

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**APPLICATION OF BLUEGRASS WIRELESS LLC
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC
CONVENIENCE AND NECESSITY TO CONSTRUCT
A CELL SITE (PULASKI WEST) IN RURAL SERVICE
AREA #6 (PULASKI) OF THE COMMONWEALTH OF
KENTUCKY**

CASE NO. 2005-00284

RECEIVED

SEP 12 2005

PUBLIC SERVICE
COMMISSION

**APPLICATION FOR A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY (PULASKI WEST)**

Bluegrass Wireless LLC (“Bluegrass Wireless”), through counsel, pursuant to KRS 278.020 and 278.040, hereby submits this application for a certificate of public convenience and necessity to construct a cell site to be known as the Pulaski West cell site in and for rural service area (“RSA”) #6 of the Commonwealth of Kentucky, namely the counties of Boyle, Casey, Garrard, Laurel, Lincoln, Madison, Pulaski, and Rockcastle, Kentucky.

1. As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Bluegrass Wireless states that it is a Kentucky limited liability company whose full name and post office address are: Bluegrass Wireless LLC, 2902 Ring Road, Elizabethtown, Kentucky, 42701.

2. Pursuant to 807 KAR § 1 (1)(b), a copy of the applicant’s applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit “A”. Written authorizations from these agencies will be supplied to the Commission upon their approval.

3. Pursuant to 807 KRS 5:063 §1(1)(d), a geotechnical investigation report, signed and sealed by a professional engineer registered in Kentucky, that includes boring logs, foundation design recommendations, and a finding as to the proximity of the proposed site to flood hazard areas, except that the utility may file findings prepared by a land surveyor as to the proximity of the proposed site to flood hazard areas, is Exhibit “B”.

4. Pursuant to 807 KRS 5:063 §1(1)(e), clear directions from the county seat to the proposed site, including highway numbers and street names, if applicable, with the telephone number of the person who prepared the directions are Exhibit “C”.

5. Pursuant to 807 KRS 5:063 §1(1)(f), a copy of the lease (or sale agreement) for the property on which the tower is proposed to be located, is Exhibit “D”.

6. Pursuant to 807 KAR §1(1)(g), experienced personnel will manage and operate the Pulaski West cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Bluegrass Wireless, of which system the Pulaski West cell site will be a part. Bluegrass Cellular Inc. provides management services to Bluegrass Wireless under a management contract, just as it does with three (3) other wireless carriers in the Commonwealth. And, Bluegrass Cellular Inc. has been providing these management services to these other wireless carriers for well over a decade. This extensive management experience with Bluegrass Cellular demonstrates that Bluegrass Cellular Inc.'s management and technical ability to supervise the operations of a wireless carrier.

7. Pursuant to 807 KAR §1(1)(g), East Pointe Manufacturing is responsible for the design specifications of the proposed tower (identified in Exhibit “B”).

8. Pursuant to 807 KRS 5:063 §1(1)(h), a site development plan or survey, signed and sealed by a professional engineer registered in Kentucky, that shows the proposed location of the tower and all easements and existing structures within 500 feet of the proposed site on the property on which the tower will be located, and all easements and existing structures within 200 feet of the access drive, including the intersection with the public street system, is Exhibit “B”.

9. Pursuant to 807 KRS 5:063 §1(1)(i), a vertical profile sketch of the tower, signed and sealed by a professional engineer registered in Kentucky, indicating the height of the tower and the placement of all antennas; is Exhibit “B”.

10. Pursuant to 807 KRS 5:063 §1(1)(j), the tower and foundation design plans and a description of the standard according to which the tower was designed, signed and sealed by a professional engineer registered in Kentucky, is Exhibit “B”.

11. Pursuant to 807 KRS 5:063 § 1 (1)(k), a map, drawn to a scale no less than one (1) inch equals 200 feet, that identifies every structure and every owner of real estate within 500 feet of the proposed tower, is Exhibit “E”.

12. Pursuant to 807 KRS 5:063 § 1 (1)(l), applicant’s legal counsel hereby affirms that every person who owns property within 500 feet of the proposed tower has been: (i) notified by certified mail, return receipt

requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his right to request intervention.

13. Pursuant to KRS 278.665(2), applicant's legal counsel hereby affirms that every person who, according to the records of the property valuation administrator, owns property contiguous to the property where the proposed cellular antenna tower will be located has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his right to request intervention.

14. Pursuant to 807 KRS 5:063 §1(1)(m), a list of the property owners who received the notice together with copies of the certified letters sent to listed property owners, is Exhibit "F".

15. Pursuant to 807 KRS 5:063 § 1 (1)(n), applicant's legal counsel hereby affirms that the Pulaski County Judge Executive has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of its right to request intervention.

16. Pursuant to 807 KRS 5:063 §1(1)(o), a copy of the notice sent to the Pulaski County Judge Executive is Exhibit "G".

17. Pursuant to 807 KRS 5:063 § 1 (1)(p), applicant's legal counsel hereby affirms that (i) two written notices meeting subsection two (2) of this section have been posted, one in a visible location on the proposed site and one on the nearest public road; and (ii) the notices shall remain posted for at least two weeks after the application has been filed.

18. Pursuant to 807 KAR 5:063 § 1 (2)(a), applicant's legal counsel affirms that:

(a) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Bluegrass Wireless, LLC proposes to construct a telecommunications tower on this site***", including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted and shall remain in a visible location on the proposed site until final disposition of the application; and

(b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "***Bluegrass Wireless, LLC proposes to construct a telecommunications tower near this site***", including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted on the public road nearest the site.

A copy of each sign is attached as Exhibit "H"

19. Pursuant to 807 KRS 5:063 § 1 (1)(q), a statement that notice of the location of the proposed construction has been published in a newspaper of general circulation in the county in which the construction is proposed, is Exhibit “I”.

20. Pursuant to 807 KRS 5:063 § 1(1)(r), the cell site which has been selected is in a relatively undeveloped area in Eubank, Kentucky.

21. Pursuant to 807 KRS 5:063 §1(1)(s), Bluegrass Wireless has considered the likely effects of the installation on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided, and that there is no reasonably available opportunity to co-locate, including documentation of attempts to co-locate, if any, with supporting radio frequency analysis, where applicable, and a statement indicating that the utility attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.

22. Pursuant to 807 KRS 5:063 § 1(1)(t), a map of the area in which the tower is proposed to be located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located is Exhibit “J”.

23. Pursuant to KRS 100.987(2)(a), a grid map, that is drawn to scale, that shows the location of all existing cellular antenna towers and that indicates the general position of proposed construction sites for new cellular antenna towers is Exhibit “K”.

24. No reasonably available telecommunications tower, or other suitable structure capable of supporting the cellular facilities of Bluegrass Wireless and which would provide adequate service to the area exists.

25. Correspondence and communication with regard to this application should be addressed to:

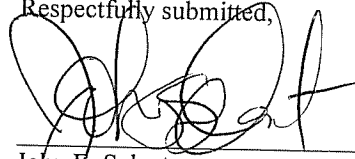
John E. Selent
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300
selent@dinslaw.com

WHEREFORE, Bluegrass Wireless Partnership requests the Commission to enter an order:

1 . Granting a certificate of public convenience and necessity to construct the Pulaski West cell site;
and

2. Granting all other relief as appropriate.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John E. Selent", written over a horizontal line.

John E. Selent

DINSMORE & SHOHL, LLP

1400 PNC Plaza

500 West Jefferson Street

Louisville, KY 40202

(502) 540-2300

(502) 540-2207

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33597-5

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—
OF COUNSEL
JOHN J. MCAVOY*
J.K. HAGE III*
LEONARD S. KOLSKY*
HON. GERALD S. MCGOWAN*

*NOT ADMITTED IN VA

July 14, 2005

Via Federal Express

Mr. John Houlihan
Kentucky Airport Zoning Commission
200 Mero Street
Frankfort, Kentucky 40622


Dear Mr. Houlihan:

Enclosed please find two completed TC 56-50 forms, Application for Permit to Construct or Alter a Structure, for a new tower (Pulaski West) near Somerset, Kentucky. The Structure will have an overall height of 255 feet Above Ground Level.

Enclosed Form TC 56-50 and the attached exhibit include all the pertinent information for this existing tower structure. Also enclosed are copies of the completed FAA Form 7460-1 for the proposed site, a non-reduced 7-1/2' U.S. Geological Survey map indicating the exact location of the site, and a copy of the 1A Certification survey.

Please do not hesitate to contact the undersigned if there are questions regarding this matter.

Sincerely,


Leila Rezanavaz
Consulting Engineer

Enclosures

CC: Scott McCloud

Telephone
(703)584-8668
FACSIMILE
(703) 584-8692

Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 125 Holmes Street, Frankfort KY 40622

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

1. APPLICANT - Name, Address, Telephone, Fax, etc.

Scott McCloud
Bluegrass Cellular
2902 Ring Road
Elizabethtown, KY 42701

T: 270-769-0339

9. Latitude: 37 ° 5 ' 46 40 "

10. Longitude: 84 ° 50 ' 33 90 "

11. Datum: NAD 83 NAD 27 Other _____

12. Nearest Kentucky City Somerset County: Pulaski

13. Nearest Kentucky public use or Military airport:
Somerset-Pulaski County Airport

14. Distance from #13 to Structure: 12.8 miles

15. Direction from #13 to Structure: WNW

16. Site Elevation (AMSL): 1129.0 Feet

17. Total Structure Height (AGL): 255.0 Feet

18. Overall Height (#16 + #17) (AMSL): 1384.0 Feet

19. Previous FAA and/or Kentucky Aeronautical Study Number(s):
N/A

2. Representative of Applicant - Name, Address, Telephone, Fax

Leila Rezanavaz
Lukas, Nace, Gutierrez & Sachs, Chartered
1650 Tysons Blvd., Suite 1500
McLean, VA 22102

T: 703-584-8668

20. Description of Location: (Attach a USGS 7.5 minute Quadrangle Map or an Airport Layout Drawing with the precise site marked and any certified survey)

The Pulaski West site is located 13.0 miles West of Somerset, KY.

3. Application for: New Construction Alteration Existing

4. Duration: Permanent Temporary (Months _____ Days _____)

5. Work Schedule: Start 7/25/05 End 7/30/05

6. Type: Antenna Tower Crane Building Power Line
 Landfill Water Tank Other _____

7. Marking/Painting and/or Lighting Preferred:

Red Lights and Paint Dual - Red & Medium Intensity White
 White - Medium Intensity Dual - Red & High Intensity White
 White - High Intensity Other _____

8. FAA Aeronautical Study Number N/A

21. Description of Proposal:

Structure: The proposed structure has an overall height of 255' AGL.

Max ERP: 200 Watts

Frequency: 1975-1982.5 MHz

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1) been filed with the Federal Aviation Administration?

No

Yes, When 7/14/2005

CERTIFICATION: I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Leila Rezanavaz

Leila Rezanavaz
Signature

7/14/2005
Date

Printed Name

PENALTIES: Persons failing to comply with Kentucky Revised Statutes (KRS 183.861 through 183.990) and Kentucky Administrative Regulations (602 KAR 050: Series) are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Non-compliance with Federal Aviation Administration Regulations may result in further penalties.

Commission Action:

Chairman, KAZC

Administrator, KAZC

Approved

Disapproved

Date _____

1A Certification

July 6, 2005

Designation: Pulaski West
Site ID No.: Not Available
Tower Type: Proposed Self-Support Tower
Location: 1715 N. Minton Road, Nancy, Kentucky 42544

I certify that the latitude, longitude, ground elevation and height of the proposed self-support tower are as follows:

Latitude:	37 degrees 05 minutes 46.40 seconds North	(NAD 1983)
Longitude:	84 degrees 50 minutes 33.90 seconds West	(NAD 1983)
Ground Elevation:	1,129.0 feet or 344.1 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

The accuracy of the latitude and longitude of the proposed self-support tower is ± 15 feet or ± 5 meters. The ground elevation and structure height are accurate to within ± 3 feet or ± 1 meter.

The information shown above is based upon field observations made on June 9, 2005 using the National Geodetic Survey monument "TARTER 2 RM 4" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop 3 software.

Landmark Surveying Co., Inc.

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

LUKAS, NACE GUTIERREZ & SACHS

CHARTERED

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HON. GERALD S. MCGOWAN*
*NOT ADMITTED IN VA

July 14, 2005

Via Federal Express

EXPRESS PROCESSING CENTER
Federal Aviation Administration
Southwest Regional Office
Air Traffic Airspace Branch, ASW-520
2601 Meacham Blvd.
Fort Worth, TX 76137-4298

Tel: 703-584-8668

Dear FAA Evaluator:

Enclosed please find a completed FAA Form 7460-1, Notice of Proposed Construction/Alteration, for a new tower structure (Pulaski West) near Somerset, Kentucky. The height of the structure, including top-mounted PCS antennas, will be 255 feet Above Ground Level ("AGL").

The enclosed FAA Form 7460-1 and the attached Exhibit include all the pertinent information for the new structure at this site. Also enclosed is a non-reduced copy of a portion of the 7-1/2' US Geological Survey map illustrating the location of the proposed cell site. Additionally, the copy of the 1A Certification is enclosed. Please do not hesitate to contact the undersigned if there are questions regarding this matter.

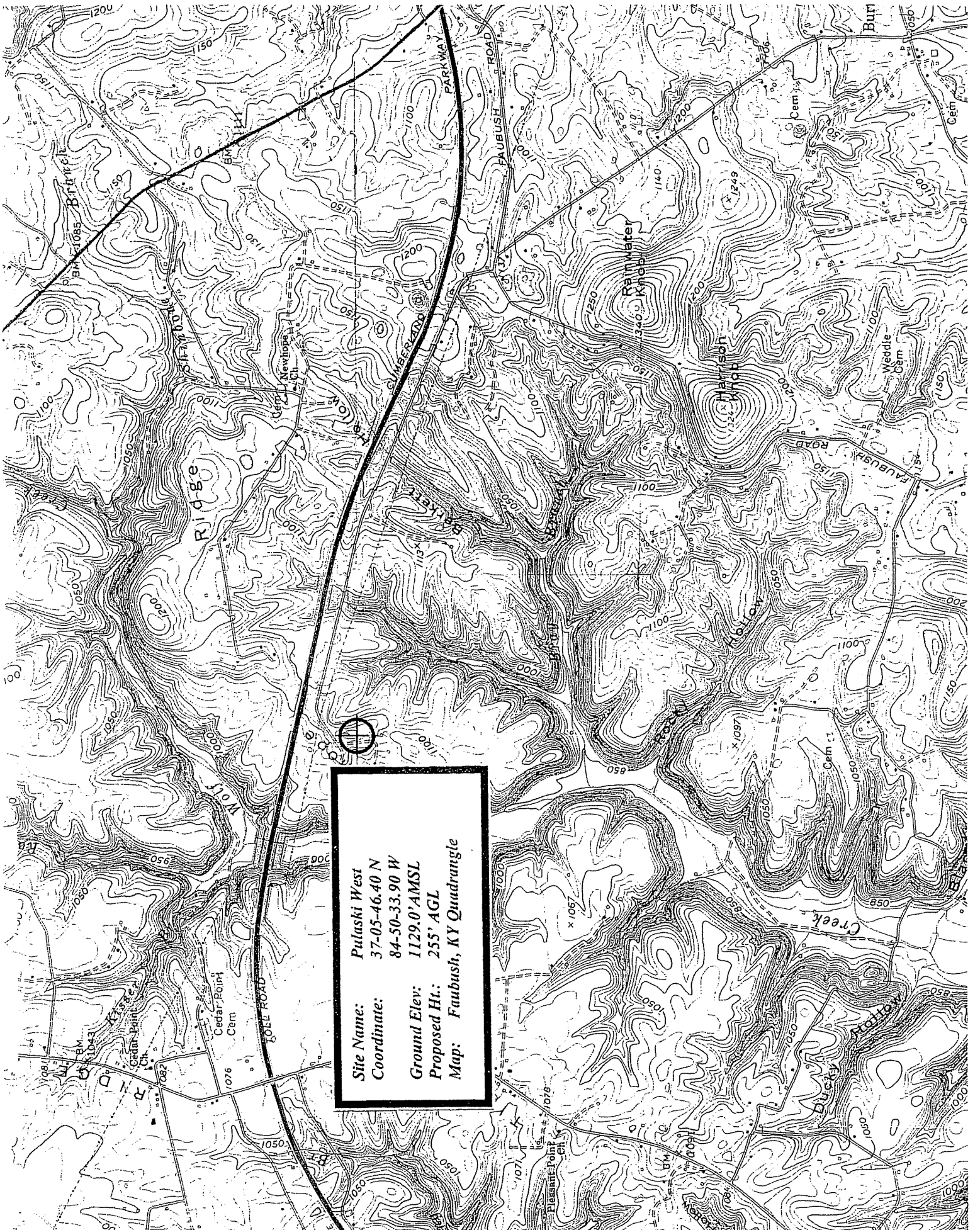
Sincerely,



Leila Rezanavaz
Consulting Engineer

Enclosures

cc: Scott McCloud



Site Name: *Pulaski West*
Coordinate: *37-05-46.40 N
84-50-33.90 W*
Ground Elev: *1129.0' AMSL*
Proposed Ht.: *255' AGL*
Map: *Faubush, KY Quadrangle*

1A Certification

July 6, 2005

Designation: Pulaski West
Site ID No.: Not Available
Tower Type: Proposed Self-Support Tower
Location: 1715 N. Minton Road, Nancy, Kentucky 42544

I certify that the latitude, longitude, ground elevation and height of the proposed self-support tower are as follows:

Latitude:	37 degrees 05 minutes 46.40 seconds North	(NAD 1983)
Longitude:	84 degrees 50 minutes 33.90 seconds West	(NAD 1983)
Ground Elevation:	1,129.0 feet or 344.1 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

The accuracy of the latitude and longitude of the proposed self-support tower is ± 15 feet or ± 5 meters. The ground elevation and structure height are accurate to within ± 3 feet or ± 1 meter.

The information shown above is based upon field observations made on June 9, 2005 using the National Geodetic Survey monument "TARTER 2 RM 4" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop 3 software.

Landmark Surveying Co., Inc.

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

GEOTECHNICAL ENGINEERING REPORT

**PROPOSED PULASKI WEST TOWER
MINTON ROAD
INGLE, KENTUCKY**

**TERRACON PROJECT NO.: 57057335G
August 29, 2005**

Prepared For:

**RSB DESIGN/BLUEGRASS CELLULAR
Louisville, Kentucky**

Prepared by:

Terracon

Louisville, Kentucky

Terracon

August 29, 2005

Terracon
Consulting Engineers & Scientists

Bluegrass Cellular
c/o RSB Design
6403 Mercury Drive
Louisville, Kentucky 40291

Terracon Consultants, Inc.
5217 Linbar Drive, #309
Nashville, Tennessee 37211
Phone 615.333.6444
Fax 615.333.6443
www.terracon.com

Attention: Mr. Robin Becker

**Re: Geotechnical Engineering Report
Proposed Pulaski West Tower
Minton Road
Ingle, Pulaski County, Kentucky
Terracon Project No.: 57057335G**

Dear Mr. Becker:

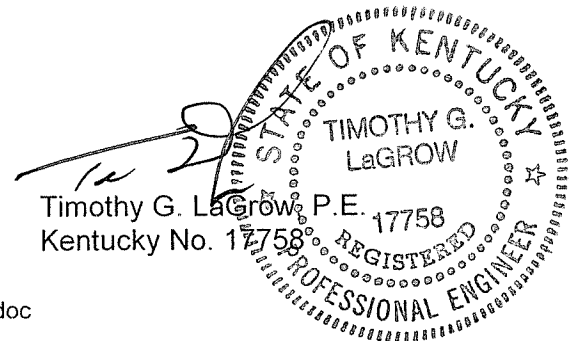
We are submitting, herewith, the results of our subsurface exploration for the referenced project. The purpose of this exploration was to obtain information on subsurface conditions at the proposed project site and, based on this information, to provide recommendations regarding the design and construction of foundations for the proposed tower.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service to you in any way, please feel free to contact us.

Sincerely,
Terracon



Shaikh Z. Rahman, EIT.
Staff Engineer



n:\projects\2005\towers\57057335GPulasky_West\geo57057335G.doc

Attachments: Geotechnical Engineering Report

Copies: (4) RSB Design

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GEOTECHNICAL ENGINEERING REPORT

PROPOSED PULASKI WEST TOWER
MINTON ROAD
INGLE, PULASKI COUNTY, KENTUCKY
TERRACON PROJECT NO.: 57057335G
August 29, 2005

1.0 INTRODUCTION

The purpose of this report is to describe the subsurface conditions encountered in the boring, analyze and evaluate the test data, and provide recommendations regarding the design and construction of foundations and earthwork for the proposed tower. One boring extending to a depth of about 41 feet below the existing ground surface was drilled at the site. An individual boring log and a boring location plan are included with this report.

2.0 PROJECT DESCRIPTION

Terracon understands the proposed project will consist of the construction of a 240-foot self supporting lattice. Exact tower loads are not available, but based on our past experience are anticipated to be as follows:

Vertical Load:	600 kips
Horizontal Shear:	80 kips
Uplift:	500 kips

A small, lightly loaded equipment building will also be constructed. Wall and floor loads for this building are not anticipated to exceed 1 kip per linear foot and 100 pounds per square foot, respectively. At the time of the site visit, the property was a moderately sloping, wooded parcel of land. Existing grades within the tower leasehold area were not available as of this writing. Based on our visual observation and the proposed construction, minimal grading operations are anticipated except for the access road that will likely require significant cut and fill at various locations along the right-of-way.

3.0 EXPLORATION PROCEDURES

3.1 Field Exploration

The subsurface exploration consisted of drilling and sampling one boring at the site to a depth of about 41 feet below existing grade. The boring was advanced at the center of the proposed tower, as staked by the project surveyor. Ground surface elevations were not available at the time of this report and have been omitted from the boring log. The location of the boring should be considered accurate only to the degree implied by the means and methods used to define them.

The boring was drilled with a truck-mounted rotary drill rig using hollow stem augers to advance the borehole. Representative soil samples were obtained by the split-barrel sampling procedure in general accordance with the appropriate ASTM standard. In the split-barrel sampling procedure, the number of blows required to advance a standard 2-inch O.D. split-barrel sampler the last 12 inches of the typical total 18-inch penetration by means of a 140-pound hammer with a free fall of 30 inches, is the standard penetration resistance (SPT) value (N-Value). This value is used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils. The sampling depths, penetration distance, and standard penetration resistance values are shown on the boring log. The samples were sealed and delivered to the laboratory for testing and classification.

Auger refusal was encountered at a depth of about 31 feet below the existing ground surface. The boring was extended into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of each drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the "percent recovery" and rock quality designation (RQD) was determined.

The "percent recovery" is the ratio of the sample length retrieved to the drilled length, expressed as a percent. An indication of the actual in-situ rock quality is provided by calculating the sample's RQD. The RQD is the percentage of the length of broken cores retrieved which have core segments at least 4 inches in length compared to each drilled length. The RQD is related to rock soundness and quality as illustrated below:

Table 1 – Rock Quality Designation (RQD)

Relation of RQD and In-situ Rock Quality	
RQD (%)	Rock Quality
90 - 100	Excellent
75 - 90	Good
50 - 75	Fair
25 - 50	Poor
0 -25	Very Poor

A field log of the boring was prepared by a subcontract driller. This log included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. The final boring log included with this report represents an interpretation of the driller's field log, a visual classification of the soil samples made by a Geotechnical Engineer as well as the engineer's interpretation of the subsurface conditions between samples.

3.2 Laboratory Testing

The samples were classified in the laboratory based on visual observation, texture and plasticity. The descriptions of the soils indicated on the boring log are in accordance with the enclosed General Notes and the Unified Soil Classification System. Estimated group symbols according to the Unified Soil Classification System are given on the boring log. A brief description of this classification system is attached to this report.

The laboratory testing program consisted of performing water content tests and an Atterberg Limits test on representative soil samples. A calibrated hand penetrometer was used to estimate the approximate unconfined compressive strength of the samples. The calibrated hand penetrometer has been correlated with unconfined compression tests and provides a better estimate of soil consistency than visual examination alone. Information from these tests was used in conjunction with field penetration test data to evaluate soil strength in-situ, volume change potential, and soil classification. Results of these tests are provided on the boring log.

Classification and descriptions of rock core samples are in accordance with the enclosed General Notes, and are based on visual and tactile observations. Petrographic analysis of thin sections may indicate other rock types. Percent recovery and rock quality designation (RQD) were calculated for these samples and are noted at their depths of occurrence on the boring log.

4.0 EXPLORATORY FINDINGS

4.1 Subsurface Conditions

Conditions encountered at the boring location are indicated on the boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types and the transition between materials may be gradual. Water levels shown on the boring log represent the conditions only at the time of our exploration. Based on the results of the boring, subsurface conditions on the project site can be generalized as follows.

The boring encountered about 6 inches of topsoil overlying fat clay (CH) with chert to about 12 feet below grade. Below this depth, the profile transitions into sandy clay (CL) and clayey sand (SC) extending to bedrock at about 31 feet below grade. The fat and sandy clays encountered in the upper about 17 feet exhibited a stiff to very stiff consistency based on standard penetration test (N) values in the range of 14 to 29 blows per foot (bpf). The clayey sand was medium dense with an N-value of 28 bpf. Below about 22 feet, the profile softens as evidenced by N-values of 5 and 7 bpf.

Below a depth of about 31 feet, rock coring techniques were employed to sample the refusal materials. The bedrock was found to consist of slightly weathered, very thin to thin

bedded limestone with weathered shale seams. The bedrock at the site appears to be relatively continuous as evidenced by a core recovery (REC) of 100 percent. The quality of the rock is rated as poor with an RQD value of 42 percent. Considering the height of the tower and relatively continuous nature of the bedrock, coring operations were terminated at a depth of approximately 41 feet below existing grade.

4.2 Site Geology

Based on the geologic information published by the Geologic Map of Kentucky, U.S. Geological Survey, dated 1988, the site is underlain by the Salem and Warsaw Formation of the Mississippian Period. This formation consists of gray, fine to coarse grained, medium to thick bedded, cherty limestone with brownish gray shale partings. The formation weathers into reddish brown soil that contains irregular fragments of fossiliferous chert. This formation is over 65 feet thick.

It should be noted that the site is underlain by a limestone formation that is highly susceptible to dissolution along joints and bedding planes in the rock mass. This results in voids and solution channels within the rock strata and a highly irregular bedrock surface. The weathering of the bedrock and subsequent collapse or erosion of the overburden into these openings results in what is referred to as a karst topography. Any construction in karst topography is accompanied by some degree of risk for future internal soil erosion and ground subsidence that could affect the stability of the proposed structures. Our review of the available topographic and geologic mapping did not note any sinkholes on or around the site, however several closed depressions are located within a 1 mile radius of the property. Furthermore, the borings drilled at the site disclosed some soil softening with depth, an indication of karst activity, but no obvious signs of impending overburden collapse.

4.3 Groundwater Conditions

No groundwater was encountered during the auger drilling portion of the borehole. Water was used to advance the borehole during rock coring operations. The introduction of water into the borehole precluded obtaining accurate groundwater level readings at the time of drilling operations. Long term observation of the groundwater level in monitoring wells, sealed from the influence of surface water, would be required to obtain accurate groundwater levels on the site.

Fluctuations of the groundwater level can occur due to seasonal variations in the amount of rainfall, runoff, and other factors not evident at the time the boring was performed. Perched water could develop at higher levels within more permeable layers following periods of heavy or prolonged precipitation. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

5.0 ENGINEERING RECOMMENDATIONS

Based on the encountered subsurface conditions, the tower can be constructed on drilled pier foundations. A mat foundation is not recommended due to the potential for karst related settlement and loss of support. The lightly loaded equipment building can be supported on shallow spread footings. However, due to the presence of fat clay (encountered in the upper 12 feet in our boring), some remedial measures are recommended prior to construction of the lightly loaded equipment building foundation. Shallow foundation and drilled pier recommendations are presented in the following paragraphs.

5.1 Tower Foundation

Tower Foundations - Drilled Pier Alternative: The proposed tower can be supported on drilled pier foundations. Based on the results of the boring, the following tower foundation design parameters have been developed:

Drilled Pier Foundation Design Parameters

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, & ₅₀ (in/in)
0 – 3'	Topsoil and Fat Clay	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
3 – 12'	Fat Clay	475	Ignore	2,000	0	2,000	160	0.006
12 – 22'	Sandy Clay and Clayey Sand	425	Ignore	2,000	0	1,500	120	0.007
22 – 31'	Sandy Clay	225	Ignore	1,500	0	500	40	0.02
31 – 41'	Competent Limestone ***	3,500	20,000	7,000	0	70,000	3,000	0.00001

* Pier inspection is recommended to adjust pier length if variable soil/rock conditions are encountered.

** A total unit weight of 115 and 120 pcf can be estimated for fat clays and sandy clay/clayey sands, respectively.

*** The pier should be embedded a minimum of 3 feet into competent limestone to mobilize these higher rock strength parameters. Furthermore, it is assumed the rock socket will be extended using coring techniques rather than blasting/shooting.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have factors of safety of 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on the boring, published correlation values and Terracon's past experience with similar soil/rock types. These values should, therefore, be considered approximate. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. Total settlement of drilled piers designed using the above parameters is not anticipated to exceed ½ inch.

The upper 3 feet of fat clay should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in lateral and uplift resistance caused by variable subsurface conditions and or bedrock depths, the drawings should instruct the contractor to notify the engineer if subsurface conditions significantly different than encountered in the boring are disclosed during drilled pier installations. Under these circumstances, it may be necessary to adjust the overall length of the pier. To facilitate these adjustments and assure that the pier is embedded in suitable materials, it is recommended that a Terracon representative observe the drilled pier excavation.

If a bedrock socket is required, it is recommended that a minimum pier length and minimum competent rock socket length be stated on the design drawings. Competent rock was encountered in the boring below a depth of about 31 feet, but could vary between tower legs or if the tower is moved from the location of the boring. If the tower center is moved from the planned location, Terracon should be notified to review the recommendations and determine whether an additional boring is required. To facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavation.

A drilled pier foundation should be designed with a minimum shaft diameter of 30 inches to facilitate clean out and possible dewatering of the pier excavation. Temporary casing will be required during the pier excavation in order to control possible groundwater seepage and support the sides of the excavation in weak soil zones. Care should be taken so that the sides and bottom of the excavations are not disturbed during construction. The bottom of the shaft should be free of loose soil or debris prior to reinforcing steel and concrete placement.

A concrete slump of at least 6 inches is recommended to facilitate temporary casing removal. It should be possible to remove the casing from a pier excavation during concrete placement provided that the concrete inside the casing is maintained at a sufficient level to resist any earth and hydrostatic pressures outside the casing during the entire casing removal procedure.

5.2 Equipment Building Foundations

The upper about 12 feet of clay soils encountered at this site are highly plastic and potentially expansive. If these soils experience increase in moisture following construction, the swell pressures and attendant heave generated would likely result in adverse performance of foundations and floor slab of the equipment building. The most effective conventional approaches for minimizing such risks are to design the facilities for deep foundations and structural floor slabs with under-slab voids, or to remove and replace the expansive materials to depths of 2 to 4 feet below each building. Either of these options would entail additional expense. Methods of designing certain facilities to better accommodate potential differential heave movements are beyond the scope of this project. If the client would like more information concerning the risk for future building and foundation movement, Terracon can

provide a proposal to perform additional testing. Without further testing and remedial measures, the owner will have to accept the increased risk for potential heave.

The proposed equipment building may be supported on shallow footings bearing on engineered fill on top of natural soil. We recommend the equipment building foundations be dimensioned using a net allowable soil bearing pressure of 2,000 pounds per square foot (psf). In using net allowable soil pressures for footing dimensioning, the weight of the footings and backfill over the footings need not be considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2.0 feet square.

The proposed equipment shed may be supported on shallow footings bearing on stiff natural soils. The equipment building foundations should be dimensioned using a net allowable soil bearing pressure of 2,000 pounds per square foot (psf). In using net allowable soil pressures for footing dimensioning, the weight of the footings and backfill over the footings need not be considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2.0 feet square.

The geotechnical engineer or a qualified representative should observe the foundation excavations to verify that the bearing materials are suitable for support of the proposed loads. If, at the time of such observation, any soft soils are encountered at the design foundation elevation, the excavations should be extended downward so that the footings rest on stiff soils. If it is inconvenient to lower the footings, the proposed footing elevations may be re-established by backfilling after the undesirable material has been removed.

The recommended soil bearing value should be considered an upper limit, and any value less than that listed above would be acceptable for the foundation system. Using the value given, total settlement would be about 1 inch or less with differential settlements being less than 75 percent of total settlement. Footings should be placed at a depth of 2.0 feet, or greater, below finished exterior grade for protection against frost damage.

5.3 Parking and Drive Areas

The drive that accesses the site will be surfaced with crushed stone. Parking and drive areas that are surfaced with crushed stone should have a minimum thickness of 6 inches and be properly placed and compacted as outlined herein. The crushed stone should meet Kentucky Transportation Cabinet specifications and applicable local codes.

A paved section consisting only of crushed graded aggregate base course should be considered a high maintenance section. Regular care and maintenance is considered essential to the longevity and use of the section. Site grades should be maintained in such a manner as to allow for adequate surface runoff. Any potholes, depressions or excessive rutting that may develop should be repaired as soon as possible to reduce the possibility of degrading the soil subgrade.

5.4 Site Preparation

Site preparation should begin with the removal of any topsoil, loose, soft or otherwise unsuitable materials from the construction area. The geotechnical engineer should evaluate the actual stripping depth, along with any soft soils that require undercutting at the time of construction.

Any fill and backfill placed on the site should consist of approved materials that are free of organic matter and debris. Suitable fill material should consist of either granular material or low-plasticity cohesive soil. Low-plasticity cohesive soil should have a liquid limit of less than 45 percent and a plasticity index of less than 25 percent. The on site soils are considered unsuitable for re-use as fill because of their high plasticity. Fill should not contain frozen material and it should not be placed on a frozen subgrade.

The fill should be placed and compacted in lifts of 9 inches or less in loose thickness. Fill placed below structures or used to provide lateral resistance should be compacted to at least 98 percent of the material's maximum standard Proctor dry density (ASTM D-698). Fill should be placed, compacted, and maintained at moisture contents within minus 1 to plus 3 percent of the optimum value determined by the standard Proctor test.

The geotechnical engineer should be retained to monitor fill placement on the project and to perform field density tests as each lift of fill is placed in order to evaluate compliance with the design requirements. Standard Proctor and Atterberg limits tests should be performed on the representative samples of fill materials before their use on the site.

5.5 Resistivity Analysis

Resistivity analyses were not complete at the time this report was prepared. Upon completion, these results will be issued in an addendum letter.

6.0 GENERAL COMMENTS

Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide testing and observation during excavation, grading, foundation and construction phases of the project.

The analysis and recommendations presented in this report are based upon the data obtained from the boring performed at the indicated location and from other information discussed in this report. This report does not reflect variations that may occur across the site, or due to the modifying effects of weather. The nature and extent of such variations

Pulaski West Tower
Ingle, Kentucky
Terracon Project No.: 57057335G
August 29, 2005

Terracon

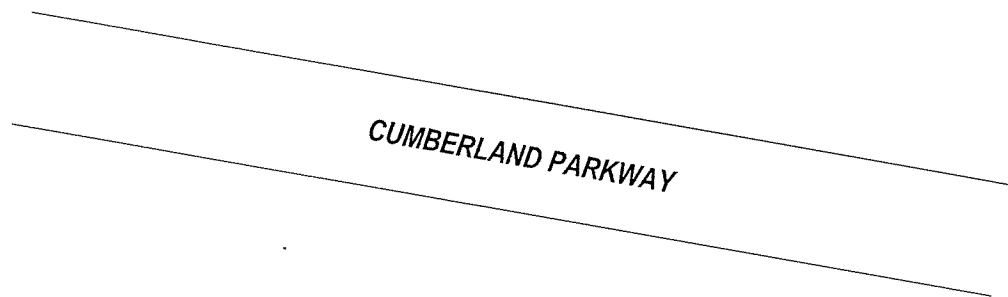
may not become evident until during or after construction. If variations appear, we should be immediately notified so that further evaluation and supplemental recommendations can be provided.

The scope of services for this project does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

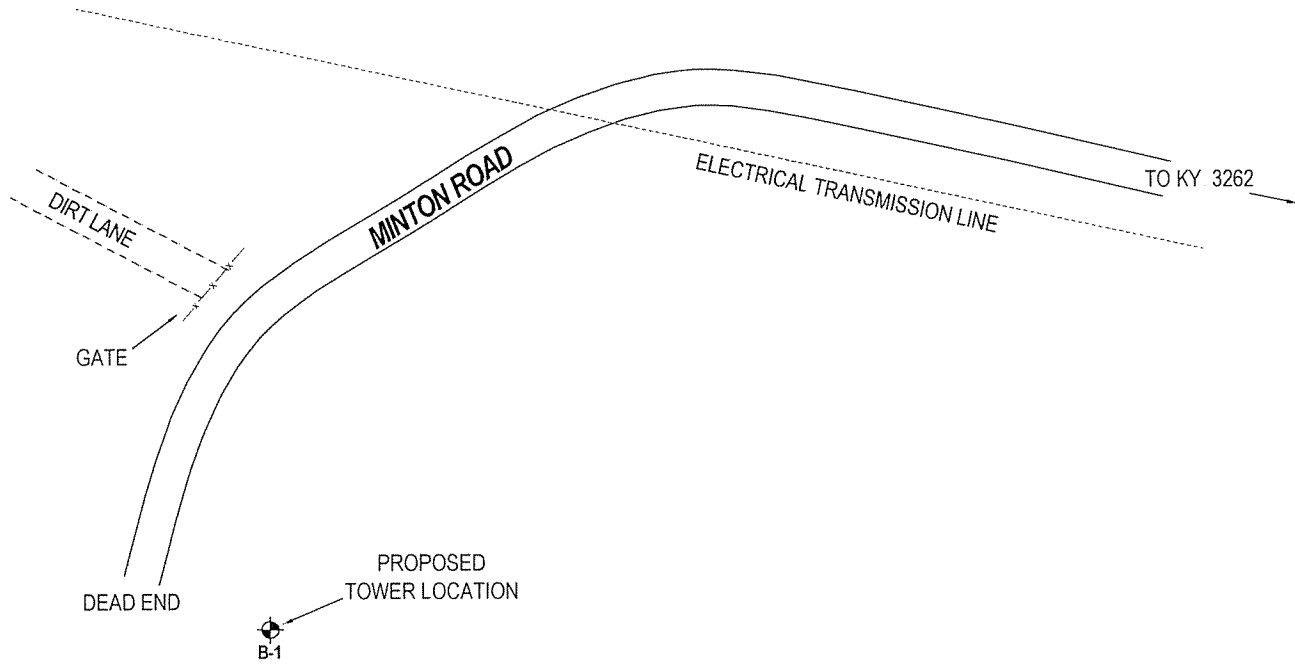
This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either express or implied, are intended or made. Site safety, excavation support, and dewatering requirements are the responsibility of others. In the event that changes in the nature, design, or location of the project as outlined in this report are planned, the conclusions and recommendations contained in this report shall not be considered valid unless Terracon reviews the changes and either verifies or modifies the conclusions of this report in writing.

