



**Location**

201 South Gammon Road

**Project Name**

Cingular Wireless at Memorial High School

**Applicant**

Doug Pearson – MMSD/  
Bryan Lzuka – SAC Wireless

**Existing Use**

Memorial High School Athletic Fields

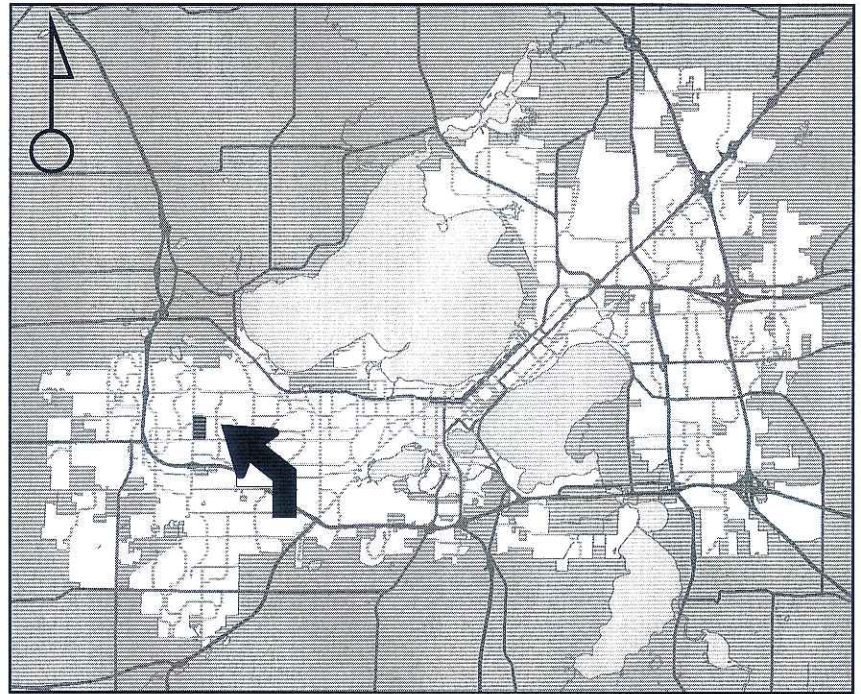
**Proposed Use**

Cellular Tower

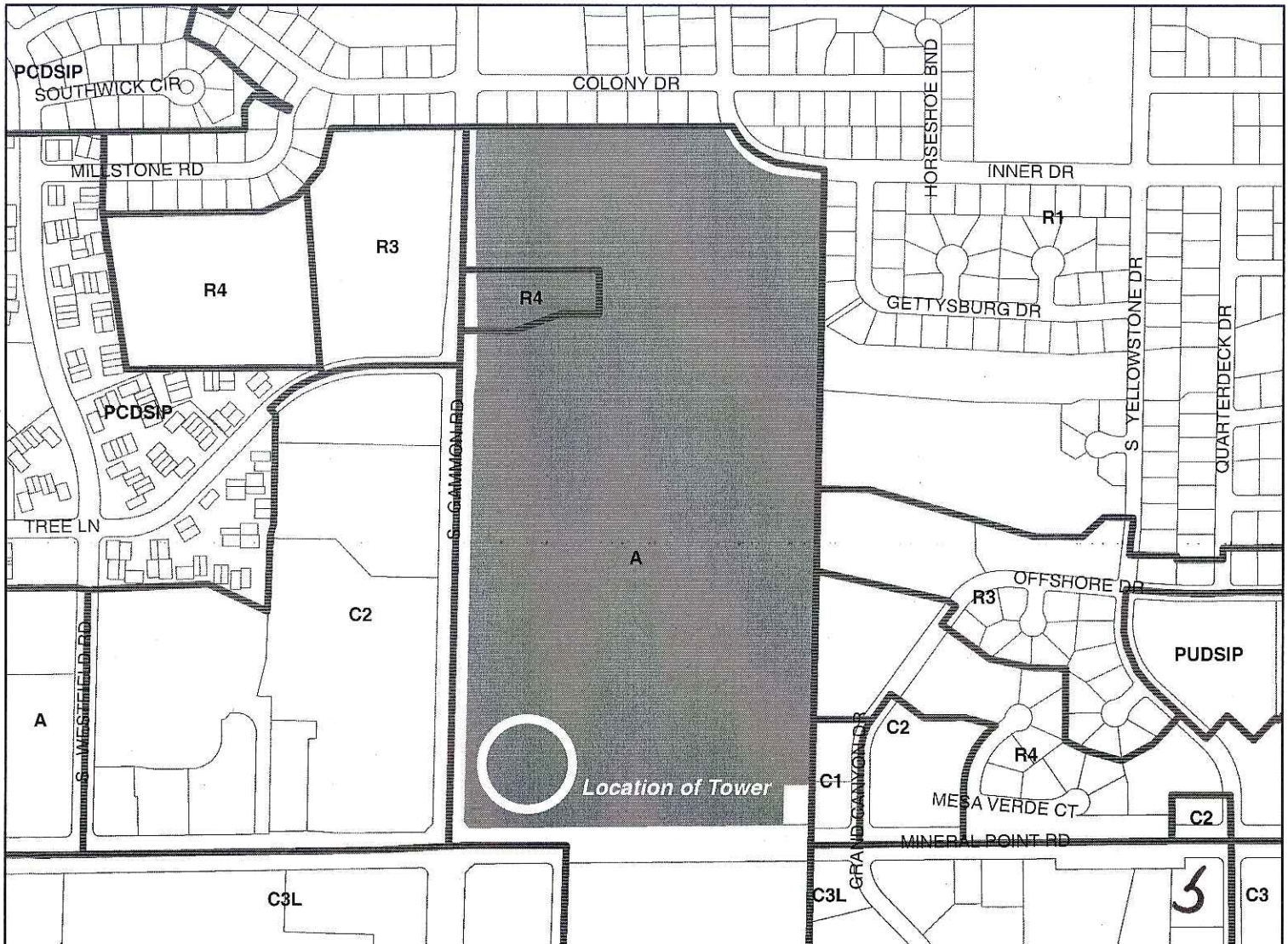
**Public Hearing Date**

Plan Commission

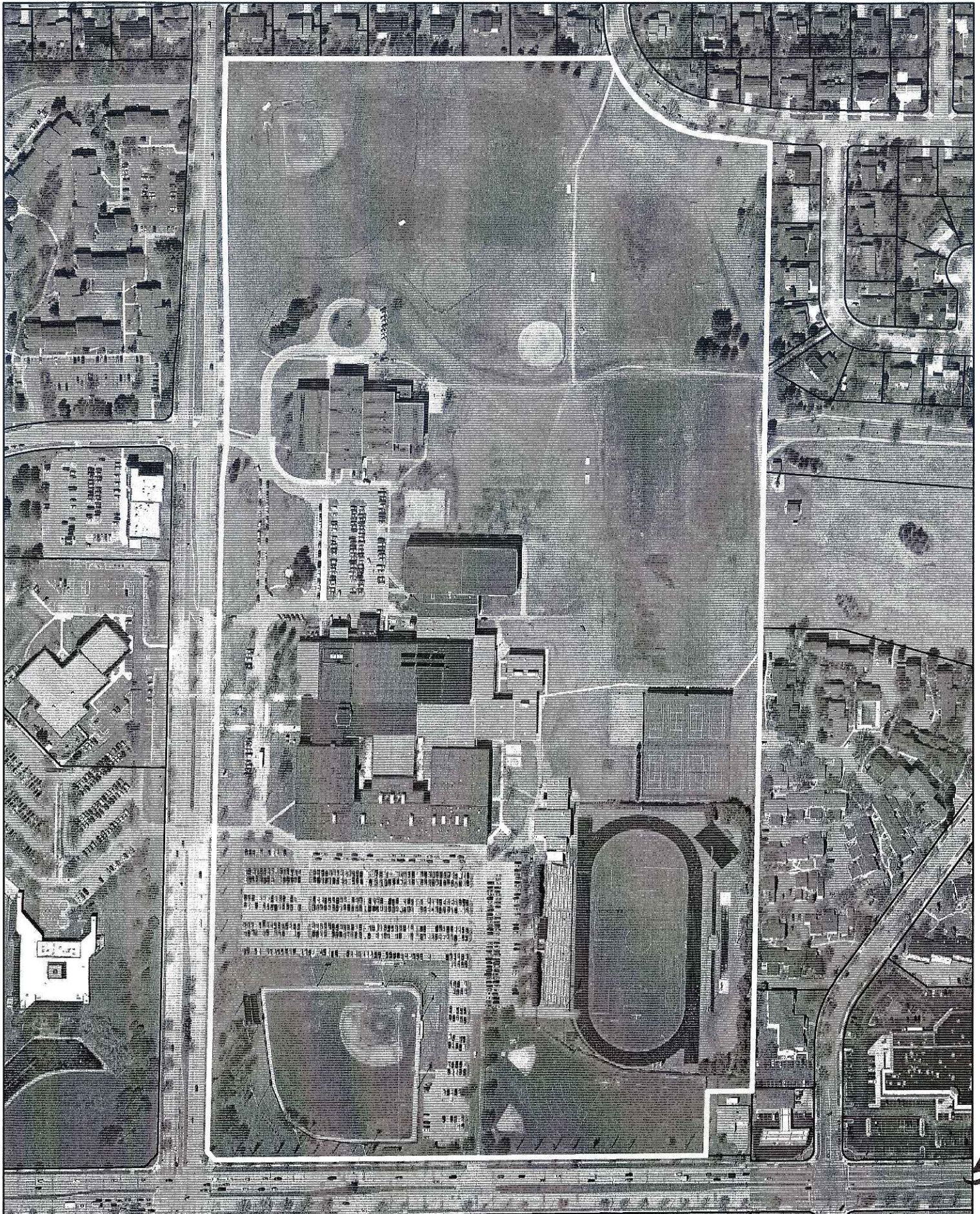
06 August 2007



For Questions Contact: Tim Parks at: 261-9632 or [tparks@cityofmadison.com](mailto:tparks@cityofmadison.com) or City Planning at 266-4635







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# LAND USE APPLICATION Madison Plan Commission

215 Martin Luther King Jr. Blvd; Room LL-100  
PO Box 2985; Madison, Wisconsin 53701-2985  
Phone: 608.266.4635 | Facsimile: 608.267.8739

- The following information is required for all applications for Plan Commission review.
- Please read all pages of the application completely and fill in all required fields.
- This application form may also be completed online at [www.cityofmadison.com/planning/plan.html](http://www.cityofmadison.com/planning/plan.html)
- All zoning application packages should be filed directly with the Zoning Administrator's desk.
- All applications will be reviewed against the applicable standards found in the City Ordinances to determine if the project can be approved.

## FOR OFFICE USE ONLY:

82508

Amt. Paid \$ 550 Receipt No. 81125  
 Date Received 6-8-07  
 Received By KAU  
 Parcel No. 0708.243-0099-4  
 Aldermanic District 19 - Mark Clear  
 GQ exist. cu. - UDC  
 Zoning District R-4  
**For Complete Submittal**  
 Application  Letter of Intent   
 IDUP NA Legal Descript. NA  
 Plan Sets NA Zoning Text NA  
 Alder Notification  Waiver   
 Ngrbrd. Assn Not.  Waiver   
 Date Sign Issued 5-8-07

**1. Project Address:** 201 South Gammon Road **Project Area in Acres:** .02 acre

**Project Title (if any):** Cingular Wireless communications facility at James Madison Memorial High School

**2. This is an application for:** (check at least one)

Zoning Map Amendment (check only ONE box below for rezoning and fill in the blanks accordingly)

Rezoning from \_\_\_\_\_ to \_\_\_\_\_  Rezoning from \_\_\_\_\_ to PUD/PCD-SIP

Rezoning from \_\_\_\_\_ to PUD/PCD-GDP  Rezoning from PUD/PCD-GDP to PUD/PCD-SIP

Conditional Use  Demolition Permit  Other Requests (Specify): \_\_\_\_\_

**3. Applicant, Agent & Property Owner Information:**

Applicant's Name: Dana Kerr Company: SAC Wireless (consultant for Cingular)  
 Street Address: 9011 West Hawthorne Lane City/State: Franklin, WI Zip: 53132  
 Telephone: (     ) 403-6838 Fax: (     ) \_\_\_\_\_ Email: KerrConsulting@msn.com

Project Contact Person: Bryan Lzuka Company: SAC Wireless  
 Street Address: 655 First Bank Drive City/State: Palantine, IL Zip: 60067  
 Telephone: ( 847 ) 833-1154 Fax: ( 847 ) 991-5707 Email: Bryan.Lazuka@sacw.com

Property Owner (if not applicant): Madison Metropolitan School District, Doug Pearson  
 Street Address: 4711 Pflaum Road City/State: Madison, WI Zip: 53718

**4. Project Information:**

Provide a general description of the project and all proposed uses of the site: Construction of unmanned wireless communications facility for Cingular Wireless. Facility will be capable of co-location for future communication carriers

Development Schedule: Commencement Summer 2007 Completion 45 days

CONTINUE →

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**5. Required Submittals:**

- Site Plans** submitted as follows below and depicts all lot lines; existing, altered, demolished or proposed buildings; parking areas and driveways; sidewalks; location of any new signs; existing and proposed utility locations; building elevations and floor plans; landscaping, and a development schedule describing pertinent project details:
  - **Seven (7) copies** of a full-sized plan set drawn to a scale of one inch equals 20 feet (collated and folded)
  - **Seven (7) copies** of the plan set reduced to fit onto 11 inch by 17 inch paper (collated, stapled and folded)
  - **One (1) copy** of the plan set reduced to fit onto 8 ½ inch by 11 inch paper
- Letter of Intent: Twelve (12) copies** describing this application in detail but not limited to, including: existing conditions and uses of the property; development schedule for the project; names of persons involved (contractor, architect, landscaper, business manager, etc.); types of businesses; number of employees; hours of operation; square footage or acreage of the site; number of dwelling units; sale or rental price range for dwelling units; gross square footage of building(s); number of parking stalls, etc.
- Legal Description of Property:** Lot(s) of record or metes and bounds description prepared by a land surveyor.
- Filing Fee:** \$ 550.00 See the fee schedule on the application cover page. Make checks payable to: *City Treasurer.*

**IN ADDITION, THE FOLLOWING ITEMS MAY ALSO BE REQUIRED WITH YOUR APPLICATION; SEE BELOW:**

- For any applications proposing demolition of existing (principal) buildings, photos of the structure(s) to be demolished shall be submitted with your application. Be advised that a *Reuse and Recycling Plan* approved by the City's Recycling Coordinator is required to be approved by the City prior to issuance of wrecking permits.
- A project proposing **ten (10) or more dwelling units** may be required to comply with the City's Inclusionary Zoning requirements outlined in Section 28.04 (25) of the Zoning Ordinance. A separate **INCLUSIONARY DWELLING UNIT PLAN** application detailing the project's conformance with these ordinance requirements shall be submitted concurrently with this application form. Note that some IDUP materials will coincide with the above submittal materials.
- A *Zoning Text* must accompany **all** Planned Community or Planned Unit Development (PCD/PUD) submittals.

