



## **Memorandum Department of Planning & Public Works**

**To:** Planning and Public Works Committee  
**From:** Annissa McCaskill-Clay, Lead Senior Planner  
**Date:** October 18, 2009  
**RE:** **T.S.P. 12-2009 T-Mobile (St. Thomas Church UCC) – EXEMPTION FROM PUBLIC HEARING REQUEST:** A request to obtain approval for a Telecommunication Siting Permit for the purpose of removing existing antennas and replacing with new antennas; and the addition of more equipment to the equipment compound at an existing telecommunications tower for an 18.35 acre tract of land zoned "LLR"(CUP) at St. Thomas Church located 17836 Wild Horse Creek Road. (18V120254)

### **Summary**

T-Mobile, one of four (4) tenants on a monopole tower located on the campus of St. Thomas Church, is seeking exemption from requirement for a public hearing to obtain a Telecommunications Siting Permit. Applicants may seek exemption from the requirements of City of Chesterfield Ordinance 2391 by submitting a written statement to City Council. T-Mobile seeks permission to:

1. Remove three (3) existing antennas and replace them with three (3) new antennas of similar dimension.
2. Add an additional cabinet to the existing equipment yard for the site.

Upon review of the Petitioner's initial application, it was determined that the Petitioner's request required a public hearing. Therefore, T.S.P. 12-2009 was scheduled for a public hearing on October 12, 2009. Subsequent to being scheduled for the public hearing, the Petitioner submitted a request for exemption from public hearing and advised the staff that notification of property owners within 1500 square feet of the subject site had not occurred per the requirements of Ordinance 2391. Therefore the public hearing was cancelled. City of Chesterfield Staff, after consultation with the City Attorney, believes that Petitioner's request for an exemption from the requirements of Ordinance 2391 should be denied because Petitioner's application seeks a material modification in that Petitioner seeks to add an additional cabinet to the existing equipment yard for the site. The cabinet is a material addition and represents an important change to the existing wireless telecommunications facility. Staff requests that if the Council denies the request for

T.S.P. 12-2009 T-Mobile (St. Thomas Church UUC)  
Planning & Public Works Committee Report  
October 18, 2009

an exemption after a review by this committee, Council direct Staff to prepare a written statement setting out the reasons for said denial. Attached please find the Petitioner's written statement and materials submitted in support of their application.

Respectfully submitted,

A handwritten signature in black ink that reads "Annissa McCaskill-Clay". The signature is written in a cursive, flowing style.

Annissa McCaskill-Clay, AICP  
Lead Senior Planner

Cc: Michael G. Herring, City Administrator  
Rob Heggie, City Attorney  
Michael O. Geisel, Director of Planning and Public Works



Eric D. Martin  
Attorney

190 Carondelet Plaza, Suite 600  
St. Louis, MO 63105  
314.345.6420  
fax: 314.480.1505  
eric.martin@huschblackwell.com

October 6, 2009

**VIA E-MAIL**

Annissa McCaskill-Clay, AICP  
Lead Senior Planner  
City of Chesterfield  
690 Chesterfield Pkwy W  
Chesterfield, MO 63017-0760

Re: **T.S.P. 13-2009 T-Mobile (Wildhorse Springs/132A Woodcliffe Place Drive)**  
(08/15/2008 submittal)  
**T.S.P. 10-2009 T-Mobile (Parkway Central High School)**  
(08/15/2008 submittal)  
**T.S.P. 07-2009 T-Mobile (Villas at Ladue Bluffs/St. Louis County Tower)**  
(08/15/2008 submittal)  
**T.S.P. 12-2009 T-Mobile (St. Thomas Church UCC)**  
(08/15/2008 submittal)

Dear Ms. McCaskill-Clay:

I represent T-Mobile Central LLC, a wholly-owned subsidiary of T-Mobile USA, Inc. (collectively, "T-Mobile"). Currently, the four Telecommunication Facility Siting Permits referenced above ("Four Sites") are pending and scheduled for a public hearing before the Chesterfield Planning Commission on October 12, 2009. T-Mobile respectfully requests exemptions for the public hearing requirement for these four permits pursuant to § 30-27 of the City's Ordinances. Please place this exemption request on the agenda for City Council, Planning and Public Works Committee on Thursday, October 8, 2009.

As detailed in the application materials, T-Mobile's equipment upgrade involves exchanging antennas and using existing coaxial cables. Following the completion of the project, the tower sites will have the same number of antennas and coaxial cables as before. The only addition to the tower sites will be an unobtrusive equipment cabinet that consists of four modules (height, width, and depth of 5.2 inches by 17 inches by 22 inches) placed on a pole. Attached is a photograph that shows the mounted equipment cabinet.

T-Mobile respectfully suggests that the equipment upgrade project that is the subject of the applications does not constitute a "material modification" as defined in § 30-3 of the

Ordinances because the changes would not "materially affect the obvious physical appearance of the facility." Since the four towers range in height from approximately 100 to 200 feet, the addition of this equipment cabinet at the base of the towers is visually inconsequential. Further evidence of this assertion is the fact that three of the Four Sites have fences and one has a screen wall. T-Mobile is performing this equipment upgrade to its sites throughout the country, and other jurisdictions are treating this change as ordinary maintenance.

In an effort to allay any concerns the City might have and fully document the unobtrusive nature of the changes, T-Mobile has gone through the facility permit application procedures for these Four Sites and three other sites.<sup>1</sup> On September 30, 2009, T-Mobile presented the three other sites at a public hearing before the Chesterfield Planning Commission. T-Mobile incurred thousands of dollars in mailing expenses for this hearing. No members of the public attended the Planning Commission hearing, which is not surprising since this project does not involve the construction of a new tower or a material change in appearance of an existing one.

Alternatively, for the final Four Sites, T-Mobile requests exemptions from the public hearing requirements as is expressly authorized by § 30-27. The mailing expenses for the public hearings would cost thousands of dollars. Allowing T-Mobile to dispense with the public hearing requirement for the Four Sites will have "no significant affect on the health, safety and welfare of the city, its residents and other service providers."

Thank you for your consideration.

Sincerely,



Eric D. Martin

EDM/tl

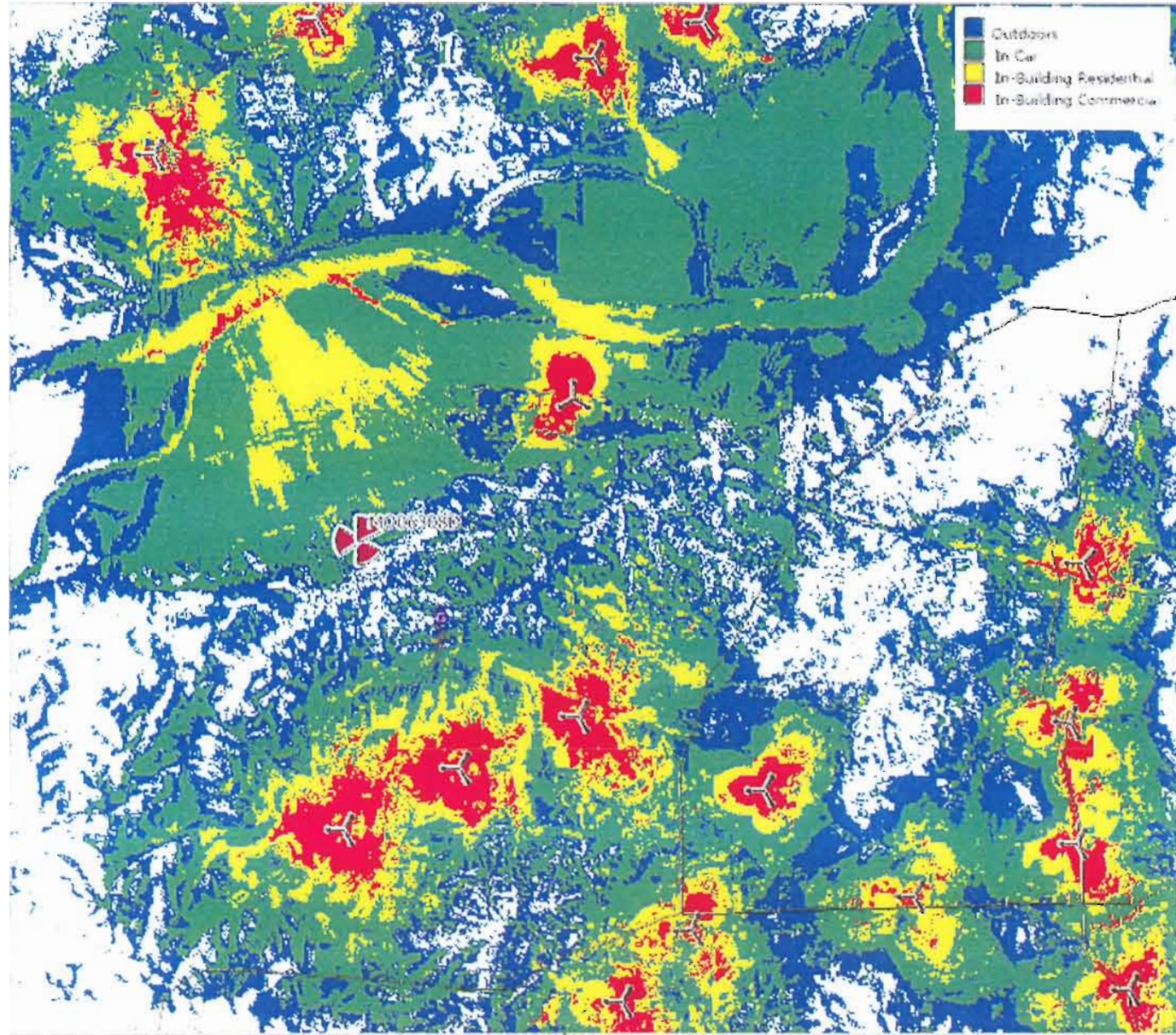
cc: Robert M. Heggie, Esq. (via email)

