FOR THE PUBLIC RECORD

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

APPLICATION OF SHARED SITES, LLC.)
AND AMERICAN CELLULAR CORPORATION)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVIENENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY AT)
1602 CONNECTOR ROAD)
EWING, KENTUCKY 41039)
IN THE WIRELESS COMMUNICATIONS LICENSE AREA)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF FLEMING)

Case 2006-00106

SITE NAME: JOHNSON CREEK
SITE NUMBER:

* * * * * * *

Shared Sites, LLC. As ultimate owner, and American Cellular Corporation, as a licensed public utility in the commonwealth of Kentucky, make this application.

The property on which the Wireless Communications Facility ("WCF") will be built is located at 1602 Connector Road, Ewing, Kentucky 41039. The WCF site is geographically positioned at 38-28-0.22 North latitude, 83-54-19.34 West longitude.

EXHIBIT F

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST:

- American Towers
- Crown Communications
- SBA
- Verizon
- Cingular/AT&T
- Nextel
- T-Mobil
- Sprint
- Bluegrass Cellular
- Ramcell Cellular

CellularONE

124 S. Keeneland Drive Richmond, KY 40475

859-544-4802
859-544-5858 FAX

JOHNSON CREEK

Discussion of site need and configuration

Currently, Cellular One has little coverage along US-68 in the area of the Mason – Fleming County line. The closest sites are near Maysville and Flemingsburg. The distance, coupled with local terrain, blocks any meaningful signal from reaching the area. US-68, a major corridor in the area, is not well covered.

The proposed site fills in the coverage problems noted above providing continuous service along US-68 from well south of the Mason – Fleming County line to our sites in the Mason County. The height is needed to overcome low areas along Johnson Creek to assure continuous coverage to sites to the north.

Sincerely,

W. Eric Broviak
Regional Rf Engineering Manager

EXHIBIT G

COLLOCATION REPORT

Cellular One

124 S. Keeneland Drive Richmond, KY 40475

859-544-4802
859-544-5858 FAX

April 4, 2006

To Whom it may Concern:

In regard to the proposed cellular communications site known as Johnson Creek, KY, this letter will seek to explain co-location issues.

To be able to serve the area, a structure in the realm of 300 ft. above ground level will be required. According to a survey by our site acquisition team, there simply are no tall structures in the area. Therefore, while it is the policy of American Cellular to pursue co-location opportunities wherever possible, there are no opportunities in this area. Thus, the construction of a new tower is the only alternative open to American Cellular.

Sincerely,

W. Eric Broviak
Regional Rf Engineering Manager

EXHIBIT H

APPLICATION TO FAA

Notice of Proposed Construction or Alteration (7460-1)

Project Name: SHARE-000037299-06 **Sponsor:** Shared Sites, L.L.C.

Details for Case : Johnson Creek 2C

Show Project Summary

Case Status

ASN: 2006-ASO-2022-OE

Status: Accepted

Date Submitted: 03/30/2006

Date Accepted: 03/30/2006

Date Determined:

Letter: None

Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

if Temporary :Months: Days:

Work Schedule - Start: 06/01/2006

Work Schedule - End: 12/31/2006

State Filing:

Structure Summary

Structure Name: Johnson Creek 2C

Structure Type: Antenna Tower

Other :

FCC Number:

Prior ASN:

Structure Details

Latitude: 38° 28' 0.57" N

Longitude: 83° 54' 19.13" W

Horizontal Datum: NAD83

Horizontal Accuracy: 2C

Site Elevation (SE): 902 (nearest foot)

Structure Height (AGL): 286 (nearest foot)

Marking/Lighting: White-medium intensity

Other :

Nearest City: Ewing

Nearest State: Kentucky

Traverseway: No Traverseway

Description of Location: 1602 Connector Rd Ewing, KY 41039

Description of Proposal: 280' wireless communications tower facility w/ 6' lightning rod located within fenced compound.

Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

Specific Frequencies

EXHIBIT I

APPLICATION TO KENTUCKY AIRPORT ZONING COMMISSION

Kentucky

TC 56-50E (Rev. 02/05)

Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 200 Mero Street, Frankfort, KY 40622

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

INSTRUCTIONS INCLUDED

Kentucky Aeronautical Study Number

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

Shared Sites, L.L.C.- Kamal Doshi
1390 Chain Bridge Rd #40
Mclean, VA 22101
703-893-0806 (phone)
703-852-7289 (fax)

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

Boulevard Properties, L.L.C.- Matt Wallack
7383 Utica Blvd
Lowville, NY 13367
315-376-3333 (phone)
315-376-8139 (fax)

3. Application for: ☑ New Construction ☐ Alteration ☐ Existing

4. Duration: ☑ Permanent ☐ Temporary (Months Days)

5. Work Schedule: Start 01 Jun 2006 End 31 Dec 2006

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

7. Marking/Painting and/or Lighting Preferred:

☐ Red Lights and Paint
☑ White - Medium Intensity
☐ White - High Intensity
☐ *Dual - Red & Medium Intensity White*
☐ Dual - Red & High Intensity White
☐ Other

8. FAA Aeronautical Study Number

9. Latitude: 38 ° 28 ' 0 . 22 "

10. Longitude: 83 ° 54 ' 19 . 34 "

11. Datum: ☑ NAD83 ☐ NAD27 ☐ Other

12. Nearest Kentucky City: Ewing County Fleming

13. Nearest Kentucky public use or Military airport:

FGX Fleming-Mason County

14. Distance from #13 to Structure: 9.9 miles

15. Direction from #13 to Structure: WSW

16. Site Elevation (AMSL): 900.00 Feet

17. Total Structure Height (AGL): 286.00 Feet

18. Overall Height (#16 + #17) (AMSL): 1,186.00 Feet

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

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

1602 Connector Rd
Ewing, KY 41039

21. Description of Proposal:

280' wireless communications tower facility with 6' lightning rod located within fenced compound.

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

☐ No ☑ Yes, When March 15, 2006

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.*

Matthew J. Wallack — Printed Name and Title

Signature

15 Mar 2006 — Date

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

EXHIBIT J

GEOTECHNICAL REPORT

SUBSURFACE INVESTIGATION &
FOUNDATION RECOMMENDATIONS

PROPOSED JOHNSON CREEK 2
CELL TOWER
EWING, KENTUCKY

Prepared for:

SHARED SITES, L.L.C.
MCLEAN, VIRGINIA

Prepared by:

ALT & WITZIG ENGINEERING, INC.
WEST CHESTER, OHIO

APRIL 21, 2006 **PROJECT NO. 06CN0094**

Alt & Witzig Engineering, Inc.
6205 Schumacher Park Drive • Cincinnati, Ohio 45069
(513) 777-9890 • Fax (513) 777-9070

April 21, 2006

Shared Sites, L.L.C.
1390 Chain Bridge Road #40
McLean, Virginia 22101
ATTN: Mr. Kamal Doshi

RE: Subsurface Investigation &
Foundation Recommendations
Proposed Johnson Creek 2 Tower
Ewing, Kentucky
Alt & Witzig File: 06CN0094

Gentlemen:

In compliance with your request, we have completed a foundation investigation and evaluation for the above referenced project. It is our pleasure to transmit herewith three (3) copies of our report.

SITE LOCATION:

The site is located in Ewing, Kentucky. Specifically, this site is located at 1602 Connector Road. The general vicinity of the site is shown on the enclosed site location map in the appendix of this report.

The purpose of this subsurface investigation was to determine the various soils profile components, determine the engineering characteristics of the materials encountered, and provide information to be used in preparing foundation design for the proposed communication tower.

Field Services

The field investigation included reconnaissance of the project site, drilling four (4) soil borings for the tower, performing standard penetration tests, and obtaining soil samples retained in the standard split-spoon sampler. The apparent groundwater level at each boring location was also determined.

The soil borings were performed with a conventional drilling rig equipped with a rotary head. Conventional hollow-stem augers were used to advance the holes. Representative samples were obtained employing split-spoon sampling procedures in accordance with ASTM Procedure D-1586.

During the sampling procedure, standard penetration tests were performed at regular intervals to obtain the standard penetration value of the soil. The standard penetration value is defined as the number of blows of a 140-pound hammer, falling thirty (30) inches, required to advance the split-spoon sampler one (1) foot into the soil. The results of the standard penetration tests indicate the relative density and comparative consistency of the soils, and thereby provide a basis for estimating the relative strength and compressibility of the soil profile components.

Laboratory Testing

The types of soils encountered in the borings were visually classified according to the Unified Soil Classification System and are described in detail on the boring logs. Representative samples of the soils encountered in the field were placed in sample jars and are now stored in our laboratory. Unless notified to the contrary, all samples will be disposed of after three (3) months.

Recommendations for Tower

Information provided by Boulevard Properties indicates that a 280 feet guyed cellular tower will be constructed at this site. It is anticipated that the structural loads of the tower will be supported by a conventional spread footings or drilled pier foundation.

Our borings encountered medium stiff to hard clay and silty clay to a depth of ten and one-half (10½) to twelve (12) feet in the area of the tower. At this depth the borings encountered limestone and shale bedrock to auger refusal depth at twelve and one-half (12½) to twenty (20) feet below grade. A rock core was performed at boring location B-4 in the center of the tower. The rock core indicated hard limestone with weathered shale layers, some clay seams were noted within the top 3 inches of the core. Recovery for the core was 96% with a Rock Quality Designation (RQD) of 37%. This qualifies as poor to fair quality bedrock.

The following soil parameters can be used to design a shallow foundation. Due to the seasonal variations in moisture content and freeze thaw cycles, no skin friction or resistance to passive pressure should be considered above four (4) feet.

Soil Description	Depth Below Existing Grade	Bearing Pressure (psf) SF=3	Dry Density (pcf)	ϕ	K_p	Coefficient of Friction Against Sliding
Clay	4' – 12'	3,000	115	15°	1.7	0.40
Limestone/Shale	12' +	10,000	130	38°	4.2	0.50

The weight of the backfill above the footings will be used to resist uplift forces; therefore, it is recommended that proper compaction techniques be maintained. Using approved granular material, it is recommended that a density of 100% maximum dry density in accordance with ASTM D-698 be achieved above the footings to finished grade.

Water was noted during drilling operations at a depth of nine and one-half (9½) feet at borings B-1, B-2, and B-4. Boring B-3 noted a water level of eleven and one-half (11½) feet below grade. All borings caved dry at eleven (11) to twelve (12) feet below grade at completion. Also, depending upon the time of the year that the excavations are made, seepage from surface runoff might occur into shallow excavations. Since these foundation materials tend to soften when exposed to free water, every effort should be made to keep the excavations dry should groundwater be encountered. A gravity drainage system, sump pumps, or other conventional minor dewatering procedures should be sufficient for this purpose. It is also recommended that all concrete for footings be poured the same day as the excavation is made.

Often, because of design and construction details that occur on a project, questions rise concerning the soil conditions. If we can give further service in these matters, please contact us at your convenience.

Respectfully Submitted,

ALT & WITZIG ENGINEERING, INC.

Robert Smith, P.E.
Project Engineer

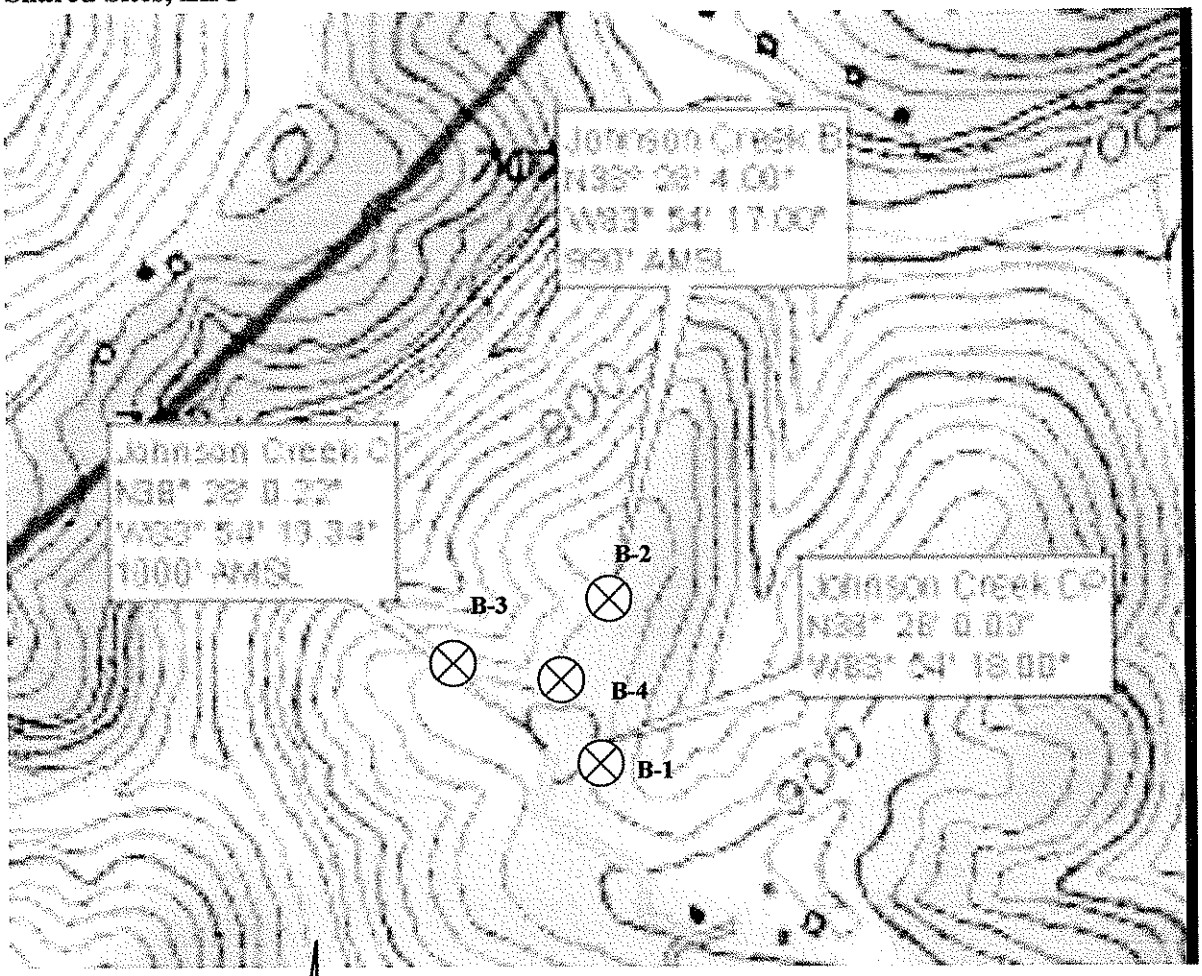
Patrick A. Knoll, P.E.

cc: Boulevard Properties
ATTN: Matthew J. Wallack

APPENDIX

Boring Location Plan

Johnson Creek 2 Tower
Ewing, Kentucky
Shared Sites, LLC



N

1" = 100'

06CN0094

RECORD OF SUBSURFACE EXPLORATION

Alt & Witzig Engineering, Inc.

CLIENT Boulevard Properties
PROJECT NAME Johnson Creek 2
LOCATION Ewing, Kentucky

Boring # B-4
Alt & Witzig File No. 06CN0094

DRILLING and SAMPLING INFORMATION

Date Started 4/18/2006 Hammer Wt. 140 lbs.
Date Completed 4/18/2006 Hammer Drop 30 in.
Boring Method HSA Spoon Sampler OD 2 in.

STRATA ELEV.	SOIL CLASSIFICATION / SURFACE ELEVATION	Depth Scale	Strata Depth	Sample No.	Sample Type	Sampler Graphics	Ground Water	Standard Penetration Test, N - Blows/foot	Qu - tsf Unconfined Compressive Strength	Pp - tsf Pocket Penetrometer	Moisture Content %	Remarks
	0.0-2" Topsoil			1	SS			8			22.1	
	2"-4.5 Brown Clay	5	4.5	2	SS			13			24.9	
	4.5-6.5 Brown Mottled Gray Silty Clay		6.5	3	SS			22			19.6	
	6.5-12.0 Brown Shaley Clay with Layers of Deteriorated Shale	10		4	SS			20			21.1	
	12.0-19.0 Gray Shale and Limestone	15	12.0	5	SS			50/3"				
	19.0-29.5 Rock Core 1 Gray Limestone and Shale (3" - 5" Limestone) REC = 96% RQD = 37%		19.0	6	SS			50/1"				
			24.0									

Boring Method
HSA - Hollow Stem Augers
CFA - Continuous Flight Auger
DC - Driving Casing
MD - Mud Drilling

GROUNDWATER
▽ At Completion Dry ft.
▼ After hours ft.
○ Water on Rods Dry ft.
C - Boring Caved Depth

Sample Type
SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings

RECORD OF SUBSURFACE EXPLORATION

Alt & Witzig Engineering, Inc.

CLIENT Boulevard Properties
PROJECT NAME Johnson Creek 2
LOCATION Ewing, Kentucky

Boring # B-3
Alt & Witzig File No. 06CN0094

DRILLING and SAMPLING INFORMATION

Date Started 4/18/2006 Hammer Wt. 140 lbs.
Date Completed 4/18/2006 Hammer Drop 30 in.
Boring Method HSA Spoon Sampler OD 2 in.

STRATA ELEV.	SOIL CLASSIFICATION / SURFACE ELEVATION	Depth Scale	Strata Depth	Sample No.	Sample Type	Sampler Graphics	Ground Water	Standard Penetration Test, N - Blows/foot	Qu - tsf Unconfined Compressive Strength	Pp - tsf Pocket Penetrometer	Moisture Content %	Remarks
	0.0-2" Topsoil											
	2"-4.5 Brown Peppered Black Clay			1	SS			9			23.5	
		5	4.5	2	SS			15			23.2	
	4.5-9.5 Brown Mottled Gray Clay Some Siltstone			3	SS			23			21.9	
			9.5	4	SS			29			14.2	
	9.5-10.5 Gray Silt Trace Clay	10	10.5									
	10.5-12.0 Gray Silty Clay with Limestone		12.0	5	SS			50/5			16.5	
	12.0-13.8 Gray Shale		13.8									
	Boring Terminated at 13.8 feet											

Boring Method
HSA - Hollow Stem Augers
CFA - Continuous Flight Auger
DC - Driving Casing
MD - Mud Drilling

GROUNDWATER
At Completion Dry ft.
After hours ft.
Water on Rods Dry ft.
C - Boring Caved Depth

Sample Type
SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings

RECORD OF SUBSURFACE EXPLORATION

Alt & Witzig Engineering, Inc.

CLIENT Boulevard Properties
PROJECT NAME Johnson Creek 2
LOCATION Ewing, Kentucky

Boring # B-2
Alt & Witzig File No. 06CN0094

DRILLING and SAMPLING INFORMATION

Date Started 4/18/2006 Hammer Wt. 140 lbs.
Date Completed 4/18/2006 Hammer Drop 30 in.
Boring Method HSA Spoon Sampler OD 2 in.

STRATA ELEV.	SOIL CLASSIFICATION / SURFACE ELEVATION	Depth Scale	Strata Depth	Sample No.	Sample Type	Sampler Graphics	Ground Water	Standard Penetration Test, N - Blows/foot	Qu - tsf Unconfined Compressive Strength	Pp - tsf Pocket Penetrometer	Moisture Content %	Remarks
	0.0-2" Topsoil											
	2"-4.5 Brown Clay	5	4.5	1	SS			8	3.5	3.3	22.2	
				2	SS			18		4.5+	20.0	
	4.5-9.5 Brown Mottled Gray Silty Clay			3	SS			21		4.0	21.2	
			9.5	4	SS			25		4.5+	21.6	
	9.5-12.5 Brown Layered Silt and Clay		12.5									
	Auger Refusal at 12.5 feet											

Boring Method
HSA - Hollow Stem Augers
CFA - Continuous Flight Auger
DC - Driving Casing
MD - Mud Drilling

GROUNDWATER
▽ At Completion Dry ft.
▼ After hours ft.
○ Water on Rods Dry ft.
C - Boring Caved Depth

Sample Type
SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings

RECORD OF SUBSURFACE EXPLORATION

Alt & Witzig Engineering, Inc.

CLIENT Boulevard Properties
PROJECT NAME Johnson Creek 2
LOCATION Ewing, Kentucky

Boring # B-1
Alt & Witzig File No. 06CN0094

DRILLING and SAMPLING INFORMATION

Date Started 4/18/2006 Hammer Wt. 140 lbs.
Date Completed 4/18/2006 Hammer Drop 30 in.
Boring Method HSA Spoon Sampler OD 2 in.

STRATA ELEV.	SOIL CLASSIFICATION / SURFACE ELEVATION	Depth Scale	Strata Depth	Sample No.	Sample Type	Sampler Graphics	Ground Water	Standard Penetration Test, N - Blows/foot	Qu - tsf Unconfined Compressive Strength	Pp - tsf Pocket Penetrometer	Moisture Content %	Remarks
	0.0-2" Topsoil											
	2"-4.5 Brown Clay			1	SS			10		2.5	21.9	
		5	4.5	2	SS			15		4.0	24.8	
	4.5-6.5 Brown Mottled Gray Silty Clay		6.5									
	6.5-8.0 Brown Silty Clay Trace Fine Sand		8.0	3	SS			22		2.0	21.5	
	8.0-10.5 Brown Silt with Clay Layers	10		4	SS			19		2.8	25.0	
			10.5									
	10.5-13.0 Brown Very Weathered Shale and Limestone			5	SS			50/0				
	Auger Refusal at 13.0 feet		13.0									

Boring Method
HSA - Hollow Stem Augers
CFA - Continuous Flight Auger
DC - Driving Casing
MD - Mud Drilling

GROUNDWATER
At Completion Dry ft.
After hours ft.
Water on Rods Dry ft.
C - Boring Caved Depth

Sample Type
SS - Driven Split Spoon
ST - Pressed Shelby Tube
CA - Continuous Flight Auger
RC - Rock Core
CU - Cuttings

GENERAL NOTES

SAMPLE IDENTIFICATION

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

SOIL PROPERTY SYMBOLS

N: Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split-spoon.

