRE SCHOMER BUILDING & DRAFTING INC.
CPD ASSOCIATES
320 South Main Street, Suite 2331 Akron, Ohio 44311
330-572-2100, Fax 330-572-2101

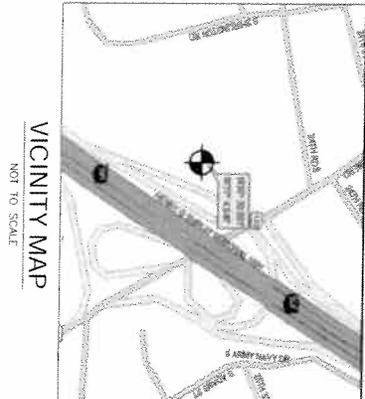
SITE NAME: VARSITY
SITE ID NUMBER: 0357
2480 SOUTH GLEBE ROAD
ARLINGTON, VA 22206

at&t Mobility
7150 STANDARD DRIVE
HANDOVER, MD 21076

DATE	BY	REVISION
03/27/11	ENR	ISSUE FOR OWNER COMMENTS
03/27/11	ENR	ISSUE FOR RESUBMIT BY CDR MATT
03/27/11	ENR	ISSUE FOR SCALE AS SHOWN



AT&T LITE PROJECT
EXISTING SITE PLAN
DRAWING NUMBER: 0357-SP1



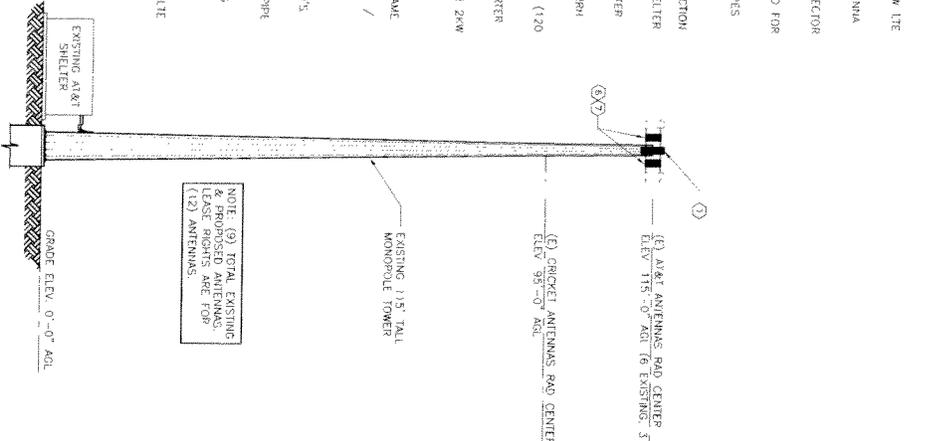
VICINITY MAP
NOT TO SCALE

1. APPLICANT:
AT&T
7150 STANDARD DRIVE
HANDOVER, MD 21076
ATTN: STEVEN SHARPE
2. PROPERTY OWNER:
VIRGINIA DEPARTMENT OF TRANSPORTATION
ATTN: DISTRICT RIGHT OF WAY MANAGER
CHASSELLE, VA 20151
3. SITE ADDRESS:
2480 SOUTH GLEBE ROAD
ARLINGTON, VA 22206
4. SITE DATA:
LOCATED WITHIN RIGHT-OF-WAY OF US395
ZONE: S-3A
USE: SPECIAL DISTRICTS
5. THE PROPOSED WORK WILL INSTALL (1) EQUIPMENT CABINET WITHIN AN EXISTING SHOULDER AND ADDITIONAL THREE (3) ANTENNAS ON AN EXISTING TOWER.
6. NO WATER OR SANITARY UTILITIES ARE REQUIRED FOR THE OPERATION OF THIS FACILITY.
7. TOTAL DISTURBED AREA: 0 SQUARE FEET (INTERIOR CABINET)
8. THE PROPOSED DEVELOPMENT ON THE SITE WILL NOT RESULT IN AN INCREASED OR STORM WATER RUNOFF.
9. THE PROPOSED ANTENNAS WILL BE THREE (3) HATHREIN 800-10764 ANTENNAS (56.2'x11.8'x6.0').
10. APPLICANT WILL PROVIDE A CERTIFIED STRUCTURAL REPORT FROM A REGISTERED ENGINEER THAT THE EXISTING TOWER AND FOUNDATIONS MEET THE APPLICABLE DESIGN STANDARDS FOR WIND LOADS PER THE ELECTRONIC INDUSTRIAL ASSOCIATION (EIA).
11. THE EQUIPMENT SHALL BE UNMANNED WITH FREQUENT VISITS (FOR O&M FEWER PER YEAR) BY MAINTENANCE PERSONNEL, AND WITH ACCESS AND PARKING FOR NO MORE THAN ONE VEHICLE.
12. THE STRUCTURE WILL NOT SUPPORT LIGHTS OR SIGNS UNLESS REQUIRED FOR SAFETY WARNINGS OR OTHER SAFETY REQUIREMENTS.
13. IF THE ANTENNAS ARE NO LONGER USED FOR TELECOMMUNICATIONS PURPOSES FOR A CONTINUOUS PERIOD OF ONE (1) YEAR THEY SHALL BE REMOVED BY THE ANTENNA OWNER AT OWNER'S EXPENSE.

SCOPE OF WORK

1. INSTALL (1) NEW WATERTIGHT LTE ANTENNA AT THE SECTOR FRAME (3 TOTAL).
2. DECOM EXISTING 5M RET CABLE BETWEEN EACH ANTENNA PER SECTOR (3 TOTAL).
3. INSTALL (1) NEW 3M RET CABLE BETWEEN NEW LTE ANTENNA TO (2) ANTENNA (9 TOTAL).
4. INSTALL (1) NEW 1M RET CABLE ON LTE ANTENNA BETWEEN MOTORS (3 TOTAL).
5. REPLACE (1) (E) GROUND BAR WITH (N) AT SECTOR MOTOR (3 TOTAL).
6. INSTALL (1) MAST PIPE WITH CAPPED GROUND FOR RRHS BEHIND LTE ANTENNA (3 TOTAL).
7. PREP AND HANG (6) RRHS ON NEW MAST PIPES.
8. INSTALL (12) JUMPERS TOPSIDE FOR LTE.
9. INSTALL (1) NEW RAVCAP DOME SURGE PROTECTION.
10. INSTALL (1) 12 PAIR FIBER (200LF) FROM SHELTER TO DOME.
11. INSTALL (2) 3 PAIR DC CABLE (400 LF) SHELTER TO DOME.
12. INSTALL (6) FIBER JUMPERS FROM DOME TO RRH (120 LF).
13. INSTALL (6) DC CIRCUITS FROM DOME TO RRH (120 LF).
14. INSTALL (2) NEW 250A BREAKERS FOR CONVERTER MODULE - Serial 1998.
15. INSTALL (1) NEW --48V DC CONVERTER W/ (3) 2kW CONVERTER MODULES.
16. INSTALL (1) NEW LTE FRAME.
17. INSTALL (1) NEW RAVCAP DOME UNIT IN LTE FRAME.
18. INSTALL (6) NEW 15A BREAKERS FOR SECTORS / RRHS.
19. INSTALL (1) NEW FIBER TRAY IN LTE BAY.
20. INSTALL (2) NEW 10A BREAKERS FOR THE RRH'S WITH DC DRUPS.
21. INSTALL (1) GPS ANTENNA MOUNT WITH MAST PIPE NEXT TO (E) GPS ANTENNA.
22. ADD BOOTS FOR GPS AND FIBER / DC CABLES.
23. INSTALL ALL GROUNDING AS REQUIRED FOR NEW EQUIPMENT.
24. SET ANTENNA DOWNLITS FOR UNITS / GSM / LTE PER PFD.
25. INSTALL WEATHERPROOFING AS REQUIRED.
26. COMPLETE PDP&P CAL. TESTING.

PROPOSED WORK, REFERENCE SCOPE OF WORK

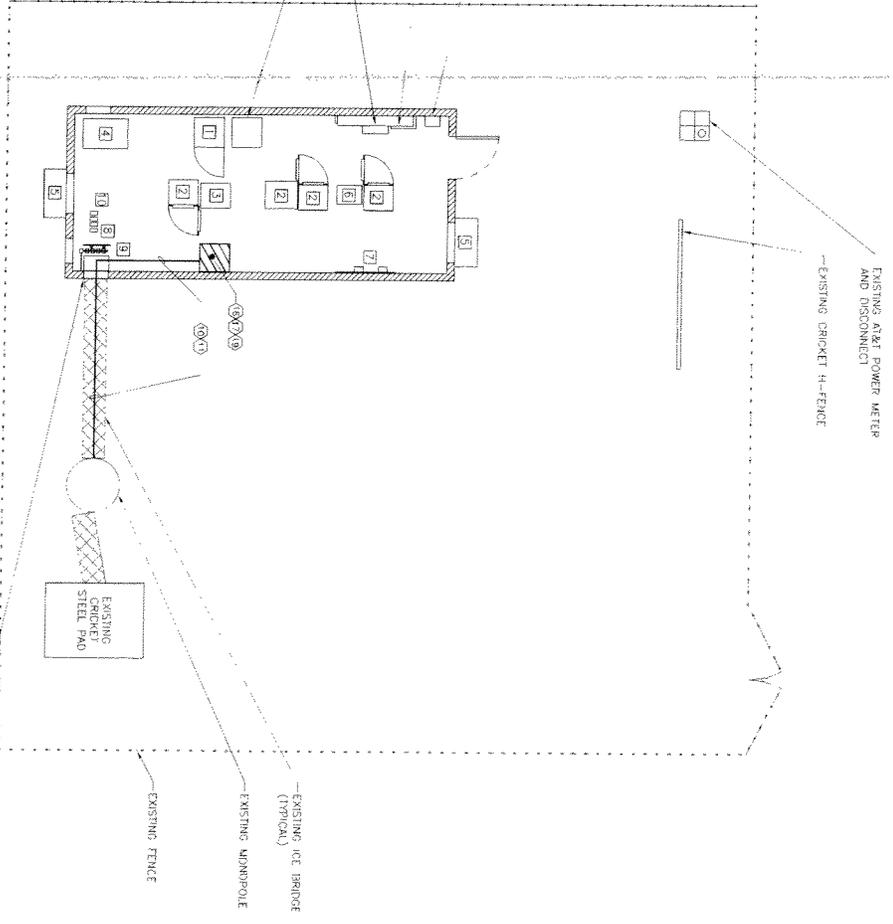


ELEVATION VIEW
N113

NOTE: (6) TOTAL EXISTING & PROPOSED ANTENNA LEASE RIGHTS ARE FOR (12) ANTENNAS.

EXISTING EQUIPMENT LEGEND

- 1 EXISTING UNITS
- 2 EXISTING NOKIA CABINET
- 3 EXISTING TCO BP
- 4 EXISTING TCO BATTERY
- 5 EXISTING HAAC
- 6 EXISTING TELCO BOARD
- 7 EXISTING SUNBE ARRESTORS
- 8 EXISTING RET RACK
- 9 EXISTING DIPL-EXERS



EQUIPMENT LAYOUT PLAN
SCALE: 1/4" = 1'



BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046

CLAUS PHEL SCHMIDT BURNS & ORFANOS INC. CPD ASSOCIATES
520 South Main Street, Suite 2331 Akron, Ohio 44311
330-572-2100, Fax 330-572-2101

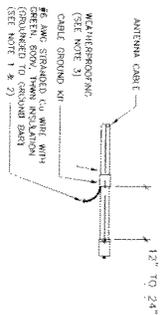
SITE NAME: VARSITY
SITE ID NUMBER: 0357
2480 SOUTH GLEBE ROAD
ARLINGTON, VA 22206

at&t Mobility
7190 STANDARD DRIVE
HANOVER, MD 21076

DATE	BY	CHKD BY
12/27/11	DESIGNED BY	SCALE AS SHOWN
12/27/11	REVISIONS / RESUMES	BY
12/27/11	DATE	BY



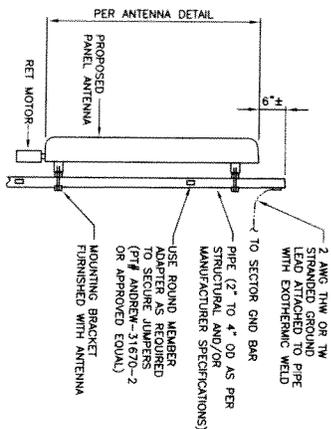
AT&T LTE PROJECT
SITE PLAN AND ELEVATION VIEW
DRAWING NUMBER: 0357-02



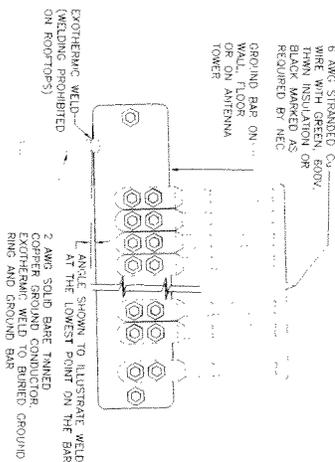
CONNECT OF CABLE GROUND KIT TO ANTENNA CABLE