APPENDIX

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CUMBERLAND PARKWAY



TO KY 3262

DIRT LANE

GATE

DEAD END

MINTON ROAD

ELECTRICAL TRANSMISSION LINE

PROPOSED TOWER LOCATION

B-1



NOT TO SCALE

LEGEND



APPROXIMATE BORING LOCATION

FIGURE 1
SOIL BORING LOCATION DIAGRAM
PULASKI CANDIDATE "A"
MINTON ROAD
INGLE, KY
PROJECT NO. 57057335G

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES



LOG OF BORING NO. B-1

CLIENT RSB Design/Bluegrass Cellular		PROJECT 240' Self-Supporting Tower Pulaski West Site																		
SITE Ingle, Kentucky																				
GRAPHIC LOG		DESCRIPTION	DEPTH, ft.	SAMPLES				TESTS			ATTERBERG LIMITS									
				USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf		UNCONFINED STRENGTH, psf								
0.5	12	17	22	31	41															
0.5	TOPSOIL FAT CLAY, with chert, reddish brown, stiff to very stiff, moist		5	CH	1	SS		14	26		9000*	LL=63 PL=24 PI=39								
5	CH	2	SS		28	22		9000*												
10	CH	3	SS		29	24		9000*												
15	CH	4	SS		29	20		9000*												
12	SANDY CLAY, orange brown, very stiff, moist		15	CL	5	SS		23	17		6500*									
17	CLAYEY SAND, fine grained, orange brown, medium dense, moist		20	SC	6	SS		28	22											
22	SANDY CLAY, with gravel, brown, medium stiff, saturated		25	CL	7	SS		7	43											
31	AUGER REFUSAL LIMESTONE, slightly weathered, gray, moderately hard, very thin to thin bedded, solid with moderately weathered shale seams from 36 to 36.2 ft. & 38 to 38.5 ft.		30	CL	8	SS		5	48											
41	CORING TERMINATED		35		R-1	DB	97%	RQD 42%												

BOREHOLE 99 57057335G.GPJ TERRACON.GDT 8/29/05

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft

WL	▽		▽	
WL	▽		▽	
WL				DRY



BORING STARTED		8-11-05	
BORING COMPLETED		8-11-05	
RIG	TST&D	FOREMAN	JS
LOGGED	SR	JOB # 57057335G	

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS:	Split Spoon - 1- ³ / ₈ " I.D., 2" O.D., unless otherwise noted	HS:	Hollow Stem Auger
ST:	Thin-Walled Tube - 2" O.D., unless otherwise noted	PA:	Power Auger
RS:	Ring Sampler - 2.42" I.D., 3" O.D., unless otherwise noted	HA:	Hand Auger
DB:	Diamond Bit Coring - 4", N, B	RB:	Rock Bit
BS:	Bulk Sample or Auger Sample	WB:	Wash Boring or Mud Rotary

The number of blows required to advance a standard 2-inch O.D. split-spoon sampler (SS) the last 12 inches of the total 18-inch penetration with a 140-pound hammer falling 30 inches is considered the "Standard Penetration" or "N-value".

WATER LEVEL MEASUREMENT SYMBOLS:

WL:	Water Level	WS:	While Sampling
WCI:	Wet Cave in	WD:	While Drilling
DCI:	Dry Cave in	BCR:	Before Casing Removal
AB:	After Boring	ACR:	After Casing Removal

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. Groundwater levels at other times and other locations across the site could vary. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of groundwater levels may not be possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION: Soil classification is based on the Unified Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 - 1,000	2-3	Soft
1,001 - 2,000	4-6	Medium Stiff
2,001 - 4,000	7-12	Stiff
4,001 - 8,000	13-26	Very Stiff
8,000+	26+	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Relative Density</u>
0 - 3	Very Loose
4 - 9	Loose
10 - 29	Medium Dense
30 - 49	Dense
50+	Very Dense

RELATIVE PROPORTIONS OF SAND AND GRAVEL

<u>Descriptive Term(s) of other constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

<u>Major Component of Sample</u>	<u>Particle Size</u>
Boulders	Over 12 in. (300mm)
Cobbles	12 in. to 3 in. (300mm to 75 mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm)
Silt or Clay	Passing #200 Sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

<u>Descriptive Term(s) of other constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 5
With	5 - 12
Modifiers	> 12

PLASTICITY DESCRIPTION

<u>Term</u>	<u>Plasticity Index</u>
Non-plastic	0
Low	1-10
Medium	11-30
High	30+

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GENERAL NOTES

Sedimentary Rock Classification

DESCRIPTIVE ROCK CLASSIFICATION:

Sedimentary rocks are composed of cemented clay, silt and sand sized particles. The most common minerals are clay, quartz and calcite. Rock composed primarily of calcite is called limestone; rock of sand size grains is called sandstone, and rock of clay and silt size grains is called mudstone or claystone, siltstone, or shale. Modifiers such as shaly, sandy, dolomitic, calcareous, carbonaceous, etc. are used to describe various constituents. Examples: sandy shale; calcareous sandstone.

LIMESTONE	Light to dark colored, crystalline to fine-grained texture, composed of CaCO ₃ , reacts readily with HCl.
DOLOMITE	Light to dark colored, crystalline to fine-grained texture, composed of CaMg(CO ₃) ₂ , harder than limestone, reacts with HCl when powdered.
CHERT	Light to dark colored, very fine-grained texture, composed of micro-crystalline quartz (SiO ₂), brittle, breaks into angular fragments, will scratch glass.
SHALE	Very fine-grained texture, composed of consolidated silt or clay, bedded in thin layers. The unlaminated equivalent is frequently referred to as siltstone, claystone or mudstone.
SANDSTONE	Usually light colored, coarse to fine texture, composed of cemented sand size grains of quartz, feldspar, etc. Cement usually is silica but may be such minerals as calcite, iron-oxide, or some other carbonate.
CONGLOMERATE	Rounded rock fragments of variable mineralogy varying in size from near sand to boulder size but usually pebble to cobble size (½ inch to 6 inches). Cemented together with various cementing agents. Breccia is similar but composed of angular, fractured rock particles cemented together.

PHYSICAL PROPERTIES:

DEGREE OF WEATHERING

Slight	Slight decomposition of parent material on joints. May be color change.
Moderate	Some decomposition and color change throughout.
High	Rock highly decomposed, may be extremely broken.

HARDNESS AND DEGREE OF CEMENTATION

Limestone and Dolomite:

Hard	Difficult to scratch with knife.
Moderately Hard	Can be scratched easily with knife, cannot be scratched with fingernail.
Soft	Can be scratched with fingernail.

Shale, Siltstone and Claystone

Hard	Can be scratched easily with knife, cannot be scratched with fingernail.
Moderately Hard	Can be scratched with fingernail.
Soft	Can be easily dented but not molded with fingers.

Sandstone and Conglomerate

Well Cemented	Capable of scratching a knife blade.
Cemented	Can be scratched with knife.
Poorly Cemented	Can be broken apart easily with fingers.

BEDDING AND JOINT CHARACTERISTICS

Bed Thickness	Joint Spacing	Dimensions
Very Thick	Very Wide	> 10'
Thick	Wide	3' - 10'
Medium	Moderately Close	1' - 3'
Thin	Close	2" - 1'
Very Thin	Very Close	.4" - 2"
Laminated	—	.1" - .4"

Bedding Plane	A plane dividing sedimentary rocks of the same or different lithology.
Joint	Fracture in rock, generally more or less vertical or transverse to bedding, along which no appreciable movement has occurred.
Seam	Generally applies to bedding plane with an unspecified degree of weathering.

SOLUTION AND VOID CONDITIONS

Solid	Contains no voids.
Vuggy (Pitted)	Rock having small solution pits or cavities up to ½ inch diameter, frequently with a mineral lining.
Porous	Containing numerous voids, pores, or other openings, which may or may not interconnect.
Cavernous	Containing cavities or caverns, sometimes quite large.

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UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests^A

				Soil Classification		
				Group Symbol	Group Name ^B	
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravels More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels Less than 5% fines ^C	$Cu \geq 4$ and $1 \leq Cc \leq 3^E$	GW	Well-graded gravel ^F	
		Gravels with Fines More than 12% fines ^C	$Cu < 4$ and/or $1 > Cc > 3^E$	GP	Poorly graded gravel ^F	
		Sands	Clean Sands Less than 5% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3^E$	SW	Well-graded sand ^F
		Sands with Fines More than 12% fines ^D	$Cu < 6$ and/or $1 > Cc > 3^E$	SP	Poorly graded sand ^F	
	Fine-Grained Soils 50% or more passes the No. 200 sieve	Silts and Clays Liquid limit less than 50	inorganic	PI > 7 and plots on or above "A" line ^J	CL	Lean clay ^{K,L,M}
			organic	PI < 4 or plots below "A" line ^J	ML	Silt ^{K,L,M}
		Silts and Clays Liquid limit 50 or more	inorganic	Liquid limit - oven dried < 0.75	OL	Organic clay ^{K,L,M,N}
			organic	Liquid limit - not dried < 0.75	OH	Organic silt ^{K,L,M,O}
Highly organic soils	Primarily organic matter, dark in color, and organic odor			PT	Peat	

^ABased on the material passing the 3-in. (75-mm) sieve

^BIf field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^CGravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^DSands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

$$^E Cu = D_{60}/D_{10} \quad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^FIf soil contains $\geq 15\%$ sand, add "with sand" to group name.

^GIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^HIf fines are organic, add "with organic fines" to group name.

^IIf soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

^JIf Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^KIf soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^LIf soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.

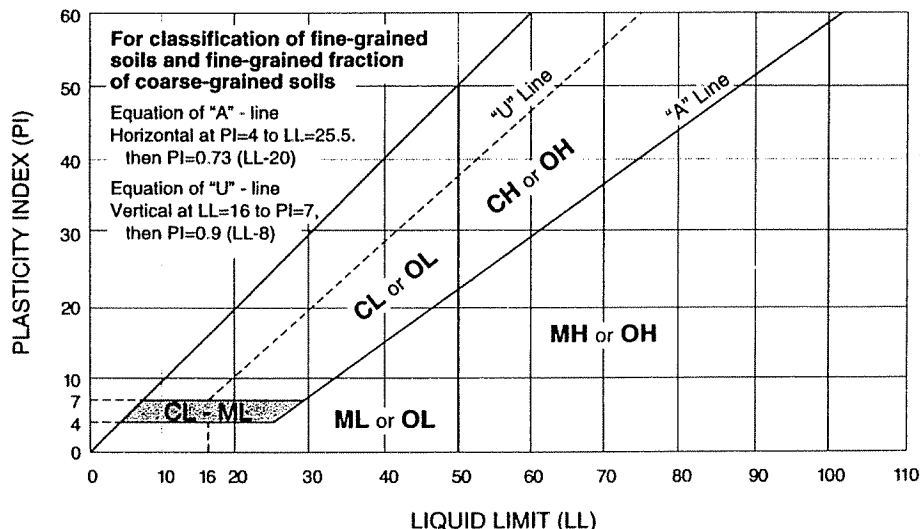
^MIf soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^NPI ≥ 4 and plots on or above "A" line.

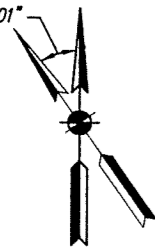
^OPI < 4 or plots below "A" line.

^PPI plots on or above "A" line.

^QPI plots below "A" line.



True North
00°33'01"



Site: Pulaski West

Lease Boundary and Topographic Survey

Pulaski County, Kentucky

Lease Boundary and Easement Description

A tract of land that is located adjacent to North Minton Road and about 5.2 miles northwesterly of the Town of Nancy in the western part of Pulaski County, Kentucky, being described as follows:

COMMENCING AT a 5-inch by 8-inch stone found exposed 3 inches on the boundary separating the lands of The Ertis Roy Revocable Living Trust, as described in Deed Book 593, Page 639, from the lands of Teresa Pyles and Lisa Pyles, as described in Deed Book 576, Page 403; both documents being on file in the office of the County Clerk of Pulaski County, Kentucky; said stone lies 39.0 feet westerly of the centerline of North Minton Road and has the following geodetic coordinates: a latitude of 37 degrees 05 minutes 45.6190 seconds north and a longitude of 84 degrees 50 minutes 35.0461 seconds west; thence, along the apparent boundary separating said lands, South 82 degrees 56 minutes 19 seconds East 196.62 feet; thence, leaving said apparent boundary, North 06 degrees 40 minutes 57 seconds West 65.32 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence South 83 degrees 19 minutes 03 seconds West 100.00 feet to a rebar set flush; thence North 06 degrees 40 minutes 57 seconds West 100.00 feet to a rebar set flush; thence North 83 degrees 19 minutes 03 seconds East 100.00 feet to a rebar set flush; thence South 06 degrees 40 minutes 57 seconds East 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to North Minton Road; said easement being described as follows: BEGINNING AT the southwest corner of the above-described 0.230-acre lease tract, which is monumented by a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386"; thence South 83 degrees 19 minutes 03 seconds West 40.00 feet to the east boundary of North Minton Road (15 feet from the centerline); thence, along said east boundary, North 06 degrees 40 minutes 57 seconds West 100.00 feet; thence, leaving said east boundary, North 83 degrees 19 minutes 03 seconds East 40.00 feet to the northwest corner of the above-described 0.230-acre lease tract; thence South 06 degrees 40 minutes 57 seconds East 100.00 feet to the point of beginning.

The bearing system of this description is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993), as determined by G.P.S. observations made on June 9, 2005 using the National Geodetic Survey monument "TARTAR 2 RM 4". This description is based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on August 2, 2005. Said survey is hereby referenced and made a part of this description.

SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to The Ertis Roy Revocable Living Trust on January 3, 1997 in Deed Book 593, page 639 in the office of the County Clerk of Pulaski County, Kentucky.

Surveyor's Certification

I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on June 9, 2005 by the method of a random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:53,100 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

Darren L. Helms
Darren L. Helms, P.L.S. 3386

August 2, 2005
Date

Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on June 9, 2005 using the National Geodetic Survey monument "TARTAR 2 RM 4" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993). This system is grid north.

Tower Location Information

Designation: Pulaski West
Site ID#: None
Horizontal Datum: NAD 1983 (1993)
Latitude: 37°05'46.44" North
Longitude: 84°50'33.41" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,132.6 feet (345.2 meters)
State Plane Coordinates
Northing: 1,919,448.64 feet (585,049.12 meters)
Easting: 1,905,052.60 feet (580,661.19 meters)

Owner Information

Owner: Ertis Roy
Address: 3889 South Highway 837
Ingle, Kentucky 42544
Contact Person: Ertis Roy
Phone: (606) 871-7575
PVA Map No. 006-0-0-72

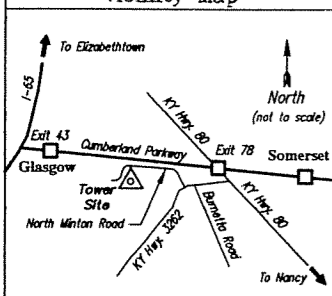
Project Bench Mark

Northing: 1,919,477 feet (585,058 meters)
Easting: 1,904,931 feet (580,624 meters)
Elevation: 1,116.60 feet (340.340 meters)
Description: A railroad spike in the south side of a 10" twin paper, 1.0' above grade, that is approximately 124' northwesterly of the center of the proposed tower.

Flood Plain Statement

According to the Flood Insurance Rate Map for Pulaski County, Kentucky (Unincorporated Areas), Community Panel No. 210197 0175 B, dated July 16, 1990; the proposed site lies within Zone "X", which is defined as "areas determined to be outside the 500-year flood plain".

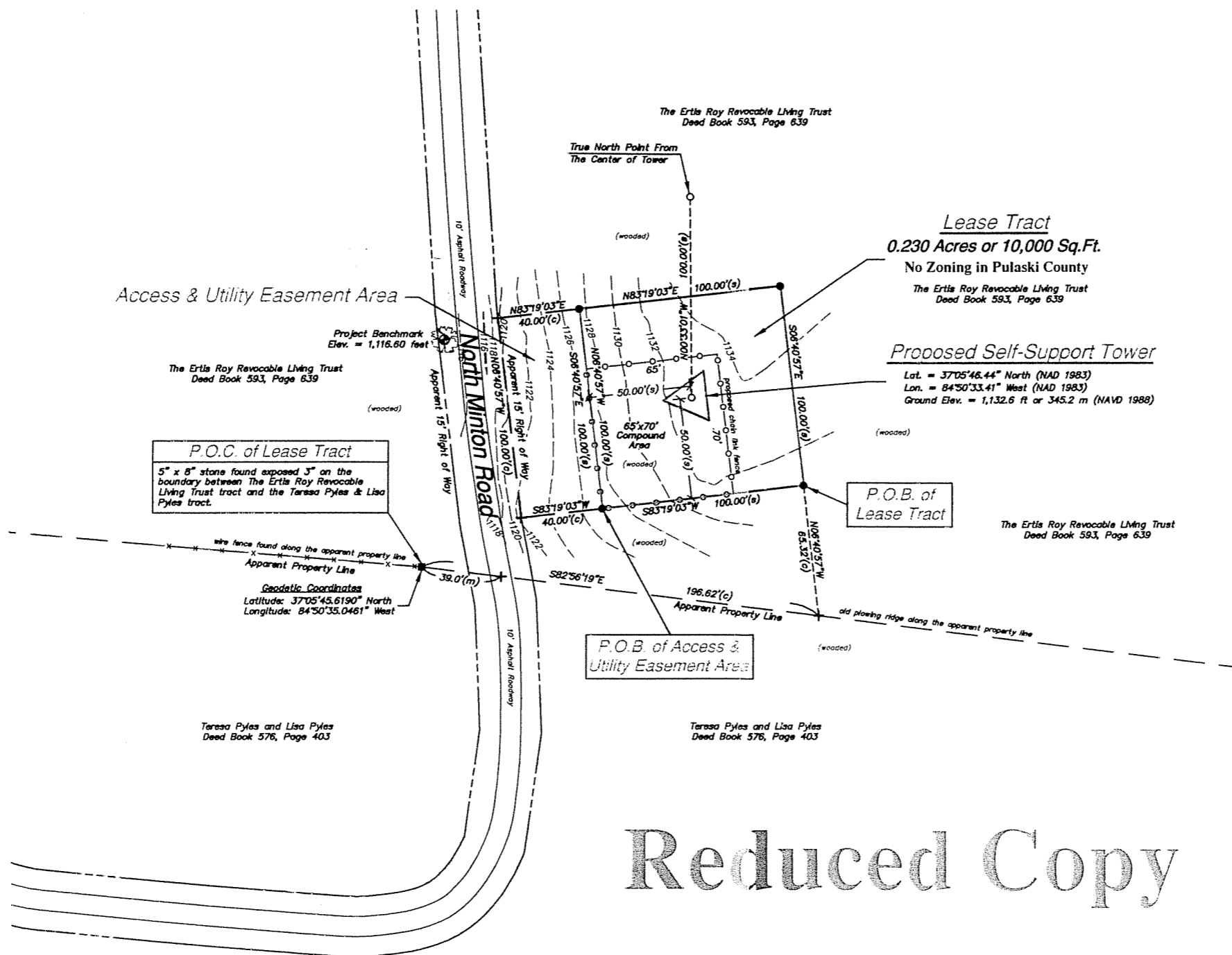
Vicinity Map



Directions to Site

From Elizabethtown, Kentucky: travel South on I-65 to Exit 43 and the Cumberland Parkway; take the Cumberland Parkway East about 78 miles to Exit 78 and Kentucky Highway 80 near Nancy, Kentucky; turn right onto Kentucky Highway 80 and travel southerly for 0.3 miles to Kentucky Highway 3262; turn right onto Kentucky Highway 3262 and travel westerly 1.1 miles to North Minton Road; turn right onto North Minton Road and travel westerly 1.7 miles to the site on the left side of the road in a wooded area.

Access & Utility Easement Area



P.O.C. of Lease Tract
5" x 8" stone found exposed 3" on the boundary between The Ertis Roy Revocable Living Trust tract and the Teresa Pyles & Lisa Pyles tract.

P.O.B. of Lease Tract

P.O.B. of Access & Utility Easement Area

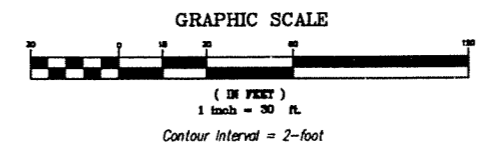
Geodetic Coordinates
Latitude: 37°05'45.6190" North
Longitude: 84°50'35.0461" West

Surveyor's Notes

- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
- The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- There are no zoning or telecommunication tower ordinances in Pulaski County, Kentucky, according to the Pulaski County Judge Executive's office.

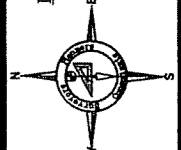
Legend

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- Stone Found as Noted
- + Calculated Position - No Monument Found or Set
- Subject Boundaries
- Other Boundaries
- Right of Way
- Telephone Pedestal
- Underground Telephone Witness Post
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set



Reduced Copy

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0850
Email: landmark@landmark.com
Project No. 05-05-0145



Lease Boundary Survey
1715 North Minton Road
Nancy, Kentucky 42544

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42702

REVISIONS	DATE

DATE: 8-02-05
DRAWN BY: D.L. Helms
CHECKED BY: D.L. Helms
SHEET NO. 1
OF 1 SHEETS
FILE NO. pulaski.dwg

RSB Design
6403 Mercury Drive
Louisville, Kentucky 40291
(502) 231-3656

CONCRETE GENERAL NOTES:

1. ALL CONCRETE SHALL CONFORM TO THE SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI-301.
2. CAST-IN-PLACE CONCRETE: THE PROPORTIONING OF MATERIAL SHALL BE BASED ON THE REQUIREMENTS FOR A PLASTIC AND WORKABLE MIX WITH THE USE OF NOT LESS THAN SIX (6) SACKS OF CEMENT PER CUBIC YARD PRODUCING CONCRETE WITH A 28-DAY DEVELOPED COMPRESSIVE STRENGTH OF NOT LESS THAN 4,000 POUNDS PER SQUARE INCH.
3. CONCRETE PROTECTION:
 - A. CONCRETE POURED AGAINST EARTH. 3 INCHES
 - B. ALL CONCRETE PLACED IN FORMS. 1-1/2 INCHES
4. DETAILS, FABRICATION, AND PLACING OF REINFORCING SHALL CONFORM TO APPLICABLE PROVISIONS OF ACI 315 AND ACI 318.
5. REINFORCING STEEL:
 - STIRRUPS AND TIES. ASTM A 615 GRADE 40
 - ALL OTHER REINFORCING. ASTM A 615 GRADE 60
 - WELDED WIRE FABRIC. ASTM A 185
6. FILL SHALL BE 90% OF MAXIMUM DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM-D-698 (STANDARD PROCTOR)(U.N.O.).
7. SOILS REPORT BY TERRACON AND TESTING, INC., GEOTECHNICAL REPORT; BORE HOLE LOCATIONS AND FINDINGS OF SUBSURFACE MATERIALS. COPIES OF THE REPORT MAY BE OBTAINED FROM ARCHITECT.
 - A. SWITCHGEAR BUILDING FOUNDATION:
 - (a) SOIL BEARING PRESSURE. 1,500 PSF
 - B. TOWER FOUNDATION:
 - (a) ROCK SOCKET DESIGN PARAMETERS:
 - (i) END BEARING PRESSURE. 24,000 PSF
 - (c) SIDE FRICTION. 8,000 PSF
8. STRUCTURAL STEEL: ALL ROLLED STEEL PLATES, SHAPES, BARS, AND MISCELLANEOUS ITEMS SHALL BE STRUCTURAL QUALITY CARBON STEEL COMPLYING WITH ASTM A36 (MINIMUM YIELD 36,000 PSI).
9. CONCRETE SEALER:
 1. EUCO-GUARD 100 BY "THE EUCLID CHEMICAL CO."
 2. MASTERSEAL SL BY "MASTER BUILDERS".
10. CONFIRM ANCHOR BOLT LOCATIONS WITH TOWER MANUFACTURER.


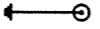






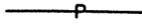
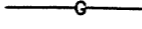

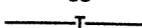
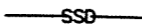
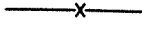

GENERAL NOTES:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS ENCURRED.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REVIEWING EXISTING STRUCTORS OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE AMPLE NOTICE.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE NOTICE.
- 5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY A&E OR OWNER IMMEDIATELY.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.
- 7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING, ANY PROBLEMS OR CHANGE FOUND CONTACT A&E OR OWNER TO VERIFY.
- 8) THE CONTRACTOR TO VERIFY WITH OWNER THAT FAA APPROVAL HAS BEEN RECEIVED BEFORE STACKING OF TOWER.
- 9) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITY IF ANY LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.
- 10) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS, WORK TO BE DONE IN COMPLIANCE WITH OSHA RULES AND REGULATIONS.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
- 12) THE CONTRACTOR RESPONSIBLE FOR ANY SEED AND STRAW NECESSARY TO DAMAGED AREAS.
- 13) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPIENCE.

GRADING & EXCAVATING NOTES:

- 1) CONTRACTOR TO COORDINATE WITH PROPERTY OWNER CONSTRUCTION SCHEDULE TO AVOID ANY INTERRUPTIONS TO PROPERTY OWNERS OPERATIONS.
- 2) CONTRACTOR TO ENSURE POSITIVE DRAINAGE DURING AND AFTER CONSTRUCTION IS COMPLETE.
- 3) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 4) PREPARATION FOR FILL:
 - REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- 5) BACK FILLING:
 - EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM SIZE.
 - SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% STANDARD PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
 - SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH ENGINEER PRIOR TO FILL BEING ADDED.
- 6) ALL MATERIAL FOR FILL TO BE APPROVED BY ENGINEER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
- 7) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIAL SUCH AS, TRASH, DEBRIS, VEGETATION AND SO FORTH COMPLETE.
- 8) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.
- 9) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE CONTACT OWNER & ENGINEER FOR RECOMMENDATIONS.
- 10) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE CONTACT ENGINEER FOR RECOMMENDATIONS.

SYMBOLS LEGEND

	KEYNOTE
	INSPEC. SLEEVE / GRND ROD
	INSPECTION SLEEVE
	CAD WELD CONNECTION
	TRANSFORMER
	LIGHTNING SUPPRESSOR
	SWITCH (DISCONNECT)
	METER PACK
	POWER
	GAS LINE
	WATER LINE
	SANITARY SEWER
	TELEPHONE
	STORM SEWER DRAIN
	FENCE

- * INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
- * INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.
- * EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.
- * SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL . (CROWNED FORMATION)
- * GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET FIBREBOND BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BLUEGRASS CELLULAR.
- * GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)
- * GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.
- * GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- * GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.
- * GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP.
- * GC WILL BE RESPONSIBLE FOR CLEANING THE INSIDE OF BUILDING BEFORE I HAND SITE OVER TO OPERATIONS DEPARTMENT. THIS WILL INCLUDE SUPPLYING TRASHCAN, TRASH BAGS, BROOM, AND DOORMAT FOR BUILDING.
- * GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAYING NECESSARY FEES REQUIRED.
- * ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.
- * ALL ALARMS WILL NEED TO BE HOOKED UP BY GC, THIS IS TO INCLUDE: GENERATOR ALARM AND TOWER LIGHT ALARM. (TO BLUEGRASS CELLULAR INC. ALARM BLOCK)
- * GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-6315
- * T1 CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING. (IF A MICROWAVE DISH IS USED, THE T1 CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE.)
- * GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- * ALL TRASH AND DEBRIS TO BE REMOVED BY GC
- * ALL BIDS ARE TO BE BROKE DOWN AS FOLLOWS:
 - * EXCAVATING, ROAD, SITE WORK, ETC.
 - * TOWER FOUNDATION
 - * TOWER ERECTION
 - * LINES AND ANTENNAS
 - * ALL FOUNDATION SLABS
 - * ELECTRICAL AND GROUNDING
 - * FENCING
 - * ICE BRIDGE
- * GC TO SEPERATE ALL MATERIALS & LABOR IN BID.

NOTE: THIS SCOPE OF WORK IS A BASIC OUTLINE FOR THE GENERAL CONTRACTOR TO FOLLOW AND DOES NOT EXCLUDE OTHER DUTIES ASSOCIATED WITH THE GENERAL CONTRACTORS RESPONSIBILITIES TO COMPLETE THE CELLULAR SITE. IT IS RECOMMENDED THAT THE SPECIFICATIONS MANUAL BE READ PRIOR TO CONSTRUCTION.



REVISION				
DATE				
NO.				

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
PULASKI WEST
 1715 N. MINTON RD. NANCY, KY. 42544

DRAWN BY: R. BECKER
 ISSUE DATE: 07-15-05
 SCALE: LISTED

SHEET NUMBER
General Notes

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS

ALL LINES AND ANTENNAS TO BE PROPERLY MOUNTED TO TOWER OR STRUCTURE PER BLUEGRASS CELLULAR SPECIFICATIONS.

ALL GROUND BARS TO BE INSTALLED AND CAD WELDED TO GROUND FIELD (WHERE REQUIRED)

ALL LINES TO BE GROUNDED AT THE TOP AND BASE OF STRUCTURE OR TOWER.

ALL LINES TO BE GROUNDED AT ENTRANCE OF SHELTER BEFORE WAVE GUIDE PORTS. (EXTERIOR OF BUILDING)

LINES ARE TO BE SECURED TO ICE BRIDGE

WAVE-GUIDE BOOTS ARE TO BE INSTALLED ON ALL LINES (BOTH INSIDE AND OUTSIDE)

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED.

INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTOR. (LIST WILL BE PROVIDED)

ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.

CONTRACTOR TO EXTEND HARDLINES INTO BUILDING 12" & INSTALL POLYPHASERS, PER INSTRUCTION OF PROJECT MANAGER.

POLYPHASERS OR LIKE UNITS TO BE INSTALLED AND GROUNDED TO GROUND BAR INSIDE BUILDING AT WAVE GUIDE ENTRANCE. GO TO SUPPLY GROUND CABLE & LUGS.

GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (Additional Ice Bridge if needed)

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO SUPPLY & INSTALL GPS BRACKET & CABLING

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	DAPA 59200 From Springfield, New design needs 49200	L=70.3" W=6.3" D=2.7"	6	10*, 110*, 270*	190'-0" C/L
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

	TYPE	SIZE	NUMBER	MOUNTING HEIGHT
MOUNT (PRIMARY)	TRI-SECTOR MOUNT		3	VERIFY WITH PROJECT MANAGER
MOUNT (SECONDARY)				

ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER	LENGTH
TRANSMISSION LINE (PRIMARY)	ANDREW	1-5/8"	6	FIELD VERIFY
TRANSMISSION LINE (SECONDARY)				

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1					
DISH #2					

DISH MOUNT SPECS

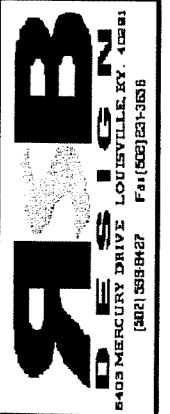
	TYPE	SIZE	NUMBER	MOUNTING HEIGHT
MOUNT #1				
MOUNT #2				

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER	LENGTH
TRANSMISSION LINE #1				
TRANSMISSION LINE #2				

ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 2* ELECTRICAL DOWNTILT
- * ANTENNA FREQUENCY 1975.00 - 1982.50



REVISION

DATE

NO.

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
PULASKI WEST
1715 N. MINTON RD. NANCY, KY. 42544

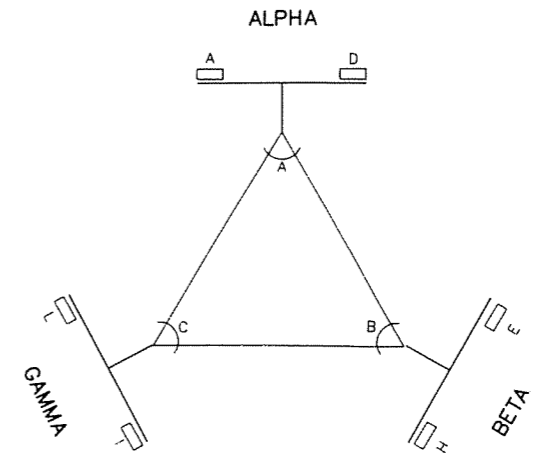
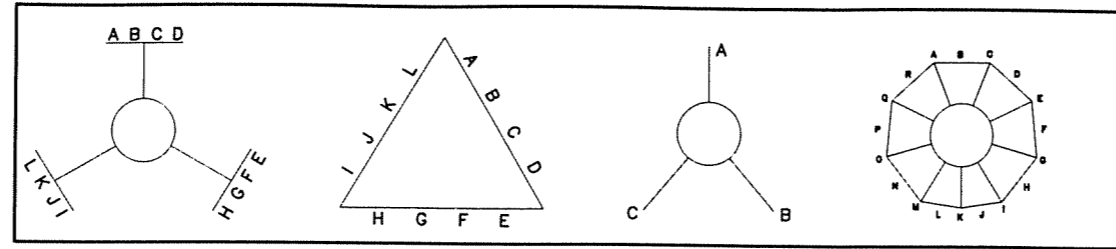
DRAWN BY: R. BECKER
ISSUE DATE: 07-15-05

SCALE: LISTED

SHEET NUMBER

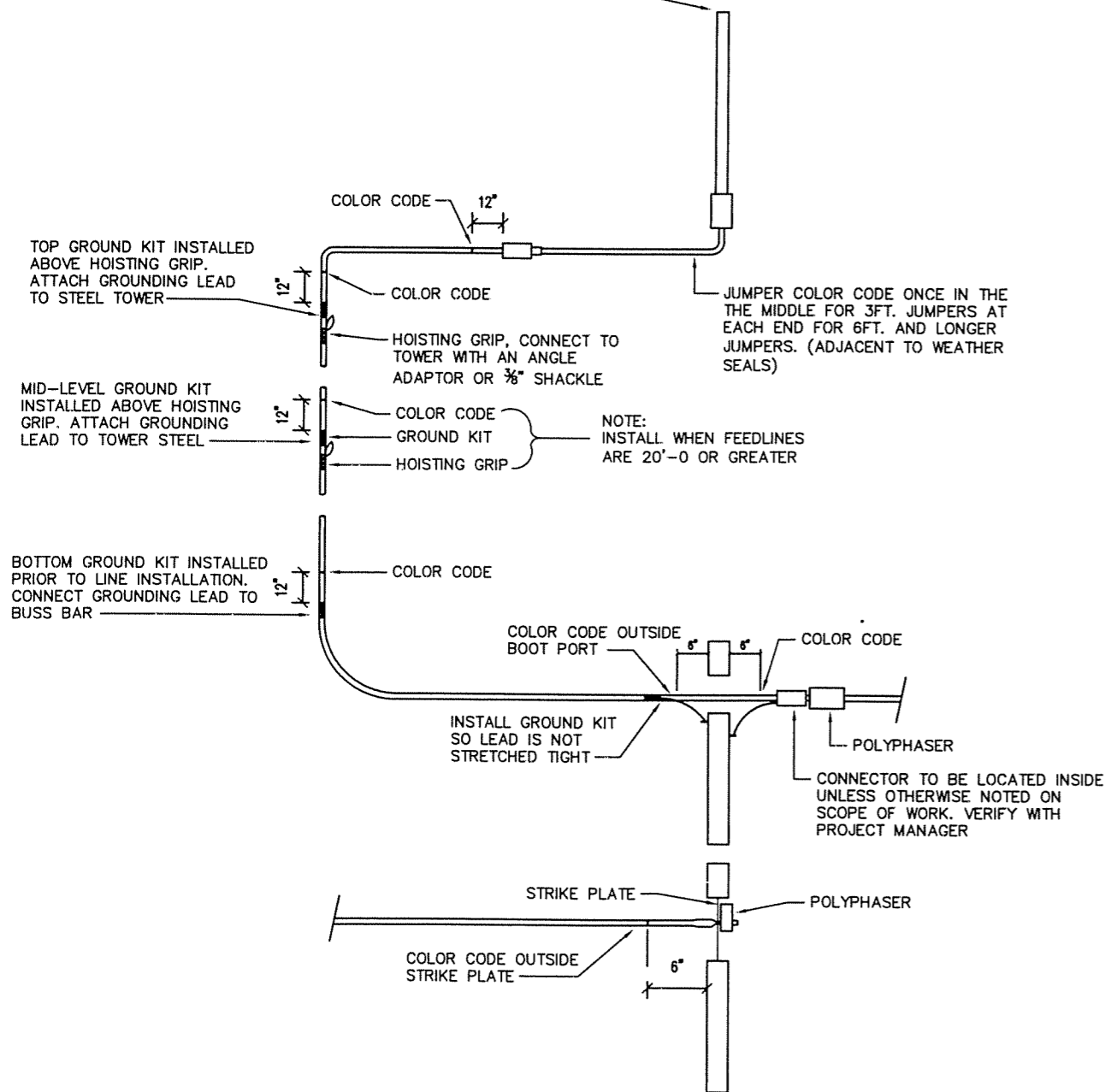
ANT. NOTES

ANTENNA CONFIGURATION DETAIL (LETTER DENOTES ANTENNA LOCATION)

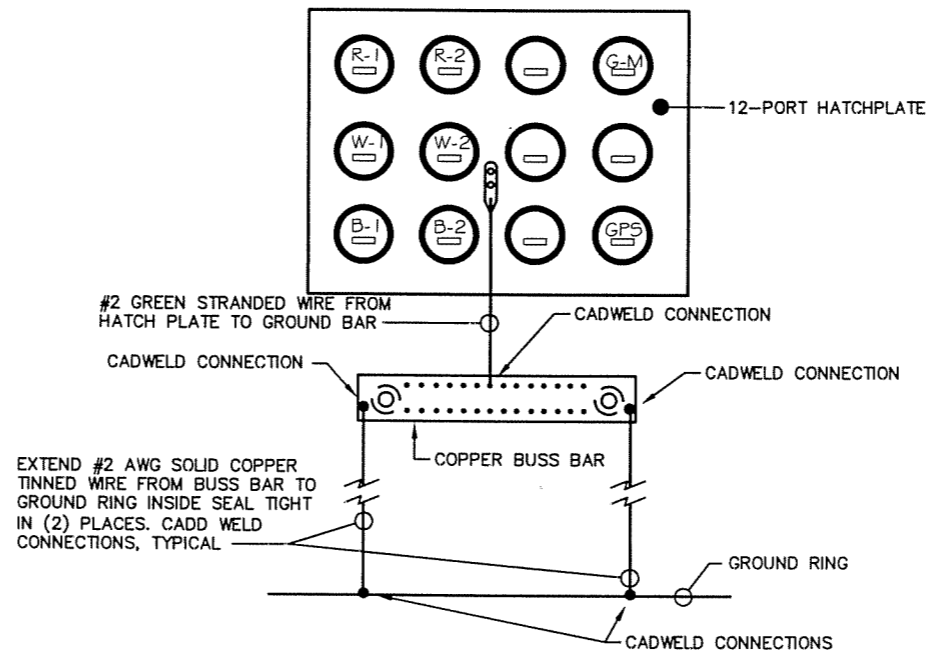


TRI-SECTOR ANTENNA DIAGRAM
NO SCALE

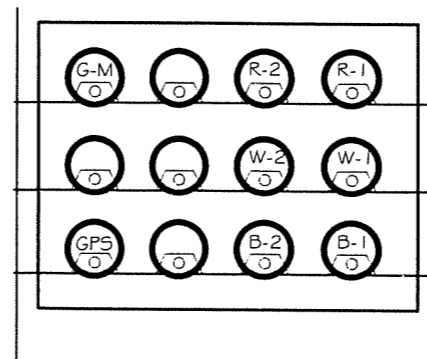
ANTENNA COLOR CODING
 -OMNI DIRECTIONAL ANTENNA, 6" ABOVE THE MOUNT PORTION ON THE RADOME.
 -DIPOLE ANTENNAS, BETWEEN THE TIP OF THE BOTTOM ELEMENT AND THE TOP MOUNTING BRACKET.
 -PANEL & DISH ANTENNAS, AT THE MOST VISIBLE POINT ON THE REAR OF THE ANTENNAS.