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<sup>1</sup> T.S.P. 08-2009 T-Mobile (400 Chesterfield Center), T.S.P. 09-2009 T-Mobile (Spirit 40 Park), and T.S.P. 11-2009 T-Mobile (Village at Baxter Ridge – Ameren Tower)

# Node B Flexi Cabinet Outside Mount



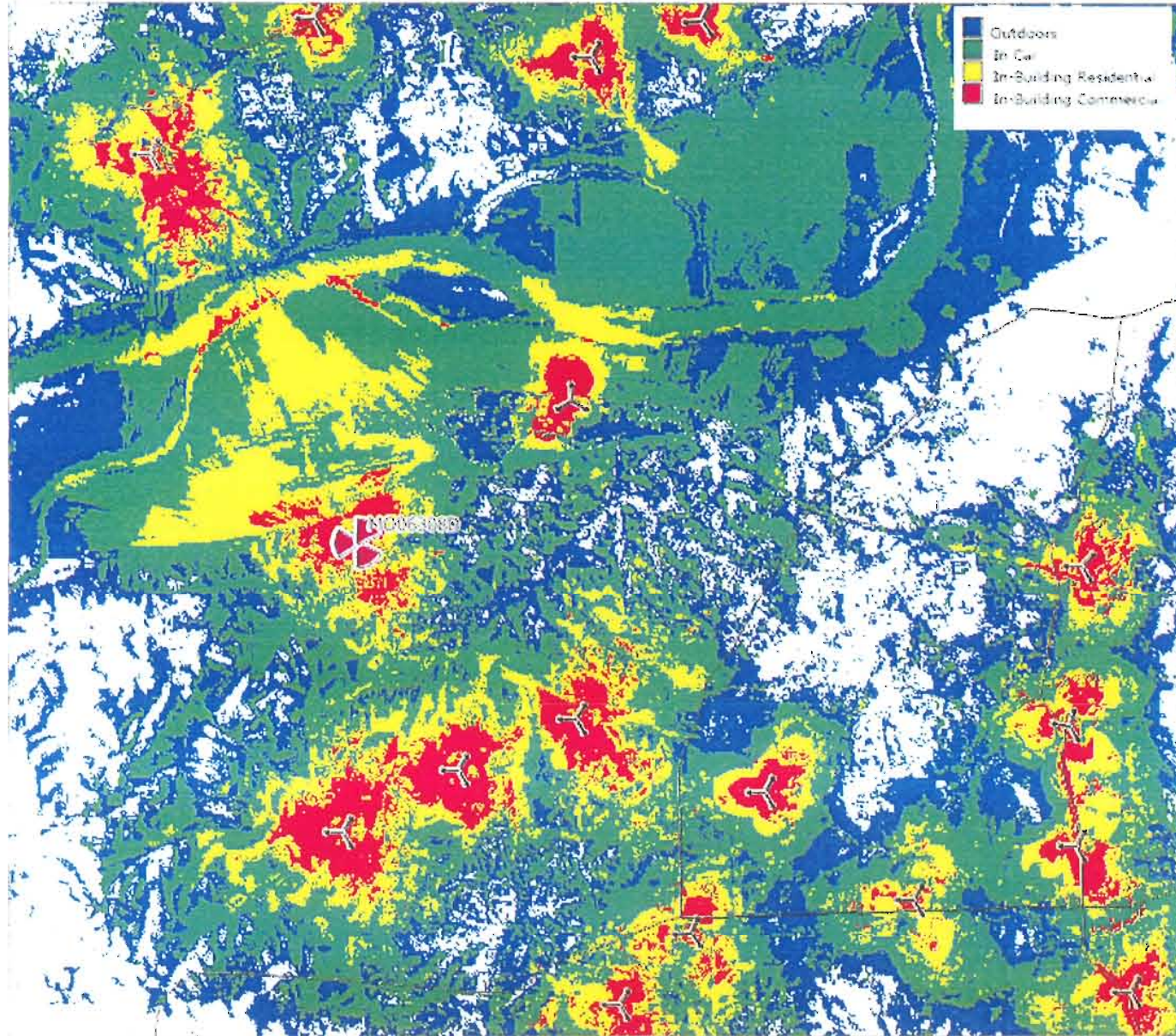


**ROCKSOLID**  
COVERAGE



# Prediction Plot

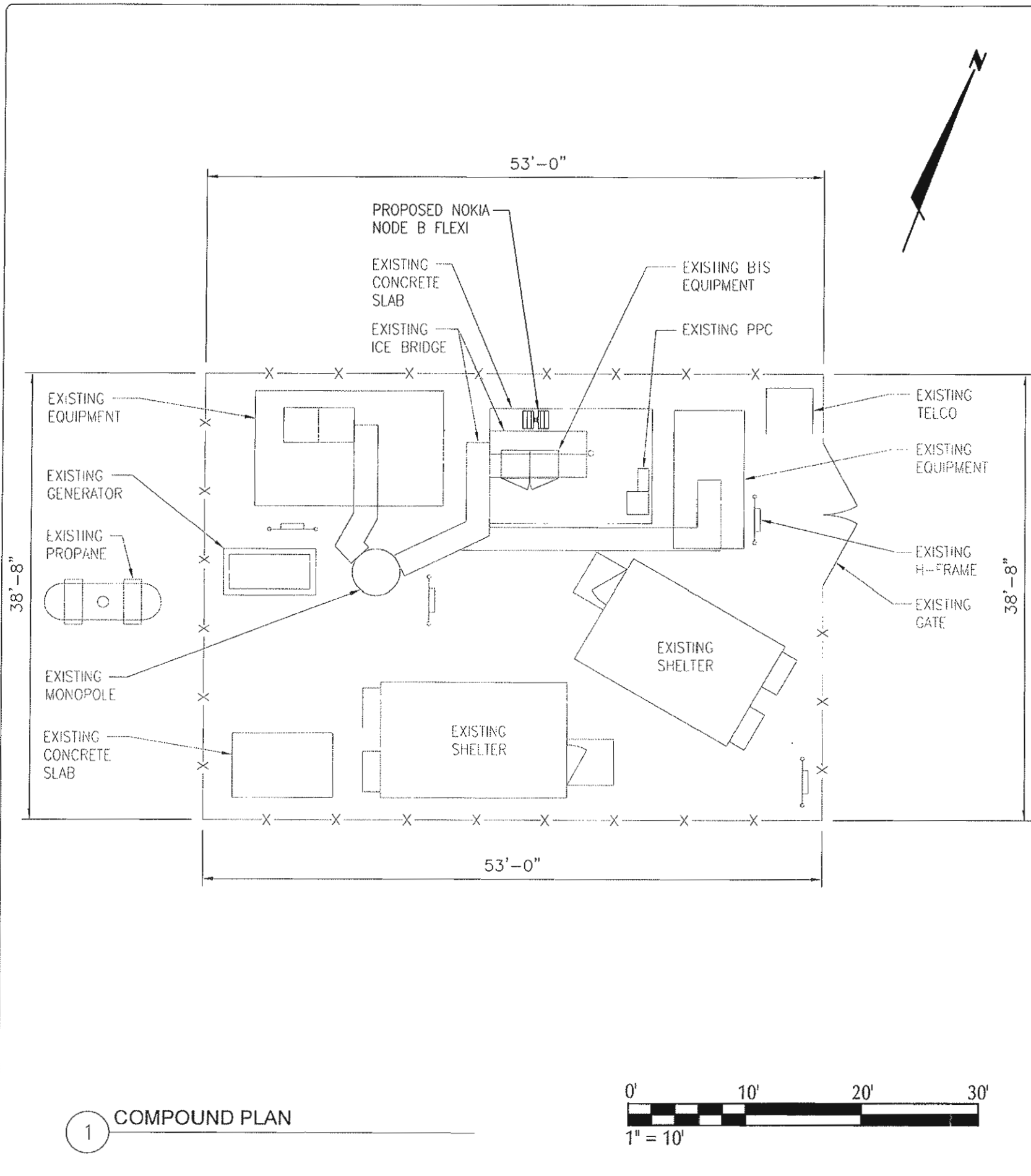
(surrounding sites with MO06308D)