- NOTES:
- DO NOT ATTEMPT CABLE GROUND KIT AT A BRIM AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR
 - GROUNDING KIT SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR PROVIDED BY CABLE MANUFACTURER)
 - WEATHERPROOFING SHALL BE (TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER)

DETAIL 121

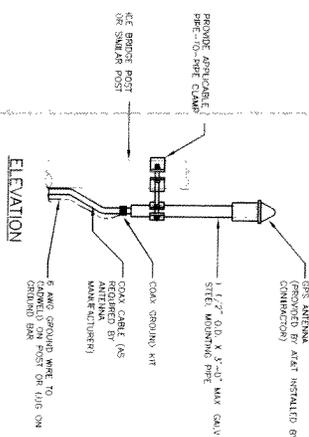


PER ANTENNA DETAIL
ANTENNA MOUNTING DETAIL 1520



INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR

DETAIL 118

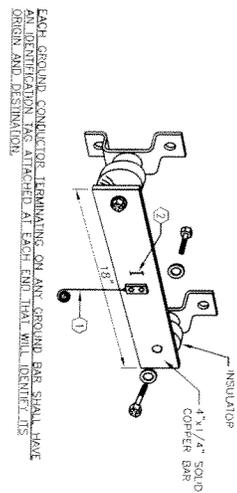


NOTES:

- LOCATION OF ANTENNA MUST HAVE CLEAR VIEW OF SOUTHERN SKY
- ANTENNA MUST BE SECURED TO STRUCTURE EXCEEDING 25% OF THE ANTENNA WEIGHT
- ALL GPS ANTENNAS SHOULD BE KEPT AT LEAST 10 FEET FROM HANDHELD GPS BEFORE FINAL LOCATION OF GPS ANTENNA

DETAIL 1121

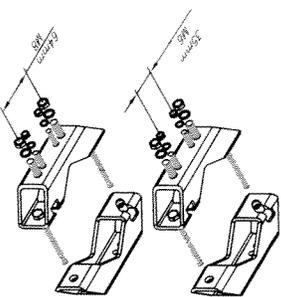
GPS ANTENNA PIPE MOUNT



- NOTE: EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE A PERMANENT LABEL AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.
- CONNECTION FOR ALL COMMUNICATIONS EQUIPMENT FRAMES TO MASTER GROUND BAR (2 AWG)
- DETAIL NOTES:
- TWO-HOLE LONG BARREL COMPRESSION LUG WITH 2 AWG STRANDED COPPER CONDUCTOR AND GREEN THW INSULATION TO GROUND CONDUCTOR TO MASTER GROUND BAR AND CONNECT WITH TWO-HOLE LUG TO 1\"/>

DETAIL 120

(IGB) ISOLATED GROUND BAR



KATHREIN MOUNTING KIT

DETAIL 1509



BECHTEL COMMUNICATIONS
9200 BERGER ROAD
COLUMBIA, MD 21046



GPD ASSOCIATES
520 South Main Street, Suite 253, Akron, Ohio 44311
330-572-2100 / Fax 330-572-2101

SITE NAME: VARSITY
SITE ID NUMBER: 0357
2480 SOUTH CLIBBE ROAD
ARLINGTON, VA 22206



AT&T Mobility
7150 STANDARD DRIVE
HANOVER, MD 21076

NO.	DATE	REVISION / RESUBMIT	BY	CHK	APP
1	5/27/10	ISSUED FOR OWNER COMMENTS	SCB	ENB	ENB
2	6/1/10	REVISION / RESUBMIT BY CHG PARTS	SCB	ENB	ENB
3	6/1/10	FINAL DRAWING BY: A11	SCB	ENB	ENB



AT&T LTE PROJECT

SITE DETAILS

PROJECT NUMBER	0357-C3
DATE	0

VARSITY



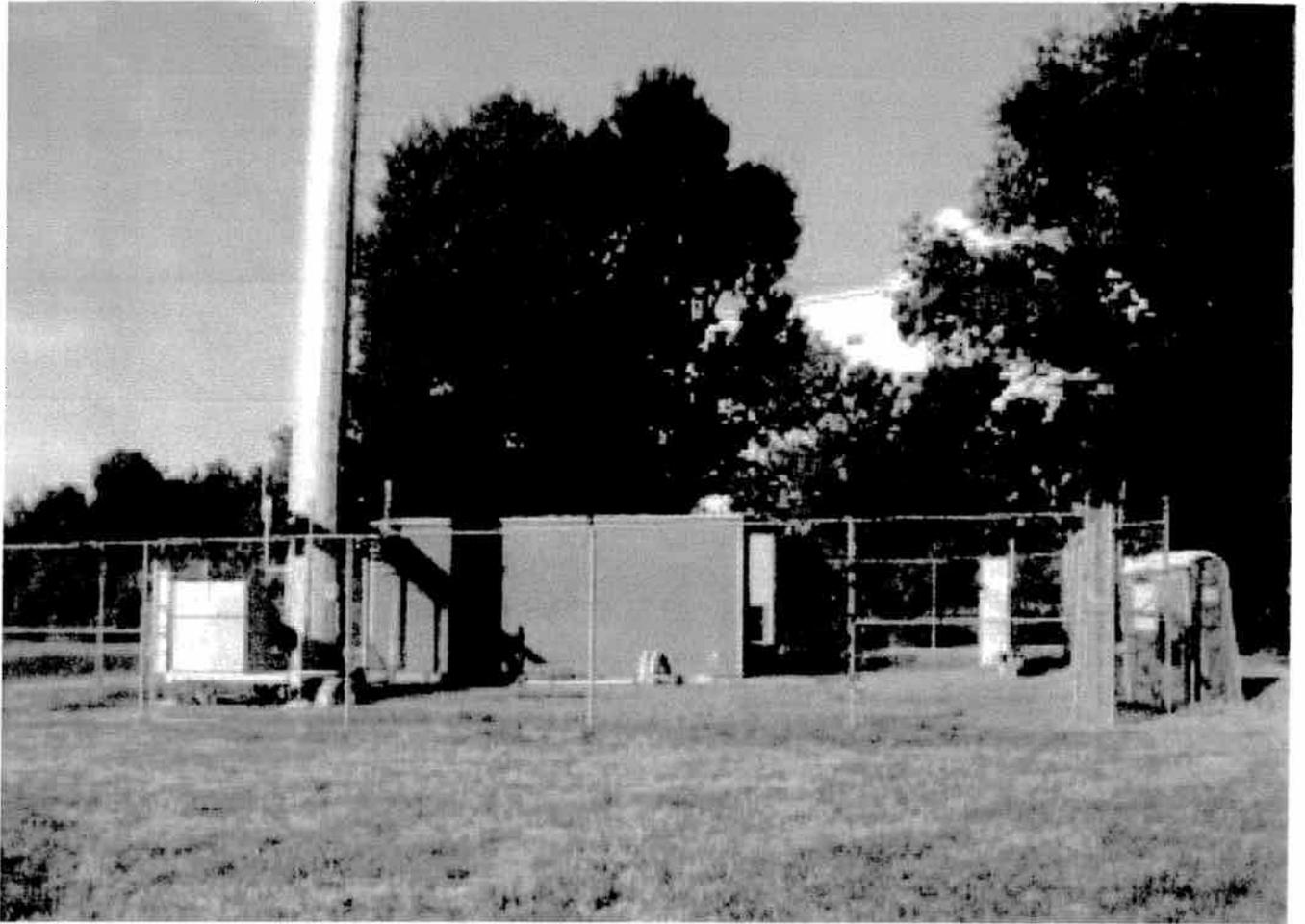
Imagery Date Aug 29, 2010

© 2011 Google

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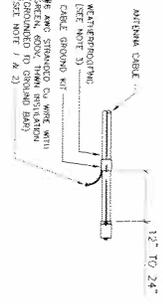
Google

Eye alt 308 ft





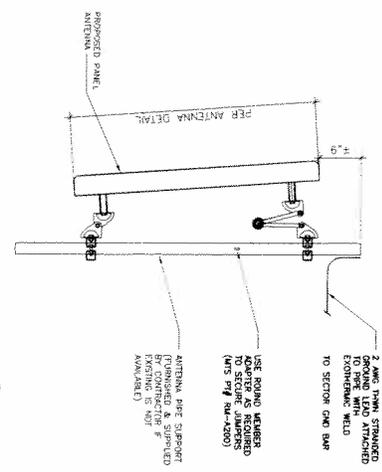
O. U-3296-11-1



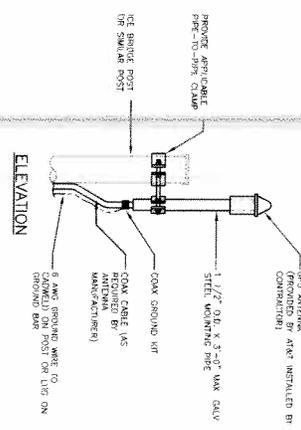
CONNECT OF CABLE GROUND KIT TO ANTENNA CABLE

- NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A 90° AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 - GROUNDING KIT SHALL BE (TYPE AND PART NUMBER AS SPECIFIED OR RECOMMENDED BY CABLE MANUFACTURER)
 - WATERPROOFING SHALL BE (TYPE AND PART NUMBER AS SPECIFIED OR RECOMMENDED BY CABLE MANUFACTURER)

DETAIL 121
NTS



ANTENNA MOUNTING DETAIL 2

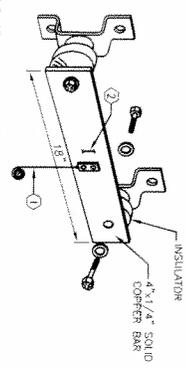


ELEVATION

- NOTES:**
- POSITION OF ANTENNA MUST HAVE CLEAR VIEW OF SATELLITE SKY AND CANNOT HAVE ANY OBSTACLES EXCEEDING 25% OF THE SURFACE AREA OF A HEMISPHERE AROUND THE GPS ANTENNA.
 - ALL GPS ANTENNA BODIES MUST BE ABLE TO RECEIVE CLEAR HANDOFF GPS SIGNALS FROM ALL SATELLITES VISIBLE WITHIN THE FIELD OF VIEW OF GPS ANTENNA.

DETAIL 1121
NTS

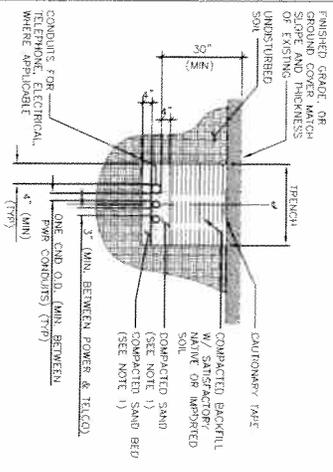
E911-GPS ANTENNA PIPE MOUNT



(IGB) ISOLATED GROUND BAR

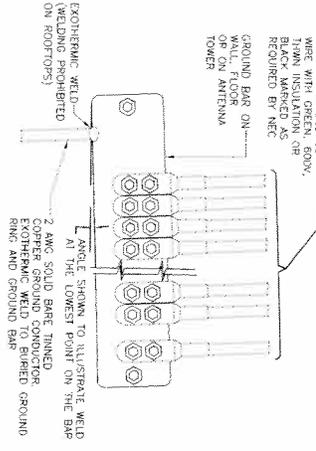
- DETAIL NOTES:**
- TWO-HOLE LONG BARREL COMPRESSION LUG WITH 2 AWG STRANDED COPPER CONDUCTOR SHALL BE INSTALLED TO GROUND BAR. ROUTE CONDUCTOR TO MASTER GROUND BAR AND CONNECT WITH TWO-HOLE LUG TO T-SECTION.
 - USE PERMANENT MARKER TO LABEL THE WHOLE BAR AS "T" WITH "1" HIGH LETTERS.