Qu: Unconfined compressive strength, TSF

Qp: Penetrometer value, unconfined compressive strength, TSF

Mc: Water content, %

LL: Liquid limit, %

PL: Plastic limit, %

Dd: Natural dry density, PCF

▼ : Apparent groundwater level at time noted after completion

DRILLING AND SAMPLING SYMBOLS

SS: Split-spoon - 1 3/8" I.D., 2" O.D., except where noted
ST: Shelby tube - 3" O.D., except where noted
AU: Auger sample
DB: Diamond bit
CB: Carbide bit
WS: Washed sample

RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

TERM (NON-COHESIVE SOILS)	BLOWS PER FOOT
Very loose	0 - 4
Loose	5 - 10
Firm	11 - 30
Dense	31 - 50
Very Dense	Over 50

TERM (COHESIVE SOILS)	Qu (TSF)
Very soft	0 - 0.25
Soft	0.25 - 0.50
Medium	0.50 - 1.00
Stiff	1.00 - 2.00
Very Stiff	2.00 - 4.00
Hard	4.00+

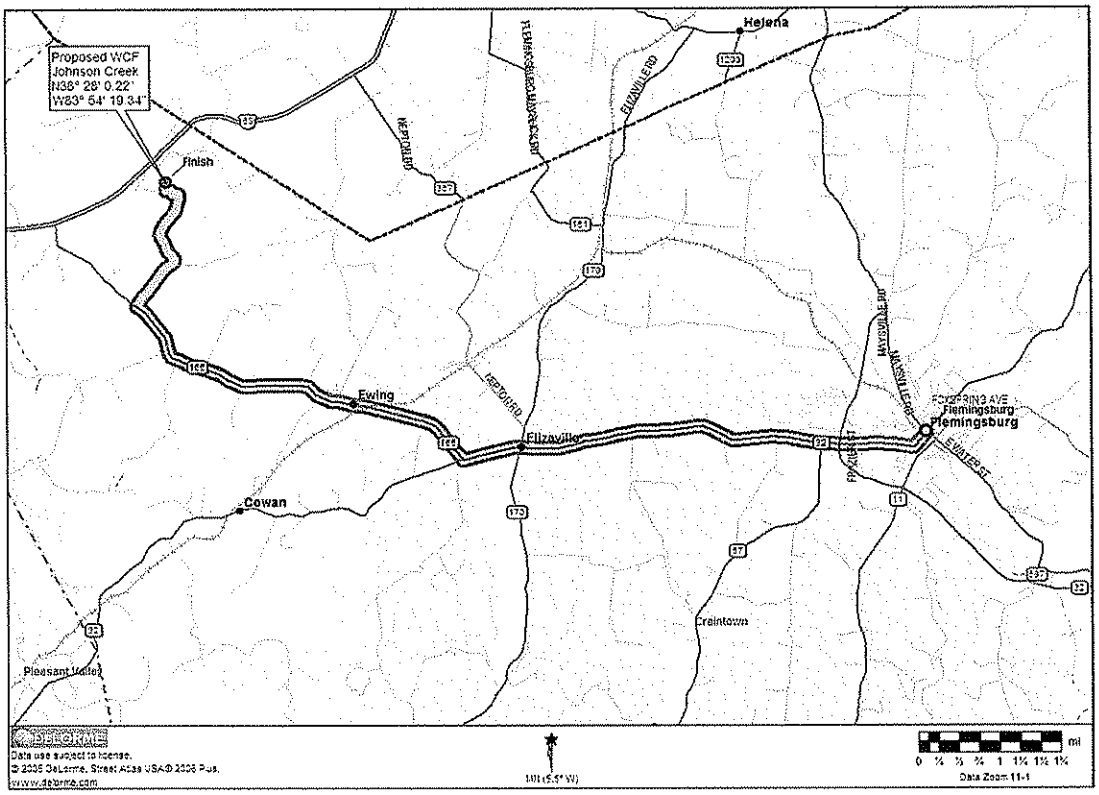
PARTICLE SIZE

Boulders	8 in.(+)	Coarse Sand	5 mm-0.6 mm	Silt	0.075 mm - 0.005 mm
Cobbles	8 in. - 3 in.	Medium Sand	0.6mm-0.2 mm	Clay	0.005mm(-)
Gravel	3 in. - 5 mm	Fine Sand	0.2mm-0.075 mm		

EXHIBIT K

DIRECTIONS TO WCF SITE

WCF LOCATION MAP



DIRECTIONS TO WCF FROM COUNTY SEAT

From the Fleming County Court House proceed west out of town on Rt. 32 approximately 8.5 miles. Turn right onto Rt. 165 and proceed approximately 7.75 miles. Turn right on Deerlick Rd. and proceed approximately .75 miles. Turn left on Connector Rd. and proceed approximately 1.15 miles. Turn right on site access drive.

These directions were prepared by:

David B. Jantzi
Boulevard Properties
7383 Utica Boulevard
Lowville, NY 13367
(315) 523-6258

EXHIBIT L

COPY OF REAL ESTATE AGREEMENT

SITE LEASE AGREEMENT

County: Fleming City: Ewing
Site Name: Johnson Creek Site I. D.: _____ Latitude: N38° 28' 0.22" Longitude: W83° 54' 19.34"
Site Address: 1602 Connector Road, Ewing, Kentucky 41039

1. **Premises and Use.** In consideration of the expenditures and efforts of Tenant to develop and use the premises described below, the undersigned (jointly and severally, the "Owner") hereby leases to Shared Sites, LLC, a West Virginia limited liability company ("Tenant"), or its permitted assignee, the site described below:

   The exclusive right to use and occupy real property, approximately 10,000 square feet of land, as approximately described and shown on Exhibit A, together with non-exclusive easements (a) to a public right of way, for reasonable access, (b) to the appropriate sources of electric and telephone facilities as determined by Tenant, (c) for placement of any supporting guy wires as reasonably determined by Tenant per good engineering practices and (d) to meet fall-zone or set back requirements (collectively, the "Site"). The Site will be used for installing, maintaining and/or operating, a wireless communications and broadcast facility, including, without limitation, antenna towers or poles, guy wires, foundations, utility lines, equipment shelters, ice bridges, radio equipment, antennas, security alarms, cameras, lights, and supporting equipment thereto (collectively, the "Facility"), or for any other use permitted by applicable law. Title to the Facility shall be held by Tenant and the Facility shall remain Tenant's personal property and in no event shall be construed as fixtures.

2. **Term**. The term of this Agreement (the "Initial Term") is five (5) years, starting on the date Tenant signs this Agreement. This Agreement will be automatically renewed for ten (10) additional terms (each a "Renewal Term") of five years each with a [redacted]% increase in rent at each renewal, unless Tenant provides Owner notice of intention not to renew 90 days prior to the expiration of any term.

3. **Rent**. Beginning with the date upon which the construction of the Facility is completed, rent will be paid quarterly, on the first day of each calendar quarter, at the rate of $[redacted] per quarter, partial months to be prorated.

4. **Title, Quiet Possession, and Access.** Owner represents and agrees (a) that it is the owner of the Site pursuant to the instrument set forth on Exhibit A; (b) that the Site is free from all encumbrances except as set forth on Exhibit A, (c) that it has the right to enter into this Agreement; (d) that the person signing this Agreement has the authority to sign; (e) that Tenant, its employees, agents, subcontractors, clients, and invitees are entitled to access to the Site at all times and to the quiet possession of the so long as Tenant is not in default beyond the expiration of any cure period; and (f) that Owner will not have unsupervised access to the Site or to the related Facility. Owner further represents, agrees and covenants that during the Initial Term and Renewal Terms of this Agreement Owner will not use, or permit others to use, any part of any real property currently owned, or hereafter acquired, by Owner within two (2) miles of the Site for any type of communication or broadcast tower or otherwise provide advice, services for development of competing properties or release any information about Tenant's business. Owner shall obtain non-disturbance, subordination and attornment agreement from prior lien holders as required by Tenant's title insurance company.

5. **Assignment/Subletting.** Either party may assign or transfer this Agreement with notice to the other party. Upon delivery of such notice the transferor will have no further liability under the Agreement. Tenant shall be allowed to sublet, or otherwise grant use rights to all or any portion of the Site and/or the Facility without the prior written consent of Owner, it being the express intention of Tenant to lease or license antenna, towers, shelters, and related space of the Facility to separate wireless communication carriers and other clients.

6. **Improvements.** Tenant may make such future improvements on or to the Site and Facility as it deems necessary. Owner agrees to cooperate with Tenant with respect to obtaining any required building/zoning approvals for the Site and improvements. Upon termination or expiration of this Agreement, Tenant shall remove the Facility and its other property located upon the Site, excepting the foundation, and will restore the Site to substantially the condition existing at inception of this lease within 365 days of said termination, except for ordinary wear and tear and casualty loss. Tenant shall reimburse Owner any property tax increases directly attributable to Tenant's improvements. Owner shall fully cooperate Tenant in any available administrative or court appeals of such tax increases.

7. **Compliance with Laws.** Owner represents that Owner's property (including the Site), and all improvements located thereon, are in substantial compliance with building, life/safety, disability and other laws, codes and regulations of applicable governmental authorities. Tenant will substantially comply with all applicable laws relating to its possession and use.

8. **Utilities**. Tenant will pay for all utility connections to the Site. Owner will cooperate with Tenant in Tenant's efforts to obtain utilities from the most economical source.

9. **Termination**. Tenant may terminate this Agreement at any time by notice to Owner without further liability, if Tenant does not obtain all permits or other approvals (collectively, "approval") required from any municipal and/or governmental authority or any easements required from any third party to construct/operate the Facility for its intended use, or if any such approval is canceled, expires or is withdrawn or terminated, or if Owner fails to have proper ownership of the Site or authority to enter into this Agreement, or if Tenant, for any other reason, in its sole discretion, determines that it will be unable to use the Site for its intended purpose.

10. **Default**. If either party is in default under this Agreement for a period thirty (30) days following receipt of notice from the non-

defaulting party shall have the right to pursue all legal remedies including termination of this Agreement. If a non-monetary default may not reasonably be cured within a thirty (30) day period, this Agreement may not be terminated if the defaulting party commences action to cure the default within such 30 day period and said default is substantially cured within ninety (90) days of the initial notice of default.

11. **Indemnity**. Owner and Tenant each indemnify the other against and hold the other harmless from any and all costs (including reasonable attorneys' fees) and claims of liability or loss which arise out of the use and/or occupancy of the Site or Facility by the direct actions or culpable omissions of the indemnifying party, its employees, agents or independent contractors. This indemnity does not apply to any claims arising from the sole negligence or intentional misconduct or omission of the party seeking indemnification.

12. **Hazardous Substances**. Owner represents that it has no knowledge of any substance, ground contamination, chemical or waste (collectively, "substance") on the Site that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Tenant will not introduce or use any such substance on the Site in violation of any applicable law. Owner shall indemnify Tenant against and hold it harmless from any and all costs (including reasonable attorneys' fees) and claims of liability or loss which arise out of any occurrence or condition causing the presence of any such substance on the Site that occurred prior to the date of this Agreement or is directly attributable to the Owner's use of adjoining premises during the term of this agreement.

13. **Waiver of Owner's Lien.** (a) Owner waives any lien rights it may have concerning the Facility, which is deemed Tenant's personal property and not fixtures, and Tenant has the right to remove the same at any time without Owner's consent. Owner (i) disclaims any interest, now or in the future, in and to the Facility, as fixtures or otherwise; (ii) agrees that the Facility and the leasehold or other use interest of Tenant or its authorized subTenants or users, shall be exempt from execution, foreclosure, sale, levy, attachment, or distress for any rent due or to become due. and (iii) agrees to provide any lender of the Tenant with an estoppel statement regarding the above facts, such as the lack of a default hereunder, and any other information or document reasonably requested, such as a non-disturbance, subordination and attornment agreement, within five (5) days of request, and shall upon notice by such lender recognize lender as Tenant or execute a new lease on substantially similar terms with such lender.

14. **Insurance.** Tenant, at its sole cost and expense, shall upon commencement of construction (upon use of mechanical equipment to disturb the land, but not for taking of soil samples or surveys and measurements) procure and maintain bodily injury and property insurance on the Facility with a combined single limit of at least One Million Dollars ($1,000,000). A certificate of such insurance shall be furnished to Owner within 30 days of written request.

15. **Miscellaneous**. (a) This Agreement applies to and binds the heirs, successors, executors, administrators and assigns of the parties to this Agreement; (b) This Agreement is governed by the laws of the State in which the Site is located; (c) This Agreement (including the Exhibits) constitutes the entire agreement between the parties and supersedes all prior agreements; any amendments to this Agreement must be executed by both parties; (e) If any provision of this Agreement is invalid or unenforceable with respect to any party, the remainder of this Agreement, will not be affected and shall remain valid and enforceable to the extent permitted by law; (f) The prevailing party in any action or proceeding in court is entitled to receive its reasonable attorneys' fees and other reasonable enforcement (or, as applicable, defense) costs and expenses; (g) Owner agrees promptly to execute and deliver to Tenant, simultaneously herewith or forthwith hereafter, a recordable Memorandum of this Agreement in the form of Exhibit B; and (h) All notices are effective, on the third business day after their deposit via certified and postage prepaid mail, or, on the next business day after deposit via overnight delivery, to the address below.

"Owner"	"Owner"	Shared Sites, LLC ("Tenant")
By: _____	_____	_____
Name: Larry Buchanan	_____	Name: David B. Jantzi
Title: Owner	_____	Site Developer (Subject to Approval)
Date: 03/13/2006	_____	Date: _____
Address: 1602 Connector Road	_____	
Ewing, Kentucky 41039	_____	_____
Tax ID: _____	_____	Kamal Doshi, Manager (Final Approval)
Phone: _____	_____	Date: _____
		1390 Chain Bridge Road #40
		Mclean, VA 22101 Phone:
		(703)-893-0806

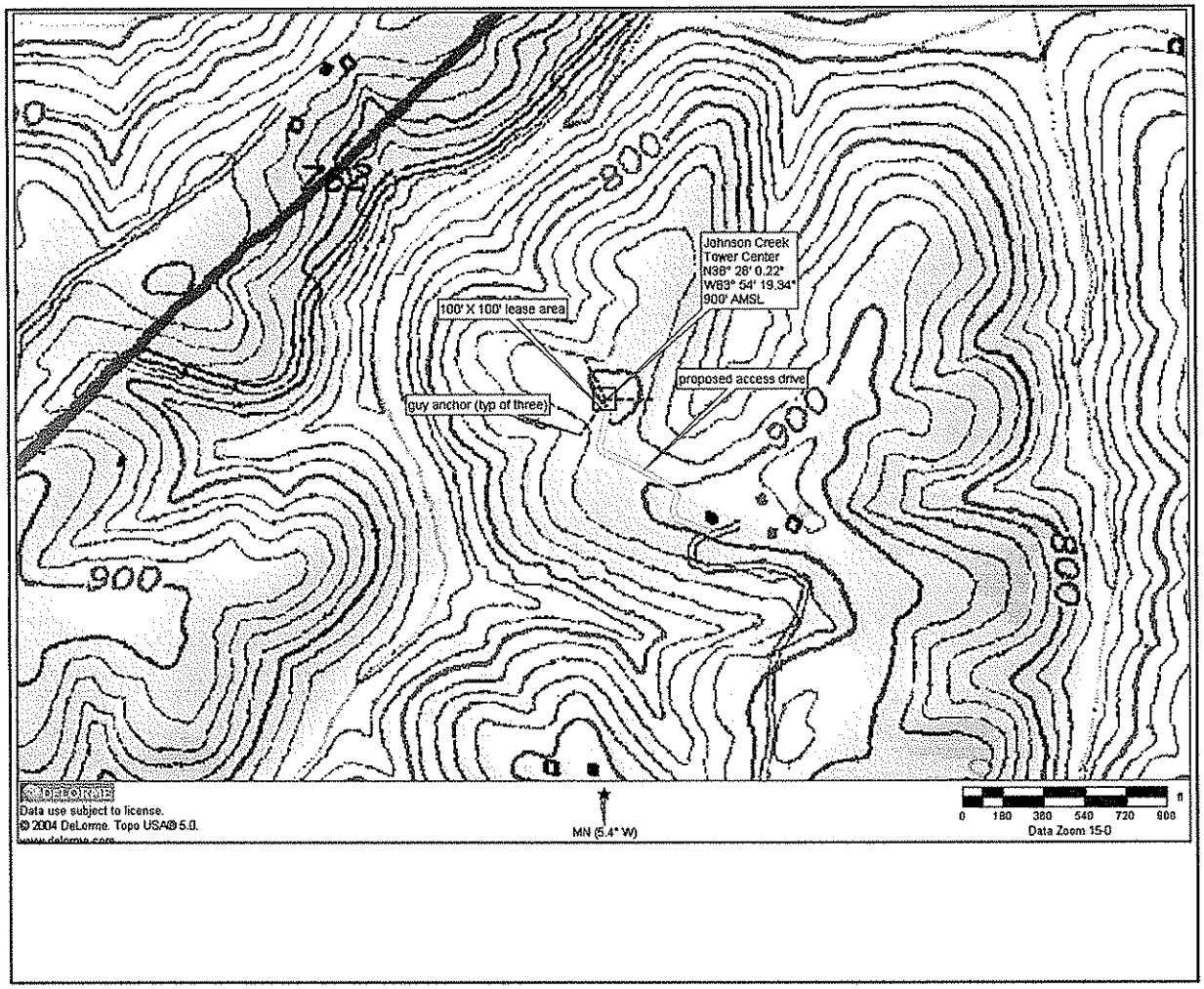
EXHIBIT A
Site Agreement - Site Description – Permitted Exceptions

Site Name: Johnson Creek **Site I.D.:** _____
Site situated in the City/Town of Ewing, County of Fleming, State of Kentucky commonly described as follows:

Legal Description: A portion of the premises located at address: 1602 Connector Road, Ewing, Kentucky 41039

more particularly described in Deed to: Larry Buchanan dated _____ and recorded in Fleming County Registry of Deeds at Book _____, Page_____. Tax Map 10, Plot 21

Sketch of Site:



Permitted Exceptions: None.

Owner Initials _____ Owner Initials _____ Tenant Initials _____

Note: Owner and Tenant may, at Tenant's option, replace this Exhibit with an exhibit setting forth the legal description of the property on which the Site is located and/or a more detailed survey or drawing depicting the Site.

This instrument prepared by:

David B. Jantzi

After recording please return to:
Shared Sites, LLC, 1390 Chain Bridge Road #40, McLean VA 22101

Tax Map No. 10, Plot No. 21
Notice to Clerk: Both Owner and Tenant are to be indexed in the Grantors and Grantees Indices.

Memorandum of Site Lease Agreement

(Exhibit B of the Lease Agreement)

Site Name: Johnson Creek **Site I.D.:**____

This memorandum evidences that a lease was made and entered into by written Site Lease Agreement dated 03-13-2006, between Larry Buchanan ("Owner") and Shared Sites, LLC, a West Virginia limited liability company ("Tenant"), the terms and conditions of which are incorporated herein by reference.

Such Agreement provides in part that Owner leases to Tenant a portion of a certain site ("Site") located at 1602 Connector Road, City of Ewing, County of Fleming, State of Kentucky owned by Owner, as described in Exhibit A attached hereto, with grant of easement for unrestricted rights of access thereto and to electric, telephone and guy wire facilities for an initial term of five (5) years, which term is subject to ten (10) additional five (5) year extension periods by Tenant.
IN WITNESS WHEREOF, the parties have executed the Memorandum as of the day and year first above written.

"Owner"	"Owner"	"Tenant" Shared Sites, LLC
By: _____	_____	_____
Name: Larry Buchanan	_____	David B. Jantz i
Title: Owner	_____	Consultant
Date: _____	_____	_____
Address: 1602 Connector Road	_____	1390 Chain Bridge Road #40
Ewing, Kentucky 41039	_____	McLean, VA 22101

STATE OF _____ (Tenant Notary Block)
CITY/COUNTY OF _____,ss

The foregoing instrument was acknowledged before me this_____ day of _____, 2006, by _____ (Name), _____ (Title) of Shared Sites, LLC, a West Virginia limited liability company (Tenant) on behalf of the limited liability company.

(AFFIX NOTARIAL SEAL) _____
NOTARY PUBLIC

My commission expires:_____

STATE OF _____ (Owner Notary Block for Individuals)
CITY/COUNTY OF _____, ss

The foregoing instrument was acknowledged before me this_____ day of _____, 2006, by _____ and _____ (Name(s) as applicable), each an Owner.

(AFFIX NOTARIAL SEAL) _____
NOTARY PUBLIC

My commission expires:_____

STATE OF _____ (Owner Notary Block for Companies)
CITY/COUNTY OF_____,ss

The foregoing instrument was acknowledged before me this_____ day of _____, 2006, by _____(Name), _____(Title) of _____ (Owner – Name of Business, N/A if not applicable) a _____ (e.g. A West Virginia Corporation, N/A if not applicable) on behalf of the _____ (Type of Entity- e.g. Corporation, N/A if not applicable).

(AFFIX NOTARIAL SEAL) _____
NOTARY PUBLIC

My commission expires:_____

EXHIBIT M

FLOOD PLAIN CERTIFICATION

MIKE RUGGLES LAND SURVEYING
RT.1 BOX 152
TOLLESBORO, KY 41189
PHONE 606-798-2929
FAX 606-798-2929
ruggleslandsurveying@adelphia.net

April 25, 2006

Matt,

I spoke with Dwayne Price, who is the Fleming County Flood Plan Manager of Fleming County, and as of this date there is no flood information available for that area. Please feel free to give me a call if you should have any questions or call Dwayne Price at 606-845-1419.

Thanks,

Mike Ruggles
Professional Land Surveyor

EXHIBIT N

NOTIFICATION LISTING

CERTIFICATION OF NOTIFICATION

1) George E. and Bonnie Estill
502 West 2nd Street
Maysville, KY 41056

2) Wayne and Sharon Vice
1539 US 68
Ewing, KY 41039

3) Dewey J. and Mary D. Jimison
2307 Connector Rd.
Ewing, KY 41039

4) Orville Miller
717 US 68
Ewing, KY 41039

5) Melvin and Marjorie Lynch
61030 US 68
Mays Lick, KY 41055

6) Robert L. Graves Sr. and Louetta Curtis
45 Dogwood Dr.
Ewing, KY 41039

7) Owen E. and Victoria T. Davis
5411 Ewing Rd.
Ewing, KY 41039

8) Gary Gray
662 Connector Rd.
Ewing, KY 41039

9) Larry Buchanan
1602 Connector Rd.
Ewing, KY 41039

10) Flora Jean Shrader
540 Oak Leaf Rd.
Mt. Orab, OH 45154

11) Honorable Larry H. Foxworthy
Fleming County Judge Executive
201 Court Square
Flemingsburg, KY 41041

EXHIBIT O

COPY OF PROPERTY OWNER NOTIFICATION

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

George E. and Bonnie Estill
502 West 2nd Street
Maysville, KY 41056

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

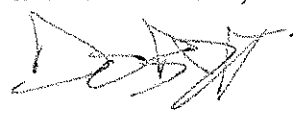
Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (PSC) for a Certificate of Public Convienence and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1602 Connector Rd, Ewing, KY 41039. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

The Kentucky Public Service Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the PSC must be received by the PSC within 20 days of the date of the Postal cancellation on the envelope this letter was received in. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, 211 Sower Boulevard, Post Office Box 615, Frankfort, KY 40602-0615. Please refer to Docket No.: 2006-00106 in your correspondence.

Please feel free to contact David Jantzi at 315-376-3333, if you have any questions.

Sincerely,
Shared Towers KY, LLC



David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Wayne and Sharon Vice
1539 US 68
Ewing, KY 41039

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

Dear Sir or Madam:

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Sincerely,
Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Dewey J. and Mary D. Jimison
2307 Connector Rd.
Ewing, KY 41039

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

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Sincerely,
Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Orville Miller
717 US 68
Ewing, KY 41039

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

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Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Melvin and Marjorie Lynch
61030 US 68
Mays Lick, KY 41055

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

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Sincerely,
Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Robert L. Graves Sr. and Louetta Curtis
45 Dogwood Drive
Ewing, KY 41039

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

Dear Sir or Madam:

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Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Owen E. and Victoria T. Davis
5411 Ewing Rd.
Ewing, KY 41039

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

Dear Sir or Madam:

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Sincerely,
Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Gary Gray
662 Connector Rd.
Ewing, KY 41039

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (PSC) for a Certificate of Public Convienence and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1602 Connector Rd, Ewing, KY 41039. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

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Please feel free to contact David Jantzi at 315-376-3333, if you have any questions.

Sincerely,
Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Larry Buchanan
1602 Connector rd.
Ewing, KY 41039

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

Dear Sir or Madam:

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Please feel free to contact David Jantzi at 315-376-3333, if you have any questions.

Sincerely,
Shared Towers KY, LLC

David B. Jantzi
Consultant

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Flora Jean Shrader
54 Oak Leaf Rd.
Mt. Orab, OH 45154

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (PSC) for a Certificate of Public Convienence and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1602 Connector Rd, Ewing, KY 41039. This notice is being sent to you because you own property within a 500' radius of the proposed tower or have property adjoining the property where the tower is proposed.

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Please feel free to contact David Jantzi at 315-376-3333, if you have any questions.

Sincerely,
Shared Towers KY, LLC

David B. Jantzi
Consultant

EXHIBIT P

COPY OF JUDGE EXECUTIVE NOTICE

David B. Jantzi
Shared Sites, LLC
1390 Chain Bridge Rd. #40
Mclean, VA 22101

Friday, April 07, 2006

Honorable Larry H. Foxworthy
Fleming County Judge Executive
201 Court Square
Flemingsburg, KY 41041

RE: Public Notice – Kentucky Public Service Commission
Docket # 2006-00106

Dear Sir or Madam:

Shared Sites, LLC and American Cellular Corporation are making application to the Kentucky Public Service Commission (PSC) for a Certificate of Public Convienence and Necessity to construct and operate a new facility to provide wireless communication services. The facility will include a 300-foot tower with appurtenances attached to a maximum height of 306 feet, and a ground level equipment shelter(s) to be located at 1602 Connector Rd, Ewing, KY 41039. This notice is being sent to you because you are the Fleming County Judge Executive where the tower is proposed.

The Kentucky Public Service Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter. Your initial communication to the PSC must be received by the PSC within 20 days of the date of the Postal cancellation on the envelope this letter was received in. Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission of Kentucky, 211 Sower Boulevard, Post Office Box 615, Frankfort, KY 40602-0615. Please refer to Docket No.: 2006-00106 in your correspondence.