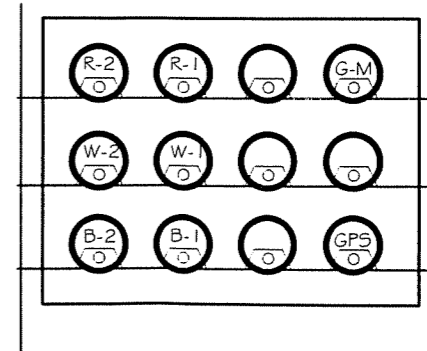
COLOR CODING DETAIL
NO SCALE



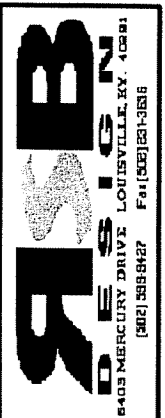
BOOT PORT GROUNDING DETAIL
NO SCALE



COAX ENTRY DETAIL POWER SIDE
(VIEW FROM INSIDE SHELTER)
NO SCALE



COAX ENTRY DETAIL A/C SIDE
(VIEW FROM INSIDE SHELTER)
NO SCALE

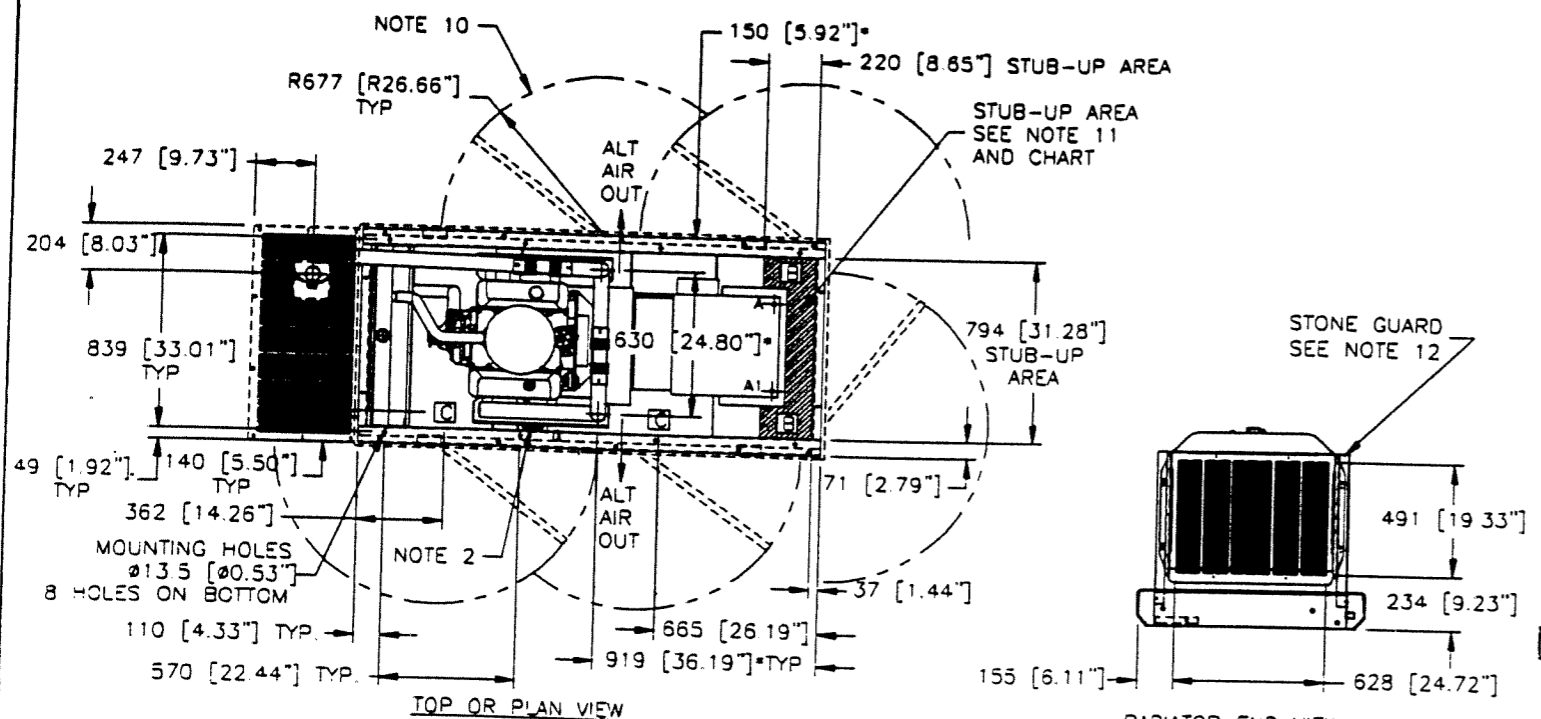


NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
 STANDARD CELLULAR SITE
PULASKI WEST
 1715 N. MINTON RD. NANCY, KY. 42544

DRAWN BY: R. BECKER
 ISSUE DATE: 07-15-05
 SCALE: LISTED

SHEET NUMBER
 ANTENNA/LINES
 DETAILS



TOP OR PLAN VIEW

RECOMMENDED FUEL/ELECTRICAL STUB-UPS
(SEE TOP VIEW)

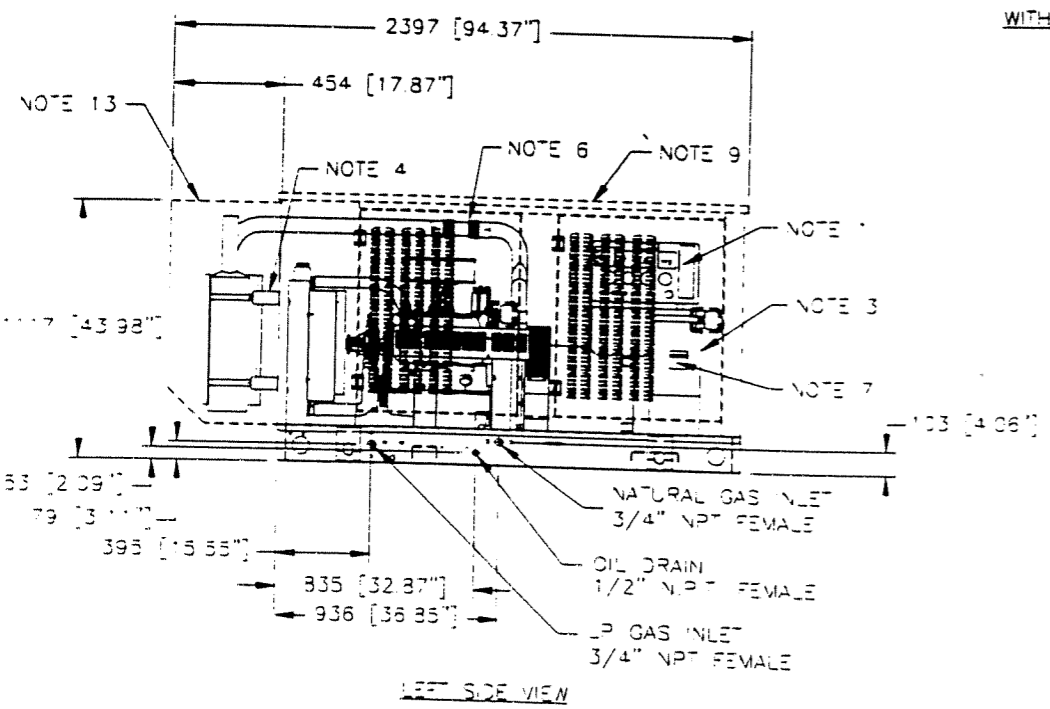
DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT) (LEFT)	A
	A1
120/240V AC FOR OPT. BATTERY CHARGER, OPT. BATTERY HEATER, AND BLOCK HEATER	B
INSIDE STUB-UP FOR FUEL CONNECTIONS	C

NOTE:
FUEL SYSTEM SET UP WITH OUTSIDE STUB UPS (SEE LEFT SIDE VIEW) SMALL FUEL SYSTEM MODIFICATIONS REQUIRED FOR INSIDE STUB-UPS.

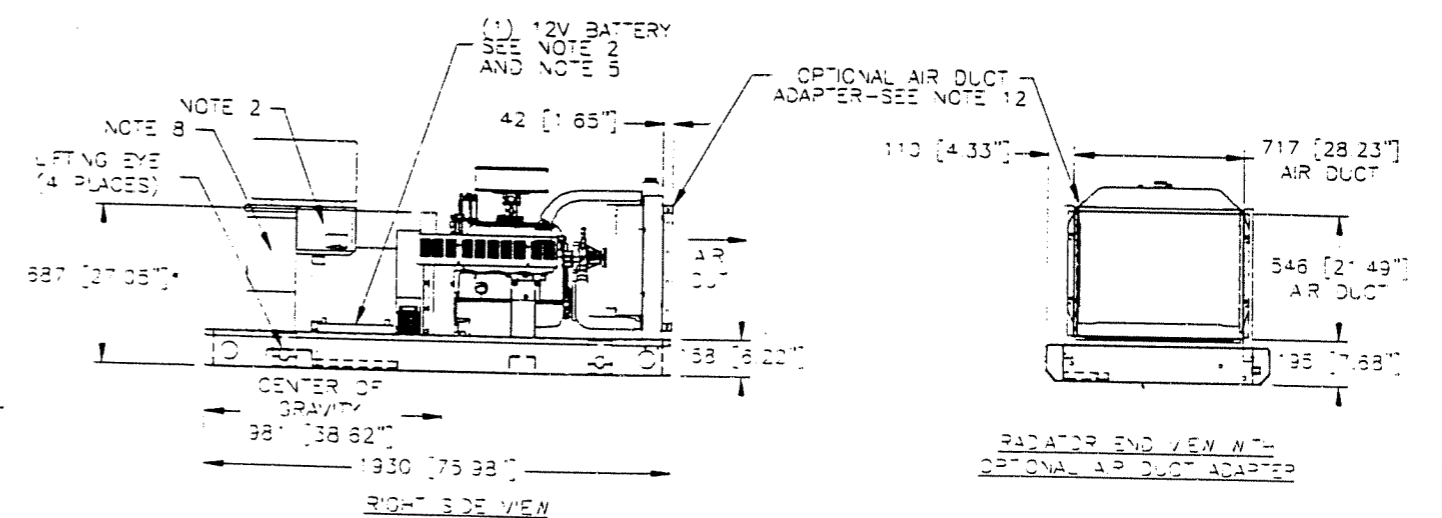
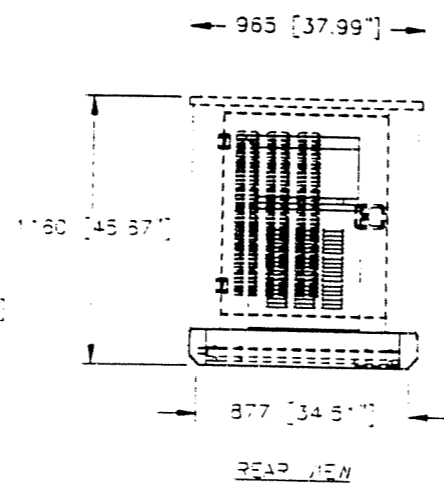
WEIGHT DATA
UNIT: 729.7 kg [1609 lbs]
STEEL COMPARTMENT: 208.6 kg [460 lbs]

UNITS: mm [INCHES]

RADIATOR END VIEW WITH OPTIONAL STONE GUARD



LEFT SIDE VIEW



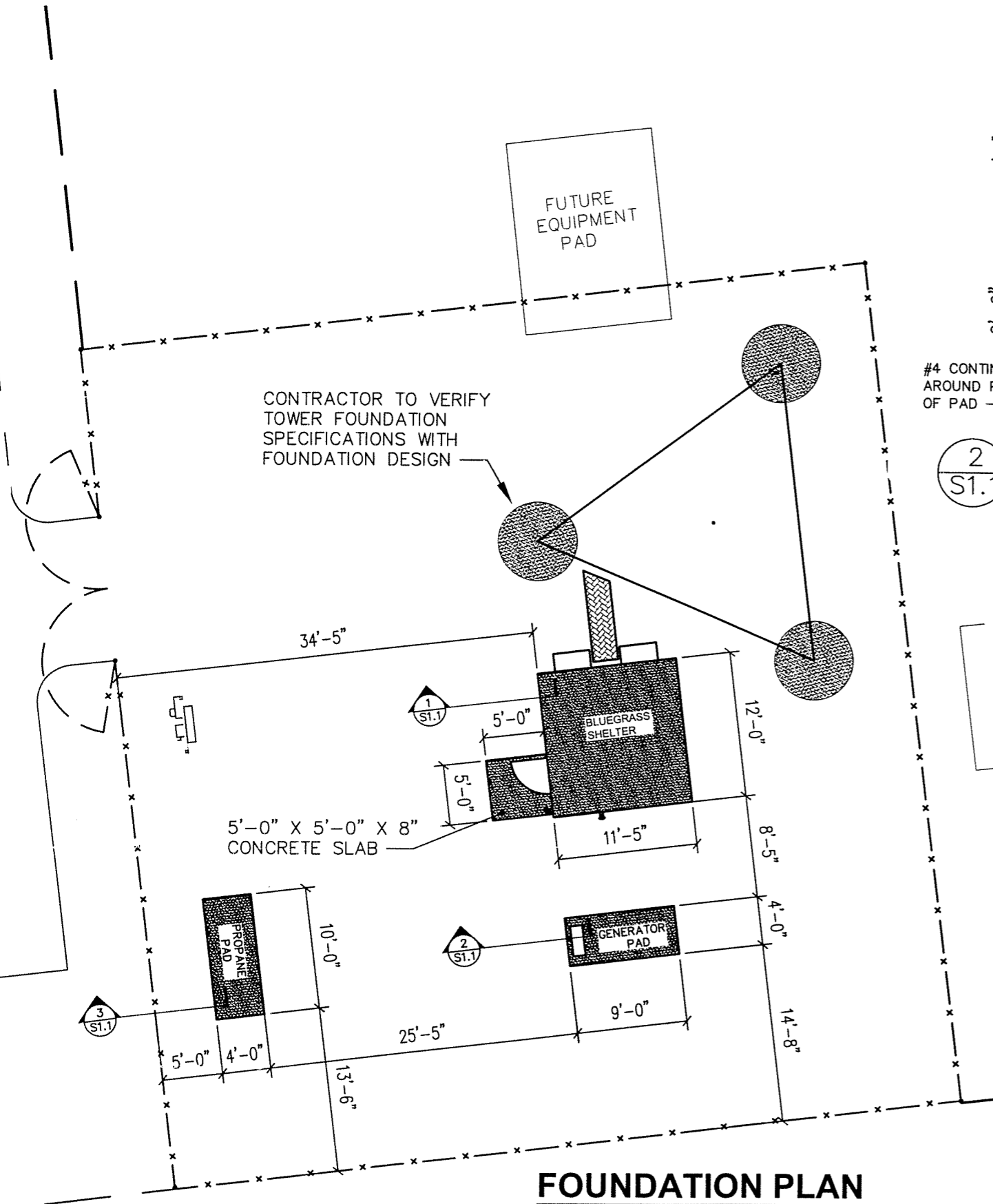
ENGINE SERVICE CONNECTIONS
INLET LP GAS = 3/4" NPT COUPLING
INLET NATURAL GAS = 3/4" NPT COUPLING
OIL DRAIN = 1/2" NPT COUPLING
EXHAUST OUTLET - EXHAUST MANIFOLDS AS SHOWN ON OPEN SET, 2.5" OD MUFFLER OUTLET WITH ENCLOSURE

- NOTES:
- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
 - STANDARD BLOCK HEATER REQUIRES 120V AC CONNECTION (ALSO OPTIONAL BATTERY CHARGER, & BATTERY HEATER).
 - CONNECTION POINTS FOR AC LOAD LEADS AND ENGINE AUTOMATIC START/STOP CONTROL WIRES PROVIDED IN AC CONNECTION PANEL.
 - EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL COMPARTMENT.
 - 12 VOLT NEGATIVE GROUND SYSTEM
BATTERY TRAY INSIDE DIMENSIONS: 178 X 342.5 [7" X 13.5"]
 - 2.5" I.D. FLEX EXHAUST, STANDARD WITH COMPARTMENT UNITS, OPTIONAL WITHOUT
 - MAIN LINE CIRCUIT BREAKER.
 - REMOVABLE BLANK PANEL FOR OPTIONAL 2nd MAIN LINE CIRCUIT BREAKER.
 - OPTIONAL COMPARTMENT
 - DOORS MUST BE OPENED 90 DEG. TO BE REMOVED
 - A OR A1 MAY BE USED DEPENDING ON CIRCUIT BREAKER LOCATION.
 - STONE GUARDS AND AIR DUCT ADAPTER ARE OPTIONS AND CAN BE ORDERED FOR UNITS WITHOUT ENCLOSURES ONLY.
 - SEE DRAWING C3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING

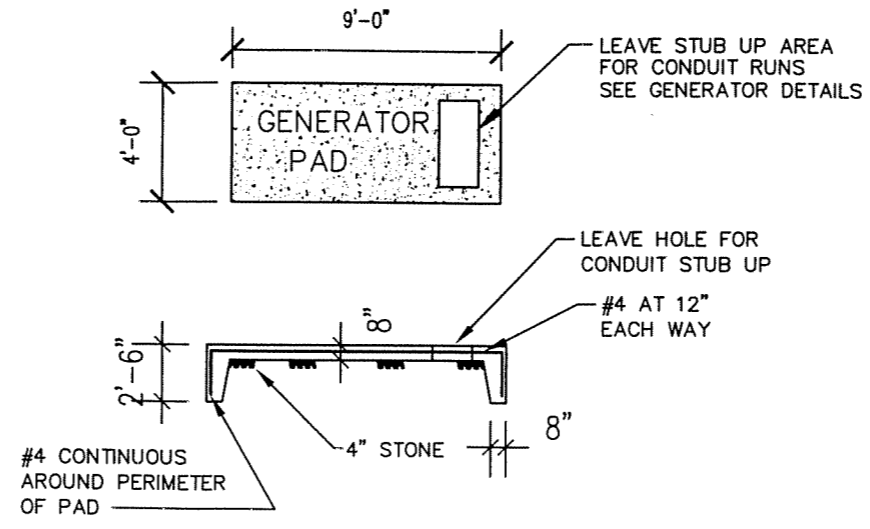
*DIMENSIONS ARE TO THE CENTER OF OUTLETS ON EXHAUST MANIFOLDS. DIMENSIONS SHOULD BE USED AS A REFERENCE WHEN EXHAUST SYSTEM IS NOT ORDERED. APPLIES TO OPEN SET ONLY

GENERAC® INSTALLATION DRAWING

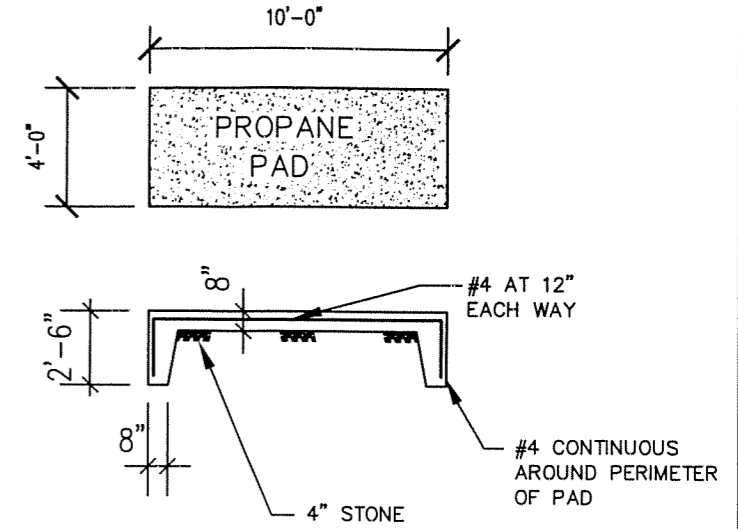
INSTALLATION DRAWING # C4505 REV -
SG035 & SG045
4.3 LITER SPARK-IGNITED ENGINE
NATURALLY ASPIRATED
ISSUE DATE 10/11/99



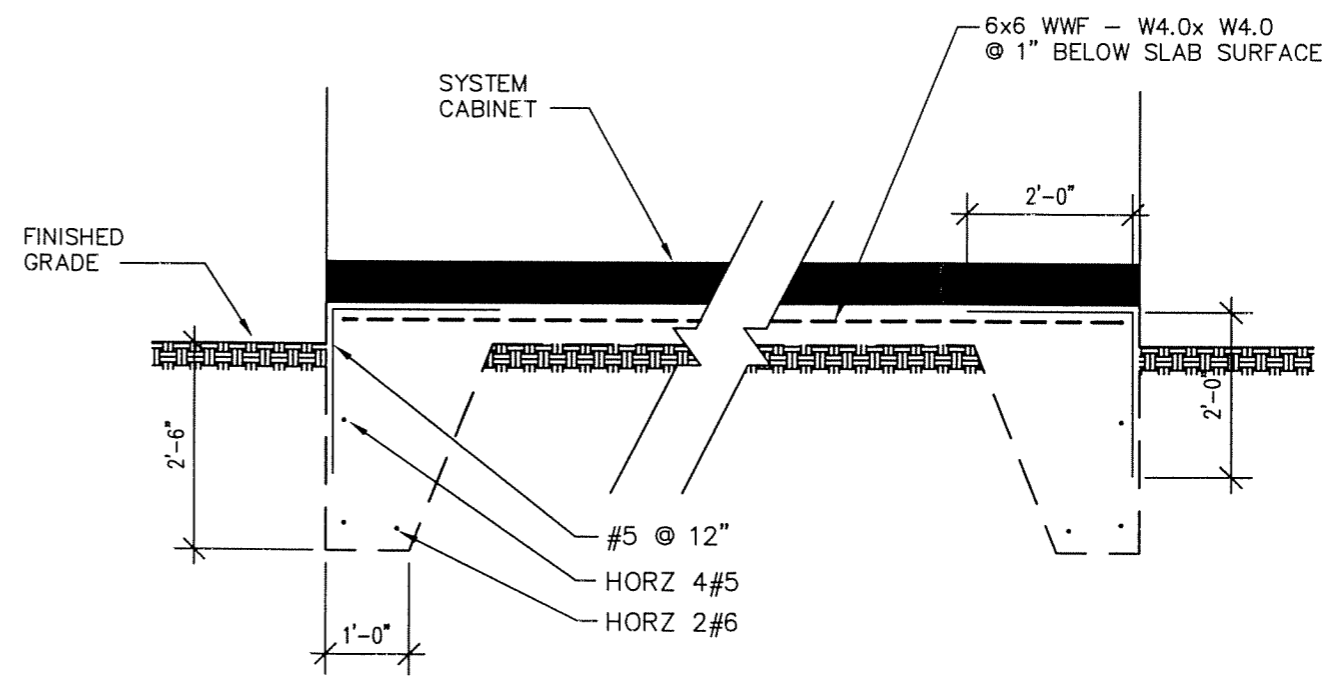
FOUNDATION PLAN
SCALE: 3/32"=1'-0"



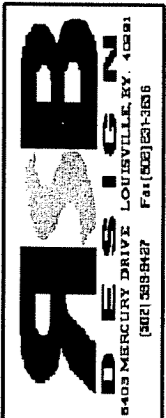
2 FOUNDATION PLAN
S1.1 NO SCALE



3 FOUNDATION PLAN
S1.1 NO SCALE



1 FOUNDATION PLAN
S1.1 NO SCALE

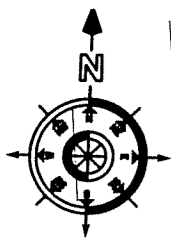


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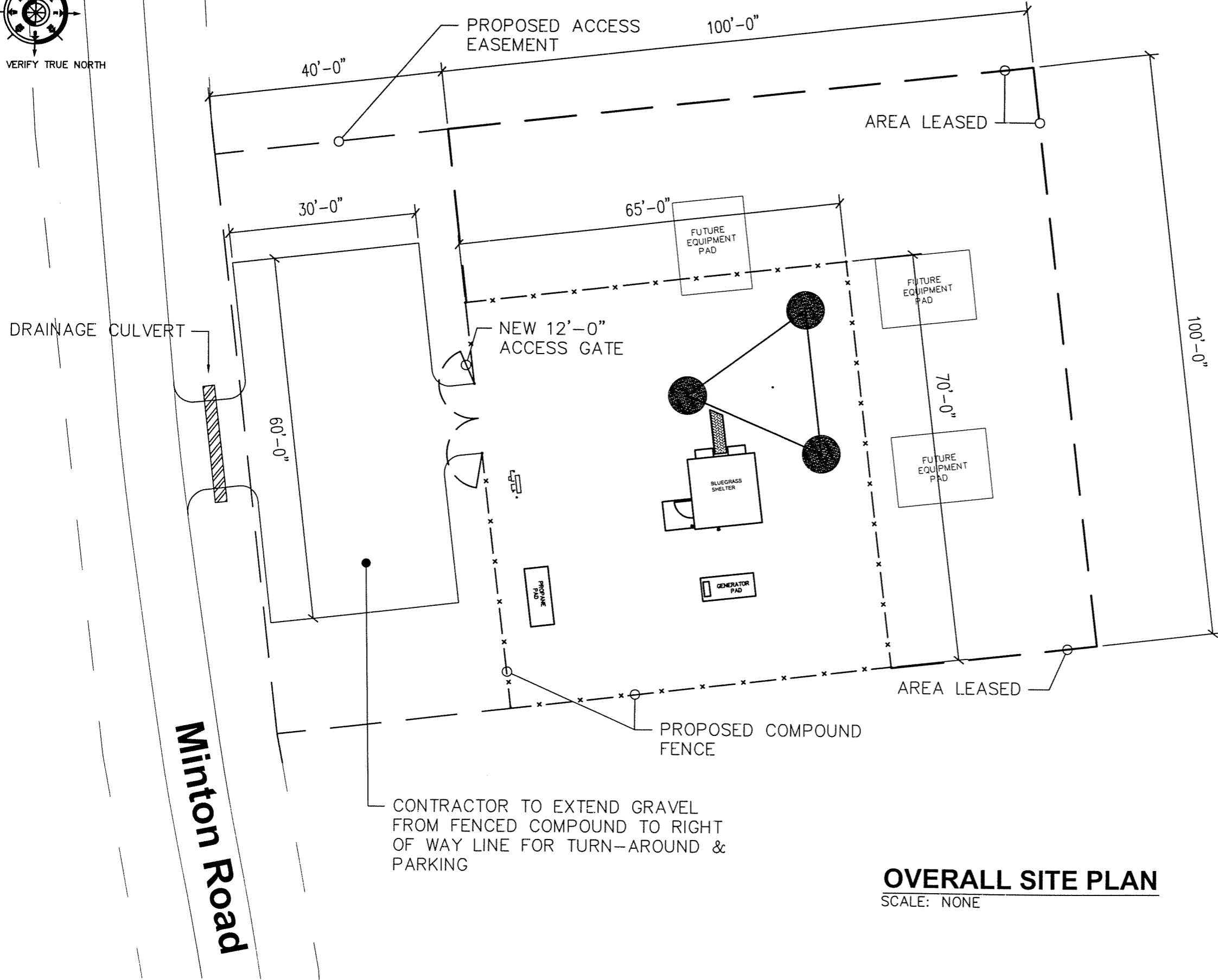
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
PULASKI WEST
1715 N. MINTON RD. NANCY, KY. 42544

DRAWN BY: R. BECKER
ISSUE DATE: 07-15-05
SCALE: LISTED

SHEET NUMBER
S1.1
OF
1

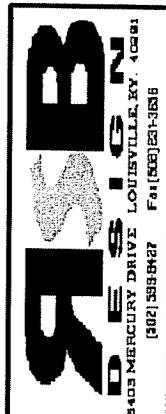


FIELD VERIFY TRUE NORTH



GENERAL NOTES:

- 1) EQUIPMENT PICK-UP AND DELIVERY TO SITE FROM BLUEGRASS CELLULAR STAGING FACILITY TO BE THE CONTRACTORS RESPONSIBILITY, INCLUDING CRANE SET, AND ALL COST INCURRED.
- 2) FOR, BUILDING AND ALL CONCRETE PAD DETAILS REFER TO STRUCTURALS AND SHEET S1.1
- 3) ALL CONCRETE TO HAVE SPECIFIED COATED SEALANT PER STRUCTURAL RECOMMENDATIONS.
- 4) ANY DAMAGE DUE TO CONSTRUCTION, TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION. (SUBJECT TO BLUEGRASS CELLULAR'S APPROVAL).
- 5) ANY DAMAGE OF NATURAL SURROUNDINGS, INCLUDING BUT NOT LIMITED TO, GRASS, TREES, LANDSCAPING, ETC.. TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AT BLUEGRASS CELLULAR'S APPROVAL.
- 6) ROADWAYS TO BE GRADED SMOOTH AND EVEN, REMOVING ALL POTHOLES. ROADS TO HAVE PROPER DRAINAGE AND RUNOFF PER BLUEGRASS CELLULAR'S APPROVAL.
- 7) ANY RELOCATION OF EXISTING UTILITIES TO BE DONE IN ACCORDANCE WITH LOCAL CODES AND RECOMMENDATIONS, CONSULTING ALL UTILITY COMPANIES INVOLVED FOR APPROVAL AND SPECIFICATIONS REQUIRED.
- 8) FOR GRADING DETAILS, SEE GENERAL NOTESHEET
- 9) CONTRACTOR TO FIELD VERIFY ALL TOWER DIMENSIONS WITH TOWER MANUFACTURER PRIOR TO JOB BIDDING OR START OF ANY CONSTRUCTION
- 10) CONTRACTOR RESPONSIBLE FOR APPLYING FOR SERVICE TO SITE AND PAYING ANY FEES REQUIRED FOR PERMITS, HOOKUP, ETC..



NO.	DATE	REVISION

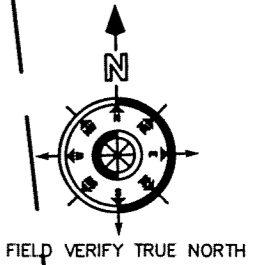
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 A1.0
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 4

OVERALL SITE PLAN
 SCALE: NONE

Mint



CONTRACTOR TO PROVIDE AND INSTALL GRAVEL TURN-AROUND & PARKING AREA

CONTRACTOR TO PROVIDE & INSTALL LANDSCAPE FABRIC THROUGHOUT FENCED COMPOUND & GRAVELED PARKING AREA

FUTURE EQUIPMENT PAD

FUTURE EQUIPMENT PAD

FUTURE EQUIPMENT PAD

SEE STRUCTURAL SHEET FOR TOWER FOUNDATION SPECIFICATIONS
PROPOSED 240'-0" SELF SUPPORT TOWER, SEE DETAIL SHEET A1.2

INSTALL 24" GRIP STRUT FOR COAX SUPPORT & ICE PROTECTION, SEE SHEET A1.3 FOR COAX SUPPORT DETAIL

SEE SHEET S1.1 FOR BUILDING FOUNDATION, AND A1.3 FOR ELEVATIONS

NEW 12'-0" ACCESS GATE

VERIFY SIZE OF DRAINAGE CULVERT DURING BID WALK

ELECTRICAL SERVICE ENTRANCE, SEE DETAIL SHEET E1.1

NEW METER & TELCO BOARD, SEE DETAIL SHEET E1.1

BLUEGRASS SHELTER

NEW COMPOUND FENCE TO BE 8'-0" TALL, CHAIN LINK WITH 3 STRANDS BARBED WIRE AROUND TOP. SEE FENCE DETAIL A2.1

PROPANE PAD, SEE SHEET S1.1 FOR DETAILS

GENERATOR PAD

GENERATOR PAD, SEE SHEET S1.1 & GENERATOR SPEC SHEET FOR DETAILS

AREA LEASED

NEW COMPOUND FENCE TO BE 8'-0" TALL CHAIN LINK WITH 3 STRANDS BARBED WIRE AROUND TOP. SEE FENCE DETAIL SHEET A2.1

EXTEND #57 CRUSHED STONE THRU OUT FENCED COMPOUND A MINIMUM 4" THICK AND 12" BEYOND FENCE LINE

PROPOSED 40'-0" ACCESS EASEMENT

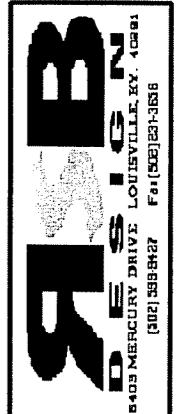
NOTE:
CONTRACTOR TO VERIFY TOWER DIMENSIONS & SPECS WITH TOWER DRAWINGS

NOTE:
TOWER LATITUDE & LONGITUDE N37° 05' 47" W84° 50' 33.9"
GROUND ELEVATION 1130'-0"

NOTE:
CONTRACTOR TO SPREAD #57 CRUSHED STONE EVENLY THRU-OUT COMPOUND A MINIMUM 4" THICK. SPREAD 12" BEYOND FENCE LINE

SITE PLAN

SCALE: 3/32"=1'-0"

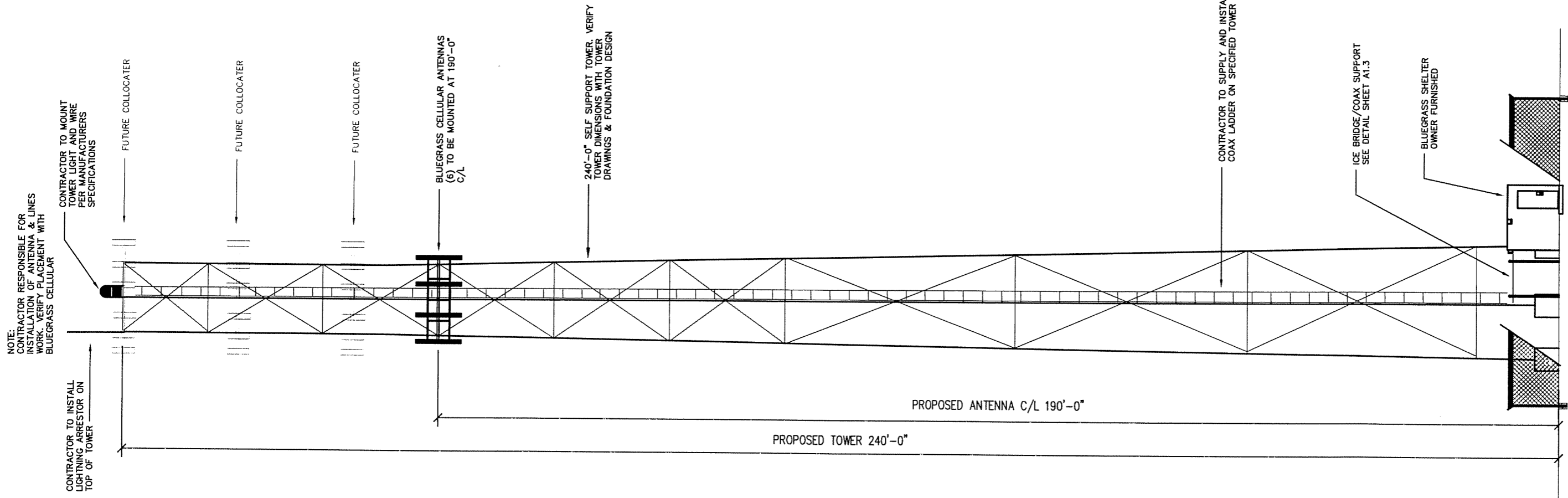


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4



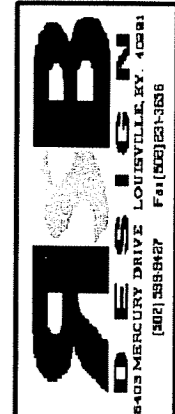
SITE ELEVATION
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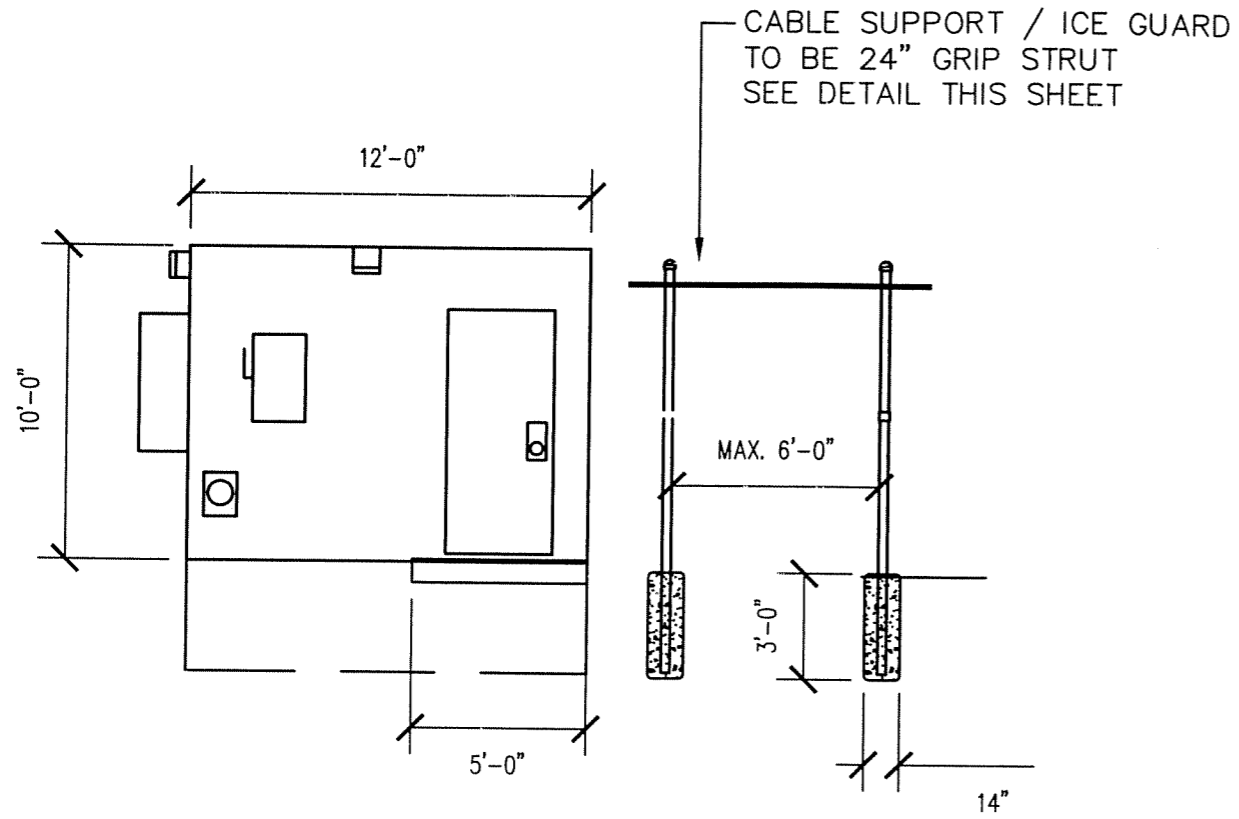
BLUEGRASS CELLULAR, INC.
 STANDARD CELLULAR SITE
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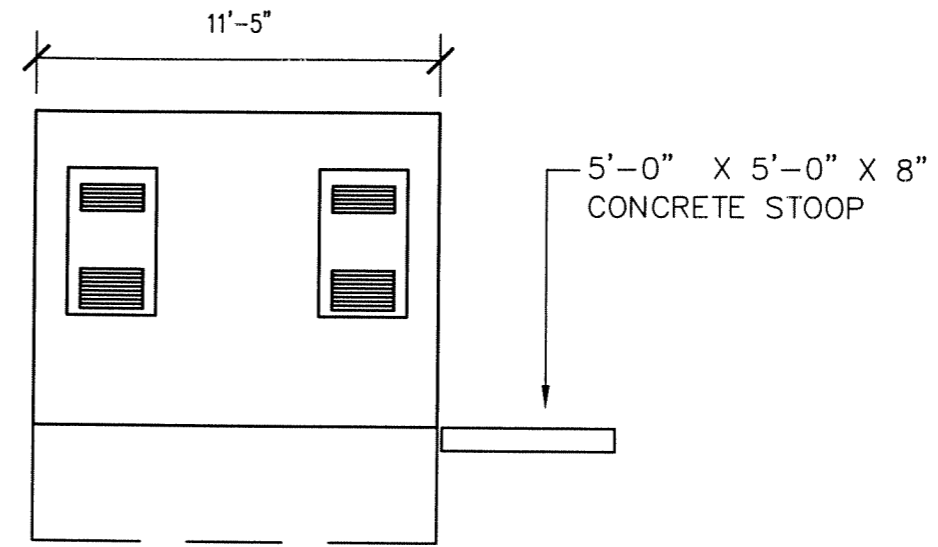
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NO.	DATE	REVISION