**FOR ALL APPLICATIONS:** All applicants are required to submit copies of all items submitted in hard copy with their application (including this application form, the letter of intent, complete plan sets and elevations, etc.) as **INDIVIDUAL** Adobe Acrobat PDF files compiled either on a non-returnable CD to be included with their application materials, or in an e-mail sent to [pcapplications@cityofmadison.com](mailto:pcapplications@cityofmadison.com). The e-mail shall include the name of the project and applicant. Applicants who are unable to provide the materials electronically should contact the Planning Unit at (608) 266-4635 for assistance.

**6. Applicant Declarations:**

- Conformance with adopted City plans:** Applications shall be in accordance with all adopted City of Madison plans:
 

→ *The site is located within the limits of* \_\_\_\_\_ *Plan, which recommends:*

\_\_\_\_\_ *for this property.*

- Pre-application Notification:** Section 28.12 of the Zoning Ordinance requires that the applicant notify the district alder and any nearby neighborhood or business associations by mail no later than **30 days** prior to filing this request:
 

→ *List below the Alderperson, Neighborhood Association(s), Business Association(s) AND dates you sent the notices:*

Mark Clear was notified April 2007, Neighborhood meeting held December 2006 coordinated by the school board

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*If the alder has granted a waiver to this requirement, please attach any such correspondence to this form.*

- Pre-application Meeting with staff:** Prior to preparation of this application, the applicant is required to discuss the proposed development and review process with Zoning Counter and Planning Unit staff; note staff persons and date.
 

Planner \_\_\_\_\_ Date \_\_\_\_\_ | Zoning Staff Ron Towle Date April 07

**The signer attests that this form has been completed accurately and all required materials have been submitted:**

Printed Name Dana Kerr Date May 8, 2007

Signature *Dana Kerr* Relation to Property Owner DIRECTOR, BUILDING SERVICES, MMSD

Authorizing Signature of Property Owner *Doug Kerr* Date 5/8/07



June 20, 2007

City of Madison Planning and Community and Economic Development  
215 Martin Luther King Jr. Blvd, Suite LL100  
Madison, WI 53703

Re: Cingular Wireless Conditional Use Application for placement of communications facility at Madison Memorial High School located at 201 South Gammon Road.

Dear Planning Commission Members;

Summary of Intent

Please submit this formal proposal by Cingular Wireless Services to your proper committees for review. This specific project is an attempt to improve and upgrade the company's existing coverage in the Madison area. . Specifically, there are capacity issues as a result of the large mall, additional commercial retail areas and high school campus. The installation will be designed, so that two additional telecommunications carriers would have the opportunity to locate on the proposed monopole design. This exact site was approved by the City of Madison Planning Commission for AT&T Wireless (now Cingular) on March 3, 2003 but the Conditional Use Permit was encumbered with a requirement that was not part of the communications facility.

Existing and Proposed Use of the Property

The existing use of this specific property owned by the Madison Metropolitan School District is the James Madison Memorial High School and athletic fields. The address of the property is 201 South Gammon Road containing approximately 70 acres.

The proposed use it to install an unmanned communications facility at the Southwest corner of the Mansfield stadium athletic field, directly south of the bandstand. This location would utilize the existing Mansfield stadium fenced area and enclose an area for the communications facility. A portion of this area is used for shot putt and discus track and field events and therefore Madison Metropolitan School District does not want additional trees on the South fence line. The Madison Metropolitan School property presently has 13 stadium poles ranging in height from 75' to 110'. The communications facility would include:

- 1) 110' monopole structure designed for 2 additional communications carriers
- 2) Cingular Wireless will install 6 panel style antennas ( 6' tall and 1' wide) at 110'
- 3) 11'5" x 20' Shelter with aggregate rock exterior placed on cement pad
- 4) Installation of chain link fence with barb wire and diagonal green slats for screening. The proposed fencing would connect to existing fencing at the stadium.
- 5) Landscaping plan to include 6' tall evergreen trees (15 trees); this is in addition to the existing trees to the East of the proposed communications facility.
- 6) Plantings on the Southwest and East fencing in the form of 30" tall Boston Ivy
- 7) Leased area is 1,150 square feet which includes ground space for potential additional communications carriers.



Schedule of Development

This wireless communications facility upon receipt of the proper city approvals would be scheduled to commence construction during the summer months. Construction would be coordinated with the city and Madison Metropolitan School District as to the exact time frames. The school district has reviewed and approved the site plans submitted with the Conditional Use Application. The School Board approved the facility on April 8, 2007.

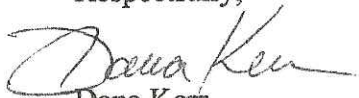
Reason for Facility and Property Suitability for Structure

In general, Cingular Wireless strives to locate their communications facilities on existing structures. The summary of Cingular Wireless' existing sites in Dane County indicates nearly 27 rooftops or water tanks have been utilized for Cingular communications facilities. The ability to utilize existing structures is dependent upon the availability of structures with adequate height and the flexibility of the wireless communications coverage area. Cingular also attempts to co-locate with other carriers as much as possible. This specific design constructs a monopole structure amid the existing 13 stadium and athletic field light poles that range in height from 75-110". This communications facility also generates substantial income to the school district. Photo renderings representing the view of the proposed facility from each direction are attached to this letter. The photo renderings demonstrate the proximity of this proposed 110' monopole to the existing light standards at Mansfield Stadium.

Other locations evaluated in the area for this facility included the Famous Footwear building and the Bank building on Gammon Road.

We look forward to working with the City of Madison to address any concerns or comments. Please feel free to contact the parties below by its representative. Thank you for your consideration of this project.

Respectfully,



Dana Kerr  
Site Acquisition/ Zoning  
SAC Wireless consultant  
414-403-6838

Bryan Lazuka  
Project Manager  
SAC Wireless  
847-833-1154

Doug Venega  
RF Engineer  
Cingular Wireless  
414-688-2423

Attachments: Site Plans (survey, legal, elevations), photo renderings



**Madison Metropolitan School District  
Madison, Wisconsin**

**Art Rainwater, Superintendent**

**BOARD OF EDUCATION  
Minutes for Regular Meetings  
April 9, 2007**

**Doyle Administration Building  
545 West Dayton Street, Auditorium  
Madison, Wisconsin**

**I CALL TO ORDER**

The Board of Education meeting was called to order by President Johnny Winston, Jr. at 7:20 p.m.

MEMBERS PRESENT: Carol Carstensen, Lucy Mathiak, Ruth Roberts, Arlene Silveira, Shwaw Vang, Johnny Winston, Jr.

MEMBERS ABSENT: Lawrie Kobza

STUDENT REPRESENTATIVE PRESENT: Jacinth Sohi/Joe Carlsmith

STAFF PRESENT: Mary Gulbrandsen, Steve Hartley, Kurt Kiefer, Pam Nash, Doug Pearson, Roger Price, Art Rainwater, Marcia Standiford, Ken Syke, Barbara Lehman-Recording Secretary

LEGAL COUNSEL PRESENT: Attorney Clarence Sherrod

OTHERS PRESENT: Maya Cole, Beth Moss

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**C Other Financial Transactions**

1 It was moved by Carol Carstensen and seconded by Arlene Silveira that the Board authorize Legal Counsel to use an additional \$1,750 for a total of \$3,750 from the litigation settlement fund to settle a worker's compensation case. Student Representative advisory vote was aye. Motion unanimously carried by those present.

2 It was moved by Carol Carstensen and seconded by Arlene Silveira that the Board accept a donation from the Glenn Stephens Parent-Teacher Organization (PTO) in the amount of \$12, 270 for the purchase and installation of several pieces of playground equipment. Student Representative advisory vote was aye. Motion unanimously carried by those present.

3 It was moved by Carol Carstensen and seconded by Ruth Robarts that all grants and other donations received by the MMSD since March 5, 2007 be approved. Student Representative advisory vote was aye. Motion unanimously carried.

 4 It was moved by Carol Carstensen and seconded by Shwaw Vang that the contract from Cingular Wireless for a cellular tower at Memorial High School be approved for an option amount of \$2,000/year, a lease amount of \$1,800/month, and a term of 5 years, renewable for one term. Student Representative advisory vote was aye. Motion unanimously carried by those present.

5 It was moved by Carol Carstensen and seconded by Arlene Silveira that the contract from U.S. Cellular for a cellular tower at West High School be approved for an option amount of \$1,000/year, a lease amount of \$2,000/month, and a term of 5 years, renewable for two terms. Student Representative advisory vote was aye. Motion unanimously carried by those present.

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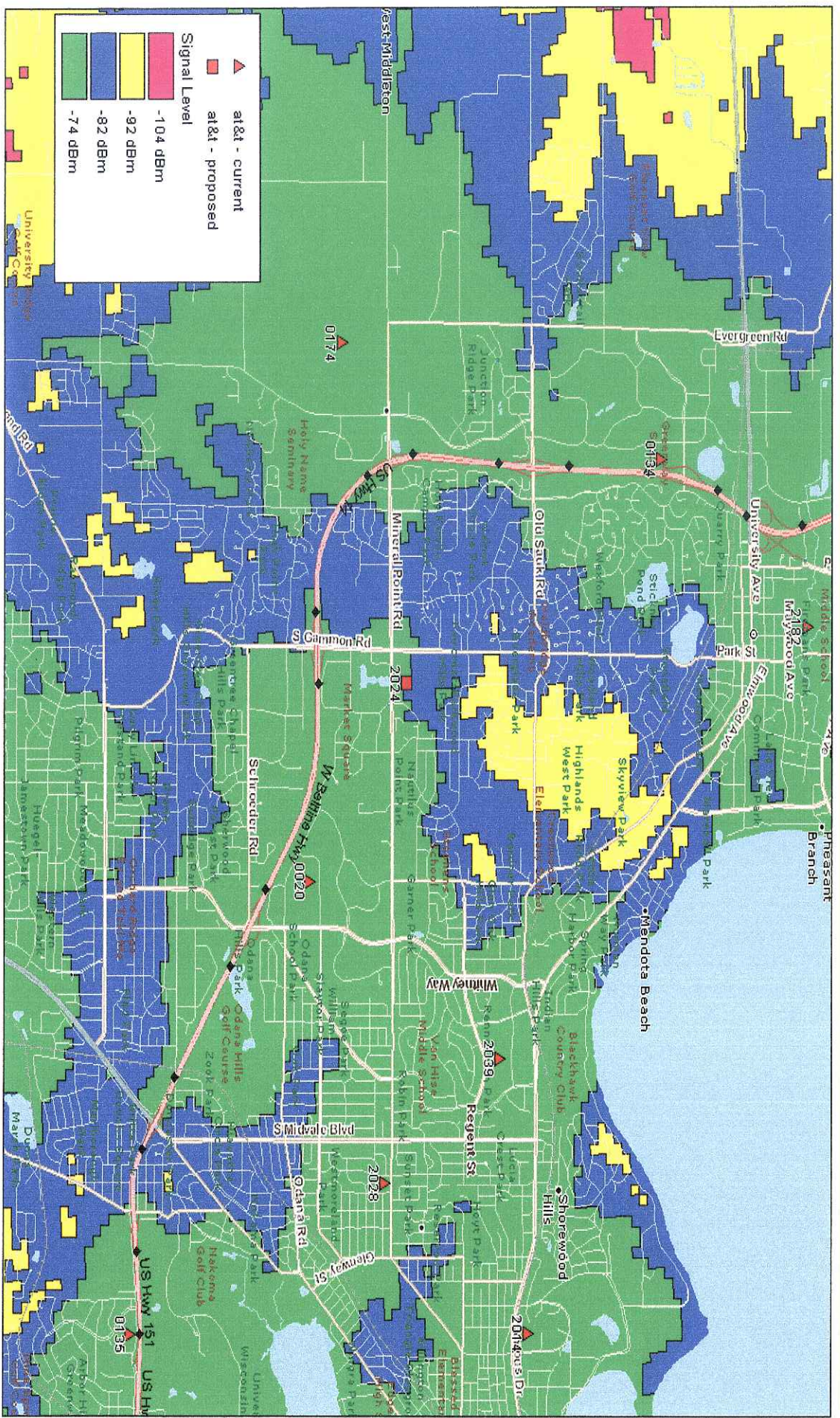


# Market endorsement of new site location

- at&t objective:
  - To provide coverage in and around the West Towne Mall, James Madison Memorial High School, and a large number of area businesses including several hotels and restaurants.
  - Location/demographic information:
    - Madison, Wisconsin, with its population of 208,000, is the second largest city in Wisconsin. The University of Wisconsin calls Madison home, and the city is 77 miles away from Milwaukee. Outdoor activities, distinctive cultural amenities, and fine restaurants and shopping make Madison an enjoyable place to visit or live. The city is surrounded by five lakes and boasts over 200 parks for an incredible array of cross-country skiing, biking, sailing, ice fishing, hiking, and snow sailing. It's a city that combines aspects of urban vibrancy with small-town friendliness.