DETAIL 1120
NTS



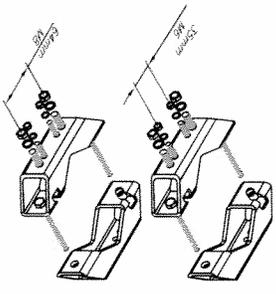
DIRECT BURIED CONDUIT - INSIDE SITE FENCED AREA

DETAIL 105-BWA
NTS



INSTALLATION OF GROUND WIRE TO COAX CABLE GROUND BAR

DETAIL 1116
NTS



KATHREIN MOUNTING KIT

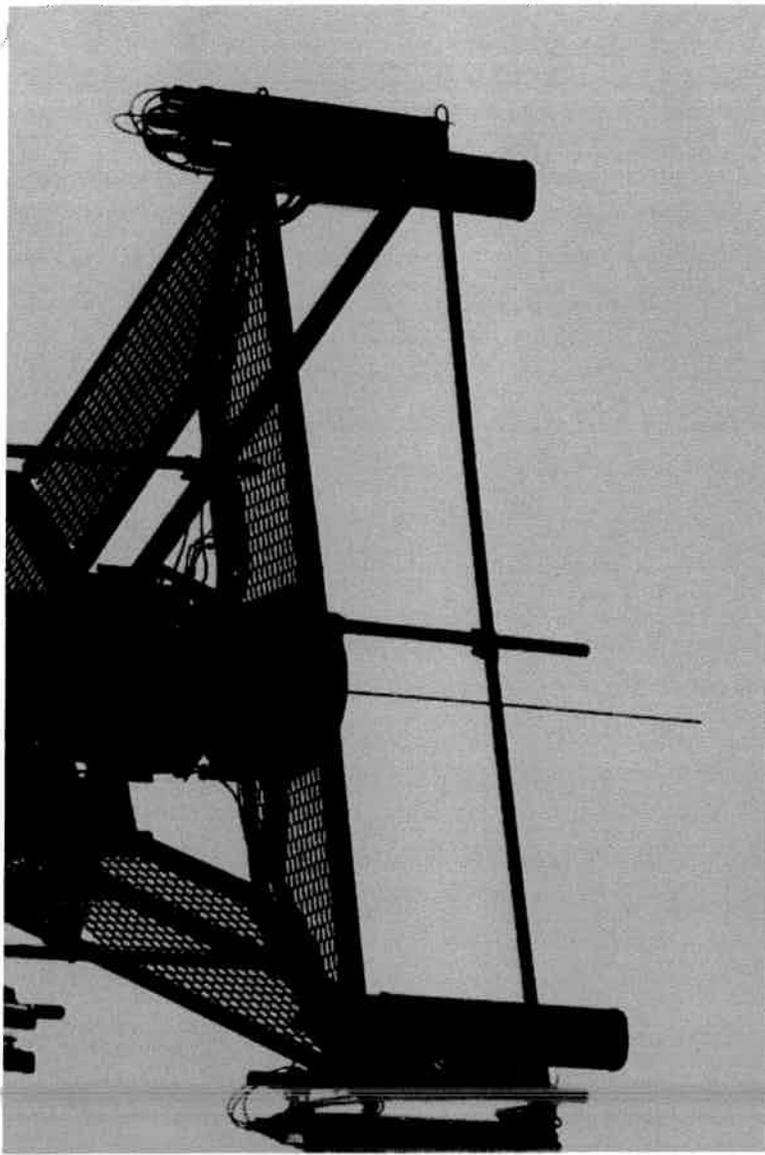
DETAIL 1509
NTS

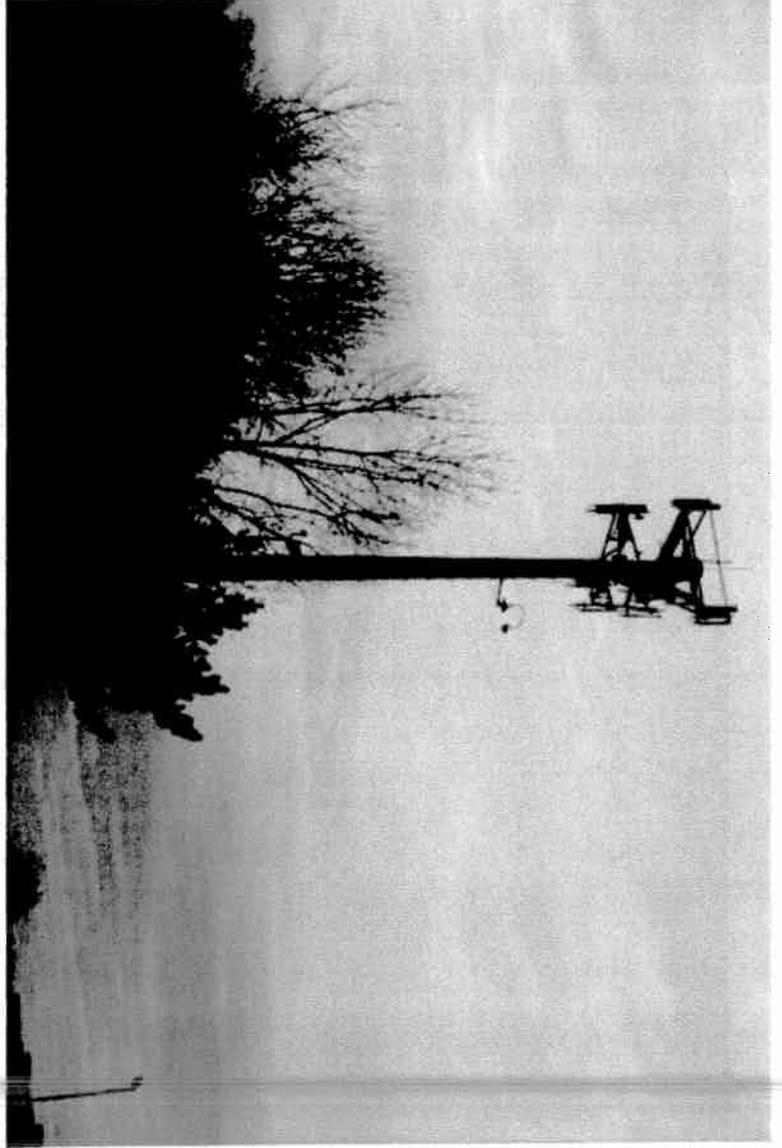
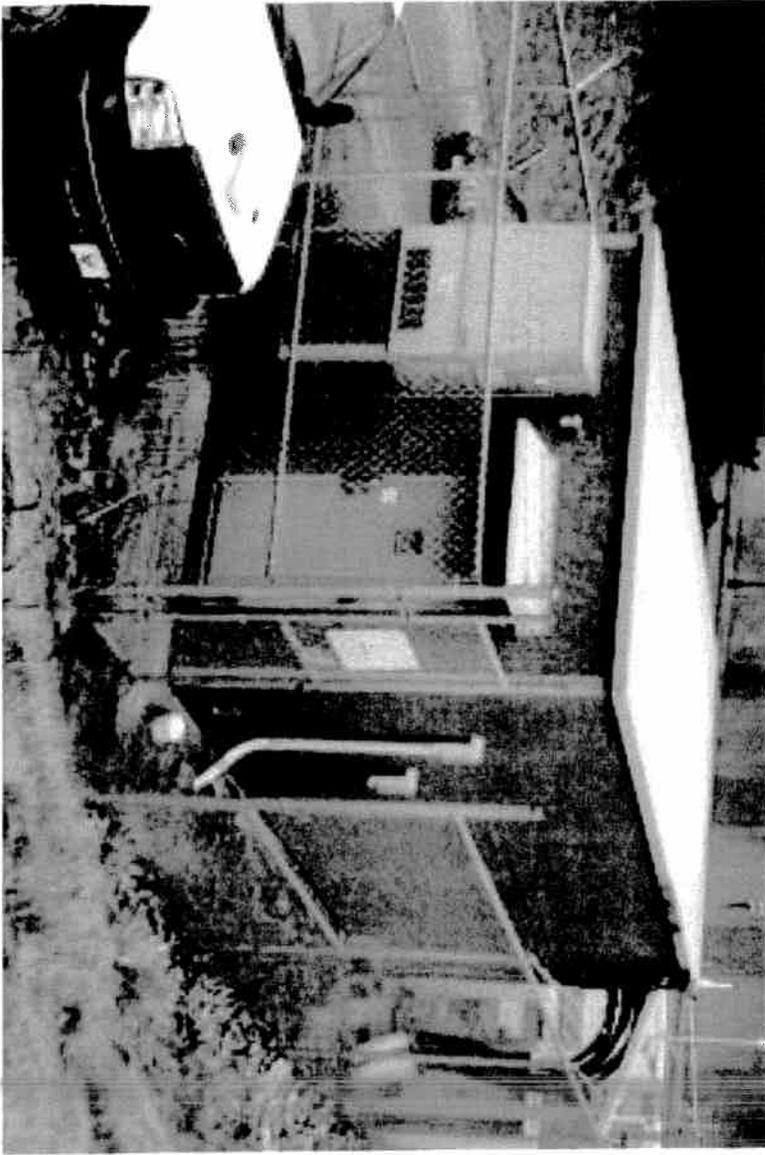


NO.	DATE	REVISIONS / RESUME	PREPARED BY	CHECKED BY	SCALE	STATUS
0	10/6/10	ISSUE FOR CONSTRUCTION	DAK	DAK	AS SHOWN	REVISED
1		REVISIONS / RESUME	BY	DATE	SCALE	STATUS



DATE	REVISIONS / RESUME	PREPARED BY	CHECKED BY	SCALE	STATUS
0		BY	DATE	SCALE	STATUS





May 2011 Cases - AT&T Requests, Telecommunications Facilities

All Cases	Address	Name of Project	Previous County Board or Administrative Actions?	Description of Work?	Zoning?	Height of Tallest Antenna Structure?	Antennas Located Where?
SP #28	5300 Columbia Pike	The Carlyle House	1.) Administrative Change approved 10/26/01; B0101544, Zoning Review. 2.) Administrative Change approved 6/28/06; B0601908, Zoning Review. 3.) Administrative Change approved 10/7/08; B0802725, Zoning Review.	Install three (3) new panel antennas on existing, unused mounts at the existing telecommunications facility. Additionally, one (1) equipment cabinet will be installed within the existing equipment room.	RA7-16	120' (no taller than existing penthouse structure).	Penthouse
SP #167	2121 Crystal Drive	Crystal Park, Office Building #2	1.) Administrative Change approved 6/9/00; B0002502, Zoning Review. 2.) B0103167, Zoning Review.	Install three (3) new panel antennas on existing mounts at the existing telecommunications facility. Additionally, one (1) new equipment cabinet and six (6) additional remote radio heads to aid in communication between antennas will be installed.	C-O-1.5	184' (no taller than existing penthouse structure).	Penthouse
U-3282-11-1	1900 Columbia Pike	Dorchester Apartments	1.) Administrative Change approved 5/6/06; B0601620, Zoning Review.	Install three (3) new antennas on existing rooftop sled mounts and one (1) additional equipment cabinet in an existing equipment pad also located on the roof.	RA6-15	68' (no taller than existing penthouse structure).	Free standing mounts on roof.
U-3283-11-1	1125 N Patrick Henry Dr	Westover Baptist Church	Administrative Change approved 4/19/05; B0502410, Zoning Review.	Replace three (3) panel antennas at the existing telecommunications facility. They will replace three (3) existing antennas and keep the total # of antennas at six (6). Additionally, one (1) equipment cabinet will be installed within the existing penthouse equipment space.	R-6	136' (no taller than existing antenna structures on steeple; antennas are mounted behind stealth enclosures).	On church steeple, behind stealth enclosures.
U-3285-11-1	Washington Blvd (I-66 @ Exit 68)	VDOT Right-of-Way	Not approved by the County Board or administratively reviewed. Monopole installed on VDOT right-of-way on 11/16/99.	Install three (3) panel antennas on existing mounts at the existing telecommunications facility. Additionally, one (1) new equipment frame will be installed within the existing equipment room.	S-3A	118' (no taller than existing monopole structure which is 118').	Monopole
U-3286-11-1	4102 Old Glebe Rd	Walker Chapel United Methodist Church	None Found.	Install (6) panel antennas on new mounts at the existing telecommunications facility. Three (3) existing antennas will be removed. Additionally, one (1) new equipment frame and one (1) new power cabinet will be installed in the existing equipment room.	S-3A / R-10	85' (no taller than existing panel antenna structures).	On church steeple area, behind windows.
U-3287-11-1	815 18th St S	Abingdon House Apartments	U-3232-09-1: Rooftop cellular phone equipment, 2 antennas per UP approval 12/12/09. B1001500, Zoning Review.	Install three (3) new panel antennas, on existing pipe mounts at the existing telecommunications facility. Additionally, an equipment frame will be installed within the existing equipment shelter.	RA6-15	80' (no taller than existing pipe mounts on roof of building).	Free standing mounts on roof.