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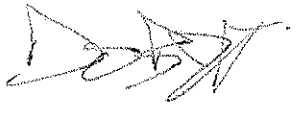
Shared Towers KY, LLC



David B. Jantzi
Consultant

EXHIBIT Q

COPY OF POSTING NOTICES

SHARED SITES, L.L.C PROPOSES TO CONSTRUCT A TELECOMMUNICATIONS TOWER NEAR THIS SITE

IF YOU HAVE QUESTIONS PLEASE CONTACT

David Jantzi (Shared Sites Representative)
1390 Chain Bridge Rd. #40, McLean, VA 22101
315-523-6258

OR

Executive Director, Public Service Commission
211 Sower Boulevard
PO Box 615, Frankfort, KY 40602
Docket# 2006-00106

SHARED SITES, L.L.C PROPOSES TO CONSTRUCT A TELECOMMUNICATIONS TOWER ON THIS SITE

IF YOU HAVE QUESTIONS PLEASE CONTACT

David Jantzi (Shared Towers Representative)
1390 Chain Bridge Rd. #40, McLean, VA 22101
315-523-6258

OR

Executive Director, Public Service Commission
211 Sower Boulevard
PO Box 615, Frankfort, KY 40602
Docket# 2006-00106

EXHIBIT R

RADIO FREQUENCY DESIGN SEARCH AREA

RADIO FREQUENCY DESIGN SEARCH AREA

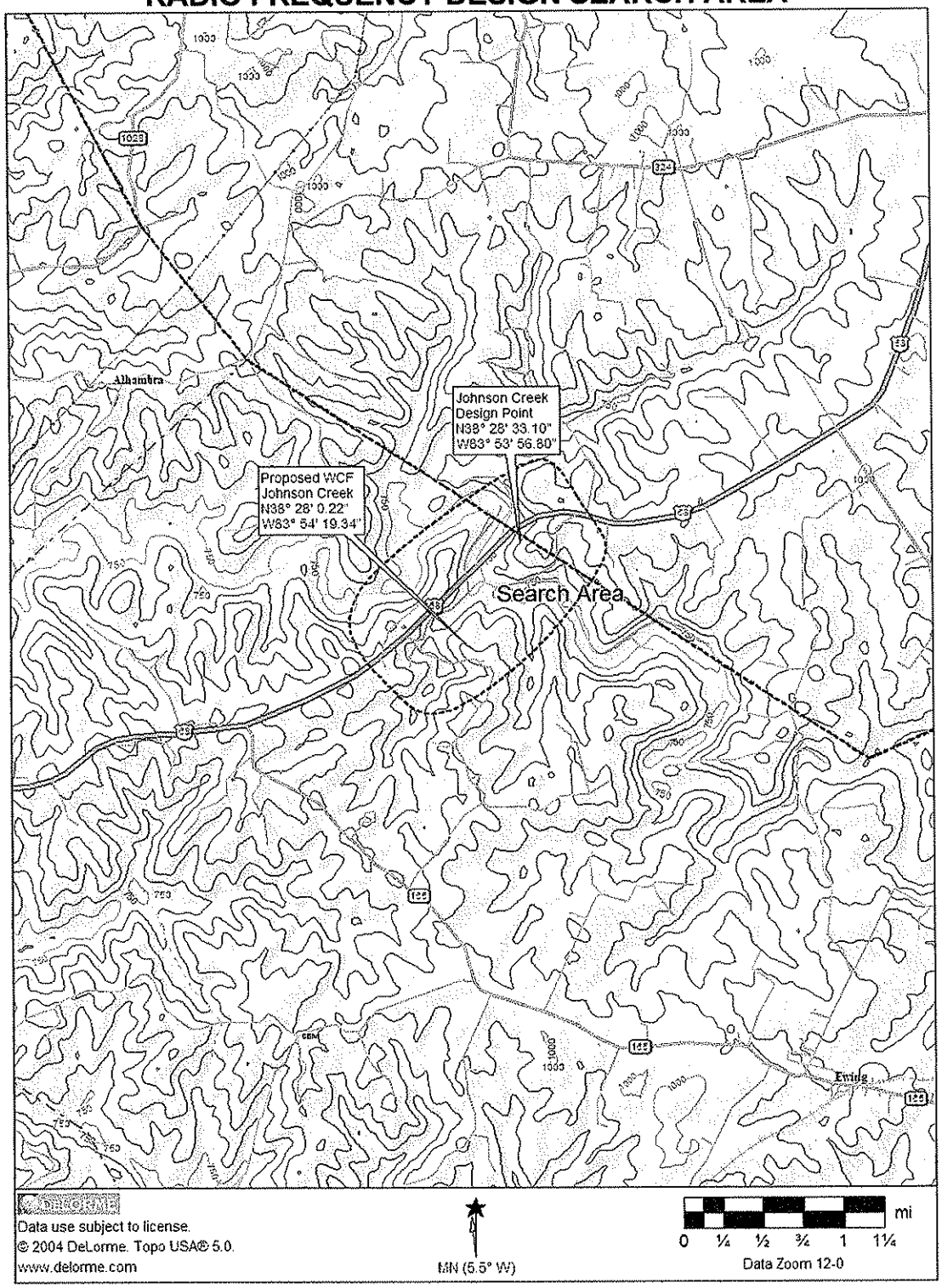
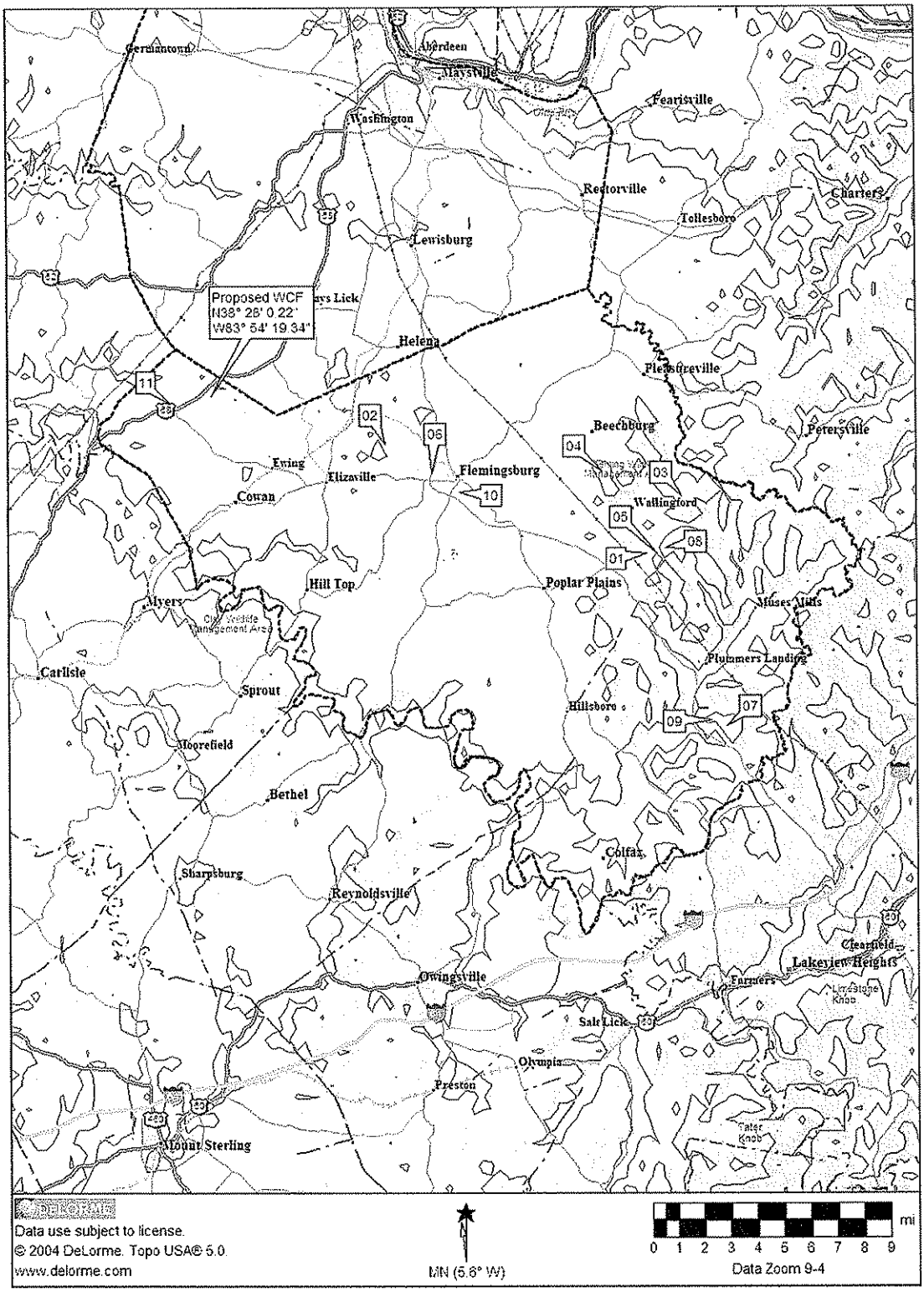


EXHIBIT S

TOWER MAP FOR SUBJECT COUNTY

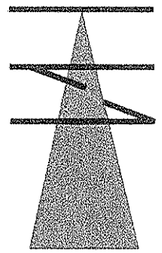
MAP OF EXISTING TOWERS FOR FLEMING COUNTY



	Registration Number	Status	File Number	Owner Name	Latitude Longitude	Structure City/State	Overall Height (AGL)
1	1042226	*Constructed*	*A0455331*	*Global Tower, LLC*	38-22-47.8N 083-36-07.4W	FLEMINGSBURG, KY	89.0
2	1043350	Constructed	A0469404	NEW CINGULAR WIRELESS PCS, LLC	38-26-24.7N 083-47-03.4W	FLEMINGSBURG, KY	126.5
3	1043566	Constructed	A0051272	FLEMING COUNTY BROADCASTING COMPANY INC DBA = WFLE FM	38-24-42.0N 083-34-41.0W	FLEMINGSBURG, KY	91.4
4	1044219	Constructed	A0354703	American Towers, Inc.	38-25-30.1N 083-38-00.4W	BEECHBURG, KY	84.1
5	1044510	Constructed	A0052524	EAST KENTUCKY POWER COOPERATIVE, INC	38-22-48.0N 083-35-43.0W	GODDARD, KY	80.8
6	1044806	Constructed	A0052858	KENTUCKY, COMMONWEALTH OF DBA = KY EMERGENCY WARNING SYSTEM KEWS	38-25-27.0N 083-45-06.0W	FLEMINGSBURG, KY	82.0
7	1233513	Cancelled	A0356870	Crown Communication Inc.	38-17-08.6N 083-32-48.2W	Wallingford, KY	125.9
8	1234165	Constructed	A0345076	East Kentucky Power Cooperative, Inc.	38-22-59.2N 083-35-21.1W	Flemingsburg, KY	125.0
9	1243262	Constructed	A0399459	M.P. Towers, Inc.	38-17-19.1N 083-33-26.2W	Plummers Mill, KY	106.7
10	1247706	Constructed	A0470783	NEW CINGULAR WIRELESS PCS, LLC	38-24-49.2N 083-43-56.9W	Flemingsburg, KY	93.9
11	1248198	Constructed	A0419689	C&C TOWER RENTAL,LLC	38-27-46.7N 083-56-04.6W	FLEMINGSBURG, KY	60.6

PROPOSED

WIRELESS COMMUNICATIONS FACILITY



SHARED SITES, LLC

1390 CHAIN BRIDGE ROAD #40, MCLEAN, VA 22101

UTILITY INFORMATION:

TELEPHONE SERVICE:
ALLTEL
1-800-843-9214

ELECTRIC SERVICE:
FLEMING - MASON ENERGY COOP.
1-800-464-3144

HANDICAPPED REQUIREMENTS

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED

PLUMBING REQUIREMENTS

FACILITY HAS NO PLUMBING

EXISTING PROJECT SITE SUMMARY	
COUNTY:	FLEMING
SITE COORDINATES:	N 38° 28' 0.57" LAT. W 83° 54' 19.13" LONG.
ELEVATION:	902' AMSL
SITE ADDRESS	1188 CONNECTOR RD EWING, KY 41039
PROPERTY OWNER:	CHARLES L. BUCHANAN 1602 CONNECTOR RD EWING, KY 41039
CONTACT NAME:	DAVE JANTZI 7383 UTICA BOULEVARD LOWVILLE, NY 13367
CONTACT TEL NO.:	518-253-0000
SITE NAME:	JOHNSON CREEK

SHARED SITES, LLC

DATE

REPRESENTATIVE SIGNATURE

OWNER APPROVAL

DATE

REPRESENTATIVE SIGNATURE

DATE	DESCRIPTION	DRAWING INDEX
		TITLE SHEET
		C1 SURVEYED SITE PLAN
		C2 OVERALL SITE PLAN AND GENERAL NOTES
		C3 DETAILED SITE PLAN
		C4 SECTIONS
		C5 TOWER ELEVATION, ANTENNA PLAN
		& ANTENNA SCHEDULE
		F1 GENERAL FENCING DETAILS
		AND GENERAL NOTES
		S1 ICE BRIDGE AND FOUNDATION DETAILS
		& STRUCTURAL NOTES
		S2 STRUCTURAL, FOUNDATION AND SLAB
		DETAILS
		E1 SINGLE LINE DIAGRAM
		AND ELECTRICAL NOTES
		E2 GROUNDING SITE PLAN AND
		GROUNDING RISER DIAGRAM
		E3 ELECTRICAL DETAILS

AMERICAN CELLULAR CORPORATION

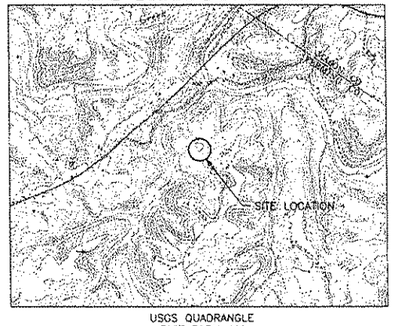
CONTACT: RICHARD PENNINGTON
1245 KEENELAND DRIVE
RICHMOND, KY 40475
OFFICE: (859) 544-5820
FAX: (859) 544-5858

ANTENNA / TOWER

ENGINEERS / ARCHITECTS

POTESTA
Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
126 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2245 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

LOCATION MAP



USGS QUADRANGLE
EAST FORK, KY
1"=4000'

DIRECTIONS :

FROM US-68 / KY-165, TURN RIGHT ONTO KY-165. TURN LEFT ONTO DEER LICK ROAD. TRUN LEFT ONTO GRAVEL LANE AND CONTINUE TO SITE.

PROJECT NAME : JOHNSON CREEK
EWING, KY 41039

DATE : 04/26/06

SURVEY PLAT
SHARED SITES, L.L.C.
DEER LICK RD. FLEMING CO., KY
DATE:4/5/06 SCALE 1"=100'

0' 150' 300' 450'

LEGEND

These standard symbols will be found in the drawing.

- ● 1/2" I.P. AND CAP SET
- ◦ MEANDER POINT
- △ MAG NAIL
- ○ FENCE POST
- ◇ TREE (AS NOTED)
- ◇ UTILITY POLE
- ——————— BOUNDARY LINE
- ——— - ——— CENTER LINE OF ROAD
- - - - - - EDGE OF PAVEMENT
- —X—X— FENCE LINE

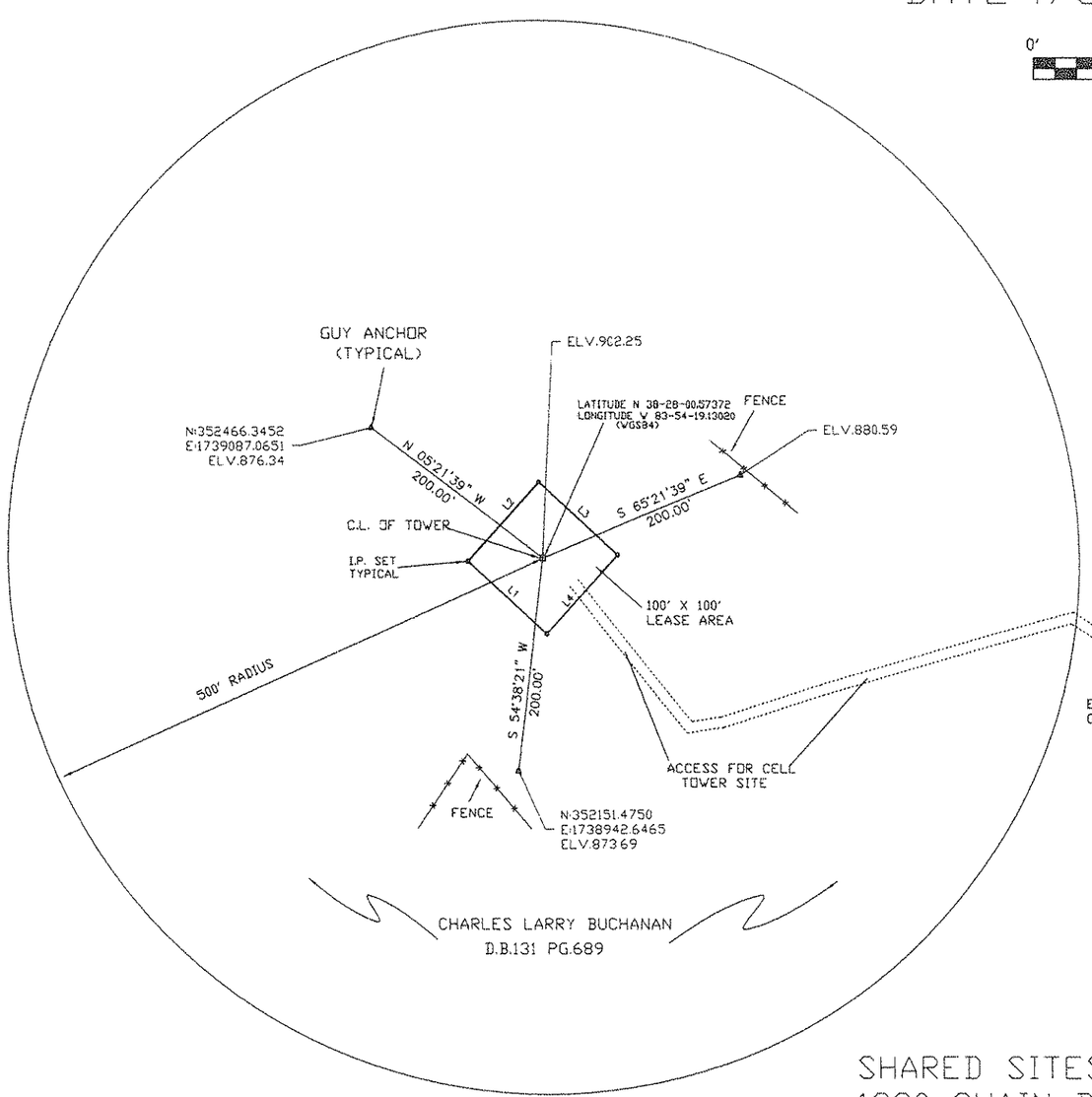
NOTES:
HORIZONTAL DATUM - 83,
UNLESS NOTED OTHERWISE
VERTICAL DATUM - NAVD 88

HORIZONTAL DATUM WAS ESTABLISHED FROM A USGS MONUMENT FOUND NEAR THE INTERSECTION OF KY HWY 324 & KY HWY 419, PID HY2499.

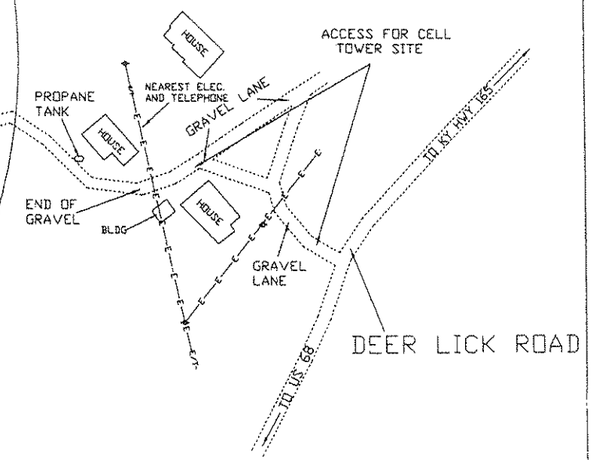
VERTICAL DATUM WAS ESTABLISHED FROM A USGS MONUMENT FOUND ON KY HWY 324 JUST WEST OF THE RAIL ROAD TRACKS AT HELENA STATION, PID HY1797.

LINE	BEARING	DISTANCE
L1	N 00°00'00" E	100.00'
L2	N 90°00'00" E	100.00'
L3	S 00°00'00" E	100.00'
L4	N 90°00'00" W	100.00'

VICINITY MAP



LANDOWNER
CHARLES LARRY BUCHANAN



SHARED SITES, L.L.C.
1390 CHAIN BRIDGE RD. #40
McLEAN, VA 22101
PHONE 703-893-0806

MIKE RUGGLES
LAND SURVEYING
RT. 1 BOX 152
TOLLESBORO, KY 41189
(606) 798-2929

POTESTA
Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2245 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

SURVEYED SITE PLAN

	DATE
DESIGNED BLB	04/28/06
DRAWN SAB	04/28/06
CHECKED	

JOB NO.
06-0035-013

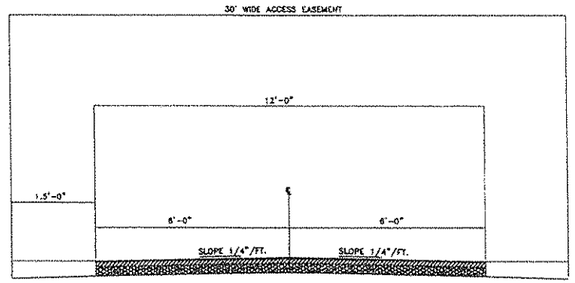
C1

CLOSE OUT DOCUMENTATION

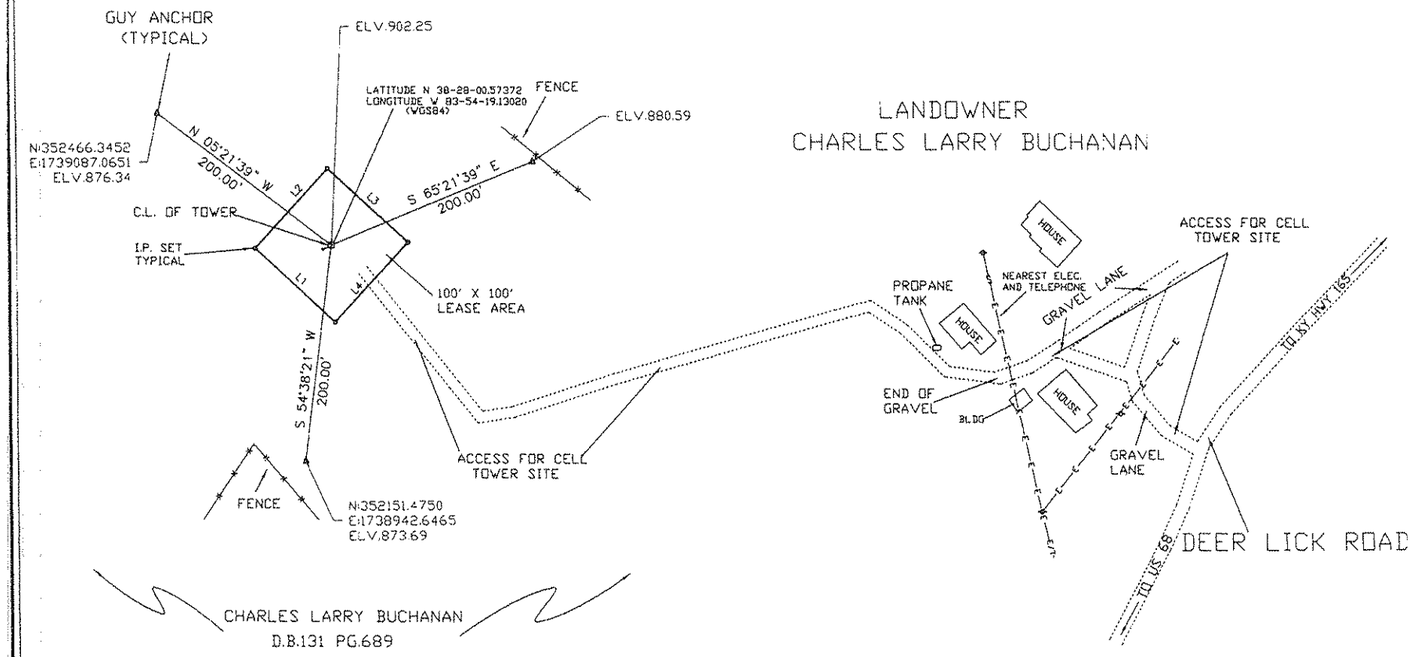
1. THE CONTRACTOR SHALL MAINTAIN TWO (2) COMPLETE AS-BUILT SET OF PLANS AND CONDITIONS, AND SUBMIT SAME TO THE ENGINEER WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION. THE AS-BUILT PLANS SUBMITTED TO THE PROJECT MANAGER SHALL INCLUDE A DRAWING WITH DIMENSIONS SHOWING THE LOCATION OF THE UNDERGROUND UTILITIES, GROUNDING GRID, BUILDING, EXISTING TOWER, ANTENNA ORIENTATION, AND FENCE WITHIN THE LEASE AREA.