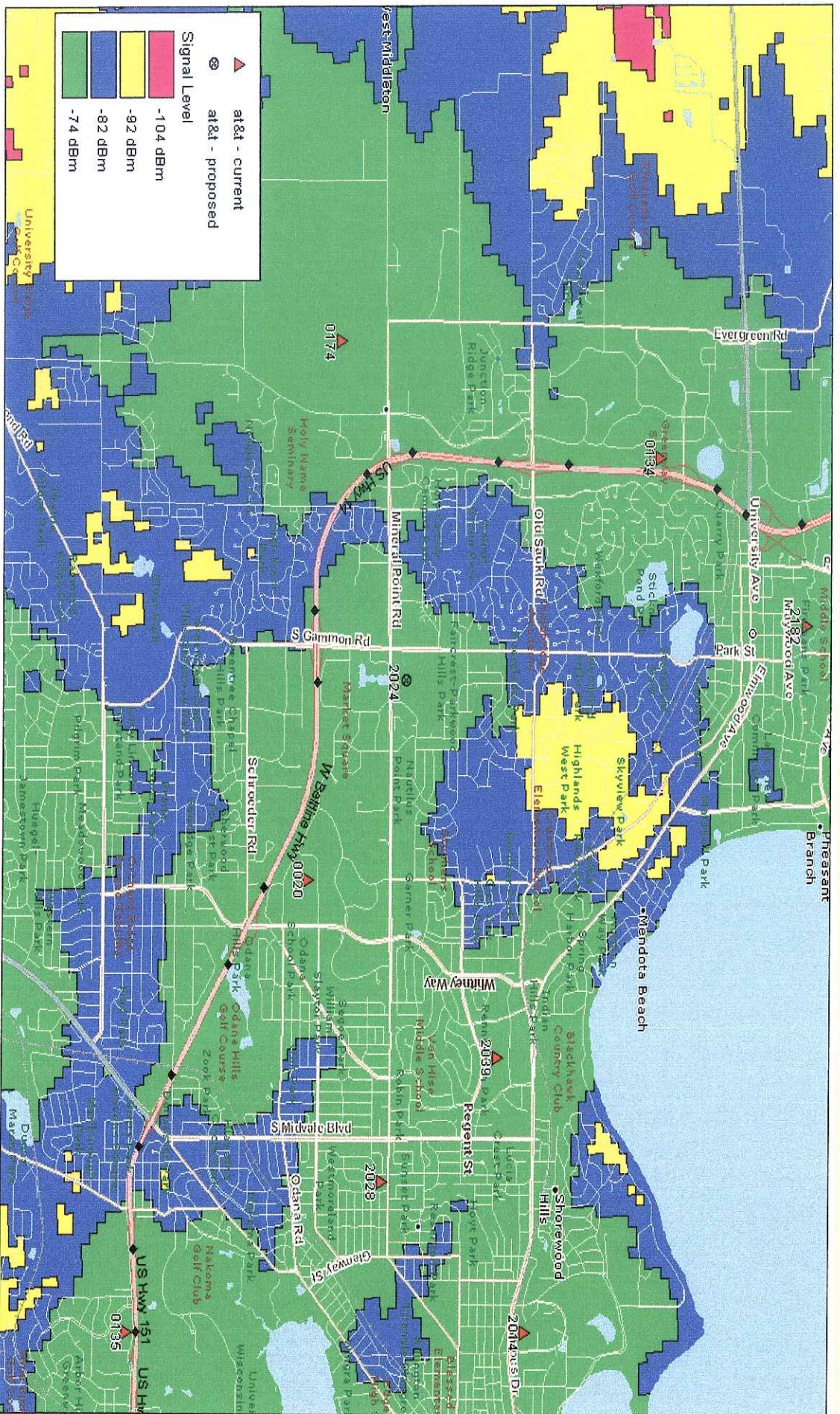
# Without 201 S. Gammmon Rd.



19



# With 201 S. Gammon Rd.









# Site Info

Site Id	Site Name	Site Address	City	Latitude	Longitude	Structure Type
WM0020	Madison	5727 Tokay Boulevard	Madison	43.05255556	-89.47836111	Guyed
WM0021	Dunn	2375 Dyerson Road	Dunn	42.97591667	-89.29013889	Self Support
WM0022	Marshall	1907 Pierceville Road	Sun Prairie	43.14533333	-89.15080556	Self Support
WM0024	Cross Plains	3822 Garfoot Road	Mt Hope	43.06375	-89.699775	Guyed
WM0025	Downtown Madison	376 West Washington Avenue	Madison	43.07260278	-89.38796389	Roof Top
WM0026	North Dane	7622 WMB U Road	Vienna	43.27538889	-89.39613889	Self Support
WM0028	Waunakee	6207 Barman Road	Springfield	43.19847222	-89.52897222	Mono pole
WM0029	Stoughton	765 Tower Road	Dunkirk	42.88797222	-89.15272222	Self Support
WM0030	East Madison	130 Dixon Street	Madison	43.039775	-89.33986111	Mono pole
WM0033	Oregon	422 North Burr Oak Avenue	Oregon	42.93076944	-89.38727778	Mono pole
WM0036	Rockdale	2505 Clear View Road	Christiana	42.98469444	-89.05383333	Mono pole
WM0037	Mount Horre	2442 Highway 92	Springdale	42.99002778	-89.70836111	Self Support
WM0023	Verona	429 Venture Court	Verona	42.98269444	-89.543	Mono pole
WM0028	Montrose	1425 Sayles Trail	Montrose	42.93044444	-89.49797222	Mono pole
WM0028	Westport	5082 Bong Road	Westport	43.18047222	-89.397	Mono pole
WM0032	Blooming Grove	3382 Meier Road	Blooming Grove	43.06233333	-89.26236111	Mono pole
WM0033	Fitchburg	2622 Blaney Road	Fitchburg	42.98594444	-89.39125	Mono pole
WM0034	West Madison	1313 Hammons Drive	Middleton	43.08791667	-89.52275	Roof Top
WM0035	Beltline	3113 Beltline Highway	Madison	43.03455556	-89.43055556	Roof Top
WM0036	Monona	2800 Industrial Drive	Madison	43.03981944	-89.35903056	Mono pole
WM0037	Campus	1932 University Avenue	Madison	43.07341667	-89.41905556	Roof Top
WM0038	Northwest Madison	1202 Northport Drive	Madison	43.13869444	-89.37361111	Water Tank
WM0074	Southwest Madison	8653 Mineral Point Road	Middleton	43.05572222	-89.53508333	Guyed
WM0184	East Monona	4727 Spaanem Avenue	Madison	43.07211111	-89.31572222	Water Tank
WM0189	Roxbury	6908 US Highway 12	Roxbury	43.22391667	-89.65969444	Mono pole
WM0196	High Crossing	3518 Cross Hill Drive	Madison	43.14155556	-89.28333333	Water Tank
WM0221	Nora	2189 Rinden Road	Madison	43.00519444	-89.17752778	Self Support
WM0244	Deerfield	201 North Industrial Park Road	Pleasant Springs	43.05505556	-89.06988889	Self Support
WM0248	South Fitchburg	5619 Montadale Street	Deerfield	42.99075	-89.43219444	Guyed
WM0251	Black Earth	9960 State Highway 14	Fitchburg	43.14486111	-89.75197222	Self-Support
WM0263	Ashton	6918 Meffert Road	Black Earth	43.16294444	-89.525	Mono pole
WM0274	Rutland	4177 Old Stage Road	Springfield	42.86064167	-89.31241667	Self-Support
WM0277	North Bristol	7223 County N	Rutland	43.24347222	-89.21572222	Self-Support
WM0279	Saint Mary's	707 South Mills Street	Madison	43.05921667	-89.40336389	Roof Top
WM2001	Deerfield (USCC)	4696 State Rd. 73	Deerfield	43.108612	-89.080559	Self Support
WM2002	Dean Medical (SpectraSite)	815 Plaerent	Madison	43.04669	-89.39777	Mono pole
WM2003	Sun Prairie (TSI)	4434 County Rd. TT	Sun Prairie	43.109444	-89.219444	Guyed Tower
WM2004	Milwaukee St. (ATC)	3902 Milwaukee St.	Madison	43.101086	-89.3186035	Mono pole
WM2006	Madison Park Bank	2810 Crossroads Dr.	Madison	43.13473778	-89.290621	Roof Top
WM2007	Homberg Trucking (AWS)	5901 Commercial Ave	Madison	43.10606667	-89.27816944	Mono pole
WM2008	Monona WT	5900 Commercial Ave	Madison	43.0548172	-89.324173	Water Tower
WM2009	Pool Storage (SpectraSite)	1833 Forderm Ave	Madison	43.0972519	-89.3631973	Mono pole
WM2010	Airport (USCC)	701 Ruskin St.	Madison	43.1086121	-89.3602753	Mono pole
WM2011	Breeze Stevens Field (AWS)	97 E. Mifflin St.	Madison	43.08343889	-89.37208611	Light Pole



# Site Info

Site Id	Site Name	Site Address	City	Latitude	Longitude	Structure Type
WM2012	Veterans Museum	30 W. Mifflin St.	Madison	43.0750008	-89.3863907	Rooftop
WM2013	Randall Tower Bldg.	1314 W. Johnson St.	Madison	43.07223877	-89.4087524	Rooftop
WM2014	V/A Hospital	2500 Overlook Terrace	Madison	43.07454639	-89.43220833	Rooftop
WM2015	Wilson St. Bldg.	131W. Wilson St.	Madison	43.070744	-89.38310833	Rooftop
WM2018	Consolidated Grain Elevator	6104 M ckee Rd.	Madison	43.017357	-89.467857	Rooftop
WM2019	MHPN-TV	2814 Syene Rd.	Madison	43.0338898	-89.3949966	Self Support
WM2022	Prairie Rd. WT	2829 Prairie Rd.	Madison	43.02083	-89.48829	Water Tower
WM2024	James Madison H.S.	201 S. Gammon Rd.	Madison	43.0616111	-89.49947222	Monopole
WM2026	Middleton WT	5626 Highland Way	Middleton	43.1136093	-89.4780579	Water Tower
WM2028	Queen Of Peace	405 Owen Dr.	Madison	43.060125	-89.446525	Rooftop
WM2029	Airpark Partners (Madison)	2917 International Lane	Madison	43.12773611	-89.34805833	Rooftop
WM2030	Linnerud WT	910 Linnerud Dr.	Sun Prairie	43.1749992	-89.2286148	Water Tower
WM2031	DeForest (AWS)	606 N. Stevenson St.	DeForest	43.2558594	-89.3410797	Monopole
WM2032	Bostad Silo	5960 Ratman Rd.	Sun Prairie	43.1713333	-89.2843628	Grain Silo
WM2033	McFarland WT	5107 Holischer Rd.	McFarland	43.02531667	-89.27584444	Water Tower
WM2035	Stoughton (USCC)	1900 US Hwy 51	Stoughton	42.918335	-89.243889	Monopole
WM2036	Schwoerer Farm (SpectraSite)	2739 Sandven Rd.	Cottage Grove	43.0299988	-89.2177658	Monopole
WM2037	Camp Randall	323 N. Breese Ter.	Madison	43.07	-89.4133333	COW
WM2039	Park Tower Bldg.	4801 Sheboygan Ave	Madison	43.07170972	-89.45964639	Rooftop
WM2041	Alexander Bldg.	780 Regent St.	Madison	43.06806944	-89.398875	Rooftop
WM2044	Knickmeier Farms (SBA)	831 County Rd. A	Edgerton	42.9350815	-89.0898056	Self Support
WM2068	Derr Hill (SBA)	1501 Krause Rd.	Columbus	43.271862	-89.1085587	Self Support
WM2180	Sun Prairie (Columbus St WT)	1755 Columbus St.	Sun Prairie	43.20636	-89.19576	Water Tower
WM2182	Baughman (SpectraSite)	7400 North Ave	Middleton	43.10267389	-89.50512306	Monopole
WM2188	The Statesider Bldg.	505 N. Frances St.	Madison	43.07507	-89.39504	Rooftop
WM2196	Token Creek WT	4205 Anderson Rd.	DeForest	43.17091667	-89.32372222	Water Tower

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SAC/CINGULAR  
WI-2024  
JAMES MADISON H.S.

Photo Simulations  
05.30.07





Before - West

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: [ae@westchesterservices.com](mailto:ae@westchesterservices.com)





After - West

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: [ae@westchesterservices.com](mailto:ae@westchesterservices.com)





Before - North

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: [ae@westchesterservices.com](mailto:ae@westchesterservices.com)





After - North

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: [ae@westchesterservices.com](mailto:ae@westchesterservices.com)





Before - East

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: [ae@westchesterservices.com](mailto:ae@westchesterservices.com)





After - East

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: [ae@westchesterservices.com](mailto:ae@westchesterservices.com)



WI-2024



Before - South

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: ae@westchesterservices.com

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After - South

WESTCHESTER SERVICES L.L.C. ♦ 960 ROUTE 22 ♦ SUITE 209 ♦ FOX RIVER GROVE, ILLINOIS 60021  
847/516-0072 Main ♦ 847/516-0102 Facsimile ♦ e-mail: [ae@westchesterservices.com](mailto:ae@westchesterservices.com)



**PROJECT INFORMATION**

SCOPE OF WORK: RAWLAND MONOPOLE AT 110'-0"

SITE NAME: JAMES MADISON HIGH SCHOOL BUILDING CODE: WISCONSIN STATE BUILDING CODE

SITE ADDRESS: 201 SOUTH GAMMON RD. MADISON, WI 53717 TAX I.D. NUMBER: 70824300994

PROPERTY OWNER: DOUG PEARSON 4771 PEYALA RD. MADISON, WI 53718

CONTACT PHONE: (608) 204-7900

APPLICANT: CINGULAR WIRELESS 930 NATIONAL PARKWAY SCHWABURG, IL 60173 FAX 10091810

CURRENT USE: SCHOOL YARD

PROPOSED USE: TELECOMMUNICATIONS FACILITY

PROPOSED USE: TELECOMMUNICATIONS FACILITY

CALL DIGGER'S HOTLINE 1-800-442-8911

FAX A LOCATE 1-800-338-3860

TDD (FOR HEARING IMPAIRED) 800-338-3860

MS 5805-543-2289

MS 5805-543-2289

NOTE: BEFORE YOU DIG, PLEASE CALL 811.