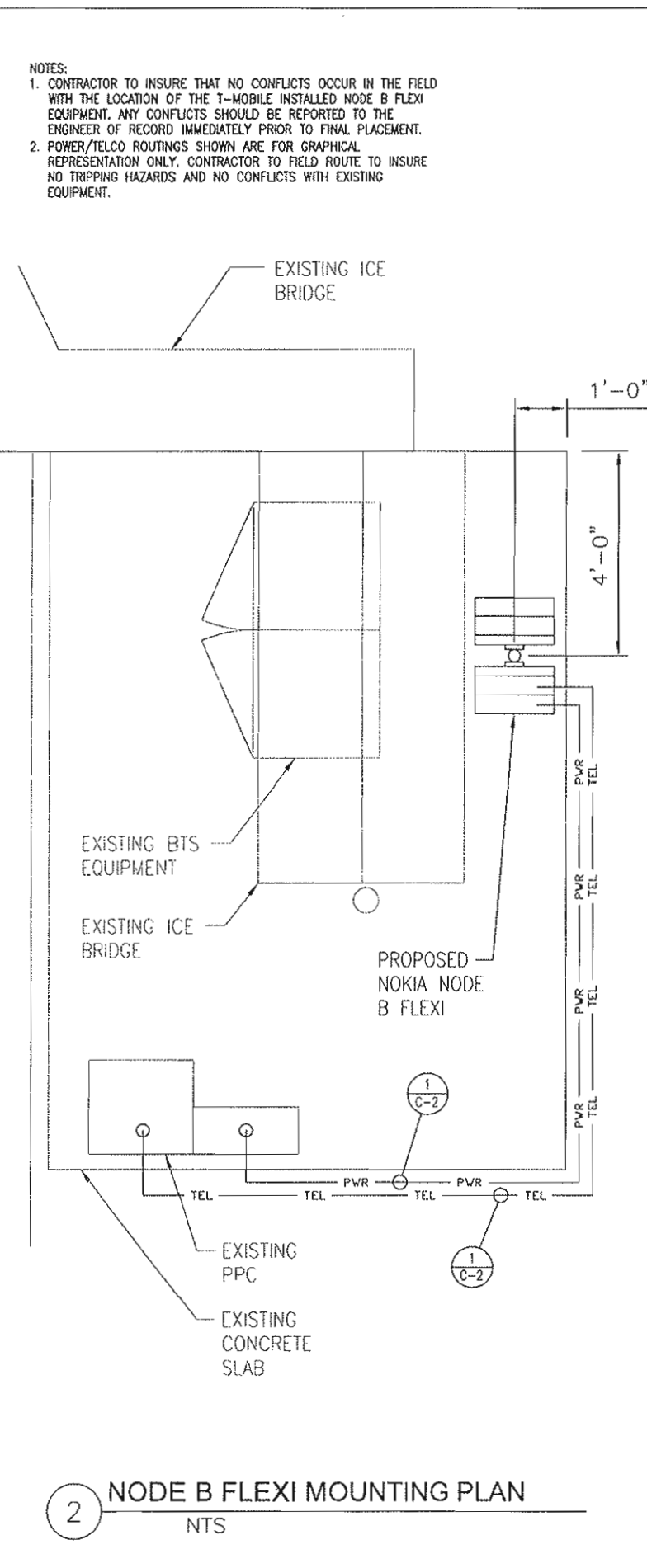
**ROCKSOLID**  
COVERAGE







1 COMPOUND PLAN



2 NODE B FLEXI MOUNTING PLAN  
NTS

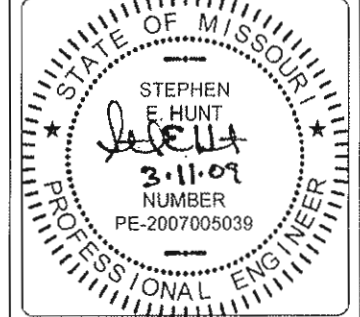
NOTES:  
 1. CONTRACTOR TO INSURE THAT NO CONFLICTS OCCUR IN THE FIELD WITH THE LOCATION OF THE T-MOBILE INSTALLED NODE B FLEXI EQUIPMENT. ANY CONFLICTS SHOULD BE REPORTED TO THE ENGINEER OF RECORD IMMEDIATELY PRIOR TO FINAL PLACEMENT.  
 2. POWER/TELCO ROUTINGS SHOWN ARE FOR GRAPHICAL REPRESENTATION ONLY. CONTRACTOR TO FIELD ROUTE TO INSURE NO TRIPPING HAZARDS AND NO CONFLICTS WITH EXISTING EQUIPMENT.

**T-Mobile**  
 555 NORTH NEW BALLAS ROAD,  
 SUITE 350  
 ST. LOUIS, MO 63141

**TeleCAD**  
 WIRELESS SITE DESIGN, INC  
 7001 MIDDLE VALLEY RD SUITE 113  
 HIXSON, TN 37343  
 PH: 423-843-9500  
 FAX: 423-843-9509

**EXCELL**  
 COMMUNICATIONS, INC.

EXCELL COMMUNICATIONS, INC.  
 6247 AMBER HILLS ROAD  
 BIRMINGHAM, ALABAMA 35173  
 PHONE: 205.956.0198  
 FAX: 205.956.2632