U-3288-11-1	4020 Washington Blvd	Quinton Arms Apartments	Administrative change approved 7/10/08 to install 9 panel antennas fro AT&T; B0801722, Zoning Review.	Install three (3) panel antennas at the existing telecommunications facility. Additionally, two (2) platform mounted equipment cabinets will be installed on the existing rooftop.	RA8-18	62' 4" (on Penthouse Structure, shorter than penthouse height at 65') and 59' 4" (on chimney structure, shorter than chimney height at 65').	Penthouse and chimney structures.
U-3289-11-1	Fairfax Drive (I-66 @ Exit 71)	VDOT Right-of-Way	Not approved by the County Board or administratively reviewed. Monopole installed on VDOT right-of-way on 12/15/99.	Install three (3) panel antennas on existing mounts at the existing telecommunications facility. Additionally, one (1) new equipment frame will be installed within the existing equipment shelter.	S-3A	121' (no taller than existing monopole structure which is 126').	Monopole
U-3290-11-1	5115 Little Falls Rd	The Knights of Columbus	1.) Administrative Change approved 6/27/08 to install "stealth" cellular penthouse enclosure on roof top of existing building with 12 panel antennas and equipment compound on ground next to building with wood fence enclosure; B0801698, Zoning Review, 7/29/08 approval in zoning. 2.) U-3267-10-1: Vanderwaken (Clearwire Wireless) for telecommunications facility. Application was WITHDRAWN .	Install three (3) panel antennas on new mounts at the existing telecommunications facility. Additionally, two (2) new equipment cabinets will be installed on the existing rooftop equipment platform.	R-10	41' (no taller than existing stealth enclosure; antennas will be mounted behind the enclosure).	Behind stealth enclosure on roof of building.
U-3291-11-1	4401 Lee Hwy	Lorcom House Condominiums	U-3059-03-1: Cingular Wireless for telecommunications facility; U-3237-09-1: Clearwire Wireless for telecommunications facility (associated building permit, B1000251).	Install three (3) panel antennas at the existing telecommunications facility. Additionally, three (3) exterior equipment cabinets will be installed on the existing rooftop, equipment platform.	RA6-15	81' (no taller than existing panel antenna structures and penthouse).	Penthouse
U-3292-11-1	4241 Columbia Pike	Tanglewood Condominiums	U-3244-10-1: Clearwire Wireless for telecommunications facility (one antenna dish installed; associated with building permit, B1000519).	Install three (3) panel antennas on existing mounts at the existing telecommunications facility. Additionally, one (1) new equipment cabinet will be installed within the existing, fenced in equipment area.	RA8-18	63' 10" (no taller than existing penthouse structure).	Free standing mounts on roof.
U-3293-11-1	1415 N Oak St	Cavalier Apartments	Administrative Change approved 8/11/00; B0003182, Zoning Review (9 AT&T antennas).	Install three (3) panel antennas on new mounts at the existing telecommunications facility. Additionally, an equipment frame will be installed within the existing equipment room.	RA6-15	73' 5" (no taller than existing stealth enclosure on top of penthouse and chimney shoot; two (2) antennas are mounted behind stealth enclosure).	Chimney structure and on top of penthouse behind stealth enclosures.
U-3294-11-1	South Glebe Rd (I-395 @ Exit 7)	VDOT Right-of-Way	Not approved by the County Board or administratively reviewed. Monopole installed on VDOT right-of-way on 05/21/99.	Install three (3) panel antennas on existing mounts at the existing telecommunications facility. Additionally, one (1) new equipment frame will be installed within the existing equipment shelter.	S-3A	115' (no taller than existing monopole structure which is 115').	Monopole

U-3296-11-1	Lee Hwy (I-66 @ Exit 72)	VDOT Right-of-Way	Not approved by the County Board or administratively reviewed. Monopole installed on VDOT right-of-way on 03/17/99.	Install three (3) panel antennas on existing, unused mounts at the existing telecommunications facility. Additionally, an equipment frame will be installed within the existing equipment room.	S-3A	86' (no taller than existing mounts on monopole tower).	Monopole
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Marco Rivero

From: Rebecca Ballo
Sent: Wednesday, April 27, 2011 10:07 AM
To: Marco Rivero
Cc: Michael Leventhal; Marlene Oronao; Tom Miller
Subject: RE: U-3286-11-1 Use Permit Request

Hi Marco,

Just to recap our earlier conversation: the Walker Chapel, at 4102 North Glebe Road, is a locally designated historic district, designated by the County Board in 1978. All exterior changes to the buildings or grounds require a Certificate of Appropriateness from the HALRB. However, looking at the proposed plans, the antennas will be placed in the steeple, behind the windows. There will be no exterior mounting hardware or any exterior modifications to the building. In that case, a CoA is not necessary. The permits for the antennas will require HP staff sign off. Please let me know if you or the applicants have any other questions.

Best,

Rebecca Ballo, Preservation Planner
Department of Community Planning, Housing & Development
2100 Clarendon Boulevard, Ste. 700
Arlington, VA 22201

ph: 703-228-3812
fax: 703-228-3834



Please consider the environment before printing this email.

From: Marco Rivero
Sent: Tuesday, April 26, 2011 11:53 AM
To: Rebecca Ballo
Cc: Michael Leventhal; Marlene Oronao
Subject: U-3286-11-1 Use Permit Request

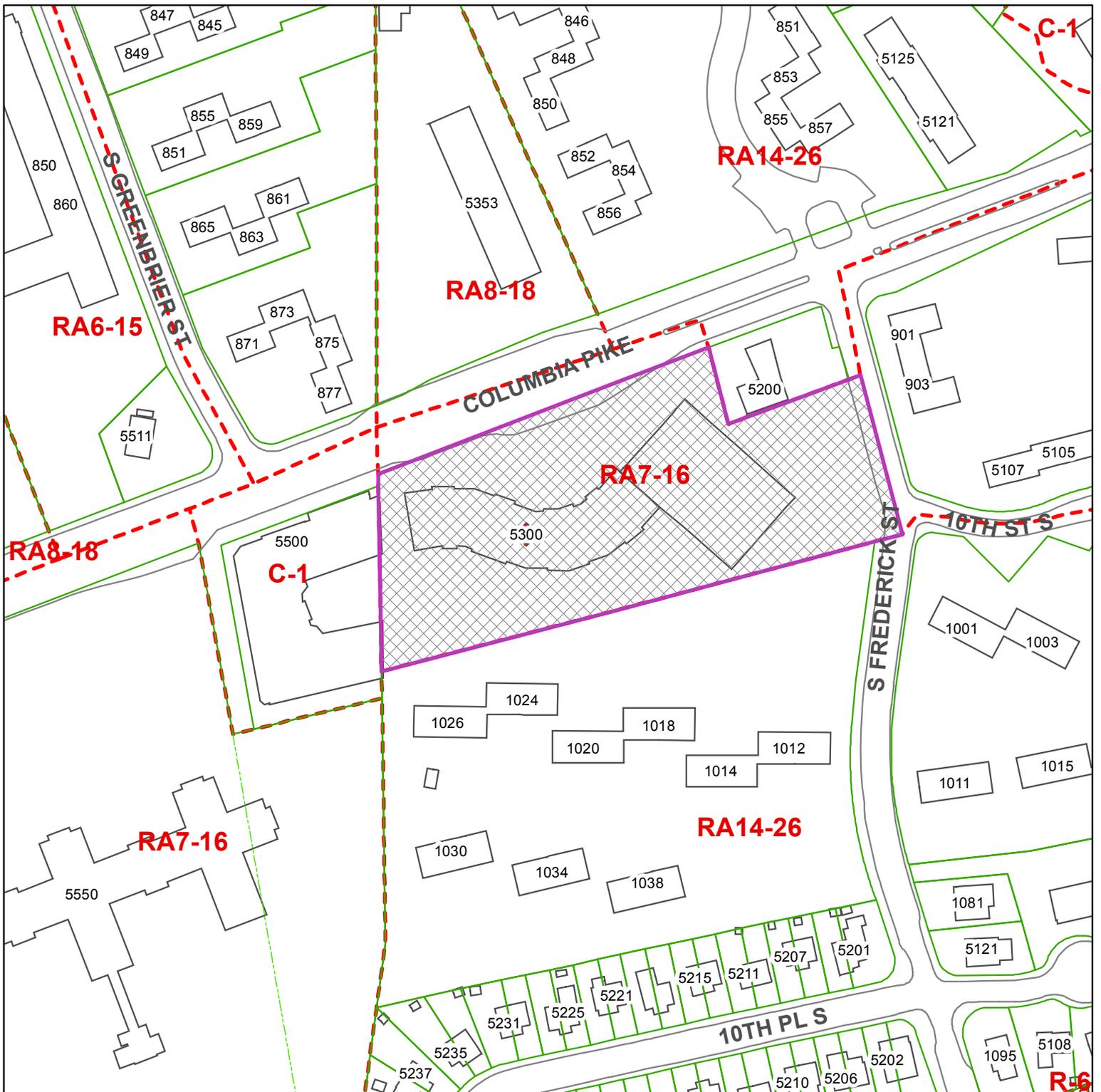
Hi Rebecca,

I was made aware by Tom that I should check with Neighborhood Services regarding this request. The applicant, AT&T, would like to install 3 new antennas on new mounts that will replace 3 existing antennas on the steeple of this church. The antennas are located behind the windows of the steeple structure. There are currently a total of 6 antennas on this location, so the only change will be the replacement of 3 existing antennas with 3 new ones. The plans show this in greater detail (pages 14-16 of the PDF attachment). Do you foresee any issues with this request? Thanks!

Marco

Marco Antonio Rivero
Planner I - DCPHD, Current Planning

04/27/2011



SP #28

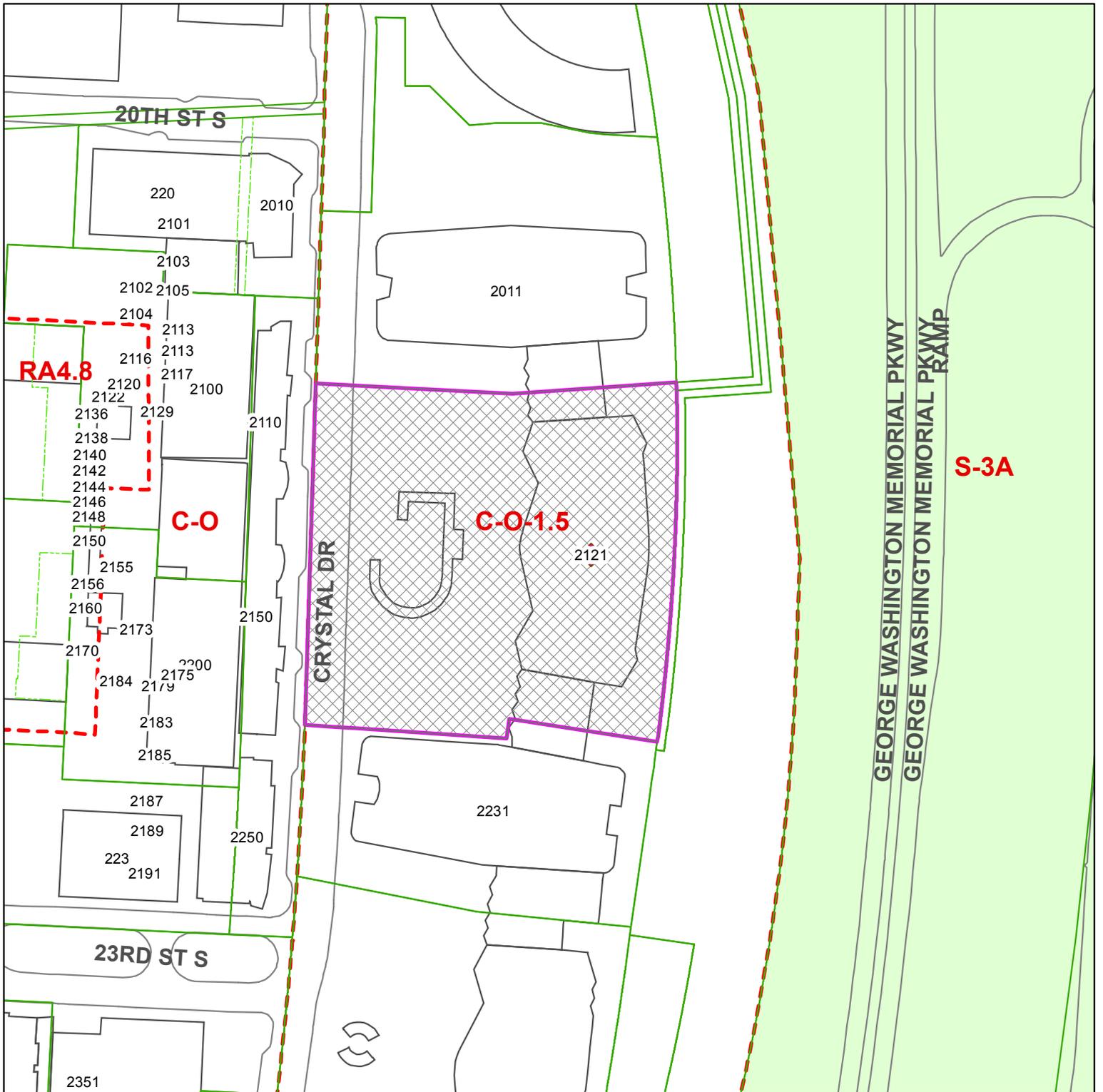
5300 Columbia Pike

RPC: 28-004-072 thru -121



 Case Location(s)
 Scale: 1:2,000

Note: These maps are for property location assistance only. They may not represent the latest survey and other information.