**Cingular**  
WIRELESS

**SITE NUMBER: W12024**

**SITE NAME: JAMES MADISON H.S.**

**RAWLAND MONOPOLE AT 110'-0"**

**CINGULAR WIRELESS APPROVAL**

Real Estate: \_\_\_\_\_ Date \_\_\_\_\_

RF: \_\_\_\_\_ Date \_\_\_\_\_

Operations: \_\_\_\_\_ Date \_\_\_\_\_

**DRAWING INDEX**

NO.	DESCRIPTION	REV
W12024-01	TITLE SHEET	1
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W12024-1S2	WIRELESS SITE MAP	0
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W12024-03	SITE PLAN & TOWER ELEVATION	1
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W12024-05	SHELTER ELEVATIONS	1
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W12024-24	OVERALL MEMORIAL SITE PLAN	1

**SITE QUALIFICATION PARTICIPANTS**

NAME	COMPANY	NUMBER
A/E JOHN BANKS	WESTCHESTER SERVICES, LLC	(608) 277-0070
S/C Bryan Lazuka	SITE ACQUISITION CONSULTANTS	(947) 532-1154
C/N XXXX	XXX-XXX-XXXX	(XXX) XXX-XXXX
LANDSCAPER DOUG PEARSON	JAMES MADISON HIGH SCHOOL	(608) 204-7900

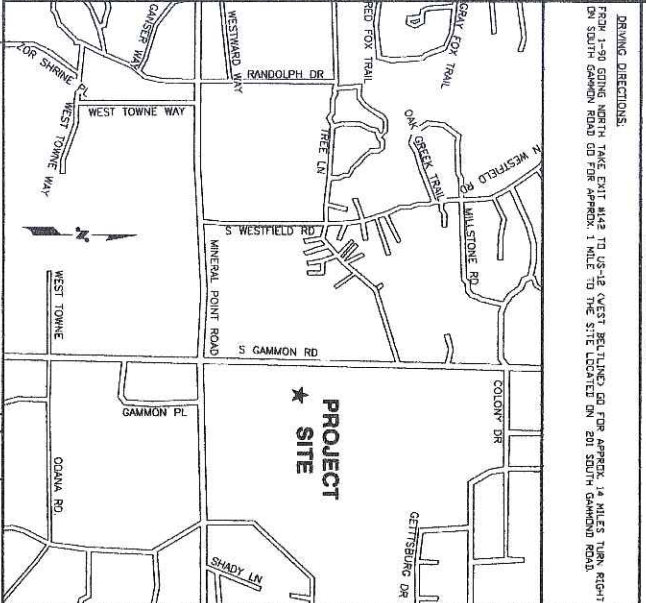
**WESTCHESTER SERVICES, LLC**

604 FOX GLEN BARRINGTON, IL 60010  
TEL: 847-277-0070  
FAX: 847-277-0090  
C/O@westchester-services.com

**JAMES MADISON HIGH SCHOOL**

SITE NO. W12024  
201 SOUTH GAMMON ROAD  
MADISON, WI 53717

**VICINITY MAP**



**APPLICABLE BUILDING CODES AND STANDARDS**

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL BUILDING CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE: WISCONSIN STATE BUILDING CODE AS ADOPTED BY LOCAL BUILDING AUTHORITY

ELECTRICAL CODE: WISCONSIN STATE ELECTRICAL CODE

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2002 NATIONAL ELECTRICAL CODE AS ADOPTED BY LOCAL BUILDING AUTHORITY

NFPA 780 - 2003 LIGHTNING PROTECTION CODE

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

AMERICAN CONCRETE INSTITUTE (ACI) 308, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

INSTITUTE FOR STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, THIRD EDITION

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARDS FOR STEEL TIA 407 COMMERCIAL BUILDING FOUNDING AND FOUNDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM

IEEE 929, RECOMMENDED PRACTICE FOR OVERHEAD AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE 928-01, RECOMMENDED PRACTICES ON SURE VOLTAGE IN LOW VOLTAGE AC POWER CIRCUITS FOR LOCATION CATEGORY C3 AND HIGH SYSTEM CAPACITANCE

TELECOM 08-1275, GENERAL INSTALLATION REQUIREMENTS

ANSI T131, FOR TELECOM - DC POWER SYSTEMS

TELECOM 08-1503, COAXIAL CABLE CONNECTIONS

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

**PROVISIONS CHANGE**

1. I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF WISCONSIN.

DATE: 8/19/2008

EXPIRES: 8/19/2011

**APPROVED:** [Signature]

**DATE:** 8/19/2008

**TITLE SHEET**

**W12024-01**



NO.	DATE	REVISION	BY	CHKD BY
1	08.13.07	ISSUED FOR CONSTRUCTION	BA	JAB
2	08.20.07	REVISION	BA	JAB
3	08.20.07	REVISION	BA	JAB
4	08.20.07	REVISION	BA	JAB
5	08.20.07	REVISION	BA	JAB
6	08.20.07	REVISION	BA	JAB
7	08.20.07	REVISION	BA	JAB
8	08.20.07	REVISION	BA	JAB
9	08.20.07	REVISION	BA	JAB
10	08.20.07	REVISION	BA	JAB
11	08.20.07	REVISION	BA	JAB
12	08.20.07	REVISION	BA	JAB
13	08.20.07	REVISION	BA	JAB
14	08.20.07	REVISION	BA	JAB
15	08.20.07	REVISION	BA	JAB
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17	08.20.07	REVISION	BA	JAB
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49	08.20.07	REVISION	BA	JAB
50	08.20.07	REVISION	BA	JAB

**DETAIL**

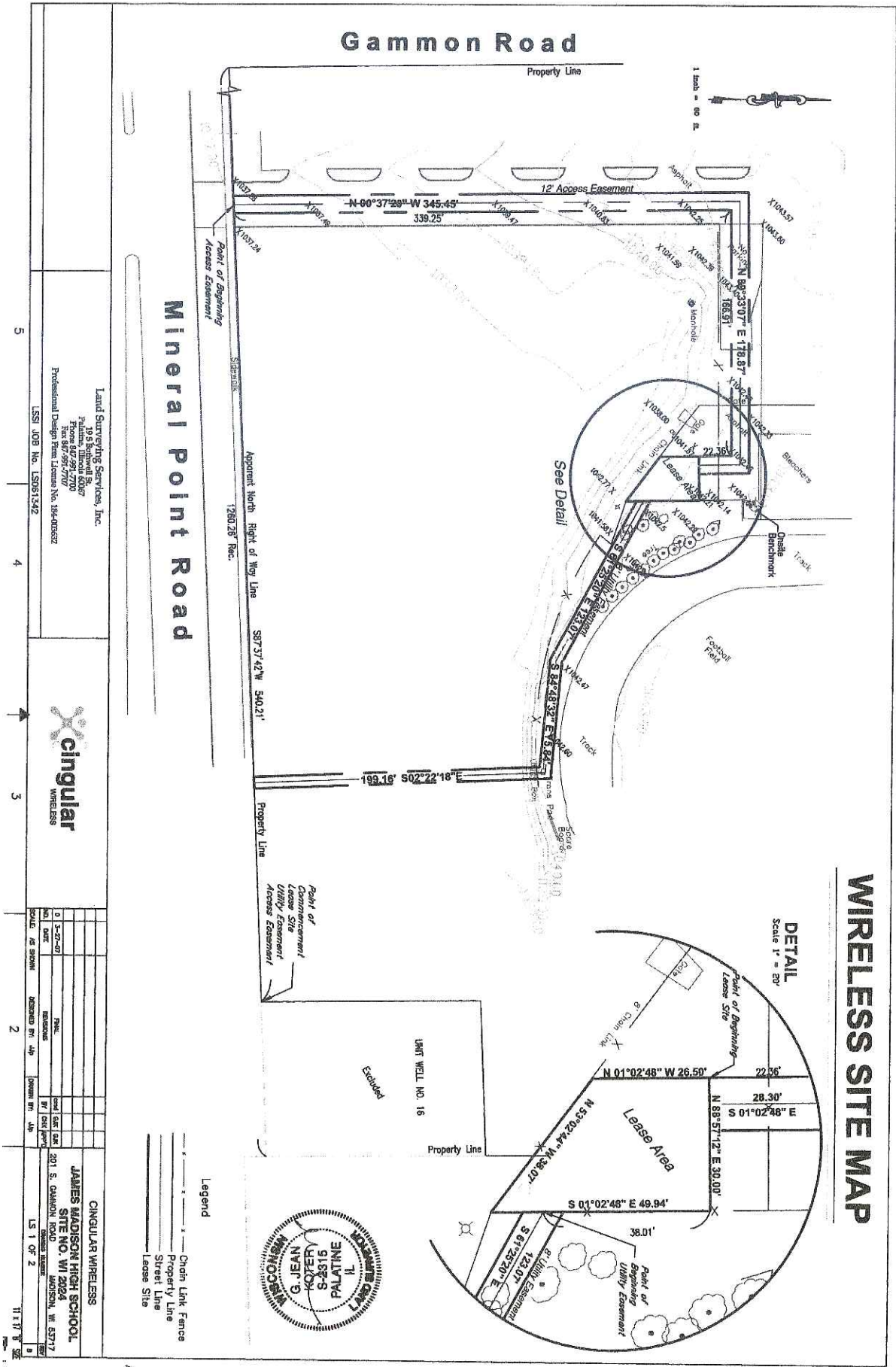
SCALE: AS SHOWN



# Gammon Road

# Mineral Point Road

# WIRELESS SITE MAP



Land Surveying Services, Inc.  
 19 S. Belmont Rd.  
 P.O. Box 291  
 Phone: 847-291-2700  
 Fax: 847-291-2700  
 Professional Design Firm License No. 184-00862  
 LSSI JOB No. LS081542



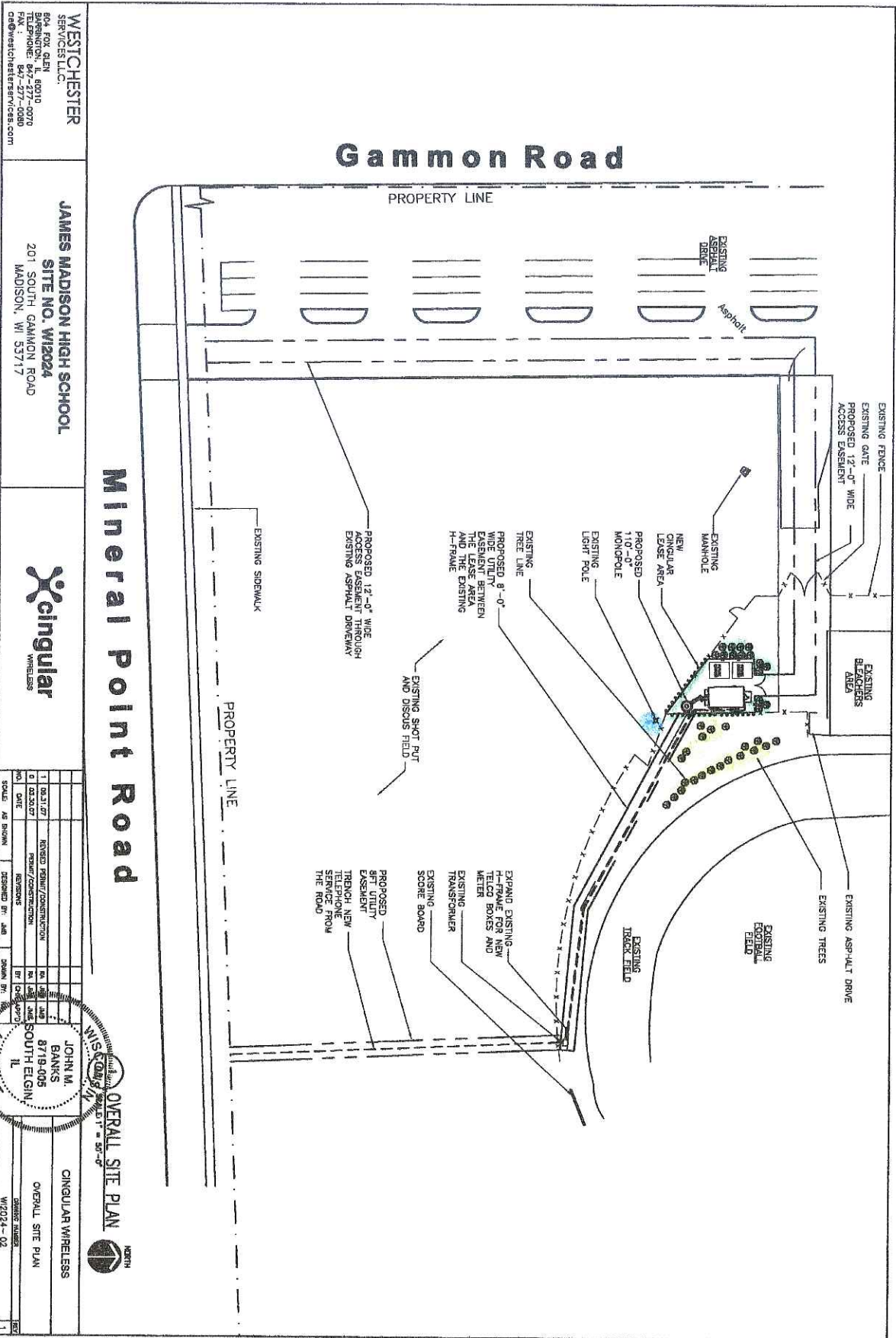
NO.	DATE	REVISION	BY	CHKD BY
0	3-27-01			
1	08-28-01			
2	08-28-01			

CINGULAR WIRELESS  
**JAMES MADISON HIGH SCHOOL**  
 SITE NO. WI 2024  
 201 S. GAMMON ROAD  
 MADISON, WI 53717  
 LSI 1 OF 2

- Legend**
- Chain Link Fence
  - Property Line
  - Street Line
  - Lease Site







**WESTCHESTER SERVICES LLC**  
 BOB FOX, CLERK  
 1000 FOX GLEN  
 TERRELLVILLE, KY 40379  
 TEL: 502-277-0279  
 FAX: 502-277-0080  
 bob@westchesterservices.com

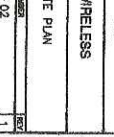
**JAMES MADISON HIGH SCHOOL**  
 SITE NO. W12024  
 201 SOUTH GAMMON ROAD  
 MADISON, WI 53717