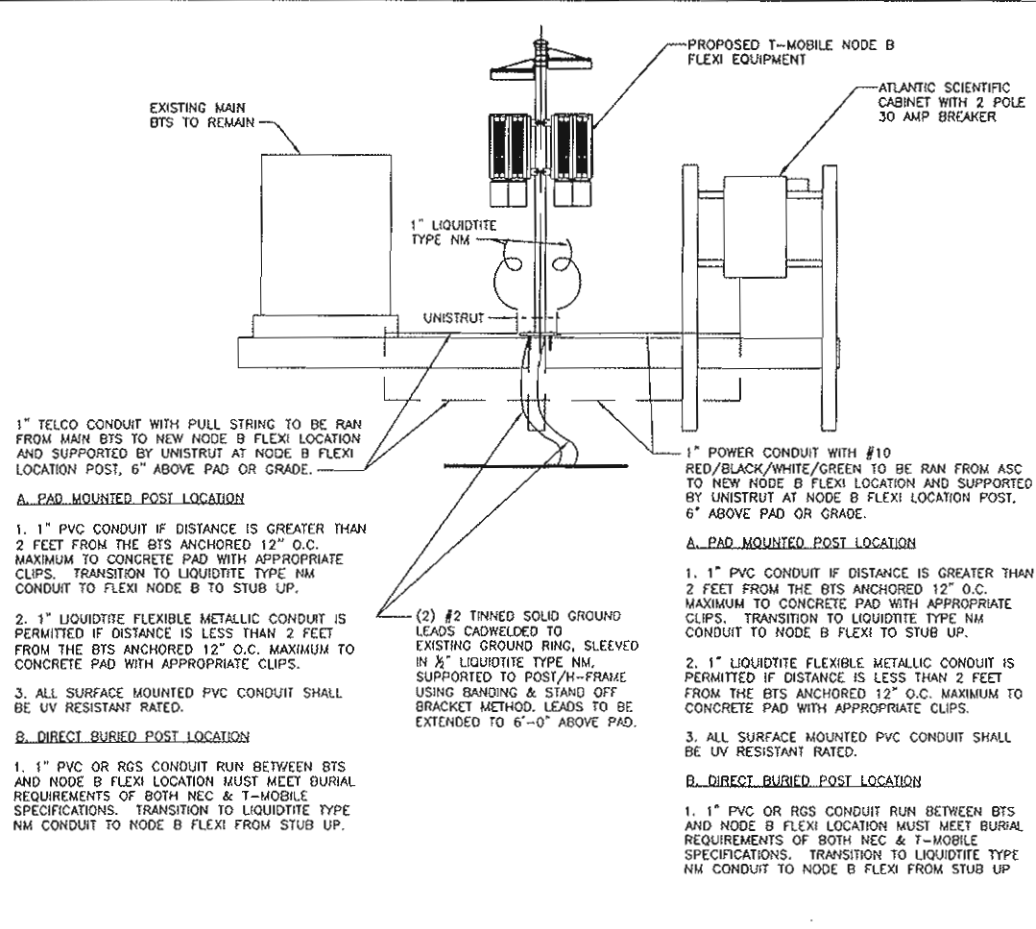
SITE NAME:  
 SPRINT/ ST. THOMAS UCC  
 SITE NUMBER:  
 MO06308D  
 SITE ADDRESS:  
 17848A WILDHORSE CREEK  
 CHESTERFIELD, MO 63005

DRAWN BY: DWS  
 CHECKED BY: SEH

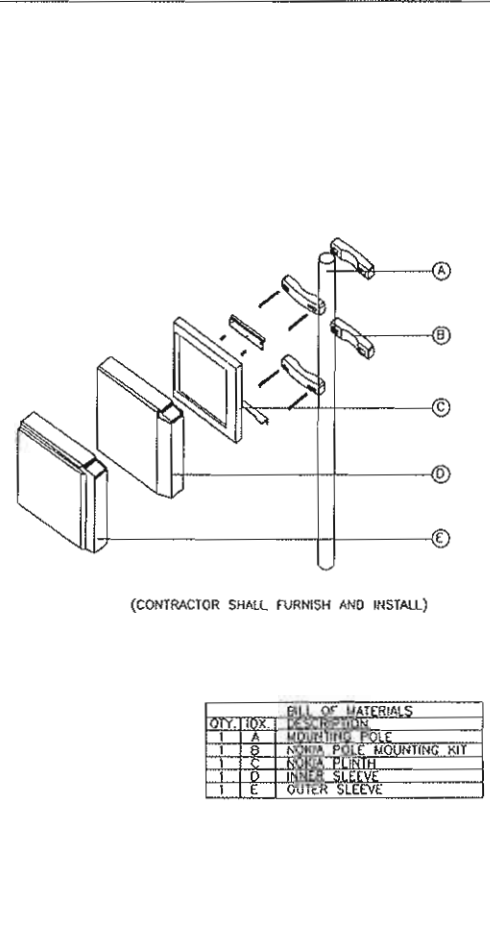
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NO.	DATE	DESCRIPTION
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A	03/06/09	FOR REVIEW

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 COMPOUND PLAN

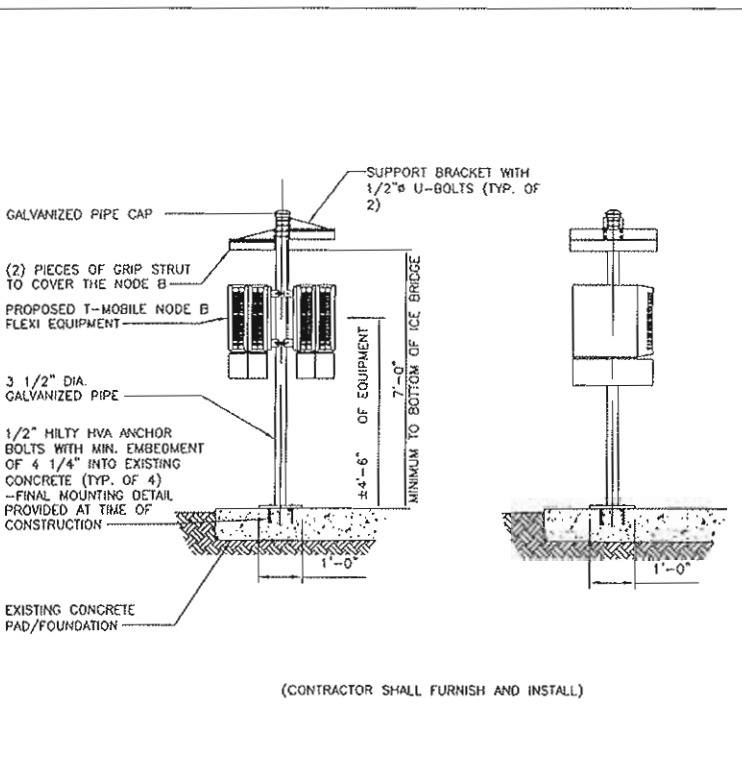
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**C-1** **0**



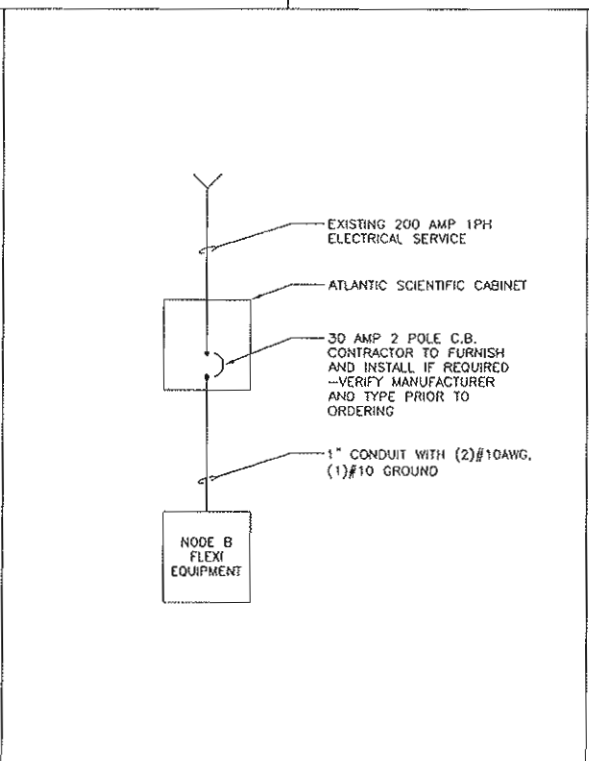
1 NODE B FLEXI CONNECTION DETAIL  
N.T.S.



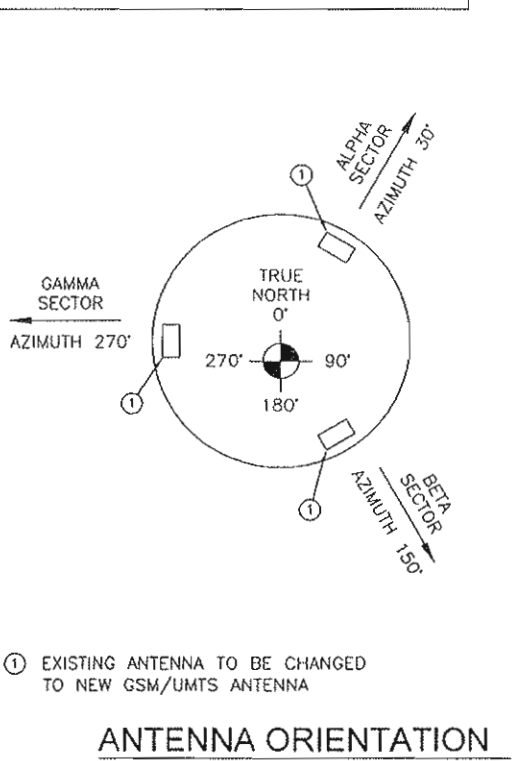
2 NODE B FLEXI MOUNT ASSEMBLY  
N.T.S.



