

Item # 39

**SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM**

(Continued from the 01/11/05 public hearing)

SUBJECT: Appeal of the Board of Adjustment approval of a (1) Special Exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances; (Richard and Jay Shirah/Spintcom, Inc, applicants).

DEPARTMENT: Planning & Development **DIVISION:** Planning
AUTHORIZED BY: Donald S. Fisher **CONTACT:** Kathy Fall **EXT:** 7389

Agenda Date 01-25-05 Regular Consent Work Session Briefing
Public Hearing – 1:30 Public Hearing – 7:00

MOTION/RECOMMENDATION:

1. **UPHOLD** the Board of Adjustment decision to approve the request for (1) Special Exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances from 582 feet to 60 feet, 582 feet to 230 feet, 582 feet to 270 feet, 582 feet to 450 feet and 582 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings; (Richard and Jay Shirah/Spintcom, Inc, applicants); or
2. **REVERSE** the Board of Adjustment decision to approve the request for (1) Special Exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances from 582 feet to 60 feet, 582 feet to 230 feet, 582 feet to 270 feet, 582 feet to 450 feet and 582 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings; (Richard and Jay Shirah/Spintcom, inc, applicants); or
3. **CONTINUE** the request to a time and date certain.

Commissioner District #2, Morris

Kathy Fall, Senior Planner

This item was continued from the December 14, 2004 and January 11, 2005 regular meetings of the Board, by request of the appellants.

Reviewed by: _____
Co Atty: _____
DFS: _____
Other: _____
DCM: _____
CM: _____
File No. ph130pdp03

BACKGROUND:

At its January 11, 2005 regular meeting, the Board of County Commissioners continued the appeal to the January 25, 2005 public hearing in order for the applicant to provide additional information. The Board of County Commissioners requested the applicant to provide pictures of balloons flown at the height of the proposed monopole tower of 194 feet. Also, the applicant was to investigate and report back on existing towers within the area that may not have appeared on the County inventory map. To date, staff has not received any additional information nor has the balloon test been scheduled. If staff receives any additional information, it will be forwarded to the Board as quickly as possible.

BOARD OF ADJUSTMENT DECISION:

At its October 25, 2004 regular meeting, the Board of Adjustment approved a special exception to allow a monopole communication tower and its associated variances from residential properties on a 5 acre parcel in the A-5 (Rural Zoning Classification). On October 26, 2004 Commissioner Morris asked that request be heard before the Board of County Commissioners. The Board agreed to hear the request.

STAFF RECOMMENDATION:

Uphold the Board of Adjustment's decision to approve, per staff recommended conditions, a special exception for a monopole communication tower and its associated variances from residential properties.

STAFF REPORT

GENERAL INFORMATION	Applicants: Richard and Jay Shirah/ Spintcom, Inc	A-5 District, LDC section 124 (b)(23) communication towers; LDC section 30.1364(b) performance standards (minimum separation from off-site uses / designated areas)																		
BACKGROUND REQUEST	<p>The subject property is owned by Gary and Elizabeth Lashinsky and is currently used as a horse training facility. The applicants propose to lease a portion of the subject property in order to construct a 194 foot tall monopole communication tower.</p> <ul style="list-style-type: none"> • <u>Request for special exception</u> <ul style="list-style-type: none"> ○ The existing site is located in the A-5 district, where monopole communication towers are permitted by special exception. • <u>Request for variances</u> <ul style="list-style-type: none"> ○ Minimum separation distance is defined as 300 percent of proposed tower height (or 194 ft x 3 = 582 ft), measured from the outer extremity of the base of the tower to the nearest property line of the parcels where residences are located. For the proposed 194 foot tower, the land development code requires a minimum separation distance of 582 ft between the base of the tower and surrounding single-family properties. ○ The subject property abuts a total of five (5) properties where there are existing single-family residences within the separation radius. The following variances are requested to reduce the minimum separation requirements for a 194 foot monopole tower: <table border="1" style="width: 100%; margin: 10px 0; border-collapse: collapse;"> <thead> <tr style="background-color: #333; color: white;"> <th style="text-align: left;">SE DESIGNATED PARCELS</th> <th style="text-align: center;">MINIMUM SEPARATION DISTANCE</th> <th style="text-align: center;">VARIANCE AMOUNT REQUESTED</th> </tr> </thead> <tbody> <tr> <td>25-20-31-5BA-0000-436A</td> <td style="text-align: center;">582 FEET</td> <td style="text-align: center;">to 522 FEET</td> </tr> <tr> <td>25-20-31-5BA-0000-4360</td> <td style="text-align: center;">582 FEET</td> <td style="text-align: center;">to 352 FEET</td> </tr> <tr> <td>25-20-31-5BA-0000-338B</td> <td style="text-align: center;">582 FEET</td> <td style="text-align: center;">to 47 FEET</td> </tr> <tr> <td>12-21-31-501-0000-0010</td> <td style="text-align: center;">582 FEET</td> <td style="text-align: center;">to 312 FEET</td> </tr> <tr> <td>25-20-31-5BA-0000-437A</td> <td style="text-align: center;">582 FEET</td> <td style="text-align: center;">to 132 FEET</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ○ The applicants request was for a 197 foot tall monopole tower, but staff recommended that the height be restricted to 194 feet. The additional 3 feet would be used for future collocation opportunities, and staff advised the applicant that the same could be achieved, if necessary, through an administrative amendment. The Seminole County Land Development Code Sec. 30.1368 allows an administrative height increase not to exceed 20 feet one time only. The applicants agreed to the height reduction, based on staff's recommendation. ○ The subject property is occupied by a horse training facility 		SE DESIGNATED PARCELS	MINIMUM SEPARATION DISTANCE	VARIANCE AMOUNT REQUESTED	25-20-31-5BA-0000-436A	582 FEET	to 522 FEET	25-20-31-5BA-0000-4360	582 FEET	to 352 FEET	25-20-31-5BA-0000-338B	582 FEET	to 47 FEET	12-21-31-501-0000-0010	582 FEET	to 312 FEET	25-20-31-5BA-0000-437A	582 FEET	to 132 FEET
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25-20-31-5BA-0000-437A	582 FEET	to 132 FEET																		

designated Rural-5 FLU and A-5 (Rural Zoning Classification district), where the separation requirement does not apply.

- o The appeal was advertised for the 197 foot monopole tower to allow the Board of County Commissioners the flexibility in considering the greater height. The chart below list the variances necessary for the 197 foot tower:

SE DESIGNATED PARCELS		VARIANCE AMOUNT REQUESTED
25-20-31-5BA-0000-436A	591 FEET	to 531 FEET
25-20-31-5BA-0000-4360	591 FEET	to 361 FEET
25-20-31-5BA-0000-338B	591 FEET	to 56 FEET
12-21-31-501-0000-0010	591 FEET	to 321 FEET
25-20-31-5BA-0000-437A	591 FEET	to 141 FEET

ZONING & FLU

DIRECTION	EXISTING ZONING	EXISTING FLU	USE OF PROPERTY
Site	A-5	Rural-5	Horse training facility
North	A-5	Rural-5	Mobile home
South	A-1	Suburban Estates	Single-family
East	A-5	Rural-5	Church
West	A-5	Rural-5	Mobile home

STANDARDS FOR GRANTING A SPECIAL EXCEPTION

The Board of County Commissioners shall have the power to hear and decide special exceptions and variances it is specifically authorized to pass under the terms of the land development code upon determination that the use requested:

Is not detrimental to the character of the area or neighborhood or inconsistent with trends of development in the area:

The trend of development in the area has included a combination of single-family, institutional and agricultural uses that are permitted by the A-5 zoning classification. The A-5 zoning classification allows uses, such as landscaping contractors, poultry production, plant nurseries and large parcel single family lots. The proposed tower is a standard 194 foot tall monopole structure that is not designed to assimilate into surrounding development but at its proposed location on the horse training facility it minimizes the visual impact to the adjacent existing residential homes. The monopole tower and associated equipment will be located on the east side of the 5 acre horse training facility surrounded by existing buildings on the west and south, existing trees on the south and east side of the property. The variances are measured from base of the tower to the nearest property line of single-family parcels. The chart below is provided to demonstrate the approximate distance from the base of the tower to the existing home on the surrounding properties:

Parcel Numbers	Distance to property line	Distance to existing home
25-20-31-5BA-0000-436A	60 FEET	420 FEET
25-20-31-5BA-0000-4360	230 FEET	500 FEET
25-20-31-5BA-0000-338B	535 FEET	745 FEET
12-21-31-501-0000-0010	270 FEET	525 FEET
25-20-31-5BA-0000-437A	450 FEET	665 FEET

Does not have an undue adverse effect on existing traffic patterns, movements and volumes:

The proposed tower would not have an adverse impact on existing traffic volumes, since the facility would be unmanned and require approximately one site visit per month (2 vehicle trips) for routine service and maintenance.

Is consistent with the Seminole County Vision 2020 Comprehensive Plan:

The Seminole County Vision 2020 Comprehensive Plan describes the Rural-5 Future Land Use (FLU) as a category established for agricultural uses and residential development on large lots.

The comprehensive plan further describes Rural-5 FLU as appropriate for special exception uses like utility structures. With the imposition of staff's recommended conditions, the proposed communication tower would be consistent with the Rural-5 FLU designation.

Meets any additional requirements specified in the code section authorizing the use in a particular zoning district or classification; and

Based on the submitted site plan, the proposed communication tower would not meet the 582 ft minimum separation distance, as explained elsewhere in this report. For this reason, variances from the minimum separation distances required between the base of the proposed tower and the abutting properties are requested as a part of this application.

Will not adversely affect the public interest:

Within the A-5 district, communication towers are conditional uses. The low density, agricultural character of the surrounding area appears to support this type of facility with minimal potential impacts to the aesthetics of the community.

The incorporation of design elements, such as muted colors and a reduction in height to the minimum necessary to accommodate the proposed carriers would reduce visual impact to surrounding development.

STANDARDS FOR GRANTING A SPECIAL EXCEPTION IN THE A-5 DISTRICT

The BCC may permit any use allowed by special exception in the A-5 district upon making findings of fact, in addition to those required by Section 30.43(b)(2) of the land development code, that the use:

Is consistent with the general zoning plan of the A-5 (Rural Zoning Classification District); and

As previously stated, the proposed use would be consistent with the Rural-5 FLU and underlying A-5 zoning with the imposition of staff's recommended conditions. The proposed use would otherwise comply with the dimensional standards of the A-5 district.

Is not highly intensive in nature; and

The request would not be highly intensive in nature, if improvements are limited to a monopole tower system that furthers the policy intent of the land development code, an equipment cabinet, privacy fence, and requisite landscaping as depicted on the submitted site plan.

The proposed facility would be self-operating and used exclusively for transmitting and receiving. Routine maintenance visits would occur approximately once a month (two vehicle trips). More frequent visits would be required in the event of malfunction or emergency. The proposed 194 foot tower will not be required to be lighted by the FCC.

Proposed ingress/egress to the facility would be provided from Van Arsdale Street through the existing site.

Is compatible with the concept of low-density rural land use; and

The proposed tower will have minimum traffic, and public infrastructure impacts to the surrounding rural area. The proposed tower will not be lighted. Unlike other uses in the A-5 zoning district the proposed use will not have negative noise or odor impacts.

Has access to an adequate level of urban services such as sewer, water, police, schools and related services:

The proposed tower would be an unmanned facility, which would require no connection to water or sewer, nor impact school services. Other county services, including police, emergency, and garbage disposal are otherwise available to the site. Electrical power and telephone service would be respectively provided by Progress Energy and Bell South.

STANDARDS FOR GRANTING A VARIANCE; LDC SECTION 30.43 (B)(3)

Separation distances may be decreased or increased by the Board of County Commissioners in accordance with the procedural requirements for variances.

Prior to granting a variance, the Board of County Commissioners must reach a finding that literal enforcement of applicable regulations

would result in an unnecessary and undue hardship upon the applicant and determine compliance with the criteria presented in section 30.43(b)(3) of the LDC.

The standards relative to variances as otherwise stated below may be considered in determining whether to approve a variance but shall not be determinative as to whether the variance may be granted:

That special conditions and circumstances exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same zoning classification;

Should the Board of County Commissioners find that a communication tower is appropriate for the proposed location and thereby approve the requested special exception, reasonable use of the subject property for the purpose of establishing a tower in excess of 20 feet would be dependent upon variances from the minimum separation distances required between the proposed tower and abutting properties with existing single-family homes.

Based on the submitted propagation maps and supporting documentation, the applicants have demonstrated a need to expand Sprint's Wireless service area by establishing a communication tower in the general vicinity of the subject property. The applicants have further indicated that all co-location opportunities have been explored and deemed unacceptable for meeting Sprint's coverage goals and the provision of homogeneous service across its network.

Staff has further determined that the proposed tower height is consistent with Sprint's desire to provide coverage in the areas identified on the attached propagation maps. In general, communication towers require a spacing of approximately 2 to 3 miles to provide the necessary overlap and signaling requirement to optimize performance and coverage to a geographic area. The special circumstances described herein lend support to the request.

That the special conditions and circumstances do not result from the actions of the applicants;

The applicant has provided a search ring analysis that demonstrates the current lack of coverage from surrounding towers and no opportunities to co-locate on existing towers. This is a special circumstance that did not result from the applicants' actions.

That granting the variance requested will not confer on the applicant any special privilege that is denied by Chapter 30 to other lands, buildings, or structures in the same zoning classification;

The Land Development Code provides the process to allow other applicants to seek variances to the separation requirements in the

	<p>same zoning classification. The granting of the requested variances will not confer special privileges since this process is available to other applicants.</p> <p><u>That literal interpretation of the provisions of Chapter 30 would deprive the applicant of rights commonly enjoyed by other properties in the same zoning classification and would work unnecessary and undue hardship on the applicant:</u></p> <p>The proposed 194 foot monopole tower will be located on a property in the A-5 zoning classification. Other properties in the A-5 zoning classification contain communication towers of comparable height and design.</p> <p><u>That the variance granted is the minimum variance that will make possible the reasonable use of the land, building, or structure:</u></p> <p>The applicants have indicated the proposed tower height of 194 feet is minimum necessary to provide service in the deficient coverage area. Therefore, staff believes the proposed height and the corresponding request to reduce minimum separation distances to be reasonable.</p> <p><u>That the grant of the variance will be in harmony with the general intent and purpose of Chapter 30, will not be injurious to the neighborhood, or otherwise detrimental to the public welfare:</u></p> <p>Staff believes the grant of variances from separation distance (with staff's recommended conditions) would be in harmony with the general intent and purpose of the Land Development Code.</p>
<p>STAFF RECOMMENDATION</p>	<p>Based on the stated findings, staff recommends the Board of County Commissioners uphold the Board of Adjustment approval of the special exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District) and the request for associated variances from 582 feet to 60 feet, 582 feet to 230 feet, 582 feet to 270 feet, 582 feet to 450 feet and 582 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings.</p> <p>Staff's recommendation of approval is conditioned upon the following:</p> <ol style="list-style-type: none"> 1. The proposed tower shall not exceed 194 feet, as verified by a RF (Radio Frequency) engineer to be the minimum height needed to further Sprint's immediate wireless communication goals in the area. 2. Any improvements and/or additions to the proposed tower shall be submitted for approval to the county.