NO.	DATE	REVISIONS	DESIGNED BY	CHKD BY	SCALE
1	08.31.07	REVISED PERMITS/CONSTRUCTION			
2	02.20.07	PERMITS/CONSTRUCTION			

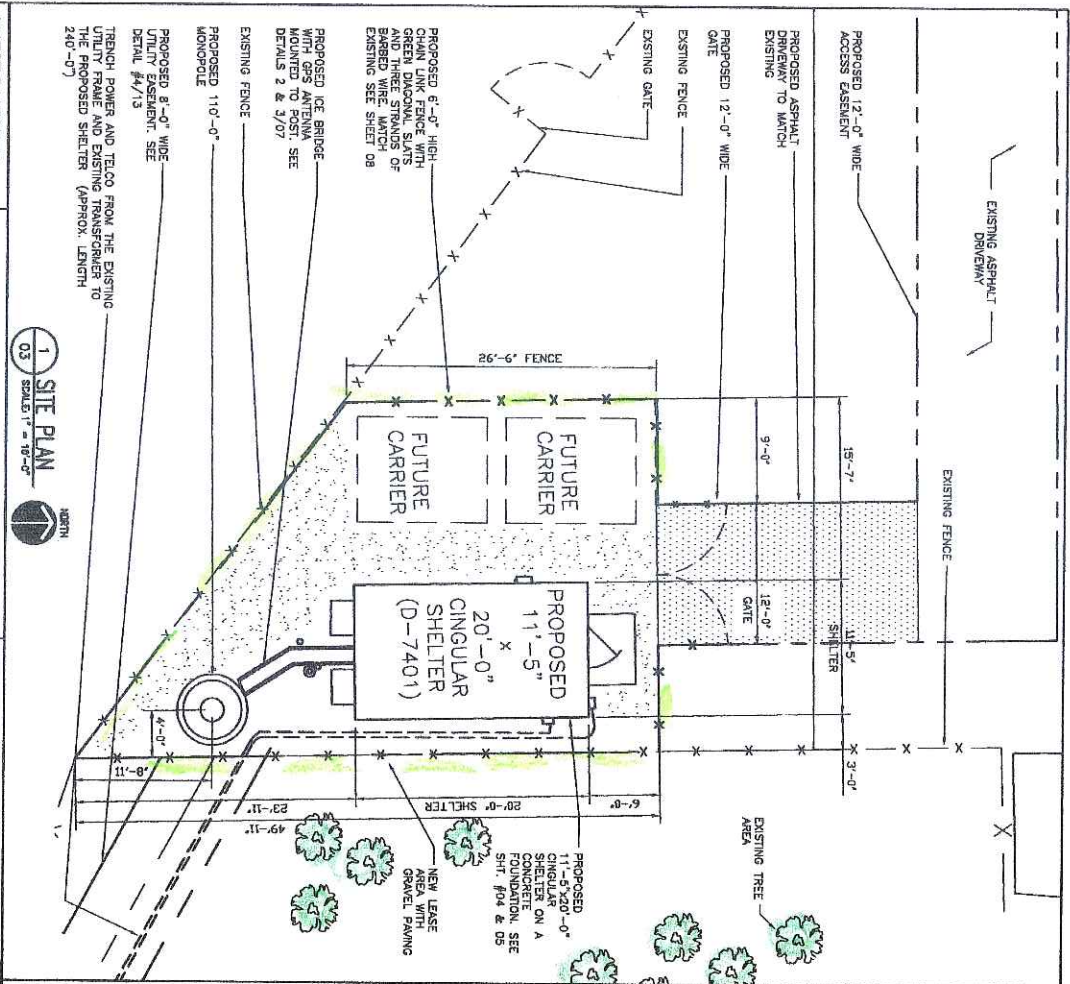
**JOHN M. BANKS**  
 8719-005  
 SOUTH ELGIN, IL

**CINGULAR WIRELESS**  
 OVERALL SITE PLAN  
 W12024-02



**OVERALL SITE PLAN**  
 NORTH



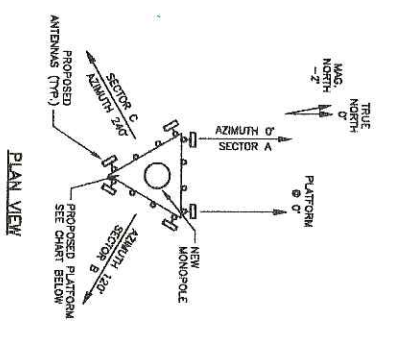


**WESTCHESTER SERVICES LLC**  
 804 FOX AVE  
 BARRINGTON, IL 60010  
 TELEPHONE: 847-277-0070  
 FAX: 847-277-0080  
 CDB@westchester-services.com

**JAMES MADISON HIGH SCHOOL**  
 SITE NO. WI2024  
 201 SOUTH GAMMON ROAD  
 MADISON, WI 53717



**1 SITE PLAN**  
 SCALE: 1" = 15'-0"  
 NORTH



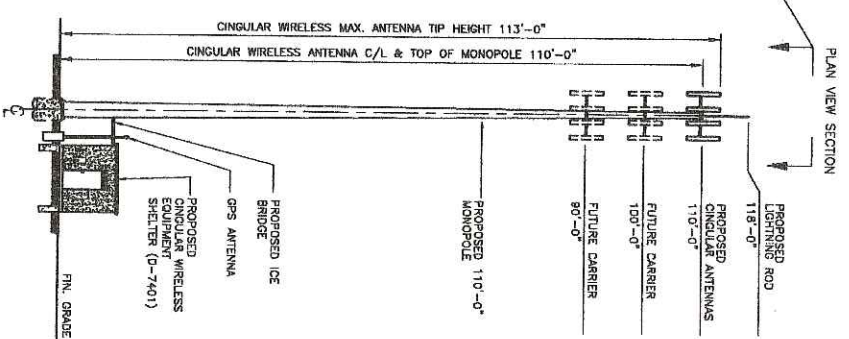
M/S P.N.	DESCRIPTION
(1) M-196-14	LOW PROFILE PLATFORM (FOR 10'-30" RING)
(6) M-218-84	84 PIPE MOUNTS (SHOULDER CLAMPS INCLUDED)
(1) MC-RM100-3	110'-30" RING MOUNTING KIT BR. BOLD

**TWO ANTENNAS PER SECTOR WITH LOW PROFILE PLATFORM CONFIGURATION MONOPOLE MOUNTINGS**

**NOTE:**  
 1. RAWLAND SITES: PLATFORM WILL BE SUPPLIED BY THE TOWER MANUFACTURER.  
 2. BUILD TO SUIT (BTS): PLATFORM WILL BE SUPPLIED BY CONTRACTOR.

**NOTE:**  
 ALL ANTENNA AZIMUTHS ARE BASED ON TRUE NORTH.

**3 DETAIL**  
 SCALE: 1" = 20'-0"



NO.	DATE	BY	CHK	DESCRIPTION
1	02.13.07	REVISION		REVISED PER PLAN CONSTRUCTION
2	02.20.07	REVISION		REVISED PER PLAN CONSTRUCTION
3	02.20.07	REVISION		REVISED PER PLAN CONSTRUCTION

SCALE: AS SHOWN

DESIGNED BY: JMB  
 DRAWN BY: RM

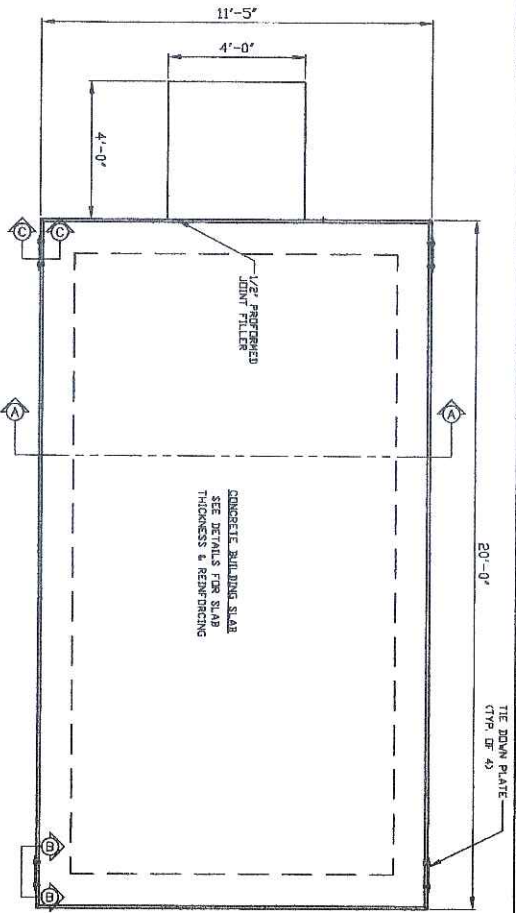
**JOHN A. BANKS**  
 8719-005  
 SOUTH ELGIN  
 IL

**WISCONSIN**  
 REG. # 488-11554

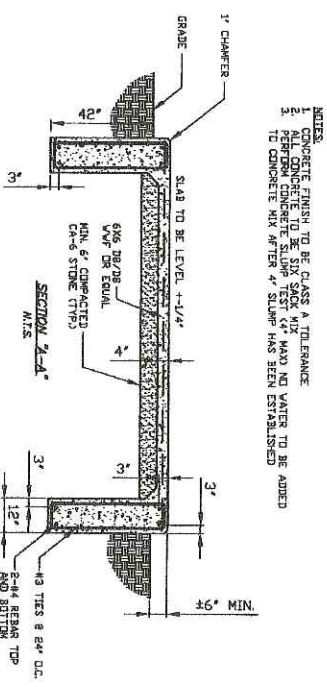
**2 TOWER ELEVATION**  
 SCALE: 1" = 20'-0"

CINGULAR WIRELESS  
 SITE PLAN &  
 TOWER ELEVATION  
 DRAWING NUMBER  
 WI2024-03

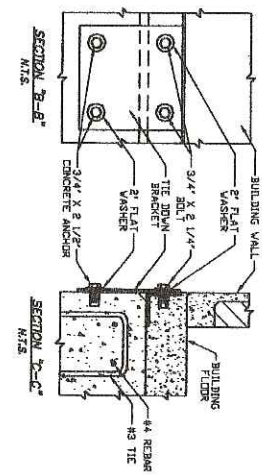




1 TYP. FOUNDATION FLOOR PLAN  
SCALE: N.T.S.



2 CONCRETE STOOP DETAIL  
SCALE: N.T.S.



3 SHELTER TIE-DOWN DETAIL  
SCALE: N.T.S.

- NOTES:
1. SLAB TO BE LEVEL  $\pm 1/4"$
  2. FINISH TO EXIST
  3. FINAL SITE DESIGN IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.
  4. SLAB FOUNDATION DESIGNED ASSUMING ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF
  5. SLAB FOUNDATION DESIGNED ASSUMING MAXIMUM SOIL PLASTICITY INDEX OF 27
  6. CONCRETE STRENGTH SHALL BE A MINIMUM OF 3000 PSI.

- NOTES:
1. THE SITE SHALL BE STRIPPED OF ALL VEGETATION PRIOR TO FILL OR CONSTRUCTION OF THE FOUNDATION P.O.
  2. ALL FILL SAND SHALL BE 0-15 P.I. WITH A COMPACTION TEST RAIN ON EACH 8" LIFT - COMPACTED TO 80% MODIFIED PROCTOR.
  3. ANY SOFT AREAS (TREE STUMP HOLES, ETC.) SHALL BE CUT OUT AND RECOMPACTED TO SAND PROCTOR.
  4. THE SUBCONTRACTOR SHALL KEEP THE SITE SO IT WILL HAVE POSITIVE DRAINAGE AT ALL TIMES.
  5. ALL EXCAVATIONS SHALL BE FREE OF WATER BEFORE POURING CONCRETE.
  6. MINIMUM SOIL BEARING CAPACITY OF 2,000 PSF IN ALL FOUNDATION AND SUB AREAS.

**WESTCHESTER SERVICES LLC.**  
804 FOX GLEN  
MADISON, WI 53717  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
info@westchester-services.com

**JAMES MADISON HIGH SCHOOL**  
SITE NO. W12024  
201 SOUTH GAMMON ROAD  
MADISON, WI 53717

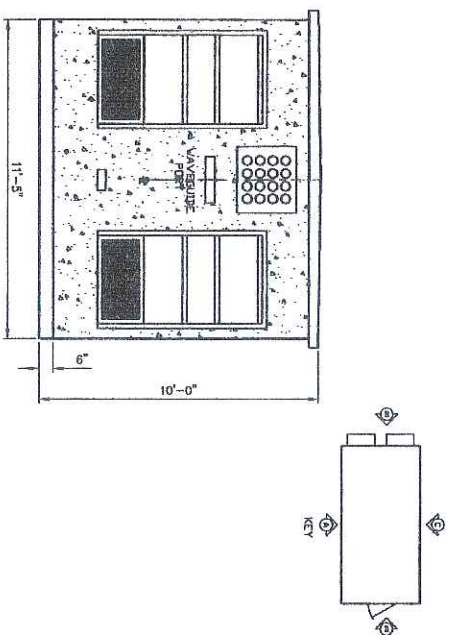


NO.	DATE	BY	CHKD BY	REVISIONS	DESIGNED BY	DRAWN BY	SCALE	AS SHOWN
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2	02.20.07	PERMIT/CONSTRUCTION	DA	ABR	JAB			

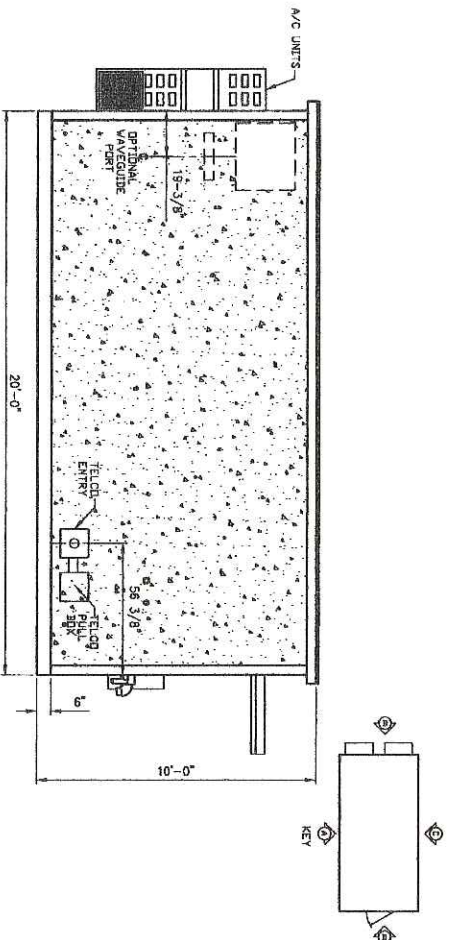
**JOHN M. BANKS**  
8719-005  
SOUTH ELGIN  
IL  
ARCHITECT