2. THE CONTRACTOR SHALL OBTAIN AMERICAN CELLULAR GROUND FIELD RESISTANCE TEST FORM AND PERFORM ALL SITE GROUND TESTING PER AMERICAN CELLULAR REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE COMPLETED TEST FORM TO AMERICAN CELLULAR AT CLOSE OUT.

3. THE CONTRACTOR SHALL PROVIDE DIGITAL PHOTOS ON CD TO SHARED SITES AT CLOSE OUT. PHOTOS SHALL INCLUDE, BUT NOT LIMITED TO ANTENNAS, ANTENNA MOUNTS, GROUNDING, WEATHERPROOFING, ICE BRIDGE, COAX CABLES AND ALL OTHER PICTURES DESCRIBED IN AMERICAN CELLULAR AND SHARED SITES STANDARDS.



TYPICAL ROAD SECTION



GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION OPERATIONS ON THE SITE AND ANY OTHER UTILITY COMPANY THAT IS A NON-MEMBER OF THESE SERVICES:

KENTUCKY UNDERGROUND PROTECTION, INC. 1-800-752-6007

AMERICAN CELLULAR
DAVID GINTER: 859-544-5805; F. 859-544-5858; M. 859-544-5000;
EMAIL: david.ginter@dobson.net
MR. RICHIE PENNINGTON: 859-544-5820
EMAIL: richie.pennington@dobson.net

SHARED SITES
DAVE JANTZI: 315-376-3333; F. 315-376-8139; M. 315-523-6258
EMAIL: dave@bivdllc.com

2. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, INCLUDING SUBSURFACE CONDITIONS. THE CONTRACTOR IS HEREBY MADE AWARE THAT NO GEOTECHNICAL REPORT HAS BEEN PRODUCED OR USED IN PREPARATION OF THESE DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND VERIFY THE REQUIRED ALLOWABLE BEARING CAPACITY AT THE FOUNDATION BEARING ELEVATIONS, INCLUDING THE SUBSURFACE CONDITIONS AND EMBANKMENT STABILITY. IF UNSUITABLE SOILS SUCH AS ORGANIC SOIL, GRANULAR FILL OR RUBBLE FILL ARE PRESENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER (POTESTA & ASSOCIATES, INC.) AND SHARED SITES IMMEDIATELY FOR FURTHER INSTRUCTIONS PRIOR TO PLACEMENT OF CONCRETE. ALL RECOMMENDATIONS FOR THIS SITE FROM ANY GEOTECHNICAL REPORT OR ENGINEER SHALL BE PERFORMED. THE CONTRACTOR SHALL OBTAIN PERMISSION OF OWNER VIA SHARED SITES PRIOR TO SITE ENTRY FOR THE PURPOSE OF VERIFICATION OF EXISTING SITE CONDITIONS.

3. ALL DIMENSIONS ARE BASED ON TAPE MEASUREMENTS AND NOT BASED ON A FORMAL SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO PURCHASE OF MATERIAL AND PRIOR TO ESTIMATING JOB COSTS. IF CONFLICTS ARE OBSERVED NOTIFY ENGINEER IMMEDIATELY.

4. CONTRACTOR SHALL PROVIDE CERTIFIED COPIES OF ALL LABORATORY TESTS TO SHARED SITES AT THE COMPLETION OF THE TESTS. SPECIFICALLY CONCRETE COMPRESSIVE STRENGTH AND GEOTECHNICAL RESULTS.

5. EXISTING UTILITIES ARE SHOWN FROM EXISTING PLANS AND ARE NOT NECESSARILY COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE, AND DETERMINE IF CONFLICTS EXIST WITH THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IN ORDER TO RESOLVE ANY CONFLICTS. EXISTING UTILITIES DAMAGED SHALL BE REPAIRED OR REPLACED, AS NEEDED, IN LIKE KIND AND CHARACTER, AND AT THE EXISTING GRADE PRIOR TO CONSTRUCTION.

6. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES AND GROUNDING PRIOR TO ANY EXCAVATION, AND CONTRACTOR SHALLHAND DIG IN THE VICINITY OF ALL EXISTING LINES.

7. CONTRACTOR SHALL CONCRETE ENCASE ANY EXISTING CONDUITS PASSING UNDER NEW SHELTERS. (3" MIN. COVER ALL SIDES, 4000 PSI CONC.)

8. CONTRACTOR SHALL MAINTAIN THE DISTANCE OF 12" BETWEEN EXISTING/NEW TELCO & ELECTRIC CONDUITS UNLESS NOTED OTHERWISE.

9. ALL WORK SHALL BE CONFINED TO THE LEASE AND/OR ACCESS AREAS (EXCEPT GRADING), UNLESS AGREEMENT AND CONSENT OF THE PROPERTY OWNER IS OBTAINED IN WRITING. EASEMENTS AND LEASE LIMITS SHALL BE VERIFIED IN WRITING PRIOR TO STARTING CONSTRUCTION. AGREEMENTS TO WORK IN THESE AREAS IS BY OTHERS NOT POTESTA & INC. ASSOCIATES.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO PAVEMENT, FINISHED GRADES, LANDSCAPING, BUILDINGS, SURVEY MARKERS, ETC.

12. CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL REQUIRED TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR GOVERNING LOCAL AGENCY AS REQUIRED.

13. CONTRACTOR SHALL PERFORM GRADING AND FINISH GRADE THE SITE IN SMOOTH AND CONTINUOUS SLOPES, REMOVE EXCESS EXCAVATION FROM THE SITE, AND PROVIDE CLEAN ENGINEERED BACKFILL WHERE NEEDED FROM OFF SITE.

14. CONTRACTOR SHALL AT THE COMPLETION OF WORK REMOVE ALL DEBRIS FROM THE SITE AND AREAS DISTURBED, PERFORM FINAL GRADING, AND SEED AND MULCH ALL AREAS DISTURBED (WHERE APPLICABLE).

15. CONTRACTOR SHALL RETURN ALL DISTURBED AREAS WITHIN EXISTING GRAVEL COMPOUND BACK TO ITS ORIGINAL CONDITION UTILIZING MATERIALS OF LIKE KIND AND CHARACTER AS REMOVED.

16. IF THE SITE INCLUDES AN EXISTING COMPOUND, THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY AND SECURITY OF THE EXISTING GRAVEL COMPOUND AND SHALL RESTORE THE COMPOUND TO IT'S ORIGINAL CONDITION UPON COMPLETION OF CONSTRUCTION ACTIVITIES. IF THERE IS A GEOTEXTILE FABRIC PRESENT BELOW THE EXISTING GRAVEL COMPOUND THE CONTRACTOR SHALL PROVIDE A PATCH TO THE FABRIC IN ANY LOCATION WHERE IT IS BROKEN, CUT OR TORN. THE PATCH SHALL CONSIST OF MATCHING OR APPROVED EQUAL FABRIC TO THAT WHICH IS DAMAGED AND SHALL EXTEND ONE (1') FOOT BEYOND THE BREAK IN ALL DIRECTIONS.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR ATTACHING OR SECURING ANY ACCESSORY OR LOOSE ITEMS THAT ARE SHIPPED WITH THE RADIO EQUIPMENT, I.E. TIE DOWN PLATES, ETC., AND SHALL INCLUDE THIS WORK IN THE INSTALLATION PORTION OF THE BID.

18. RADIO EQUIPMENT:

CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIAL FOR THE PROPER LIFTING AND SETTING OF THE RADIO EQUIPMENT FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION ON THE CONCRETE FOUNDATION. THE EQUIPMENT SHALL BE LIFTED INTO PLACE BY USING A MINIMUM OF FOUR (4) NYLON LIFTING STRAPS. EACH STRAP SHALL BE RATED AT 8,000# EACH.

19. TOWER ANALYSIS:

EXISTING TOWER AND FOUNDATION ANALYSIS ARE BY OTHERS NOT POTESTA & ASSOCIATES, INC. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH THIS DOCUMENT AND VERIFY COAX ROUTING AND ALL MOUNT ELEVATIONS..

20. AMERICAN CELLULAR SHALL FURNISH ANTENNAS FRAMES, ANTENNAS AND COAX CABLES. CONTRACTOR SHALL INSTALL.

21. CONTRACTOR MATERIAL DELIVERIES:

CONTRACTOR SHALL COORDINATE WITH OWNER (SHARED SITES) ON DELIVERIES OF ALL EQUIPMENT & MATERIAL FURNISHED BY OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR PICKUP OF EQUIPMENT & MATERIAL FROM OWNERS FACILITIES AND DELIVER TO SITE. MULTIPLE VISITS MAY BE REQUIRED FOR HARDWARE AND RADIO EQUIPMENT - COORDINATE WITH OWNER. CONTRACTOR SHALL SCHEDULE WITH OWNER NOT LESS THAN 24 HOURS IN ADVANCE.

POTESTA
Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2246 FAX: (304) 225-2246
E-Mail Address: potesta@potestainc.com

REV.	DATE	DESCRIPTION

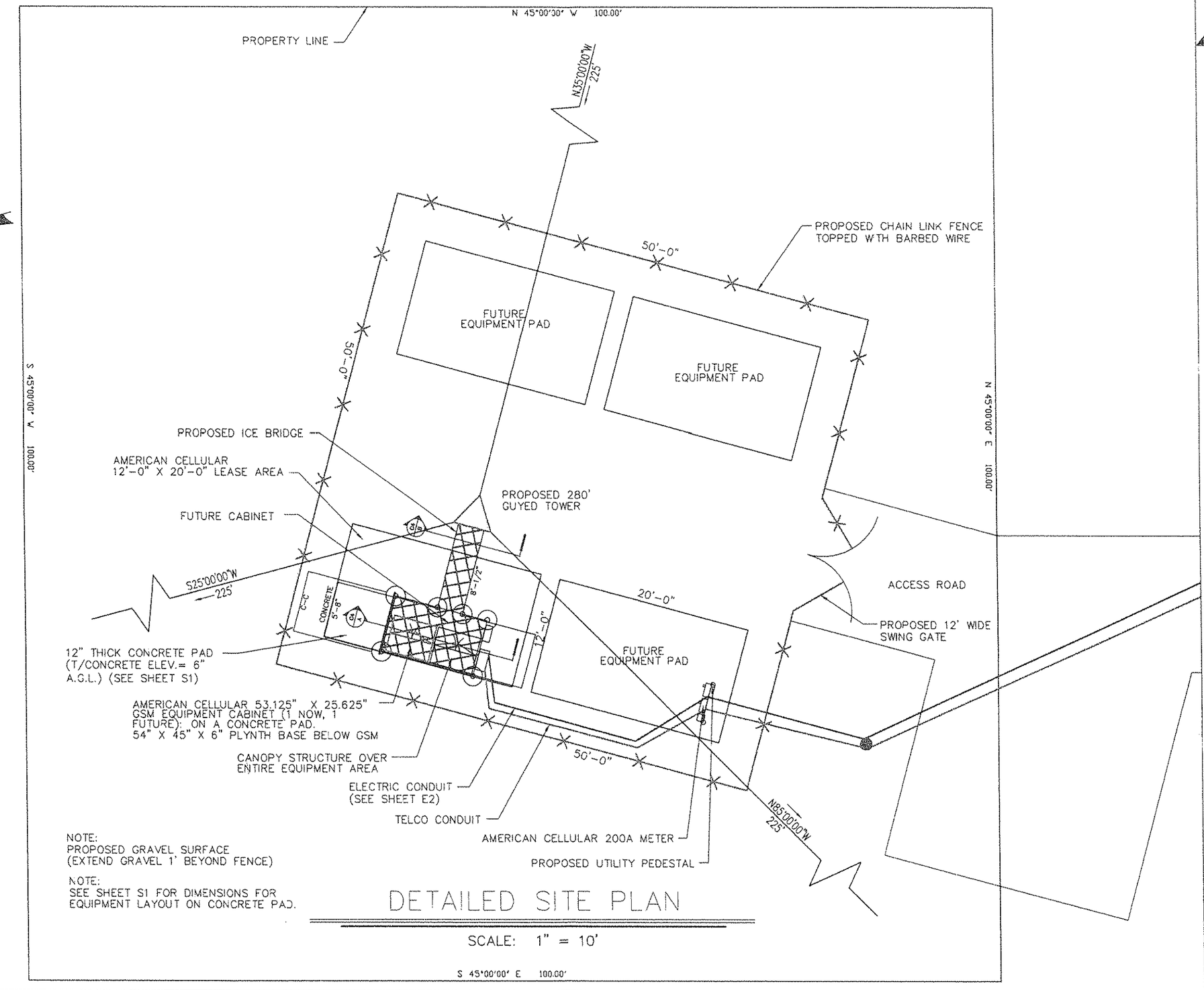
JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

OVERALL SITE PLAN
AND GENERAL NOTES

	DATE
DESIGNED BLB	04/28/06
DRAWN SAB	04/28/06
CHECKED	

JOB NO.
06-0035-013

C2



NOTE:
PROPOSED GRAVEL SURFACE
(EXTEND GRAVEL 1' BEYOND FENCE)

NOTE:
SEE SHEET S1 FOR DIMENSIONS FOR
EQUIPMENT LAYOUT ON CONCRETE PAD.

DETAILED SITE PLAN

SCALE: 1" = 10'

POTESTA

Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2245 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

REV.	DESCRIPTION	DATE

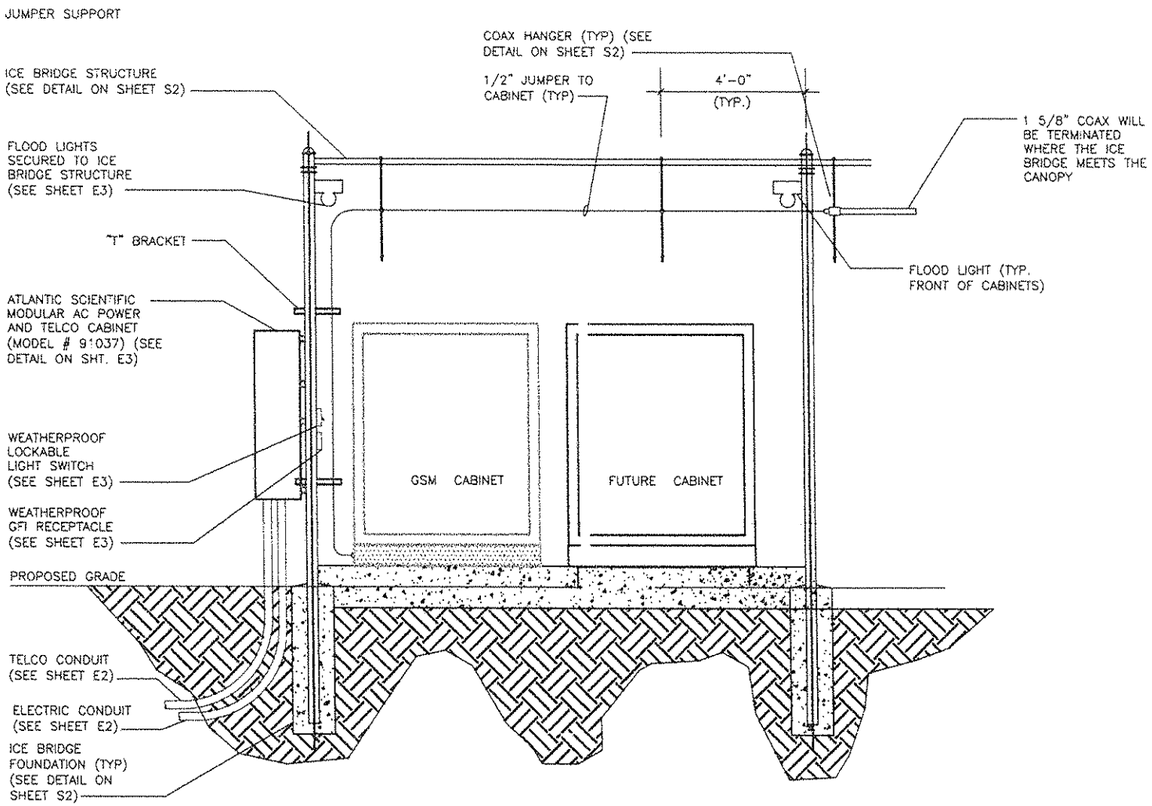
JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

DETAILED SITE PLAN

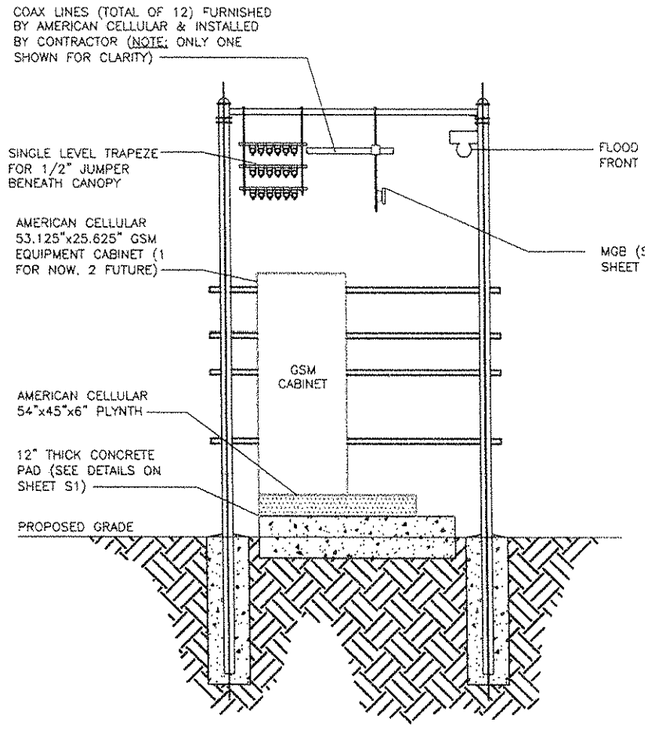
	DATE
DESIGNED BLB	04/25/06
DRAWN SAB	04/25/06
CHECKED	

JOB NO.
06-0035-013

C3



SECTION A C4
SCALE: 1" = 4'-0"



SECTION B C4
SCALE: 1" = 3'

POTESTA
Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL. (304) 225-2245 FAX: (304) 225-2248
E-Mail Address potesta@potesta.com

REV.	DATE	DESCRIPTION

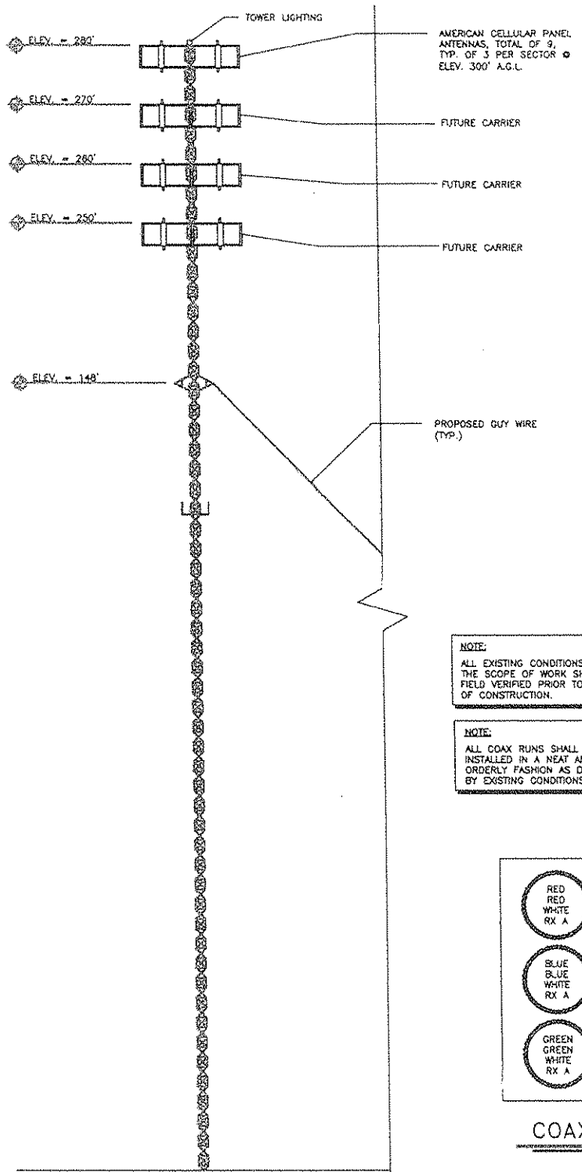
JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

SECTIONS

DESIGNED	DATE
BLB	04/26/06
DRAWN	
SAB	04/26/06
CHECKED	

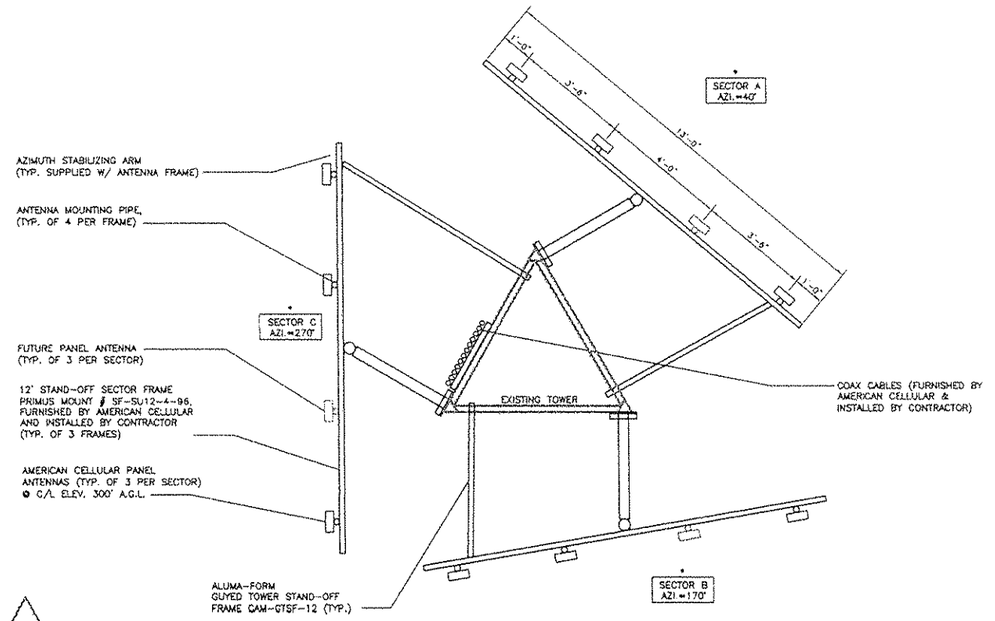
JOB NO.
06-0035-013

C4



TOWER ELEVATION

NTS

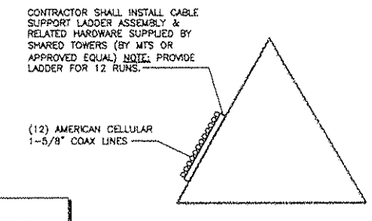


ANTENNA PLAN

NTS

NORTH

* VERIFY WITH SHARED TOWERS PRIOR TO INSTALLATION. CONTRACTOR SHOULD OBTAIN FULL INSTALLATION DETAILS IN WRITING.



NOTE:

ALL EXISTING CONDITIONS WITHIN THE SCOPE OF WORK SHALL BE FIELD VERIFIED PRIOR TO START OF CONSTRUCTION.