	<ol style="list-style-type: none"> 3. A listed species survey shall be provided prior to final engineering approval. 4. Prior to the final development order / approval, an application for full concurrency management shall be provided. <p>Should the associated variances from minimum separation distances be granted, staff recommends the following conditions of approval:</p> <ol style="list-style-type: none"> 1. Any variance granted shall apply only to the proposed communication tower depicted on the attached site plan. 2. Any variance granted shall be the minimum that would make possible the reasonable use of the property for siting a communication tower in that specific location. 3. Any variance granted should be conditioned upon certification by a structural engineer of the proposed tower's safe performance in the event of structural failure or collapse. 4. Any additional condition(s) deemed appropriate by the board, based on information presented at the public hearing.
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Attachments:

- Seminole County Communication tower inventory
- Applicable regulations
- Application for special exception supporting material
- Application for variances & supporting material
- Site maps
- Property appraiser report

SEMINOLE COUNTY BOARD OF COUNTY COMMISSIONERS
DECISION ON APPEAL

This decision is made by the Board of County Commissioners of Seminole County, Florida, this 25th day of January 2005, in accordance with Section 30.43 of the Land Development Code of Seminole County (LDC), as amended, upholding a decision of the Board of Adjustment to approve a request for (1) Special Exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances from 582 feet to 60 feet, 582 feet to 230 feet, 582 feet to 270 feet, 582 feet to 450 feet and 582 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings.

A. FINDINGS OF FACT

1. On October 25, 2004, the Board of Adjustment approved a request for (1) Special Exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances from 582 feet to 60 feet, 582 feet to 230 feet, 582 feet to 270 feet, 582 feet to 450 feet and 582 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings., as requested by Spintcom, Inc. on the property further described by the following legal description:

LEG W 1/2 OF LOT 437 BLACK HAMMOCK PB 1 PG 31

2. The Board of County Commissioners has the authority and responsibility to adjudge this appeal by virtue of Section 30.43(f), LDC.

3. On January 25, 2005, the Board of County Commissioners heard an appeal of this decision.

B. CONCLUSIONS OF LAW

The Board of County Commissioners finds that the request is in conformance with Section 30.1364(b) of the Land Development Code of Seminole County due to the following:

1. The Board hereby agrees with and adopts the staff recommendations as reflected in the Agenda Memorandum, Item # _____.
2. The subject request meets all of the criteria in Section 30.1364(b), LDC, for granting of a variance because:
 - a. The applicants have demonstrated a need to expand Sprint's Wireless service area by establishing a communication tower in the general vicinity of the subject property. The applicants have further indicated that all co-location opportunities have been explored and deemed unacceptable for meeting Sprint's coverage goals and the provision of homogeneous service across its network.

C. DECISION

Based upon the foregoing and having fully considered the application submitted, and the testimony presented at the Board of County Commissioners public hearing on January 25, 2005, it is determined by majority vote of members of the Board of County Commissioners of Seminole County, Florida, that the subject decision of the Board of Adjustment is **UPHELD** and the Special Exception and associated variances are approved.

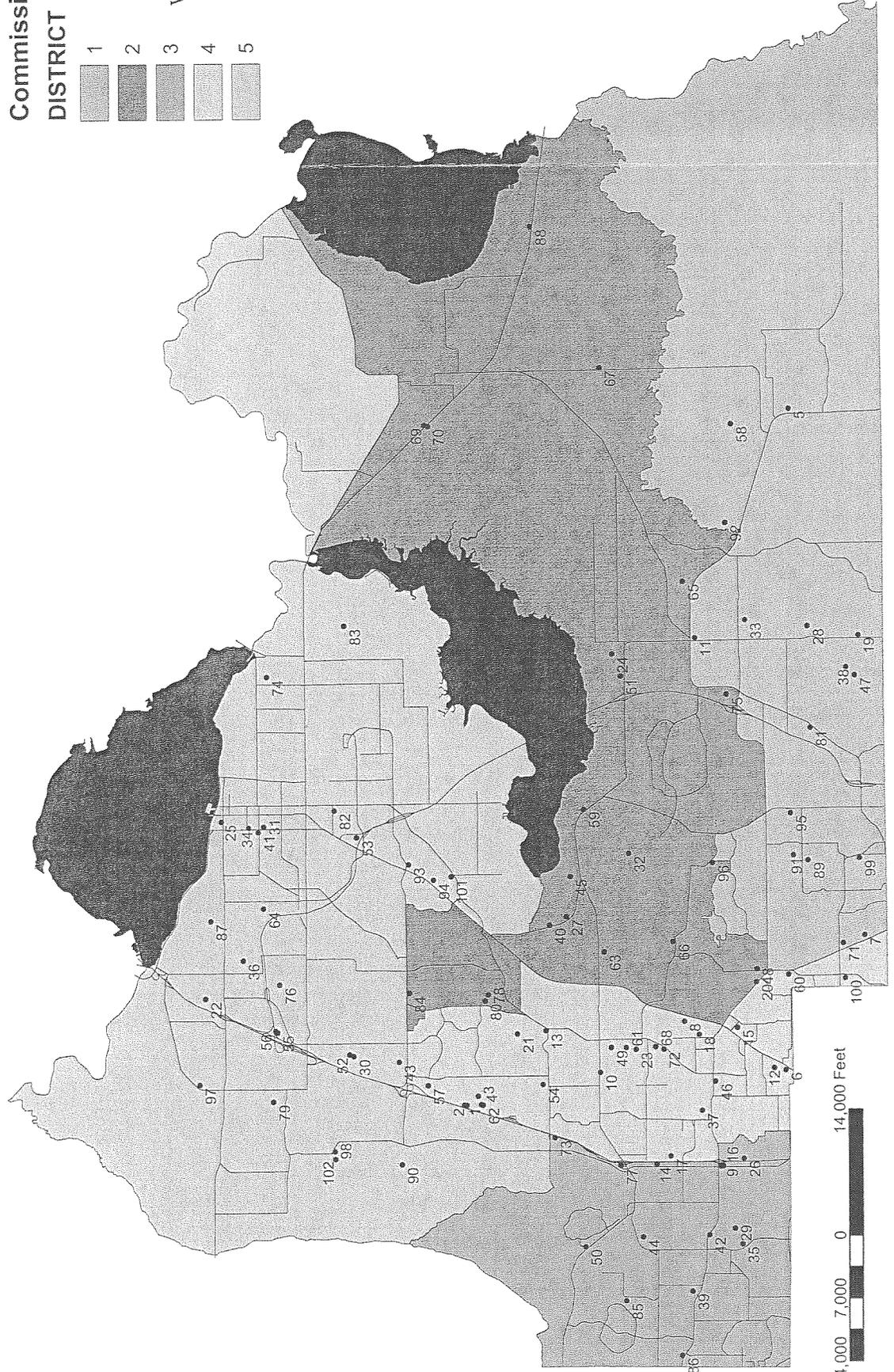
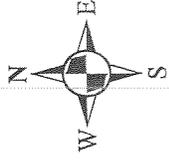
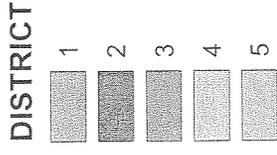
DATED this 25th day of January 2005.

Board of County Commissioners
Seminole County, Florida

Carlton D. Henley, Chairman

Seminole County Communication Tower Inventory

Commission District



SEMINOLE COUNTY COMMUNICATION TOWER INVENTORY

TOWER #	COMPANY	STREET ADDRESS	COMMUNITY	HEIGHT (In feet - If available)
1	EMMIS TV BROADCASTING	31 SKYLINE DR	LAKE MARY	
2	WOFL TV - CHANNEL 35	35 SKYLINE DR	LAKE MARY	
3	AT&T WIRELESS	36 SKYLINE DR	LAKE MARY	235
	CINGULAR WIRELESS	40 SKYLINE DR	LAKE MARY	235
4	T-MOBILE USA, INC.	47 SKYLINE DR	LAKE MARY	198
	NEXTEL COMMUNICATIONS	47 SKYLINE DR	LAKE MARY	198
	SPRINT PCS	47 SKYLINE DR	LAKE MARY	198
5	CINGULAR WIRELESS	95 E 7TH ST	CHULUOTA	
	NEXTEL COMMUNICATIONS	95 AVENUE C	CHULUOTA	
	T-MOBILE USA, INC.	669 AVENUE C	CHULUOTA	
6	CINGULAR WIRELESS	100 2ND ST	MAITLAND	100
7	NEXTEL COMMUNICATIONS	100 CASSELTON DR	CASSELBERRY	
	SPRINT PCS	100 CASSELTON DR	CASSELBERRY	
8	AT&T WIRELESS	101 MELODY LN	CASSELBERRY	
	NEXTEL COMMUNICATIONS	101 MELODY LN	CASSELBERRY	
9	NEXTEL COMMUNICATIONS	101 WYMORE RD	CASSELBERRY	89
10	AT&T WIRELESS	110 MINGO TRL	ALTAMONTE SPRINGS	182
	CINGULAR WIRELESS	110 MINGO TRL	LONGWOOD	182
	NEXTEL COMMUNICATIONS	110 MINGO TRL	LONGWOOD	182
11	SPRINT PCS	110 E BROADWAY ST	OVIEDO	
12	NEXTEL COMMUNICATIONS	111 CANDACE DR	MAITLAND	169
	AT&T WIRELESS	113 CANDACE DR	MAITLAND	169
13	VERIZON WIRELESS	115 LONGWOOD HILLS RD	LONGWOOD	298
14	AT&T WIRELESS	133 W PINEVIEW ST	ALTAMONTE SPRINGS	150
	CINGULAR WIRELESS	133 W PINEVIEW ST	ALTAMONTE SPRINGS	150
	SPRINT PCS	133 W PINEVIEW ST	ALTAMONTE SPRINGS	150
15	CINGULAR WIRELESS	142 FERNWOOD BLVD	FERN PARK	193
	NEXTEL COMMUNICATIONS	142 FERNWOOD BLVD	FERN PARK	193
16	AT&T WIRELESS	151 WYMORE RD	ALTAMONTE SPRINGS	68
	T-MOBILE USA, INC.	151 WYMORE RD	ALTAMONTE SPRINGS	68
	SPRINT PCS	151 WYMORE RD	ALTAMONTE SPRINGS	68
17	UNKNOWN	170 E HILLCREST ST	ALTAMONTE SPRINGS	
18	T-MOBILE USA, INC.	185 ANCHOR RD	CASSELBERRY	136
19	AT&T WIRELESS	186 PARK RD	OVIEDO	182
	CINGULAR WIRELESS	186 PARK RD	OVIEDO	182
	T-MOBILE USA, INC.	186 PARK RD	OVIEDO	182

SEMINOLE COUNTY COMMUNICATION TOWER INVENTORY

TOWER #	COMPANY	STREET ADDRESS	COMMUNITY
20	SPRINT PCS	201 CANNON WAY	CASSELBERRY
21	T-MOBILE USA, INC.	208 BAY MEADOW RD	LONGWOOD
	SPRINT PCS	208 BAY MEADOW RD	LONGWOOD
	GLOBAL SIGNAL (PINNACLE TOWERS)	208 BAY MEADOW RD	LONGWOOD
22	VERIZON WIRELESS	222 HICKMAN CIR	SANFORD
	NEXTEL COMMUNICATIONS	222 HICKMAN DR	SANFORD
	SPRINT PCS	222 HICKMAN DR	SANFORD
23	GLOBAL SIGNAL (PINNACLE TOWERS)	225 PINEDA ST	LONGWOOD
24	NEXTEL COMMUNICATIONS	249 CRESS RUN	OVEDO
25	VERIZON WIRELESS	312 W 1ST ST	SANFORD
26	CINGULAR WIRELESS	350 S NORTH LAKE BLVD	ALTAMONTE SPRINGS
27	CINGULAR WIRELESS	350 OLD SANFORD OVIEDO RD	WINTER SPRINGS
28	VERIZON WIRELESS	350 LAKE HAYES RD	OVEDO
29	SPRINT PCS	389 S SR 434	ALTAMONTE SPRINGS
30	SIEMENS STROMBERG-CARLSON	400 RINEHART RD	LAKE MARY
31	AT&T WIRELESS	411 W 14TH ST	SANFORD
	CINGULAR WIRELESS	411 W 14TH ST	SANFORD
	NEXTEL COMMUNICATIONS	411 W 14TH ST	SANFORD
32	CINGULAR WIRELESS	411 SHORE RD	WINTER SPRINGS
33	AT&T WIRELESS	420 ALEXANDRIA BLVD	OVEDO
	CINGULAR WIRELESS	440 ALEXANDRIA BLVD	OVEDO
34	CROWN CASTLE SOUTH LLC	501 W 9TH ST	SANFORD
35	T-MOBILE USA, INC.	521 S SR 434	ALTAMONTE SPRINGS
	NEXTEL COMMUNICATIONS	525 S SR 434	ALTAMONTE SPRINGS
36	NEXTEL COMMUNICATIONS	551 CODISCO WAY	SANFORD
37	AT&T WIRELESS	601 E ALTAMONTE DR	ALTAMONTE SPRINGS
	NEXTEL COMMUNICATIONS	601 E ALTAMONTE DR	ALTAMONTE SPRINGS
	CINGULAR WIRELESS	661 E ALTAMONTE DR	ALTAMONTE SPRINGS
38	SPRINT PCS	601 IRON BRIDGE CIR	OVEDO
39	NEXTEL COMMUNICATIONS	631 SELF ESTEEM WAY	APOPKA
	SPRINT PCS	631 SELF ESTEEM WAY	APOPKA
	AT&T WIRELESS	3909 E SEMORAN BLVD	APOPKA
40	NEXTEL COMMUNICATIONS	657 SR 419	WINTER SPRINGS
41	T-MOBILE USA, INC.	700 W 13TH ST	SANFORD
42	CINGULAR WIRELESS	746 W SR 436	ALTAMONTE SPRINGS