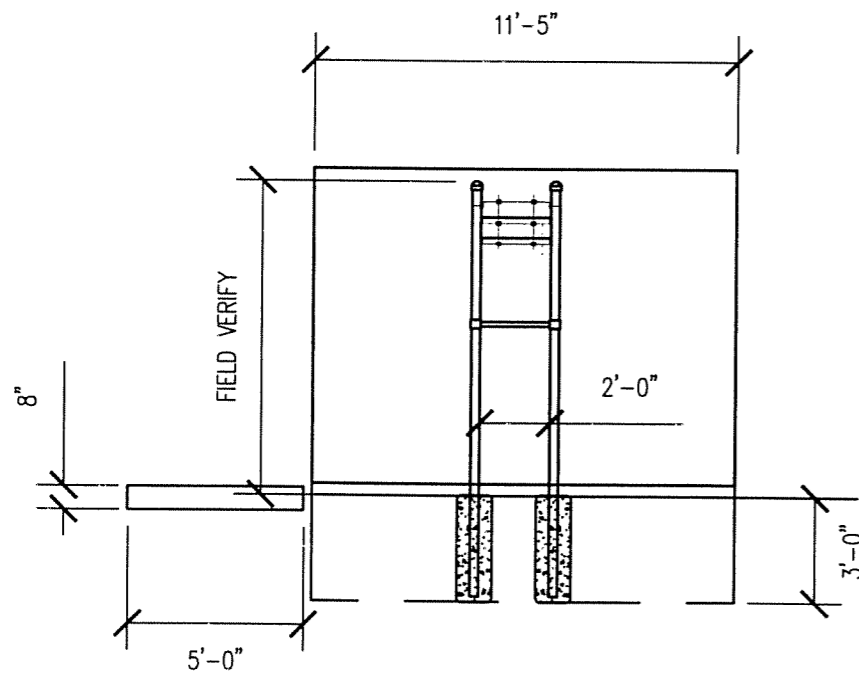




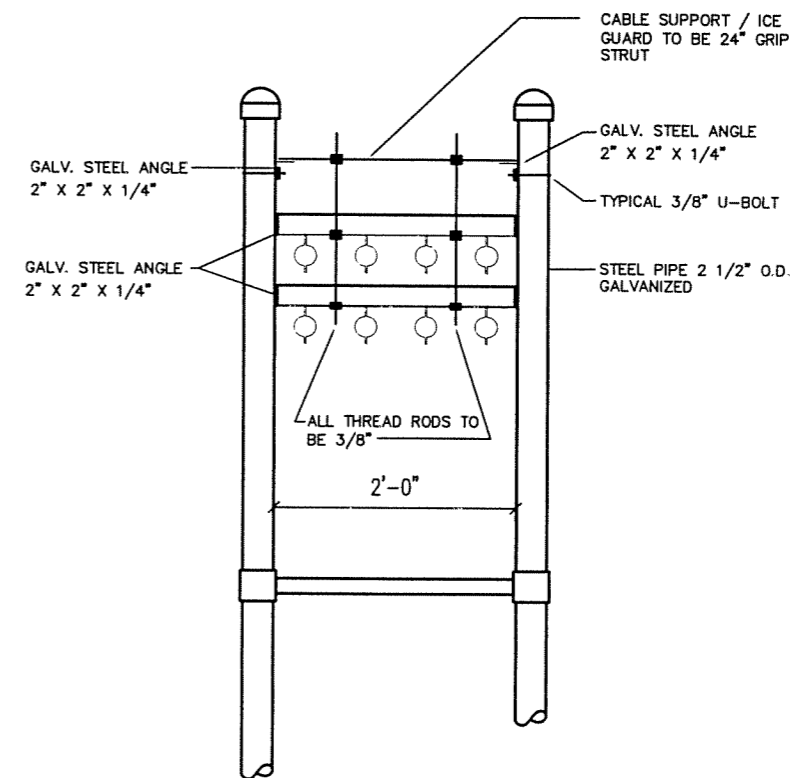
BLDG. FRONT
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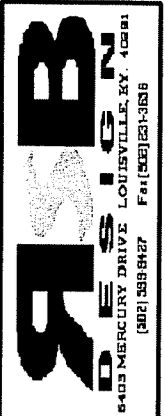
BLDG. SIDE
NO SCALE



BLDG. REAR
NO SCALE



ICE BRIDGE DETAIL
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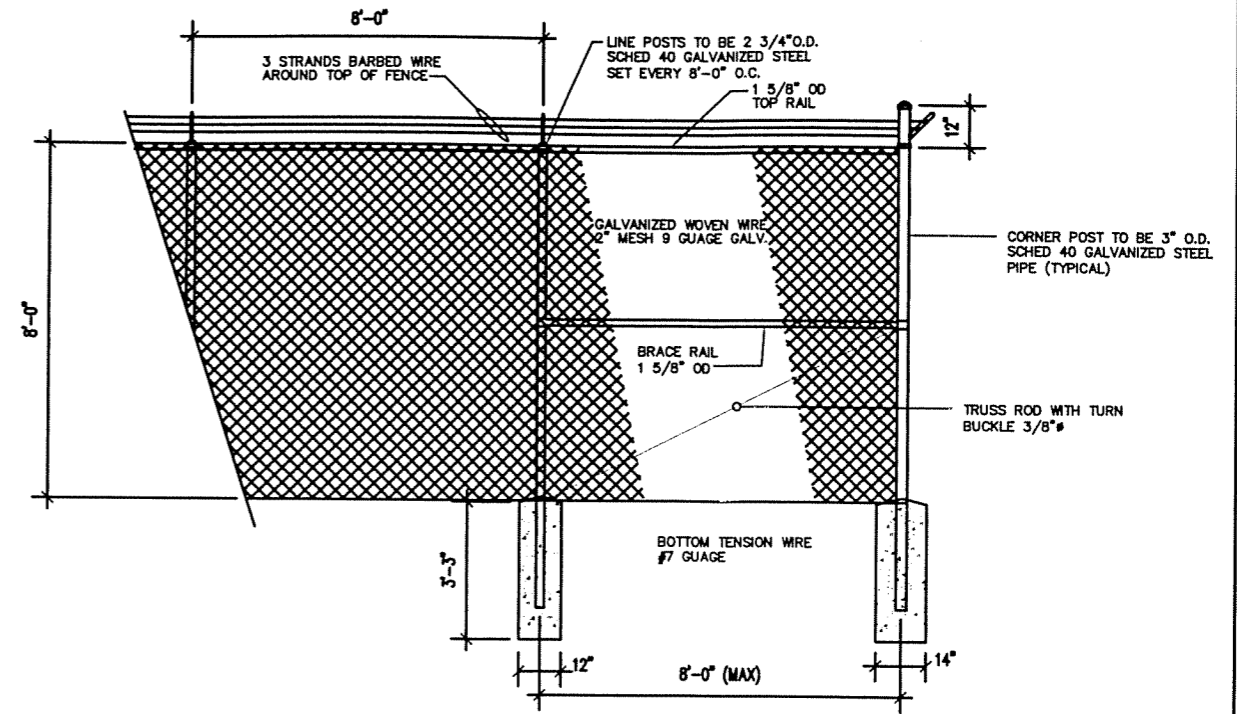
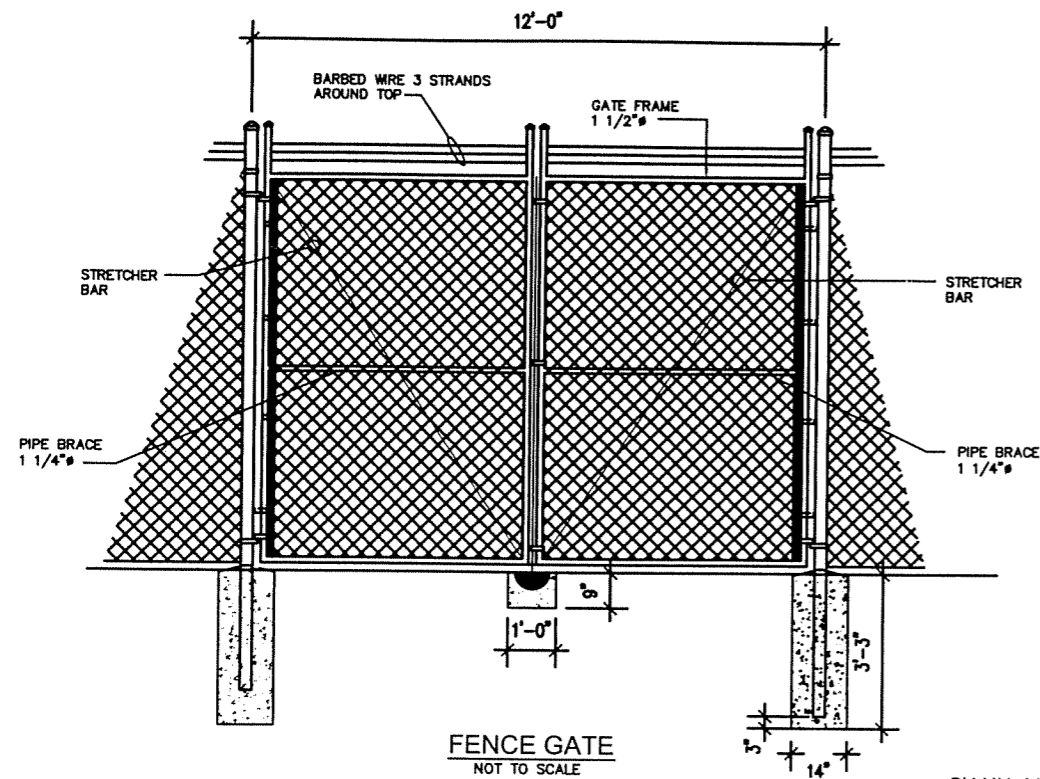


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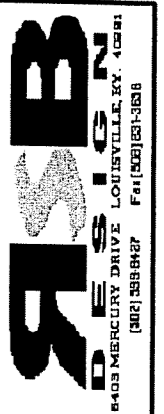
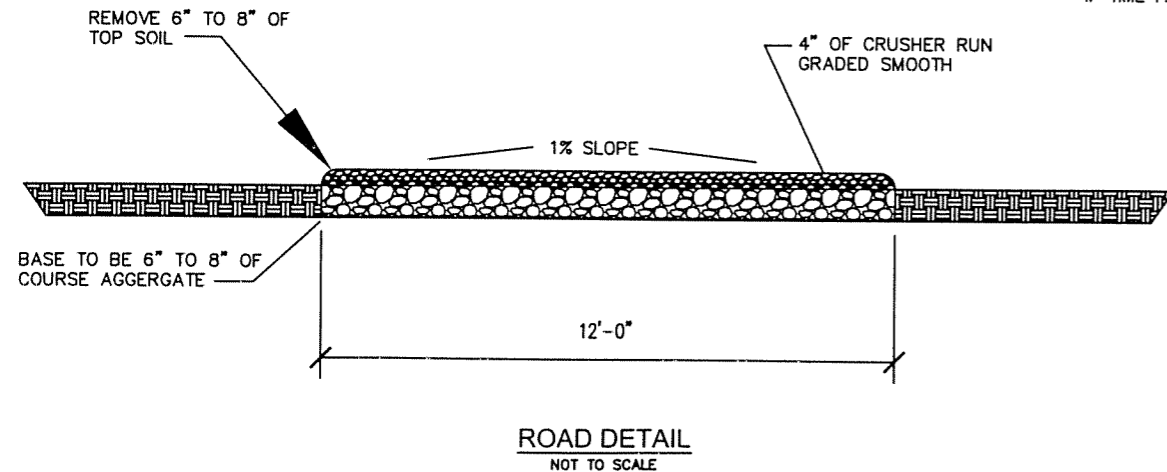
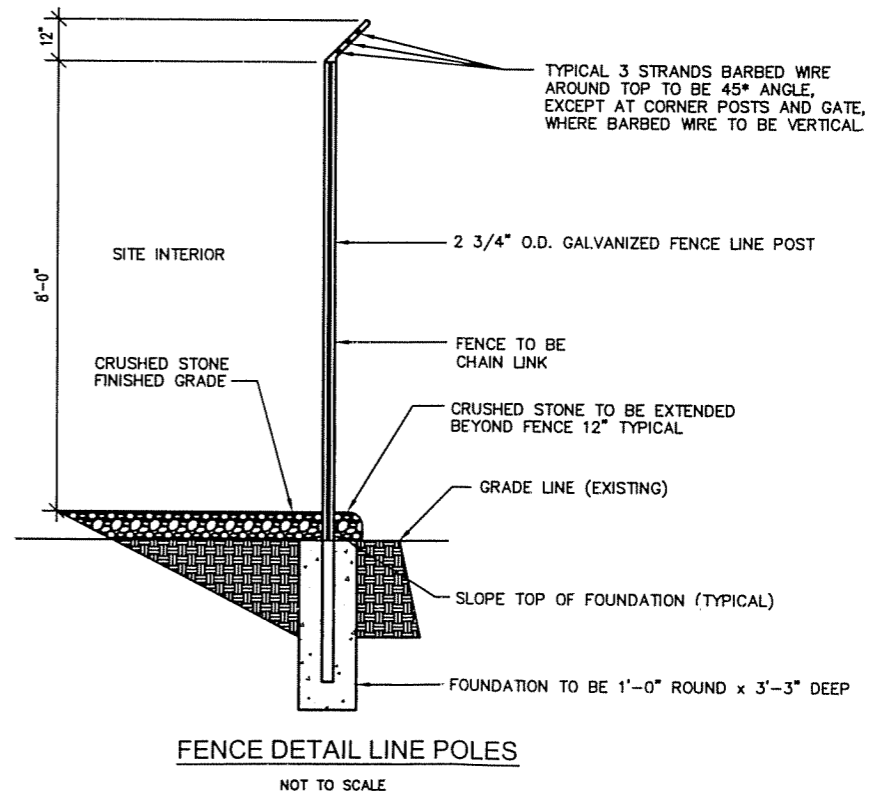
DRAWN BY: R. BECKER
ISSUE DATE: 07-15-05
SCALE: LISTED

SHEET NUMBER
A1.3
OF
4



CHAIN LINK FENCING NOTES:

- FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- POSTS:** SHALL BE 2 3/4" O.D. SS 40 PIPE HOT GALVANIZED. THESE POSTS SHALL BE SPACED APPROXIMATELY 8'-0" ON CENTERS AND SET FULL 3'-3" IN BELL - SHAPED CONCRETE FOOTING, CROWNED AT TOP TO SHED WATER.
- TOP RAIL:** SHALL BE 1 5/8" O.C. STANDARD PIPE HOT GALVANIZED AND SHALL BE FURNISHED IN RANDOM LENGTHS AVERAGING NOT LESS THAN 20'.
- FABRIC TIES:** FOR ATTACHING FABRIC TO LINE POST, TOP RAIL OR TOP WIRE, SHALL BE ALUMINUM STRIP OF WIRE OF APPROVED GAUGE AND DESIGN. USED ON TOP OF RAIL EVERY 24" AND ONE POST EVERY 12'.
- EXTENSION ARMS:** CAST STEEL GALVANIZED TO ACCOMODATE 3 STRANDS OF BARB WIRE, SINGLE ARM SLOPED TO 45°, AND VERTICAL ON TOP OF SWING GATES.
- BARBED WIRE (STEEL):** ASTM A121 GALVANIZED STEEL, 12 GAUGE THICK WIRE, 3 STRANDS 4 POINTS AT 3" O.C.
- SWING GATE POSTS:** SHALL BE 3" O.C. STANDARD HOT GALVANIZED, WEIGHING 5.79 LBS. PER FOOT.
- GATES: (a) SWING GATES:** 2" O.C. STANDARD PIPE WITH INTERNAL BRACING OF 1 5/8" O.D. STANDARD PIPE; WELDED AT ALL JOINTS TO PROVIDE RIGID WATERTIGHT CONSTRUCTION. FABRIC SAME AS FENCE.
- FENCE TO BE 100% ERECTED WITHIN TEN(10) DAYS OF COMPLETION OF CONSTRUCTION, IF TIME FRAME CANNOT BE MET, PLEASE NOTIFY PROJECT MANAGER



REVISION

NO. DATE

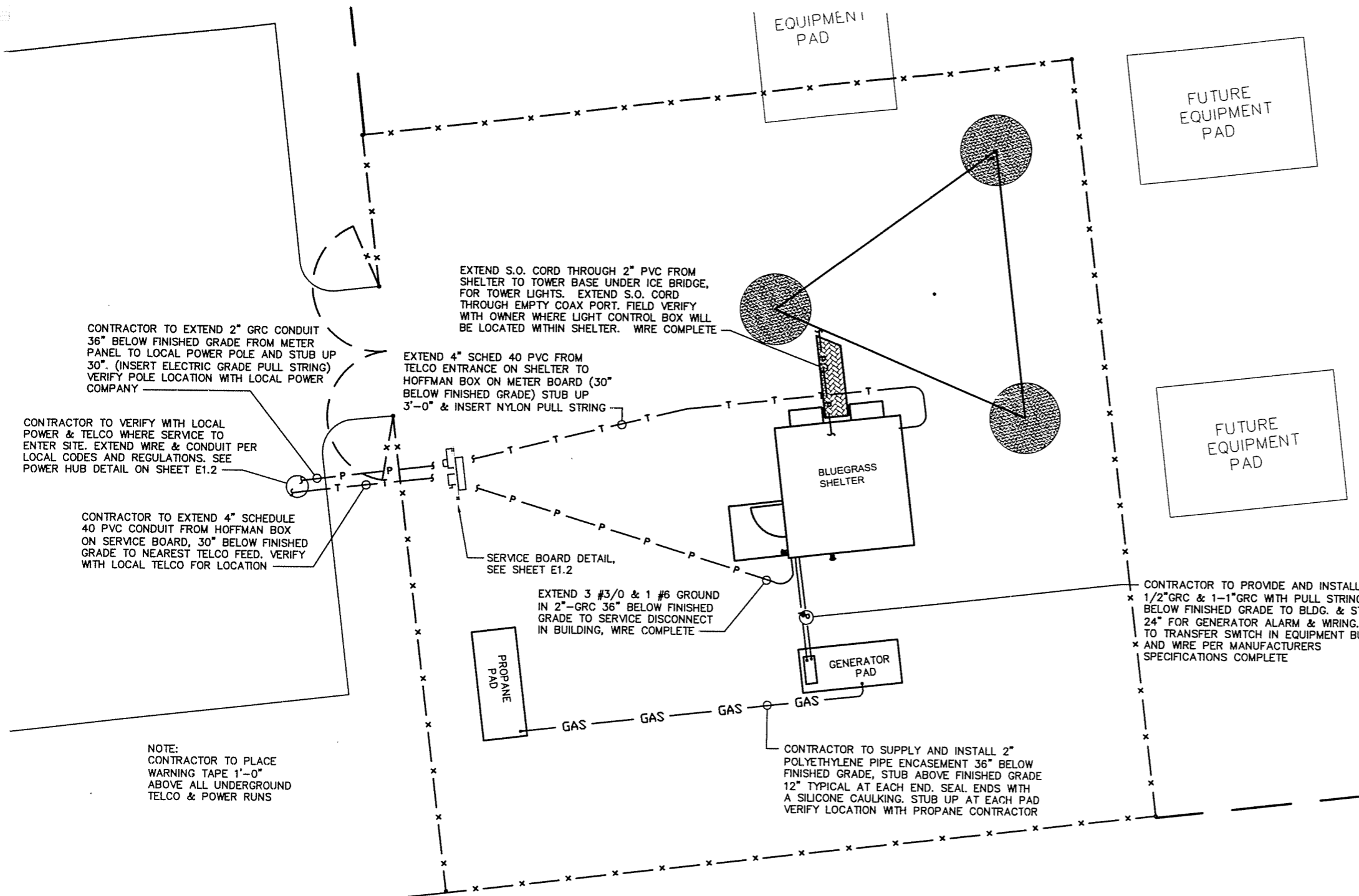
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
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DRAWN BY: R. BECKER

ISSUE DATE: 07-15-05

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A2.1
OF
1



CONTRACTOR TO EXTEND 2" GRC CONDUIT 36" BELOW FINISHED GRADE FROM METER PANEL TO LOCAL POWER POLE AND STUB UP 30". (INSERT ELECTRIC GRADE PULL STRING) VERIFY POLE LOCATION WITH LOCAL POWER COMPANY

CONTRACTOR TO VERIFY WITH LOCAL POWER & TELCO WHERE SERVICE TO ENTER SITE. EXTEND WIRE & CONDUIT PER LOCAL CODES AND REGULATIONS. SEE POWER HUB DETAIL ON SHEET E1.2

CONTRACTOR TO EXTEND 4" SCHEDULE 40 PVC CONDUIT FROM HOFFMAN BOX ON SERVICE BOARD, 30" BELOW FINISHED GRADE TO NEAREST TELCO FEED. VERIFY WITH LOCAL TELCO FOR LOCATION

EXTEND S.O. CORD THROUGH 2" PVC FROM SHELTER TO TOWER BASE UNDER ICE BRIDGE, FOR TOWER LIGHTS. EXTEND S.O. CORD THROUGH EMPTY COAX PORT. FIELD VERIFY WITH OWNER WHERE LIGHT CONTROL BOX WILL BE LOCATED WITHIN SHELTER. WIRE COMPLETE

EXTEND 4" SCHED 40 PVC FROM TELCO ENTRANCE ON SHELTER TO HOFFMAN BOX ON METER BOARD (30" BELOW FINISHED GRADE) STUB UP 3'-0" & INSERT NYLON PULL STRING

SERVICE BOARD DETAIL, SEE SHEET E1.2

EXTEND 3 #3/0 & 1 #6 GROUND IN 2"-GRC 36" BELOW FINISHED GRADE TO SERVICE DISCONNECT IN BUILDING, WIRE COMPLETE

CONTRACTOR TO PROVIDE AND INSTALL 1-2 1/2"GRC & 1-1"GRC WITH PULL STRING 30" BELOW FINISHED GRADE TO BLDG. & STUB UP 24" FOR GENERATOR ALARM & WIRING. RUN TO TRANSFER SWITCH IN EQUIPMENT BUILDING AND WIRE PER MANUFACTURERS SPECIFICATIONS COMPLETE

CONTRACTOR TO SUPPLY AND INSTALL 2" POLYETHYLENE PIPE ENCASMENT 36" BELOW FINISHED GRADE, STUB ABOVE FINISHED GRADE 12" TYPICAL AT EACH END. SEAL ENDS WITH A SILICONE CAULKING. STUB UP AT EACH PAD VERIFY LOCATION WITH PROPANE CONTRACTOR

NOTE:
CONTRACTOR TO PLACE WARNING TAPE 1'-0" ABOVE ALL UNDERGROUND TELCO & POWER RUNS

GENERAL ELECTRICAL NOTES:

- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
- 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDING APPROXIMATELY 20'-0" O/C. (CADD WELD ALL CONNECTIONS)
- 5) ALL GROUND RING CONNECTIONS TO BE AS CLOSE AS POSSIBLE, SHARP BENDS WILL NOT BE PERMITTED AS WELL AS "T" CONNECTIONS. ALL CONNECTIONS TO HAVE A SWEEPING RADIUS OF 8" MINIMUM. GROUNDING CONFIGURATION TO BE IN PARALLEL.
- 6) CONTACT POINTS FOR GROUNDING TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
- 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
- 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
- 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.

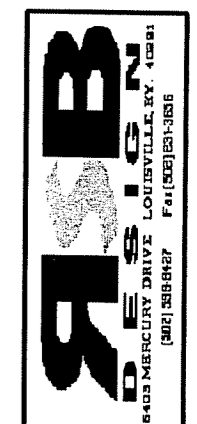
NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS.

SYMBOLS LEGEND

- KEYNOTE
- INSPEC. SLEEVE / GRND ROD
- INSPECTION SLEEVE
- CAD WELD CONNECTION
- TRANSFORMER
- LIGHTNING SUPPRESSOR
- SWITCH (DISCONNECT)
- METER PACK
- POWER
- GAS LINE
- WATER LINE
- SANITARY SEWER
- TELEPHONE
- STORM SEWER DRAIN
- FENCE

SITE PLAN- ELECTRICAL

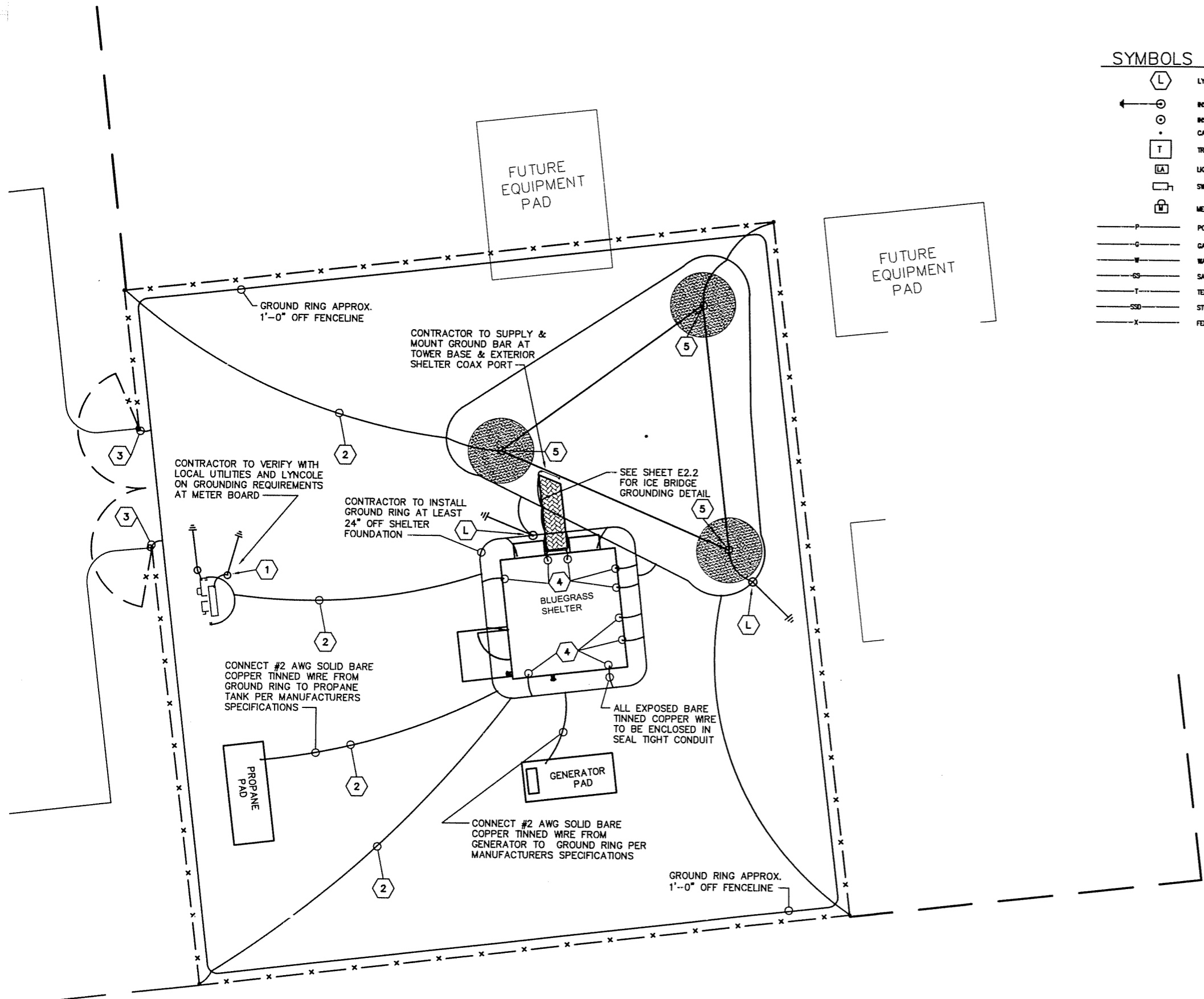
SCALE: 3/32"=1'-0"



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BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
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DRAWN BY: R. BECKER	ISSUE DATE: 07-15-05	SCALE: LISTED
SHEET NUMBER E1.1 OF 2		



SYMBOLS LEGEND

- LYNCOLE XIT ROD
- INSPEC. SLEEVE / GRND ROD
- INSPECTION SLEEVE
- CAD WELD CONNECTION
- TRANSFORMER
- LIGHTNING SUPPRESSOR
- SWITCH (DISCONNECT)
- METER PACK
- POWER
- GAS LINE
- WATER LINE
- SANITARY SEWER
- TELEPHONE
- STORM SEWER DRAIN
- FENCE

GENERAL ELECTRICAL NOTES:

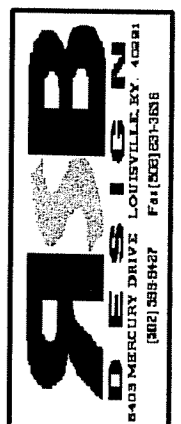
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- 6) CONTACT POINTS FOR GROUNDED TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
- 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
- 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
- 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.

KEYNOTES:

- LYNCOLE XIT GROUNDING ROD TO BE INSTALLED WHERE SHOWN AND TO MANUFACTURERS SPECIFICATIONS. (SEE LYNCOLE SPECIFICATIONS)
- GROUNDING RODS 10'-0" LONG x 3/4" COPPER BONDED GROUND RODS (TYPICAL) SPACING OF RODS INDICATED ON PLANS. INSPECTION SLEEVE TO
- INSTALL AND PROVIDE SOLID BARE TINNED COPPER WIRE #2 AWG, GROUND RING BELOW GRADE 30". USE #2 AWG SOLID BARE TINNED COPPER GROUND "TAP" CONNECTING CONDUCTORS. (CONNECTIONS FOR ALL TAP CONDUCTORS TO BE PARALLEL AND "CAD WELD" CONNECTIONS)
- FLEXIBLE GROUNDING STRAP TO BE USED TO PROVIDE A COMMON BOND BETWEEN GATE AND CHAIN LINK FENCE, #2 AWG SOLID COPPER BARE TINNED CONDUCTOR FROM GROUND RING TO FENCE USING CAD WELD CONNECTIONS. GROUND TAP TO BE PROVIDED ON EACH 4 SIDES TO GROUND RING AS DESCRIBED ABOVE.
- BONDED GROUND TO BE PROVIDED TO GROUND RING FOR EACH OF THE FOLLOWING: BUILDING STEEL, HATCH PLATE, EMERGENCY RECEPTACLE, WAVE GUIDE STRUCTURE, FRAME WORK, BUILDING DISCONNECT.
- FOR TOWER FRAME GROUNDED, REMOVE GALVANIZED COATING COMPLETELY AT SPOT TO "CAD WELD" TO AND CLEAN. #2 AWG SOLID BARE TINNED COPPER CONDUCTOR TO BE CAD WELDED APPROXIMATELY 1'-0" ABOVE FOUNDATION OR AT FLANGE IF PROVIDED BY TOWER MANUFACTURER. EXTEND CONDUCTOR TO GROUND RING. RIGHT ANGLES NOT ACCEPTED ALL BENDS TO BE SWEEPING.

SITE PLAN-GROUNDING

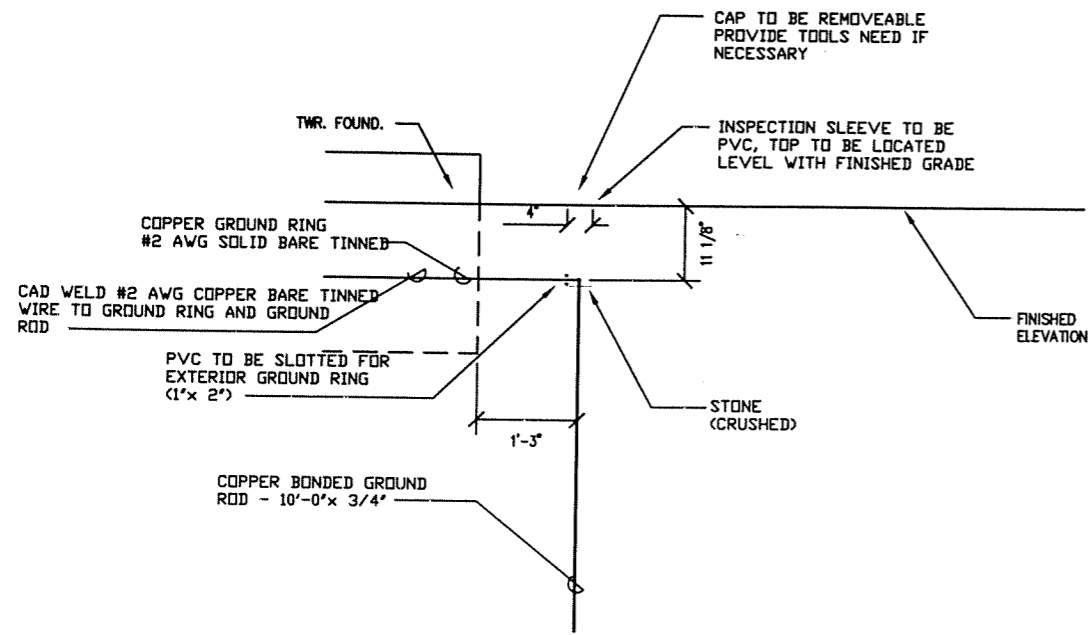
SCALE: 3/32"=1'-0"



NO.	DATE	REVISION

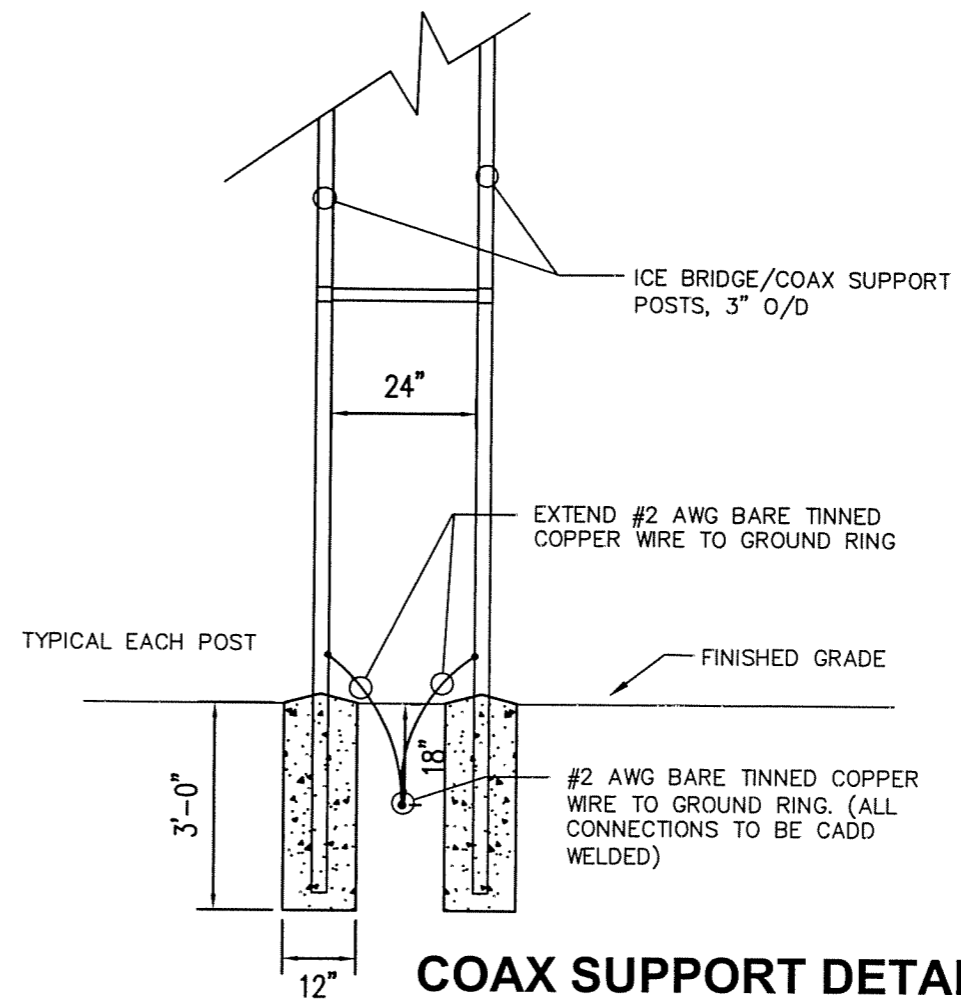
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
PULASKI WEST
 1715 N. MINTON RD. NANCY, KY. 42544