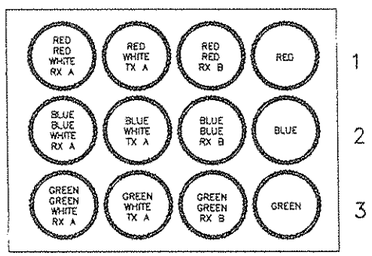
NOTE:

ALL COAX RUNS SHALL BE INSTALLED IN A NEAT AND ORDERLY FASHION AS DICTATED BY EXISTING CONDITIONS.

COAX LAYOUT

N.T.S.

NORTH



COAX ENTRY SCHEDULE

NO SCALE

NOTE: COAX SCHEDULE MAY BE ADJUSTED IN THE FIELD PRIOR TO CONSTRUCTION.

NOTE: AS VIEWED WITH BACK TO TOWER, FACING EQUIPMENT CABINET.

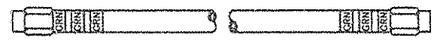
ANTENNA SCHEDULE

SECTOR	A	B	C
AZIMUTH	*40°	*170°	*270°
RAD CENTER (A.G.L.)	280'-0"	280'-0"	280'-0"
INITIAL ANTENNAS PER SECTOR	3	3	3
ANTENNA TYPE	PANEL	PANEL	PANEL
ANTENNA MFR.	SWEDCOM	SWEDCOM	SWEDCOM
ANTENNA MODEL No.	SC4015	SC-E60°4-DIN	SC9012-DIN
MECHANICAL DOWNTILT	5°	3°	5°
ELECTRICAL DOWNTILT	0°	0°	0°
HELIAX SIZE	1-5/8" DIA.	1-5/8" DIA.	1-5/8" DIA.

* VERIFY WITH SHARED TOWERS PRIOR TO INSTALLATION. CONTRACTOR SHOULD OBTAIN FULL INSTALLATION DETAILS IN WRITING.

ANTENNA COLOR CODING SCHEDULE

SECTOR	A	B	C
ANTENNA 1	RED, RED, WHITE	BLUE, BLUE, WHITE	GREEN, GREEN, WHITE
ANTENNA 2	RED, WHITE	BLUE, WHITE	GREEN, WHITE
ANTENNA 3	RED, RED	BLUE, BLUE	GREEN, GREEN
ANTENNA 4	OPEN PIPE (RED)	OPEN PIPE (BLUE)	OPEN PIPE (GREEN)



1. COLOR BAND ON MAIN LINE TO BE 1" WIDE WITH 1" SPACE MIN. OF 3 WRAPS
2. COLOR BAND ON JUMPERS TO BE 1" WIDE WITH 1" SPACE MIN. OF 3 WRAPS
3. START COLOR BANDS 2" BEYOND WEATHERPROOFING
4. START SECTOR COLOR NEXT TO END CONNECTOR

COLOR CODING

NO SCALE

POTESTA

Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2246 FAX: (304) 225-2846
E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

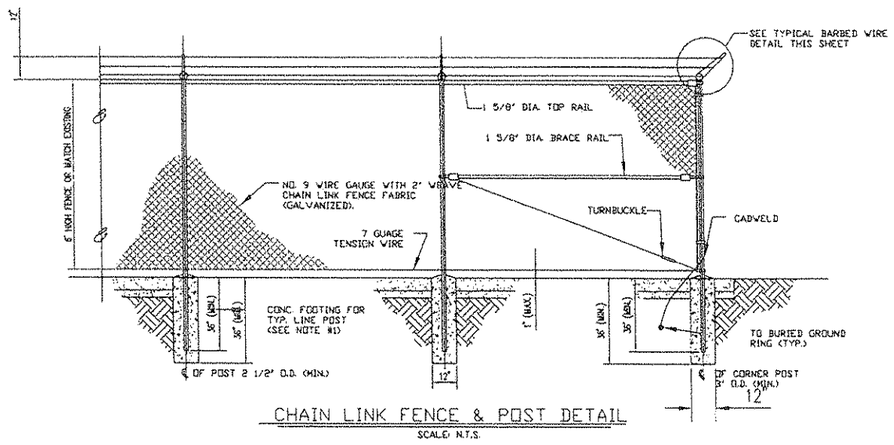
SPARKS
1360 WILLIAM JUDD RD
EDMONTON, KY 42129

TOWER ELEVATION, ANTENNA PLAN & ANTENNA SCHEDULE

	DATE
DESIGNED BLB	04/19/06
DRAWN SAB	04/19/06
CHECKED DBS	04/19/06

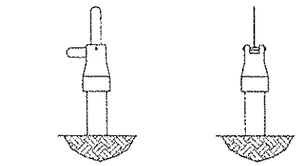
JOB NO. 06-0035-008

C5



CHAIN LINK FENCE & POST DETAIL

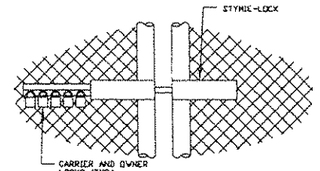
SCALE: N.T.S.



GATE KEEPER DETAIL

SCALE: N. T. S.

(SEE NOTE #12 THIS SHEET)



GATE LOCK (STYMIE) DETAIL

SCALE: N. T. S.

GENERAL FENCING NOTES

1. BOTTOM OF CONCRETE BASE SHALL BE SET BELOW FROST LINE (SEE LOCAL CODE) CONCRETE BASE IS RECOMMENDED MINIMUM AND SHOULD BE REDESIGNED FOR CONDITIONS WHERE SOIL IS POOR. PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 3000 PSI. (MIN.).

2. PROVIDE A DIAGONAL BRACE ROD AND TURNBUCKLE. AS SHOWN, AND ON BOTH SIDES OF THE GATE.

3. ALL FENCE AND FABRIC SHALL BE HOT DIPPED GALVANIZED. ALL BARDED WIRE SHALL BE ALUMINUM (OR COATED PER NO. 8).

4.BOTTOM EDGE OF FENCE FABRIC SHALL BE 1" ABOVE FINISHED GRADE.

5. TERMINAL POSTS SHALL BE 3" O.D. SCH 40 PIPE AND TOP RAILS SHALL BE 2" O.D. SCH 20 PIPE.

6. SITE FENCE SHALL BE 6'-0" FABRIC W/ BARBED WIRE.

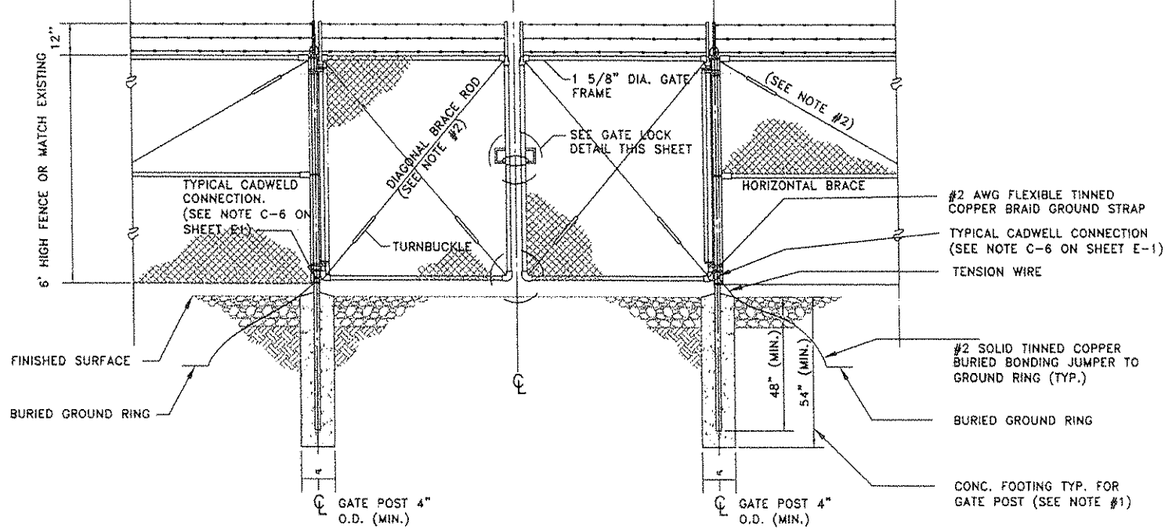
7. FABRIC TO HAVE 1.20 OZ. ZINC PER SQ. FT.

8. BARBED WIRE TO BE STANDARD GALVANIZED BARBED WIRE.

9. CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) STYMIE LOCK.

10. ALL POSTS SHALL BE PLUMB.

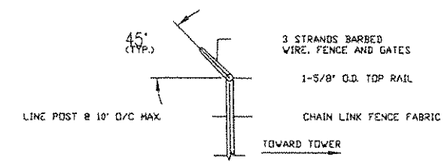
11. INSTALL A STYMIE-LOCK PER MANUFACTURERS SPECIFICATIONS. CONTRACTOR SHALL CONTACT STYMIE-LOCK LLC. AT (888-278-9643) P.O. BOX 398 PINEVILLE, NC 28134.



DOUBLE SWING GATE DETAIL

SCALE: N.T.S.

NOTE: BOND EACH HORIZONTAL POLE/BRACER TO EACH OTHER AND TO THE VERTICAL POLE WHICH IS BONDED TO THE BURIED GROUND RING.



TYPICAL BARBED WIRE DETAIL

SCALE: N. T. S.

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E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

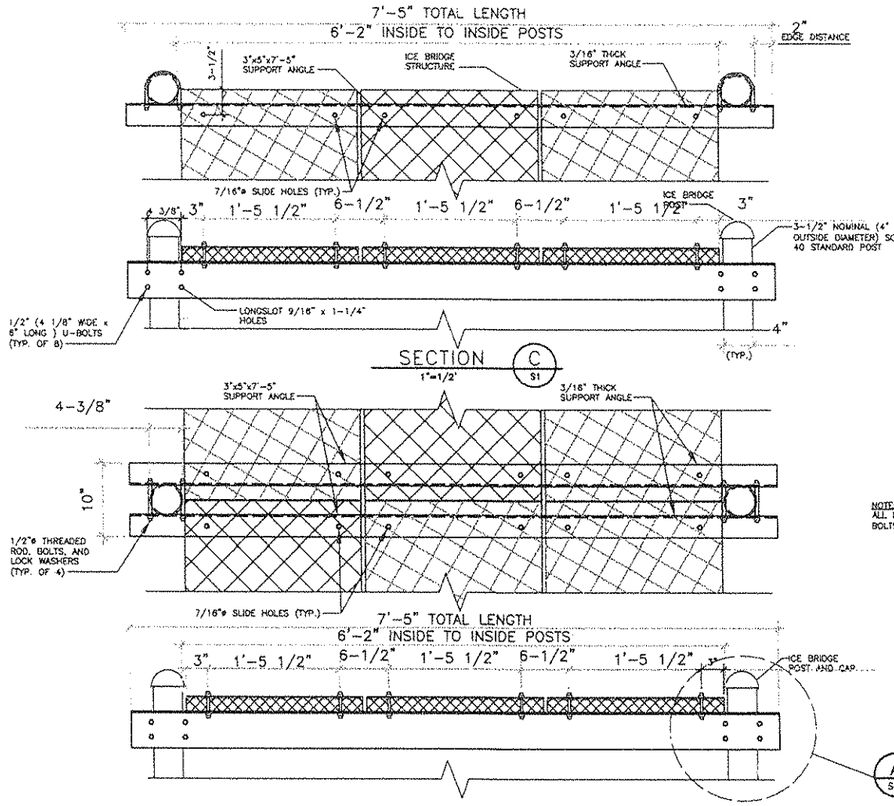
JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

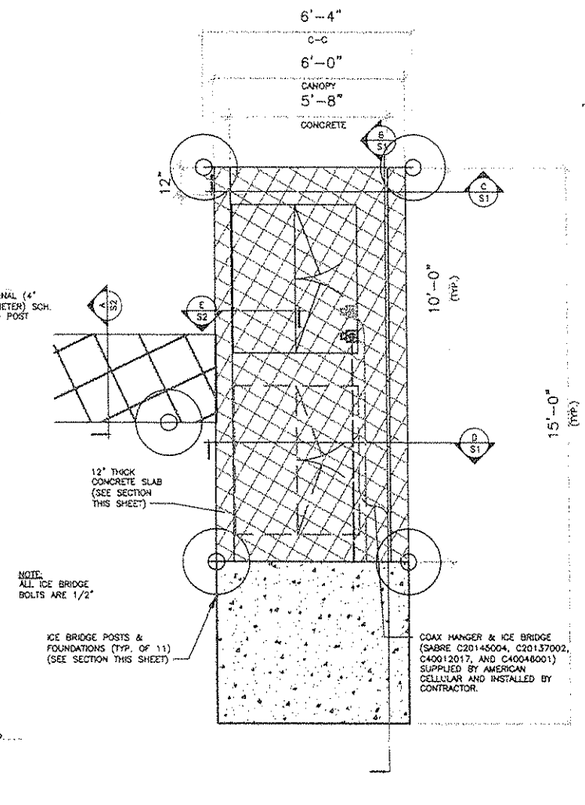
GENERAL FENCING DETAILS AND GENERAL NOTES

	DATE
DESIGNED	
BLB	04/28/06
DRAWN	
SAB	04/28/06
CHECKED	

JOB NO.
06-0035-013

F1





FOUNDATION SITE PLAN
N.T.S.

NOTES:

1. GENERAL PROVISIONS

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF IBC. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODE AND THE CONTRACT SPECIFICATIONS.

THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE JOB CONDITIONS AND RESTRICTIONS.

2. STRUCTURAL STEEL

ANGLES	ASTM A36
BOLTS	ASTM A325

A. DETAILING FABRICATION, AND ERECTION SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS.

B. WHEN FORCES ARE NOT SHOWN, THE CONNECTION SHALL DEVELOP 1/2 OF THE ALLOWABLE UNIFORM LOAD AS SPECIFIED IN THE BEAM TABLES OF AISC (ASD). A MINIMUM OF 2 BOLTS SHALL BE USED.

C. FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION BEFORE FABRICATION.

D. ALL STEEL TO BE GALVANIZED AFTER FABRICATION ASTM 123.

3. FOUNDATION SYSTEM

THE CONTRACTOR SHALL EXERCISE GREAT CARE DURING EXCAVATION. THE CONTRACTOR SHALL PREDETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST.

A. THE CONTRACTOR IS HEREBY MADE AWARE THAT NO SUBSURFACE REPORT HAS BEEN PERFORMED AT THIS SITE. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITION, INCLUDING SUBSURFACE CONDITIONS, EMBANKMENT STABILITY, AND ALLOWABLE BREAKING CAPACITY. THE CONTRACTOR SHALL OBTAIN PERMISSION OF OWNER VIA POTESTA PRIOR TO SITE ENTRY FOR THE PURPOSE OF VERIFICATION OF EXISTING SITE CONDITIONS.

B. THE CONTRACTOR SHALL VERIFY A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. IF UNSUITABLE SOILS SUCH AS ORGANIC SOIL, GRANULAR FILL, OR RUBBLE FILL ARE PRESENT THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR FURTHER INSTRUCTIONS ABOUT PLACING CONCRETE.

C. ALL CONCRETE SHALL BE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 7 DAYS FOR THE BUILDING FOUNDATION, AND AT 28 DAYS FOR ALL OTHER CONCRETE; VIBRATED; EXECUTED IN ACCORDANCE WITH ACI-318-02 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE; TESTED; AND CONSTRUCTED WITHIN 1/8" OF THE ELEVATIONS SPECIFIED HEREIN. PRIOR TO PLACING ANY CONCRETE, THE CONTRACTOR SHALL SUBMIT A CONCRETE DESIGN MIX TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE TEST CYLINDERS FOR TESTING IN ACCORDANCE WITH ASTM C-31 AND C-39, WITH A MINIMUM OF 1 CYLINDER PER FEATURE, MOLDED IN ACCORDANCE WITH ASTM-172. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING LAB FEES.

C. ALL REINFORCING STEEL SHALL BE TIED, CONFORM TO ASTM-A615/A615M-94 GRADE 60 AND BE DETAILED IN ACCORDANCE WITH ACI-318-02 AND SHALL HAVE MINIMUM COVER OF 3 INCHES, UNLESS NOTED OTHERWISE.

E. RADIO EQUIPMENT: THE GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT, AND MATERIAL FOR THE PROPER LIFTING AND SETTING OF THE RADIO EQUIPMENT FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION ON THE CONCRETE FOUNDATION. THE EQUIPMENT SHALL BE LIFTED INTO PLACE BY USING A MINIMUM OF FOUR (4) NYLON LIFTING STRAPS. EACH STRAP SHALL BE RATED AT 8,000# EACH.

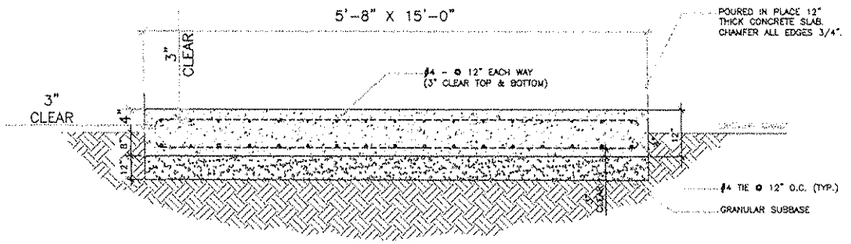
F. CONTRACTOR SHALL VERIFY UTILITY ENTRANCES W/RADIO EQUIPMENT CABINET MANUFACTURER BEFORE POURING FOUNDATION.

4. CONCRETE WORK:

CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")

5. UTILITY PROTECTION SERVICE:

KENTUCKY UNDERGROUND PROTECTION, INC: 1-800-752-5007 PRIOR TO ANY DIGGING OR DRILLING.



SECTION B
N.T.S.

POTESTA

Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 226-2245 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

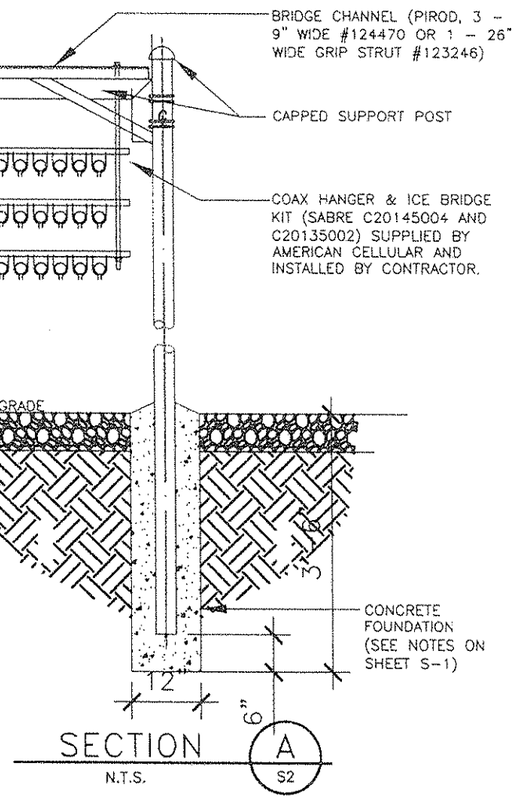
JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

ICE BRIDGE AND FOUNDATION
DETAILS & STRUCTUTAL NOTES

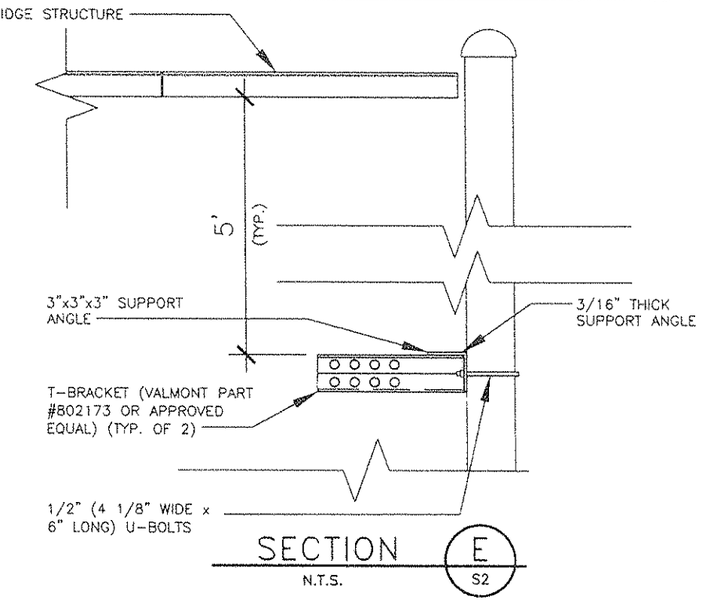
	DATE
DESIGNED BLB	04/28/06
DRAWN SAB	04/28/06
CHECKED	

JOB NO.
06-0035-013

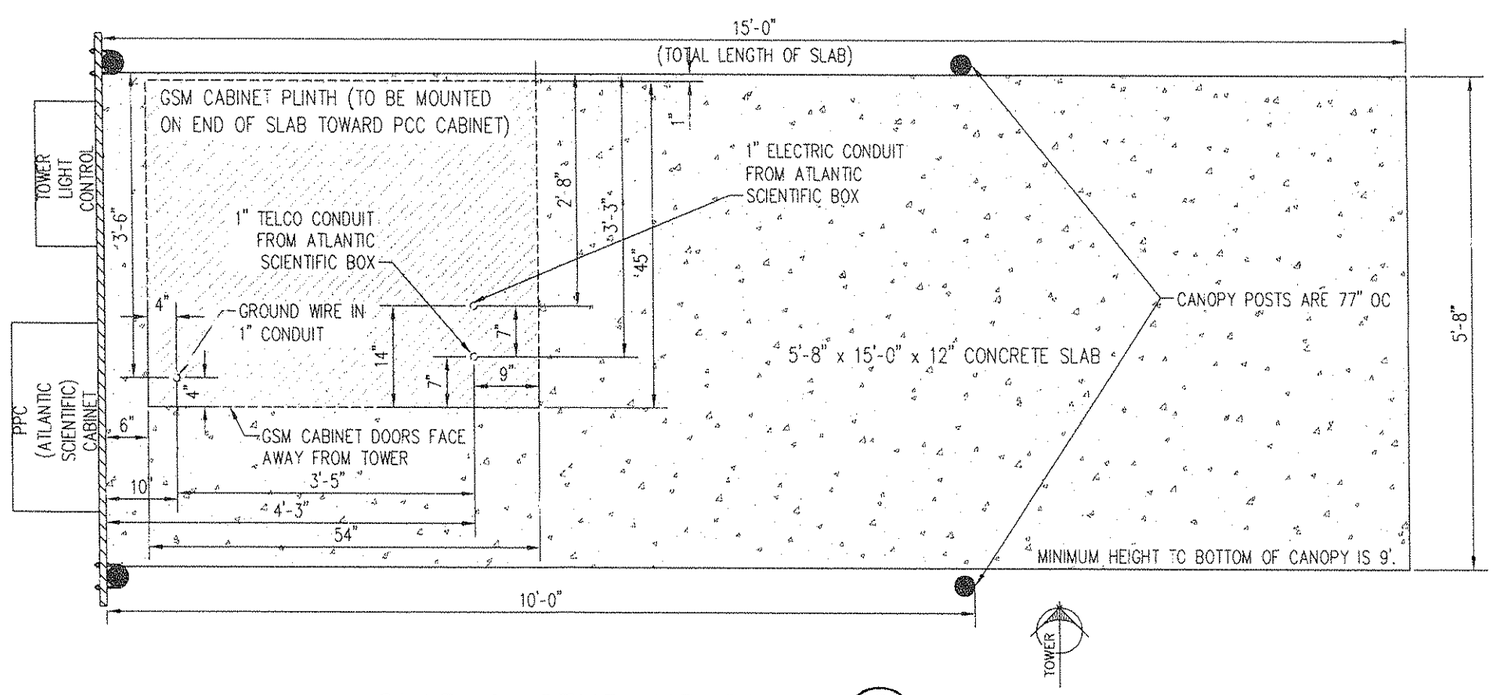
S1



SECTION A
N.T.S.
S2



SECTION E
N.T.S.
S2



SLAB & STUB-UP DETAIL C
SCALE = 1"=2'
S2

POTESTA
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E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

STRUCTURAL, FOUNDATION, & SLAB DETAILS

	DATE
DESIGNED BLB	04/26/06
DRAWN SAB	04/26/06
CHECKED	

JOB NO.
06-0035-013

S2

GENERAL NOTES – ELECTRIC WORK

A. WORK INCLUDED:

THIS SPECIFICATION AND ACCOMPANYING DRAWINGS CONTEMPLATE THE PROVISIONS AND INSTALLATION, BY THE ELECTRICAL CONTRACTOR OF ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO INSTALL THE ELECTRICAL WORK COMPLETE IN CONNECTION WITH THIS AMERICAN CELLULAR SYSTEMS SITE AND SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

1. THE PROVISIONS, INSTALLATION AND CONNECTION OF A GROUNDING ELECTRODE SYSTEM COMPLETE WITH A EQUIPMENT CABINET AND SECONDARY GROUNDING, EX. TOWER GROUNDING AND CONNECTIONS TO THE INCOMING ELECTRICAL DISTRIBUTION EQUIPMENT.