SEMINOLE COUNTY COMMUNICATION TOWER INVENTORY

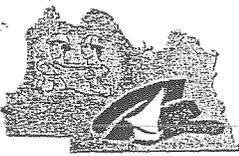
TOWER #	COMPANY	STREET ADDRESS	COMMUNITY	
43	T-MOBILE USA, INC.	762 N SUN DR	LAKE MARY	145
	NEXTEL COMMUNICATIONS	762 N SUN DR	LAKE MARY	145
	SPRINT PCS	762 N SUN DR	LAKE MARY	145
	AT&T WIRELESS	776 SUN DR	LAKE MARY	145
44	NEXTEL COMMUNICATIONS	780 SANLANDO RD	LONGWOOD	
	AT&T WIRELESS	782 SANLANDO RD	ALTAMONTE SPRINGS	194
	SPRINT PCS	782 SANLANDO RD	ALTAMONTE SPRINGS	194
45	UNKNOWN	822 E SR 434	WINTER SPRINGS	
46	SPRINT PCS	850 E ALTAMONTE DR	ALTAMONTE SPRINGS	
47	M/A COMM INC	890 IRON BRIDGE CIR	OVEDO	370
48	AT&T WIRELESS	892 N WINTER PARK DR	CASSELBERRY	
49	UNKNOWN	901 RECYCLING PT	LONGWOOD	
50	CINGULAR WIRELESS	903 WEKIVA SPRINGS RD	LONGWOOD	
	T-MOBILE USA, INC.	940 WEKIVA SPRINGS RD	LONGWOOD	
	SPRINT PCS	942 WEKIVA SPRINGS RD	LONGWOOD	
51	CINGULAR WIRELESS	908 W SR 434	OVEDO	171
	T-MOBILE USA, INC.	950 W SR 434	OVEDO	171
52	SPRINT PCS	913 WALLACE CT	LAKE MARY	
	VERIZON WIRELESS	915 WALLACE CT	LAKE MARY	
	CINGULAR WIRELESS	935 WALLACE CT	LAKE MARY	
53	VERIZON WIRELESS	920 STATE ST	SANFORD	110
54	NEXTEL COMMUNICATIONS	925 LONGWOOD HILLS RD	LONGWOOD	125
55	NEXTEL COMMUNICATIONS	1080 RINEHART RD	SANFORD	195
56	CINGULAR WIRELESS	1050 RINEHART RD	SANFORD	120
57	CINGULAR WIRELESS	1101 GREENWOOD BLVD	LAKE MARY	
58	SPRINT PCS	1101 WILLINGHAM RD	CHULUOTA	
59	AT&T WIRELESS	1126 E SR 434	WINTER SPRINGS	175
	T-MOBILE USA, INC.	1126 E SR 434	WINTER SPRINGS	175
	NEXTEL COMMUNICATIONS	1126 E SR 434	WINTER SPRINGS	175
	SPRINT PCS	1126 E SR 434	WINTER SPRINGS	175
60	CINGULAR WIRELESS	1131 SR 436	CASSELBERRY	120
	T-MOBILE USA, INC.	1131 SR 436	CASSELBERRY	120
	NEXTEL COMMUNICATIONS	1131 SR 436	CASSELBERRY	120
61	NEXTEL COMMUNICATIONS	1155 CHARLES ST	LONGWOOD	470
	SPRINT PCS	1155 CHARLES ST	LONGWOOD	470
	GLOBAL SIGNAL (PINNACLE TOWERS)	1155 CHARLES ST	LONGWOOD	470

SEMINOLE COUNTY COMMUNICATION TOWER INVENTORY

TOWER #	COMPANY	STREET ADDRESS	COMMUNITY
62	FLA POWER CORP	1160 EMMA OAKS TRL	LAKE MARY
63	AT&T WIRELESS	1200 BELLE AVE	WINTER SPRINGS
	SPRINT PCS	1200 BELLE AV	WINTER SPRINGS
	NEXTEL COMMUNICATIONS	1230 BELLE AV	WINTER SPRINGS
64	NEXTEL COMMUNICATIONS	1201 ALBRIGHT RD	SANFORD
	SPRINT PCS	1201 ALBRIGHT RD	SANFORD
65	VERIZON WIRELESS	1241 E BROADWAY ST	OVIEDO
66	VERIZON WIRELESS	1279 SEMINOLA BLVD	CASSELBERRY
	NEXTEL COMMUNICATIONS	1279 SEMINOLA BLVD	CASSELBERRY
	SPRINT PCS	1279 SEMINOLA BLVD	CASSELBERRY
67	S B A TOWERS INC	1355 SNOW HILL RD	GENEVA
68	NEXTEL COMMUNICATIONS	1410 N CR 427	LONGWOOD
69	AT&T WIRELESS	1438 W SR 46	GENEVA
70	CINGULAR WIRELESS	1461 W SR 46	GENEVA
	T-MOBILE USA, INC.	1461 W SR 46	GENEVA
71	AT&T WIRELESS	1540 SR 436	WINTER PARK
72	CINGULAR WIRELESS	1648 CR 427	ALTAMONTE SPRINGS
73	AT&T WIRELESS	1649 E E WILLIAMSON RD	LONGWOOD
	CINGULAR WIRELESS	1649 E E WILLIAMSON RD	LONGWOOD
	SPRINT PCS	1649 E E WILLIAMSON RD	LONGWOOD
	T-MOBILE USA, INC.	1655 E E WILLIAMSON RD	LONGWOOD
	NEXTEL COMMUNICATIONS	1669 E E WILLIAMSON RD	LONGWOOD
74	NEXTEL COMMUNICATIONS	1683 BEARDALL AV	SANFORD
	SPRINT PCS	1683 BEARDALL AV	SANFORD
75	AT&T WIRELESS	1699 W BROADWAY ST	OVIEDO
	VERIZON WIRELESS	1701 W SR 426	OVIEDO
	T-MOBILE USA, INC.	1701 W BROADWAY ST	OVIEDO
	NEXTEL COMMUNICATIONS	1701 W BROADWAY ST	OVIEDO
	SPRINT PCS	1701 W BROADWAY ST	OVIEDO
76	AT&T WIRELESS	1701 LOWE AVE	SANFORD
	T-MOBILE USA, INC.	1701 LOWE AVE	SANFORD
77	NEXTEL COMMUNICATIONS	2015 W SR 434	LONGWOOD
	SPRINT PCS	2015 W SR 434	LONGWOOD
78	AT&T WIRELESS	2050 CR 427	LONGWOOD

SEMINOLE COUNTY COMMUNICATION TOWER INVENTORY

TOWER #	COMPANY	STREET ADDRESS	COMMUNITY
79	AT&T WIRELESS	2050 ORANGE BLVD	SANFORD
	T-MOBILE USA, INC.	2050 ORANGE BLVD	SANFORD
	NEXTEL COMMUNICATIONS	2050 ORANGE BLVD	SANFORD
80	VERIZON WIRELESS	2187 LONGWOOD LAKE MARY RD	LONGWOOD
81	T-MOBILE USA, INC.	2661 MIKLER RD	OVIEDO
	NEXTEL COMMUNICATIONS	2661 MIKLER RD	OVIEDO
82	SPRINT PCS	2703 MAGNOLIA AV	SANFORD
83	T-MOBILE USA, INC.	2825 RICHMOND AVE	SANFORD
84	SPRINT PCS	2893 W LAKE MARY BLVD	LAKE MARY
85	T-MOBILE USA, INC.	2941 BRANTLEY HILLS CT	LONGWOOD
86	SPRINT PCS	2955 E SR 436	AOPKA
87	CINGULAR WIRELESS	3051 NARCISSUS AV	SANFORD
	NEXTEL COMMUNICATIONS	3051 NARCISSUS AV	SANFORD
88	SPRINT PCS	3110 E SR 46	GENEVA
89	SPRINT PCS	3375 GARDEN LAKE BLVD	WINTER PARK
90	UNKNOWN	3440 ROCKCLIFF PL	LONGWOOD
91	CINGULAR WIRELESS	3574 DIKE RD	WINTER PARK
92	NEXTEL COMMUNICATIONS	3710 WILLINGHAM RD	CHULUOTA
93	CINGULAR WIRELESS	3825 N US 17-92	SANFORD
	T-MOBILE USA, INC.	3825 N US 17-92	SANFORD
	AT&T WIRELESS	3825 N US 17-92	SANFORD
94	VERIZON WIRELESS	4175 N US 17-92	SANFORD
	SPRINT PCS	4175 N US 17-92	SANFORD
95	AT&T WIRELESS	4479 SUNSET LN	OVIEDO
	VERIZON WIRELESS	4479 SUNSET LN	OVIEDO
	T-MOBILE USA, INC.	4479 SUNSET LN	OVIEDO
	NEXTEL COMMUNICATIONS	4479 SUNSET LN	OVIEDO
96	UNKNOWN	4627 E LAKE DR	WINTER SPRINGS
97	CINGULAR WIRELESS	5397 ORANGE BLVD	SANFORD
	T-MOBILE USA, INC.	5405 ORANGE BLVD	SANFORD
98	NEXTEL COMMUNICATIONS	5400 MARKHAM WOODS RD	LAKE MARY
	T-MOBILE USA, INC.	5400 MARKHAM WOODS RD	LAKE MARY
99	NEXTEL COMMUNICATIONS	5450 HOWELL BRANCH RD	WINTER PARK
100	CINGULAR WIRELESS	5487 LAKE HOWELL RD	WINTER PARK
101	NEXTEL COMMUNICATIONS	5602 N CR 427	SANFORD
102	SPRINT PCS	5400 MARKHAM WOODS RD	LAKE MARY



COPY

APPLICATION TO THE SEMINOLE COUNTY BOARD OF ADJUSTMENT

Applications to the Seminole County Board of Adjustment shall include all applicable items listed in the Board of Adjustment Process Checklist. No application will be scheduled for Board of Adjustment consideration until a complete application (including all information requested below) has been received by the Planning & Development Department, Planning Division.

RECEIVED
 SEP 24 2004

APPLICATION TYPE:

- VARIANCE** Separation From OTHER USES
- SPECIAL EXCEPTION** Communication Tower (monopole)
- MOBILE HOME SPECIAL EXCEPTION**
- EXISTING PROPOSED REPLACEMENT
- MOBILE HOME IS FOR _____
- YEAR OF MOBILE HOME _____ SIZE OF MOBILE HOME _____
- ANTICIPATED TIME MOBILE HOME IS NEEDED _____
- PLAN TO BUILD YES NO IF SO, WHEN _____
- MEDICAL HARDSHIP YES (LETTER FROM DOCTOR REQUIRED) NO
- APPEAL FROM DECISION OF THE PLANNING MANAGER**

	PROPERTY OWNER	AUTHORIZED AGENT *
NAME	Gary & Elizabeth A. Lashinsky	Richard Shirah / Jay Shirah
ADDRESS	4056 Gilder Rose Place Winter Park, FL 32792	4905 Belfort Rd, Suite 110 Jacksonville, FL 32256
PHONE 1	407-366-0366	678-462-3889 (Richard)
PHONE 2		678-907-2940 (Jay)
E-MAIL		jayshirah@msn.com

PROJECT NAME: White Stallion/0R60XC576A
 SITE ADDRESS: 1051 Van Arsdale Street, Oviedo, FL 32789
 CURRENT USE OF PROPERTY: office, horse training, commercial
 LEGAL DESCRIPTION: W 1/2 of Lot 437, THE VAN ARSDALE OSBORNE BROKERAGE CO.'S ADD. TO BLACK HAMMOCK, PLAT BK 1, PG 31
 SIZE OF PROPERTY: ± 5 acre(s) PARCEL I.D. 25-20-31-53A-0000-4370
 UTILITIES: WATER WELL SEWER SEPTIC TANK OTHER electric/phone
 KNOWN CODE ENFORCEMENT VIOLATIONS NONE

IS PROPERTY ACCESSIBLE FOR INSPECTION YES NO

This request will be considered at the Board of Adjustment regular meeting on Nov. 15, 04 (mo/day/yr), in the Board Chambers (Room 1028) at 6:00 p.m. on the first floor of the Seminole County Services Building, located at 1101 East First Street in downtown Sanford, FL.

I hereby affirm that all statements, proposals, and/or plans submitted with or contained within this application are true and correct to the best of my knowledge.

[Signature] SIGNATURE OF OWNER OR AGENT* 9.23.04 DATE

* Proof of owner's authorization is required with submittal if signed by agent.

TABLE OF CONTENTS

Exhibit 1:	a) Statement of Intent b) Location of General Application & Submittal Requirements c) Application Merits / Code Compliance
Exhibit 2:	Proof of Owner's Authorization
Exhibit 3:	a) RF Justification b) Search Ring
Exhibit 4:	Existing Propagation Maps
Exhibit 5:	Proposed Propagation Maps
Exhibit 6:	Photo Simulations
Exhibit 7:	Site Plan
Exhibit 8:	Survey

EXHIBIT 1

September 24, 2004

Planning and Development Department
Planning Division
Room 2202
1101 East First Street
Sanford, FL 32771

By Hand Delivery

RE: Proposed Sprint PCS Communication Tower

STATEMENT OF INTENT

SprintCom, Inc. (Sprint PCS) submits this Statement of Intent in support of its application for a Special Exception Permit to construct a 197 foot monopole Communication Tower at the property owned by Gary & Elizabeth Lashinsky, 1051 Van Arsdale Street, Oviedo, FL 32789. SprintCom, Inc. would also like to request the approval of a variance on the "minimum separation from off-site uses/designated areas," while property owners within this applicable separation distance are being diligently pursued for written consent supporting a waiver of this requirement.

Included in this Statement of Intent are the following two items:

1. A list of items requested in the Special Exception Application package and where the items are located in this application.
2. Application Merits/Code Compliance description.

Sprint PCS has entered into a lease agreement with the property owner to lease ground space located at the above address. The parent parcel is zoned A-5 and is used as the office for White Stallion Productions and is the location for a horse training facility. The adjacent tracts of lands in and around the parent parcel include a variety of uses, such as a church, residential uses, rehabilitation center for youths, and other horse training facilities. The future land use map in and around the proposed site is to remain as agricultural zoned property. The perimeter of the lease area will be surrounded with a wooden fence and there will be a locked entrance gate accessed through a dirt/grass road from Van Arsdale Street. The facility will be unmanned and require approximately one visit per month for routine maintenance. The facility will emit no noise, glare or odor. There will be no signage other than those required for identification, safety, and by the FCC. The facility

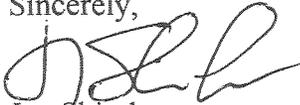
will comply with the guidelines of the FCC and FAA, which are designed to protect the public safety and welfare. To ensure structural integrity of the tower, Sprint PCS will construct and maintain it in compliance with all federal, state and local building codes and standards.

It is Sprint PCS' policy to co-locate its antennas and facilities at every possible instance. By "co-location", Sprint PCS seeks to mount antennas on existing monopoles, lattice towers, water towers, rooftops, light poles, utility poles, and other existing structures that are structurally capable of accommodating co-location and where the owner of the existing facility is willing to reasonably participate in co-location. In this case, there were absolutely no co-locatable structures within the search area.

Sprint PCS respectfully requests approval of this request for a Special Exception Permit for a monopole Communication Tower.

Thank you for your consideration. Please contact me at 678-907-2940 if you have any questions or need any additional information.

Sincerely,



Jay Shirah
Site Acquisition Consultant
Earthcom Services, Inc.

1.3

GENERAL APPLICATION SUBMITTAL REQUIREMENTS: The following information is required to complete the BOARD OF ADJUSTMENT APPLICATION.