**CINGULAR WIRELESS**  
CONCRETE FOUNDATION DETAILS  
SHEET NUMBER  
W12024-04  
1

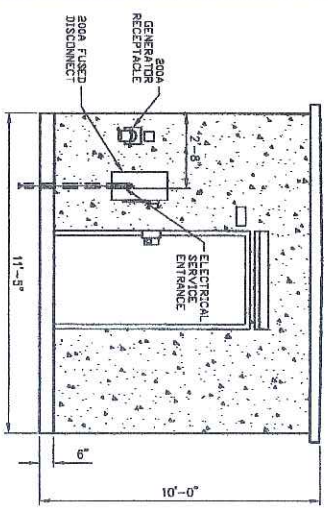




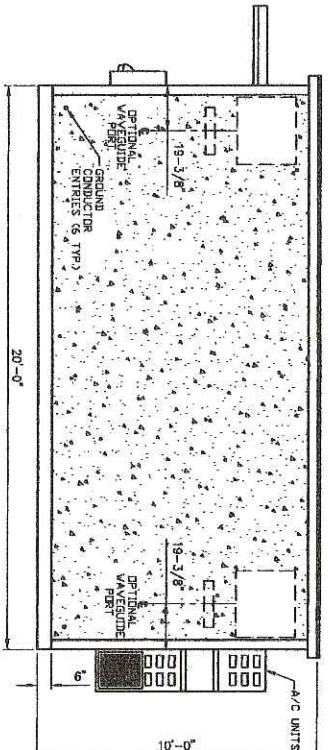
1 D-7401 FIBREBOND EQUIPMENT SHELTER ELEVATION - "B"  
05 SCALE 1/8" = 1'-0"



2 D-7401 FIBREBOND EQUIPMENT SHELTER ELEVATION - "A"  
05 SCALE 1/8" = 1'-0"



3 D-7401 FIBREBOND EQUIPMENT SHELTER ELEVATION - "D"  
05 SCALE 1/8" = 1'-0"



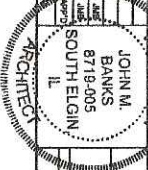
4 D-7401 FIBREBOND EQUIPMENT SHELTER ELEVATION - "C"  
05 SCALE 1/8" = 1'-0"

**WESTCHESTER SERVICES LLC.**  
804 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-6070  
FAX: 847-277-6070  
info@westchesterservices.com

**JAMES MADISON HIGH SCHOOL**  
SITE NO. W12024  
201 SOUTH GAMMON ROAD  
MADISON, VA 53717



NO.	DATE	ISSUES	BY	CHKD BY
1	08.23.07	ISSUED FOR CONSTRUCTION	ML	ML
2	08.23.07	FOR CONSTRUCTION	ML	ML
3				
4				
5				



**CINGULAR WIRELESS**  
SHELTER ELEVATIONS  
SHEET NUMBER  
W12024-05



**ELECTRICAL NOTES:**

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE (EDITION ACCEPTED BY LOCAL JURISDICTION) AND APPLICABLE LOCAL CODES.
2. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.
3. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED.
4. POWER WIRES AND CABLES SHALL BE COVERED WITH TYPE XHHW, THHN, OR THWN INSULATION. SOLID CONDUCTORS FOR #10 AWG AND SMALLER, STRANDED FOR LARGER THAN #10 AWG. MINIMUM SIZE #12 AWG.
5. POWER WIRES AND CABLES SHALL BE INSTALLED IN GALVANIZED RIGID STEEL CONDUIT OR FLEXIBLE LIQUIDTIGHT CONDUIT AS INDICATED ON DRAWING.
6. CONTRACTOR TO OBTAIN ALL PERMITS, PAY PERMIT FEES, AND BE RESPONSIBLE FOR SCHEDULING INSPECTIONS.
7. CONTRACTOR TO OBTAIN LOCAL POWER AND TELEPHONE COMPANY APPROVAL AND COORDINATE WITH UTILITY COMPANIES SERVICE ENTRANCE REQUIREMENTS.
8. PROVIDE ALL LABOR AND MATERIAL DESCRIBED ON THIS DRAWING, AND ALL ITEMS INCIDENTAL TO COMPLETING AND PRESENTING THIS PROJECT AS FULLY OPERATIONAL.
9. CONTRACTOR TO PROVIDE GROUND Wires, BARS AND CONNECTIONS AS SHOWN ON GROUNDING RIGID. CONTRACTOR SHALL TEST AND VERIFY THAT THE IMPEDANCE DOES NOT EXCEED 5 OHMS TO GROUND BY MEANS OF A BRIDE-WEBBER TESTER. GROUNDING AND OTHER OPERATIONAL TESTING SHALL BE WITNESSED BY THE OWNER'S REPRESENTATIVE.
10. GROUNDING CONDUCTORS SHALL BE COPPER ONLY, EITHER SOLID OR STRANDED CONDUCTORS ARE PERMITTED. IGR AND ALL OTHER CONDUCTORS MUST BE BARE. EQUIPMENT GROUND LEADS IN CABLE TRAYS MUST BE GREEN INSULATED. ALL Wires MUST BE #2 AWG MINIMUM.

**GENERAL NOTES:**

- 1-ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, STATE BUILDING CODES AND THE LOCAL BUILDING CODES.
- 2-ALL COMPONENTS SHALL BE U.L. LISTED.
- 3-REFER TO SITE DRAWINGS FOR THE EXACT LOCATION OF H-FRAME. REFER TO CINGULAR WIRELESS STANDING ORDER FOR THE EXACT LOCATION OF THE CHARTERED DESIGN.
- 4-CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR METERS.
- 5-CONTRACTOR TO PROVIDE AND INSTALL METER SOCKET.
- 6-CONTRACTOR TO LOCATE METER PACK TO ENSURE WORKING SPACES REQUIRED BY THE NEC (ART. 110-26), STATE, OR LOCAL CODES ARE MAINTAINED BETWEEN FRONT OF ENCLOSURES AND THE CHAIN LINK FENCE.
- 7-CONTRACTOR TO PROVIDE EXACT LOCATION OF UNDERGROUND FEEDERS AND CONDUITS WITH THE OWNER.
- 8-CONTRACTOR SHALL COORDINATE ERRORS WITH LOCAL ELECTRICAL AUTHORITY HAVING JURISDICTION (44) AND OTHER TRADES TO DETERMINE "FIRST" LINE, AND TYPE(S) OF BACKWIRING REQUIRED FOR INSULATION.

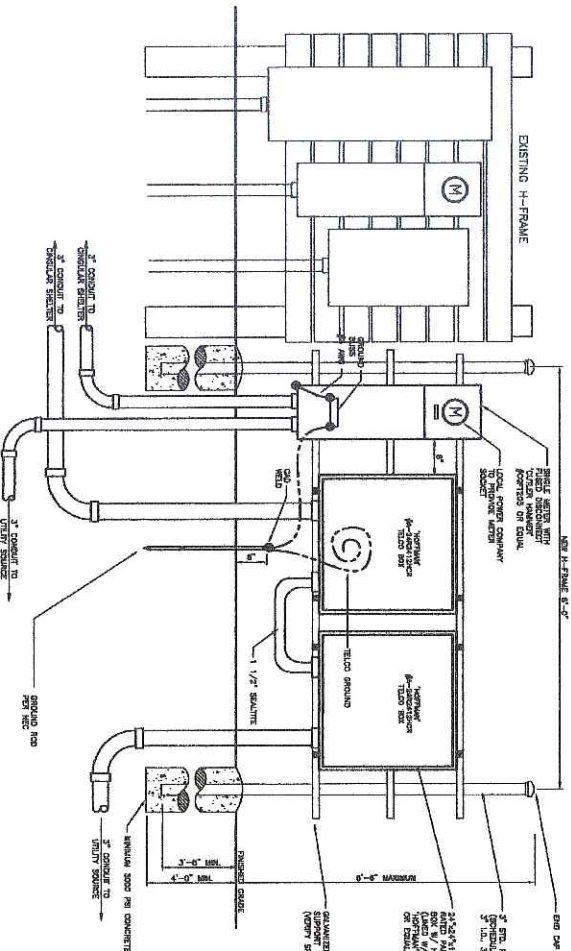
**ELECTRICAL LEGEND**

SYMBOL	DESCRIPTION	QUANTITY	TOTAL
SE	SERVICE ENTRANCE	1	180 VA
SI	SIGNAL INTERRUPTER	1	480 VA
EC	EQUIPMENT GROUND	1	620 VA
C	CONDUIT		
	<b>TOTAL</b>		<b>1280 VA</b>

**TOTAL CONNECTED LOAD**

SE	SERVICE ENTRANCE	1	180 VA
SI	SIGNAL INTERRUPTER	1	480 VA
EC	EQUIPMENT GROUND	1	620 VA
	<b>TOTAL</b>		<b>1280 VA</b>

NOTE: METERS AND SIGNAL INTERRUPTERS TO BE KEPT UNDERGROUND RIMS ARE PVC.



1 POWER DISTRIBUTION CENTER  
05 SCALE: N.T.S.

**WESTCHESTER SERVICES LLC**  
604 FOX GLEN  
BARRINGTON, IL 60010  
TELEPHONE: 847-277-0070  
FAX: 847-277-0080  
www.westchester-services.com

**JAMES MADISON HIGH SCHOOL**  
SITE NO. WJ2024  
201 SOUTH GAMMON ROAD  
MADISON, WI 53717

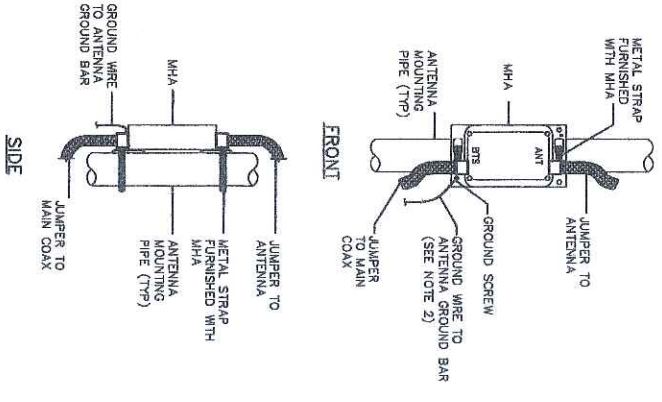


NO.	DATE	REVISIONS	BY	CHKD BY
1	03.31.27	ISSUED FOR CONSTRUCTION	JA	JAM
0	03.30.27	PERMIT/CONSTRUCTION	JA	JAM
		REVISIONS	BT	LOK



**CINGULAR WIRELESS**  
OPS & FIT CABINET DETAILS  
ISSUED: 03/31/27  
WJ2024-06

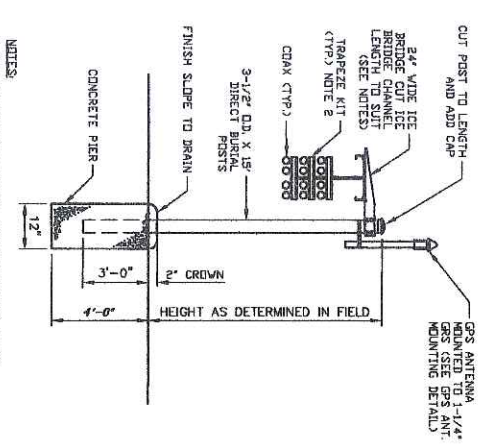




- NOTES:
1. MHA IS A WEATHERPROOFED ENCLOSURE RATED TO IP65.
  2. BOND MHA GROUND STUD TO GROUND BAR WITH 6 AWG GROUND WIRE.
  3. PROVIDE SUFFICIENT LENGTH OF JUMPER TO ALLOW FOR PROPER APPLICATION OF WEATHER PROOFING AT ANTENNA AND MHA CONNECTIONS.
  4. IF POSSIBLE, MHA SHALL BE MOUNTED BEHIND ANTENNA TO MINIMIZE WIND LOADING ON STRUCTURE.
  5. MHA SHALL BE MOUNTED VERTICALLY WITH WEEP HOLE FACING DOWN.

**NOKIA MAST HEAD AMPLIFIER (MHA) MOUNTING DETAIL**

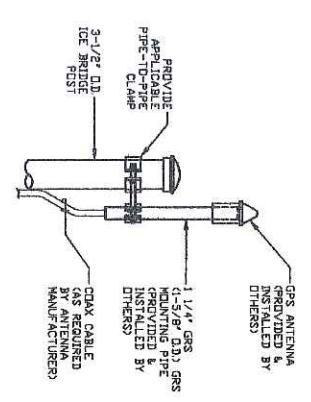
1  
07 SCALE N.T.S.



- NOTES:
1. ALL ICE BRIDGE MATERIAL TO BE SUPPLIED BY G.C.
  2. MAXIMUM CABLE SUPPORT SPACING 3'-0"

**ICE BRIDGE SUPPORT POST FOUNDATION**

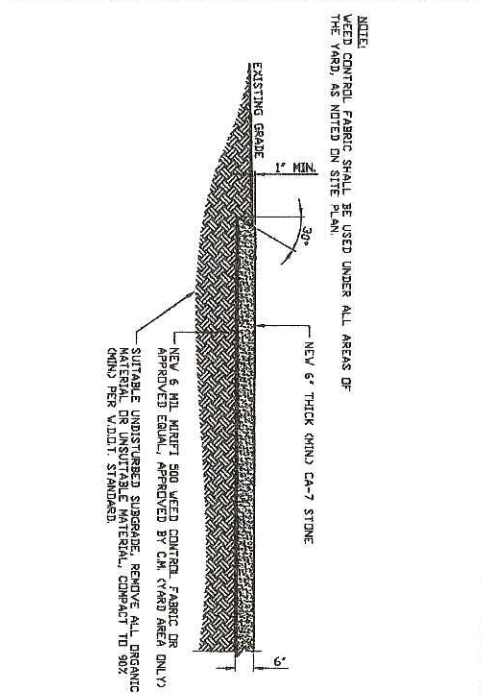
2  
07 SCALE N.T.S.



**ELEVATION**

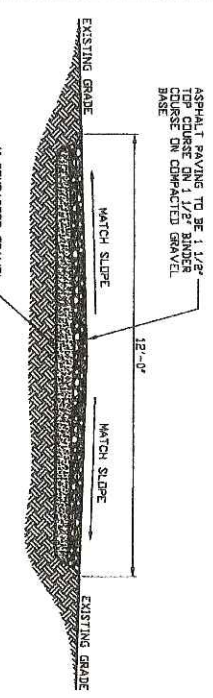
**GPS ANTENNA MOUNTING DETAIL**

3  
07 SCALE N.T.S.



**YARD PAVEMENT DETAIL**

4  
07 SCALE N.T.S.



**ASPHALT ACCESS ROAD CROSS SECTION**

5  
07 SCALE N.T.S.