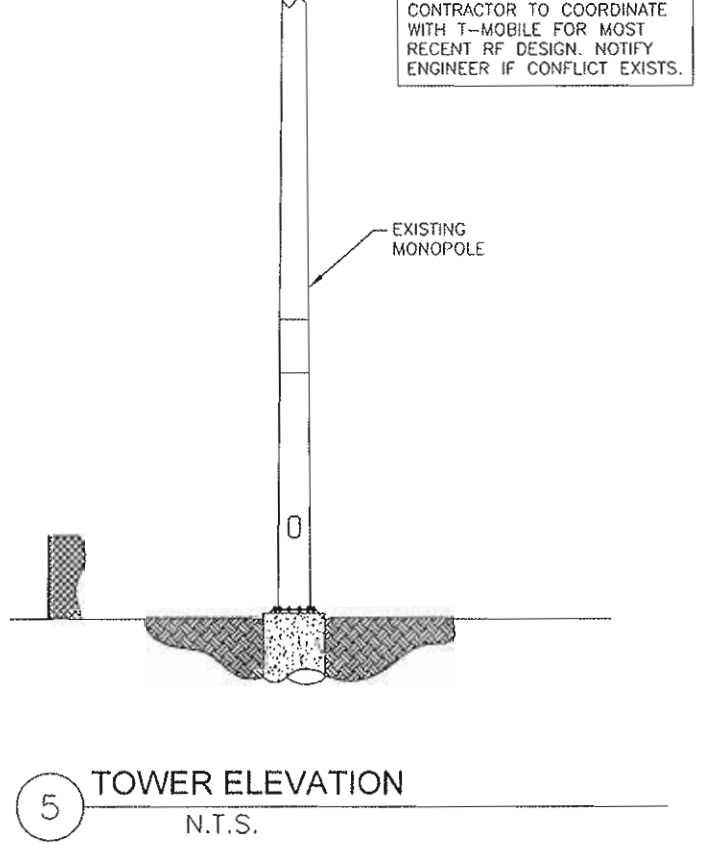
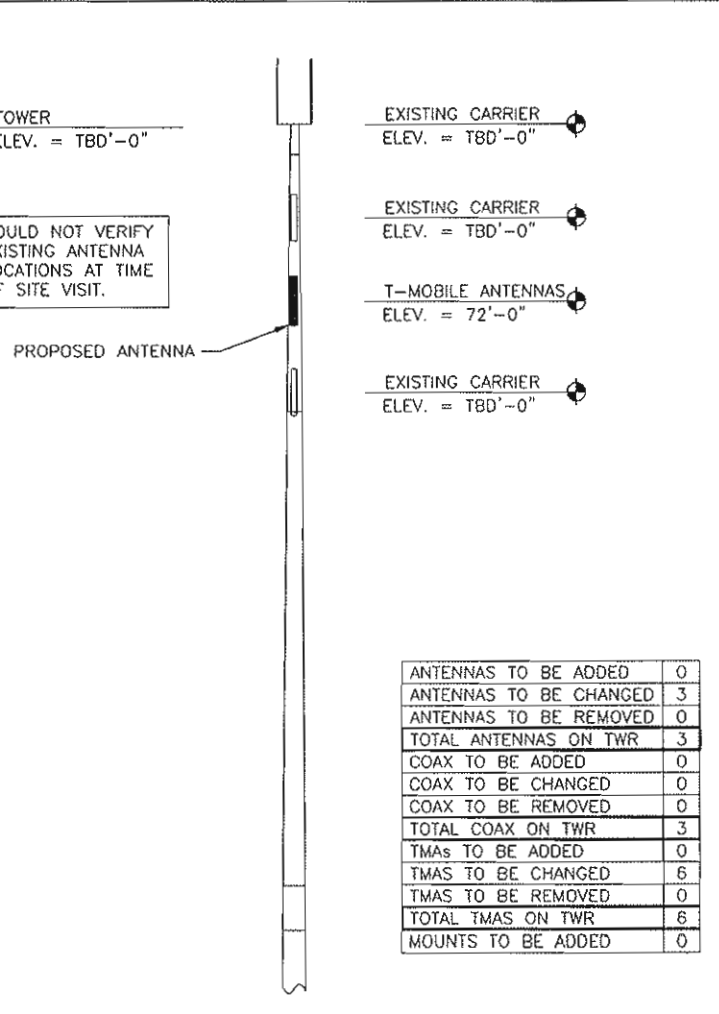
3 NODE B FLEXI MOUNTING ELEVATION  
N.T.S.



4 ONE LINE DIAGRAM  
N.T.S.



5 TOWER ELEVATION  
N.T.S.



**T-Mobile**

555 NORTH NEW BALLAS ROAD,  
SUITE 350  
ST. LOUIS, MO 63141

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WIRELESS SITE DESIGN, INC

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6247 AMBER HILLS ROAD  
BIRMINGHAM, ALABAMA 35173  
PHONE: 205.956.0198  
FAX: 205.956.2632

STATE OF MISSOURI

STEPHEN E. HUNT

3-11-09

NUMBER PE-2007005039

PROFESSIONAL ENGINEER

SITE NAME:  
SPRINT/ ST. THOMAS UCC

SITE NUMBER:  
MO06308D

SITE ADDRESS:  
17848A WILDHORSE CREEK  
CHESTERFIELD, MO 63005

DRAWN BY: DWS

CHECKED BY: SEH

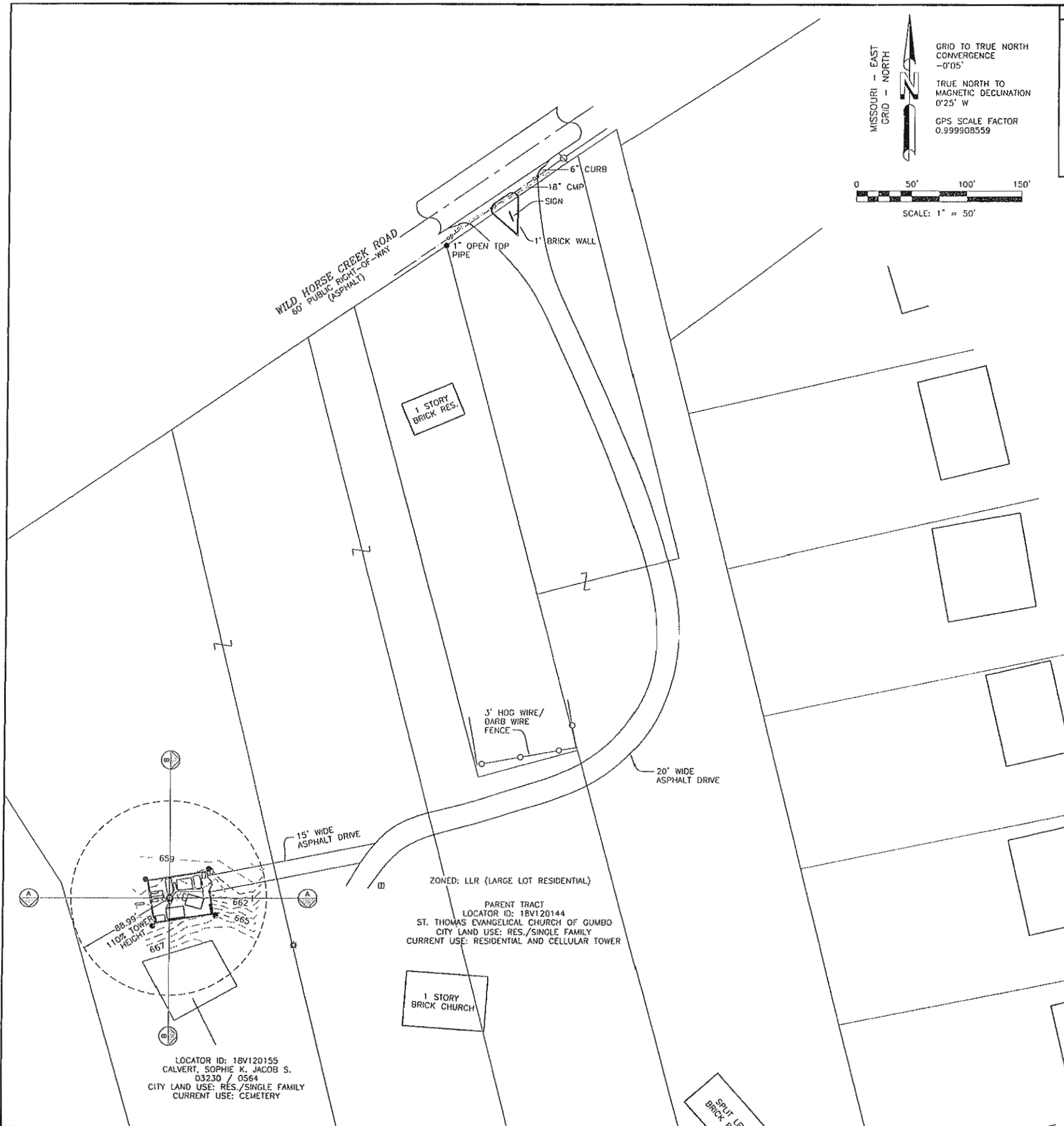
REVISIONS			
NO.	DATE	DESCRIPTION	
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A	03/06/09	FOR REVIEW	