- A. Statement of the request (e.g., Special Exception for the establishment of a mechanical garage in the C-2 (Retail Commercial District). *(Refer to Statement of Intent)*
- B. Applicant's contact information including name, mailing address, site address, phone numbers and e-mail address. *(Refer to Site Plan)*
- C. Project Name. *(Refer to Site Plan)*
- D. Site address. *(Refer to Site Plan)*
- E. Current use of property. *(Refer to Site Plan & Letter of Intent)*
- F. Legal description of property. *(Refer to Survey)*
- G. Size of property. *(Refer to Site Plan)*
- H. Dimensions of the lot or parcel. *(Refer to Survey)*
- I. Arrow indicating NORTH. *(Refer to Survey)*
- J. Location and name of abutting streets or roads. *(Refer to Site Plan & Survey)*
- K. Location and size of existing or proposed septic system, drain field, and well (if applicable). *(Not applicable)*
- L. Location, size and type of any trees to be removed or retained. *(Not applicable, no trees will be removed for the installation of this site)*
- M. Location and width of all easements (e.g., drainage, landscape, sidewalk, ingress and egress). *(Refer to Site Plan & Survey)*
- N. Location and width of existing or proposed driveway access. *(Refer to Site Plan & Survey)*
- O. Parcel Identification Number assigned by Property Appraiser. *(Refer to Site Plan cover page)*
- P. Identification of available utilities. *(Refer to Site Plan)*
- Q. Description of known code enforcement violations on property. *(Refer to "Application Merits/Code Compliance" attached to Letter of Intent.*
- R. Property accessibility to inspection by Planning Division Staff. *(Refer to Site Plan)*
- S. Application fee (\$370 special exception). *(Application Fee attached.)*
- T. Authorization Form (if the applicant & owner are not the same). *(Refer to Exhibit 2 of this application)*
- U. 8 ½" x 11" Site plan depicting existing & proposed buildings, structures & improvements (13 COPIES OF SITE PLANS SHALL BE SUBMITTED FOR SPECIAL EXCEPTIONS; SITE PLANS SHALL COMPLY WITH LAND DEVELOPMENT CODE PART 4, REQUIRED SUBMITTALS FOR SITE PLANS). *(13 sets of 11" x 17" signed and sealed drawings and 1 set of 8.5" x 11" drawings have been submitted with this application, per Earnest McDonald's request. Also, 13 sets of signed & sealed surveys have been provided.)*
- V. Written statement that responds to criteria stated in the LAND DEVELOPMENT CODE for the grant of a special exception. *(Refer to "Application Merits/Code Compliance" attached to "Letter of Intent")*

1.4 ADDITIONAL SUBMITTAL REQUIREMENTS: The following information is required at the time of application submittal for Special Exception applications:

- A. Nature and purpose of proposed use. *(Refer to Letter of Intent & Site Plan)*
- B. Location and setbacks from property lines for all proposed and existing buildings and structures. *(Refer to Survey)*
- C. Location and size of buffers, including but not limited to existing and proposed landscaping, fences and walls. *(Refer to Survey & Site Plan)*
- D. Location, number and size of existing and proposed parking spaces. *(Not applicable)*
- E. Height of buildings and structures, measured from the existing grade. *(Refer to Site Plan)*
- F. Location of fire lanes. *(Not applicable)*
- G. Location of existing and proposed signage. *(Not applicable)*
- H. Location of wetlands and/or flood prone areas. *(Not applicable)*
- I. Days and hours of the existing or proposed operation. *(Not applicable)*
- J. Projected number of employees on the largest shift, number of students or children, faculty, residents, etc. *(Not applicable)*
- K. Location, type and height of existing or proposed outdoor lighting. *(Not applicable, this Communication tower will not be lighted, unless required by the FAA)*
- L. Seating capacity, if appropriate (e.g., restaurants, churches, sports stadiums, etc.) *(Not applicable)*

COMMUNICATION TOWERS ONLY:

- M. Maps depicting existing and proposed propagation. *(Refer to Exhibits 4 & 5)*
- N. Photo simulations of the proposed tower facility. *(Refer to Exhibit 6)*
- O. Statement of justification from a Radio Frequency (RF) Engineer to explain delineation of identified search ring, proposed capacity, and how the request furthers the policy intent of the Land Development Code. *(Refer to Exhibit 3)*
- P. Description of proposed height and method of camouflage (if applicable). *(Refer to Site Plan for the proposed height, camouflage design is not applicable to this application)*

APPLICATION MERITS/CODE COMPLIANCE

(a) Setbacks.

(1) Communication tower setbacks shall be measured from the outer extremity of the base of the communication tower to the property line of the parcel on which it is located.

(2) Communication towers shall be located on parcels which comply with the minimum setback and lot size requirements of the zoning classification assigned to the property on which they are located.

- *This parcel complies with the minimum setback and lot size requirements for the A-5 zoning classification assigned to this property.*

(3) For towers located on properties assigned the PUD or PCD zoning classification, the setback requirements for the parcel outlined in the PUD/PCD approval shall apply.

- *Not Applicable.*

(4) In cases where there are non-conforming residential uses on property which is not assigned a residential zoning classification, a reduction of fifty (50) percent of the side or rear yard setback distance opposite the non conforming residential use shall be permitted by the Planning Manager unless the side or rear yard proposed for reduction is assigned a residential land use designation or zoning classification.

- *Not Applicable.*

(b) Minimum separation from off-site uses/designated areas.

(1) Communication tower separation shall be measured from the outer extremity of the base of the tower to the closest property line of the off-site use as specified in Table 1 below.

(2) Separation requirements for communication towers shall comply with the minimum standards established in Table 1 below unless otherwise provided.

(3) Reduced separation distances may be reduced by the Planning Manager when written consent as set forth in a recordable instrument is obtained from all property owners within the applicable separation distance.

- *This proposed Communication Tower site does not meet the separation from off-site uses/designated areas, but we are diligently pursuing written consent from all property owners within the applicable separation distance.*

(4) Separation distances may be decreased or increased by the Board of Adjustment in accordance with the procedural requirements for variances as set forth in this Code and the substantive determinations as set forth in Table 1 below, when considering whether to approve a special exception, if competent substantial evidence is presented demonstrating unique planning considerations and compatibility impacts.

- *The proposed Communication tower, a monopole, is of the least intrusive design for this particular height in this particular area. To camouflage a Communication tower*

at or near the proposed height of this proposed structure in this particular area would adversely impact the intentions of a camouflage design.

- *An 8' wooden fence will be installed at the base of the proposed tower so as to completely shield the equipment, which will be located at the base of the tower. (Refer to the site plan for design of the wooden fence.)*
- *This tower is being designed to accommodate 3 additional users in an effort to minimize future towers in the area.*

TABLE 1
MINIMUM SEPARATION FROM OTHER USES

TABLE INSET:

Off-site Use	Separation Distance
Property assigned a single-family (includes modular homes and mobile homes used for living purposes), duplex, or multi-family residential zoning classification or future land use designation or with an existing residential use.	200 feet or 300% height of tower whichever is greater except when a variance is granted based upon findings that the aesthetic impacts of the tower is enhanced, that compatibility with abutting property owners is maintained, and the approval of the tower would be consistent with and further the provisions of section 30.1362. The standard relative to variances as otherwise set forth in this Code may be considered in determining whether to approve a variance hereunder, but shall not be determinative as to whether the variance may be granted.
Property assigned a non-residential zoning classification or future land use designation or property with an existing non-residential use.	None. Only district setbacks apply.

(c) Separation distances between communication towers.

(1) Separation distances between communication towers shall be and measured between the communication tower proposed for approval and those towers that are permitted or existing.

- *The proposed Communication tower satisfies the required separation distance between existing or permitted Communication towers. There are no towers within 1500 feet of the proposed Communication tower.*

(2) The separation distances shall be measured by drawing or following a straight line between the GPS coordinate of the center of the existing or permitted communication tower and the proposed GPS coordinate of the center of the proposed communication tower as depicted on a site plan of the proposed tower.

- *There are no towers within the required 1500 feet of the proposed Communication tower.*

(3) The separation distances, listed in linear feet, shall be as set forth in Table 2 below:

TABLE 2
SEPARATION DISTANCES BETWEEN COMMUNICATION TOWERS
TABLE INSET:

DESCRIPTION	EXISTING TOWERS				
	LATTICE	GUYED	MONOPOLE 75 FT IN HEIGHT OR GREATER	MONOPOLE LESS THAN 75 FT IN HEIGHT	CAMOUFLAGE
LATTICE	5,000	5,000	1,500	750	0
GUYED	5,000	5,000	1,500	750	0
MONOPOLE 75 FT IN HEIGHT OR GREATER	1,500	1,500	1,500	750	0
MONOPOLE LESS THAN 75 IN HEIGHT	750	750	750	750	0
CAMOUFLAGE	0	0	0	0	0

(4) A variance from the minimum separation distances between communication towers as set forth in Table 2 may be granted when two (2) or more communication tower owners or operators agree to co-locate their communication antennas on the same communication tower and upon findings being made that the aesthetic impacts of the tower is enhanced, that compatibility with abutting property owners is maintained, and the approval of the tower would be consistent with and further the provisions of section 30.1362. The standard relative to variances as otherwise set forth in this Code may be considered in determining whether to approve a variance hereunder, but shall not be determinative as to whether the variance may be granted.

(d) Measurement of height. Measurement of communication tower height shall include antenna, base pad and any and all other appurtenances and shall be measured from the finished grade of the parcel on which the communication tower is located.

- *The measurement of the tower has been measured as requested above and is indicated in the site plan of this application.*

Sec. 30.1365. Design criteria.

(a) Illumination. Communication towers shall not be artificially lighted except to assure human safety or as required by the Federal Aviation Administration (FAA). At time of construction of a communication tower in cases where there is property assigned a residential future land use designation, a residential zoning classification or has a valid residential use located within a distance from the tower which is equal to or less than three hundred (300) percent of the height of the communication tower, dual mode lighting shall be requested by the applicant from the FAA.

- *The proposed Communication tower will not be lighted unless required by the FAA. Generally, if a tower is less than 200 feet in height, a tower is not required by the FAA to be lighted. This tower is proposed to be 197 feet in height.*

(b) Finished color. Communication towers not requiring FAA painting/markings shall have either a galvanized finish, shall be painted a non-contrasting gray finish, or shall be painted in a finish to enhance camouflaging as determined by the Planning Manager.

- *The proposed Communication tower will have a galvanized finish.*

(c) Fencing. A chain link fence or a wall not less than eight (8) feet in height from finished grade shall be installed by the applicant around each communication tower. Barbed wire or another fencing method to prevent pedestrian access to the tower, as approved by the Planning Manager, shall be installed along the top of the fence or wall, but shall not be included when calculating the height of the fence or wall. Access to the tower through the fence or wall shall be through a gate which shall be locked at all times the communication tower site is not being occupied by the person or entity in charge of the communication tower or site.

- *An 8' wooden fence is being proposed around the perimeter of the tower and ancillary equipment for this site.*

(d) Landscaping.

(1) The visual impacts of each communication tower shall be mitigated through landscaping or other screening materials at the base of the communication tower and ancillary structures in order to maintain visual aesthetics for those who must view the site on a regular basis including, but not limited to, proximate residents and the traveling public.

- *An 8' wooden fence is being proposed so as to completely shield the base of the tower and all ancillary equipment in order to maintain visual aesthetics to proximate residents and the traveling public. This is also an effort to satisfy the request of the property owner due to his concern of his horses coming into contact with the landscape buffer.*

(2) The following landscaping and buffering requirements shall apply to each communication tower around the perimeter of the tower and accessory structures;

provided, however, that these standards may be determined by the Planning Manager, based upon the intent of this section and sound and generally acceptable planning principles, to be unnecessary for those sides of the property on which a proposed tower will be located that are near to lands that are not likely to be developed or that are not likely to be adversely impacted by the communication tower or when the property on which the communication tower will be located is not in public view.

- *NOT APPLICABLE*

(3) Landscaping shall be installed on the outside of fences.

- *NOT APPLICABLE TO THIS APPLICATION*

(4) The use of existing vegetation shall be preserved to the maximum extent practicable and may be used as a substitute of or in supplement towards meeting landscaping requirements.

- *There will be no trees removed from this parcel during the installation of the Communication tower.*

(5) A row of canopy trees a minimum of eight (8) feet tall, two and one-half (2 1/2) inches in caliper, and a maximum of ten (10) feet apart shall be planted around the perimeter of the fence or at locations which enhance greater screening from other uses as determined by the Planning Manager.

- *NOT APPLICABLE*

(6) A continuous hedge at least twenty-four (24) inches high at planting of sufficient health and quality able to attain a height of at least thirty-six (36) inches within twelve (12) months shall be planted in front of the tree line.

- *NOT APPLICABLE*

(7) All landscaping shall be of the evergreen variety being a minimum quality of Florida #1.

- *NOT APPLICABLE*

(8) All landscaping shall be xeriscape tolerant or irrigated and properly maintained to ensure good health and viability.

- *NOT APPLICABLE*

(e) Structural design.

(1) Communication towers shall be constructed in accordance with the most current edition of the EIA/TIA 222-E Standards, as published by the Electronic Industries Association, any and all Seminole County construction/building codes, all applicable land development regulations and federal and state law.

- *This tower is being designed according to the standards set forth above in this section.*

(2) Any improvements and/or additions to a communication tower such as, by way of example only, antenna or satellite dishes, must be submitted for approval to the County

and shall require submission of plans sealed and verified by a professional engineer licensed in the State of Florida which provides substantial competent evidence of compliance with the then current EIA/TIA Standard. Said site plan shall be submitted to and subject to the approval of the Seminole County Building Official, or his or her designee.

(f) No commercial signage or advertising shall be permitted on a communication tower unless otherwise required by law or the signage pertains only to the posting of the property relative to trespassing.

- *No commercial signage or advertising is proposed or will be posted/installed at this proposed tower site other than what is required by law.*

(Ord. No. 96-5, § 30, 7-9-96; Ord. No. 02-53, § 1, 12-10-02).

Sec. 30.1367. Communication antennas.

- *NOT APPLICABLE*

Any communication antenna which is not attached to a communication tower shall be a permitted ancillary use to any commercial, industrial, professional, institutional, multi-family or utility structure provided that:

- (1) The communication antenna does not exceed more than twenty (20) feet above the highest point of the structure; and
- (2) The communication antenna complies with all applicable FCC and FAA regulations; and
- (3) The communication antenna complies with all applicable building codes and laws, rules and regulations.

(Ord. No. 96-5, § 32, 7-9-96).

Sec. 30.1368. Co-location of communication tower antennas.

(a) General policy relating to co-location. To minimize adverse visual impacts associated with the proliferation and clustering of communication towers, co-location of communication antennas by more than one (1) carrier on existing or new communication towers is encouraged. Additional communication antennas proposed on existing Communication Towers are permitted uses and may co-locate onto existing communication towers if they satisfy the requirements of this section and no special exception is required.