SP #167

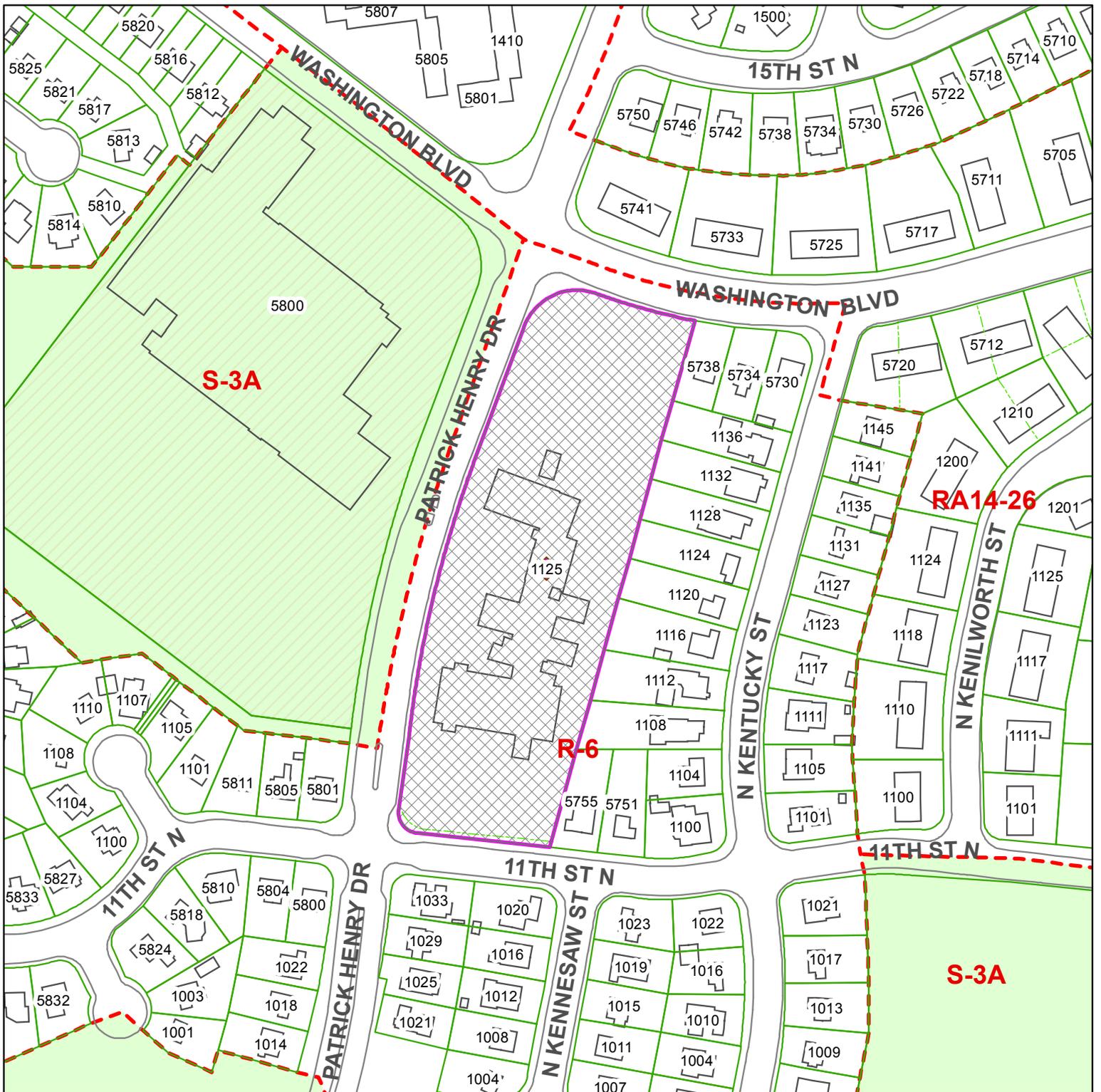
2121 Crystal Drive

RPC: 34-020-234



 Case
 Location(s)
 Scale: 1:2,000

Note: These maps are for property location assistance only.
 They may not represent the latest survey and other information.



U-3283-11-1

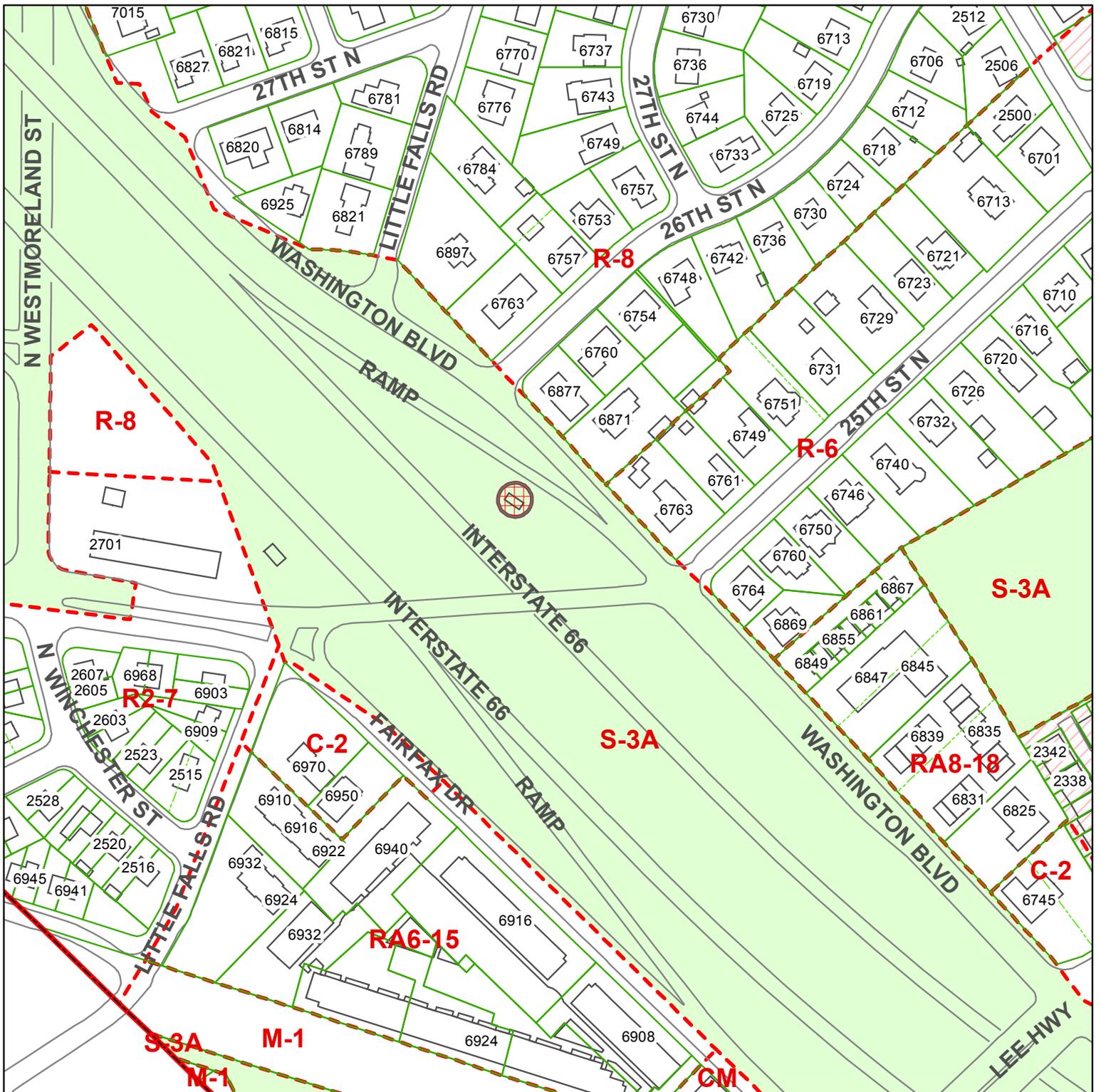
1125 Patrick Henry Drive

RPC: 09-067-001



 Case
 Location(s)
 Scale: 1:2,000

Note: These maps are for property location assistance only.
 They may not represent the latest survey and other information.

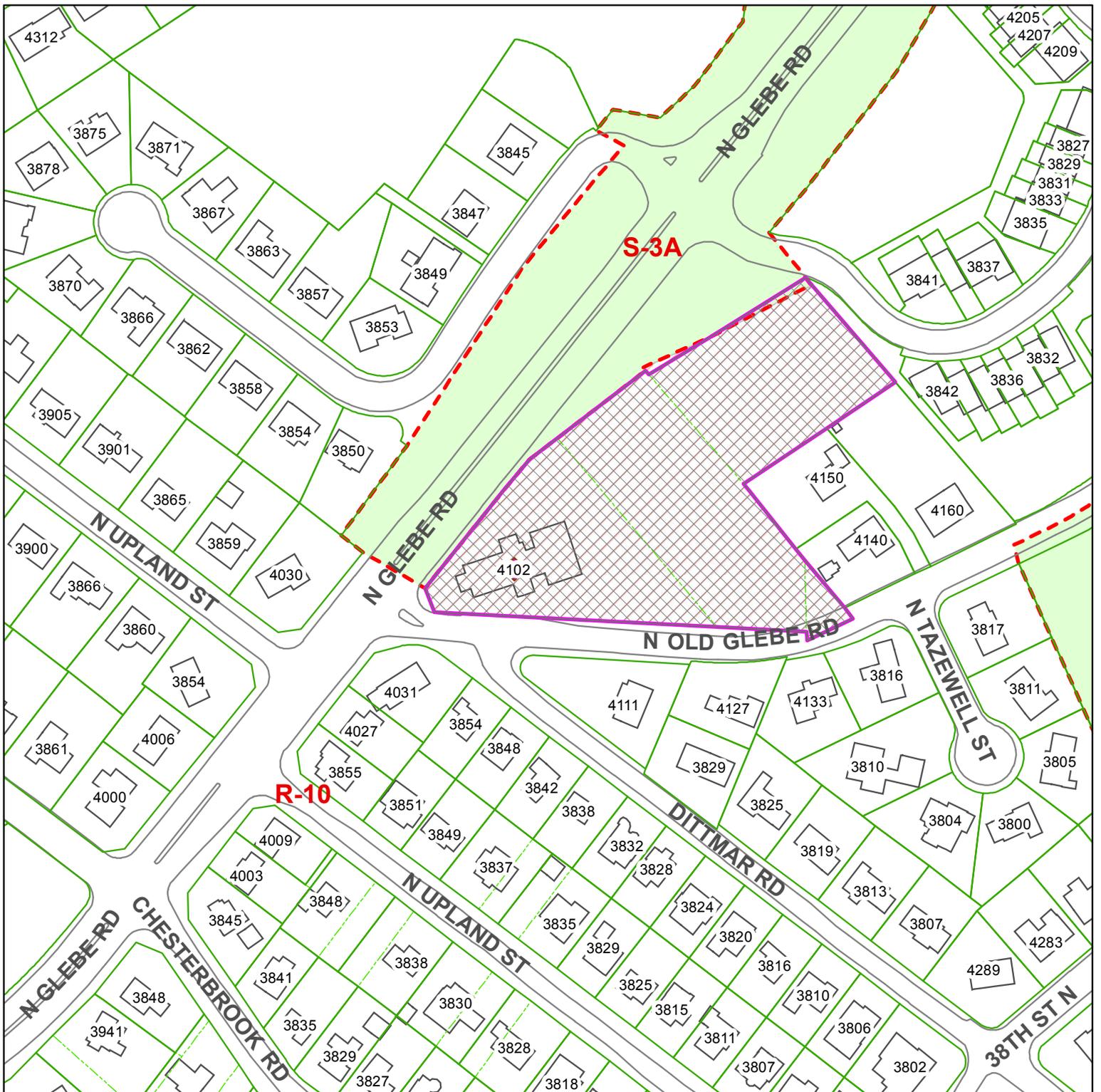


U-3285-11-1

VDOT right-of-way at Washington Boulevard (on ramp to I-66 eastbound, at Exit 68)

 Case Location(s)
 Scale: 1:2,400

Note: These maps are for property location assistance only. They may not represent the latest survey and other information.