SHEET TITLE:  
DETAILS & TOWER ELEVATION

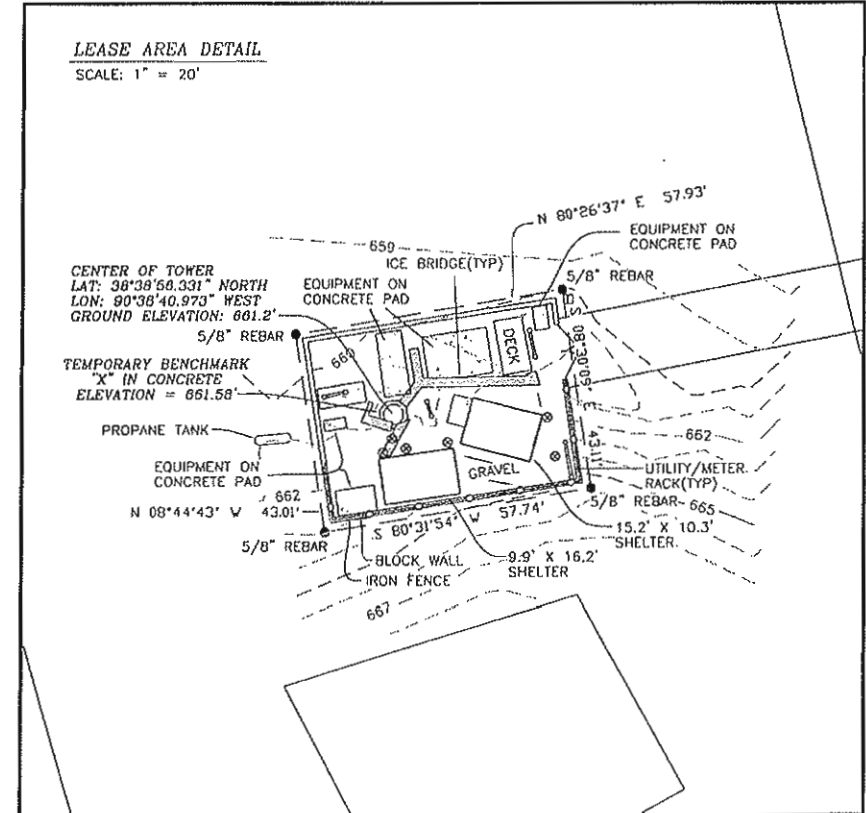
DRAWING NO. C-2

REVISION: 0





TOWER INFO	VICINITY MAP	LEGEND
TOWER TYPE: 81' MONOPOLE TOWER		□ = POWER BOX
CENTER OF TOWER LATITUDE: 38°38'56.331" NORTH LONGITUDE: 90°38'40.973" WEST GROUND ELEVATION: 661.2' ABOVE MEAN SEA LEVEL TOP OF TOWER ELEVATION: 742.1' ABOVE MEAN SEA LEVEL HIGHEST APPURTENANCE (LIGHTNING ROD) ELEVATION: 749.9' ABOVE MEAN SEA LEVEL SITE ADDRESS: 17846A WILD HORSE CREEK CHESTERFIELD, MISSOURI 63005		○ = 5/8" CAPPED REBAR SET (SMW)
	NOT TO SCALE	□ = TELEPHONE PEDESTAL
		○ = WATER VALVE
		○ = LIGHT POLE
		○ = POWER POLE
		○ = GUY ANCHOR
		○ = CALCULATED POINT
		(R) = RECORDED INFORMATION
		○ = GROUNDING ROD
		○ = FOUND PROPERTY MARKER
		□ = SET PK NAIL
		○ = TEMPORARY BENCH MARK "X" IN CONCRETE
		POB = POINT OF BEGINNING
		POC = POINT OF COMMENCEMENT
		POE = POINT OF ENDING
		--- = ROW = RIGHT-OF-WAY
		--- = SETBACK
		--- = OVERHEAD POWER
		○ = 4' IRON ROD FENCE



DISTANCE FROM TOWER	NAME AND ADDRESS
257'	DOWNY, GREGORY J. & M. JEANNE 31D STEEPLE LN. CHESTERFIELD, MISSOURI 63005
316'	MCKENDRY, ROBERT E. & MARGARET M. 344 STEEPLE LN. CHESTERFIELD, MISSOURI 63005
470'	QUEATHEN, VERNON E. & RUTH E. 17846 WILD HORSE CREEK RD. CHESTERFIELD, MISSOURI 63005
580'	ALTC, JOSEPH YVONNE 997 TARA OAKS DR. CHESTERFIELD, MISSOURI 63005
662'	DAVIES, LINDA ANN - TRUSTEE 998 TARA OAKS DR. CHESTERFIELD, MISSOURI 63005
717'	MEURET, KEVIN J. & BETHANY L. 18010 TARA OAKS CT. CHESTERFIELD, MISSOURI 63005
720'	CODLEY, DEBORAH T. 18011 TARA OAKS CT. CHESTERFIELD, MISSOURI 63005
728'	RANDAZZO, STEPHEN J. & PATRICIA A. 1017 SAVONNE CT. CHESTERFIELD, MISSOURI 63005
749'	NEAL, KENNETH G. & LAUREL L. 1021 SAVONNE CT. CHESTERFIELD, MISSOURI 63005
780'	ONESKO, DOUGLAS E. & KIM M. 1013 SAVONNE CT. CHESTERFIELD, MISSOURI 63005

SPRINT ST. THOMAS  
 MO06308D  
 U.S. SURVEYS 102 AND 479,  
 TOWNSHIP 45 NORTH, RANGE 3 EAST  
 ST. LOUIS COUNTY, MISSOURI

NO.	REVISION	DATE	BY

PROJECT NO. 09-0269

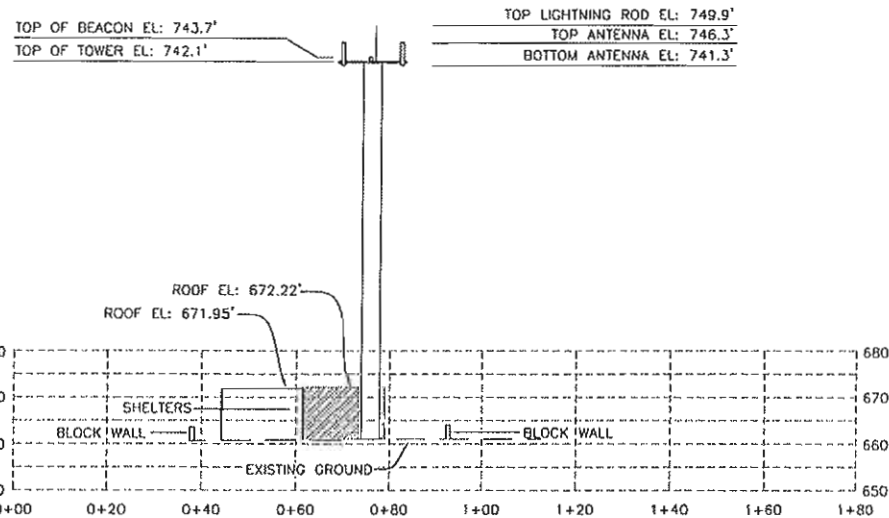
DRAWN BY: PWK  
 CHECKED BY: ANK  
 FIELD CREW: WHS  
 APPROVED BY: WHS  
 DATE: 06/23/09  
 SCALE: AS SHOWN  
 SHEET 1 OF 3