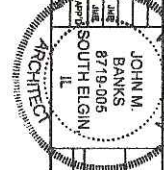
**WESTCHESTER SERVICES LLC**  
 604 FOX GLEN BARRINGTON, IL 60010  
 TELEPHONE: 847-271-0070  
 FAX: 847-271-0070  
 ce@westchester-services.com

**JAMES MADISON HIGH SCHOOL**  
 SITE NO. WI2024  
 201 SOUTH GAMMON ROAD  
 MADISON, WI 53717

1	DATE	REVISION	BY	CHKD BY
2	DATE	REVISION	BY	CHKD BY
3	DATE	REVISION	BY	CHKD BY
4	DATE	REVISION	BY	CHKD BY
5	DATE	REVISION	BY	CHKD BY

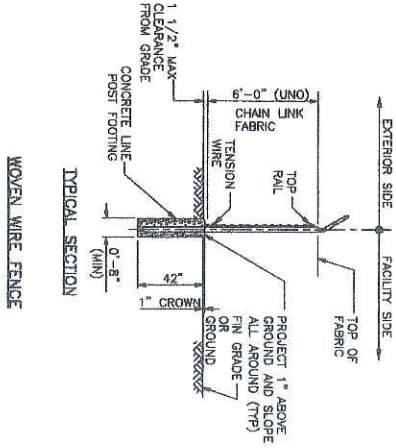
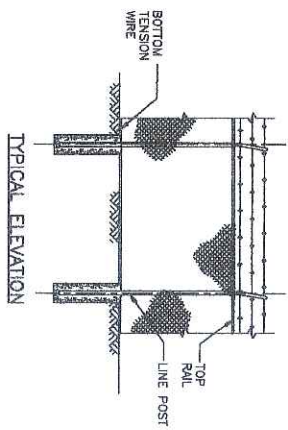
**JOHN M. BANKS**  
 8719-006  
 SOUTH ELGIN, IL

**CHINGULAR WIRELESS**  
 SITE WORK DETAILS  
 888-888-8888  
 WI2024-07



**CHINGULAR WIRELESS**  
 ARCHITECT



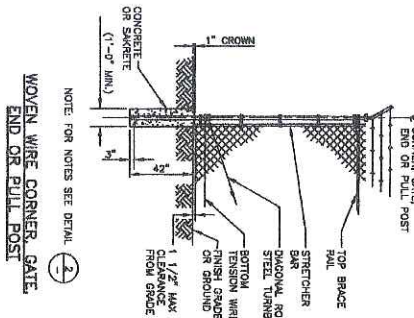


1 DETAIL  
08 SCALE N.T.S.

- NOTES:**  
(INSTALL FENCING PER ASTM F-667, SWING GATES PER ASTM F- 900)
1. GATE POST, CORNER, TERMINAL, OR PULL POST SHALL BE 2 7/8" SCHEDULE 40 PIPE WITH 8" UP THROUGH 6" FEET OR 12" FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
  2. LINE POST: 2-3/8" SCHEDULE 40 PIPE PER ASTM-F1083.
  3. GATE FRAME: 1 1/2" SCHEDULE 40 PIPE PER ASTM-F1083.
  4. TOP RAIL & BRACE RAIL: 1 1/4" SCHEDULE 40 PIPE PER ASTM-F1083.
  5. PERS: 1 1/2" O.D. CORE WIRE SIZE 2" WESH, CONFORMING TO ASTM-A392 GAGES.
  6. THE WIRE MESH SHALL BE 1 GA. GALVANIZED STEEL INSTALL A SINGLE WRAP THE WIRE MESH AND BRACE RAIL AT 24" INTERVALS. INSTALL FOUR RINGS ON TENSION WIRE AT 24" INTERVALS.
  7. TENSION WIRE: 7 GA. GALVANIZED STEEL.
  8. BARRED WIRE: 3 STRANDS OF DOUBLE STRAND 12-1/2 GAUGE TWISTED WIRE, 4 FT. BARS SPACED ON APPROXIMATELY 5" CENTERS.
  9. GATE LATCH: 1-3/8" O.D. PLUNGER ROD W/ HISHPOON TYPE CATCH AND LOCK (GATED ALIVE FOR ALL SITES OR COMBINATION AS SPECIFIED BY CINCULAR).
  10. LOCAL ORDINANCE FOR BARRED WIRE PERMIT SHALL GOVERN INSTALLATION.
  11. HEIGHT = 6" VERTICAL.
  12. ALL WORK SHALL CONFORM WITH THE PROJECT SPECIFICATIONS.

**TYPICAL WOVEN WIRE FENCING NOTES**

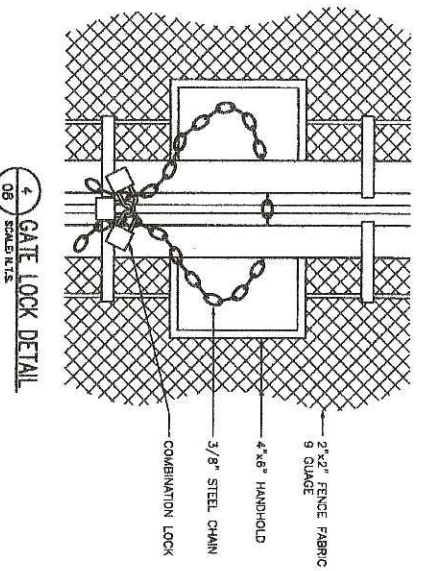
2 DETAIL  
08 SCALE N.T.S.



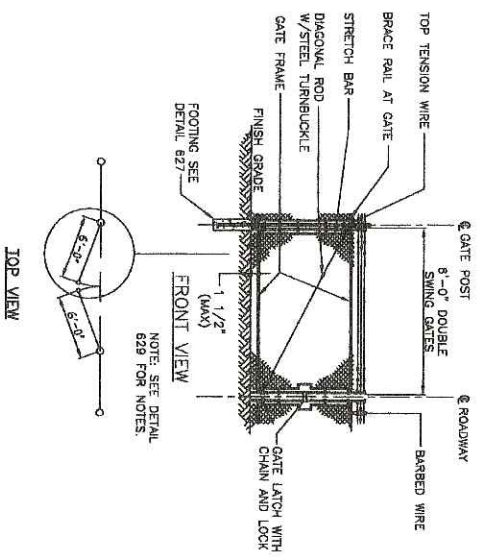
3 DETAIL  
08 SCALE N.T.S.

**WOVEN WIRE CORNER GATE END OR PULL POST**

NOTE: FOR NOTES SEE DETAIL 2



4 GATE LOCK DETAIL  
08 SCALE N.T.S.



**WOVEN WIRE SWING GATE, DOUBLE**

5 DETAIL  
08 SCALE N.T.S.

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**JAMES MADISON HIGH SCHOOL**  
SITE NO. W12024  
201 SOUTH GAMMON ROAD  
MADISON, WI 53717

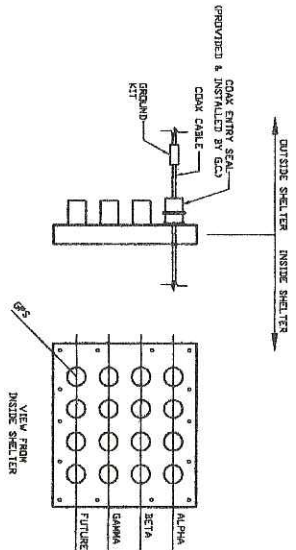


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1	03.11.07					REVISED PERMIT/CONSTRUCTION				
2	03.16.07					PERMIT/CONSTRUCTION				
3	03.16.07					REVISION				
4	03.16.07					REVISION				

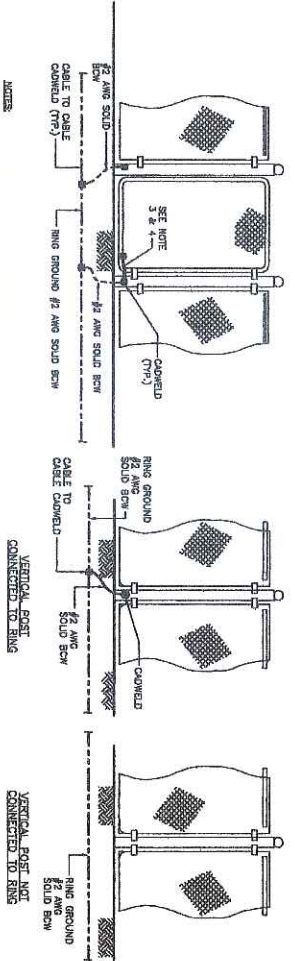
JOHN M. BANKS  
8719-005  
SOUTH ELSIN  
IL  
CINCULAR

CINCULAR WIRELESS  
FENCE DETAILS  
JAMES MADISON  
W12024-08

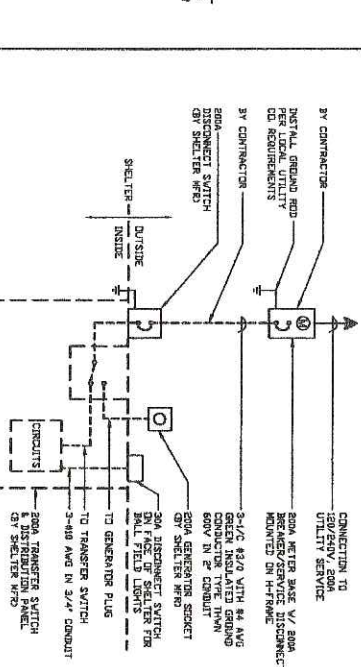




2 HATCH PLATE LAYOUT  
SCALE: 1/8" = 1'-0"



1 FENCE & GATE GROUNDING DETAILS  
SCALE: 1/8" = 1'-0"



3 ONE-LINE DIAGRAM  
SCALE: 1/8" = 1'-0"

**WESTCHESTER SERVICES LLC**  
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info@westchesterservices.com

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SITE NO. W12024  
201 SOUTH GAMMON ROAD  
MADISON, WI 53717



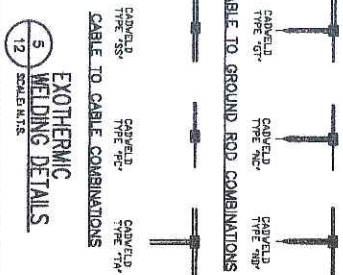
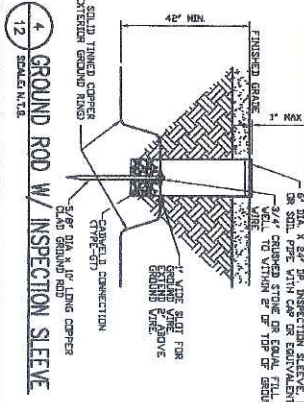
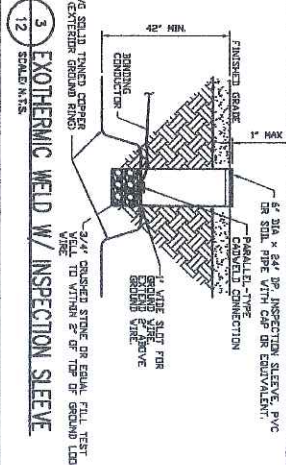
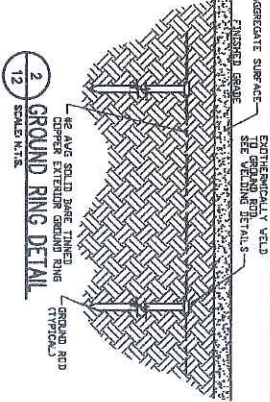
NO.	DATE	DESCRIPTION	BY	CHKD BY
1	08.31.07	ISSUED FOR CONSTRUCTION	JM	JM
2	09.03.07	ISSUED FOR CONSTRUCTION	JM	JM
3	09.03.07	ISSUED FOR CONSTRUCTION	JM	JM

JOHN M. BANKS  
8718-005  
SOUTH ELGIN, IL  
WESTCHESTER SERVICES LLC

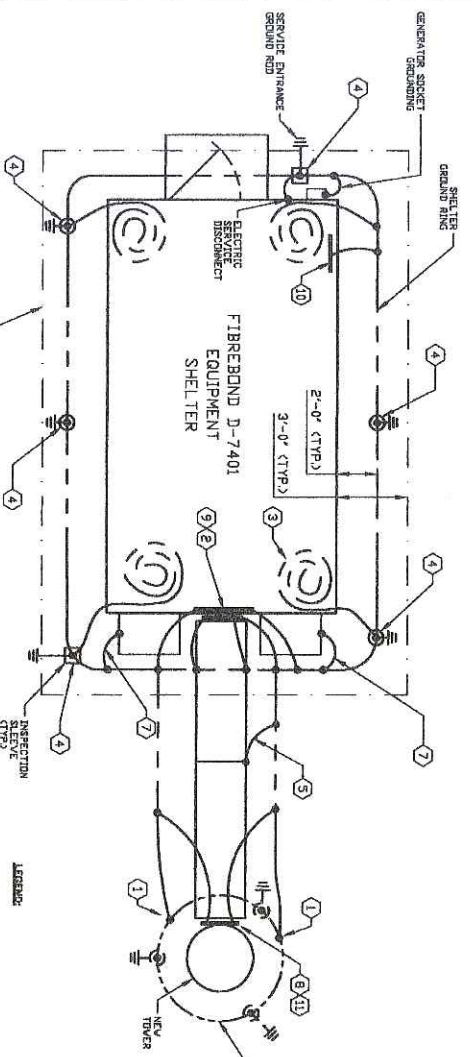
CINGULAR WIRELESS  
SINGLE LINE DIAGRAM & DETAILS  
SHEET NUMBER  
W12024-11



- GENERAL NOTES:**
1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SPECIFIC SITE CONDITIONS.
  2. ALL EXTERIOR GROUNDING CABLE AND TOP OF GROUNDING RODS SHALL BE BURIED A MINIMUM DEPTH OF 48" BELOW FINISHED GRADE.
  3. ALL GROUNDING CONDUCTORS SHALL BE #6 SOLID TINNED COPPER CABLE.
  4. GROUND SYSTEM SHALL BE TESTED PER SPECIFICATIONS AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS.
  5. NOTIFY ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.