U-3286-11-1

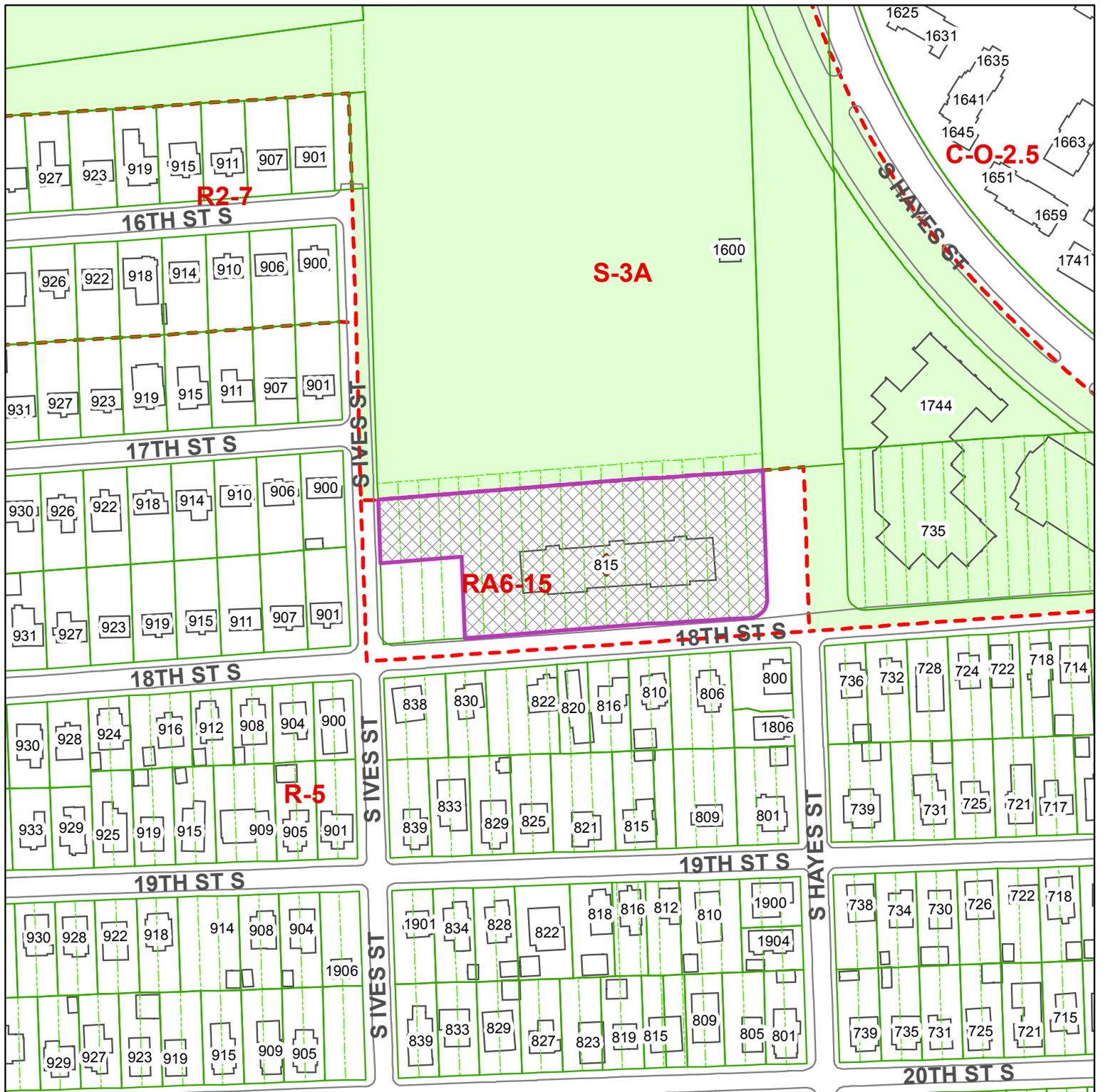
4102 Old Glebe Road

RPC: 03-066-001



 Case
 Location(s)
 Scale: 1:2,000

Note: These maps are for property location assistance only.
 They may not represent the latest survey and other information.



U-3287-11-1

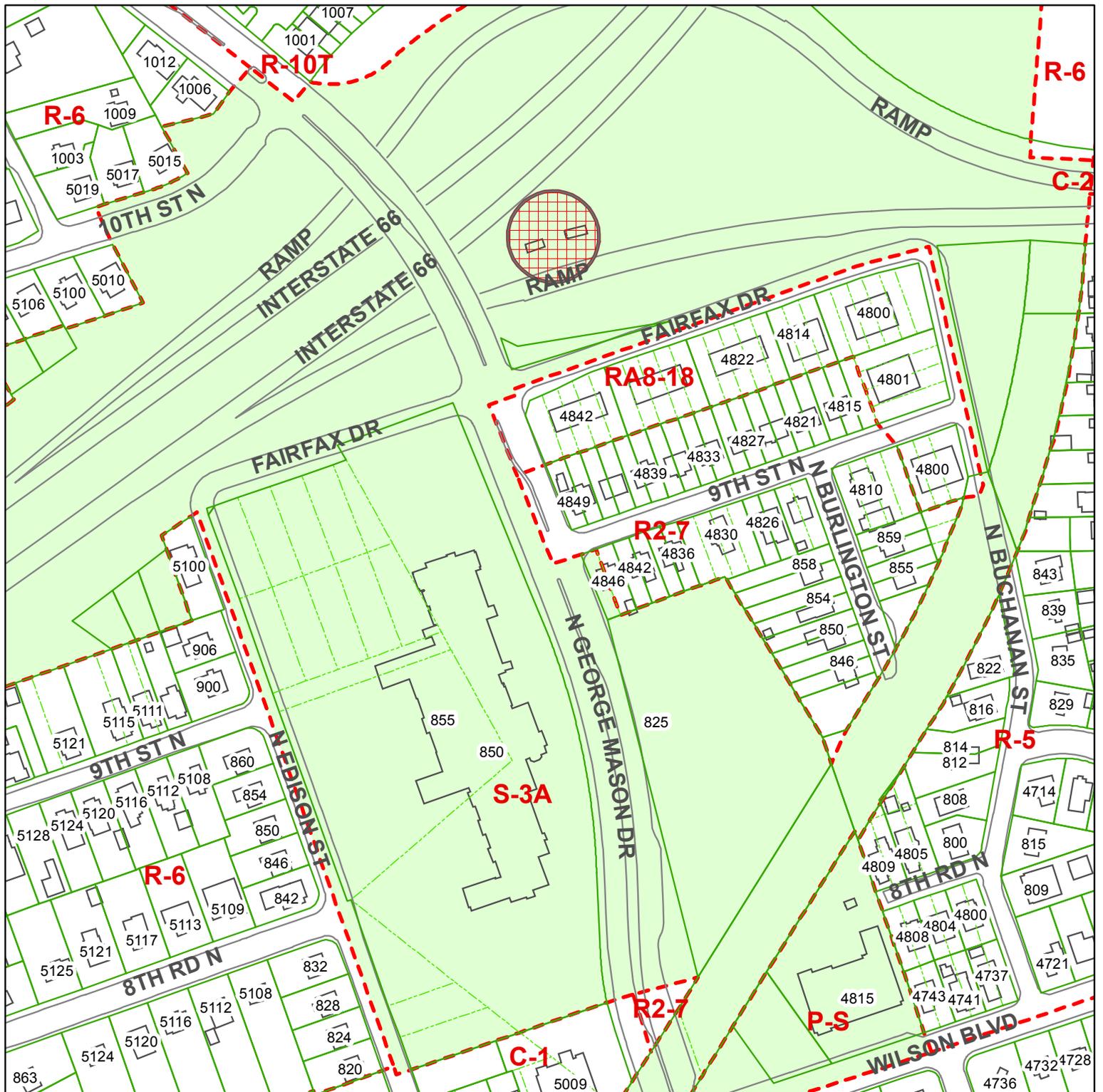
815 18th St S

RPC: 35-005-002



 Case Location(s)
 Scale: 1:2,000

Note: These maps are for property location assistance only. They may not represent the latest survey and other information.

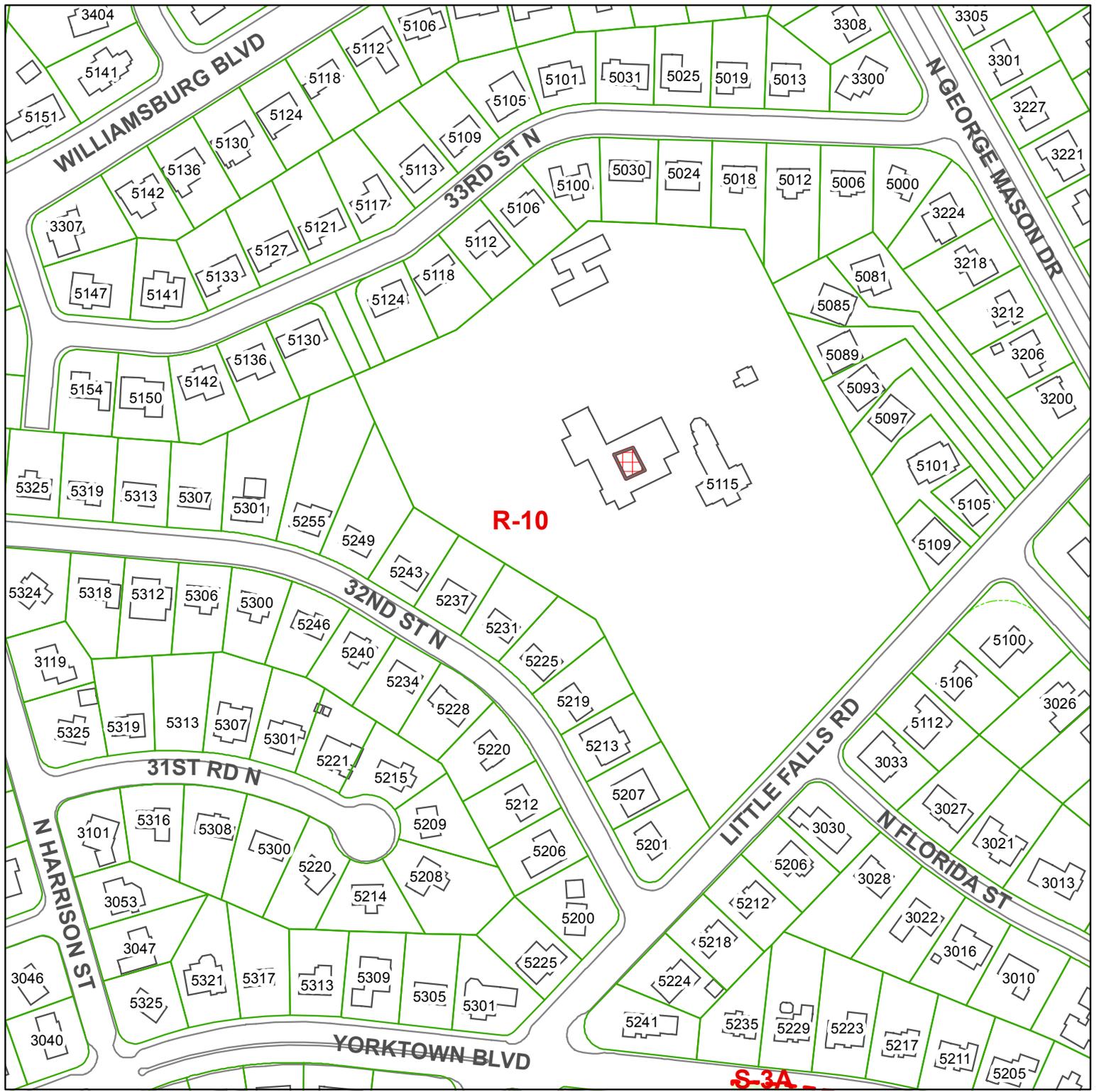


U-3289-11-1

VDOT right -of-way at Fairfax Dr (I -66 at Exit 71)

 Case Location(s)
 Scale: 1:2,400

Note: These maps are for property location assistance only. They may not represent the latest survey and other information.