AS-BUILT

FOR: T-MOBILE CENTRAL LLC

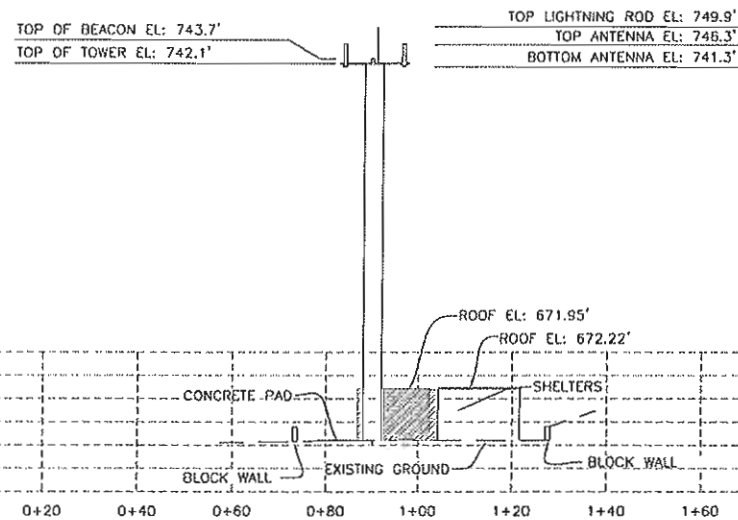
2001 BUTTERFIELD ROAD,  
 SUITE 1900  
 DOWNERS GROVE, IL 60515

SMW Engineering Group, Inc.  
 1550 Woods of Riverchase Drive  
 Suite 100  
 Hoover, Alabama 35244  
 Ph: 205-252-6985  
 www.smweng.com



SECTION A-A PROFILE

SCALE: HORIZ.: 1"=20'  
VERT.: 1"=20'



SECTION B-B PROFILE

SCALE: HORIZ.: 1"=20'  
VERT.: 1"=20'

PARENT TRACT

(Deed Book 4387, Page 271)

A tract of land in U.S. Surveys 102 and 479, Township 45 North, Range 3 East, being a part of tract conveyed to Philip A. Fick by deed recorded in Book 610, page 219 of the St. Louis County Records, and described as follows: Beginning at an iron pipe in the Southeast line of New Wild Horse Creek Road, distant South 55 degrees 45 minutes West 488.49 feet from the intersection of said line with the Eastern line of tract conveyed to Philip A. Fick by deed recorded in Book 610 page 219 of the St. Louis County Records, thence South 13 degrees 37 minutes East 1235.87 feet to an iron pipe in the Southern line of said Philip A. Fick tract, distant South 78 degrees 12 minutes West 471 feet from the Southeast corner thereof; thence along said Southern line South 78 degrees 12 minutes West 157.78 feet to an old stone at the Southwest corner thereof, thence along the Western line of said Philip A. Fick tract North 15 degrees 52 minutes West 851.47 feet to an iron pipe and North 32 degrees 45 minutes West 288.43 feet to an iron pipe in the Southeastern line of said Wild Horse Creek Road; thence along said road line North 55 degrees 45 minutes East 305.28 feet to the place of beginning, containing 5.26 acres, according to survey by Elbring Surveying Company, during February, 1954.

EXCEPTING THEREFROM that part thereof condemned by County of St. Louis for widening Wild Horse Creek Road, by instrument recorded in Book 1259, page 67 of the St. Louis County Records.

EXCEPTING THEREFROM the following portion of the above property set aside as a family graveyard or burying ground: Beginning at a point in the East line of the above property distant South 13 degrees 37 minutes West 458.83 feet from its intersection with the Southeast line of Wild Horse Creek Road; thence South 72 degrees 48 minutes West 71.03 feet to the point of beginning of said excepted portion; thence South 72 degrees 48 minutes West 65.73 feet to a point; thence South 28 degrees 12 minutes East 61.10 feet to a point; thence North 61 degrees 03 minutes East 65.25 feet to a point; thence North 29 degrees 04 minutes West 47.72 feet to the beginning.

APPURTENANT to the above property is an easement for roadway over the North 50 feet of property adjoining on the East for use and benefit of owners of the above property herein conveyed and excepted for graveyard and burying ground, according to instruments recorded in Book 3230, page 563 and in Book 3250, page 564. Said appurtenant easement is hereby conveyed and confirmed to Second Party herein, subject to right of First Parties, their heirs and assigns to jointly use same as a way of access to and from said graveyard or burying ground. Said above property is conveyed to Second Party on condition it is used for Church, Churchyard, Cemetery, Church parking, Christian education, Christian recreation, or related purposes. If Second Party discontinues using same for all of said purposes, then the above property shall revert to First Parties, their respective heirs and assigns.

(Deed Book 4387, Page 279)

Parcel No. 1. A tract of land in U.S. Surveys 102 and 479, Township 45 North, Range 3 East, in St. Louis County, Missouri, and being a part of a tract conveyed to Philip A. Fick by deed recorded in Book 610 Page 219 of the St. Louis County records and described as follows: Beginning at an iron pipe in the Southeast line of New Wild Horse Creek Road distant South 55 degrees 45 minutes West 338.49 feet from the intersection of said road line with the Eastern line of tract conveyed to Philip A. Fick by deed recorded in Book 610 page 219 of the St. Louis County records; thence South 14 degrees 21 minutes East 1293.81 feet to a point in the Southern line of said tract distant South 78 degrees 12 minutes West 314 feet from the Southeast corner of said tract; thence along said Southern line South 78 degrees 12 minutes West 157 feet to an iron pipe; thence North 13 degrees 37 minutes West a distance of 1235.87 feet to an iron pipe in the Southeastern line of said Wild Horse Creek Road; and thence along said road line North 55 degrees 45 minutes East 150 feet to the place of beginning containing 4.32 acres according to survey executed by Elbring Surveying Company during February 1954.

Parcel No. 2. A tract of land in U.S. Surveys 102 and 479, Township 45 North, Range 3 East, in St. Louis County, Missouri, and being a part of a tract conveyed to Philip A. Fick by deed recorded in Book 610, page 219 of the St. Louis County records and described as follows: Beginning at a point in the Southeastern line of New Wild Horse Creek Road distant South 55 degrees 45 minutes West a distance of 288.49 feet from the intersection of said Road line with the Eastern line of tract conveyed to Philip A. Fick by deed recorded in Book 610 page 219 of the St. Louis County records, said point being the Northwest corner of tract conveyed to Vernon E. Queothem and wife by deed recorded in Book 4346, page 395 of the St. Louis County records; thence South 15 degrees 01 minutes East along the West line of tract so conveyed to Vernon E. Queothem and wife aforesaid a distance of 444.894 feet to the Southwest corner thereof, thence North 74 degrees 59 minutes East along the South line of tract so conveyed to Vernon E. Queothem and wife a distance of 94.418 feet to the Southeast corner thereof; thence South 15 degrees 01 minutes East 874.09 feet, more or less, to a point in the Southern line of tract so conveyed to Philip A. Fick, aforesaid, distant South 78 degrees 12 minutes West 157 feet from the Southeast corner of tract so conveyed to Philip A. Fick, thence along said South line South 78 degrees 12 minutes West a distance of 157 feet to a point; thence North 14 degrees 21 minutes West a distance of 1293.81 feet to an iron pipe in the Southeast line of said Wild Horse Creek Road; and thence along said Road line North 55 degrees 45 minutes East a distance of 50 feet to the place of beginning.

Subject to easement for roadway purposes over the North part of Parcel 1 above described, according to instrument recorded in Book 3230 page 564 of the St. Louis County Records.