- *It is always the intent and desire of Sprint PCS, whenever possible, to co-locate on any or all co-locatable structures, including existing towers, water tanks, rooftops, etc... Unfortunately, there are no co-locatable structures in or around this area that would allow Sprint PCS to meet its coverage objectives and improve the coverage for the increasing demand of phone usage in the area.*

EXHIBIT 2

September 17, 2004

Planning and Development Department
Planning Division
Room 2202
1101 East First Street
Sandford, FL 32771

By Hand Delivery

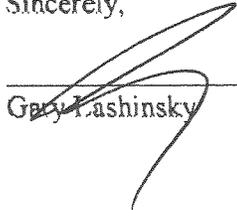
RE: Agent Authorization

Dear Seminole County Planning & Development Department,

We, Gary Lashinsky & Elizabeth A. Lashinsky, do hereby authorize Richard Shirah & Jay Shirah to act as agents on our behalf with regards to the Communication Tower Special Exception Application proposed to be located on our property at 1051 Van Arsdale Street, City of Oviedo, Seminole County, Florida. In addition, we give them the authority to sign any and all documents pertaining to this application and permitting process.

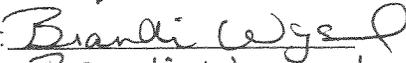
Should you have any questions, please feel free to call us at 407-366-0366.

Sincerely,



Gary Lashinsky

Witness: 
Print Name: Lyn Crosser

Witness: 
Print Name: Brandi Wygal


Elizabeth A. Lashinsky

Witness: 
Print Name: Lyn Crosser

Witness: 
Print Name: Brandi Wygal

Public Notary to the above signatures on the following page.

STATE OF FLORIDA

COUNTY OF

The foregoing instrument was (choose one) attested or acknowledged before me this SEP. 17, 2004 day of September, 2004, by Gary Lashinsky as an individual.

(AFFIX NOTARIAL SEAL)

Richard O. Shirah
(OFFICIAL NOTARY SIGNATURE)
NOTARY PUBLIC STATE OF GA.

My commission expires:

Notary Public, Glynn County, Georgia
My Commission Expires Oct. 15, 2007.

RICHARD O. SHIRAH
(PRINTED, TYPED OR STAMPED NAME OF NOTARY)
COMMISSION NUMBER:

STATE OF FLORIDA

COUNTY OF

The foregoing instrument was (choose one) attested or acknowledged before me this SEP. 17, 2004 day of September, 2004, by Elizabeth A. Lashinsky as an individual.

(AFFIX NOTARIAL SEAL)

Richard O. Shirah
(OFFICIAL NOTARY SIGNATURE)
NOTARY PUBLIC STATE OF

My commission expires:

Notary Public, Glynn County, Georgia
My Commission Expires Oct. 15, 2007.

RICHARD O. SHIRAH
(PRINTED, TYPED OR STAMPED NAME OF NOTARY)
COMMISSION NUMBER:

EXHIBIT 3



September 24, 2004

Planning and Development Department
Planning Division
Room 2202
1101 East First Street
Sanford, FL 32771

By Hand Delivery

RE: RF Engineer Statement of justification

Dear Planning and Development Department,

As is required in item "O" of Section 1.4 in the Application for Special Exception, this letter is to provide a "statement of justification...to explain delineation of identified search ring, proposed capacity, and how the request furthers the policy intent of the Land Development Code." Item "b (1-8)" of Section 30.1362, Legislative Purpose and Intent, will be addressed in this statement. In addition, this statement contains, as an attachment, both pages of the search ring and the coverage objectives of this site, which will be discussed at length.

(1) To accommodate the growing need for communication towers;

It is always the intent and preference of Sprint PCS to co-locate whenever possible on existing towers, water tanks, rooftops, etc. Attached to this letter is copy of our search ring. Above the color coded map in the "RF Design" comments, it plainly states, "Any building or support structure meeting the height requirement within the search area should be submitted as a candidate." This is our preference for several reasons including cost, less property management, and to limit the number of towers constructed in and around our customers. While we are aware of our customers' concerns regarding the location of towers, Sprint is not always able to provide quality service without the construction of a tower. According to Business Week Online, Sprint is expected to be the fastest growing U.S. Telecom company this year. This being the case, there is an increasing demand for Sprint PCS' service, and therefore, an increasing demand for "cell sites." Since there is no co-locatable structure for this particular site, the approval of this particular tower site will certainly "accommodate the growing need for communication towers," as is stated in section A(1) of the purpose and intent.

(2) To encourage and direct the location of communication towers in the County to the most appropriate locations considering sound planning and land use practices, to insure compatibility between communication towers and abutting land uses, to provide for adequate setback requirements between communication towers and abutting and proximate land uses, to provide for adequate separation requirements between communication towers, to provide for the needs of the communication industry, to provide for the needs of the public, to provide for the protection of private property rights, to provide for developments in technology, impacts, and to provide for the requirements of federal, state and local law;

We encourage our site acquisition consultants to locate tower sites appropriately while considering our customers and sound planning. Again, we are aware that our tower sites are being located among our customers. This particular site is being located on a property that is currently a commercial use, and within an area of a variety of uses (i.e. a church, light residential, youth rehabilitation center, and other horse training facilities). Therefore, we feel as though we have located this site to be compatible with surrounding land uses. This tower site exceeds the tower separation requirements of the ordinance and will provide co-location opportunities for other carriers, thereby minimizing the future number of towers in this area. As will be discussed later in this statement, Sprint's coverage in this area is well below what their customers demand from a leader in the industry. Therefore, the "needs of the public" can be improved and met in this area with this application approval. Considering the current commercial use of this property, it is our opinion that this tower site is compatible with surrounding land uses and in no way inhibits the protection of private property rights.

(3) *To protect residential areas and land uses from the potential adverse impacts of communication towers when placed at inappropriate locations or permitted without adequate controls and regulation consistent with the provisions of law;*

The proposed site is an accessory use on a parcel that is zoned A-5. The parent parcel presently has a commercial use with the offices of White Stallion Productions located on site as well as a horse training facilities. The area around the parent parcel is zoned agricultural with a variety of uses. The residential uses are on tracts of lands that are mixed in with commercial uses, including other horse training facilities, a church, and a parcel that was recently used as a youth rehabilitation center. In addition, we are pursuing approval of property owners that are located within the prescribed use separation distance.

(4) *To minimize the adverse visual impacts resulting from communication towers through sound and practical design, siting, landscape screening, and innovative camouflaging techniques all in accordance with generally acceptable engineering and planning principles and the public health, safety and welfare;*

The proposed tower will be a 197 foot monopole tower which is generally perceived to be the least visually intrusive tower when compared to a guyed or lattice type tower. The height required to meet the RF objective for this site is such that there is no camouflage type tower that would be aesthetically compatible for the surrounding area.

(5) *To avoid potential damage to adjacent properties through sound engineering and planning and the prudent and careful approval of communication tower sites and structures;*

This tower site is being designed and will be constructed to the standards set forth by Federal, State, and local law that are designed to protect the health, safety, and welfare of the public.

(6) *To promote and encourage shared use of existing and new communication tower sites and towers as a primary option rather than construction of additional single-use towers;*

As stated earlier, it is our preference to co-locate on any existing structure. Unfortunately, there are absolutely no existing structures in or around this search area to consider for co-location. However, this tower is being designed to accommodate three (3) carriers in addition to Sprint PCS.

(7) *To evaluate current trends and projected areas of advancement relative to communication towers, the telecommunications industry and related matters on an ongoing basis;*

The current trends of consumers indicates an increasing demand for a variety of wireless products. The industry is rapidly developing products that offer better wireless telephone coverage, e-mail service, and video conferencing. Wireless products that make today's businesses as efficient as they are cannot be possible without the use of towers.

(8) *To provide the County with the information pertaining to enhanced and new uses of communication towers and the systems to which they relate.*

Communication towers are being used to make individuals and businesses much more efficient by offering wireless e-mail services, video conferencing, and cell phone services. Other wireless providers such as broadband companies and wireless internet companies are also using towers to provide wireless services. E911 also uses towers for their services, which are becoming more and more apart of the safety and welfare of our communities.

Please find the attached Search Area Request Form (search ring). The search ring is drawn in red and the coverage objective ring is drawn in black. In order to meet the coverage objective, a site must be located in the search ring. Just to the right of the search ring map is a color coded legend for the map. Basically, the colors in the legend go from top/best existing coverage to bottom/poor-to-no existing coverage. The bottom right of the Site Acquisition Request Form details the design/coverage objectives for this site.

This site is designed to cover Northeast Oviedo, Geneva, and County Road 426. Almost the entire search ring is color coded gray and red, the poorest areas of coverage for Sprint PCS in this area, leaving all customers along this road or in this area without coverage. This site is designed to cover approximately 25,375 "Pops," as is indicated in the section to the right of the search ring map. (Pops is a representation of the population calculated

by the most recent census. Basically, one "pop" equals one person.) By building the proposed tower, we have projected that Sprint will meet 100% of the "Pops" objective.

As is noticeable on the search ring map, we have noted all existing towers and existing Sprint PCS sites. We have considered co-locating on the sites noted in the map where we currently are not located. Unfortunately, doing so would create an enormous amount of coverage overlap with our existing sites. By creating overlap, the coverage projections are substantially reduced, which deems the sites almost ineffective and certainly a waste of resources.

I hope that this RF Justification Statement has provided a thorough understanding of the need for this Communication tower site. Should there be any questions, or if you need additional information regarding the objectives or specifics of this proposed site, please make the agent of this application, Jay Shirah, aware of your needs. He will forward all information and requests to me and I will immediately be in touch with you.

Sincerely,

A handwritten signature in black ink, appearing to read "Learie Hercules", with a large, stylized flourish above the name.

Learie Hercules
RF Engineer

Sprint PCS

Site Acquisition Request Form

Market and Source Data	
Market:	Sprint PCS
Phase:	Orlando
Date:	5
	May 15, 2003
RF Engineer:	David Coniglio
Telephone:	407-475-2022
Mobile:	407-230-9743
Additional Contact:	Scott McElligott

Search Ring Information		Market Final Rank
Site Number:	OR60XC516	56
Site Name:	Solution 98 Big Econ	
City/Town Name:	Orlando	
Zip Code:	32765	
Center of Search Latitude:	28.687	
Center of Search Longitude:	-81.1646	
Ground Elevation AMSL (ft):	23	
Centerline AGL (ft):	Min: 170; Max190; Preferred 190	
Morphology:	Suburban	

Projected Antenna Building Layout Plan	
Initial Configuration	3-sector site
Antenna Orientation (initial estimate)	0, 120, 240
Antenna Type/Configuration	Panel/ 2 per sector
Equipment Type	Full Site Metrocell
Vendor	Nortel

Additional RF design criteria for Repeaters sites only

RF Design Comments

A monopole may be required in the search area. Power connection and enough room to house equipment along with room for growth cabinet and backup power supply is a requirement. Any building or support structure meeting the height requirement within the search area should be submitted as a candidate.

RF Coverage Objectives	Legend	Sprint_Ec														
	<ul style="list-style-type: none"> △ Design Location # On Air Site # Not On Air Site . Friendly Site — Search Area — Coverage Objective 	<table border="1"> <tr><td>■</td><td>.74 to 0</td></tr> <tr><td>■</td><td>.79 to .74</td></tr> <tr><td>■</td><td>.84 to .79</td></tr> <tr><td>■</td><td>.89 to .84</td></tr> <tr><td>■</td><td>.98 to .89</td></tr> <tr><td>■</td><td>.103 to .98</td></tr> <tr><td>■</td><td>.120 to .103</td></tr> </table>	■	.74 to 0	■	.79 to .74	■	.84 to .79	■	.89 to .84	■	.98 to .89	■	.103 to .98	■	.120 to .103
	■	.74 to 0														
■	.79 to .74															
■	.84 to .79															
■	.89 to .84															
■	.98 to .89															
■	.103 to .98															
■	.120 to .103															
<p>Design Criteria:</p> <p>Required Signal Density: -96.14 dBm/pop</p> <p>Total Pops to be covered: 25375</p> <p>Avg dB Increase/Pop: 7.92 dB</p>																
<p>Must Cover:</p> <p>Northeast Oviedo, Geneva and County Road 426</p>																

Possible Site Candidates/Miscellaneous Site Information				
Cand #	Address	Description	Location Type	Possible Antenna Mount
1				
2				
3				
4				
5				
6				

Sprint PCS Site Acquisition Request Form

Market and Source Data	
Client:	Sprint PCS
Market:	Orlando
Phase:	5
Date:	May 15, 2003
RF Engineer:	David Coniglio
Telephone:	407-475-2022
Mobile:	407-230-9743
Additional Contact:	Scott McElligott

Search Ring Information	
	Market Final Rank 56
Site Number:	OR60XC516
Site Name:	Solution 98 Big Econ
City/Town Name:	Orlando
ZipCode:	32765
Center of Search Latitude:	28.687
Center of Search Longitude:	-81.1646
Ground Elevation AMSL (ft):	23
Centerline AGL (ft):	Min: 170; Max190; Preferred 190
Morphology:	Suburban