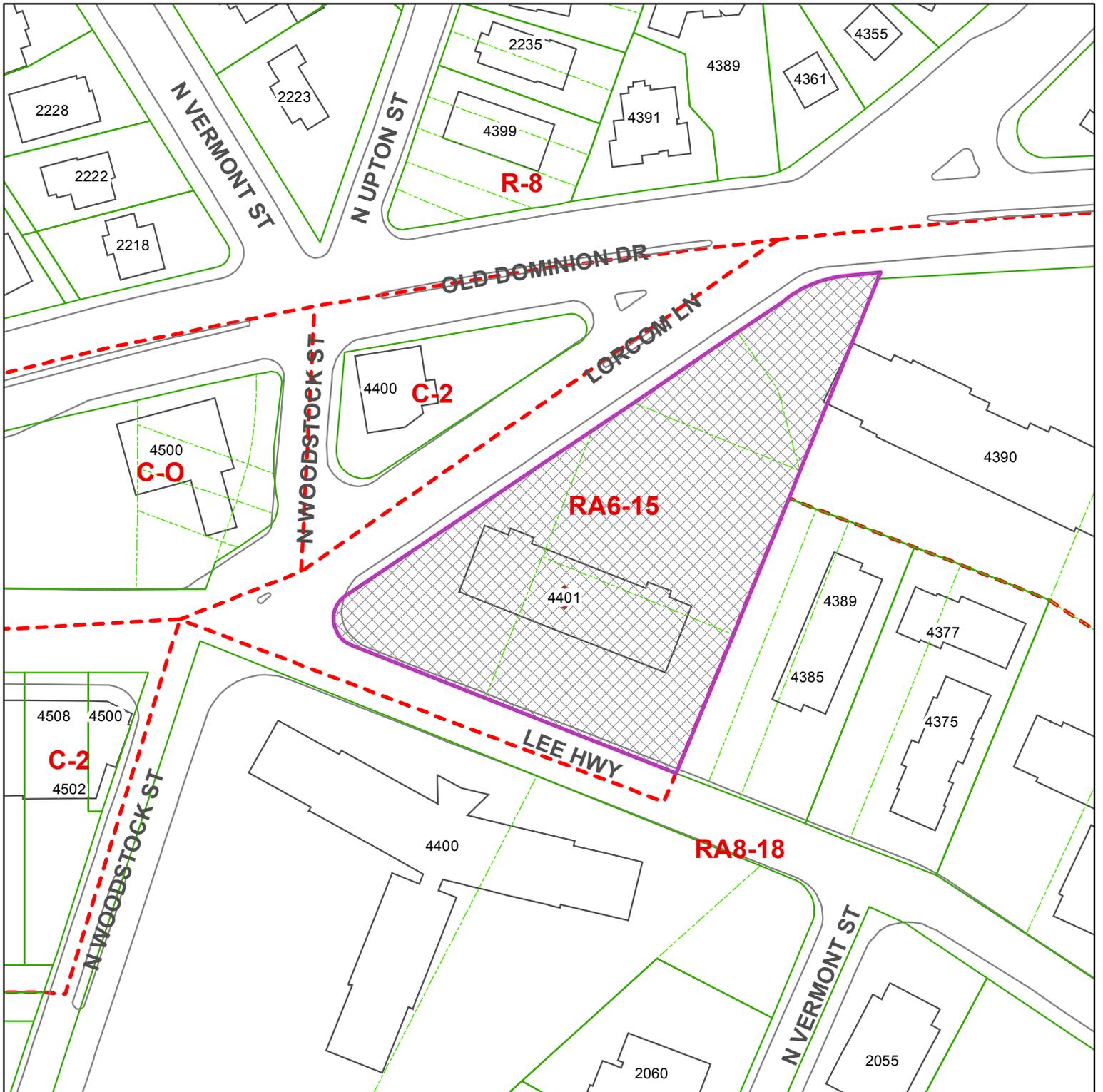


U-3290-11-1:

5115 Little Falls Road
 RPC: 02-024-027

 Case
 Location(s)
 Scale: 1:2,400

Note: These maps are for property location assistance only.
 They may not represent the latest survey and other information.



U-3291-11-1

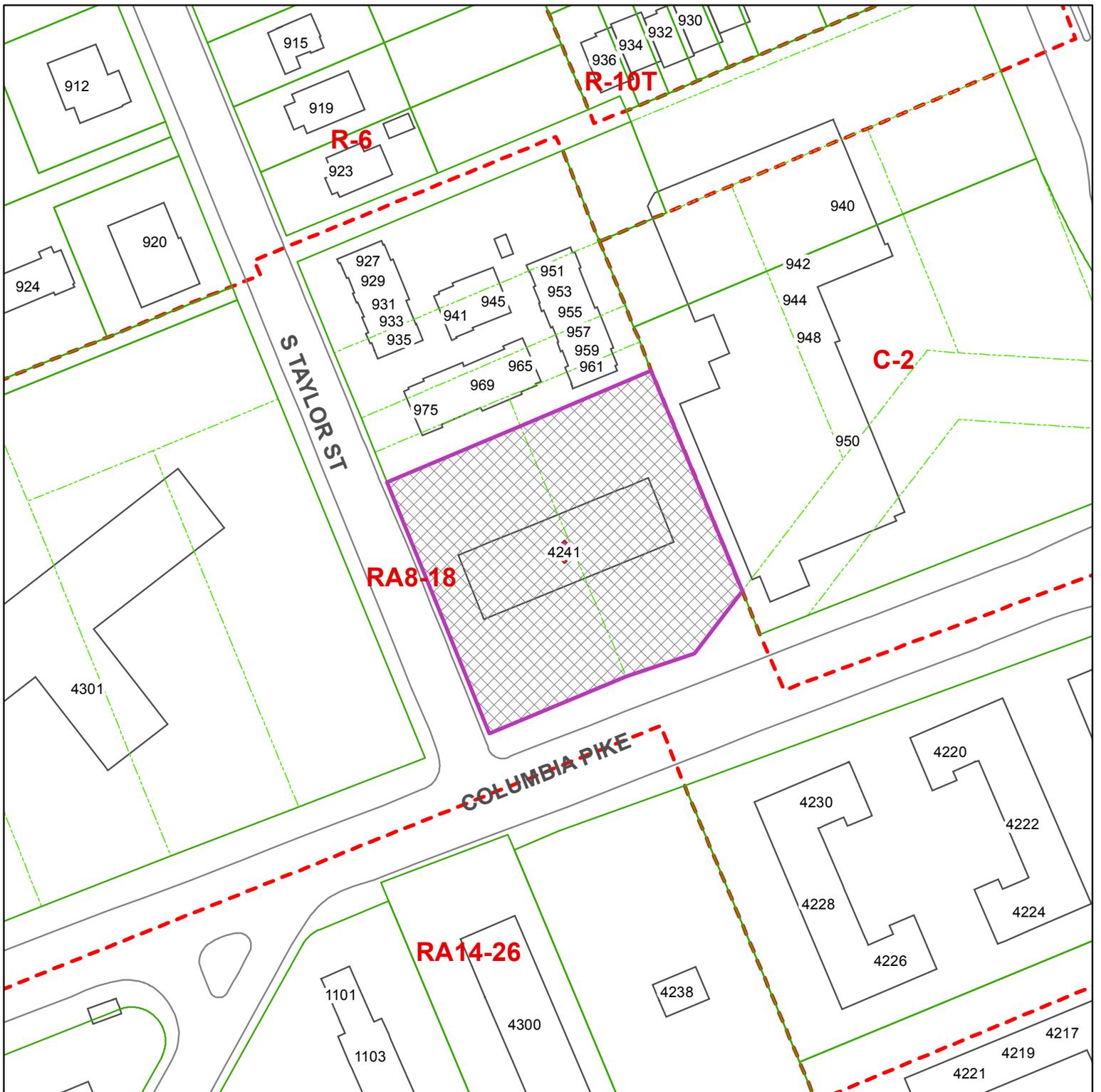
4401 Lee Highway

RPC: 07-001-022 thru -081



 Case
 Location(s)
 Scale: 1:1,200

Note: These maps are for property location assistance only.
 They may not represent the latest survey and other information.



U-3292-11-1

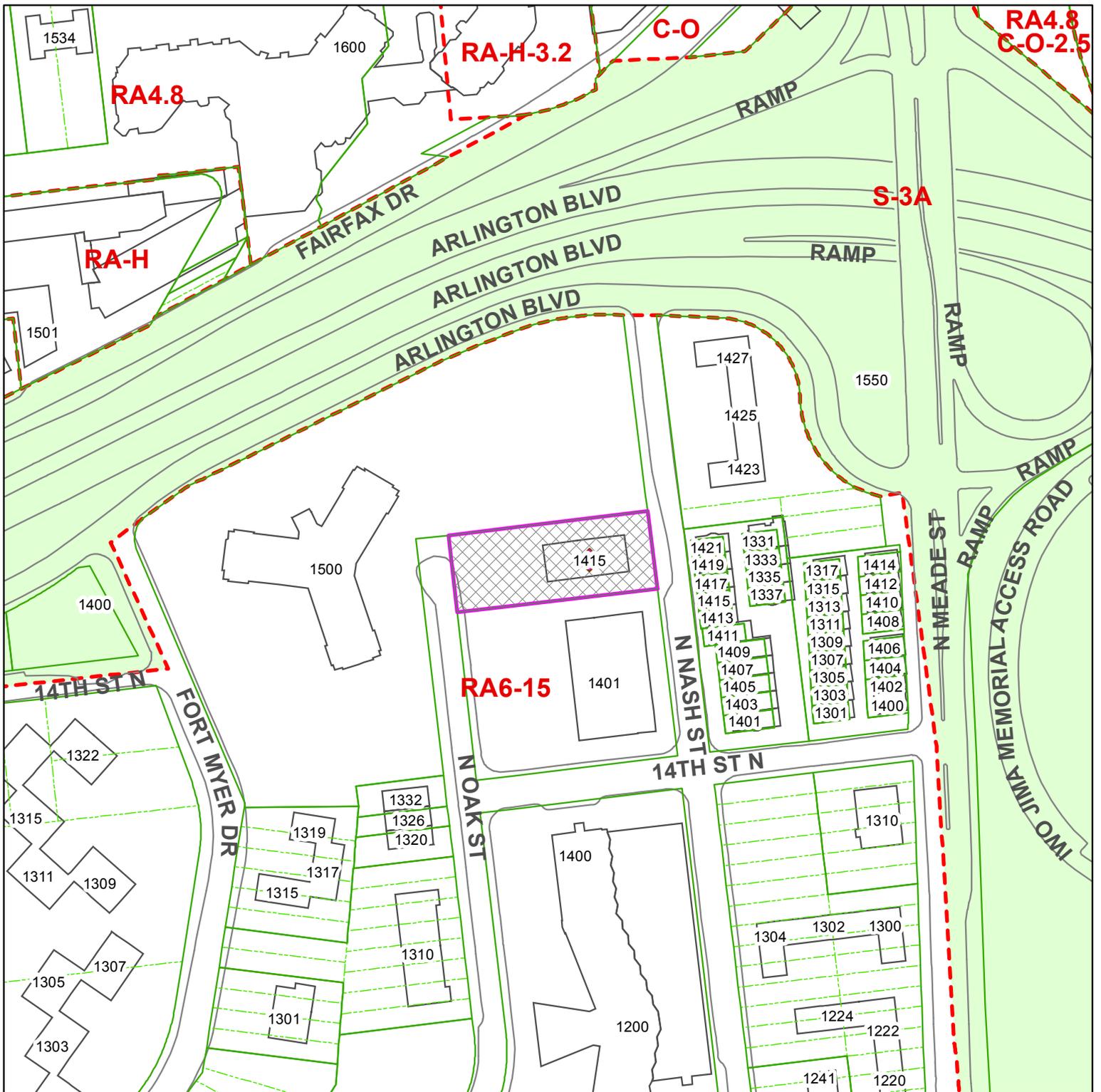
4241 Columbia Pike

RPC: 23-034-100 thru -143



 Case Location(s)
 Scale: 1:1,200

Note: These maps are for property location assistance only. They may not represent the latest survey and other information.