(Deed Book 4387, Page 275)

A tract of land in U.S. Surveys 102 and 479, Township 45 North, Range 3 East, in St. Louis County, Missouri, and being a part of a tract conveyed to Philip A. Fick by deed recorded in Book 610, page 219 of the St. Louis County records and described as follows: Beginning at an iron pipe in the Southeast line of New Wild Horse Creek Road, 60 feet wide, at its intersection with the Eastern line of tract conveyed to Philip A. Fick by deed recorded in Book 610 page 219 of the St. Louis County records; thence along said East line South 14 degrees 10 minutes East 394.03 feet to an iron pipe; thence South 75 degrees 39 minutes West 40 feet to an iron pipe; thence North 14 degrees 10 minutes West 379.54 feet to a point in the Southeast line of said New Wild Horse Creek road; and thence along said Road North 55 degrees 45 minutes East a distance of 42.59 feet to the place of beginning; IS HEREBY CONVEYED SUBJECT TO THE FOLLOWING RESERVATION: The Grantor herein, for herself, her heirs and assigns reserves the joint right to use said strip of land for roadway purposes and such reservation of right of use of said strip for roadway purposes shall at all time be subject to the joint right of use thereof for roadway purposes by Grantee herein, its successors and assigns. In the event Grantor herein, her heirs and assigns jointly use, said strip of land for roadway purposes, she does, for herself, her heirs and assigns, agree to pay one-half (1/2) of the maintenance and upkeep thereof.

That portion of the above property which is described as follows: Beginning at an iron pipe in the Southeast line of New Wild Horse Creek Road, 60 feet wide, at its intersection with the Eastern line of tract conveyed to Philip A. Fick, by deed recorded in Book 610, page 219, of the St. Louis County records; thence along said East line South 14 degrees 10 minutes East 394.03 feet to an iron pipe; thence South 75 degrees 39 minutes West 40 feet to an iron pipe; thence North 14 degrees 10 minutes West 379.54 feet to a point in the Southeast line of said New Wild Horse Creek road; and thence along said Road North 55 degrees 45 minutes East a distance of 42.59 feet to the place of beginning; IS HEREBY CONVEYED SUBJECT TO THE FOLLOWING RESERVATION: The Grantor herein, for herself, her heirs and assigns reserves the joint right to use said strip of land for roadway purposes and such reservation of right of use of said strip for roadway purposes shall at all time be subject to the joint right of use thereof for roadway purposes by Grantee herein, its successors and assigns. In the event Grantor herein, her heirs and assigns jointly use, said strip of land for roadway purposes, she does, for herself, her heirs and assigns, agree to pay one-half (1/2) of the maintenance and upkeep thereof.

(Deed Book 5904, Page 59)

Part of U.S. Survey 102, Township 45 North, Range 3 East in St. Louis County, Missouri, described as follows, to wit: Beginning at an iron pipe in the Southeast line of New Wild Horse Creek Road, 60 feet wide; South 55 degrees 45 minutes West 42.59 feet from its intersection with the Eastern line of tract conveyed to Philip A. Fick by deed recorded in Book 610 page 219 in the Recorder's Office of St. Louis County, Missouri; thence South 14 degrees 10 minutes East 379.54 feet to an iron pipe; thence South 75 degrees 39 minutes West 132.13 feet to an iron pipe; thence North 15 degrees 01 minutes West 329.91 feet to an iron pipe in the South line of New Wild Horse Creek Road; thence along said South line and its continuation Eastwardly North 55 degrees 45 minutes East 188.49 feet to the beginning, containing 1.097 acres; EXCEPTING THEREFROM that part taken for the widening of Wild Horse Creek Road according to instrument recorded in Book 1259 page 67 of the St. Louis County Records.

ALSO EASEMENT appurtenant thereto and rights in said Easement reserved in deed to The St. Thomas Evangelical Church of Gumbo, Missouri in Warranty Deed dated August 25, 1950 over the following property immediately East of the above described tract; That portion of the said property which is described as follows: Beginning at an iron pipe in the Southeast line of New Wild Horse Creek Road, 60 feet wide, at its intersection with the Eastern line of tract conveyed to Philip A. Fick by deed recorded in Book 610, page 219, of the St. Louis County Records; thence along said East line South 14 degrees 10 minutes East 394.03 feet to an iron pipe; thence South 75 degrees 39 minutes West 40 feet to an iron pipe; thence North 14 degrees 10 minutes West 379.54 feet to a point in the Southeast line of said New Wild Horse Creek Road; and thence along said Road North 55 degrees 45 minutes East a distance of 42.59 feet to the place of beginning.

NOTES

1. This is an As-Built Survey, made on the ground under the supervision of a Missouri Licensed Professional Engineer. Date of field survey is May 21, 2009.
2. The following surveying instruments were used at time of field visit: Nikon NPL-3S2, Total Station, Reflectorless and Hiper + Legacy E RTK, GD 1HZ.
3. Bearings are based on Missouri East State Plane Coordinates NAD 83 by GPS observation.
4. No underground utilities, underground encroachments or building foundations were measured or located as a part of this survey, unless otherwise shown. Trees and shrubs not located, unless otherwise shown.
5. Benchmark used is a concrete monument and brass disc. NAVD 88 Datum with an established elevation of 487 feet, (148.3 meters), PID AAB581. Onsite benchmark is as shown hereon. Elevations shown are in feet and refer to NAVD 88.
6. This survey was conducted for the purpose of an As-Built Survey only, and is not intended to delineate the regulatory jurisdiction of any federal, state, regional or local agency, board, commission or other similar entity.
7. Attention is directed to the fact that this survey may have been reduced or enlarged in size due to reproduction. This should be taken into consideration when obtaining scaled data.
8. This Survey was conducted without the benefit of an Abstract Title search.
9. The Geodetic Coordinates and the elevation shown for the proposed centerline of the tower are accurate to within +/- 15 feet horizontally and to within +/- 3 feet vertically (FAA Accuracy Code 1A).
10. Survey shown hereon conforms to the Minimum Requirements as set forth by the State Board for a Class "A" Survey.
11. Field data upon which this map or plot is based has a closure precision of not less than one-foot in 15,000 feet (1":15,000') and an angular error that does not exceed 10 seconds times the square root of the number of angles turned. Field traverse was not adjusted.
12. This survey is not valid without the original signature and the original seal of a state licensed surveyor, mopper or professional engineer.
13. This survey does not constitute a complete boundary survey of the Parent Tract.
14. The subject property is within a residential zoning district.

FLOOD NOTE

The subject property appears to lie in Zone "X" of the Flood Insurance Rate Map Community Panel No. 29189C0120H, which bears an effective date of August 2, 1995 and IS NOT in a special flood hazard area. No field measurements were used in this determination and an elevation certificate may be needed for verification.

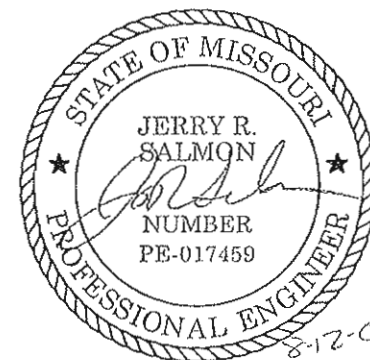
CERTIFICATION

To T-Mobile:

This is to certify that this map or plot and the survey on which it is based were made in accordance with "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys," jointly established and adopted by ALTA, ACSM and NSPS in 2005, and includes Items 1-5, 10, 11(c) & 12 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA, NSPS, and ACSM and in effect on the date of this certification, undersigned further certifies that:

\* the survey measurements were made in accordance with the "Minimum Angle, Distance, and Closure Requirements for Survey Measurements Which Control Land Boundaries for ALTA/ACSM Land Title Surveys."

*Jerry R. Salmon*  
 Jerry R. Salmon  
 Missouri Professional Engineer 017459



DATE	BY
REVISION	
NO.	
PROJECT NO.	09-0269
DRAWN BY: PWK	CHECKED BY: AAK
FIELD CREW: WHS	APPROVED BY: WHS
DATE: 06/23/09	SCALE: AS SHOWN
SHEET: 3 OF 3	
AS-BUILT	2001 BUTTERFIELD ROAD, SUITE 100, DOWNERS GROVE, IL 60515
T-MOBILE	CENTRAL LLC
FOR:	SMW Engineering Group, Inc. 1550 Woods of Riverchase Drive Suite 100 Hoover, Alabama 35244 Ph: 205-252-8985 www.smweng.com

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 ST. LOUIS COUNTY, MISSOURI