- KEYED NOTES:**
1. TOWER GROUNDING EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING TO EXISTING TOWER AND MAKE EXOTHERMIC CONNECTION.
  2. BURIED GROUND BAR EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING UP TO THE METALLIC GROUND BAR AND MAKE AN EXOTHERMIC WELD.
  3. GROUNDING OF INTERNAL GROUND RING EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING THROUGH 1/2" DIA PVC SLEEVE INTO TYPICAL AT 4 BUILDING CORNERS.
  4. GROUND ROD CORROSION RESIST. 5/8" DIA TEN (10) FEET LONG.
  5. THE SHIELDING POINT GROUNDING EXTEND AS TINNED CU WIRE EXOTHERMICALLY WELD.
  6. FENCE GROUNDING IF FENCE IS WITHIN 6" OF GROUND RING EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING TO FENCE AND MAKE AN EXOTHERMIC WELD. SAND SURROUNDING POST IF REQUIRED TO MOUNTAIN BY MAX SPACING.
  7. RING GROUNDING EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING TO THE HVAC UNIT AND MAKE A MECHANICAL CONNECTION.
  8. TOWER GROUND BAR EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING UP TO THE TOWER GROUND BAR AND MAKE AN EXOTHERMIC WELD. SECURE GROUND BAR DIRECTLY TO TOWER WITH STAINLESS STEEL PLATING WASHERS.
  9. CELL REFERENCE GROUND BAR EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING UP TO THE CELL REFERENCE GROUND BAR CORNER SHELTHER AND MAKE A MECHANICAL CONNECTION.
  10. TOWER GROUND BAR EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING UP TO THE TOWER GROUND BAR CORNER SHELTHER AND MAKE A MECHANICAL CONNECTION.
  11. AUXILIARY GROUND BAR EXTEND AS TINNED CU WIRE FROM BURIED GROUND RING TO DATE POSTS AND EXOTHERMICALLY WELD.



**1 GROUNDING PLAN**  
SCALE: (EXAGGERATED FOR CLARITY)

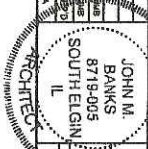
**WESTCHESTER SERVICES LLC**  
804 FOX GLEN  
BARRINGTON, IL 60010  
PHONE: 847-577-0970  
FAX: 847-577-0980  
info@westchesterservices.com

**JAMES MADISON HIGH SCHOOL**  
SITE NO. WI2024  
201 SOUTH GAMMON ROAD  
MADISON, WI 53717

**Cingular WIRELESS**

**JOHN M. BANKS**  
8719-003  
SOUTH ELGIN, IL  
DESIGNED BY: JMB  
DRAWN BY: JMB  
DATE: 11/20/12

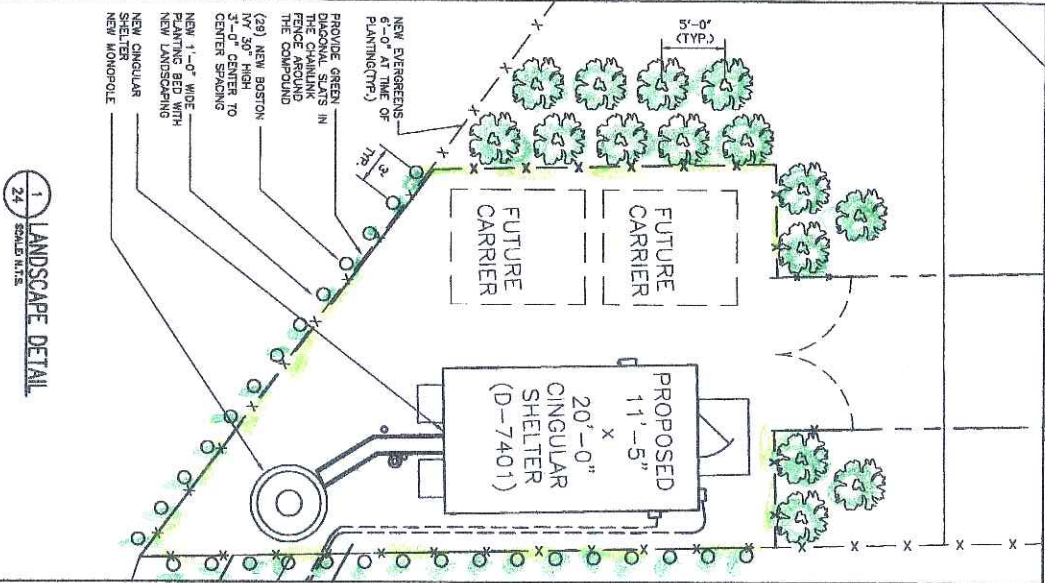
CINGULAR WIRELESS  
GROUNDING PLAN & DETAILS  
SCALE: AS SHOWN  
DATE: 11/20/12



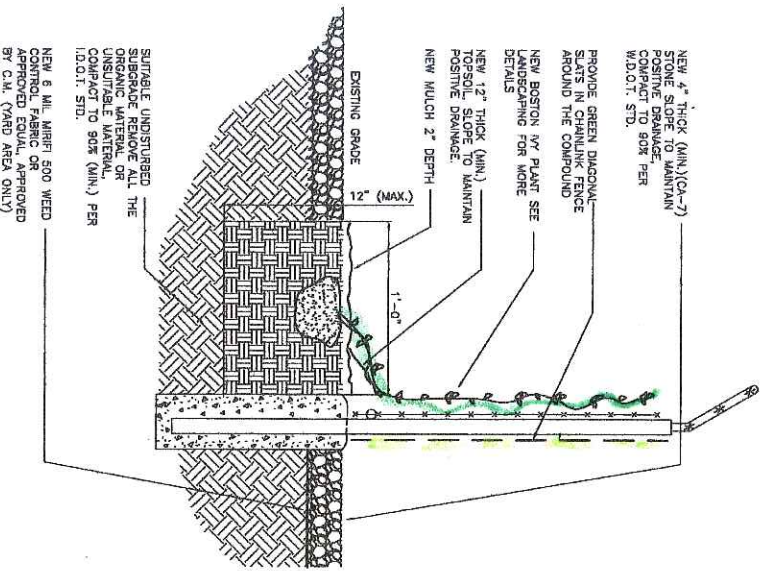
- LEGEND:**
- EXOTHERMIC WELD (GOWELD) (UNLESS OTHERWISE NOTED)
  - ⊖-⊕ 5/8" x 10' COPPER CLAD STEEL GROUND ROD
  - ⊖-⊕ 5/8" x 10' COPPER CLAD STEEL GROUND ROD WITH INSPECTION SLEEVE
  - ⊖-⊕ EXOTHERMIC WELD (GOWELD) WITH INSPECTION SLEEVE
  - GROUNDING WIRE



NOTE: CONTROL FABRIC SHALL BE USED UNDER ALL AREAS OF YARD AND DRIVE.



1 LANDSCAPE DETAIL  
24 SCALED NOTES



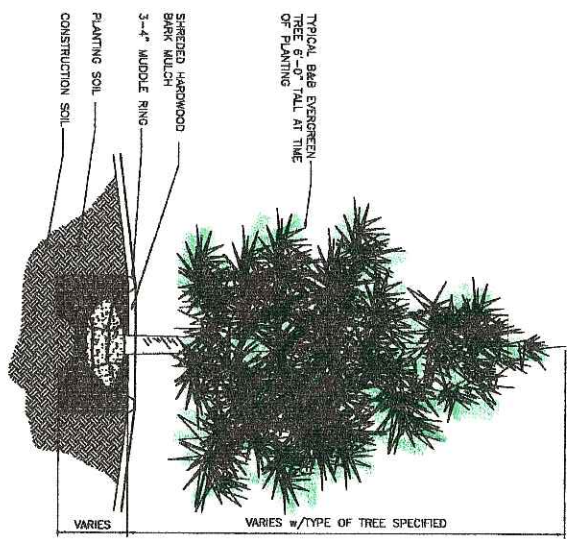
PLANT LIST						
CODE	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	TOTAL	ADDITIONAL NOTES
PT	BOSTON IVY	PARFENOCOSSEUS TRICUSPIDATUS	1 GAL	CONT.	28	STAKED

NEW 5 MIL. MARIET 500 WEED CONTROL FABRIC OR APPROVED EQUAL, APPROVED BY C.M. (YARD AREA ONLY)

SUITABLE UNDISTURBED SUBGRADE REMOVE ALL THE ORGANIC MATERIAL OR UNSUITABLE MATERIAL. (CONFORM TO 90% (MIN.) PER I.C.S.I. STD.)

2 LANDSCAPING SCHEDULE  
24 SCALED NOTES

NOTE:  
1. ALL TREES SHOULD BE PRUNED ONLY AFTER INSTALLATION AND WATERING-IN THE TREE.  
2. ALL TREES SHALL COMPLY WITH THE AMERICAN STANDARDS FOR NURSERY STOCK - INCLUDING TREE FIT, DEPTH AND WIDTH.  
3. PROVIDE 2" OF WOOD MULCH IN ALL PLANTING AREAS.  
4. NONE OF THE BARS TREES ARE TO BE STAKED UNLESS INDICATED.



NO.	COMMON NAME	BOTANICAL NAME	PLANTING SIZE	PLANTING METHOD	DESIGN SPREAD	SIZE
15	BAR EVERGREEN	TRILIA OCCIDENTALIS CV	6'-0"	BAR	6'	7'

3 BALLED & BURLAPED ARBOVITAE TREE DETAIL  
24 SCALED NOTES

**WESTCHESTER SERVICES LLC.**  
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FAX: 847-277-0080  
cs@westchesterservices.com

**JAMES MADISON HIGH SCHOOL**  
SITE NO. WJ2024  
201 SOUTH GAMMON ROAD  
MADISON, WI 53717

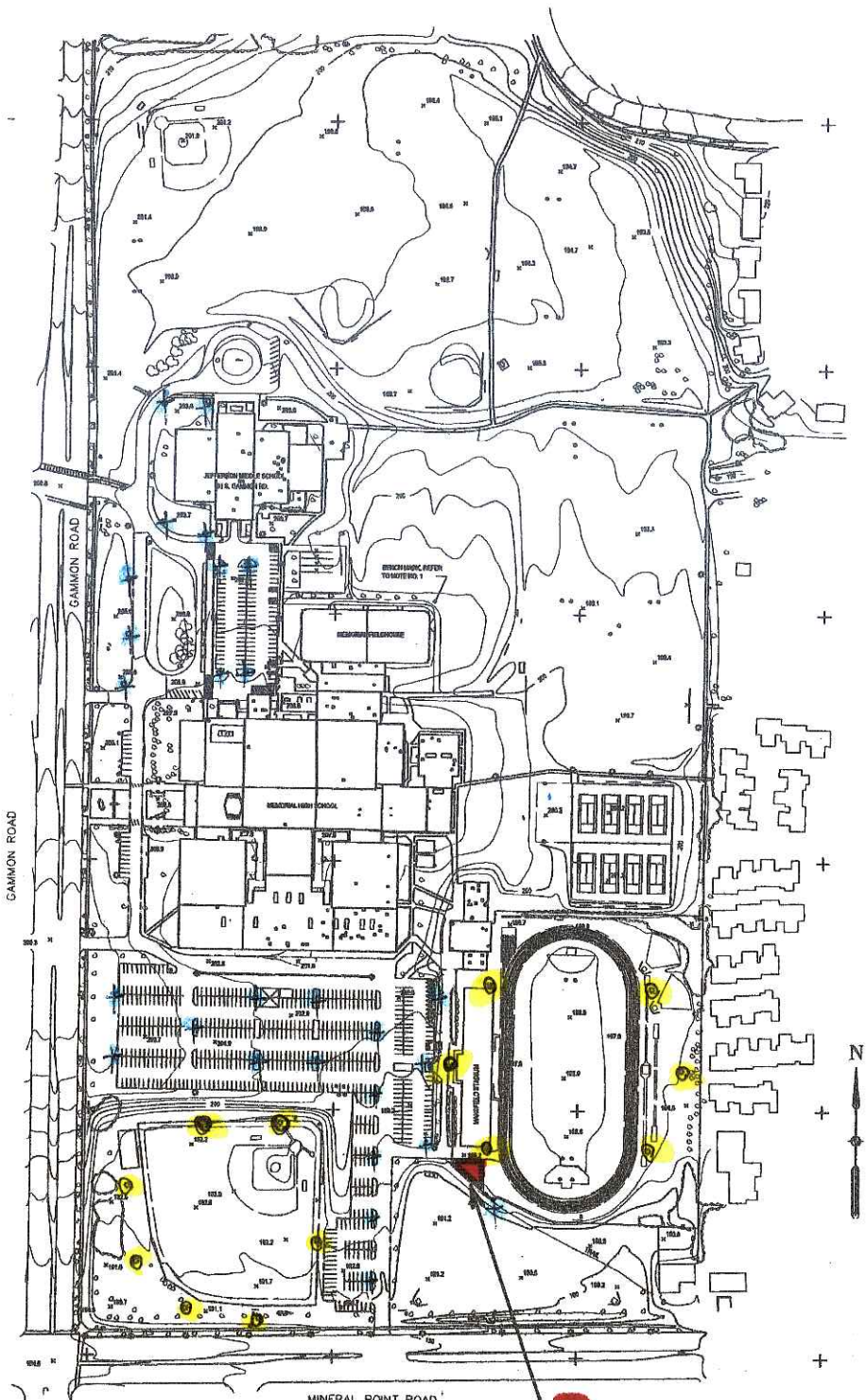


NO.	DATE	BY	REVISIONS	REVISIONS BY	DATE	NO.	DATE	BY	REVISIONS	REVISIONS BY	DATE
1	02.21.07	JM	ISSUED PERM/CONSTRUCTION	JM	02.21.07	1	02.21.07	JM	ISSUED PERM/CONSTRUCTION	JM	02.21.07
2	02.20.07	JM	PROJECT/CONSTRUCTION	JM	02.20.07	2	02.20.07	JM	PROJECT/CONSTRUCTION	JM	02.20.07



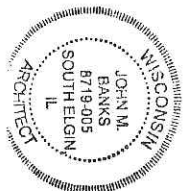
**CINGULAR WIRELESS**  
LANDSCAPING PLAN & DETAILS  
WJ2024-24





NOTES

1. THIS PLAN IS A PRELIMINARY PLAN AND IS SUBJECT TO THE CITY OF MADISON'S FINAL REVIEW AND APPROVAL. THE CITY OF MADISON SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF MADISON.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON'S STANDARD SPECIFICATIONS FOR CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF MADISON.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF MADISON.



MADISON METROPOLITAN SCHOOL DISTRICT  
 PLANNING SERVICES  
 9111 PRUDEN ROAD, MADISON, WI 53718 VOICE 261-7700 FAX 261-4374

MEMORIAL SITE  
 SITE PLAN

DATE 11/93 PROJECT NO. SITE 145\_S.DWG

PROPOSED CIRCULAR LEASE AREA WITH FENCE, TOWER, AND EQUIPMENT SHELTER

Stadium / Athletic Field Lights

Parking and Auxiliary Lights