DRAWN BY: R. BECKER	ISSUE DATE: 07-15-05	SCALE: LISTED
SHEET NUMBER E2.1 OF 2		



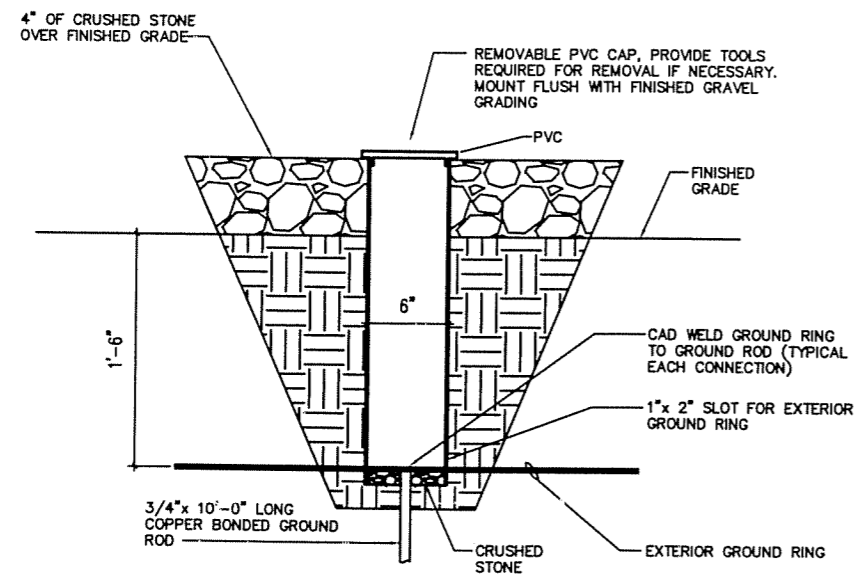
GROUND ROD DETAIL

NO SCALE



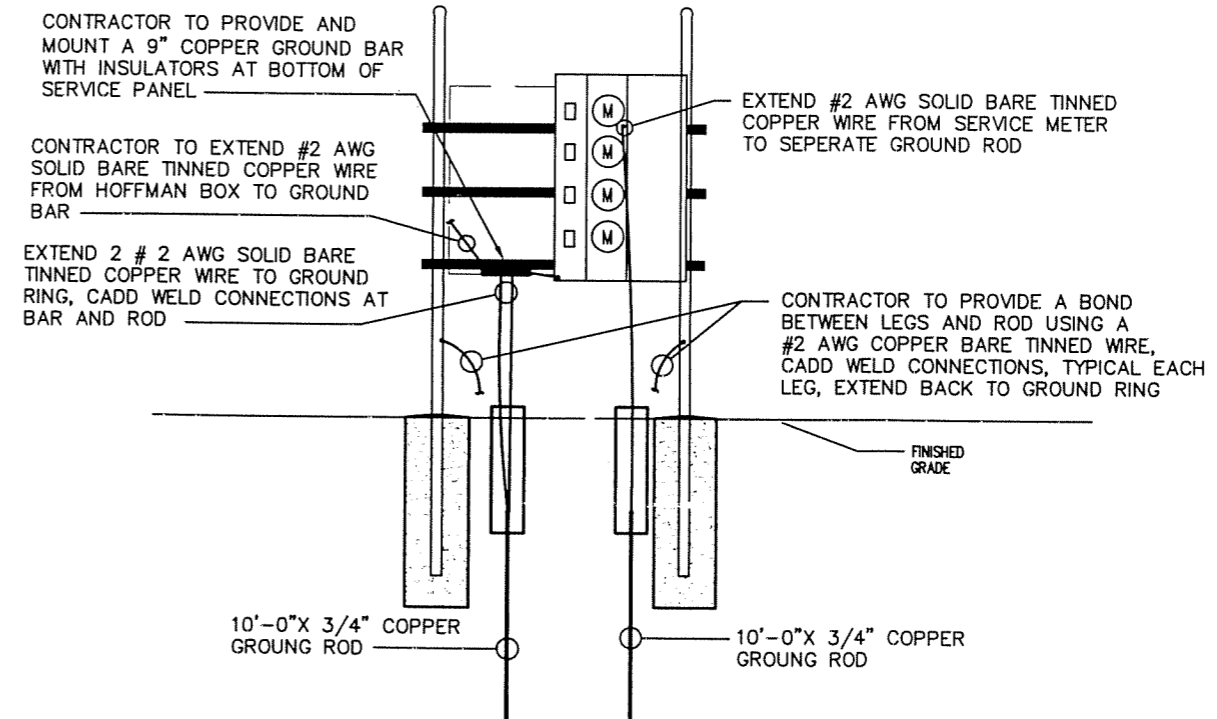
COAX SUPPORT DETAIL

NO SCALE



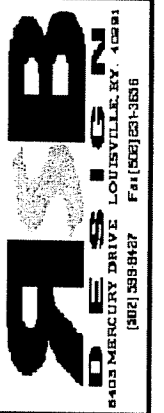
GROUND SLEEVE DETAIL

NO SCALE



SERVICE BOARD DETAIL

NO SCALE



NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
PULASKI WEST
1715 N. MINTON RD. NANCY, KY. 42544

DRAWN BY: R. BECKER
ISSUE DATE: 07-15-05
SCALE: LISTED

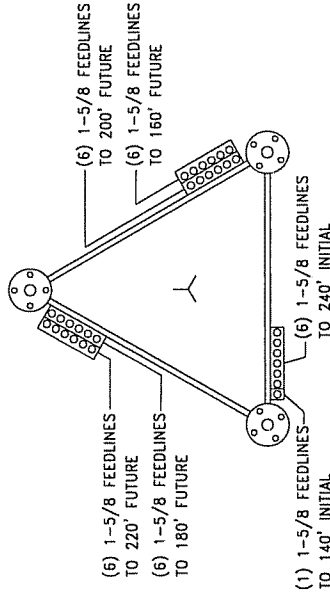
SHEET NUMBER
E2.2
OF
2

MEMBER CHART

SECTION	ELEVATION	FACE SIZE	LEGS	GIRTS			SECTION WEIGHT (lbs.)
				DIAGONALS	HORIZONTALS	CLIMBING	
A	0' - 20'	19.00' - 17.50'	3-3/4	L 3 x 3 x 3/16	N/A	NOTE: 3	3975
B	20' - 40'	17.50' - 16.00'	3-3/4	L 3 x 3 x 3/16	N/A	NOTE: 3	3875
C	40' - 60'	16.00' - 14.50'	3-1/2	L 3 x 3 x 3/16	N/A	NOTE: 3	3500
D	60' - 80'	14.50' - 13.00'	3-1/2	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3	3225
E	80' - 100'	13.00' - 11.50'	3-1/4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3	2875
F	100' - 120'	11.50' - 10.00'	3-1/4	L 2-1/2 x 2-1/2 x 3/16	N/A	NOTE: 3	2800
G	120' - 140'	10.00' - 8.50'	3	L 2 x 2 x 3/16	N/A	NOTE: 3	2350
H	140' - 160'	8.50' - 7.00'	3	L 2 x 2 x 3/16	N/A	NOTE: 3	2275
I	160' - 180'	7.00' - 5.50'	2-3/4	L 2 x 2 x 3/16	N/A	NOTE: 3	1950
J	180' - 200'	5.50' - 4.00'	2-1/2	L 2 x 2 x 3/16	N/A	NOTE: 3	1650
K	200' - 220'	4.00'	1-3/4	5/8 S.R.	3/4 S.R.	NOTE: 3	875
L	220' - 240'	4.00'	1-3/4	5/8 S.R.	3/4 S.R.	NOTE: 3	850

Feedline Distribution Information

- The Tower Structure is Designed According To The Feedline Distribution Information Provided.



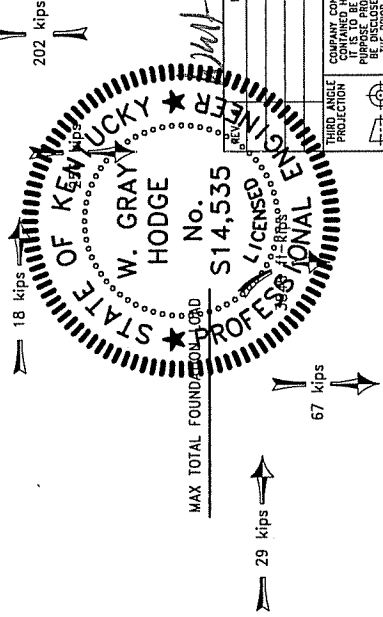
ANTENNA INFORMATION

ANTENNA	ELEVATION	LINE
(6) 59210	@ 240'	1-5/8
(6) 59210	@ 220'	1-5/8
(6) 59210	@ 200'	1-5/8
(6) 59210	@ 180'	1-5/8
(6) 59210	@ 160'	1-5/8
(1) 6" HP DISH	@ 140'	1-5/8

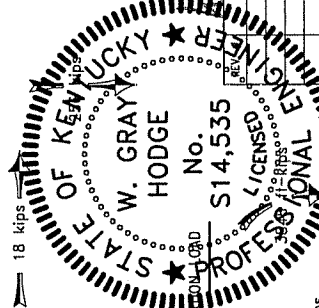
DESIGN & DRAWING NOTES:

- SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- TOWER STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANS/EIA-222-F STANDARDS FOR A BASIC WIND SPEED OF 70 MPH WITH 1/2" ICE.
- TOWER DESIGNED FOR CLIP-ON CLIMBING LADDER AND CLIP-ON WAVEGUIDE LADDERS.
- ALL LEG & LEG FLANGE PL MATERIAL IS ASTM A-572 GRADE 50 (Fy > 50 ksi). ALL OTHER MATERIAL IS ASTM A36 (Fy > 36 ksi).
- SECTIONS A - J ARE 3-BAY X-BRACED
SECTIONS K - L ARE 6-BAY X-BRACED
- (6) 1-1/8" Ø ASTM A449 ANCHOR BOLTS REQUIRED PER LEG.

MAX INDIVIDUAL LEG LOADS



MAX TOTAL FOUNDATION LOAD



Dielectric
 TOWER OPERATIONS
 P.H. (812) 853-0595
 FAX (812) 853-6652
 2855 HIGHWAY 261
 NEWBURCH, IN. 47630

ELEVATION VIEW & MEMBER INFORMATION
 PULASKI CO., KY. (PULASKI WEST)

REV
 DWG NO.
 S2754T-1 (18104r3)
 DO NOT SCALE DRAWING

DATE	APP.	DATE	DATE	DATE
8-12-05				

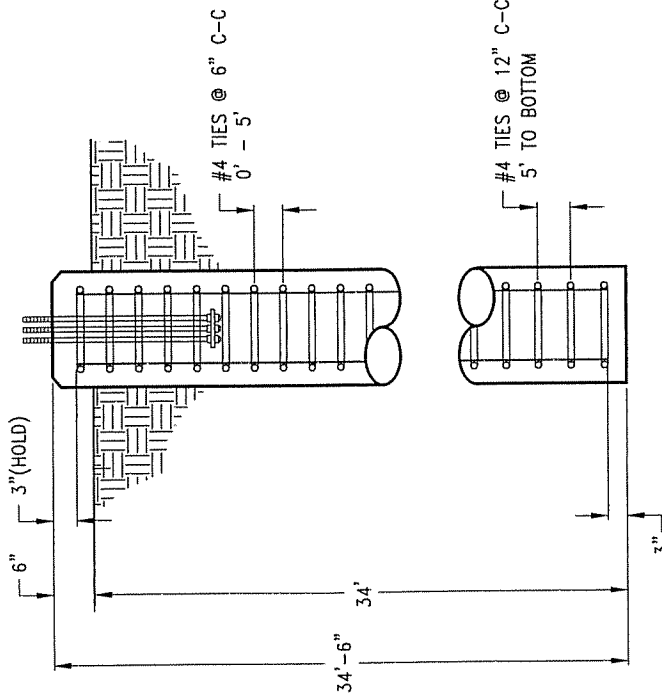
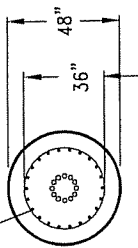
TOLERANCES
 ANGLES ± 2"
 DRILLED HOLES #1/32"
 BURNED HOLES #1/16"

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: INCHES

THIS ANGLE PROJECTION

COMPANY CONFIDENTIAL INFORMATION
 THIS DRAWING IS TO BE USED SOLELY FOR THE
 PURPOSE PROVIDED, AND IT IS NOT TO
 BE REPRODUCED OR TRANSMITTED IN ANY
 FORM OR BY ANY MEANS WITHOUT THE
 PRIOR WRITTEN CONSENT OF
 THE SIX CORPORATION

VERTICAL REBAR EQUALLY SPACED
SEE REBAR CHART FOR VERTICAL
REBAR REQUIRED.



REBAR CHART (1)-CAISSON

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	PCS. OF REBAR	TOTAL FT.
VERTS	#9 GRADE 60	34'	N/A	21	714'
TIES	#4 GRADE 60	N/A	36" ϕ	39	368'

REBAR CHART (3)-CAISSONS

REBAR	REBAR SIZE	REBAR LENGTHS	REBAR DIA.	PCS. OF REBAR	TOTAL FT.
VERTS	#9 GRADE 60	34'	N/A	63	2142'
TIES	#4 GRADE 60	N/A	36" ϕ	117	1104'

APPROXIMATE CONCRETE REQ'D PER CAISSON = 16 YD³
TOTAL CONCRETE = 48 YD³

NOTES:

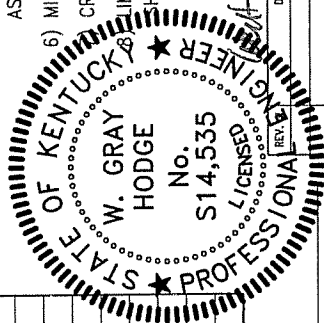
- 1) ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 301 AND ACI318.
- 2) THIS FOUNDATION IS DESIGNED TO CONFORM ACI 318-99 AND ANSI/EIA-227-F STANDARDS UTILIZING THE SOILS REPORT PREPARED BY TERRACON. PROJECT # 570573556. A COPY SHALL BE PROVIDED TO THE FOUNDATION CONTRACTOR. SOIL CONDITIONS THAT DIFFER FROM THOSE DESCRIBED IN THE REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER/INSPECTOR. ALL COMMENTS OR RECOMMENDATIONS REGARDING CONSTRUCTION TESTING OR CONSTRUCTION MONITORING SHALL BE STRICTLY FOLLOWED.
- 3) ALL CONCRETE SHALL BE 3000 PSI AT 28 DAYS. CYLINDERS SHALL BE PROPERLY CAST WITH COPIES OF THE TEST REPORTS GOING TO THE RESIDENT ENGINEER/INSPECTOR.
- 4) ALL ADMIXTURES MUST BE ADDED SEPARATELY INTO FRESH CONCRETE AND SUFFICIENTLY MIXED. A NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE C. A WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE A.
- 5) ALL BACKFILL SHALL BE PLACED IN 9 INCH LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698 UNLESS MORE STRINGENT COMPACTION IS REQUIRED BY THE SOIL REPORT.
- 6) MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
CROWN TOP OF PIER FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1 INCH. LIMESTONE ENCOUNTERED. MAT FOUNDATION NOT RECOMMENDED BY SOIL. SHAFT DEPTH AS LISTED OR AT LEAST 3' INTO LIMESTONE.

REBAR SPlicing CHART

BAR SIZE	SPlice LENGTH
3	15"
4	17"
5	21"
6	26"
7	30"
8	36"
9	46"
10	58"
11	71"

SPlicing NOTES:

- 1) STAGGER ALL SPlices.
- 2) SPlice CHART IS BASED ON 3000 PSI CONCRETE.
- 3) SPlice REBAR ONLY WHEN NECESSARY.



Dialectric
TOWER OPERATIONS
PH# (812) 853-0595
FAX# (812) 853-6652
2855 HIGHWAY 261
NEWBURGH, IN. 47630

TITLE
CAISSON FOUNDATION DESIGN

PULASKI CO., KY. (PULASKI WEST)
DWG NO. **S2754T-F1(18104r3)**
REV **0**

TEMPLATE DESIGN

Job No. :

S2754T

Base Size (In Feet) :

19.000

Site Location :

PULASKI WEST, KY

Support Angle Information

Description (Angle)	Cut Length" (Ft.)	# Req'd
2.5 x 2.5 x 0.25	17	3.0000

Bearing Plate Information

Outer Dia.	# Holes	Bolt Drill	Bolt Circle	# Req'd
10	6	1.25	7.5	3

Anchor Bolt Information

Material Type	Bolt Diameter	LGTH. (in)	# Req'd	"A" (In.)	Embed. Depth "B" (In.)
ASTM A449	1.125	84	18	6.75	77.25

Securing Plate Information

# Holes	Bolt Drill	Bolt Circle	# Req'd
6	1.1875	7.5	3

** ANGLES SUPPLIED ARE FOR APPROXIMATE BOLT LOCATION ONLY.

** PLEASE CHECK THE DISTANCE FROM OUTER MOST BOLT HOLES (BOLTS FARTHEST FROM THE TOWER CENTER) .

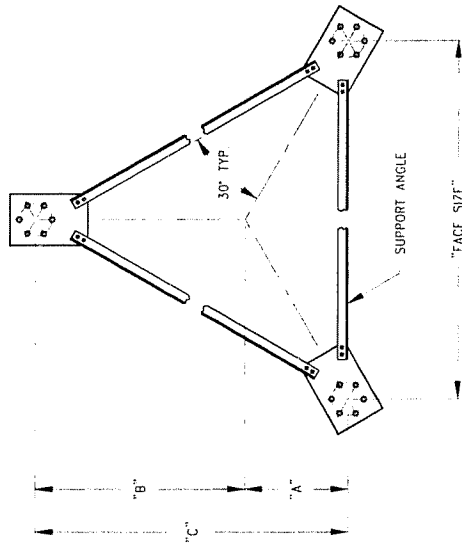
Template Assembly

Face Size	"A" (ft)	"B" (ft)	"C" (ft)
19	5.485	10.970	16.454

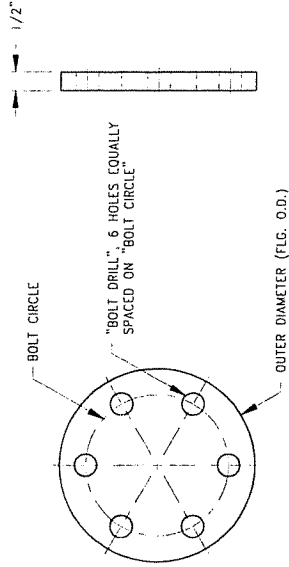
Outer Bolt Distance Should Be =

19 feet - 6.50 inches

TEMPLATE ASSEMBLY

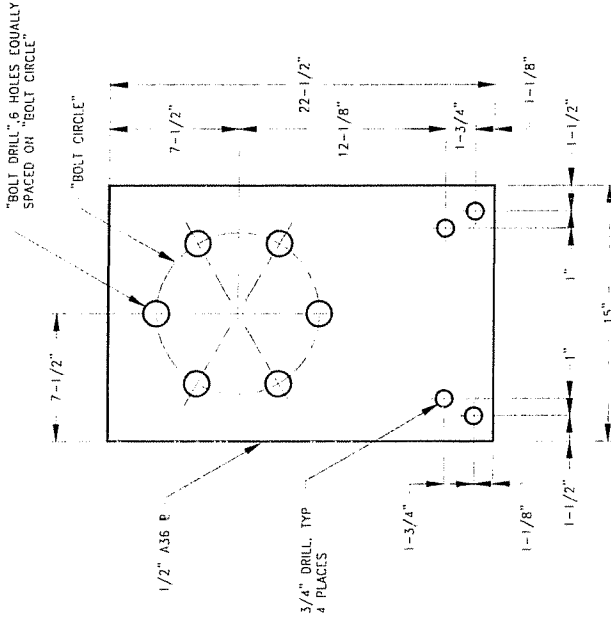


BEARING PLATE DETAIL



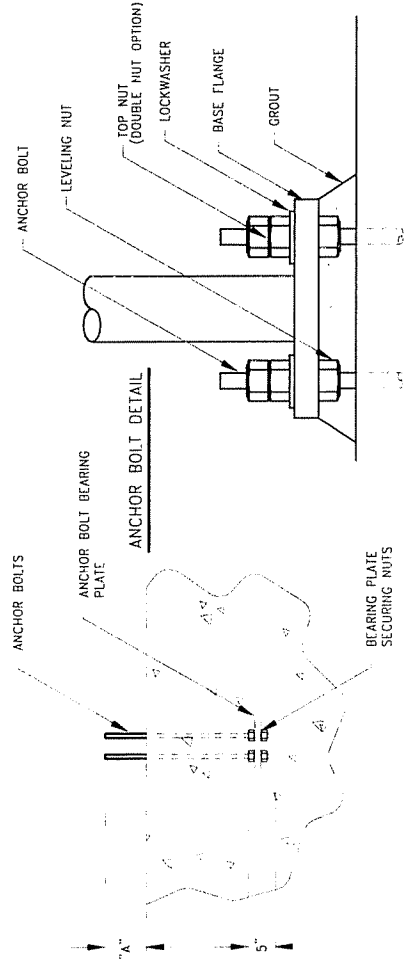
VARIABLE DIMENSIONS FOR TEMPLATE ARE ON THE
 TEMPLATE DESIGN CHART PRECEDING THIS PAGE

SECURING PLATE DETAIL

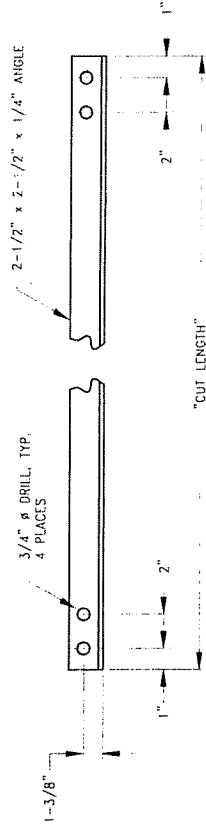


ANCHOR BOLT INSTALLATION NOTES:

- 1) POSITION AND ATTACH ANCHOR BOLT ASSEMBLIES IN TEMPLATE.
- 2) SECURE ANCHOR BOLTS AND REBAR IN FORMS BEFORE POURING CONCRETE.
- 3) SET TOWER USING LEVELING NUTS TO PLUMB.
- 4) AFTER LEVELING, GROUT UNDER FLANGES USING HIGH STRENGTH NONSHRINKING GROUT.



SUPPORT ANGLE DETAIL



Dielectric
 TOWER OPERATIONS
 P.O. BOX 100
 NEWBURGH, IN. 47630
 PH# (812) 853-0595
 FAX# (812) 853-6652
 2855 HIGHWAY 261
 NEWBURGH, IN. 47630

TITLE: **6-HOLE TEMPLATE DESIGN**
 DWG. NO.: **6-IMPLET**
 REV: **---**

REV.	DESCRIPTION	DATE	APP.	BY	DATE	SCALE
2-B-94						

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:	INCHES
TOLERANCES	
ANGLES	± 2°
DRILLED HOLES	± 1/32"
BURNED HOLES	± 1/16"

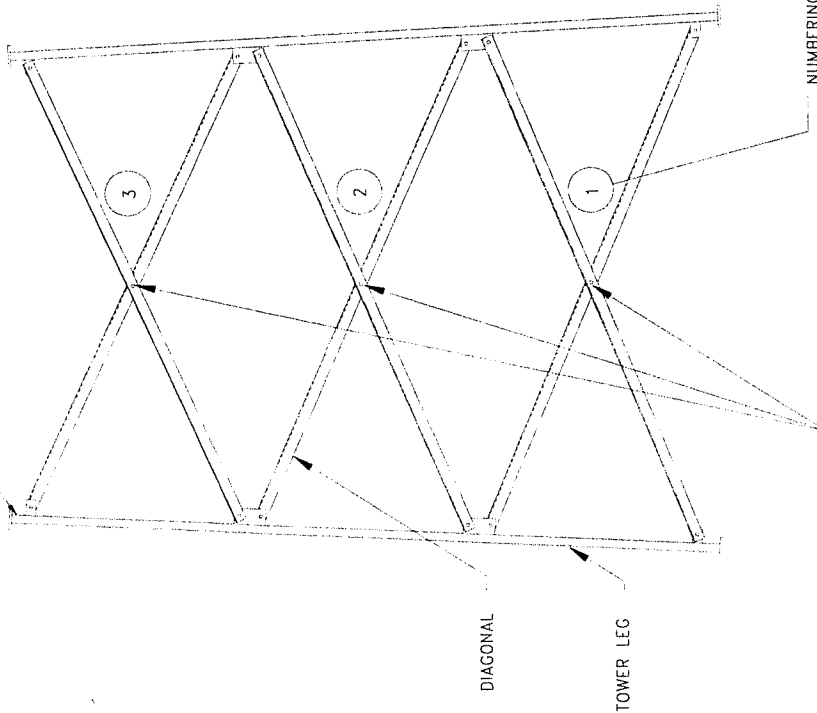
THIS DRAWING CONTAINS INFORMATION THAT IS CONFIDENTIAL TO THE COMPANY AND IS TO BE KEPT SECRET AND NOT TO BE DISCLOSED TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF THE COMPANY.

DO NOT SCALE DRAWING

3-BAY SECTION ASSEMBLY

STANDARD TAPERED FACE

SEE NOTE 7

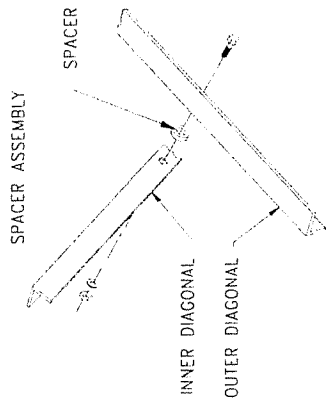
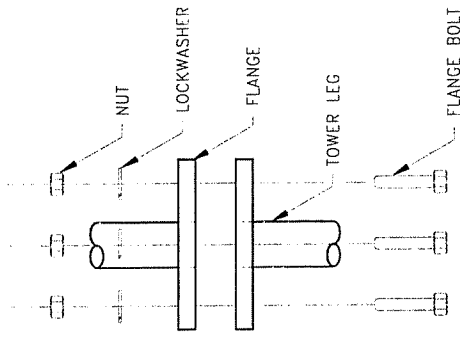


STANDARD FACE DOUBLE ANGLE CONNECTIONS

NUMBERING SYSTEM IS PROVIDED FOR INNER MEMBERS TO ENSURE PROPER INSTALLATION : (JOB NO. - C - 1)

JOB NO.

FLANGE CONNECTION DETAIL



NOTES:

- 1) ALL LADDER FACES OR CLIMBING LEGS ON ALL SECTIONS MUST BE ALIGNED TOGETHER.
- 2) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- 3) SEE SHIPMENT LIST FOR BOLT SIZES & LOCATIONS.
- 4) ALL INNER MEMBER CONNECTIONS ARE SINGLE ANGLE CONNECTIONS UNLESS NOTED OTHERWISE.
- 5) DIAGONAL INSTALL INSTRUCTIONS. INSIDE DIAGONALS TO BE INSTALLED FIRST. OUTSIDE DIAGONALS TO BE INSTALLED SECOND. BOLTS ARE TO BE INSTALLED FROM THE INSIDE OF THE TOWER SO THAT THE THREADS ARE PROTRUDING TOWARDS THE OUTSIDE OF THE TOWER FACE.
- 6) IN CASE OF CLEARANCE PROBLEMS THE DIRECTION OF BOLT CAN BE CHANGED FROM (INSIDE TO OUT) TO (OUTSIDE TO IN).
- 7) SECTION LABELING SYSTEM IS TO BE USED FOR PROPER IDENTIFICATION OF ALL SECTIONS AND TO ENSURE PROPER INSTALLATION. LEG MEMBERS WILL BE STAMPED WITH APPROPRIATE SECTION LETTER AT TOP OF LEG.

SECTION LOCATION

REV. #	DESCRIPTION	DATE	APP.	DATE	DATE
				5-27-97	

TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:
.XX	ANGLES 1/2"
.XX±	DRILLED HOLES 1/32"
.XXX±	DRILLED HOLES 1/8"
.XXXX	1/16"
	BURNED HOLES 1/8"

Dielectric
A DIVISION OF P. O. BOX 100
TOWER OPERATIONS

PH# (612) 853-0895
FAX# (612) 853-6852
2855 HIGHWAY 261
NEWBURGH, IN. 47630

TITLE
3-BAY-T-X INSTALLATION DRAWING

DWG. NO.
3-BAY-T-IND

REV.

DO NOT SCALE DRAWING

LEGS

Job No.: **SZ754T**
 Site Location: **PULASKI WEST, KY**

Section	Stock Leg Numbers	Leg Type	Leg Size (O.D.)	# Of Bays	Leg Dimension Information				Pipe Leg Cut	Minimum Weld	Safety Climb Tab Req'd	Leg Plate Angle
					"A" (m.)	"B" (m.)	"C" (m.)	"D" (m.)				
A	S 375 38 75 NH	SR	3.75	3	240	8.00	74.667	N/A	N/A	N	60	
B	S 375 38 75 NH	SR	3.75	3	240	8.00	74.667	N/A	N/A	N	60	
C	U 350 38 75 NH	SR	3.5	3	240	8.00	74.667	N/A	N/A	N	60	
D	S 350 38 75 NH	SR	3.5	3	240	8.00	74.667	N/A	N/A	N	60	
E	S 325 38 75 NH	SR	3.25	3	240	8.00	74.667	N/A	N/A	N	60	
F	S 325 38 75 NH	SR	3.25	3	240	8.00	74.667	N/A	N/A	N	60	
G	S 300 38 75 NH	SR	3	3	240	8.00	74.667	N/A	N/A	N	60	
H	S 300 38 75 NH	SR	3	3	240	8.00	74.667	N/A	N/A	N	60	
I	U 275 38 75 NH	SR	2.75	3	240	8.00	74.667	N/A	N/A	N	60	
J	A 250 38 75 NH	SR	2.5	3	240	8.00	74.667	N/A	N/A	N	60	

Note 1: For Grounding Tab., Enter Yes Or No (Y, N).

LEG PLATES

Job No.: **SZ754T**
 Site Location: **PULASKI WEST, KY**

Section	Leg Plate Dimension Information			Middle PL Leg PL "D" / Req'd	Minimum Weld
	"A"	"B"	"C"		
A	3.25	1.75	0.38	12	0.8125
B	3.25	1.75	0.38	12	0.8125
C	3.25	1.75	0.38	12	0.8125
D	3.25	1.75	0.38	12	0.8125
E	3.25	1.75	0.38	12	0.8125
F	3.25	1.75	0.38	12	0.8125
G	3.25	1.75	0.38	12	0.8125
H	3.25	1.75	0.38	12	0.8125
I	3.25	1.75	0.38	12	0.8125
J	3.25	1.75	0.38	12	0.8125

SPACERS

Job No.: **SZ754T**
 Site Location: **PULASKI WEST, KY**

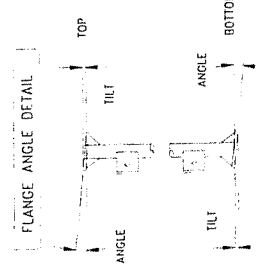
Section	Spacer Information			# Req'd
	Spacer Size	Length (In.)	Leg	
A	1" Sch. 40	0.375	9	9
B	1" Sch. 40	0.375	9	9
C	1" Sch. 40	0.375	9	9
D	1" Sch. 40	0.375	9	9
E	1" Sch. 40	0.375	9	9
F	1" Sch. 40	0.375	9	9
G	1" Sch. 40	0.375	9	9
H	1" Sch. 40	0.375	9	9
I	1" Sch. 40	0.375	9	9
J	1" Sch. 40	0.375	9	9

Note 1: Use 1" sch 40 Pipe For 1" o Bolts & Under.

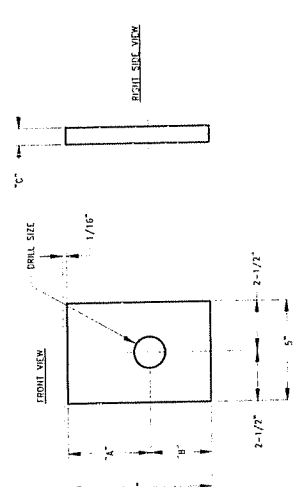
Note 2: Use 1-1/2" sch 40 Pipe For 1-1/8" o Bolts & Over.



2" x 2" x 1/4" TAB WITH 7/16" Ø HOLE REQUIRED FOR GROUNDING

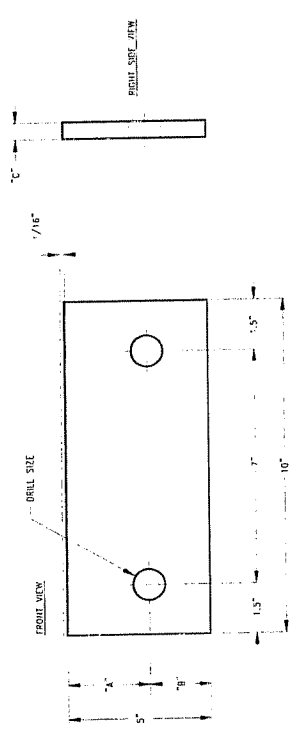


TOP/BOTTOM LEG PLATE DETAIL S

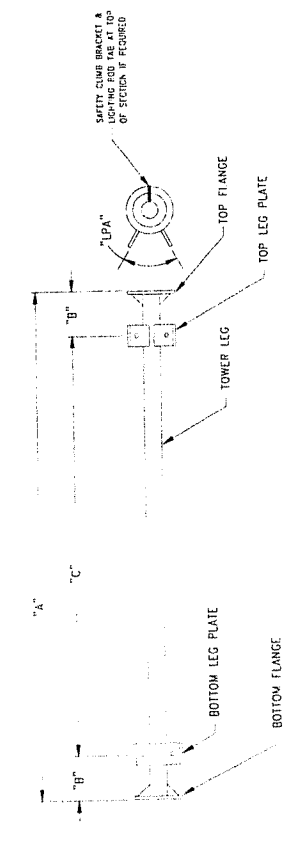
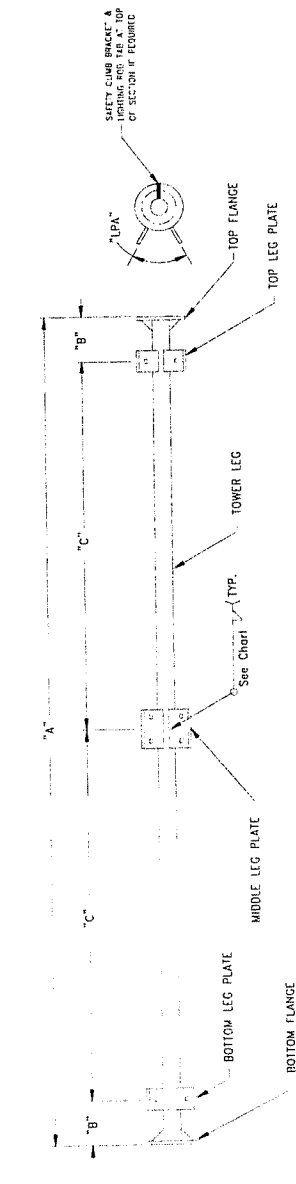
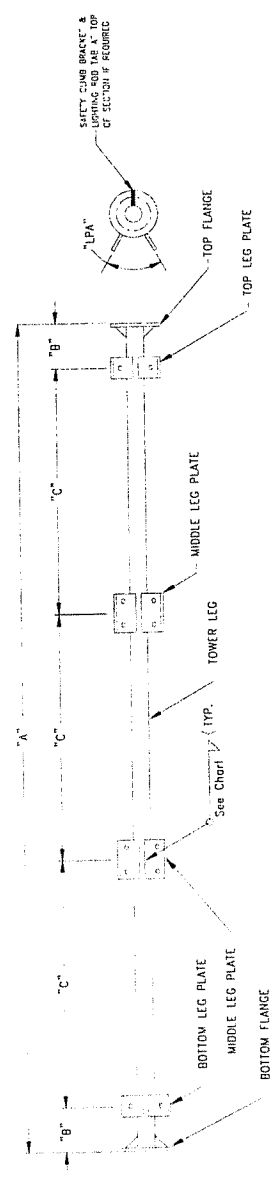
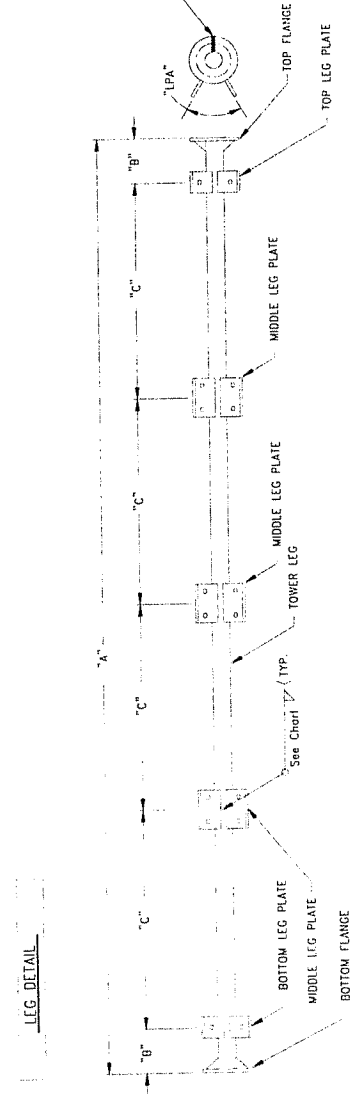


NOTE: EDGE OF "ONCE" LEG IS REPRESENTED BY PHANTOM LINE.

MIDDLE LEG PLATE DETAIL D



NOTE: EDGE OF "ONCE" LEG IS REPRESENTED BY PHANTOM LINE.