2. THE PROVISIONS AND INSTALLATION OF AN ELECTRICAL SERVICE AND ALL ASSOCIATED WIRE AND CONDUIT AS REQUIRED AND/OR INDICATED ON PLANS.

3. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC. (UNLESS OTHERWISE NOTED).

4. ALL SPARE CONDUITS SHALL BE LEFT WITH PULL WIRE FOR FUTURE USE. STUB BOTH ENDS OF SPARE CONDUIT UP AT 12" ABOVE FINISHED GRADE. INSTALL PLUGS AT BOTH ENDS OF SPARE CONDUITS.

5. THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL SERVICE ENTRANCE CONDUCTORS AND CONDUIT AND MAKE THE CONNECTION TO THE SERVICE EQUIPMENT WITHIN THE EQUIPMENT CABINET.

6. THE CONTRACTOR SHALL FURNISH AND INSTALL 200# TEST PULL LINE IN ALL SPARE CONDUIT.

7. CONTRACTOR SHALL NOTIFY ELECTRIC AND TELEPHONE SERVICES CONTACT AT START OF CONSTRUCTION.

8. ABOVE GRADE RISER CONDUIT SHALL BE GALVANIZED STEEL WITH MATCHING FITTINGS.

9. THE CONTRACTOR SHALL PERFORM ALL WORK SHOWN ON THE EQUIPMENT DRAWINGS NOTED "FIELD WORK" OR OTHERWISE NOTED AS WIRING TO BE COMPLETED IN THE FIELD.

10. ALL WIRE SHALL BE (COPPER, 600V THHW, 90°C) UNLESS NOTED OTHERWISE.

11. CONTRACTOR SHALL MAINTAIN THE DISTANCE OF 12" BETWEEN EXISTING/NEW TELCO & ELECTRIC CONDUITS UNLESS NOTED OTHERWISE.

12. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF GROUNDING PRIOR TO TRENCHING.

B. CODES, PERMITS AND FEES:

1. ALL REQUIRED PERMITS, LICENSES, INSPECTIONS AND APPROVALS SHALL BE SECURED AND ALL FEES FOR SAME PAID BY CONTRACTOR.

2. THE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES; STATE, LOCAL AND NATIONAL, AND THE DESIGN, PERFORMANCE CHARACTERISTICS AND METHODS OF CONSTRUCTION OF ALL ITEMS AND EQUIPMENT, SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF THE VARIOUS APPLICABLE STANDARD SPECIFICATIONS OF THE FOLLOWING RECOGNIZED AUTHORITIES:

A.N.C.I. – AMERICAN NATIONAL STANDARDS INSTITUTE
I.E.E.E. – INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
N.E.C. – NATIONAL ELECTRIC CODE
N.E.M.A. – NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N.F.P.A. – NATIONAL FIRE PROTECTION ASSOCIATION
U.L. – UNDERWRITERS LABORATORIES, INC.

3. THE CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN THE STATE, CITY OR COUNTY OF THE PROJECT SITE AS REQUIRED.

C. GROUNDING ELECTRODE SYSTEM

1. CONNECTIONS
ALL GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL), UNLESS OTHERWISE SHOWN. CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, TEE's, X's, ETC. ALL CABLE TO GROUND RODS, GROUND ROD SPLICES AND LIGHTNING PROTECTION SYSTEM AS INDICATED. ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE BY "CADWELD" AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND PROCEDURES.

2. GROUND RODS
ALL GROUND RODS SHALL BE 5/8" DIAMETER x 8'-0" LONG (MIN.) STAINLESS STEEL OR COPPER CLAD STEEL "COPPERWELD" OR APPROVED EQUAL OF THE NUMBER AND AT LOCATIONS INDICATED; GROUND RODS SHALL BE DRIVEN FULL LENGTH VERTICAL IN UNDISTURBED EARTH SO THAT THE TOP IS 42" BELOW FINISHED GRADE. ALL GROUND RODS SHALL BE AT LEAST 10' APART UNLESS OTHERWISE NOTED.

3. GROUNDING LEADS
ALL GROUND LEADS TO BURIED GROUND RINGS SHALL BE #2 AWG TINNED SOLID COPPER, COIL 5' OF #2 AWG TINNED SOLID COPPER AT EACH EQUIPMENT CABINET, COAX ENTRY GROUND BAR, PIPE BRIDGE SUPPORT FOUNDATIONS AND TOWER FOUNDATIONS FOR TERMINATION BY ELECTRICAL CONTRACTOR. AFTER CABINET INSTALLATION, ELECTRICAL CONTRACTOR SHALL SPLICE GROUND RING LEAD TO #2 AWG INSULATED STRANDED COPPER WIRE SUPPLIED WITH CABINET.

4. GROUND RING
THE GROUND RING ENCIRCLING THE EQUIPMENT PAD SHALL BE #2 AWG TINNED SOLID COPPER CABLE IN DIRECT CONTACT WITH THE EARTH AT A DEPTH OF NOT LESS THAN 42". CONDUCTOR BENDS SHALL HAVE A MINIMUM RADIUS OF 12". MAINTAIN 2' CLEAR OF FOUNDATIONS.

5. BACKFILL
NON-CORROSIVE, LOW RESISTIVITY MATERIAL FREE OF STONE, DEBRIS, ETC. AND TAMPED DOWN THOROUGHLY IN LAYERS NOT EXCEEDING SIX (6) INCHES IN DEPTH, TO AT LEAST 95% OF ORIGINAL DENSITY BEFORE EXCAVATION.

6. MISCELLANEOUS
ALL EXTERIOR METAL SHALL BE CONNECTED TO THE GROUNDING SYSTEM WITH HIGH PRESSURE 2-BOLT LUG BY BURNDY OR BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL) AS APPLICABLE. ALL OTHER CONNECTIONS FOR THE GROUND GRID SYSTEM SHALL BE MADE BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL), AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND PROCEDURES. ALL MECHANICAL FASTENERS CONNECTIONS TO ALL GROUND BARS SHALL BE LUBRICATED WITH A CORROSION INHIBITER THOMAS AND BETTS KOPR – SHIELD.

7. UTILITY COMPANY COORDINATION
ELECTRICAL CONTRACTOR SHALL COMPLETE ALL WORK IN ACCORDANCE WITH THE RULES OF THE LOCAL UTILITY COMPANY. BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES SUPPLYING SERVICE TO THIS PROJECT AND SHALL DETERMINE FROM THEM ALL EQUIPMENT AND CHARGES WHICH THEY WILL REQUIRE AND SHALL INCLUDE THE COST IN HIS BID WHENEVER POSSIBLE.

D. GROUND TEST
GROUND TESTS SHALL BE PERFORMED UTILIZING A BIDDLE GROUND OHMER OR THE METHOD OF USING TWO AUXILIARY GROUND RODS (AS DESCRIBED IN I.E.E.E. STANDARD No. 550, PARAGRAPH 3.4.2) MAY BE USED. THE I.E.E.E. METHOD REQUIRES THE USE OF AN A.C. TEST CURRENT. THE AUXILIARY TEST RODS MUST BE SUFFICIENTLY FAR AWAY FROM THE ROD UNDER TEST SO THAT THE REGIONS IN WHICH THEIR RESISTANCE IS LOCATED, DO NOT OVERLAP. CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO EXISTING OR NEW GROUNDING.

D. TESTING

1. ALL TEST SHALL BE PERFORMED BY AUTHORIZED AND QUALIFIED PERSONNEL.

2. CONTRACTOR SHALL CONDUCT GROUND RESISTANCE TEST IN THE FORMAT AS FOLLOWS: PERFORM TEST WITH THE GROUND RODS CONNECTED, WITH DRY SOIL AND WHEN NO STANDING WATER HAS BEEN PRESENT FOR THE PAST TEN DAYS. IF THE RESISTANCE OF THE ENTIRE SYSTEM EXCEEDS 5 OHMS, THE ELECTRICAL CONTRACTOR AND OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED SO THAT EITHER ADDITIONAL AND/OR DEEPER RODS CAN BE INSTALLED.

3. THE CONTRACTOR SHALL CALL AN AMERICAN CELLULAR REPRESENTATIVE FOR INSPECTION OF THE GROUNDING SYSTEM 48 HOURS PRIOR TO ITS COMPLETION. THE SYSTEM SHALL BE LEFT UNCOVERED UNTIL APPROVED.

4. UPON COMPLETION OF THE GROUNDING SYSTEM, THE ELECTRICAL CONTRACTOR SHALL MEGGER TEST THE GROUNDING SYSTEM. THE MAXIMUM RESISTANCE LEVEL IS 5 OHMS. A COMPLETE WRITTEN REPORT SHALL BE SUBMITTED STATING ACTUAL RESISTANCE READING, LOCATION, DATE, TIME AND WEATHER CONDITIONS AND SOIL MOISTURE CONTENT. THE TEST EQUIPMENT USED SHALL BE IDENTIFIED BY MANUFACTURER, MODEL AND SERIAL NUMBERS. IF 5 OHMS IS EXCEEDED WITH CURRENT CONFIGURATION, ELECTRICAL CONTRACTOR SHALL SUBMIT A QUOTE TO LOWER RESISTANCE TO 5 OHMS OR LESS, TO AMERICAN CELLULAR SYSTEMS.

E. ELECTRICAL LOADS

1. THE EQUIPMENT IS SET UP FOR A 200 AMP, 120/240 VOLT, SINGLE PHASE, THREE WIRE ELECTRICAL SERVICE. THE TOTAL CONNECTED LOAD IS 10.1 KILOVOLT-AMPERES (KVA).

SPECIAL CONTRACTOR NOTES

NOTE 1:

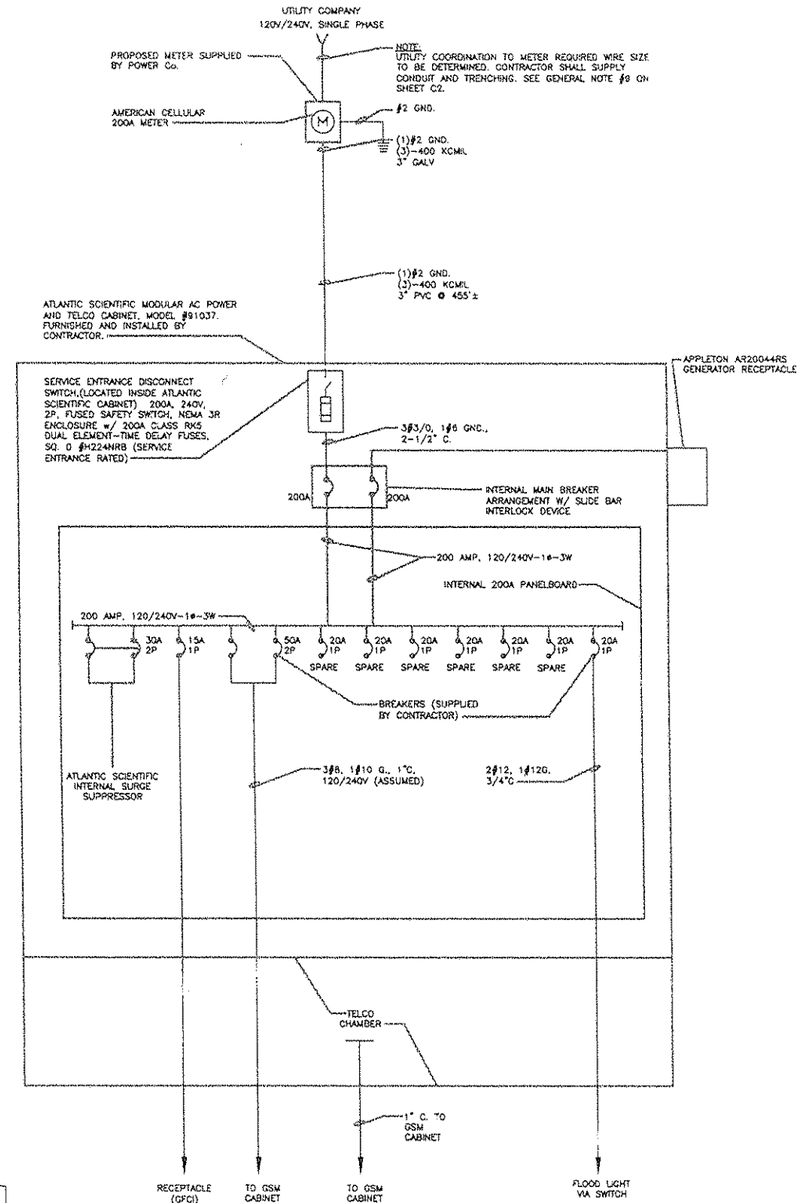
1. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF GROUNDING PRIOR TO TRENCHING.

2. IF EXISTING GROUND RING EXISTS, CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO EXISTING OR NEW GROUNDING.

NOTE 2:

1. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION.

2. CONTRACTOR SHALL HAND DIG IN THE VICINITY OF ALL EXISTING LINES.



NOTE:
1. ITEMS SHOWN DARK INDICATES NEW WORK
2. ITEMS SHOWN LIGHT ARE SUPPLIED WITH PANEL

SINGLE LINE DIAGRAM
NO SCALE

POTESTA
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REV.	DATE	DESCRIPTION

JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

SINGLE LINE DIAGRAM AND ELECTRICAL NOTES

	DATE
DESIGNED BLB	04/28/06
DRAWN SAB	04/28/06
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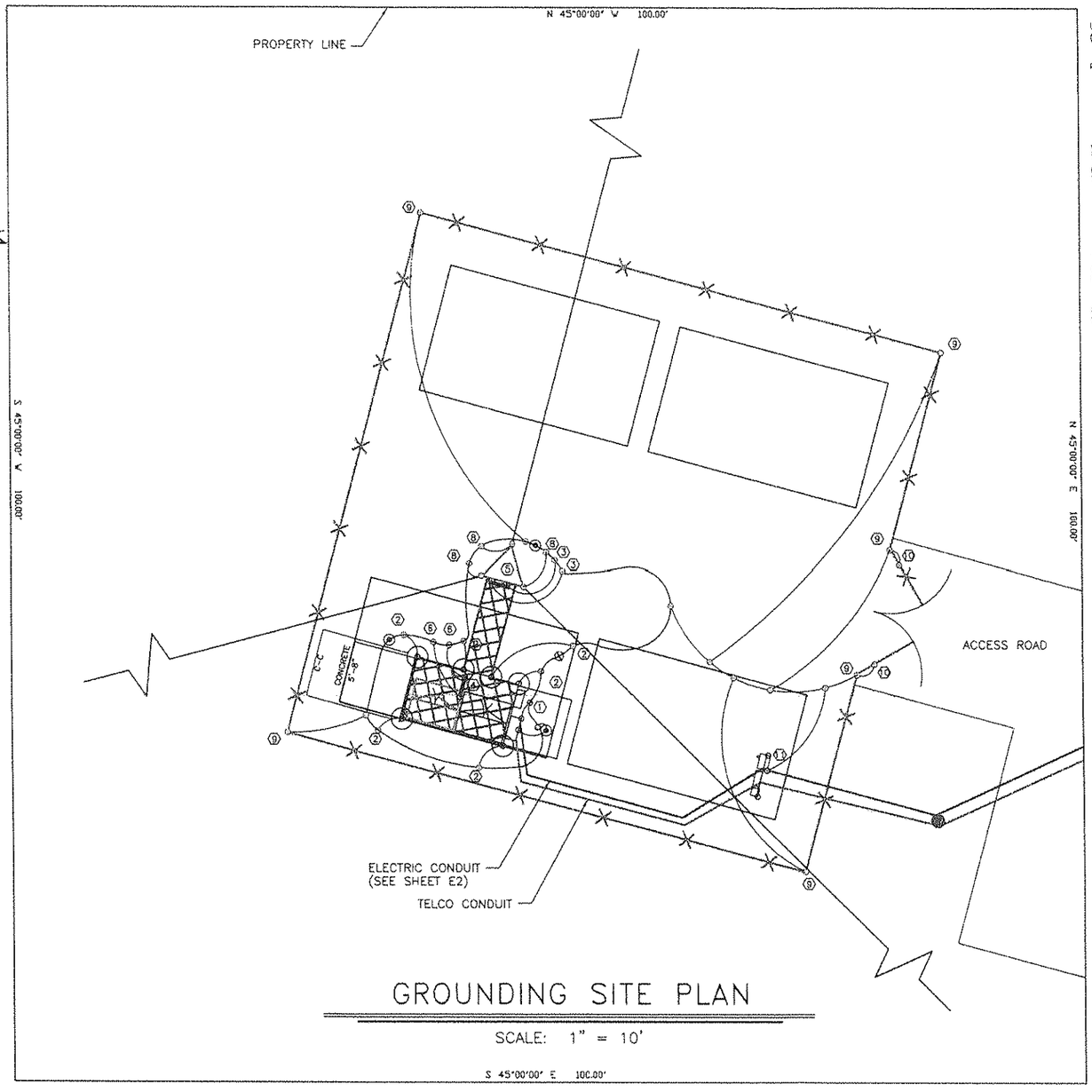
JOB NO. 06-0035-013

E1



GROUNDING SITE PLAN

SCALE: 1" = 10'

NOTE:
GROUND PLATES WITH TERRA FILL OR EQUIVALENT MAY BE SUBSTITUTED FOR GROUND RODS.

GROUNDING SITE PLAN

NTS

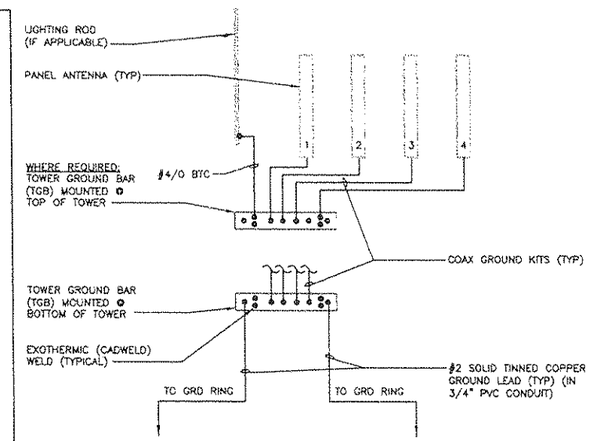
NORTH

GROUNDING LEGEND

BTC = BARE TINNED COPPER
1. GSM CABINET GROUND LEAD
2. ICE BRIDGE SUPPORT GROUND LEAD
3. GROUND LEADS TO TOWER GROUND BAR
4. MASTER GROUND BAR (SEE SHEET E3)
5. TOWER GROUND BAR (SEE SHEET E3)
6. GROUND LEADS TO MASTER GROUND BAR
7. POWER GROUND LEAD
8. DISCONNECT SW. GROUND
9. FENCE GROUND
10. GATE GROUND LEAD
11. PEDESTAL GROUND

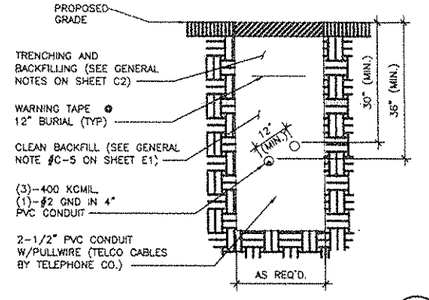
- GROUND ROD (TYPICAL)
- TEST WELL (TYPICAL)
- EXOTHERMIC WELD
- GROUND BAR (TYP.)

NOTE:
ALL #2 AWG BTC CONDUCTORS SHALL BE EXOTHERMIC WELD TO GROUND BARS. COMPRESSION LUGS ARE NOT ACCEPTABLE ON SOLID CONNECTORS.



GROUNDING RISER DIAGRAM

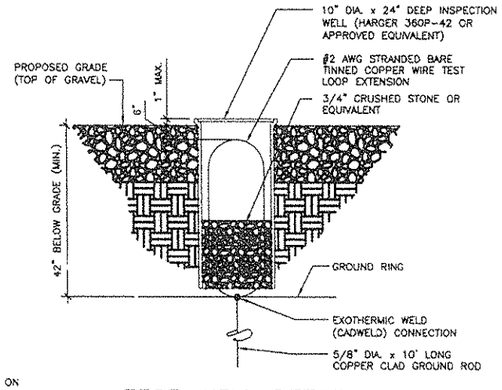
N. T. S.



TRENCH SECTION

A / E2

N. T. S.



TEST WELL DETAIL

N. T. S.

POTESTA
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REV.	DATE	DESCRIPTION

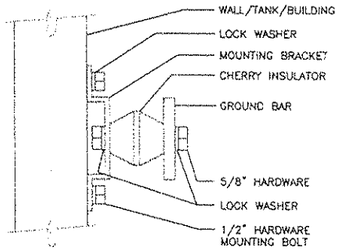
JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

GROUNDING SITE PLAN AND GROUNDING RISER DIAGRAM

	DATE
DESIGNED BLB	04/26/06
DRAWN SAB	04/26/06
CHECKED	

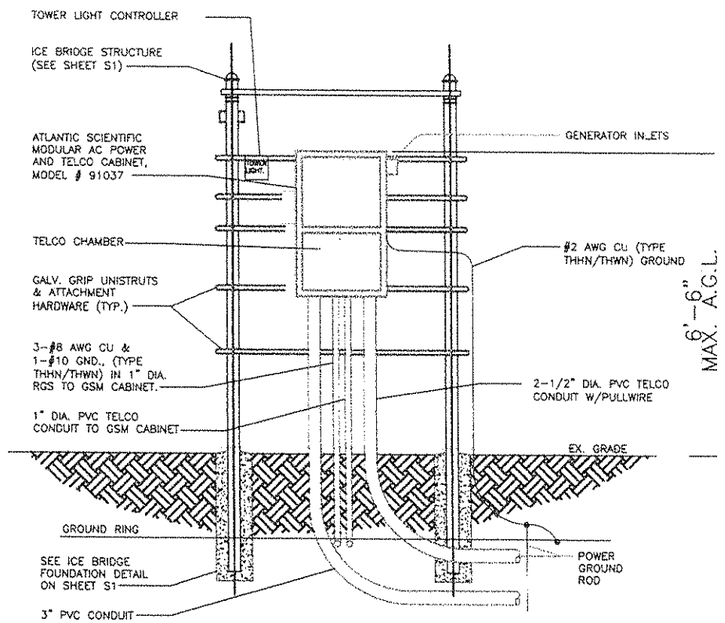
JOB NO. 06-0035-013

E2



GROUND BAR MOUNTING

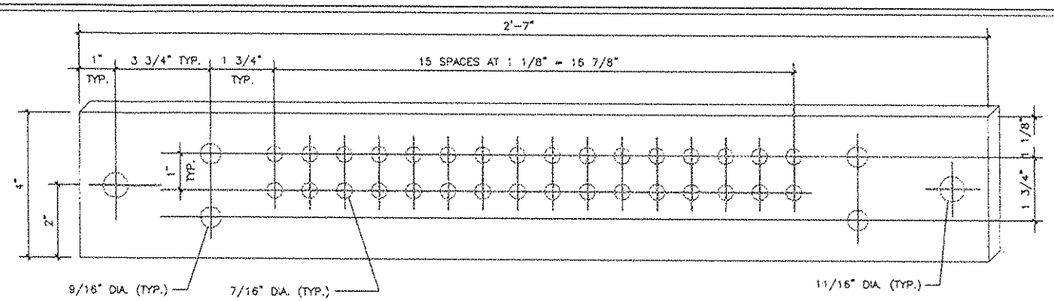
SCALE: N. T. S.



H-FRAME (FRONT VIEW)

SCALE: N. T. S.