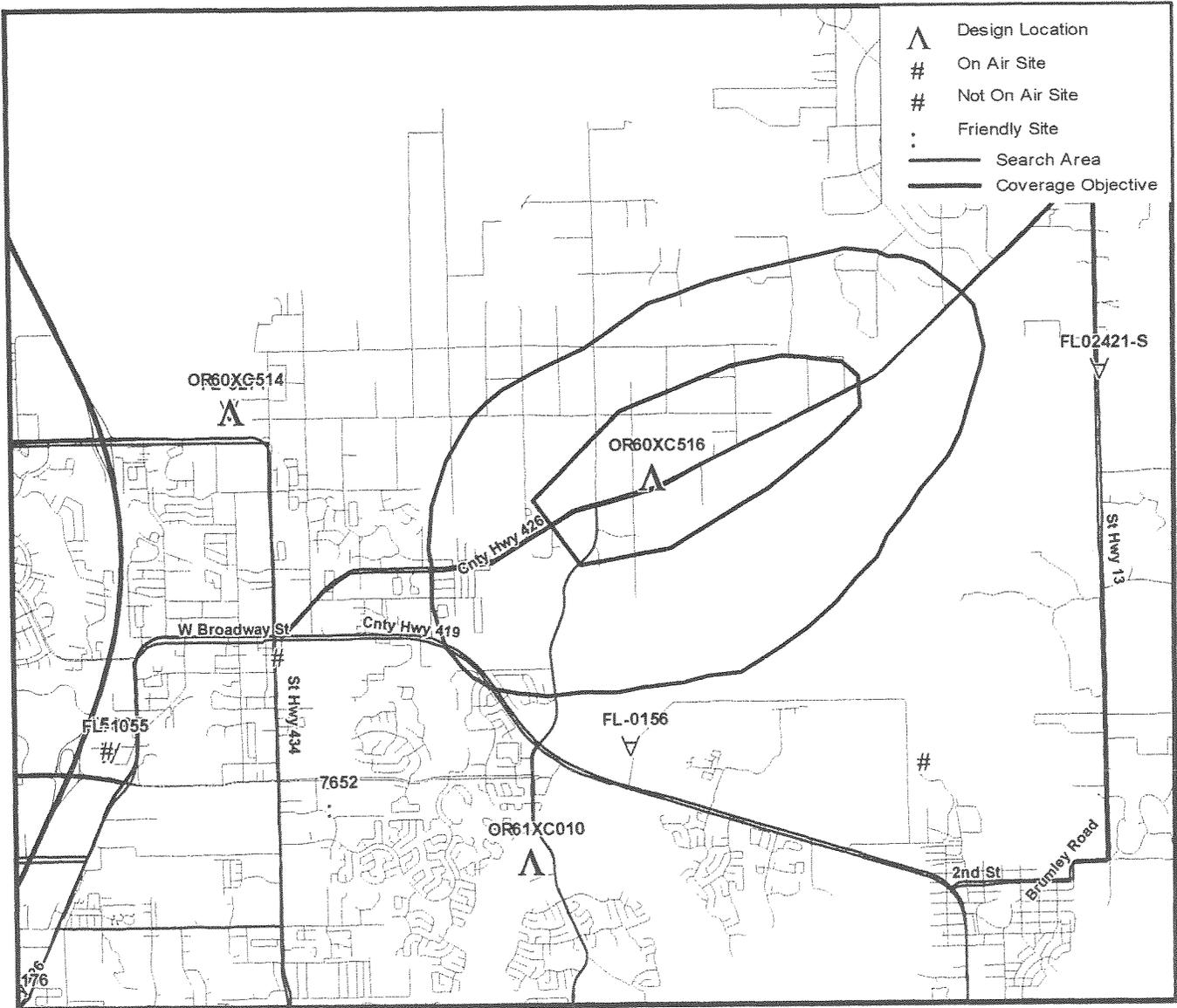
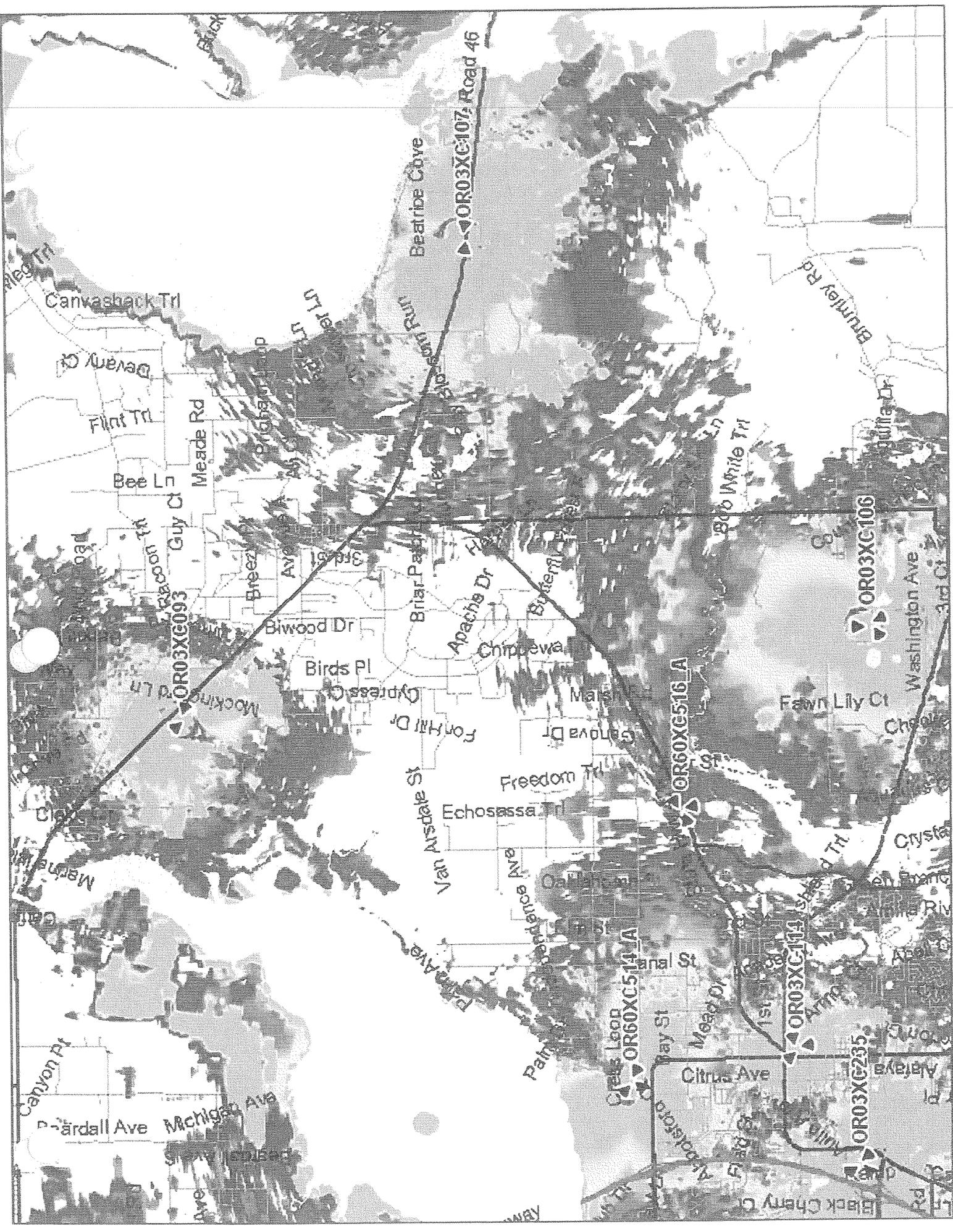


EXHIBIT 4



OR03XC107, Road 46

OR03XC093

OR60XC516 A

OR03XC106

OR60XC514 A

OR03XC113

OR03XC235

EXHIBIT 5

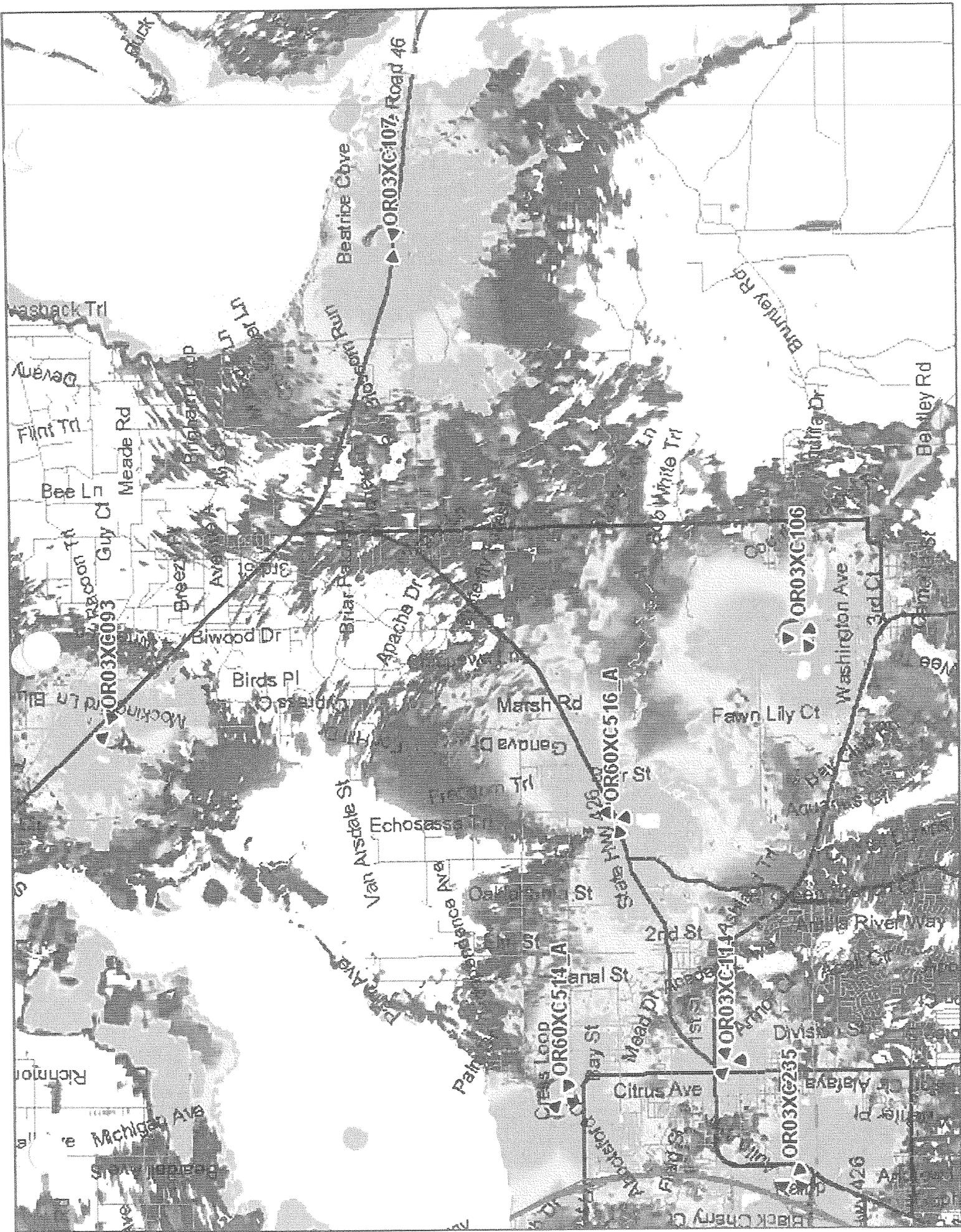


EXHIBIT 6

PHOTO SIMULATION ONLY

VIEW FROM VAN ARSDALE RD AND CR 426

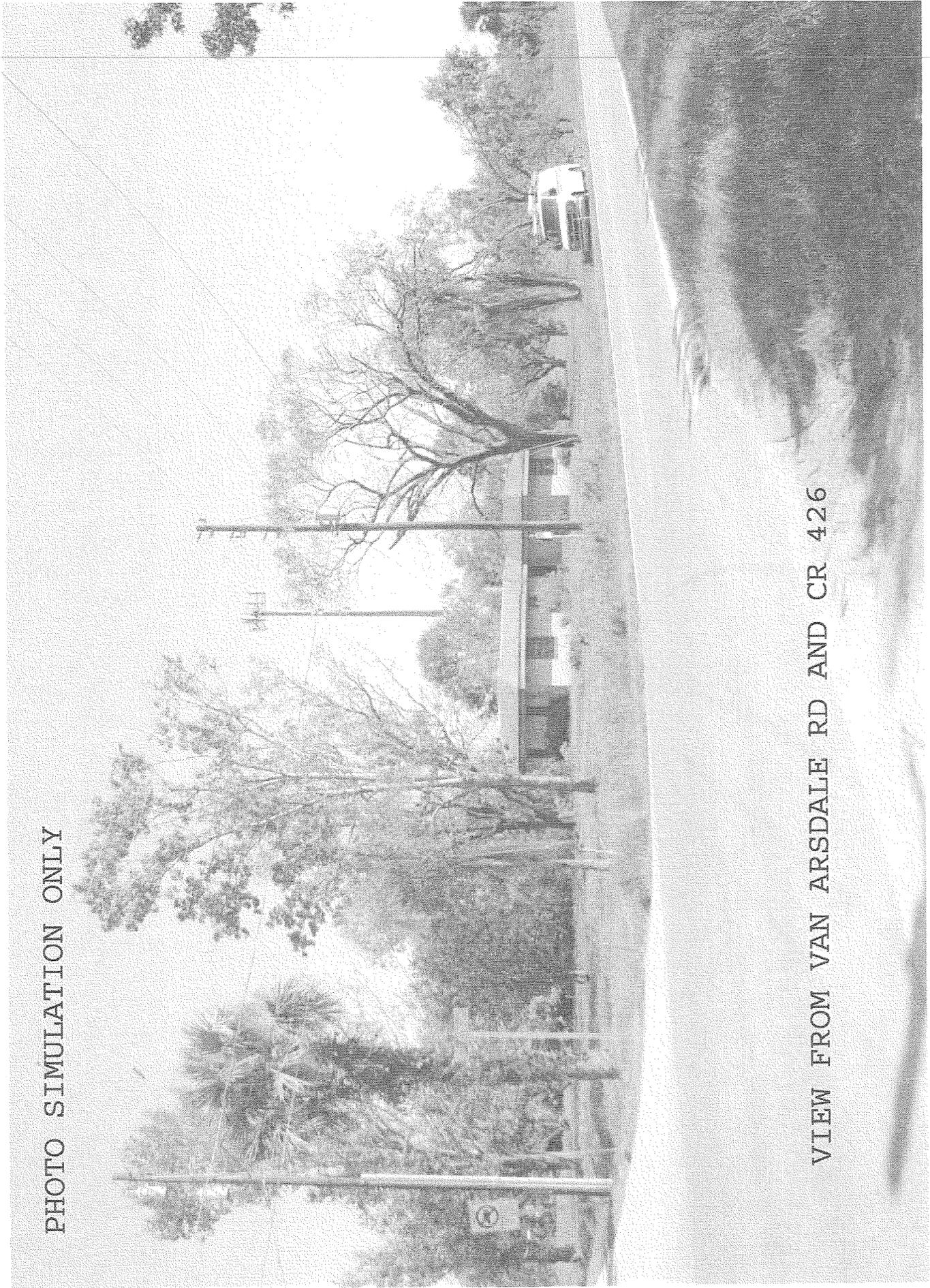
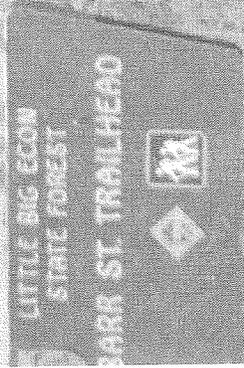