U-3293-11-1

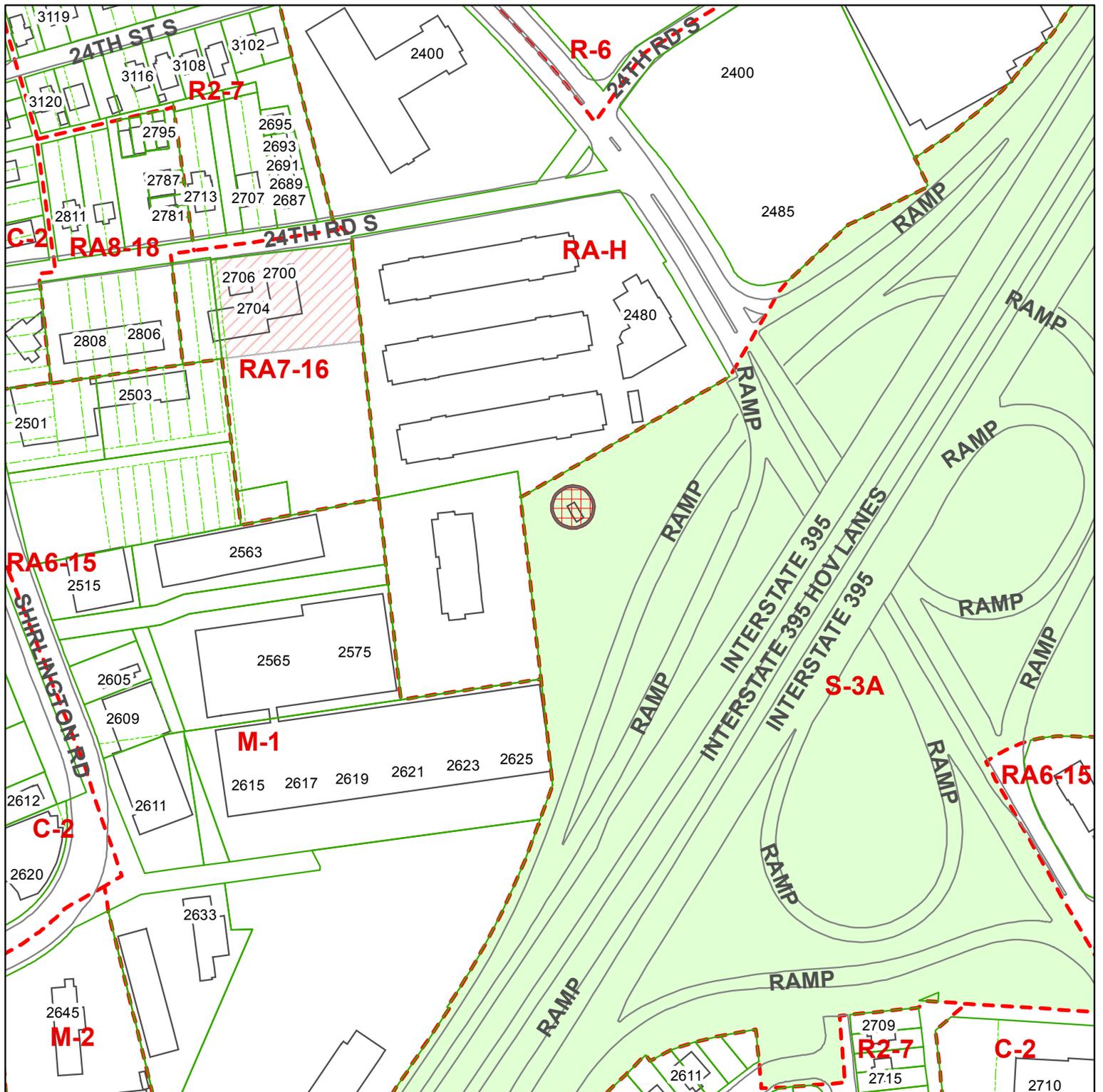
1415 N Oak St

RPC: 17-032-010



 Case Location(s)
 Scale: 1:2,000

Note: These maps are for property location assistance only. They may not represent the latest survey and other information.

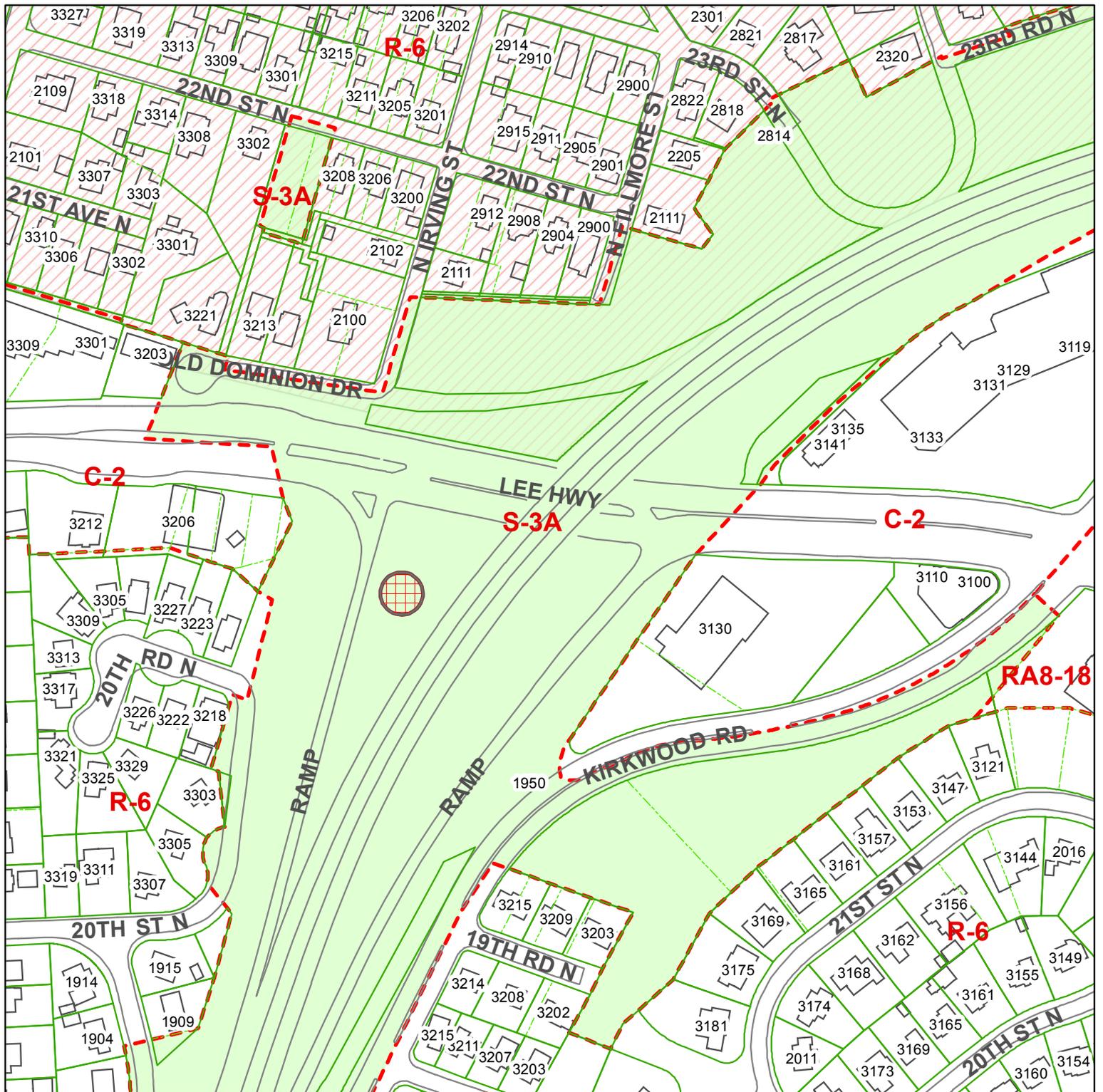


U-3294-11-1:

VDOT right-of-way at South Glebe Road and Henry G. Shirley Memorial Highway (I-395 at Exit 7)

 Case Location(s)
 Scale: 1:2,400

Note: These maps are for property location assistance only. They may not represent the latest survey and other information.

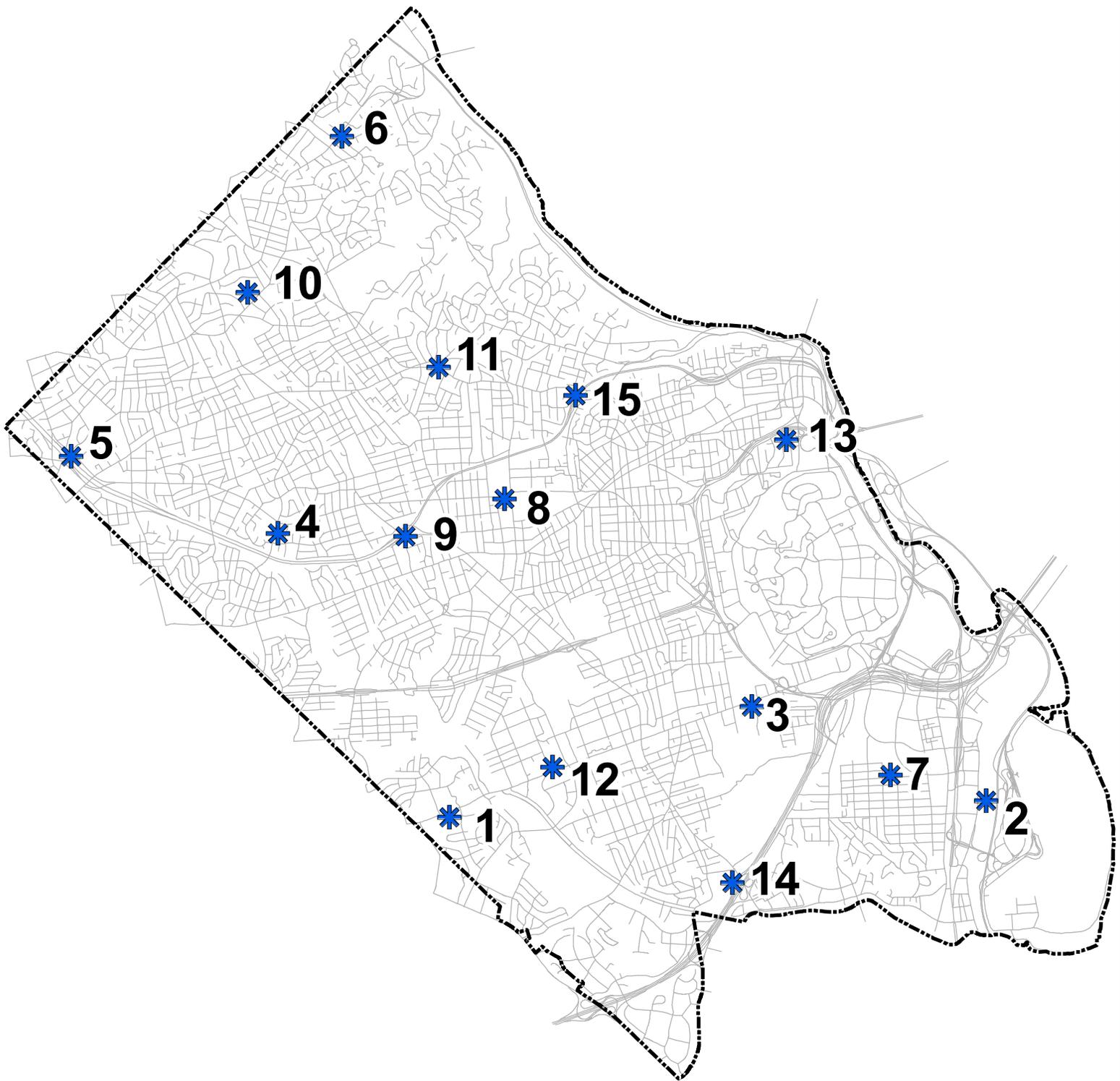


U-3296-11-1:

VDOT right-of-way at Lee Highway (on ramp to I-66 westbound at Exit 72)

 Case
 Location(s)
 Scale: 1:2,400

Note: These maps are for property location assistance only.
 They may not represent the latest survey and other information.



- | | | | |
|----------------|-------------------------|-----------------|----------------------|
| 1. SP #28 | 5300 Columbia Pike | 9. U-3289-11-1 | I-66 at Fairfax Dr |
| 2. SP #167 | 2121 Crystal Dr | 10. U-3290-11-1 | 5115 Little Falls Rd |
| 3. U-3282-11-1 | 1900 Columbia Pike | 11. U-3291-11-1 | 4401 Lee Hwy |
| 4. U-3283-11-1 | 1125 N Patrick Henry Dr | 12. U-3292-11-1 | 4241 Columbia Pike |
| 5. U-3285-11-1 | I-66 at Wash Blvd Ramp | 13. U-3293-11-1 | 1415 N Oak St. |
| 6. U-3286-11-1 | 4102 N Glebe Rd | 14. U-3294-11-1 | 2480 S Glebe Rd |
| 7. U-3287-11-1 | 815 18th St S | 15. U-3296-11-1 | I-66 at Lee Hwy. |
| 8. U-3288-11-1 | 4020 Washington Blvd. | | |