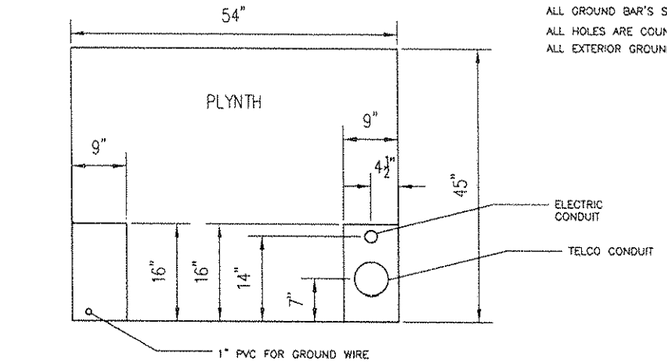
NOTE:
CONTRACTOR SHALL COORDINATE W/LOCAL POWER CO. ON ALL REQUIREMENTS OF INSTALLATION OF CONDUITS. (FINAL CONNECTIONS BY POWER CO.)



MASTER & TOWER GROUND BAR (MGB &TGB)

SCALE: N. T. S.

ALL GROUND BAR'S SHALL BE CONSTRUCTED FROM 1/4" THICK COPPER PLATE
ALL HOLES ARE COUNTERSUNK 1/16"
ALL EXTERIOR GROUND BARS SHALL BE TIN PLATED

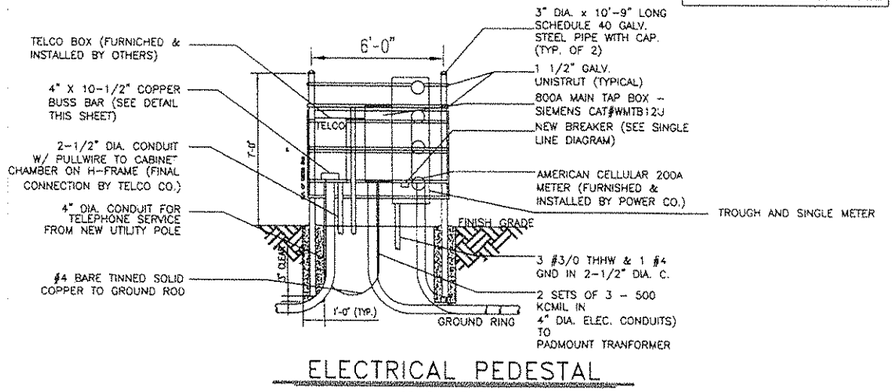


CONDUIT ENTRANCE DETAIL

SCALE: N. T. S.

CONDUIT ENTRANCE NOTES:

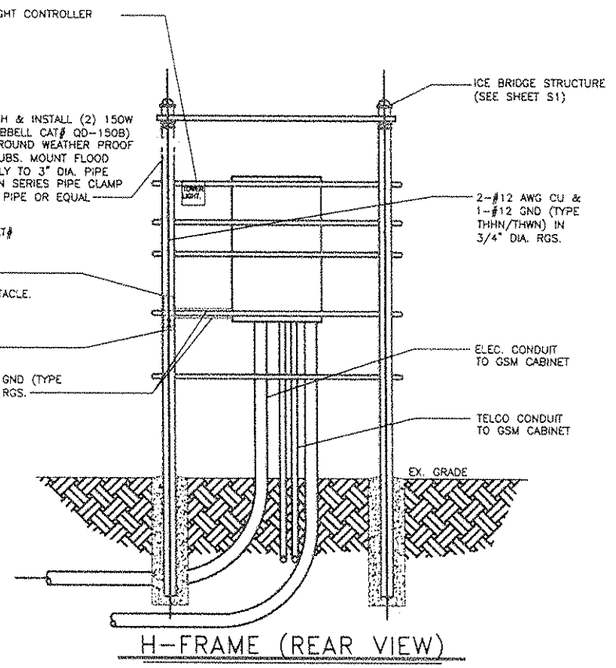
1. CONDUITS NEED TO STUB UP IN 9" X 16" SPACE (AS SHOWN)
2. GROUND SHOULD BE PLACED AS SHOWN FOR BEST ROUTE TO GROUNDING BAR
3. POWER CONDUIT CHANGES TO FLEX CONDUIT JUST ABOVE TOP OF PAD
4. CONDUITS CUT OFF AT 2" ABOVE PAD
5. USE #2 BARE TIN COPPER FOR GROUNDING CONDUCTORS



ELECTRICAL PEDESTAL

SCALE: N. T. S.

NOTE:
ALL ITEMS SHALL BE FURNISHED & INSTALLED BY ELECTRICAL CONTRACTOR (E.C.) UNLESS NOTED OTHERWISE.



H-FRAME (REAR VIEW)

SCALE: N. T. S.

POTESTA
Potesta & Associates, Inc.
ENGINEERS AND ENVIRONMENTAL CONSULTANTS
125 Lakeview Drive, Morgantown, WV 26508
TEL: (304) 225-2246 FAX: (304) 225-2246
E-Mail Address: potesta@potesta.com

REV.	DATE	DESCRIPTION

JOHNSON CREEK
1188 CONNECTOR RD
EWING, KY 41039

ELECTRICAL DETAILS

	DATE
DESIGNED BLB	04/26/06
DRAWN SAB	04/26/06
CHECKED	

JOB NO.
06-0035-013

E3

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

IN THE MATTER OF:

Case 2006-00106

APPLICATION OF SHARED SITES, LLC.)
AND AMERICAN CELLULAR CORPORATION)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVIENENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY AT)
1602 CONNECTOR ROAD)
EWING, KENTUCKY 41039)
IN THE WIRELESS COMMUNICATIONS LICENSE AREA)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF FLEMING)

SITE NAME: JOHNSON CREEK
SITE NUMBER:

* * * * * * *

~~UNIFORM APPLICATION: CONFIDENTIAL AND PROPRIETARY~~

Shared Sites, LLC. ("Shared Sites"), as ultimate owner, and American Cellular Corporation ("Provider") as a licensed public utility in the Commonwealth of Kentucky, hereinafter jointly referred to as "Applicants", respectfully submit their Application for a Certificate of Public Convenience and Necessity from the Public Service Commission to construct, maintain, and operate a Wireless Communications Facility ("WCF") to serve the customers of the Provider with wireless and telecommunications services, and other wireless service provider collocations in the area described herein.

In support of this Application, the Applicants respectfully provide and state the following information:

1. The complete names and addresses of the Applicants are:

Shared Sites, LLC., a Kentucky Limited Liability Company, having a mailing address of 1390 Chain Bridge Road #40, McLean, Virginia 22101 (703) 893-0806.

American Cellular Corporation, a Delaware Corporation, 3910 South Ave. Youngstown, OH 44512, 73134 having a local address of 124 South Keeneland Drive, Suite 1, Richmond, KY 40475, (606) 544-2355.

2. Shared Sites constructs, owns, manages, maintains, and operates independent communications networks. Shared Sites owns and manages safe, clean and well maintained facilities. Shared Sites facilities do not generate smoke, odors, noise, noxious gases, vibrations, or traffic increase. Shared Sites facilities will not pollute air, soil, or water, nor will they adversely affect radio or television reception or transmission. A certified copy of the Certificate of a Limited Liability Company issued by the Secretary of State of the State of West Virginia and a copy of the application for a Certificate of Authorization which was sent to the Secretary of State of the Commonwealth of Kentucky for Shared Sites, LLC. are attached or described as part of **Exhibit A.** A copy of the Certificate of Authorization issued by the Secretary of State of the Commonwealth of Kentucky and a copy of the Certificate of Merger issued by the Secretary of State of the State of Delaware for the Provider are attached or described as part of **Exhibit B.**

3. After completion of the proposed WCF, Shared Sites will lease or license space on said tower and the surrounding site so the Provider may locate and operate its facility including all required antennas and appurtenances. The proposed WCF will serve an area completely within the Provider's Federal Communications Commission ("FCC")

licensed service area in the Commonwealth of Kentucky. The Provider is authorized to provide wireless service by the FCC and the PSC. A copy of the Provider's FCC license to provide wireless service is attached to this Application or described as part of **Exhibit C.** Shared Sites has located the proposed site in a manner such that other wireless communications service providers will desire to collocate on said tower, and will endeavor to provide all necessary facilities to make collocation attractive to them.

4. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring the Provider's services to an area currently not served or not adequately served by the Provider and will thereby enhance the public's access to innovative and competitive wireless telecommunications services. The WCF will provide a necessary link in the Provider's telecommunications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications licensed area. The WCF is an integral link in the Provider's network design that must be in place to cover the proposed service area.

5. Shared Sites' construction of the described WCF is desirable because it allows for the collocation of additional wireless service providers within this portion of the Kentucky wireless communications licensed area. These services may include telecommunications, wireless data transfer and internet services, wireless cable, paging systems, 911 service, and other new products currently being developed in the wireless industry. In addition, the WCF will be available for use by governmental agencies and providers of emergency services. The WCF will provide a necessary link in Shared Sites' and the Provider's wireless infrastructure networks, and Shared Sites, as part of it's business structure, will diligently pursue and encourage other wireless providers to collocate on the WCF. These services will provide increased competition in the in the local

Kentucky telecommunications market, which will, in turn, promote competitive pricing, quality, and coverage options to users of telecommunications services in this area. Shared Sites' vested interest in the collocation of wireless service providers promotes the same goals for the local consumers.

6. The Applicants propose to construct a WCF at 1602 Connector Road, Ewing, KY 41039 (38-28-0.57 North latitude, 83-54-19.13 West longitude). In an area located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Larry Buchanan. The proposed WCF will consist of a 280 foot guyed tower with an approximately 6-foot lightning arrester attached to the top, for a total height of 286 feet. The WCF will also include concrete foundations to accommodate the placement of the Provider's proprietary radio electronics equipment. The equipment will be housed in a prefabricated cabinet or shelter that will contain: (i) the transmitting and receiving equipment required to connect the WCF with the Provider's users in Kentucky, (ii) telephone lines that will link the WCF with the Provider's other facilities, (iii) battery back-up that will allow the Provider to operate even after a loss of outside power, and (iv) all other necessary appurtenances. The Provider's equipment cabinet or shelter will be approved for use in the commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit D** and **Exhibit E.** Periodic inspections will be performed on the WCF in accordance with the applicable regulations or requirements of the PSC. The list of competing utilities, corporations, or persons is attached as **Exhibit F.**

7. Reduced copies of the site development plan have been included as **Exhibit D** and **Exhibit E** of this application. A vertical profile sketch of the WCF signed and sealed

by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of the provider and future antenna mounts, has also been included as part of **Exhibit E**. Foundation design plans and a description of the standards according to which the tower was designed signed and sealed by a professional engineer registered in Kentucky is included as part of **Exhibit D**.

8. The Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have concluded there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to collocate. The Applicants have attempted to collocate on suitable existing structures such as telecommunications towers or other suitable structures capable of supporting the Provider's facilities. No other suitable and available collocation site was found to be located in the vicinity of the site. Information regarding the Applicants' efforts to achieve collocation in the vicinity are presented as **Exhibit G**.

9. The Applicants have conducted a preliminary aeronautical evaluation for the proposed WCF. The evaluation determined that the proposed structure height at this site meets Federal Aviation Administration ("FAA") Regulation requirements. Furthermore, FAA notice is required for the proposed construction, and lighting or marking requirements may be applicable to this facility. A copy of the FAA Application is attached as **Exhibit H**. Upon receiving a "Determination" from the FAA, the Applicants will forward a copy as a supplement to this Application Proceeding

10. A copy of the Kentucky Airport Zoning Commission ("KAZC") Application for the proposed WCF is attached as **Exhibit I**. Upon receiving authorization from the KAZC,

the Applicants will forward a copy of the determination as a supplement to this Application Proceeding

11. The WCF will be registered with the FCC pursuant to applicable federal requirements. Appropriate required signage will be posted on this site upon receipt of the tower registration number.

12. A geotechnical-engineering firm has performed soil boring(s) and subsequent geotechnical-engineering studies at the WCF site under the supervision of a professional engineer registered in the Commonwealth of Kentucky who specializes in geotechnical engineering, including subsurface exploration. The geotechnical-engineering firm has performed many such studies for the communications industry. A copy of the geotechnical-engineering report and evaluation signed and sealed by a professional engineer registered in the Commonwealth of Kentucky who specializes in geotechnical engineering, including subsurface exploration, is attached as **Exhibit J**. The name and address of the geotechnical-engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included in **Exhibit J**.

13. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit K**. The name and address of the preparer of **Exhibit K** is included in **Exhibit K**.

14. Shared Sites, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit L**. Also included as part of **Exhibit L** is the portion of the full agreement demonstrating that in the case of abandonment a method is provided to dismantle and remove the cellular antenna tower .

15. Personnel directly responsible for the design and construction of the proposed WCF are well-qualified and experienced. World Tower Company, Inc. (the Tower Manufacturer) performed the tower and foundation design. The Tower Manufacturer is a nationally recognized manufacturer and designer of communication towers. The Tower Manufacturer has designed and installed communications towers throughout North America. The Tower Manufacturer has assigned S. M. Naeem Akhter, a professional engineer registered in the commonwealth of Kentucky to design the Tower for the WCF. This engineer specializes in the design and engineering of guyed, self support and monopole structures, and has extensive experience in the design and construction of projects similar to the Applicants'. These projects include the design of towers and the requires foundations of many other wireless facilities. All of the designs have been signed and sealed by S. M. Naeem Akhter. The construction of the proposed WCF will be performed by Shared Sites or their agents who are insured and experienced tower erection specialists. The Project Manager, David Jantzi, will manage the construction of the WCF and the tower erection. David has been erecting towers for the telecommunications industry for over 15 years. All tower designs will meet or exceed applicable laws and regulations.

16. Based on a review of Federal Emergency Management Agency Flood Insurance Rate Maps, the registered land surveyor has certified in **Exhibit M** that the proposed WCF is not located within any flood hazard area.

17. The possibility of high winds has been considered in the design of this tower. The tower has been designed and engineered by professional engineers using computer assistance and the same accepted codes and standards as are typically used for high-rise building construction. The tower has been designed to withstand a wind loading of 70

m.p.h. with ½ inch of radial ice. This tower has been designed in accordance with the Electronic Industries Association ("EIA") 222-F 1996 Standards, which have been accepted and approved by ANSI and is a nationally recognized tower design standard. Similarly, the proposed WCF design has been developed with consideration of potential ground shaking based on a negligible seismic zone of 1. Seismic loading is regarded as secondary to the wind loading.

18. The site development plan signed and sealed by a professional engineer registered in Kentucky was prepared by David B. Sharp, and was designed from a survey performed by Mike McKinney. This site development plan is drawn to a scale of no less than one (1) inch equals 200 feet, and identifies every owner of real estate within 500 feet of the proposed tower (according to the Property Valuation Administrator) and is incorporated in the survey as part of **Exhibit E**. Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is incorporated in the survey as part of **Exhibit E**.

19. Shared Sites, on behalf of itself and the Provider, has notified every person who owns property within 500 feet of the proposed tower by certified mail, return receipt requested, of the proposed construction. Each property owner has been informed of their right to request intervention. A list of the nearby property owners who received the notices, together with copies of the certified letters, are attached as **Exhibit N** and **Exhibit O**, respectively.

20. Shared Sites, on behalf of itself and the Provider, has notified the Fleming County Judge Executive by certified mail, return receipt requested, of the proposed construction. This notice informed the Fleming County Judge Executive of his/her right to request intervention. A copy of this notice is attached as **Exhibit P**.

21. Two appropriate notice signs measuring at least two (2) feet in height and four (4) feet in width with all required language in letters of required height have been posted in a visible location on the proposed site and on the nearest public road and shall remain posted for at least two (2) weeks after filing of the Application. Copies of the postings are attached as **Exhibit Q**. The location of the proposed facility has been published in a newspaper of general circulation in the county where the WCF is located.

22. The property where WCF is proposed to be constructed is not zoned

23. The process that was used in selecting the site for the proposed WCF by the Applicants' radio frequency engineers was consistent with the process used for selecting generally all other existing and proposed WCF facilities within the proposed network design area. Before beginning the acquisition process, the Applicants carefully evaluated the location of the required WCF for possible collocation opportunities on existing structures. Radio Frequency Engineers used computer programs to evaluate the most effective coverage design for facilitating collocation potential on the proposed tower. Shared Sites and the Provider's radio frequency engineers have combined their efforts in order to develop a highly efficient network that is designed to serve the Federal Communications Commission licensed territory without extending beyond the Provider's approved boundary. The engineers selected the optimum vicinity in terms of elevation and location to provide the best quality service to customers in the service area. A proposed coverage area was considered by the Applicants when searching for sites that would provide both (i) the coverage deemed necessary by the Provider, and (ii) the coverage deemed necessary by Shared Sites to permit the integration of the proposed WCF into Shared Sites' overall network design. No suitable towers or existing structures were found in the immediate area

which would meet the technical requirements for this element of the telecommunications network. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site, pursuant to radio frequency requirements, be located is attached as **Exhibit R**.

24. A grid map showing the location of all existing cellular antenna towers that includes the general position of proposed construction sites for new cellular antenna towers within the Commission's jurisdiction and one-half mile outside the boundary of the planning unit's jurisdiction if that area contains either existing or proposed construction sites for cellular antenna towers is attached as **Exhibit S**.

25. All Exhibits to this application are hereby incorporated by reference as if fully set out as part of the Application.

26. All responses and requests associated with this Application may be directed to:

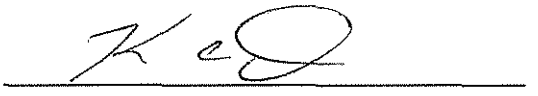
David Jantzi
Boulevard Properties, LLC
7383 Utica Blvd.
Lowville, NY 13367
Telephone: (315) 523-6258

And

Kamal Doshi
Shared Sites, LLC
1390 Chain Bridge Road #40
McLean, VA 22101

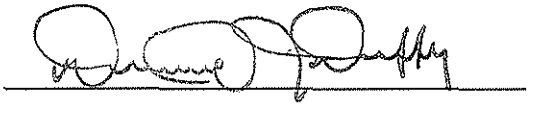
Wherefore, the applicants respectfully request that the PSC accept the foregoing Application for filing and having met the requirements of KRS 278.020 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convienence and Necessity to construct and operate the WCF at the location set forth herein for the respective networks in the commonwealth of Kentucky.

Respectfully submitted,



Kamal Doshi
Shared Sites, LLC
1390 Chain Bridge Road #40
McLean, Virginia 22101
Telephone: (703) 893-0806

And



Timothy J. Duffy
Chief Technical Officer / Senior Vice President
Network Operations & Engineering
American Cellular Corporation
14201 Wireless Way
Oklahoma City, OK 73134
(405) 529-8660

LIST OF EXHIBITS

A. Certificate of LLC from the State of West Virginia and Certificate of Authority from the Commonwealth of Kentucky for Shared Sites, LLC.

B. Certificate of Authorization from the State of Kentucky and Certificate of Merger from the State of Delaware for American Cellular Corporation

C. Copy of FCC license for American Cellular Corporation

D. Tower and Foundation Plan

E. Site Development Plan:

Vicinity Map
Property Owner Listing
500' Vicinity Map
Legal Descriptions
Site Plan
Vertical Tower Profile

F. Competing Utilities, Corporations, or Persons List

G. Collocation Report

H. Application to FAA

I. Application to Kentucky Airport Zoning Commission

J. Geotechnical report

K. Directions to WCF Site

L. Copy of Real Estate Agreement

M. Flood Plain Certification

N. Certification of Notification

O. Copy of Property Owner Notification

P. Copy of County Judge Executive Notice

Q. Copy of Posting Notices

R. Copy of Radio Frequency Design Search Area

S. Tower Map for Subject County

EXHIBIT A

CERTIFICATE OF LLC FROM THE STATE OF WEST VIRGINIA

AND

CERTIFICATE OF AUTHORITY FROM THE COMMONWEALTH OF KENTUCKY

FOR SHARED SITES, LLC

State of West Virginia

Certificate

I, Betty Ireland, Secretary of State of the State of West Virginia, hereby certify that

SHARED SITES, LLC

Control Number: 82134

has filed its "Articles of Organization" in my office according to the provisions of West Virginia Code §§31B-2-203 and 206. I hereby declare the organization to be registered as a limited liability company from its effective date of January 13, 2006 until the expiration of the term or termination of the company.

Therefore, I hereby issue this

CERTIFICATE OF A LIMITED LIABILITY COMPANY

Given under my hand and the Great Seal of the State of West Virginia on this day of January 13, 2006

Betty Ireland

Secretary of State

Commonwealth of Kentucky
Trey Grayson
Secretary of State

Certificate of Authorization

I, Trey Grayson, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

SHARED SITES, LLC

, a limited liability company organized under the laws of the state of West Virginia, is authorized to transact business in the Commonwealth of Kentucky and received the authority to transact business in Kentucky on February 24, 2006.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 275.190 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 19th day of March, 2006.

Certificate Number: 28229
Jurisdiction: Shared Sites, LLC (Boulevard Properties)
Visit http://apps.sos.ky.gov/business/obdb/certvalidate.aspx to validate the authenticity of this certificate.

Trey Grayson
Secretary of State
Commonwealth of Kentucky
28229/0633042

EXHIBIT B

CERTIFICATE OF AUTHORIZATION FROM THE COMMONWEALTH OF KENTUCKY

AND

CERTIFICATE OF MERGER FROM THE STATE OF DELAWARE

FOR AMERICAN CELLULAR CORPORATION

Commonwealth of Kentucky
Trey Grayson
Secretary of State

Certificate of Authorization

I, Trey Grayson, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

AMERICAN CELLULAR CORPORATION

, a corporation organized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on January 20, 2004.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 271B.16-220 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 13th day of February, 2006.

Certificate Number: 26879
Jurisdiction: Shared Sites, LLC
Visit http://apps.sos.ky.gov/business/obdb/certvalidate.aspx to validate the authenticity of this certificate.

Trey Grayson
Secretary of State
Commonwealth of Kentucky
26879/0576718

Delaware

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"ACC OF KENTUCKY LLC", A DELAWARE LIMITED LIABILITY COMPANY,

WITH AND INTO "AMERICAN CELLULAR CORPORATION" UNDER THE NAME OF "AMERICAN CELLULAR CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2003, AT 10:30 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2003, AT 11:30 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

2222565 8100M

030845574

AUTHENTICATION: 2856461

DATE: 01-07-04

EXHIBIT C

COPY OF FCC LICENSE FOR AMERICAN CELLULAR

Federal Communications Commission
Wireless Telecommunications Bureau
Radio Station Authorization

LICENSEE NAME: American Cellular Corporation

RONALD L. RIPLEY
AMERICAN CELLULAR CORPORATION
14201 WIRELESS WAY
OKLAHOMA CITY OK 73134

FCC Registration Number (FRN)	
0003767324	
Call Sign	**File Number**
KNKN939	0001571120
Radio Service	
CL - Cellular	
Market Number	**Channel Block**
CMA450	A
Sub-Market Designator	
0	

Market Name
Kentucky 8 - Mason

Grant Date	Effective Date	Expiration Date	Five Yr Build-Out Date	Print Date
10-30-2001	01-07-2004	10-01-2011		01-14-2004

SITE INFORMATION

Location	Lattitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	038-14-43.0 N	083-25-18.0 W	405.5	109.8	1042211

Address: 3300 Forestry Ridge Road
City: MOREHEAD — County: ROWAN — State: KY — Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT(meters)	191.000	192.000	206.000	200.000	224.000	288.000	234.000	214.000
Transmitting ERP(watts)	36.060	14.690	13.710	31.410	65.630	78.900	78.900	67.150

Location	Lattitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	038-01-26.0 N	083-57-08.0 W	317.9	68.6	1042213

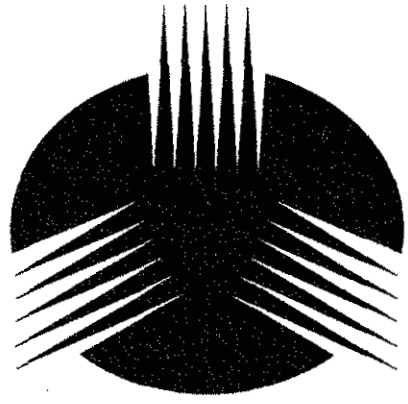
Address: 2122 LEVEE ROAD
City: MT. STERLING — County: MONTGOMERY — State: KY — Construction Deadline:

Antenna: 1 Azimuth (from true north)	0	45	90	135	180	225	270	315

Conditions:
Pursuant to Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. Section 309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. Section 310(d). This license is subject in terms to the right of use or control conferred by Section 706 of the Communications Act of 1934, as amended. See 47 U.S.C. Section 606.