PHOTO SIMULATION ONLY



VIEW FROM LITTLE BIG ECON FOREST

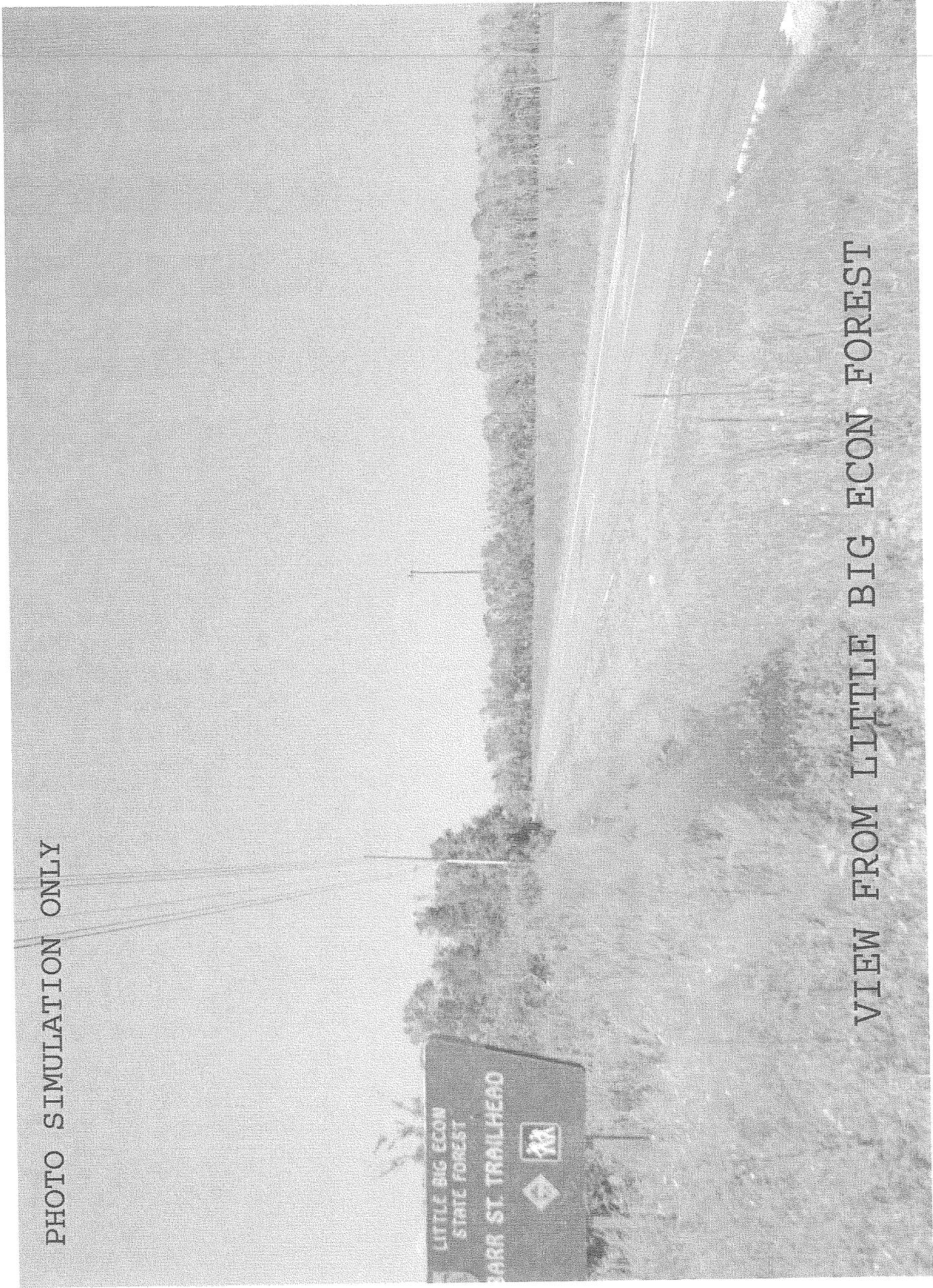


EXHIBIT 7

OR60XC516A WHITE STALLION RAW LAND - MONOPOLE



6580 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
Services, Inc.
485 NORTH KELLER ROAD
OWIEDO, FL 32761
TEL: (770) 883-8813
FAX: (407) 461-1788

SITE INFORMATION

APPLICANT: SPRINT
6580 SPRINT PARKWAY
OVERLAND PARK, KS
66251
CONTACT: TIM BENNETT
PHONE: (913) 572-5729
SITE ADDRESS: 1051 VAN ARSDALE STREET
OWIEDO, FL 32789
SEMINOLE
COUNTY: 25-20-30-580-0000-4370
TAX MAP NO.: WHITE STALLION PRODUCTIONS
PROPERTY OWNER:
CONTACT: GARY LASHINSKY
PHONE: (407) 386-0386
LATITUDE: 28° 41' 08.98" N
LONGITUDE: 81° 09' 57.07" W
ZONING CLASSIFICATION: A-5
ZONING JURISDICTION: SEMINOLE COUNTY
POWER COMPANY: PROGRESS ENERGY
METER: BUDGET
PHONE: (407) 938-0718
TELEPHONE COMPANY: BELLSOUTH
PHONE: (407) 237-3882
ENGINEER: ALCOA WIRELESS SERVICES, INC.
1885 BLUEGRASS LAKES PKWY
ALPHARETTA, GEORGIA 30004
CONTACT: (770) 883-8813 EXT. 645
FAX: (770) 883-8877
AREA OF DISTURBANCE: ± 13,651 S.F.

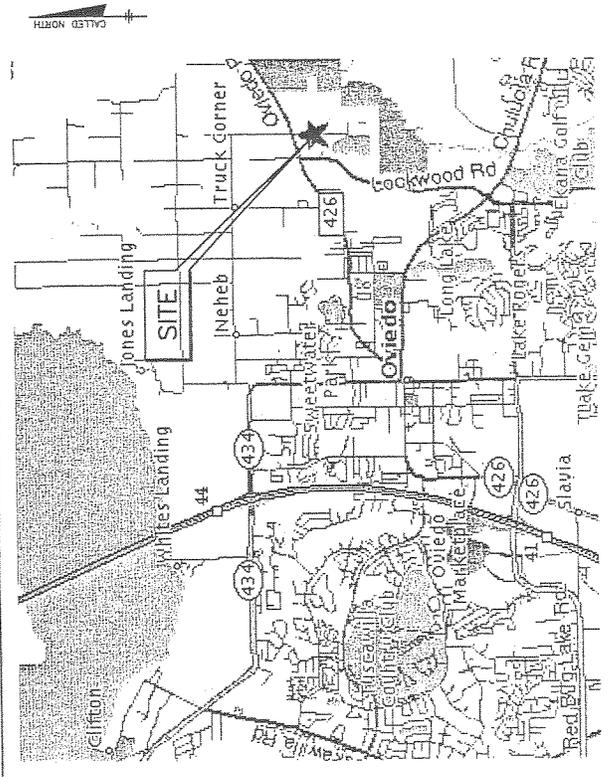
24 HOUR CONTACTS:

SPRINT NETWORK OPERATIONS
CONTROL CENTER (NCCC)
(888) 859-1400

CONTACT INFORMATION

ALCOA Wireless
Services, Inc.
1885 BLUEGRASS LAKES PKWY
ALPHARETTA, GEORGIA 30004
Office: (770) 883-8813
Fax: (770) 883-8813
CONTACT: MS. RANETTA GOSS
PHONE: (770) 663-8813 EXT. 645

LOCATION MAP



DRIVING DIRECTIONS

FROM 417 AND S.R. 434 GO SOUTH ON S.R. 434 APPROX. 2 MILES TO S.R. 426. GO EAST ON S.R. 426 APPROX. 2.8 MILES TO VAN ARSDALE STREET AND GO LEFT. THE PROPERTY IS ON THE RIGHT AT 1051 VAN ARSDALE STREET.

APPROVALS

SPRINT REPRESENTATIVE: _____
SPRINT RF ENGINEER: _____
SITE OWNER: _____

DRAWING INDEX

DRAWING NO.	DRAWING TITLE	REV. NO.	REV. DATE
T1	TITLE SHEET	3	9/21/04
C1	GENERAL NOTES AND LEGEND	0	5/24/04
C2	SURVEY (NOT USED)	0	5/24/04
C3	SITE PLAN	1	9/21/04
C4	DETAILED PLAN AND ELEVATION	2	9/21/04
E4.1	FOUNDING PLAN	1	9/21/04
C5	ANTENNA DETAILS	1	9/21/04
C6	SITE DETAILS	0	5/24/04
C7	SITE DETAILS AND CONCRETE NOTES	0	5/24/04
C8	SITE DETAILS	0	5/24/04
C9	FENCE DETAILS	1	9/21/04
C10	SITE DETAILS	0	5/24/04
C11	SITE DETAILS	0	5/24/04
L1	LANDSCAPE PLAN	2	9/21/04
L2	LANDSCAPE DETAILS	0	5/24/04
E1	UTILITY NOTES AND SYMBOLS	0	9/21/04
E2	UTILITY PLAN	1	9/21/04
E3	GROUNDING PLAN	2	7/26/04
E4	ELECTRICAL DETAILS	0	5/24/04
E5	ELECTRICAL DETAILS	0	5/24/04
E6	GROUNDING DIAGRAM	0	5/24/04
E7	ELECTRICAL DETAILS	0	5/24/04
E8	ELECTRICAL DETAILS	0	5/24/04
E9	ELECTRICAL DETAILS	0	5/24/04
E10	ELECTRICAL DETAILS	0	5/24/04

DO NOT SCALE DRAWINGS

CONSTRUCTION SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



UNDERGROUND SERVICE ALERT
CALL TOLL FREE
1-800-432-4770

18 INCHES MINIMUM DEPTH

PROJECT NO:	1011518	
DRAWN BY:	TJP	
CHECKED BY:	JD	
REV.	DATE	DESCRIPTION
3	9/21/04	REVISED FENCE
2	7/26/04	REVISED GROUNDING
1	06/22/04	REVISED PER COMMENTS
0	05/24/04	ISSUED FOR CONSTRUCTION
0	04/21/04	ISSUED FOR REVIEW

SEP 3 2004

EHAMMILL WOLFIN
FL P.E. #47073

IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS EXPLICITLY AUTHORIZED TO ACT BY THIS DOCUMENT, UNLESS EXPLICITLY NOTED TO THE CONTRARY, UNLESS EXPLICITLY NOTED TO THE CONTRARY, ALL LIABILITY ASSOCIATED WITH THE DESIGN, CONSTRUCTION OR THE INSTALLATION OF THE CIRCUITS HEREIN.

OR60XC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OWIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T1

LEGEND

- A CONTROL POINT
- X EXISTING SPOT ELEVATION
- X PROPOSED SPOT ELEVATION
- W WATER VALVE
- ⊙ SANITARY SEWER MANHOLE
- ⊙ EXISTING CONTOURS
- 275 PROPOSED CONTOURS
- 275 EXISTING CHAINLINK FENCE
- *—*—*— PROPOSED CHAINLINK FENCE
- *—*—*— EXISTING TREE LINE
- *—*—*— PROPOSED TREE LINE
- *—*—*— PROPOSED EASEMENT
- 8" SS EXISTING SANITARY SEWER
- 6 EXISTING NATURAL GAS LINE
- PROPOSED SILT FENCE
- PROPOSED TREE PROTECTION FENCE
- PROPOSED DRAINAGE SWALE
- 1 REPRESENTS DETAIL #
- STND REPRESENTS DETAIL LOCATED IN STANDARD SPECIFICATIONS AND DETAILS
- 1 REPRESENTS DETAIL #
- C7 REPRESENTS DETAIL LOCATION (SHEET NUMBER)

- CONSTRUCTION EXIT
- EXISTING UNDERGROUND ELECTRIC/TELEPHONE
- PROPOSED UNDERGROUND ELECTRIC/TELEPHONE
- EXISTING OVERHEAD ELECTRIC/TELEPHONE
- PROPOSED OVERHEAD ELECTRIC/TELEPHONE
- PROPERTY LINE
- LEASE AREA LINE
- BUILDING
- TREES, SHRUBS, BUSHES

DESIGN CRITERIA:

1. BUILDING CODE 2001 FBC W/ 2003 REVISION AND ASCE 7--98. WIND LOAD PER ASCE 7--98
 - A. BASIC WIND SPEED: 110 MPH (49 M/S), 3 SEC GUST
 - B. WIND IMPORTANCE FACTOR: 1.0 UNMANNED TELECOMMUNICATIONS FACILITY BUILDING CATEGORY II
 - C. WIND EXPOSURE: C
 - D. WIND PRESSURE COMPONENT & CLADDING 34 PSF (TOTAL LATERAL)
2. DEAD LOAD.
 - A. EQUIPMENT WEIGHT PER MANUFACTURER DATA
3. LIVE LOAD, 2 CASES
 - A. 20 PSF COMBINED W/ EQUIPMENT
 - B. 100 PSF NOT COMBINED W/ EQUIPMENT
4. SEISMIC LOAD DOES NOT GOVERN THIS DESIGN

GENERAL NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED
2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS, REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIALS, LITTER, AND ALL FOREIGN SUBSTANCES. REMOVE PETROCHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS TO A SMOOTH EVEN--TEXTURED SURFACE.
3. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE--GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA. EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 48 HOURS BEFORE YOU DIG, DRILL OR BLAST, CALL: THE UNDERGROUND SERVICES ALERT NUMBER ON SHEET T1
4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER OR THE OWNER'S REPRESENTATIVE.
5. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
6. THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.
7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATIONS, ETC.
9. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR.
10. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
12. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
14. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER OR OWNER'S REPRESENTATIVE ON THE DRAWINGS OR GEOTECHNICAL REPORT RECOMMENDATIONS.
15. CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING OR EQUIPMENT PAD AND THE TOWER.
16. PROPOSED TOWER FOOTING/FOUNDATION DIMENSIONS (IF ANY) ARE SHOWN FOR GENERAL INFORMATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACTUAL FOUNDATION DIMENSIONS WITH FINAL TOWER DESIGN AND FOUNDATION DESIGN AS PROVIDED BY TOWER MANUFACTURER.
17. IF NECESSARY, THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND REGRADING ROADWAY AND/OR FIELD FOLLOWING INSTALLATION OF UTILITIES.
18. NO COMMERCIAL MESSAGES TO BE DISPLAYED ON TOWER.
19. WATER AND SEWER SERVICES ARE NOT REQUIRED FOR THIS DEVELOPMENT.

FOUNDATION NOTES:

1. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 2000 PSF AND AN ALLOWABLE LATERAL PASSIVE PRESSURE OF 150 PSF/FT OF DEPTH. GENERAL CONTRACTOR TO ALLOW FOR THIRD PARTY TESTING OF SOILS PRIOR TO PLACING CONCRETE. COORDINATE TESTING WITH ALCOA WIRELESS SERVICES CONSTRUCTION MANAGER.
2. REFER TO CIVIL SHEETS FOR EXACT LOCATION AND ORIENTATION OF FOUNDATIONS.



8530 SPRINT FAIRWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
Services, Inc.
485 N. 10th Street
Suite 100
Mesa, AZ 85201
Phone: (480) 433-3733
Fax: (480) 481-1788

PROJECT NO:	1011510
DWNR BY:	TUP
CHECKED BY:	JD

REV	DATE	DESCRIPTION
0	05/24/04	ISSUED FOR CONSTRUCTION
1	04/27/04	ISSUED FOR REVIEW

EMMANUEL BOULIN
P. E. #14073

IT IS A VIOLATION OF LAW FOR ANY PERSON, FIRM OR CORPORATION TO REPRODUCE OR TRANSMIT IN ANY MANNER TO ANY OTHER PERSON, FIRM OR CORPORATION WITHOUT THE WRITTEN PERMISSION OF ALCOA WIRELESS SERVICES, INC. ALCOA WIRELESS SERVICES, INC. IS NOT RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF ANY INFORMATION CONTAINED HEREIN.