Dielectric
A DIVISION OF
TOWER OPERATIONS

PH# (812) 853-0595
FAX# (812) 853-6652
2855 HIGHWAY 261
NEWBURGH, IN. 47630

REV. #	DATE	DESCRIPTION	APP. DATE	DESIGN CHECK	DATE	DATE	TITLE
						6-14-01	LEG WELD ASSEMBLY & SPACER DETAILS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
ANGLES ± 2'
XX2 3/32" DR. ED. HOLES #1/32"
XX4 1/16" BURIED HOLES #1/16"

DWG. NO.	XB 1-4 BAY SR
REV.	-

30 NOT SCALE DRAWING

FLANGE DETAIL CHART

JOB NO. S2754T TOWER HT. 240 BASE (FT.) 19.000

LOCATION PULASKI WEST, KY

FLANGE DETAILS																	
SECTION	LOCATION	ELEV.	THICKNESS	I. D.	O. D.	B. C.	BOLT DRILL	# HOLES	# REQ'D	IN. FILET WELD	IN. BEVEL WELD/SIZE	OUT. FILET WELD	OUT. BEVEL WELD/SIZE	BOLT DETAILS			
														ELEV.	# BOLTS	SIZE	LENGTH
A	BOTTOM	0	1.250	3.875	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.6250	0	18	1.125	84.00
A	TOP	20	1.250	3.875	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.6250	20	18	1.125	4.25
B	BOTTOM	20	1.250	3.875	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.6250	20	18	1.125	4.25
B	TOP	40	1.250	3.875	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.6250	40	18	1.125	4.25
C	BOTTOM	40	1.250	3.625	10.00	7.50	1.250	6	3	0.5000	N/A	N/A	0.6250	60	18	1.000	4.00
C	TOP	60	1.250	3.625	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	60	18	1.000	4.00
D	BOTTOM	60	1.250	3.625	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	80	18	1.000	4.00
D	TOP	80	1.250	3.625	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	80	18	1.000	4.00
E	BOTTOM	80	1.250	3.375	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	100	18	1.000	4.00
E	TOP	100	1.250	3.375	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	100	18	1.000	4.00
F	BOTTOM	100	1.250	3.375	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	120	18	1.000	4.00
F	TOP	120	1.250	3.375	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	120	18	1.000	4.00
G	BOTTOM	120	1.250	3.125	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	140	18	1.000	4.00
G	TOP	140	1.250	3.125	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	140	18	1.000	4.00
H	BOTTOM	140	1.250	3.125	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	160	18	1.000	4.00
H	TOP	160	1.250	3.125	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	160	18	1.000	4.00
I	BOTTOM	160	1.250	2.875	10.00	7.50	1.125	6	3	0.5000	N/A	N/A	0.6250	180	12	1.000	3.50
I	TOP	180	1.000	2.875	7.50	5.50	1.125	4	3	0.3750	N/A	N/A	0.5000	180	12	1.000	3.50
J	BOTTOM	180	1.000	2.625	7.50	5.50	1.125	4	3	0.3750	N/A	N/A	0.5000	200	12	1.000	3.50
J	TOP	200	1.000	2.625	7.50	5.50	1.125	4	3	0.3750	N/A	N/A	0.5000	200	12	1.000	3.50
K	BOTTOM	200	1.000	1.875	7.50	5.50	1.125	4	3	0.3750	N/A	N/A	0.5000	220	12	0.875	3.00
K	TOP	220	0.750	1.875	7.50	5.50	1.000	4	3	0.3750	N/A	N/A	0.3750	220	12	0.875	3.00
L	BOTTOM	220	0.750	1.875	7.50	5.50	1.000	4	3	0.3750	N/A	N/A	0.3750	240	N/A	N/A	N/A
L	TOP	240	0.750	1.875	7.50	5.50	1.000	4	3	0.3750	N/A	N/A	0.3750	240	N/A	N/A	N/A

GUSSET DETAIL CHART

JOB NO. S2754T

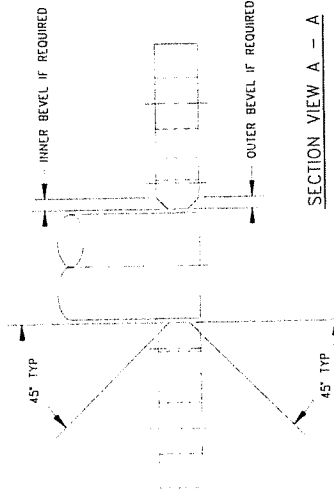
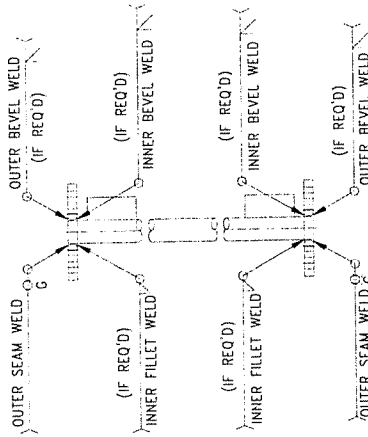
TOWER HT. 240

FACE WIDTH (FT.) 19.000

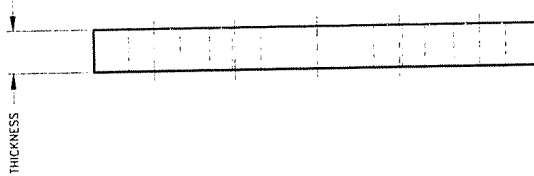
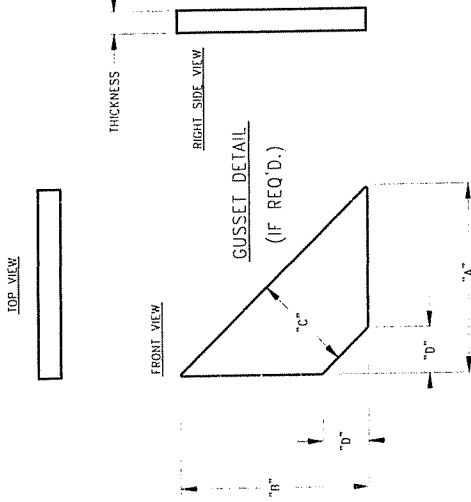
LOCATION PULASKI WEST, KY

SECTION	LOCATION	EL.	THICKNESS	"A"	"B"	"C"	"D"	TOTAL REQ'D	H/F/N	WELD	GUS / FLG (CLR)	GUS / BOLT (CLR)	ANGLE (BLT - GUS)
A	BOTTOM	0	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
A	TOP	20	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
B	BOTTOM	20	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
B	TOP	40	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
C	BOTTOM	40	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
C	TOP	60	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
D	BOTTOM	60	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
D	TOP	80	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
E	BOTTOM	80	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
E	TOP	100	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
F	BOTTOM	100	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
F	TOP	120	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
G	BOTTOM	120	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
G	TOP	140	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
H	BOTTOM	140	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
H	TOP	160	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
I	BOTTOM	160	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
I	TOP	180	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
J	BOTTOM	180	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
J	TOP	200	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
K	BOTTOM	200	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
K	TOP	220	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
L	BOTTOM	220	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A
L	TOP	240	N/A	N/A	N/A	N/A	N/A	N/A	N	N/A	N/A	N/A	N/A

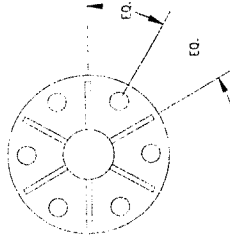
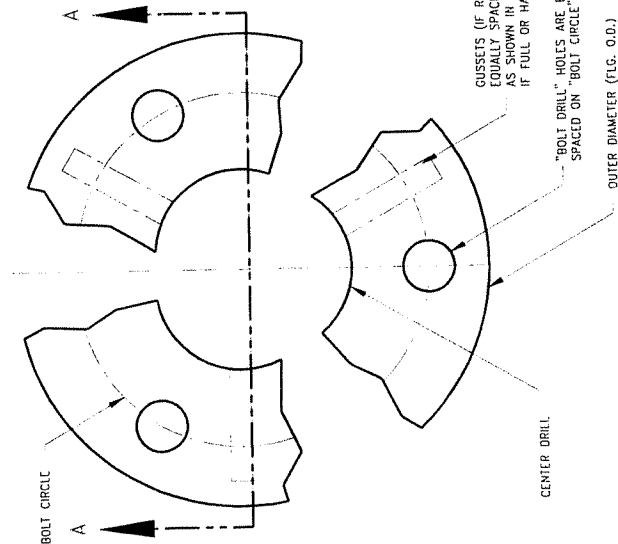
FLANGE WELD DETAIL
(SEE FLANGE CHART FOR WELD SIZES)



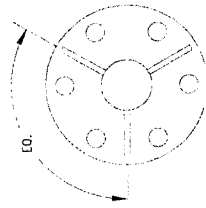
SECTION VIEW A - A



FLANGE DETAIL



EXAMPLE 1
IF FULL GUSSETS REQ'D.



EXAMPLE 2
IF HALF GUSSETS REQ'D.

NOTES:

- 1) GUSSETS EQUALLY SPACED BETWEEN HOLES.
- 2) INNER BEVEL & INNER WELD IS ALWAYS IN REFERENCE TO THE SIDE OF THE FLANGE WITH GUSSETS OF I.E. TOWARD THE LEG PLATES.

Dielectric
A DIVISION OF SPX CORPORATION
TOWER OPERATIONS

PH# (812) 853-0595
FAX# (812) 853-6652
2855 HIGHWAY 261
NEWBURGH, IN. 47630

REV. NO. _____

FLG-001

DO NOT SCALE DRAWING

REV. #	DESCRIPTION	DATE	APP	DRWR	DATE	DATE	TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:	INCHES
				J.R.S.	5-6-05		.X± 3/32" ANGLES± 2° .XX± 3/32" DRILLED HOLES ± #1/32" .XXX± 1/16" BURNED HOLES ± #1/16"		

COMPANY CONFIDENTIAL INFORMATION
DRAWING INFORMATION IS CONFIDENTIAL
IT IS TO BE USED SOLELY FOR THE
PURPOSE PROVIDED, AND IT IS NOT TO
BE REPRODUCED OR TRANSMITTED IN
ANY FORM OR BY ANY MEANS WITHOUT THE
PRIOR WRITTEN CONSENT OF
SPX CORPORATION

DIAGONALS

Job No. :

S2754T

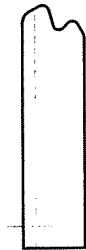
Site Location :

PULASKI WEST, KY

Diagonal Dimension Information

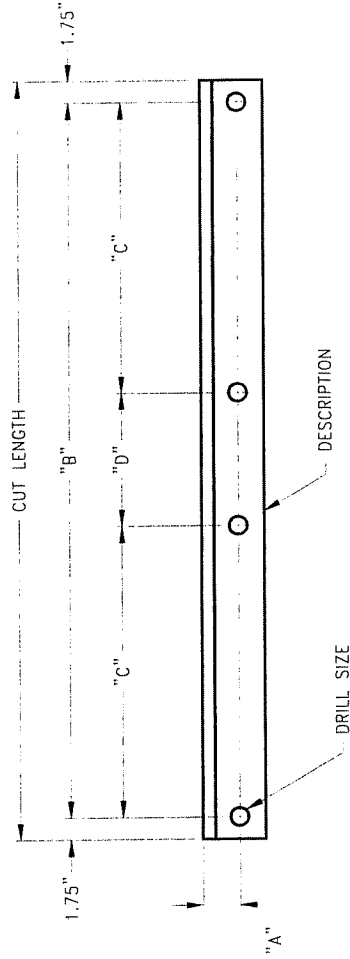
Section	Location	Bays	Description	"A"	"B"	"C"	"D"	Cut Length	Reqd	Drill Size	LABEL	
											#	#
A	1	3	x 0.1875	1.59	225.85	111.52	2.81	229.35	6	0.8125	1	3
A	2	3	x 0.1875	1.59	219.32	108.32	2.67	222.82	6	0.8125	2	3
A	3	3	x 0.1875	1.59	215.00	106.09	2.83	218.50	6	0.8125	3	3
B	1	3	x 0.1875	1.59	208.84	103.00	2.84	212.34	6	0.8125	1	3
B	2	3	x 0.1875	1.59	202.27	99.79	2.69	205.77	6	0.8125	2	3
B	3	3	x 0.1875	1.59	198.11	97.62	2.86	201.61	6	0.8125	3	3
C	1	3	x 0.1875	1.59	192.25	94.69	2.87	195.75	6	0.8125	1	3
C	2	3	x 0.1875	1.59	185.64	91.46	2.72	189.14	6	0.8125	2	3
C	3	3	x 0.1875	1.59	181.65	89.38	2.90	185.15	6	0.8125	3	3
D	1	3	x 0.1875	1.44	175.65	86.37	2.92	179.15	6	0.8125	1	3
D	2	3	x 0.1875	1.44	169.00	83.12	2.77	172.50	6	0.8125	2	3
D	3	3	x 0.1875	1.44	165.24	81.14	2.96	168.74	6	0.8125	3	3
E	1	3	x 0.1875	1.44	159.59	78.30	2.98	163.09	6	0.8125	1	3
E	2	3	x 0.1875	1.44	152.90	75.03	2.83	156.40	6	0.8125	2	3
E	3	3	x 0.1875	1.44	149.41	73.19	3.03	152.91	6	0.8125	3	3
F	1	3	x 0.1875	1.44	143.70	70.31	3.07	147.20	6	0.8125	1	3
F	2	3	x 0.1875	1.44	136.98	67.03	2.92	140.48	6	0.8125	2	3
F	3	3	x 0.1875	1.44	133.86	65.35	3.15	137.36	6	0.8125	3	3
G	1	3	x 0.1875	1.09	128.57	62.68	3.20	132.07	6	0.8125	1	3
G	2	3	x 0.1875	1.09	121.86	59.41	3.05	125.36	6	0.8125	2	3
G	3	3	x 0.1875	1.09	119.19	57.93	3.33	122.69	6	0.8125	3	3
H	1	3	x 0.1875	1.09	114.01	55.30	3.41	117.51	6	0.8125	1	3
H	2	3	x 0.1875	1.09	107.35	52.04	3.27	110.85	6	0.8125	2	3
H	3	3	x 0.1875	1.09	105.30	50.84	3.62	108.80	6	0.8125	3	3
I	1	3	x 0.1875	1.09	100.75	48.49	3.77	104.25	6	0.8125	1	3
I	2	3	x 0.1875	1.09	94.23	45.29	3.64	97.73	6	0.8125	2	3
I	3	3	x 0.1875	1.09	92.98	44.42	4.14	96.48	6	0.8125	3	3
J	1	3	x 0.1875	1.09	89.06	42.31	4.43	92.56	6	0.8125	1	3
J	2	3	x 0.1875	1.09	82.86	39.23	4.39	86.36	6	0.8125	2	3
J	3	3	x 0.1875	1.09	82.67	38.72	5.23	86.17	6	0.8125	3	3

PARTIAL TOP VIEW



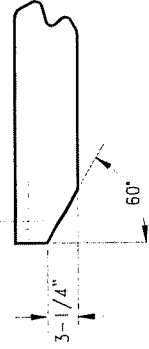
DIAGONAL DETAIL

FRONT VIEW



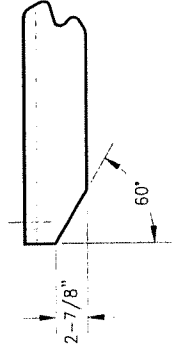
COPE DETAIL 2
5" ANGLE

IF FACE SIZE IS SMALLER THAN 18" AND
LEG SIZE IS SMALLER THAN 4-3/4" ϕ

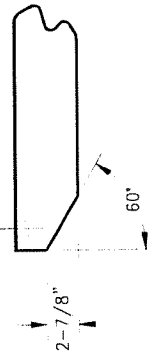


COPE DETAIL 1
5" ANGLE

IF FACE SIZE IS LARGER THAN 18" AND
LEG SIZE IS LARGER THAN 4-3/4" ϕ



COPE DETAIL
3-1/2" & 4" ANGLE



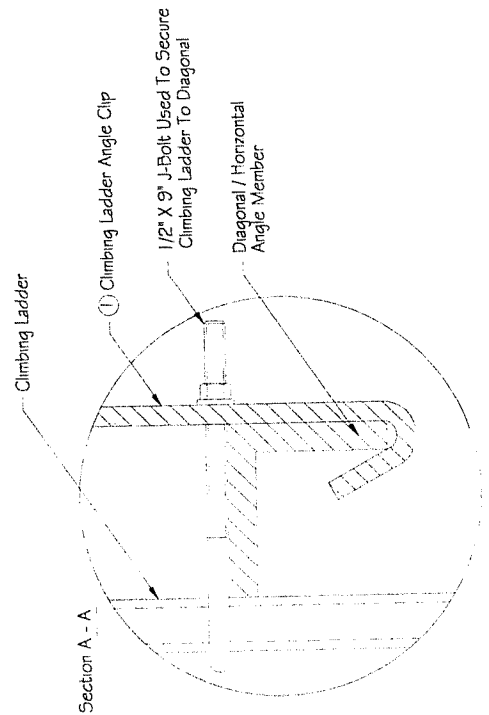
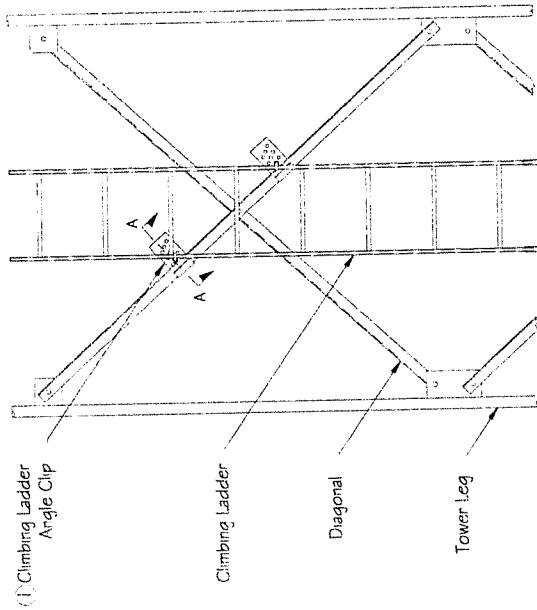
		PH# (812) 853-0595 FAX# (812) 853-6652 2885 HIGHWAY 261 NEWBURGH, IN. 47650	
TOWER OPERATIONS		TITLE: DIAGONAL MEMBER DETAILS FOR SECTION	
REV. NO.		REV.	
X-DIAGONAL		2	
000 NOT SCALE DRAWING		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	

REV. #	DESCRIPTION	DATE	APPROVAL	DATE
1	REVISED 5" ANGLE COPE DETAIL	7-16-04	J.J.B. CHECK	
2	CHANGED 5" COPE	4-21-05	A.W.L. APPROVAL	

TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.X2	3/32" ANGLES ± .2"
.XX4	3/32" DRILLED HOLES ± .015"
.XXX4	1/16" BURNED HOLES ± .015"

COMPANY CONFIDENTIAL INFORMATION
 COMPANY HEREIN IS CONFIDENTIAL
 THIS IS TO BE USED SOLELY FOR THE
 PROJECT AND NOT TO BE REPRODUCED
 OR DISCLOSED TO OTHERS WITHOUT THE
 WRITTEN PERMISSION OF THE
 PROJECT MANAGER

Typical Installations



STEEL PARTS

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	CA20-50	Climbing Ladder Angle Clip	6
2	LAC-20M	Climbing Ladder	1

HARDWARE

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	JBT50-900	1/2" x 9" H.D.G. J-Bolts	6
2	NU50G	1/2" H.D.G. Nuts	6
3	W50G	1/2" H.D.G. Lockwashers	6
4	WT50G	1/2" H.D.G. Flatwashers	6

** Flatwashers Are To Be Used At All Slotted Hole Locations !! **

WEIGHT & ENGINEERING INFORMATION

KIT NO.	WEIGHT (lbs.)	DESCRIPTION	CaAc (Sq. Ft.)
CLKA20-50	120.26	20' Climbing Ladder Kit	N/A

NOTES:

- 1.) This Kit Will Mount on 1-1/2" To 5" Angle.
- 2.) This Kit Can Be Used To Secure Climbing Ladder To Diagonal Or Horizontal Member.
- 3.) Steel Parts Indicated Above With An " * " Will Be Packed With The Hardware.

Dielectric
TOWER OPERATIONS

PH# (812) 853-0595
FAX# (812) 853-6652
2855 HIGHWAY 261
NEWBURGH, IN. 47630

TITLE: 20' CLIMBING LADDER KIT

REV. NO. CLKA20-50

DO NOT SCALE DRAWING

REV. #	DESCRIPTION	DATE	APP. DATE	DRAWN DATE	CHECK DATE	APPROVAL DATE	TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

COMPANY CONFIDENTIAL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS TO BE KEPT AS SUCH. IT IS NOT TO BE DISCLOSED TO OTHERS WITHOUT THE WRITTEN CONSENT OF THE COMPANY.

THIRD ANGLE PROJECTION

SCALE: 1/32" ANGLES 2" X 1/8" 3/32" DRILLED HOLES #1/32" XXXX 1/8" BURRED HOLES #1/16"

STEEL PARTS

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	CSA2-45	Climbing Ladder Round Member Clip	6
2	LAC-20M	Climbing Ladder	1

HARDWARE

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	J3T50-900	1/2" x 9" F.D.G. J-Bolts	12
2	NU50G	1/2" H.D.G. Nuts	12
3	W150G	1/2" H.D.G. Lockwashers	12
4	WF50G	1/2" H.D.G. Flatwashers	12

** Flatwashers Are To Be Used At All Slotted Hole Locations !! **

WEIGHT & ENGINEERING INFORMATION

KIT NO.	WEIGHT (lbs.)	DESCRIPTION	CaAc (Sq. Ft.)
CLKR20-50	129.26	20' Climbing Ladder Kit	N/A

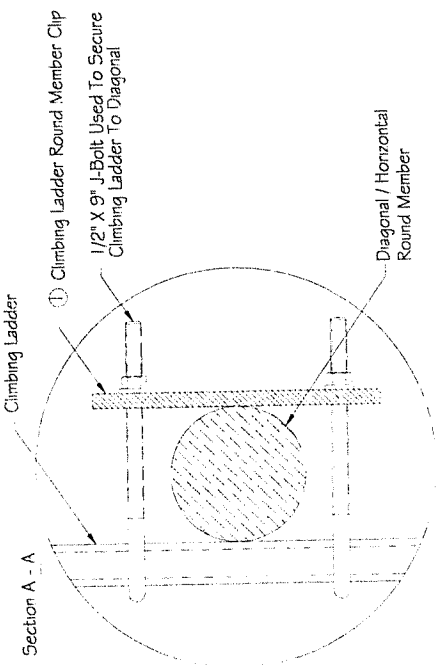
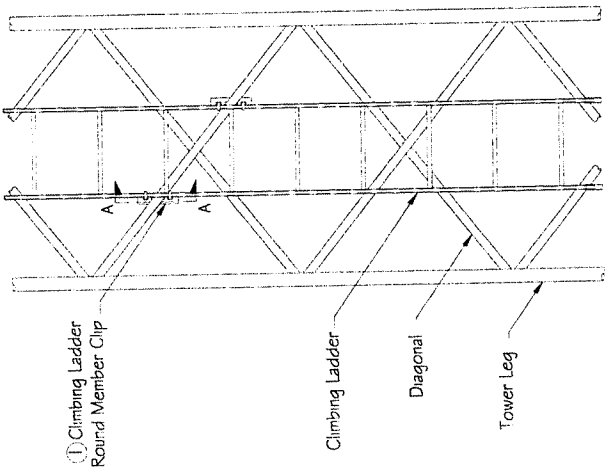
NOTES:

- 1.) This Kit Will Mount on 5/8" To 4-1/2" Round Member.
- 2.) This Kit Can Be Used To Secure Climbing Ladder To Diagonal Or Horizontal Member.
- 3.) Steel Parts Indicated Above With An "a" Will Be Packed With The Hardware.

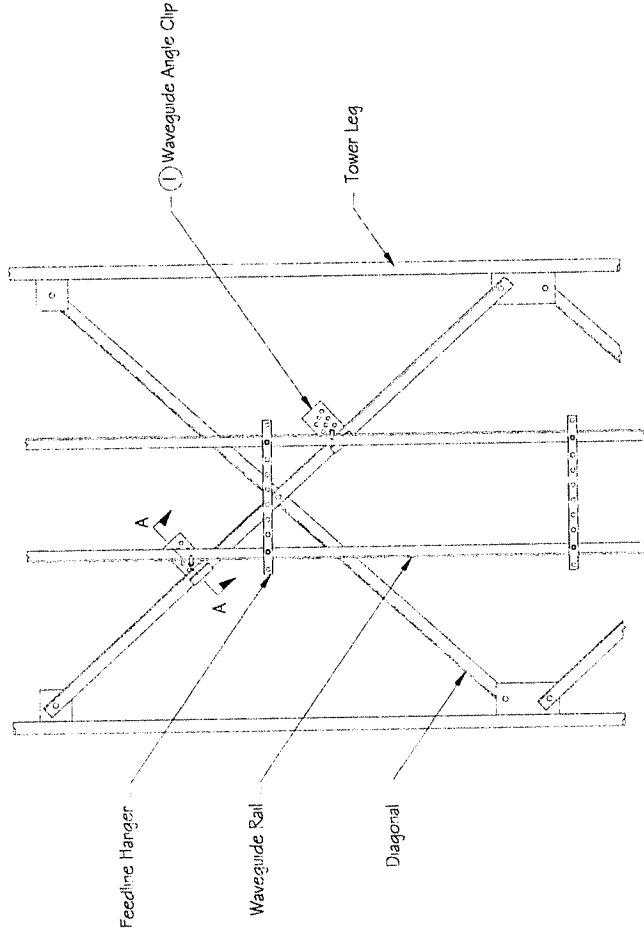
Dielectric
TOWER OPERATIONS
P.O. # (817) 853-0555
FAX # (817) 853-8652
2855 HIGHWAY 261
NEWBURGH, IN. 47630

REV. NO.	CLKR20--50
TITLE	20' CLIMBING LADDER KIT
DATE	10-23-03
DRWN	J.J.B.
CHKD	
APPRVL	
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES	
TOLERANCES	
±.000	±.0005
±.001	±.0015
±.002	±.0025
±.003	±.0035
±.004	±.0045
±.005	±.0055
±.006	±.0065
±.007	±.0075
±.008	±.0085
±.009	±.0095
±.010	±.0105
±.015	±.0115
±.020	±.0125
±.030	±.0145
±.040	±.0165
±.050	±.0185
±.060	±.0205
±.070	±.0225
±.080	±.0245
±.090	±.0265
±.100	±.0285
±.125	±.0325
±.150	±.0365
±.175	±.0405
±.200	±.0445
±.250	±.0545
±.300	±.0645
±.350	±.0745
±.400	±.0845
±.450	±.0945
±.500	±.1045
±.562	±.1145
±.625	±.1245
±.687	±.1345
±.750	±.1445
±.812	±.1545
±.875	±.1645
±.937	±.1745
±.1000	±.1845
±.1125	±.1945
±.1250	±.2045
±.1375	±.2145
±.1500	±.2245
±.1625	±.2345
±.1750	±.2445
±.1875	±.2545
±.2000	±.2645
±.2125	±.2745
±.2250	±.2845
±.2375	±.2945
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±.5750	±.5645
±.5875	±.5745
±.6000	±.5845
±.6125	±.5945
±.6250	±.6045
±.6375	±.6145
±.6500	±.6245
±.6625	±.6345
±.6750	±.6445
±.6875	±.6545
±.7000	±.6645
±.7125	±.6745
±.7250	±.6845
±.7375	±.6945
±.7500	±.7045
±.7625	±.7145
±.7750	±.7245
±.7875	±.7345
±.8000	±.7445
±.8125	±.7545
±.8250	±.7645
±.8375	±.7745
±.8500	±.7845
±.8625	±.7945
±.8750	±.8045
±.8875	±.8145
±.9000	±.8245
±.9125	±.8345
±.9250	±.8445
±.9375	±.8545
±.9500	±.8645
±.9625	±.8745
±.9750	±.8845
±.9875	±.8945
±.10000	±.9045

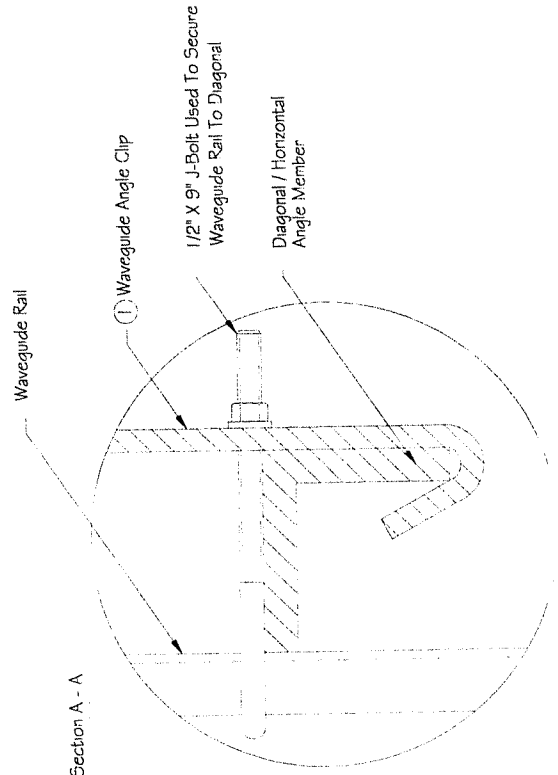
Typical Installations



Typical Installation



Section A - A



STEEL PARTS

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	KA20-50	Waveguide Angle Clip	2

HARDWARE

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	V3T50-900	1/2" x 9" H.D.G. V-Bolts	2
2	NJ50G	1/2" H.D.G. Nuts	2
3	WL50G	1/2" H.D.G. Lockwashers	2

WEIGHT & ENGINEERING INFORMATION

KIT NO.	WEIGHT (lbs.)	DESCRIPTION	CaAc (Sr. Fl.)
KCA20-50	7.22	Waveguide Angle Clip Kit	N/A

NOTES:

- 1.) This Kit Will Mount on 1-1/2" To 5" Angle.
- 2.) This Kit Can Be Used To Secure Waveguide Ladder To Diagonal Or Horizontal Members.
- 3.) Steel Parts Indicated Above With An " * " Will Be Packed With The Hardware.

Dielectric
POWER OPERATIONS
PH# (812) 853-0595
FAX# (812) 853-6652
2855 HIGHWAY 20
REBURNING, IN. 47630

WAVEGUIDE ANGLE CLIP KIT

REV. NO. KCA20--50

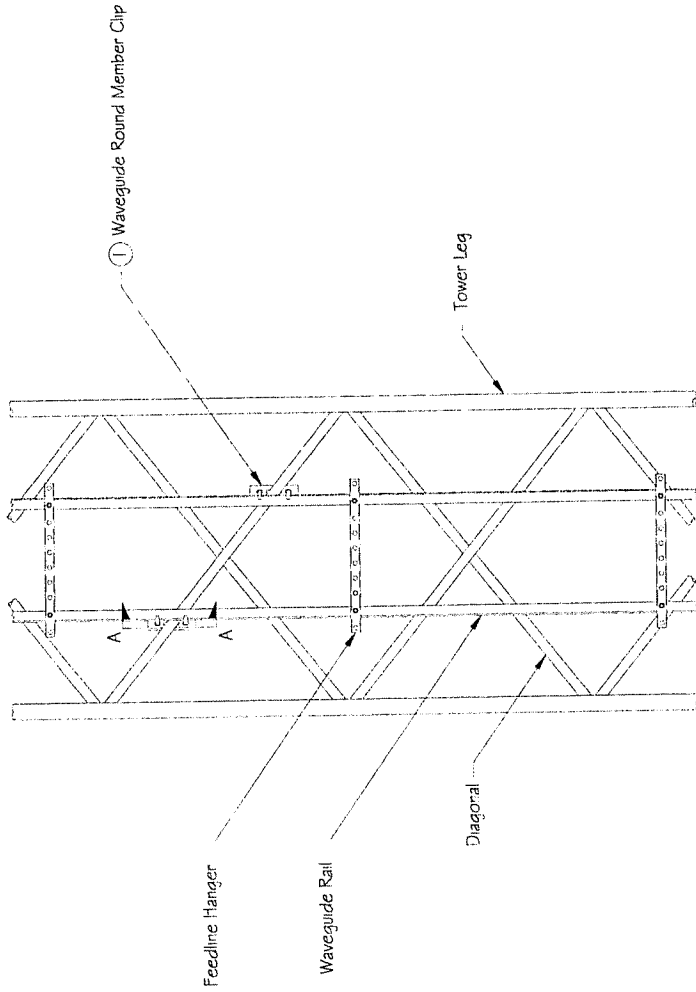
DO NOT SCALE DRAWING

REV. #	DESCRIPTION	DATE	APP.	DRAWN	CHECK	DATE	DATE	DATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
				JJB		4-10-01			

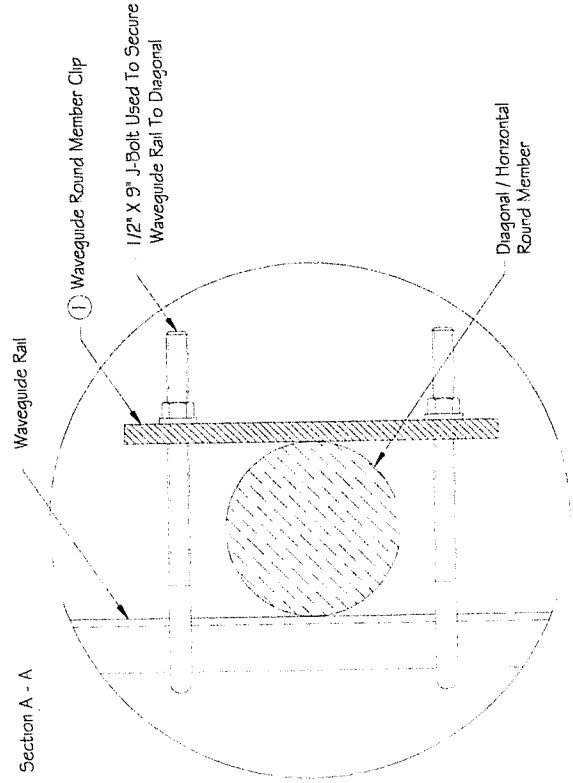
TOLERANCES
 .XX 3/32" ANGLE ± 2"
 .XX4 3/32" DRILLED HOLE ± #1/32"
 .XXX4 1/16" BURNED HOLE ± #1/16"
 SPT CORPORATION

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Typical Installation



Section A - A



STEEL PARTS

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	CS-62-45	Waveguide Round Member Clip	2

HARDWARE

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	VB750-900	1/2" x 9" H.D.G. V-Bolts	4
2	NJ50G	1/2" H.D.G. Nuts	4
3	W50G	1/2" H.D.G. Lockwashers	4
3	WF50G	1/2" H.D.G. Flatwashers	4

** Flatwashers Are To Be Used At All Slotted Hole Locations !! **

WEIGHT & ENGINEERING INFORMATION

KIT NO.	WEIGHT (lbs.)	DESCRIPTION	CaMc (Sq. Ft.)
KCR62-45	4.20	Waveguide Round Member Clip Kit	N/A

NOTES:

- 1.) This Kit Will Mount on 5/8" To 4-1/2" Round Member.
- 2.) This Kit Can Be Used To Secure Waveguide Ladder To Diagonal Or Horizontal Members.
- 3.) Steel Parts Indicated Above With An "A" Will Be Packed With The Hardware.

Dielectric
TOWER OPERATIONS

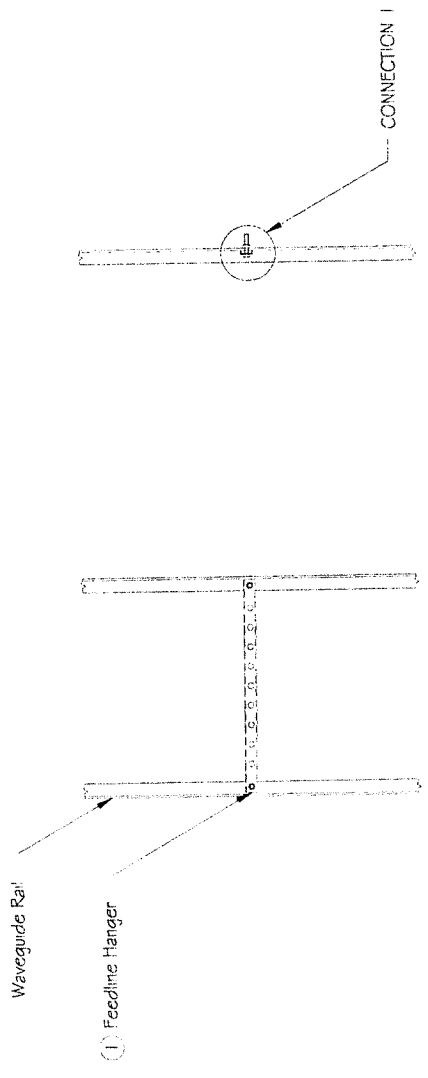
PH# (812) 853-0995
FAX# (812) 853-6652
2855 HIGHWAY 26
NEWBURGH, IN. 47650

TITLE
WAVEGUIDE ROUND MEMBER CLIP KIT

REV. NO.
KCR62--4.5

REV. #	DESCRIPTION	DATE	APP.	DRAWN	CHECK	APPROVAL	TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
		4-16-01		J.J.B.			±.0001 ±.0002 ±.0005 ±.0010 ±.0015 ±.0020 ±.0025 ±.0030 ±.0040 ±.0050 ±.0060 ±.0070 ±.0080 ±.0090 ±.0010 ±.0015 ±.0020 ±.0025 ±.0030 ±.0040 ±.0050 ±.0060 ±.0070 ±.0080 ±.0090	

Typical Installation



CONNECTION 1

3/8" x 1-1/2" H.D.G. Bolt Used To Secure Feedline Hanger To Waveguide Rail

KIT USE INFORMATION

- 1.) This Kit Is Per One Hanger Assembly Only. Waveguide Rail Is Not Included.
- 2.) Hanger Is Designed With 2-3/8" Spacing From C-C Of Each Hole To Accommodate 1/2" Through 1-5/8" Line.

STEEL PARTS

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	LA175	9 Snap-In Hanger	1

HARDWARE

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	BT37X150	3/8" x 1-1/2" H.D.G. Bolt	2
2	NU37G	3/8" H.D.G. Nuts	2
3	WL37G	3/8" H.D.G. Lockwashers	2

** Flatwashers Are To Be Used At All Slotted Hole Locations !! **

WEIGHT & ENGINEERING INFORMATION

KIT NO.	WEIGHT (lbs.)	DESCRIPTION	CaAc (Sq. Ft.)
4-KS-9S-I	4.31	Inside 9 Snap-In Hanger Kit	N/A

REV.	DESCRIPTION	DATE	APP.	DRAWN	DATE	DATE	DATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:	INCHES

Dielectric
TOWER OPERATIONS

PH# (812) 853-0595
FAX# (812) 853-8652
2000 W. BIRCHWOOD DR.
NEWBURGH, NY 12550

TITLE: **INSIDE 9 SNAP-IN HANGER KIT**

DWG. NO.: **HKS-9S-I**

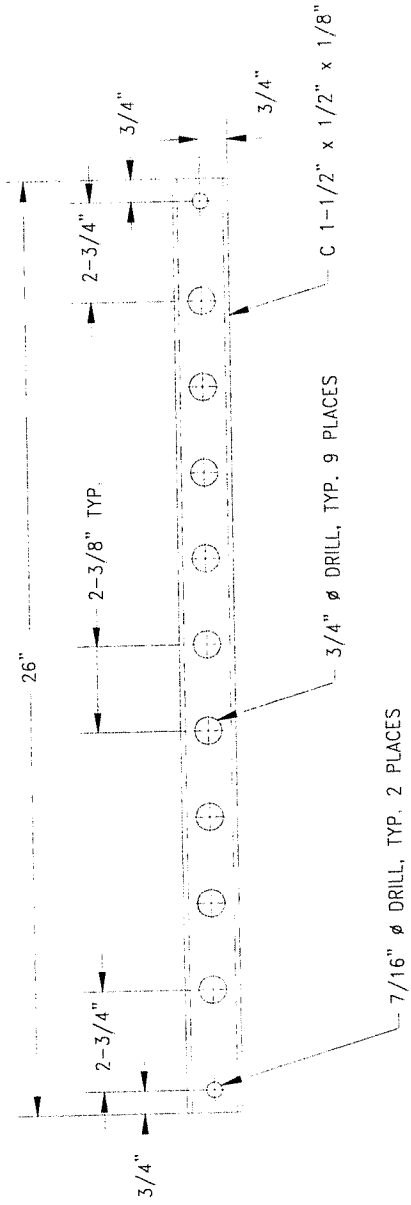
REV: **0**

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

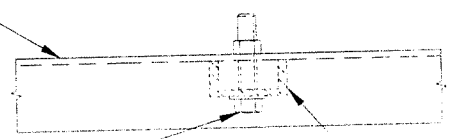
CONTOUR INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS TO BE USED SOLELY FOR THE PROJECT AND NOT TO BE DISCLOSED TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF SPA CORPORATION.

TOLERANCES
 .XX 3/32" ANGLE ±
 .XXX ± 1/16" BURNED HOLE ± #1/32"



3/8" H.D.G. BOLTS
(FLATWASHERS INCLUDED)

WAVEGUIDE RAIL



FEEDLINE HANGER

SPECIAL NOTE: TO BE USED FOR CLIP-ON STYLE WAVEGUIDE LADDER ONLY.