EXHIBIT D

TOWER AND FOUNDATION DESIGN



WORLD TOWER
COMPANY, INC.

1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066
270.247.3642
Fax. 270. 247.0909
worldtower@worldtower.com
www.worldtower.com

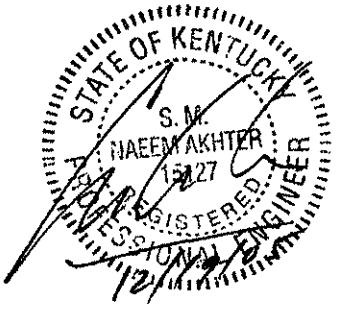
Fabrication, Installation, and Maintenance of TV, AM, FM, & Wireless Communications Towers

World Tower
COMPANY, INC.

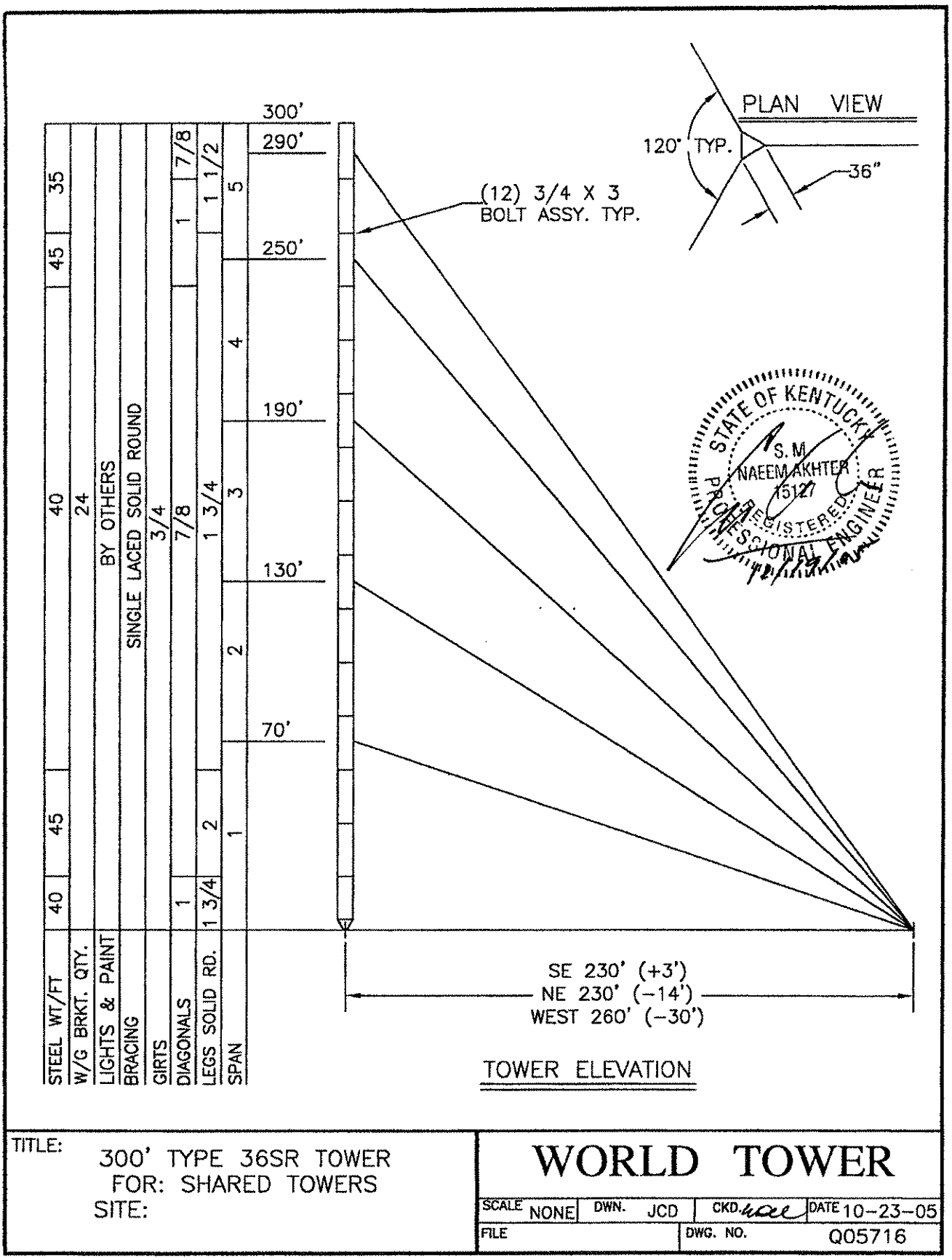
1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066
270-247-3642
FAX: 270-247-0909
E-mail: worldtower@worldtower.com
Web: www.worldtower.com

300' TYPE 36SR TOWER
FOR: SHARED TOWERS
SITE:

DESIGN PACKAGE



Fabrication, Installation, and Maintenance of TV, AM, FM, & Wireless Communications Towers



TITLE: 300' TYPE 36SR TOWER
FOR: SHARED TOWERS
SITE:

WORLD TOWER

SCALE	NONE	DWN.	JCD	CKD.		DATE	10-23-05
FILE		DWG. NO.		Q05716			

ANTENNAS

ELEV.	DESCRIPTION	LINE	AZIMUTH
297'	12- 6' X 1' X 3" PANEL ANTS. ON LO-PROFILE MNT.	12- 1 5/8	
290'	12- 6' X 1' X 3" PANEL ANTS. ON LO-PROFILE MNT.	12- 1 5/8	
280'	12- 6' X 1' X 3" PANEL ANTS. ON LO-PROFILE MNT.	12- 1 5/8	
270'	12- 6' X 1' X 3" PANEL ANTS. ON LO-PROFILE MNT.	12- 1 5/8	

REACTIONS

BASE			ANCHOR		
SHEAR	1.0	KIPS	RESULTANT	55.0	KIPS
COMPRESSION	123.0	KIPS	HORIZONTAL	41.0	KIPS
		KIPS	VERTICAL	37.0	KIPS

ELEV.	SIZE	BREAK STR.	INITIAL TENSION	CUT LENGTH			SHACKLE	THIMBLE	TURN BUCKLE
				SE	NE	WEST			
290'	9/16 EHS	35000	3500	397'	410'	441'	3/4	3/4	1 X 18
250'	9/16 EHS	35000	3500	367'	379'	411'	3/4	3/4	1 X 18
190'	1/2 EHS	26900	2700	325'	336'	369'	---	1/2	3/4 X 12
130'	7/16 EHS	20800	2100	292'	300'	334'	---	1/2	3/4 X 12
70'	3/8 EHS	15400	1500	268'	274'	307'		3/8	3/4 X 12

GENERAL NOTES

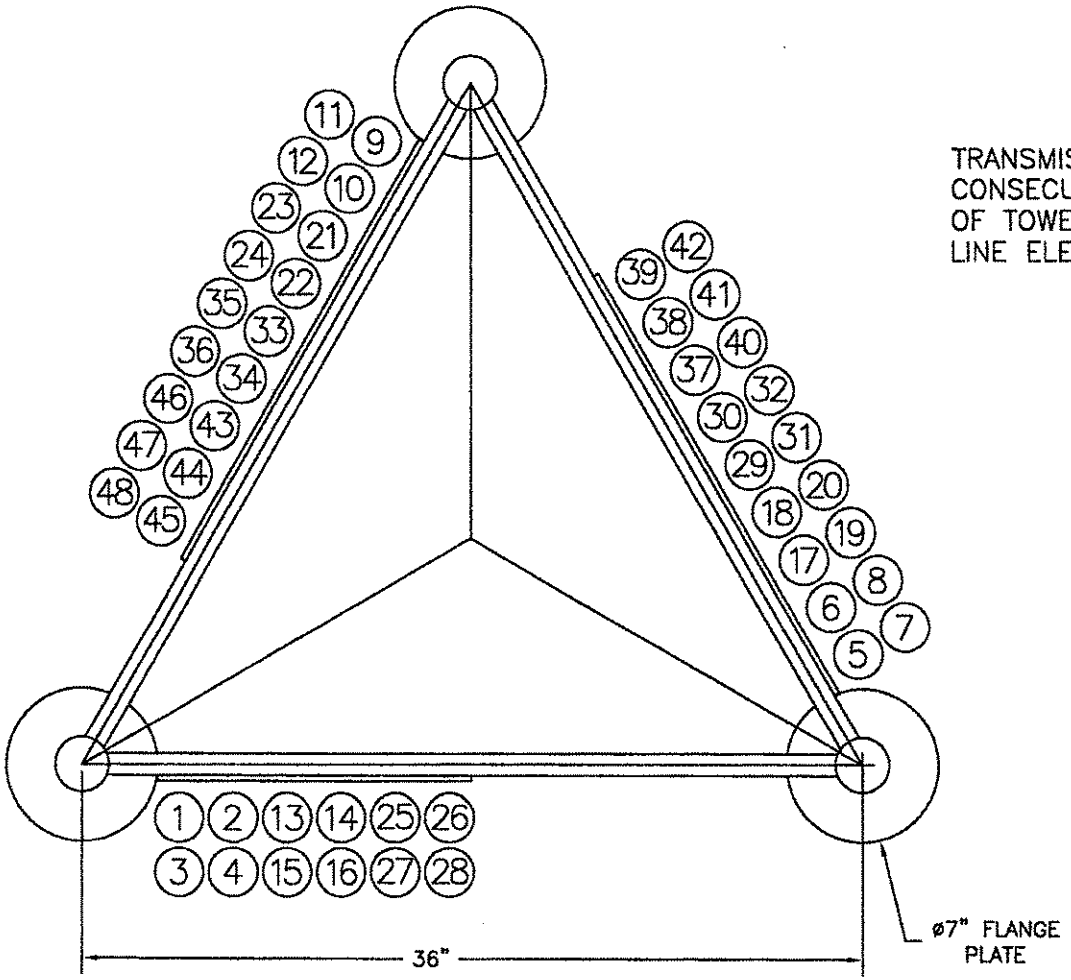
1. TOWER IS DESIGNED TO SUPPORT THE GIVEN LOADS AND MEET THE PROVISIONS OF TIA/EIA-222-F FOR A 70 MPH BASIC WIND SPEED WITH NO ICE OR 60.6 MPH WITH 1/2 ICE.
2. TOWER IS DESIGNED FOR ALL LINES TO BE MOUNTED ACCORDING TO DRAWING Q05716WG.
3. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS.D 1.1.
4. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
5. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
6. LEG STEEL IS 50 KSI MIN. YIELD SOLID ROUND AND BRACING STEEL IS 36 KSI MIN. YIELD SOLID ROUND.
7. ALL STRUCTURAL BOLTS ARE ASTM A325.
8. GUY LENGTHS SHOWN ARE CHORD LENGTHS PLUS 30'.
9. TOWER SECTIONS ARE NUMBERED CONSECUTIVELY FROM BASE TO TOP.
10. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA/EIA-222-F EVERY 3 YEARS.
11. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER @ 270-247-3642.

STATE OF KENTUCKY
S. M. NAEEM AKHTER
15127
REGISTERED
PROFESSIONAL ENGINEER
12/14/05

TITLE: 300' TYPE 36SR TOWER
FOR: SHARED TOWERS
SITE:

WORLD TOWER

SCALE	NONE	DWN.	JCD	CKD.		DATE	10-23-05
FILE				DWG. NO.	Q05716T		



TRANSMISSION LINES ARE NUMBERED CONSECUTIVELY FROM TOP TO BOTTOM OF TOWER. SEE DRAWING Q05716T FOR LINE ELEVATIONS.

STATE OF KENTUCKY
S. M. NAEEM AKHTER
16127
REGISTERED
PROFESSIONAL ENGINEER

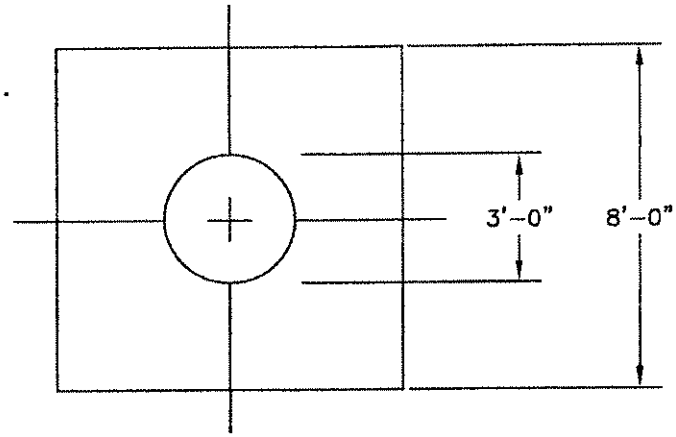
TITLE:
WAVEGUIDE LOCATION DETAILS
TOTAL 48 LINES
SITE:

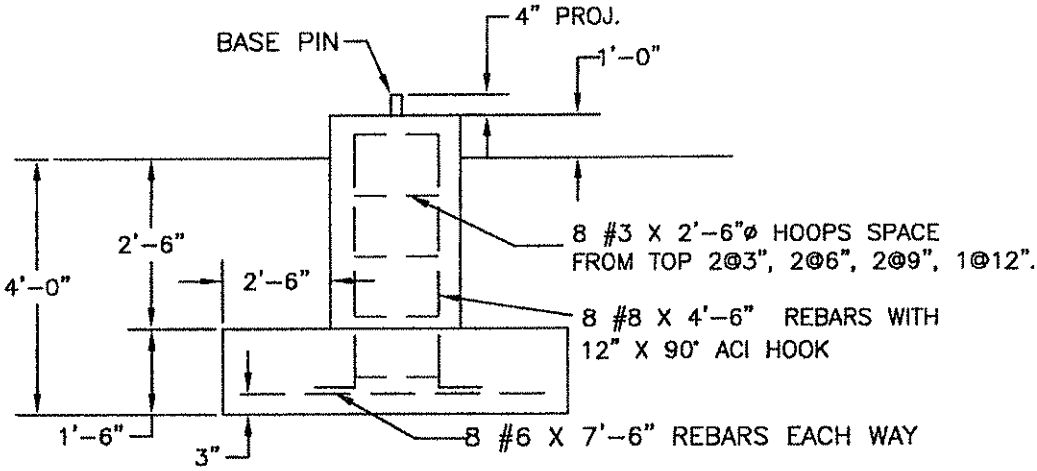
WORLD TOWER

SCALE	DWN.	CKD.	DATE
NONE	JCD		10-23-05

FILE	DWG. NO.
	Q05716WG

4.5 CU. YDS.
CONCRETE REQ'D.

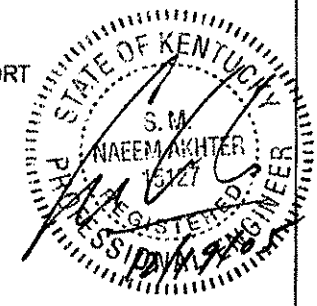




GENERAL NOTES

1. CONCRETE TO HAVE 3000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MIN. CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL REPORT NO. 05CN0189 BY ALT & WITZIG INC. DATED 6-8 2005.

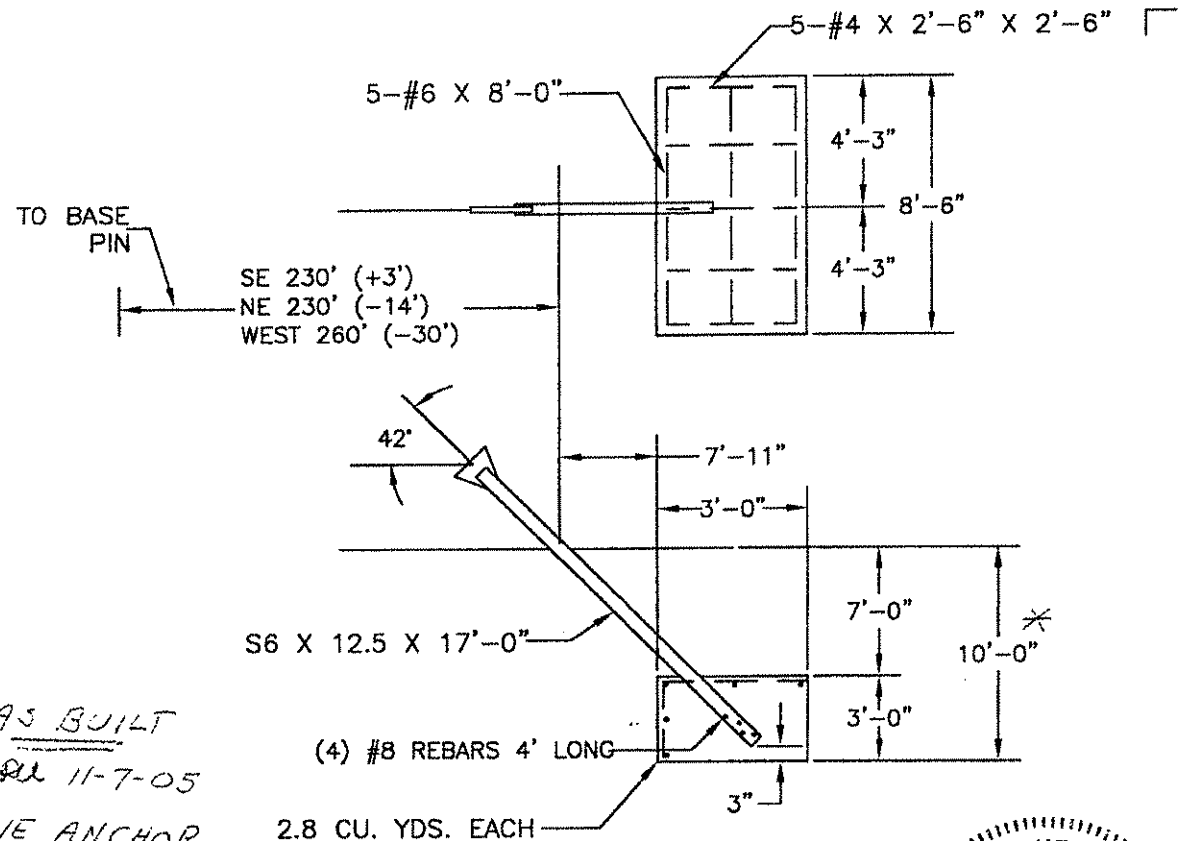
MAX REACTIONS		
SHEAR	1.0	KIPS
DOWNLOAD	123.0	KIPS



TITLE:
BASE DETAILS
300' TYPE 36SR TOWER
SITE:

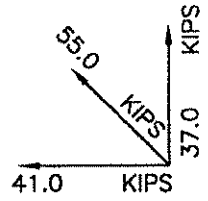
WORLD TOWER

SCALE	NONE	DWN.	JCD	CKD.		DATE	10-23-05
FILE				DWG. NO.	Q05716B		



AS BUILT
WRL 11-7-05
NE ANCHOR

* REFUSAL @ 8' DURING INSTALL. AS BUILT = 8' DEEP WITH 10'x16'x2' THK. ADDITIONAL BACKFILL. SLOPE TO DRAIN W/O EROSION.



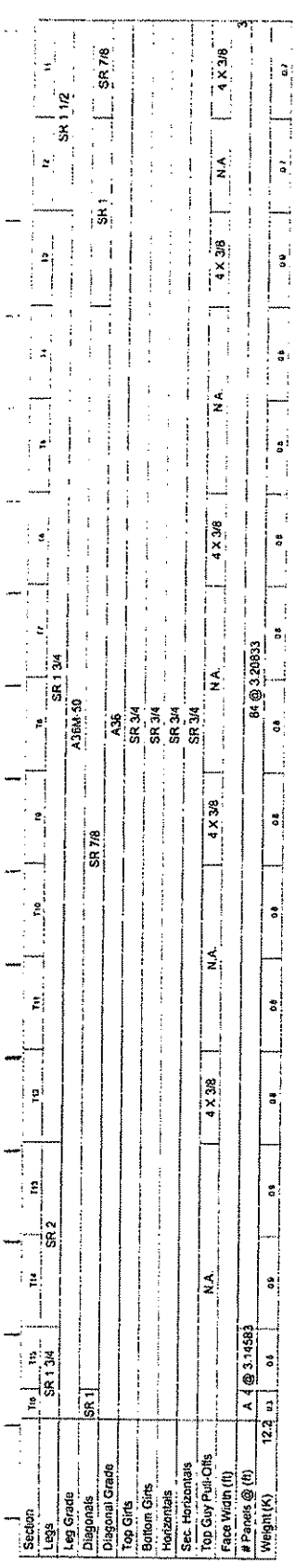
GENERAL NOTES

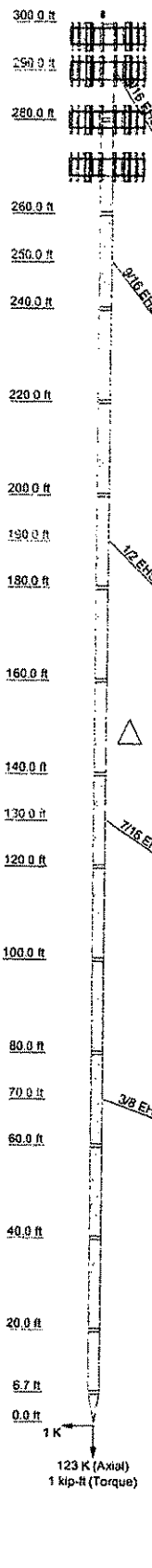
1. CONCRETE TO HAVE 3000 PSI MIN. COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. REINFORCEMENT STEEL IS DEFORMED AND MEETS THE REQUIREMENTS OF ASTM A615 GRADE 60.
3. CENTER LINE OF ANCHOR BEAM TO PASS THROUGH CENTROID OF BLOCK.
4. EMBEDDED STEEL TO HAVE A MIN. 3" COVER.
5. FOUNDATION DESIGN IS BASED ON CUSTOMER SUPPLIED SOIL REPORT NO. 05CN0189 BY ALT & WITZIG INC. DATED 6–8–2005.

TITLE:
ANCHOR DETAILS
300' TYPE 36SR TOWER
SITE:

WORLD TOWER

SCALE NONE	DWN. JCD	CKD. WRL	DATE 10–23–05
FILE		DWG. NO. Q05716A	





APPURTENANCES

TYPE	ELEVATION	TYPE	ELEVATION
Flash Beacon Lighting	300	WLP13X36 LO PROFILE MOUNT#	280
WLP13X36 LO PROFILE MOUNT#	297	(4) PANEL 6' X 1' X 3" X 30# *	280
(4) PANEL 6' X 1' X 3" X 30# *	297	(4) PANEL 6' X 1' X 3" X 30# *	280
(4) PANEL 6' X 1' X 3" X 30# *	297	(4) PANEL 6' X 1' X 3" X 30# *	280
(4) PANEL 6' X 1' X 3" X 30# *	297	WLP13X36 LO PROFILE MOUNT#	270
WLP13X36 LO PROFILE MOUNT#	290	(4) PANEL 6' X 1' X 3" X 30# *	270
(4) PANEL 6' X 1' X 3" X 30# *	290	(4) PANEL 6' X 1' X 3" X 30# *	270
(4) PANEL 6' X 1' X 3" X 30# *	290	(4) PANEL 6' X 1' X 3" X 30# *	270
(4) PANEL 6' X 1' X 3" X 30# *	290		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	2 @ 2.95833		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A36M-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

TOWER DESIGN NOTES

1. Tower designed for a 70.00 mph basic wind in accordance with the TIA/EIA-222-F Standard.
2. Tower is also designed for a 60.62 mph basic wind with 0.50 in ice.
3. TOWER RATING: 93.1%

WORLD TOWER CO 1213 COMPRESSOR DRIVE MAYFIELD, KY 42066 Phone: 270 247 3642 FAX: 270 247 0909	Job: *300' Type 36SR Site:*	
	Project: *Run# B510-110*	
	Client: Shared Towers	Drawn by: Bill Uphoff App'd: JCO
	Code: TIA/EIA-222-F	Date: 10/20/05 Scale: NTS
	Path: \\Server\server NERI TOWER FILES\B510-110.eri	Dwg No. E-1

EXHIBIT E

SITE DEVELOPMENT PLAN

VICINITY MAP
PROPERTY OWNER LISTING
500' VICINITY MAP
LEGAL DESCRIPTIONS
SITE PLAN
VERTICAL TOWER PROFILE