		P.H.# (812) 853-0595 FAX# (812) 853-6652 2855 HIGHWAY 261 NEWBURGH, IN. 47630	
TITLE INSIDE 9 SNAP-IN HANGER		DWG. NO. LA175	
DATE 2-11-02		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
DESCRIPTION WAVEGUIDE RAIL		TOLERANCES .XX ± .005 .XX ± .010 .XX ± .015 .XX ± .020 .XX ± .030 .XX ± .040 .XX ± .050 .XX ± .060 .XX ± .070 .XX ± .080 .XX ± .090 .XX ± .100 .XX ± .120 .XX ± .150 .XX ± .200 .XX ± .250 .XX ± .300 .XX ± .375 .XX ± .500 .XX ± .625 .XX ± .750 .XX ± 1.000 .XX ± 1.250 .XX ± 1.500 .XX ± 2.000 .XX ± 2.500 .XX ± 3.000 .XX ± 4.000 .XX ± 5.000 .XX ± 6.000 .XX ± 8.000 .XX ± 10.000	
REV. # 0		DO NOT SCALE DRAWING	

STEEL PARTS

REV. NO.	PART NO.	DESCRIPTION	QTY.
1*	5C-125575	Saddle Clamp For 1-1/4" - 5-3/4" Round Leg	6
2	BMFF-30H-36L	36" Boom	1
3	FF-30H-11L	11" Face Panel	1
4	ARFF-2472	Anti-Rot. Rod For 2' - 6" Tower Face	2
5*	ARP-FF-01	Anti-Rotation Rod Securing Plate	2

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	TR50X800	1/2" x 8" H.D.G. Threaded Rod	12
2	U55OX350	1/2" x 3-1/2" c-c x 4-3/4" Isl A-36 U-Bolts	4
3	U55OX250	1/2" x 2-1/2" c-c x 3-3/4" Isl A-36 U-Bolts	8
4	NU50G	1/2" H.D.G. Nuts	48
5	W50G	1/2" H.D.G. Lockwashers	48
6	WF50G	1/2" H.D.G. Flatwashers	32

HARDWARE

** Flatwashers Are To Be Used At All Slotted Hole Locations !! **

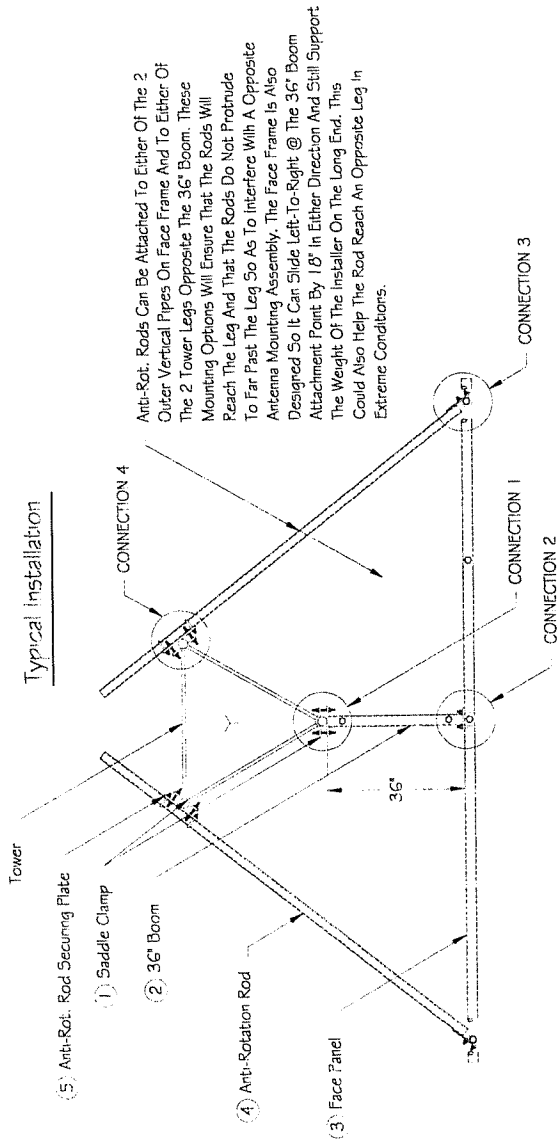
WEIGHT & ENGINEERING INFORMATION

KIT NO.	WEIGHT (lbs.)	DESCRIPTION	CaAc (Sq. Ft.)
USG13-3072-72B	N/A	11' Gate Mount	10.6

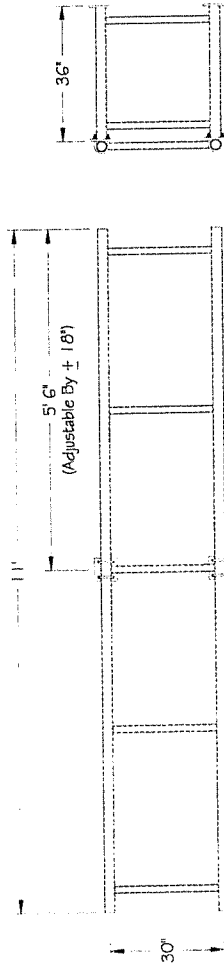
KIT USE INFORMATION

- 1.) This Kit Is Designed To Withstand The Loading From Four Panel Antennas @ 110 mph.
- 2.) Will Mount To Any Straight Section 2' - 6" Face With 1-1/4" Thru 5-3/4" Dia. Round Leg.
- 3.) Antenna Mounting Pipes Not Included!
- 4.) Steel Parts Indicated Above: With An "•" Will Be Packed With The Hardware.

Typical Installation

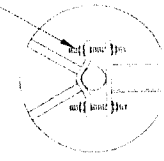


Anti-Rot. Rods Can Be Attached To Either Of The 2 Outer Vertical Pipes On Face Frame And To Either Of The 2 Tower Legs Opposite The 36" Boom. These Mounting Options Will Ensure That The Rods Will Reach The Leg And That The Rods Do Not Protrude To Far Past The Leg So As To Interfere With A Opposite Antenna Mounting Assembly. The Face Frame Is Also Designed So It Can Slide Left-To-Right @ The 36" Attachment Point By 18" In Either Direction And Still Support The Weight Of The Installer On The Long End. This Could Also Help The Rod Reach An Opposite Leg In Extreme Conditions.



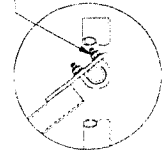
CONNECTION 1

1/2" x 8" H.D.G. Threaded Rod Used With Saddle Clamp To Secure 36" Boom To Tower Legs



CONNECTION 3

1/2" x 2-1/2" c-c x 3-3/4" Isl A36 U-Bolts Used To Secure Anti-Rotation Rods To Face Panel



CONNECTION 2

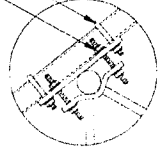
1/2" x 3-1/2" c-c x 4-3/4" Isl A36 U-Bolts Used To Secure Face Panel To 36" Boom



1/2" x 8" H.D.G. Threaded Rod Used With Saddle Clamp To Secure Anti-Rot. Rod Securing Plate Tower Legs

CONNECTION 4

1/2" x 2-1/2" c-c x 3-3/4" Isl A36 U-Bolts Used To Secure Anti-Rot. Rod To Securing Plate



REV. #	DESCRIPTION	DATE	APP.	CHK.	APPROVAL

TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:
.XX	3/32" ANGLES 7°
.XXX	3/32" DRILLED HOLES #1/32"
.XXX±	7/16" BURNED HOLES #1/16"

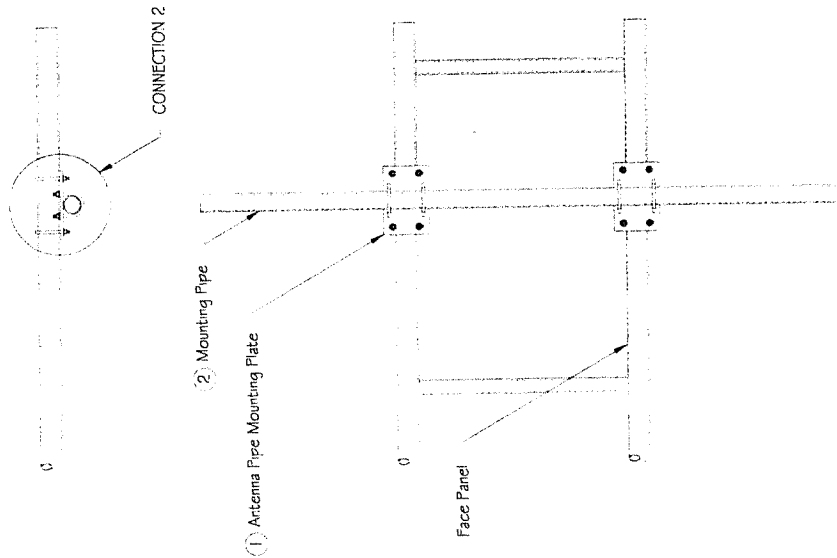
DATE	BY	CHK.	APPROVAL
10-21-04	J.J.B.		

REV	DESCRIPTION
1	UNIVERSAL 11' GATE MOUNT
2	USG11-2472

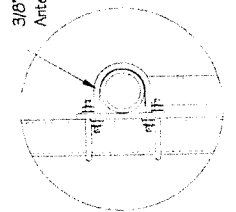
Dielectric
TOWER OPERATIONS
PH# (812) 853-0595
FAX# (812) 853-6652
NEWBURGH, IN. 47630

DO NOT SCALE DRAWING

Typical Installation

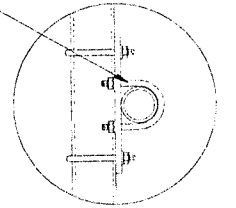


CONNECTION 1



3/8" x 3-1/2" c-c x 4-1/2" Isl A-36 U-Bolts Antenna Pipe Mounting Plate To Face Panel

CONNECTION 2



3/8" x 3" c-c x 4" Isl A36 U-Bolts Are Used To Secure Mounting Pipe To Antenna Pipe Mounting Plate

STEEL PARTS

REV. NO.	PART NO.	DESCRIPTION	QTY.
1	AMP-2-3-112	Antenna Pipe Mounting Plate	2
2	P2C40-84	2" Sch 40 x 84" Long Antenna mounting Pipe	1

HARDWARE

REV. NO.	PART NO.	DESCRIPTION	QTY.
1	UB37X350	3/8" x 3-1/2" c-c x 4-1/2" Isl A-36 U-Bolts	4
2	UB37X300	3/8" x 3" c-c x 4" Isl A-36 U-Bolts	4
3	NU37G	3/8" H.D.G. Nuts	16
4	WL37G	3/8" H.D.G. Lockwashers	16
5	WF37G	3/8" H.D.G. Flatwashers	16

** Flatwashers Are To Be Used At All Slotted Hole Locations !! **

WEIGHT & ENGINEERING INFORMATION

KIT NO.	WEIGHT (lbs.)	DESCRIPTION	CaAc (Sq. Ft.)
SP30-2084	39	2" Sch 40 x 84" Long Pipe	1.67

KIT USE INFORMATION

- 1.) This Kit Is Designed To Be Used With 2-1/2" Horizontal Pipe Mounting Panels.
- 2.) Steel Parts Indicated Above With An "A" Will Be Packed With The Hardware.

REV. #	DESCRIPTION	DATE	APP. DATE	DESIGN CHECK	DATE	DATE	DATE

TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:	INCHES
.XX ±	3/32" ANGLES ±	
.XXX ±	3/32" DRILLED HOLES ±	
.XXX ±	1/16" BURNED HOLES ±	

CONTRACTOR'S INFORMATION
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Dielectric
 A DIVISION OF DIELECTRIC CORPORATION
 TOWER OPERATIONS
 PH# (812) 853-0595
 FAX# (812) 853-6652
 2855 HIGHWAY 26
 HENRICH, IN. 47630

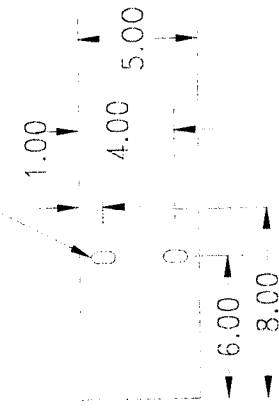
TITLE: STANDARD 2" SCH. 40 x 84" PIPE

DWG. NO.: SP30-2084

REV: --

DO NOT SCALE DRAWING

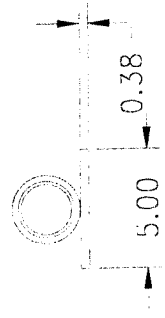
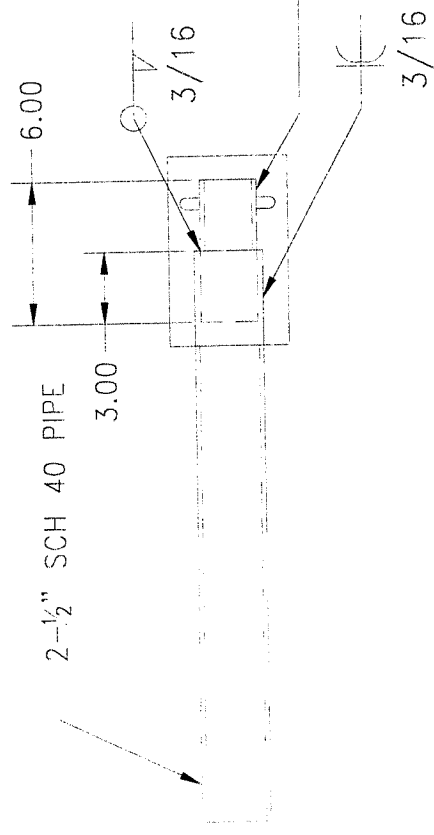
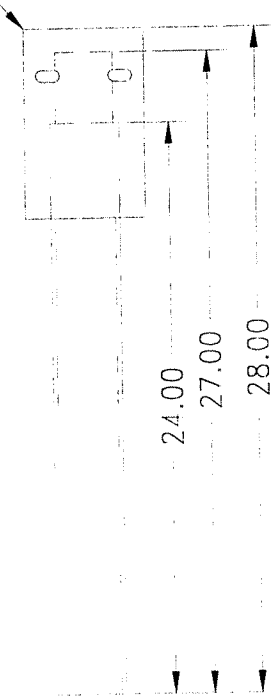
7/16" X 1" SLOT



DETAIL A

ASTM A36 (FY ≥ 36 ksi)

DETAIL A



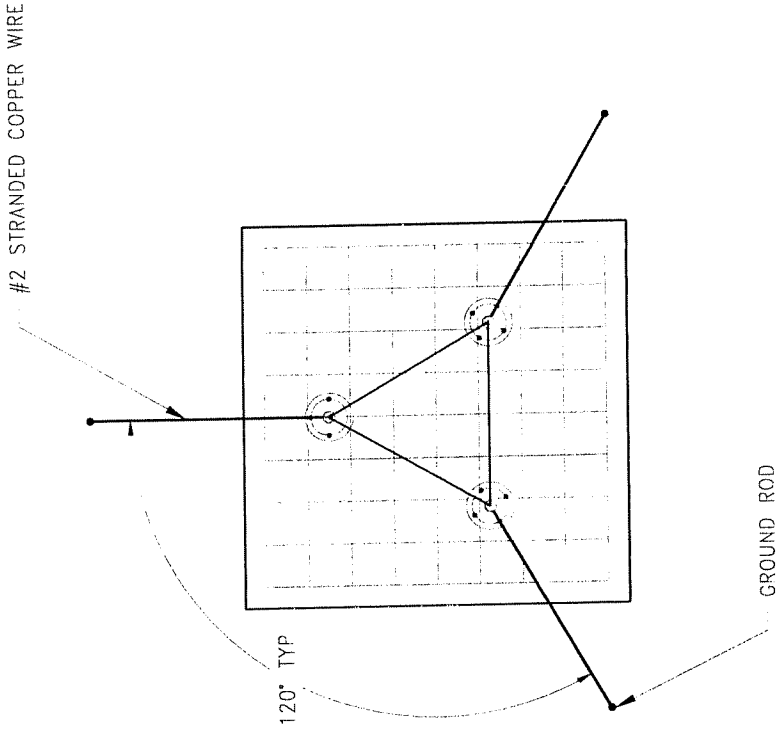
Dielectric
 TOWER OPERATIONS
 7000 W. STATE ST.
 NEWBURGH, IN. 47530
 PH# (812) 855-0895
 FAX# (812) 855-1852

REV. #	DESCRIPTION	DATE	APP.	DRAWN	CHECK	DATE	DATE	DATE	DATE
				J.R.S.		1-18-05			

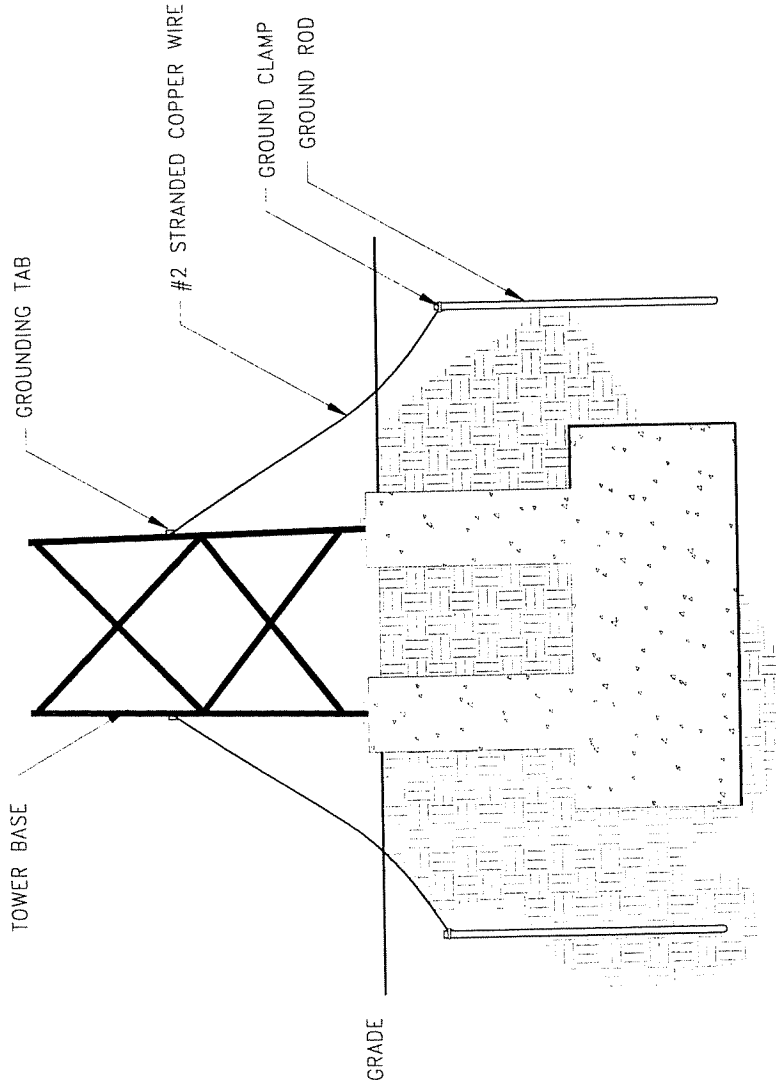
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES	TOLERANCES
.X± 3/32" ANGLES ± 2°	.X± 3/32" ANGLES ± 2°
.XX± 5/32" BUSHING HOLES ±1/32"	.XX± 5/32" BUSHING HOLES ±1/32"
.XXX± 7/16" BUSHING HOLES ±1/16"	.XXX± 7/16" BUSHING HOLES ±1/16"

TITLE: FACE FRAME EXTENSION
 DWG NO.: FFFX
 REV: -
 DO NOT SCALE DRAWING

TOP VIEW



SIDE VIEW



BASE GROUNDING DETAIL

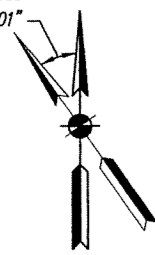
Dielectric
 Tower Operations
 P.O. Box 100
 Newburgh, IN 47630
 Tel: (812) 853-0595
 Fax: (812) 853-6652
 2855 Highway 261
 Newburgh, IN 47630

REV	DATE	DESCRIPTION

DATE	APP.	DRAWN	DATE	REV.
		A.J.H.	12-9-98	
		CHECK		
		APPROVAL		

TOLERANCES	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN:
X ± 1/32" ANGLES 7°	INCHES
XX ± 1/32" BURRED HOLES #1/32"	
XXX ± 1/16" BURRED HOLES #1/16"	
COMPANY CONFIDENTIAL INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DIELECTRIC CORPORATION	
TITLE SELF SUPPORTER STANDARD GROUNDING INSTALLATION	
DWG. NO.	REV.
STD-GRND-SS	—
DO NOT SCALE DRAWING	

True North
Grid North
00°33'01"



Site: Pulaski West Lease Boundary and Topographic Survey Pulaski County, Kentucky

Lease Boundary and Easement Description

A tract of land that is located adjacent to North Minton Road and about 5.2 miles northwesterly of the Town of Nancy in the western part of Pulaski County, Kentucky, being described as follows:

COMMENCING AT a 5-inch by 8-inch stone found exposed 3 inches on the boundary separating the lands of The Ertis Roy Revocable Living Trust, as described in Deed Book 593, Page 639, from the lands of Teresa Pyles and Lisa Pyles, as described in Deed Book 576, Page 403; both documents being on file in the office of the County Clerk of Pulaski County, Kentucky; said stone lies 39.0 feet westerly of the centerline of North Minton Road and has the following geodetic coordinates: a latitude of 37 degrees 05 minutes 45.6190 seconds north and a longitude of 84 degrees 50 minutes 35.0461 seconds west; thence, along the apparent boundary separating said lands, South 82 degrees 56 minutes 19 seconds East 196.62 feet; thence, leaving said apparent boundary, North 06 degrees 40 minutes 57 seconds West 65.32 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence South 83 degrees 19 minutes 03 seconds West 100.00 feet to a rebar set flush; thence North 06 degrees 40 minutes 57 seconds East 100.00 feet to a rebar set flush; thence North 83 degrees 19 minutes 03 seconds East 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to North Minton Road; said easement being described as follows: BEGINNING AT the southwest corner of the above-described 0.230-acre lease tract, which is monumented by a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386"; thence South 83 degrees 19 minutes 03 seconds West 40.00 feet to the east boundary of North Minton Road (15 feet from the centerline); thence, along said east boundary, North 06 degrees 40 minutes 57 seconds West 100.00 feet; thence, leaving said east boundary, North 83 degrees 19 minutes 03 seconds East 40.00 feet to the northwest corner of the above-described 0.230-acre lease tract; thence South 06 degrees 40 minutes 57 seconds East 100.00 feet to the point of beginning.

The bearing system of this description is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993), as determined by G.P.S. observations made on June 9, 2005 using the National Geodetic Survey monument "TARTAR 2 RM 4". This description is based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on August 2, 2005. Said survey is hereby referenced and made a part of this description.

SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to The Ertis Roy Revocable Living Trust on January 3, 1997 in Deed Book 593, page 639 in the office of the County Clerk of Pulaski County, Kentucky.

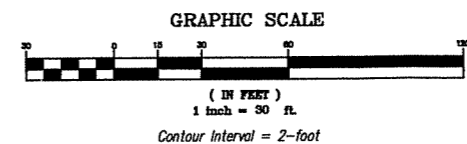
Surveyor's Certification

I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on June 9, 2005 by the method of a random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:53,100 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

Darren L. Helms
Darren L. Helms, P.L.S. 3386

August 2, 2005
Date

STATE OF KENTUCKY
DARREN L. HELMS
3386
LICENSED
PROFESSIONAL
LAND SURVEYOR



RSB Design
6403 Mercury Drive
Louisville, Kentucky 40291
(502) 231-3656

Landmark Surveying Co., Inc.
19 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0950
Encl. LandmarkContract
Project No. 05-09-0145



Lease Boundary Survey
1715 North Minton Road
Nancy, Kentucky 42544

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42702

REVISIONS	DATE

DATE 8-02-05
DRAWN BY D.L. Helms
CHECKED BY D.L. Helms

SHEET NO.
1
OF 1 SHEETS
FILE NO.
pulaski.dwg

Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on June 9, 2005 using the National Geodetic Survey monument "TARTAR 2 RM 4" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (1993). This system is grid north.

Tower Location Information

Designation: Pulaski West
Site ID#: None
Horizontal Datum: NAD 1983 (1993)
Latitude: 37°05'46.44" North
Longitude: 84°50'33.41" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,132.6 feet (345.2 meters)
State Plane Coordinates
Northing: 1,919,448.64 feet (585,049.12 meters)
Easting: 1,903,052.60 feet (580,661.19 meters)

Owner Information

Owner: Ertis Roy
Address: 3889 South Highway 837
Ingle, Kentucky 42544
Contact Person: Ertis Roy
Phone: (606) 871-7575
PVA Map No. 006-0-0-72

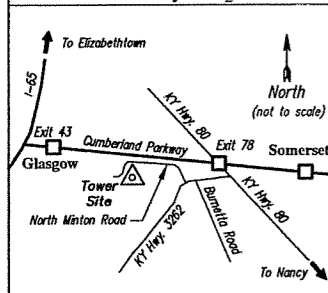
Project Bench Mark

Northing: 1,919,477 feet (585,058 meters)
Easting: 1,904,931 feet (580,624 meters)
Elevation: 1,116.60 feet (340.340 meters)
Description: A railroad spike in the south side of a 10' twin poplar, 1.0' above grade, that is approximately 124' northwesterly of the center of the proposed tower.

Flood Plain Statement

According to the Flood Insurance Rate Map for Pulaski County, Kentucky (Unincorporated Areas), Community Panel No. 210197 0175 B, dated July 16, 1990; the proposed site lies within Zone "X", which is defined as "areas determined to be outside the 500-year flood plain".

Vicinity Map



Directions to Site

From Elizabethtown, Kentucky; travel South on I-65 to Exit 43 and the Cumberland Parkway; take the Cumberland Parkway East about 78 miles to Exit 78 and Kentucky Highway 80 near Nancy, Kentucky; turn right onto Kentucky Highway 80 and travel southerly for 0.3 miles to Kentucky Highway 3262; turn right onto Kentucky Highway 3262 and travel westerly 1.1 miles to North Minton Road; turn right onto North Minton Road and travel westerly 1.7 miles to the site on the left side of the road in a wooded area.

Access & Utility Easement Area

The Ertis Roy Revocable Living Trust
Deed Book 593, Page 639

P.O.C. of Lease Tract

5" x 8" stone found exposed 3" on the boundary between The Ertis Roy Revocable Living Trust tract and the Teresa Pyles & Lisa Pyles tract.

Lease Tract 0.230 Acres or 10,000 Sq.Ft. No Zoning in Pulaski County

The Ertis Roy Revocable Living Trust
Deed Book 593, Page 639

Proposed Self-Support Tower

Lat. = 37°05'46.44" North (NAD 1983)
Lon. = 84°50'33.41" West (NAD 1983)
Ground Elev. = 1,132.6 ft or 345.2 m (NAVD 1988)

P.O.B. of Lease Tract

The Ertis Roy Revocable Living Trust
Deed Book 593, Page 639

P.O.B. of Access & Utility Easement Area

Teresa Pyles and Lisa Pyles
Deed Book 576, Page 403

Teresa Pyles and Lisa Pyles
Deed Book 576, Page 403

Surveyor's Notes

- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
- The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- There are no zoning or telecommunication tower ordinances in Pulaski County, Kentucky, according to the Pulaski County Judge Executive's office.

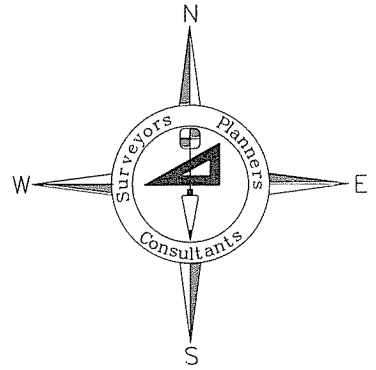
Legend

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- Stone Found as Noted
- + Calculated Position - No Monument Found or Set
- Subject Boundaries
- Other Boundaries
- Right of Way
- Telephone Pedestal
- WP □ Underground Telephone Witness Post
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set

Reduced Copy

Landmark Surveying Co., Inc.

Darren L. Helms, R.L.S., PRESIDENT
Dennis N. Helms, R.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
E-mail: landmark@dmrtc.net

Directions to the Site From the County Seat of Pulaski County, Kentucky

Pulaski West Site
Pulaski County, Kentucky

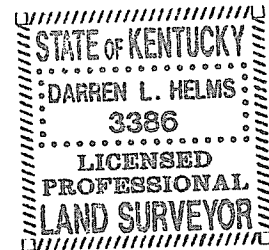
From the Pulaski County courthouse in Somerset, Kentucky: travel Northerly on Kentucky Highway 1247 for 0.7 miles to Kentucky Highway 80; turn left onto Kentucky Highway 80 and travel Westerly 0.7 miles to the Cumberland Parkway; continue West on the Cumberland Parkway for 10.3 miles to Exit 78 and Kentucky Highway 80; turn left onto Kentucky Highway 80 and travel Southerly for 0.3 miles to Kentucky Highway 3262; turn right onto Kentucky Highway 3262 and travel Westerly 1.1 miles to North Minton Road; turn right onto North Minton Road and travel Westerly 1.7 miles to the site on the left side of the road in a wooded area. The address of the site is 1715 North Minton Road, Nancy, Kentucky.

Darren L. Helms

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

JULY 6, 2005

Date



Site Name: Pulaski West

OPTION TO LEASE AND LEASE AGREEMENT

I.

OPTION TO LEASE REAL PROPERTY

THIS OPTION TO LEASE REAL PROPERTY (the “Option Agreement”) is made and entered into this 15 day of May, 2005, by and between **Ertis Roy Revocable Living Trust** whose address is **3889 South Hwy. 837, Ingle, Kentucky 42544** (the “Optionor (s)”) and Bluegrass Wireless LLC, a Kentucky limited liability company, with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the “Optionee”).

WITNESSETH:

WHEREAS, the Optionor(s) is the owner of certain real property located in **Pulaski** County, **Kentucky** as more particularly described on Exhibit A attached hereto and incorporated herein by reference (the “Property”); and

WHEREAS, the Optionor(s) wishes to grant to the Optionee, and the Optionee wishes to obtain from the Optionor(s), an option to lease the Property upon the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the foregoing premises and for other good and valuable consideration, the mutuality, receipt and sufficiency of which are hereby acknowledged, the parties hereto do agree as follows.

Site Name: Pulaski West

1. In consideration of **One Thousand Two Hundred Dollars and Zero Cents (\$1,200.00)** paid by the Optionee to the Optionor(s) (the "Option Consideration"), the receipt of which is hereby acknowledged by the Optionor(s), the Optionor(s) hereby grants to the Optionee an exclusive and irrevocable option to lease the Property (the "Option"), upon the terms and conditions hereinafter set forth, upon the exercise of the Option at any time before 4:00 p.m. prevailing time on May 19, 2006, as set forth in Paragraph 5 thereof.

2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.

3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.

4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.

M

Site Name: Pulaski West

5. If the Optionee elects to exercise the Option in accordance with the terms hereof, notice of such election shall be deemed sufficient if personally delivered or sent by registered or certified mail, return receipt requested, to the address of the Optionor(s) set forth in Paragraph 14 hereof.
6. The Optionor(s) agrees not to sell, lease or offer for sale or lease the Property during the term of this Option or any renewal or extension of the Option.
7. In the event the Optionee fails to exercise the Option as set forth herein (unless such failure is due to the discovery of a defect in the Property or other matter unsatisfactory to the Optionee), the Optionor(s) shall have the right to retain the Option Consideration.
8. The Optionee may assign this Option with written consent of the Optionor(s), which consent shall not be unreasonably withheld, and upon any assignment such assignee shall have all the rights, remedies and obligations as if it were the original Optionee hereunder. From and after any such assignment, the term "Optionee" shall refer to such assignee.
9. Each party hereto shall bear any and all of its own expenses in connection with the negotiation, execution or settlement of this Option.
10. Risk of loss with respect to the Property during the term of this Option and during the term of the lease shall be upon the Optionor(s). If, during the term of the Option, any portion of the Property shall be acquired by public authority under the right or threat

Site Name: Pulaski West

of eminent domain, the Optionee may, at its sole option, either (i) exercise the Option, and in such event, all sums received from the public authority by the Optionor(s) by reason of the taking of a portion of the Property shall reduce the rent due under the lease, or (ii) terminate this Option and thereupon the Optionor(s) shall be obligated to return to the Optionee the full amount of the Option Consideration previously paid to the Optionor(s) in "good and collected funds."

11. The parties hereto represent to each other that neither has engaged any broker to represent their interests in connection with the transactions contemplated hereby, and each agrees to indemnify the other against any and all claims made by any brokers engaged or purported to be engaged by the other for brokerage commissions or fees in connection with the transactions contemplated hereby.
12. The Optionor(s) represents, warrants and covenants to the Optionee that the Optionor(s) has not caused or permitted, and shall not cause or permit, and to the best of Optionor(s)' knowledge no other person has caused or permitted any hazardous material (as defined by any applicable federal, state or local law, rule or regulation) to be brought upon, placed, held, located or disposed of at the Property. In the event any such contamination ~~occurs~~ ^{has occurred} for which the Optionee becomes legally liable, the Optionor(s) shall indemnify the Optionee against all claims, damages, judgments, penalties and costs and expenses, including reasonable attorneys' fees, which Optionee may incur.
13. This Option Agreement and the rights and obligations of the parties hereto shall be construed in accordance with the laws of the Commonwealth of Kentucky.

Site Name: Pulaski West

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **3889 South Hwy. 837, Ingle, KY 42544**; the Optionee's address shall be **2902 Ring Road, Elizabethtown, KY 42701**.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of **Pulaski** County, **Kentucky**.

II.

LEASE AGREEMENT

16. In the event the Optionee elects to exercise the Option to lease the Property, the terms of the lease shall become immediately effective upon such exercise and shall be as follows.
 1. The term of the lease shall commence on the date that the Optionor(s) receives proper notice that the Optionee has exercised the Option, pursuant to Paragraph **5** therein. The initial term shall expire **five (5) year(s)** from the commencement date of the lease agreement and shall include **three (3) additional five (5)-year terms** per the lease agreement. Optionee may, by providing written notice at least sixty (60) days prior to the expiration of the original or any renewal lease term, elect to unilaterally terminate this lease at the end of any original or renewal lease term. Such notice must be personally delivered or sent via registered or certified mail, return receipt requested, to the address of the Optioner(s) set forth in Paragraph 14 hereof. The lease amount shall be adjusted at the end of each term by an increase of **12%**.

Site Name: Pulaski West

2. The Optionee shall pay to the Optionor(s) rent for the Property in the sum of **Six Thousand Dollars and Zero Cents (\$6,000.00)** yearly, to be paid in advance. All rent payments shall be personally delivered or mailed to the Optionor(s) at the address set forth in Paragraph 14 hereof. Any check payment of the rent due under the lease shall be payable to the order of Optionor(s).
3. The Optionee shall be entitled to use and occupy the Property for the purpose of erecting and maintaining a communications tower thereon and for such other uses as Optionee may deem necessary in connection therewith.
4. The Optionor(s) shall be responsible for the payment of all real estate taxes which shall be assessed against the Property during the term of the lease unless the property taxes are increased as a direct result of the placement of the tower on the property. In that case, the Optionee shall pay the additional property taxes that are incurred. The Optionee shall pay all charges for heat, water, gas, electricity, sewer use charges and any other utility used or consumed on the Property.
5. Optionee shall carry public liability insurance covering its use of the Facility with companies and in a form satisfactory to Optionor. The policy shall name Optionee as insured and shall name Optionor and its affiliates as an additional insured. The policy shall bear endorsements to the effect that the insurer agrees to notify Optionor not less than thirty (30) days in advance of any modification or cancellation thereof. At a minimum, Optionee and all parties accessing the Facility for or on behalf on Optionee shall obtain the

Site Name: Pulaski West

following insurance coverage: (i) Statutory Workers' Compensation including \$500,000 Employers' Liability; (ii) Comprehensive General Liability including personal injury, broad form property damage, independent contractor, XCU and products/completed operations with limits not less than \$2,000,000 per occurrence; (iii) Automobile Liability with limits not less than \$1,000,000 per occurrence; and, (iv) Fire and extended coverage insurance on all of Optionee's improvements at the Facility including all of Licensee's equipment and other personal property at the Facility. (Such insurance shall include an all-risk legal liability endorsement to cover property damage for which Optionee is responsible.)

~~Failure of Optionee to obtain or maintain the required insurance and submit such certification to Optionor shall constitute a material breach of this Agreement. Upon such breach, Optionor shall have the right to immediately terminate this Agreement and/or become entitled to all remedies provided herein.~~

AK
ER

6. The Optionee may assign the lease. The Optionee may sublet all or part of the space on the tower or ground space.
7. The Optionor(s) covenants that upon the Optionee's payment of the rent agreed upon herein, as well as Optionee's observing and performing all of the covenants and conditions contained in the lease, the Optionee may peacefully and quietly enjoy the Property subject to the terms and conditions set forth in the lease.

M

Site Name: Pulaski West

8. The Optionee agrees to maintain an access road in a passable manner for the term of the lease.

17. This Option and Lease Agreement contains the entire agreement between the parties hereto and no modification or amendment shall be binding upon any party unless made in writing and signed by each of the parties hereto.

18. Upon the termination of this lease agreement, Optionee shall have the right to remove any and all of its property (real or personal) from the Property regardless of whether or not such property may be considered a fixture thereto, this is to include the removal of the tower at the end of the lease agreement .

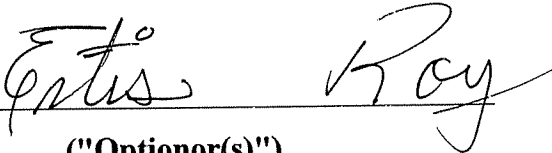
[Remainder of Page Intentionally Left Blank]



Site Name: Pulaski West

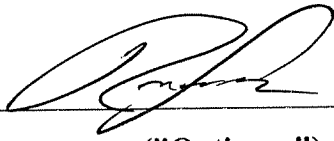
EXECUTION OF AGREEMENT(S)

IN TESTIMONY WHEREOF, witness the signatures of the Optionor(s) and the Optionee as of the date first above written, as proof that the parties enter into the **Option to Lease Real Property and the Lease Agreement** set out in **Sections I and II** hereof .



("Optionor(s)")

By:
Property Owner
Ertis Roy



("Optionee")

By: Ron Smith
Authorized Representative
Bluegrass Wireless LLC, a Kentucky limited
liability company

Site Name: Pulaski West

STATE OF Kentucky
COUNTY OF Hardin

The foregoing instrument was acknowledged before me this 16 day of May, 2005,
by ERT'S Roy to be his/her free act and deed.

[Signature]
NOTARY PUBLIC STATE AT LARGE
My commission expires: 1-17-06

STATE OF Kentucky
COUNTY OF Hardin

The foregoing instrument was acknowledged before me this 17 day of May,
2005, by Ron Smith, to be his/her free act and deed.

[Signature]
NOTARY PUBLIC STATE OF LARGE
My commission expires: 1-21-09

This instrument prepared by:

[Signature]
John E. Selent

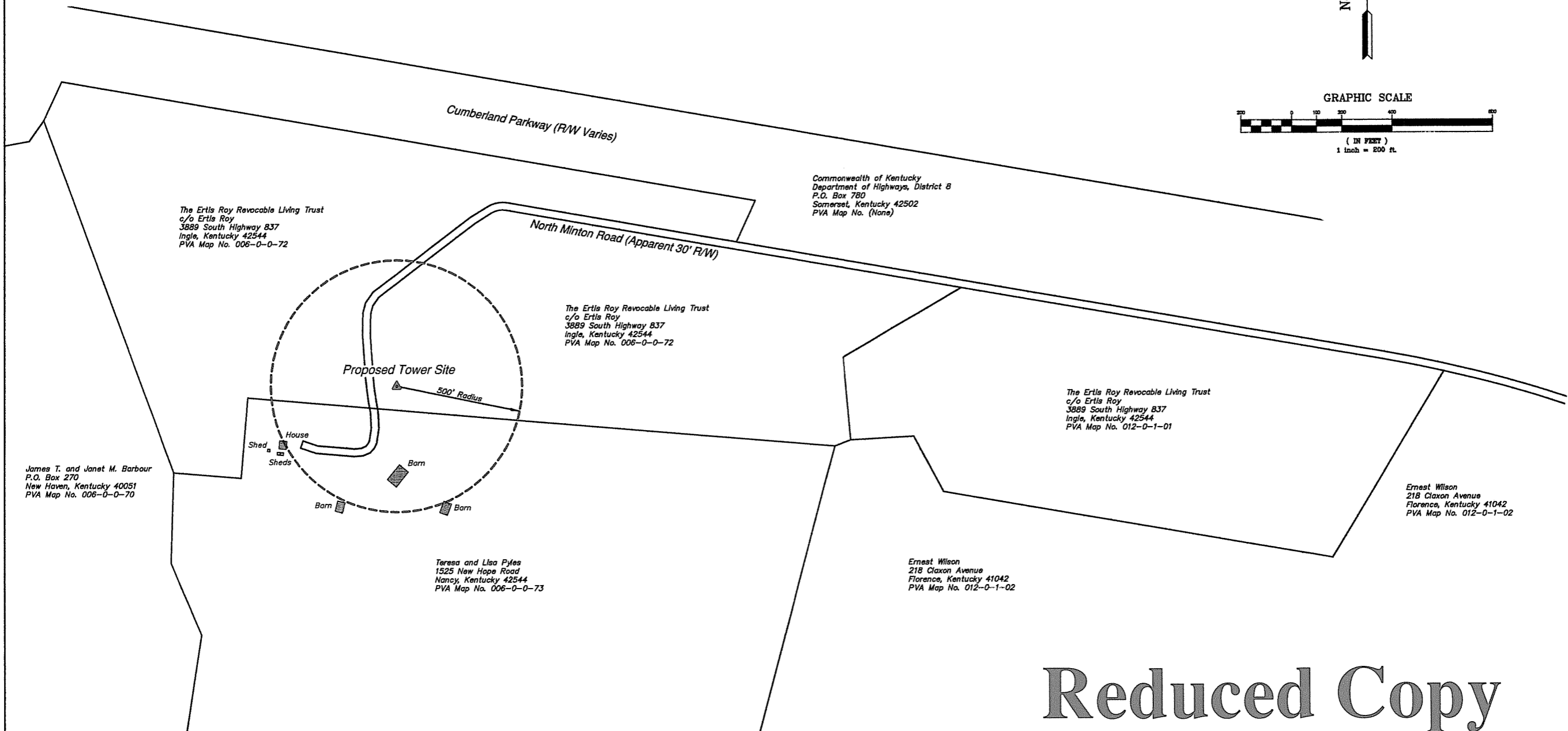
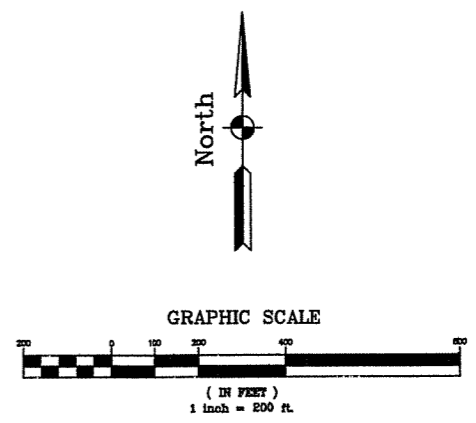
DINSMORE & SHOHL LLP

2000 Meidinger Tower

Louisville, KY 40202

(502) 585-2450

Site: Pulaski West
Pulaski County, Kentucky
500-Foot Radius Map
for Structures and Landowners
(Within 500 feet of the proposed tower)



The Ertis Roy Revocable Living Trust
c/o Ertis Roy
3889 South Highway 837
Ingle, Kentucky 42544
PVA Map No. 006-0-0-72

Commonwealth of Kentucky
Department of Highways, District 8
P.O. Box 780
Somerset, Kentucky 42502
PVA Map No. (None)

The Ertis Roy Revocable Living Trust
c/o Ertis Roy
3889 South Highway 837
Ingle, Kentucky 42544
PVA Map No. 006-0-0-72

The Ertis Roy Revocable Living Trust
c/o Ertis Roy
3889 South Highway 837
Ingle, Kentucky 42544
PVA Map No. 012-0-1-01

Ernest Wilson
218 Claxon Avenue
Florence, Kentucky 41042
PVA Map No. 012-0-1-02

Teresa and Lisa Pyles
1525 New Hope Road
Nancy, Kentucky 42544
PVA Map No. 006-0-0-73

Ernest Wilson
218 Claxon Avenue
Florence, Kentucky 41042
PVA Map No. 012-0-1-02

James T. and Janet M. Barbour
P.O. Box 270
New Haven, Kentucky 40051
PVA Map No. 006-0-0-70

Reduced Copy

Surveyor's Certification

I hereby certify that the information shown is correct to the best of my knowledge, and it is in accordance with the records found in the office of the Property Valuation Administrator of Pulaski County, Kentucky on June 9, 2005.

Darren L. Helms
Darren L. Helms, P.L.S. 3386

AUGUST 2, 2005
Date

STATE OF KENTUCKY
DARREN L. HELMS
3386
LICENSED
PROFESSIONAL
LAND SURVEYOR

Note

The location of the boundaries shown are approximate, and they are based upon the maps on file in the office of the Property Valuation Administrator of Pulaski County, Kentucky.

RSB Design
6403 Mercury Drive
Louisville, Kentucky 40291
(502) 231-3656

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0950
Email: landmark@landmark.net
Project No. 05-06-0145

500-Foot Radius Map
1715 North Minton Road
Nancy, Kentucky 42544

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42702

REVISIONS	DATE

DATE	8-02-05
DRAWN BY	D.L. Helms
CHECKED BY	D.L. Helms

SHEET NO.
1
OF 1 SHEETS

FILE NO.
500 radius.dwg

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**APPLICATION OF BLUEGRASS WIRELESS LLC
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC
CONVENIENCE AND NECESSITY TO CONSTRUCT
A CELL SITE (PULASKI WEST) IN RURAL SERVICE
AREA #6 (PULASKI) OF THE COMMONWEALTH OF
KENTUCKY**

CASE NO. 2005-00284

AFFIDAVIT OF JOHN E. SELENT

I, John E. Selent, being duly sworn, depose and state as follows:

1. My name is John E. Selent and I am a member of the Kentucky Bar Association. I am legal counsel to Bluegrass Wireless LLC and am submitting this affidavit in conjunction with the above referenced matter.

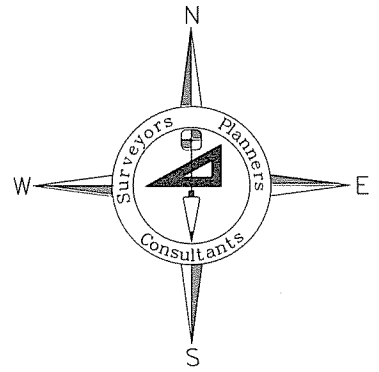
2. Pursuant to 807 KAR 5:063 §1(1)(l), the attached list containing the names of the residents/tenants and property owners within 500 feet of the proposed tower have been: (i) notified by written notice of the proposed construction, sufficient postage prepaid, by United States certified mail, return receipt requested; (ii) given the Commission docket number under which the application will be processed; and (iii) informed of the right to request intervention:

3. The addresses for James T. and Janet M. Barbour and the Commonwealth of Kentucky Department of Highways are P.O. Boxes and therefore cannot be served by U.S. Certified Mail, pursuant to 807 KAR 5:063 § 1(l) and (m).

4. For the reason set forth in paragraph 3, the written notices of the proposed construction for James T. and Janet M. Barbour and the Commonwealth of Kentucky Department of Highways were sent via U.S. Express Mail. The proof of service for each is attached hereto.

Landmark Surveying Co., Inc.

Darren L. Helms, R.L.S., PRESIDENT
Dennis N. Helms, R.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
E-mail: landmark@dmrtc.net

Landowner and Adjacent Landowner List

Pulaski West Site
Pulaski County, Kentucky

Ertis Roy Revocable Living Trust
c/o Ertis Roy
3889 South Highway 837
Ingle, KY 42544

James T. & Janet M. Barbour
P.O. Box 270
New Haven, KY 40051

Teresa & Lisa Pyles
1525 New Hope Road
Nancy, KY 42544

Ernest Wilson
218 Claxon Avenue
Florence, KY 41402

Commonwealth of Kentucky
Department of Highways, District 8
P.O. Box 780
Somerset, KY 42502

Darren L. Helms
Darren L. Helms, P.L.S. 3386

JULY 27, 2005
Date



PUBLIC NOTICE

TO: James T. & Janet M. Barbour
P.O. Box 270
New Haven, Kentucky 40051

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.



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[FAQs](#)

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Search Results

Label/Receipt Number: **ER28 9497 235U S**
Status: **Delivered**

Your item was delivered at 4:08 pm on August 31, 2005 in NEW HAVEN, KY 40051. The item was signed for by J BARBOUR.

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Enter Label/Receipt Number.

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Search Results

Label/Receipt Number: ER28 9497 235U S

Detailed Results:

- Delivered, August 31, 2005, 4:08 pm, NEW HAVEN, KY 40051
- Notice Left, August 31, 2005, 8:10 am, NEW HAVEN, KY 40051
- Arrival at Unit, August 31, 2005, 7:08 am, NEW HAVEN, KY 40051
- Enroute, August 30, 2005, 8:04 pm, LOUISVILLE, KY 40231
- Acceptance, August 30, 2005, 2:15 pm, LOUISVILLE, KY 40270

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Verify who signed for your item by email, fax, or mail. [Go >](#)



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PUBLIC NOTICE

TO: Commonwealth of Kentucky
Department of Highways
District 8
P.O. Box 780
Somerset, Kentucky 42502

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.

Track & Confirm

Search Results

Label/Receipt Number: **ER28 9497 244U S**
Status: **Delivered**

Your item was delivered at 12:50 pm on August 31, 2005 in SOMERSET, KY 42502. The item was signed for by J STAYTON.

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Verify who signed for your item by email, fax, or mail. [Go >](#)



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Track & Confirm

Search Results

Label/Receipt Number: ER28 9497 244U S
Detailed Results:

- Delivered, August 31, 2005, 12:50 pm, SOMERSET, KY 42502
- Notice Left, August 31, 2005, 5:18 am, SOMERSET, KY 42502
- Arrival at Unit, August 31, 2005, 4:25 am, SOMERSET, KY 42501
- Enroute, August 30, 2005, 8:04 pm, LOUISVILLE, KY 40231
- Acceptance, August 30, 2005, 2:14 pm, LOUISVILLE, KY 40270

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PUBLIC NOTICE

TO: Ernest Wilson
218 Claxon Avenue
Florence, Kentucky 41402

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>E. Wilson</i></p> <p>B. Received by (Printed Name) C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <p>Ernest Wilson 218 Claxon Avenue Florence, KY 41402</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7005-1160 0005 4137 4884</p> <p>USPS SEP 9 2005 FLORENCE KY</p> <p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>

PUBLIC NOTICE

TO: Teresa & Lisa Pyles
1525 New Hope Road
Nancy, Kentucky 42544

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>Teresa Pyles</i>
1. Article Addressed to: <i>Teresa & Lisa Pyles 1525 New Hope Rd Nancy, KY 42544</i>	B. Received by (Printed Name) <input type="checkbox"/> Agent <i>Teresa Pyles</i> C. Date of Delivery <input type="checkbox"/> Addressee <i>9/2/05</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
PS Form 3811, February 2004	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
Domestic Return Receipt	7005 1160 0005 4137 4877 102595-02-M-1540

PUBLIC NOTICE

TO: Ertis Roy Revocable Living Trust
C/O Ertis Roy
3889 South highway 837
Ingle, Kentucky 42544

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee <i>Ertis Roy</i></p> <p>B. Received by (Printed Name) <i>ERTIS ROY</i> C. Date of Delivery <i>15 Sept 05</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to: <i>Ertis Roy Revocable Living Trust Ertis Roy 3889 S. Highway 837 Ingle, KY 42544</i></p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7005 1160 0005 4137 4860</i></p>

PUBLIC NOTICE

TO: James T. & Janet M. Barbour
P.O. Box 270
New Haven, Kentucky 40051

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.



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Label/Receipt Number: ER28 9497 235U S
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Label/Receipt Number: ER28 9497 235U S

Detailed Results:

- Delivered, August 31, 2005, 4:08 pm, NEW HAVEN, KY 40051
- Notice Left, August 31, 2005, 8:10 am, NEW HAVEN, KY 40051
- Arrival at Unit, August 31, 2005, 7:08 am, NEW HAVEN, KY 40051
- Enroute, August 30, 2005, 8:04 pm, LOUISVILLE, KY 40231
- Acceptance, August 30, 2005, 2:15 pm, LOUISVILLE, KY 40270

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PUBLIC NOTICE

TO: Commonwealth of Kentucky
Department of Highways
District 8
P.O. Box 780
Somerset, Kentucky 42502

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.



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Label/Receipt Number: ER28 9497 244U S
Status: **Delivered**

Your item was delivered at 12:50 pm on August 31, 2005 in SOMERSET, KY 42502. The item was signed for by J STAYTON.

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Label/Receipt Number: ER28 9497 244U S

Detailed Results:

- Delivered, August 31, 2005, 12:50 pm, SOMERSET, KY 42502
- Notice Left, August 31, 2005, 5:18 am, SOMERSET, KY 42502
- Arrival at Unit, August 31, 2005, 4:25 am, SOMERSET, KY 42501
- Enroute, August 30, 2005, 8:04 pm, LOUISVILLE, KY 40231
- Acceptance, August 30, 2005, 2:14 pm, LOUISVILLE, KY 40270

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PUBLIC NOTICE

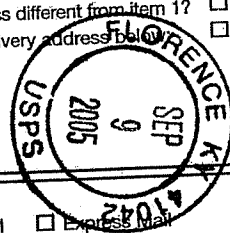
TO: Ernest Wilson
 218 Claxon Avenue
 Florence, Kentucky 41402

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
 Public Service Commission of Kentucky
 P.O. Box 615
 Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p><i>X Ernest Wilson</i></p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="font-size: 1.2em;">Ernest Wilson 218 claxon Avenue Florence, KY 41402</p>	
<p>2. Article Number (Transfer from service label)</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>PS Form 3811, February 2004</p>	<p style="font-size: 1.2em; text-align: center;">7005 1160 0005 4137 4884</p> <p style="text-align: center;">Domestic Return Receipt</p> <p style="text-align: right; font-size: 0.8em;">102595-02-M-1540</p>

PUBLIC NOTICE

TO: Teresa & Lisa Pyles
 1525 New Hope Road
 Nancy, Kentucky 42544

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
 Public Service Commission of Kentucky
 P.O. Box 615
 Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to:</p> <p style="font-size: 1.2em; margin-left: 20px;">Teresa & Lisa Pyles 1525 New Hope Rd. Nancy, KY 42544</p>	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X <i>Teresa Pyles</i></p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p style="margin-left: 20px;"><i>Teresa Pyles</i> <i>9/2/05</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label)</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7005 1160 0005 4137 4877</p>	

PUBLIC NOTICE

TO: Ertis Roy Revocable Living Trust
 C/O Ertis Roy
 3889 South highway 837
 Ingle, Kentucky 42544

Bluegrass Wireless LLC, is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity for construction and operation as a new cell facility to provide cellular radio service. The facility would include a 240 foot tower to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location is attached. This notice is being sent to you because you either own property and/or reside on property that is located within a 500 ft. radius of the proposed tower or you own property contiguous to the property where the proposed tower will be located.

The Commission invites your comments regarding the utilities' proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
 Public Service Commission of Kentucky
 P.O. Box 615
 Frankfort, Kentucky 40602**

Please refer to case number 2005-00284 in your correspondence.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to: Ertis Roy Revocable Living Trust Ertis Roy 3889 S. Highway 837 Ingle, KY 42544</p>	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee X <u>Ertis Roy</u></p> <p>B. Received by (Printed Name) C. Date of Delivery <u>ERTIS ROY</u> <u>12/20/05</u></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label)</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7005 1160 0005 4137 4860</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

COPY

Dinsmore & Shohl LLP
ATTORNEYS

Kerry W. Ingle
(502) 540-2354 (Direct Dial)
kerry.ingle@dinslaw.com

September 2, 2005

Via Certified Mail

Honorable Darrell BeShears
Pulaski County Judge Executive
Courthouse
100 North Main Street
Somerset, Kentucky 42501

RE: Public Notice - Public Service Commission of Kentucky
Case No. 2005-00284

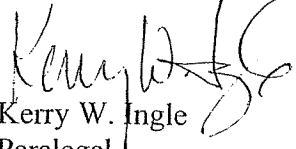
Bluegrass Wireless LLC is applying to the Public Service Commission of Kentucky (the Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area (RSA) #6 in Pulaski County. The facility will include a 240 ft. tower and an equipment shelter to be located at 1715 North Minton Road, Nancy, Kentucky, 42544. A map showing the location of the proposed new facility is enclosed.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter.

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2005-00284 in your correspondence.

Very truly yours,

DINSMORE & SHOHL, LLP


Kerry W. Ingle
Paralegal

enclosure

KWI

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Honorable Darrell BeShears
Pulaski County Judge Executive
100 N. Main St.
Somerset, KY 42501

2. Article Number
(Transfer from service label)

7004 2510 0002 1019 5214

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Lisa Childers Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
Lisa Childers 8/2/08

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

PUBLIC NOTICE

Bluegrass Wireless LLC
proposes to
construct a cellular
comm

TOWER

on this site. If you have any
questions please contact:

Bluegrass Wireless LLC
P.O. Box 5012
2802 Ring Road
Elizabethtown, KY 42701

or
Executive Director,
The Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to P.S.C.
Case #2005-00284

PUBLIC NOTICE

Bluegrass Wireless LLC
prop
construct a cellular
communications

TOWER

near this site. If you have any
questions please contact:

Bluegrass Wireless LLC
P.O. Box 5012
2802 Ring Road
Elizabethtown, KY 42701

or
Executive Director,
The Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

Please refer to P.S.C.
Case #2005-00284
in your correspondence.

AFFIDAVIT OF PUBLICATION

I, Jessica Mullins
of the Commonwealth Journal, a legal
newspaper holding a second-class mailing
permit, published daily except Saturdays in
Somerset, county of Pulaski, Commonwealth of
Kentucky, do swear and subscribe that the
attached proof of publication of a

legal notice, as required and prescribed by
KRS

paid advertisement

was published in said newspaper in the issue

of July 27 and 31

for which the sum of \$ 120.00
is due and payable.

Signed: Jessica Mullins

Title: Classified Ad Manager

Subscribed and sworn to before me, a notary
public for the County of Pulaski,
Commonwealth of Kentucky, this 5
day of August, 19 2005.

Brenda Wackmy

My commission expires August 19, 2006

(SEAL)

finder, ect all for \$7,500,
679-5018

740 Auto Parts &
Accessories



Hinged Tonneau Bed cover. Solid white, heavy duty gas struts for one handed opening/closing. Almost brand new, no scratches or dents. Asking \$300. Cell-310-3714 or 310-3902 Home after 6pm: 606-376-4317

750 Motorcycles

2004 Bombardier

Baja VS 650 4-wheeler, \$4000 OBO. Call 561-4962.

Yamaha Street Bike

2002 Yamaha Street Bike. 998 C.C. Inline four, excellent condition. 7800 miles, Yoshimura Pipe Dynajet Kit, KN Filter, speed screen, new tires. \$6500. 606-305-1072.

1999 Harley Fat Boy

Street stalker kit, custom paint, screening eagle ignition & exhaust, crane cam, custom wheels, much chrome, super sharp, \$12,900, 561-0104 or 2198654

1984 Harley Davidson

Low Fider, very nice, low miles on rebuilt motor, \$7500 obo, Must Sell, 677-1699 or 219-5812

2005 Honda VTX.

1300 C, black, custom seat, detachable slissy bar. 1700 miles, paid \$10,700, must sell \$8700. (270)343-2434

2003 RM 250

Dirt bike. Lots of new parts, excellent condition. \$3000 OBO. Call 875-1337.

I Found it!!!



606-679-2487

cleaning. Have ref. 382-5117

PUBLIC HEARING NOTICE

Pulaski County Fiscal Court has been petitioned to close 151 feet and cul-de-sac of Cold Springs Court. A public hearing will be held in the Pulaski County Fiscal Courtroom, Pulaski County Courthouse, on Thursday, August 8, 2005, at 10:00 a.m.

Darrell BeShears
Pulaski County Judge/Executive

NOTICE

Bluegrass Wireless LLC is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #6 of the Commonwealth of Kentucky (Elrod Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 2508 Old Mount Vernon Road, Somerset, Kentucky 42503. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2005-00283 in your correspondence.

NOTICE

Bluegrass Wireless LLC is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #6 of the Commonwealth of Kentucky (Pulaski West Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 1715 North Minton Road, Nancy, Kentucky 42544. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2005-00284 in your correspondence.

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- Hardwood
- One Owner
- Central Heat
- Partially Fin
- Basement
- Garden
- City Water
- Mini-Farm

Offer

LEGAL NOTICE

In accordance with Chapter 424 of the Kentucky Statutes the Lake Cumberland Development District is supplying the following information. The following supporting documents may be found at 2384 Lakeway Drive, Springs, KY.

- Executive Director
Stuart Carman
P.O. Box 1570
Russell Springs, KY 42642
- Chairman
Alan Chapman
200 Murphy Subdivision
Stearns, KY 42647
- Hon. Ronald Wright Judge-E
Vice Chairman
P.O. Box 306
Liberty, KY 42539
- Hon. June McGaha, Mayor
Secretary
P.O. Box 587
Jamestown, KY 42629
- Hon. Donnie McWhorther,
Judge-Executive
Treasurer,
Clinton County Courthouse
Albany, KY 42602
- Hon. Jerry Vaughn
Adair County Judge-Executive
Adair County Courthouse,
424 Public Square
Columbia, KY 42728
- Mr. Terry Moore
P.O. Box 400

Bids will be accepted until Aug. 10, 2005, 4:30 p.m. Bid forms may be picked up at the office and the vehicle inspected starting July 25, 2005, from 8:30-4:30 at the above address.

- One 1995 Toyota Truck. VIN #4TARN81A7RZ312254.

NOTICE

Bluegrass Wireless LLC is applying to the Public Service Commission of Kentucky for a Certificate of Public Convenience and Necessity to construct and operate a new facility to provide cellular radio telecommunications service in rural service area #6 of the Commonwealth of Kentucky (Pulaski West Cell Site). The facility is a 240-foot tower and an equipment shelter to be located at 1715 North Minton Road, Nancy, Kentucky 42544. Your comments and requests for intervention should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2005-00284 in your correspondence.

Legal Notice

Due to the proposed construction of the I-66-U.S. 27 Interchange, project officially designated as Pulaski County, Item No. 08-59.40 FD52 C100 67808 01R, the Commonwealth of Kentucky, Transportation Cabinet, Department of Highways has deemed it necessary to relocate one (1) unidentified grave located about one half-mile past the Pleasant Hill Baptist Church, more fully described as follows:

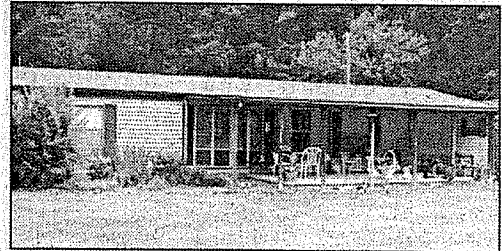
The unidentified grave is said to be a man who supposedly was from West Somerset. The man died from homicide around 75 years ago. The man's last name supposedly was (Hughes). He is buried in an unmarked grave. The location of the grave is as follows: Start at the intersection of the Louie Nunn Parkway and Ky. 80. And go 1 mile north on U.S. 27 to Clifty Road and turn left. Then go two miles and the grave is approximately 100 ft. off the left side of Clifty Road. This is across from Fisher Drive.

The Department of Highways requests information from anyone having knowledge of the identity of the deceased and next-of-kin in order for the grave to be relocated.

PLEASE CONTACT:

Kentucky Department of Highways
 Todd Furlong
 Right-of-Way Agent
 P.O. Box 780
 Somerset, Kentucky 42502
 (606) 677-4017 EXT. 256
 FAX: (606) 677-4013

Due to health reasons Mrs. Parks is moving. sell this doublewide, garage & lot, antiques, c



The pictured doublewide home is a vinyl sided 1988 bath, kitchen, dining room and family room and h about 3 years old plus a front porch. Situated on a and further improved with a detached 2 car garage.

ANTIQUES/FURNITURE/GLASSWARE, MORE: sq small oak buffet with ball & claw feet * cedar corner cu inet w/metal top * 5 pc oval dinette set * wood kitchen reproduction secretary * 5 shelf whatnot w/glass shelve shelf * antique oak recliner w/claw feet, velvet uphol table w/glass top * unusual antique barber cabinet * e stand * Victorian style antique sofa * oak bow front chin hall table * small bamboo table w/glass top * oak dres 2 square metal trunks * antique oak chest of drawers * antique oak high back bed * oak dresser w/beveled chest of drawers * old metal wash stand * Piano stool antique oak bed * stagecoach clock * leatherback en Testament - very unusual * Presidential Decanter * Vi floor lamp w/clock * Lincoln converted lamp w/floral c w/fluted satin globes * Germany plates, relish dishes pitcher w/lid * 7 pc. Bavaria chocolate set * red Fenton Fenton basket * Wedgewood china * Hull vases and pink depression platter * Bicentennial Liberty blue chir tea pot w/cups & saucers * white granite cup w/spou service for 8 plus additional pieces including tea pot, p brass candle sticks * cobalt blue Shirley Temple style pi Japan pieces * several pieces cranberry * small carniva * old tulip pattern pitcher * old tulip pattern bowl * vineg compote * large floral platter - Depose France * carniva nail pieces * small satin glass compote * green depre: syrup jar * 8 pc Currier * lves cake set * blue carn Washington cup & saucer & salt & pepper * pink opales , pressed and blown glass * cut glass punch bowl se granite * antique canister w/aluminum lid * coffee grind * antique sewing basket * cast iron train set * Dressell shadow box * kerosene lamps * crock jugs of all desc * sugar/coffee bucket - Reynolds- Brodhead, KY * 4 qu quilted quilts * two freezers * garden tiller * and an ass



DOLLS: We will be Shirley Temple * Fay German * Effanbee * Horseman * Boydis E
PRINTS: framed Vit framed Oliver print "E print "Eastern Tiger" Oliver print "Monarch" "Memories of Old", - Old Homestead," and Finnell print "Our Pow Boy prints

* The dolls will se

** There will be 2 auction ring

AUCTIONEERIS NOTE: Here is your opportunity to purchase a also be offering a large assortment of antique furniture, gla **ABSOLUTE AUCTION** on Saturday, July 30th at 10:00 a.m. **Auctioneer/Broker/Seller Disclaimer:** The information containe eris knowledge. The information is being furnished for the bit determine the information contained herein is accurate and co warranties expressed or implied.

TERMS: Real Estate: 20% down day of the auction, balance d VISA/Mastercard in full day of the auction

Announcements day of sale take For additional information or plat

FORD BROTHEL AUCTIONEERS-REAL

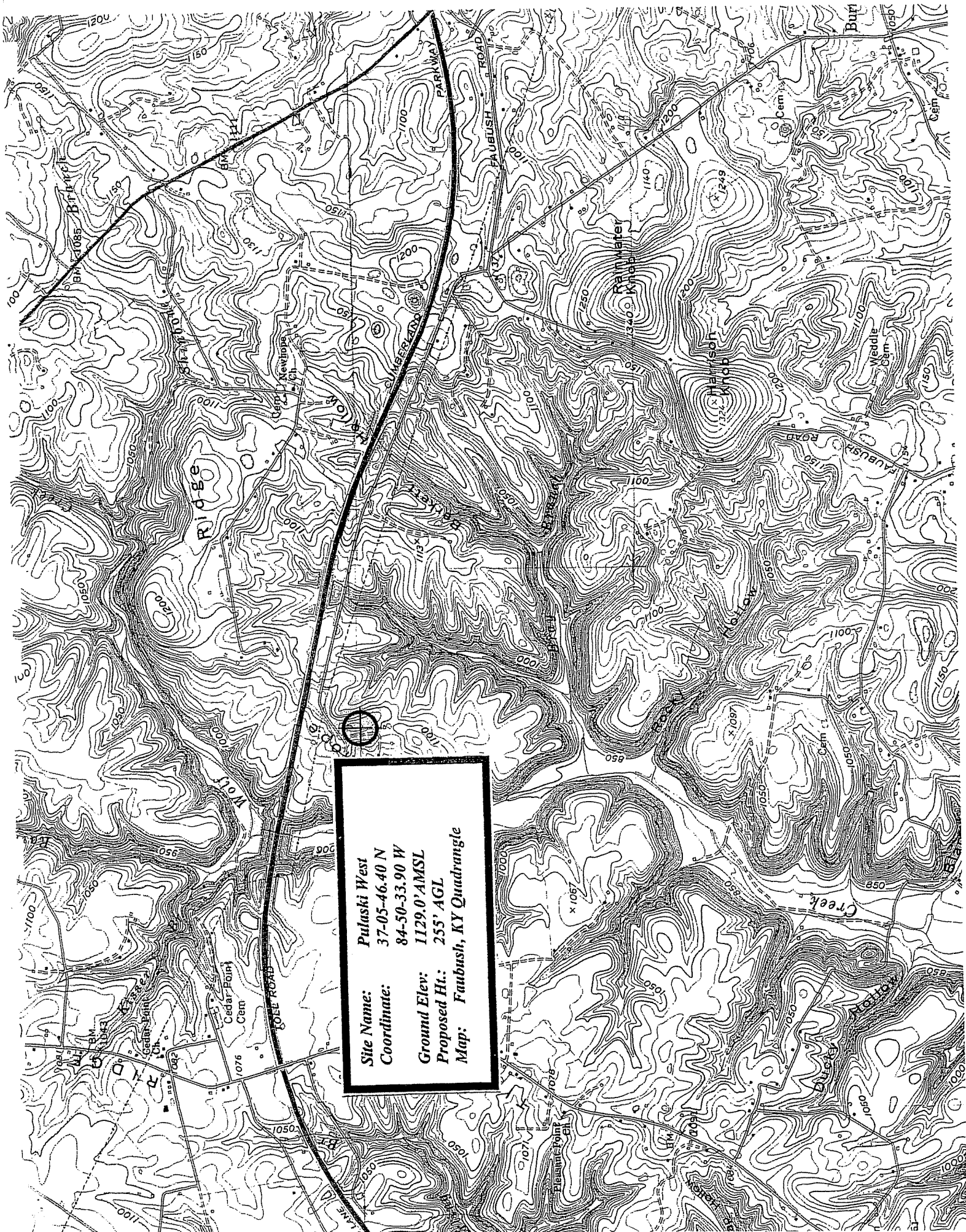


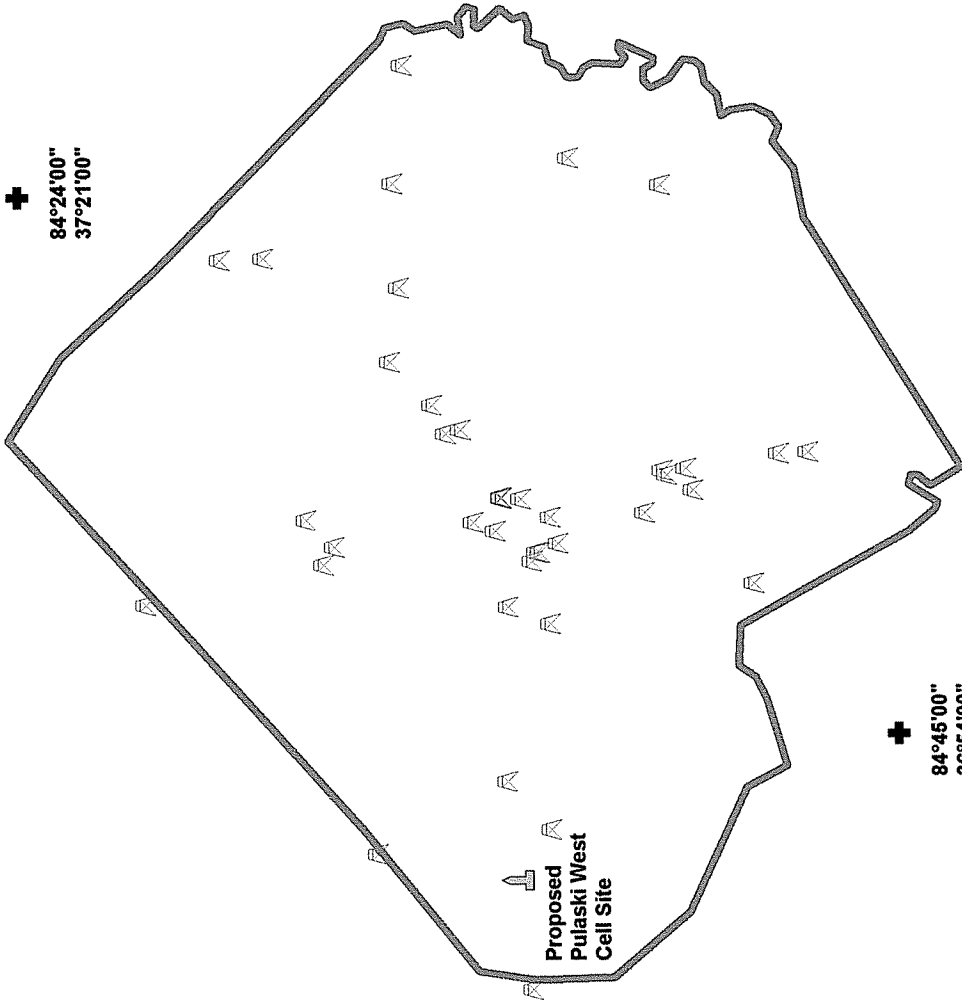
London, KY
 606-878-7111







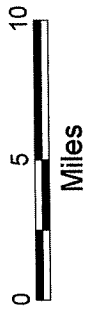
Somerset, Ky.
 606-679-2212 1-800-526-943

Site Name: Pulaski West
Coordinate: 37-05-46.40 N
84-50-33.90 W
Ground Elev: 1129.0 AMSL
Proposed Ht.: 255' AGL
Map: Faubush, KY Quadrangle





 Pulaski County Boundary
 Wireless Tower Locations Registered with the FCC
 Proposed Tower
 Tick Marks



Prepared By: LINGS Engineering 07.12.2005

**Information on Towers Registered with the FCC
in Pulaski County and 1/2 Mile Area Outside of the County Boundary**

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1044043	37-10-03 N	84-49-30 W	MINTONVILLE, KY	KENTUCKY AUTHORITY FOR EDUCATIONAL TELEVISION DBA = WKSO TV
1018905	37-14-47.9 N	84-26-28.5 W	SOMERSET, KY	Global Tower, LLC
1035924	37-05-00 N	84-37-52 W	SOMERSET, KY	NORFOLK SOUTHERN CORPORATION
1042206	37-08-17 N	84-32-08 W	SOMERSET, KY	Global Tower, LLC
1042811	37-05-06 N	84-37-52 W	SOMERSET, KY	Sprintcom, Inc.
1043118	37-04-41 N	84-40-39 W	SOMERSET, KY	First Radio Inc
1043456	37-04-03 N	84-22-37 W	MT VICTORY, KY	Fridley , John D
1043625	37-06-10 N	84-35-45 W	SOMERSET, KY	CELLULAR PHONE OF KENTUCKY DBA = RAMCELL
1043628	36-58-25 N	84-39-09 W	BURNSIDE, KY	CELLULAR PHONE OF KENTUCKY, INC. DBA = RAMCELL
1043674	37-07-03 N	84-36-42 W	SOMERSET, KY	Capstar Radio Operating Company
1043675	37-09-16 N	84-27-35 W	SHOPVILLE/STAB, KY	Capstar Radio Operating Company
1043676	37-01-46.6 N	84-36-22.9 W	BURNSIDE, KY	Capstar Radio Operating Company
1043677	36-57-38 N	84-34-07 W	TATEVILLE, KY	Capstar Radio Operating Company
1043977	37-01-05 N	84-34-54 W	BURNSIDE, KY	C&C TOWER RENTAL,LLC
1043979	37-06-12 N	84-35-43 W	SOMERSET, KY	Falcon Community Cable, LP, a Delaware Limited Partnership
1044514	37-00-30 N	84-34-40 W	BURNSIDE, KY	EAST KENTUCKY POWER COOPERATIVE, INC
1044771	37-05-15 N	84-38-14 W	SOMERSET, KY	CUMBERLAND COMMUNICATIONS INC DBA = WTLO RADIO
1044797	37-01-13 N	84-23-41 W	MOUNT VICTORY, KY	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM
1047763	37-17-09.6 N	84-39-48.6 W	EUBANKS, KY	Global Tower, LLC
1047989	37-06-10 N	84-35-45 W	SOMERSET, KY	DEAL, DOUG
1051877	37-07-52 N	84-33-15 W	SOMERSET, KY	Somerset Educational Broadcasting Foundation
1203424	37-04-42.3 N	84-48-36.8 W	Nancy, KY	Global Tower, LLC
1204492	37-06-22.2 N	84-37-02.7 W	Somerset, KY	Epperson Air Conditioning & Heating
1208691	37-04-40.4 N	84-36-30.8 W	SOMERSET, KY	Norfolk Southern Railway Company
1219832	37-05-35.3 N	84-35-47.8 W	Somerset, KY	Commonwealth of Kentucky
1229865	37-09-08.3 N	84-18-58.5 W	Somerset, KY	Global Tower LLC
1229869	37-11-39.7 N	84-38-18.2 W	Science Hill, KY	Global Tower LLC
1230075	37-12-11.1 N	84-36-34.1 W	Science Hill, KY	American Tower through UNISite, Inc.
1230266	37-09-26.4 N	84-23-34.2 W	Somerset, KY	Global Tower LLC
1230432	37-09-33.8 N	84-30-27.8 W	SOMERSET, KY	C&C TOWER RENTAL LLC
1230577	37-04-26.3 N	84-37-31.2 W	Somerset, KY	SBA Properties, Inc.
1231891	37-05-59.8 N	84-39-58.6 W	SOMERSET, KY	HEMPHILL CORPORATION
1231893	37-07-24.5 N	84-33-06.1 W	SOMERSET, KY	HEMPHILL CORPORATION
1232264	37-05-19.7 N	84-54-47.3 W	RUSSELL SPRINGS, KY	HEMPHILL CORPORATION
1232544	37-06-03.7 N	84-46-43.5 W	NANCY, KY	HEMPHILL CORPORATION
1232562	37-13-27.2 N	84-26-25.3 W	SOMERSET, KY	HEMPHILL CORPORATION
1232715	36-56-43.9 N	84-34-04.5 W	BURNSIDE, KY	HEMPHILL CORPORATION

**Information on Towers Registered with the FCC
in Pulaski County and 1/2 Mile Area Outside of the County Boundary**

FCC Tower Reg. No.	North Latitude	West Longitude	City, State	Tower Owner
1234158	37-00-16.3 N	84-35-30.8 W	Burnside, KY	East Kentucky Power Cooperative, Inc.
1234225	37-01-12.7 N	84-34-43.7 W	SOMERSET, KY	C&C TOWER RENTAL,LLC
1235212	37-06-12 N	84-35-46 W	Somerseset, KY	Global Tower, LLC
1237226	37-11-19.3 N	84-37-36.3 W	Science Hill, KY	East Kentucky Power Cooperative, Inc.
1247464	37-06-03.7 N	84-46-43.5 W	Nancy, KY	Hemphill Corporation
1247918	37-07-24.6 N	84-33-06.1 W	Somerseset, KY	Hemphill Corporation