OR060516A
WHITE STALLION
1051 W. 10TH STREET
OVERLAND PARK, MO 66209
RAW LAND -- MONOPOLE

SHEET TITLE
GENERAL NOTES
AND
LEGEND

SHEET NUMBER
C1



6580 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
Services, Inc.
465 NEWPORT ROAD
SUITE 100
OVERLAND PARK, KS 66205
OFFICE (913) 681-1763
FAX (913) 681-1766

PROJECT NO: 1811.518
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
2	08/26/04	REVISED FENCE
1	08/22/04	RELOCATED METER RACK
0	08/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

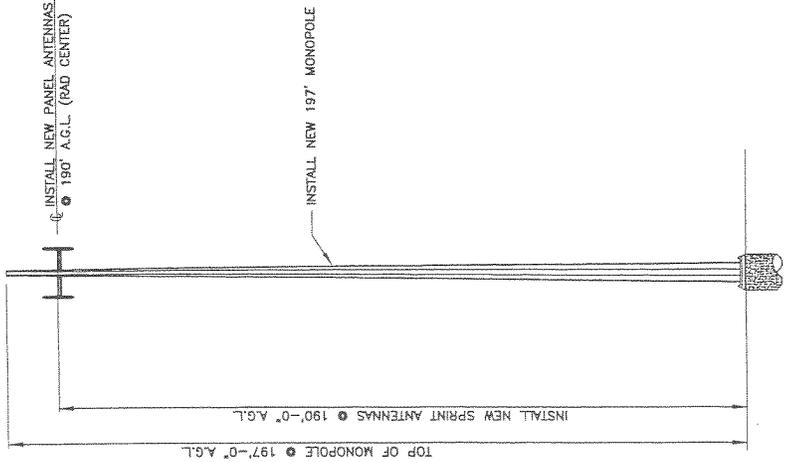
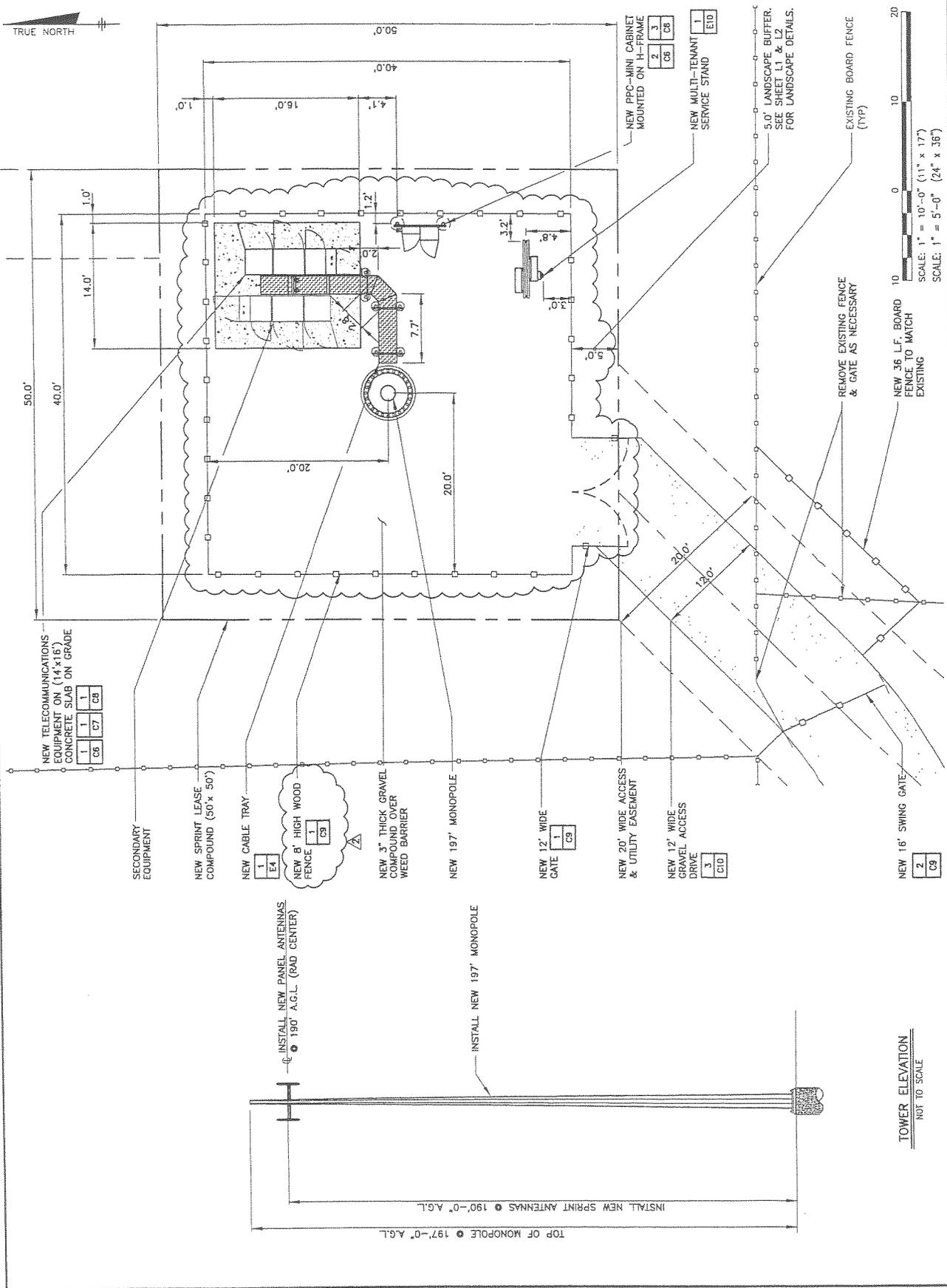
EMMANUEL PODJAN
FL. P.E. #40023
SEP 23 2004

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OR60XC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
DETAILED PLAN
AND
ELEVATION

SHEET NUMBER
C4



TOWER ELEVATION
NOT TO SCALE



6560 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
455 NORTH KELLEY ROAD
MOUNTAIN VIEW, FL 32751
OFFICE (907) 881-7485
FAX (907) 881-7126

PROJECT NO: 1011.518
DRAWN BY: TOP
CHECKED BY: JD

REV	DATE	DESCRIPTION
2	08/20/04	REVISED FENCE
1	06/22/04	RELOCATED METER RACK
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

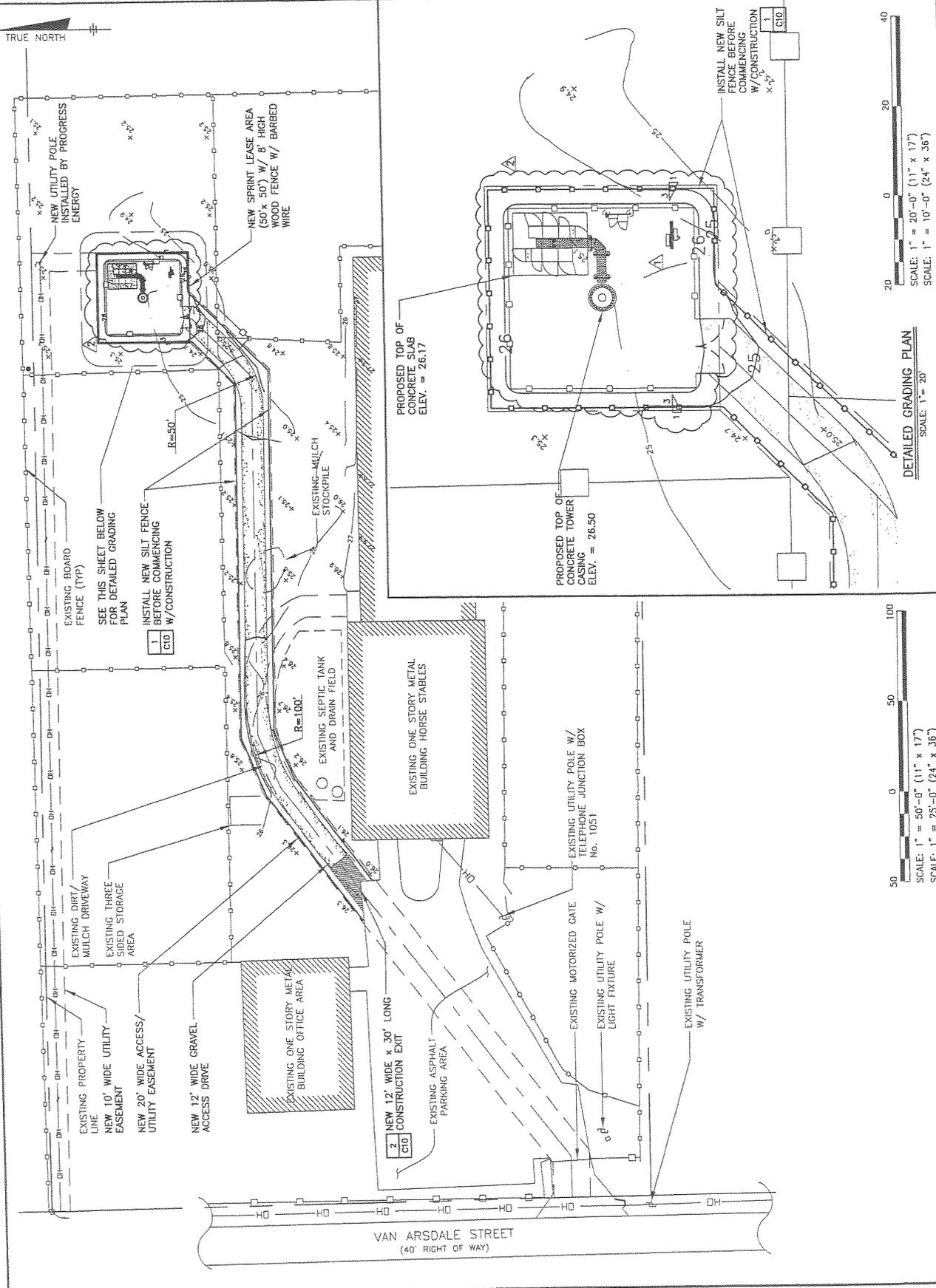
EMERSON POLLEN
1
SEP 23 2004

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OF A LICENSED PROFESSIONAL ENGINEER TO
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OR ANY PART THEREOF WITHOUT THE WRITTEN
CONSENT OF THE ENGINEER ASSOCIATED WITH THE
REG. ALUMINUM WORKS

OR60XC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OWIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
GRADING PLAN

SHEET NUMBER
C4.1





6500 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
Engineers, Inc.
485 HOBBS ROAD
SUITE 100
MARIETTA, GA 30067
FAX (407) 681-1789

PROJECT NO: 1611.516
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
1	08/22/04	REVISED FOR COMMENTS
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

[Signature]
JUN 24 2004
UNAPPROVED FOR
LAW FIRM
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THIS DOCUMENT IN ANY MANNER WITHOUT THE
WRITTEN PERMISSION OF THE
REGISTERED PROFESSIONAL ENGINEER OF THE
STATE OF FLORIDA.

OR60XC516A
WHITE STATION
1051 WAM ARSDALE STREET
OWIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
ANTENNA DETAILS

SHEET NUMBER
C5

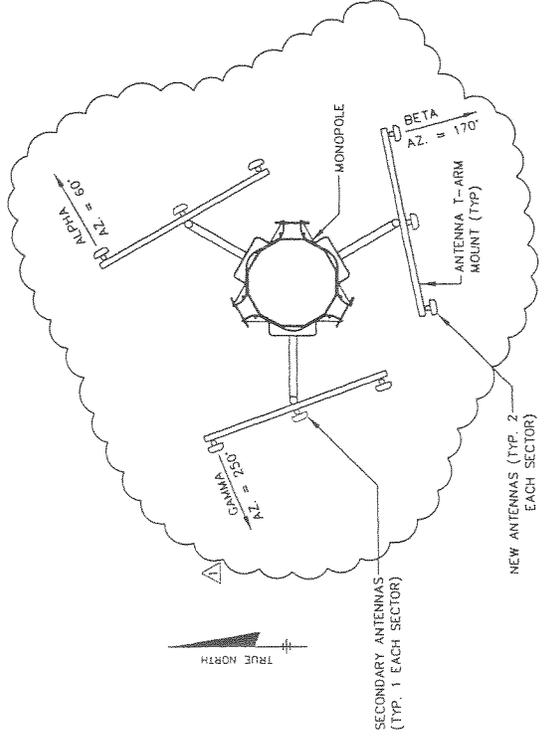
SITE ID: OR60XC516A

ANTENNA MODEL NO.	SECTOR 1 - ALPHA (2) DECIBEL 950G65RCE-M AZIMUTH = 60° MECHANICAL DOWNTILT = 0° ELECTRICAL DOWNTILT = 2°		SECTOR 2 - BETA (2) DECIBEL 950G65RCE-M AZIMUTH = 170° MECHANICAL DOWNTILT = 0° ELECTRICAL DOWNTILT = 2°		SECTOR 3 - GAMMA (2) DECIBEL 950G65RCE-M AZIMUTH = 250° MECHANICAL DOWNTILT = 0° ELECTRICAL DOWNTILT = 2°		GPS ANTENNA					
	FROM/TO	COAX CABLE TYPE/SIZE	LENGTH (FT.)	POS. 1 LINE 1	POS. 2 LINE 2	COAX CABLE TYPE/SIZE	LENGTH (FT.)	POS. 5 LINE 1	POS. 6 LINE 2	COAX CABLE TYPE/SIZE	LENGTH (FT.)	GPS
FROM ANTENNA TO MAIN COAX	1/2"	6	230	Y	OR	WH	1/2"	6	230	1/2"	30	N/A
FROM TOP JUMPER TO BOTTOM JUMPER	1 5/8"	6	230	Y	OR	WH	1 5/8"	6	230	1 5/8"	30	N/A
CABLE COLOR CODE				Y	OR	WH						

COAXIAL CABLE SCHEDULE
NOT TO SCALE

NOTES:

1. TYPE AND SIZE OF THE ANTENNA CABLES ARE BASED ON ESTIMATED LENGTH. PRIOR TO ORDERING CABLE, CONTRACTOR MUST VERIFY THE LENGTH BASED ON CONSTRUCTION LAYOUT AND NOTIFY ENGINEER IF ACTUAL LENGTH EXCEEDS ESTIMATED LENGTHS.
2. AS-BUILT DRAWINGS TO BE COMPLETED BY FIELD ENGINEER WITH ACTUAL LENGTHS.
3. AZIMUTHS ARE ORIENTED CLOCKWISE FROM TRUE NORTH.
4. UPON SUCCESSFUL COMPLETION OF THE SWEEP TEST, THE CONTRACTOR SHALL PROVIDE A WEATHERTIGHT SEAL ON THE COAX CABLES.
5. ADD CONNECTORS TO COAX CABLES AT TOP AND BOTTOM.



ORIENTATION PLAN
NOT TO SCALE



6540 SPRIK PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
Services, Inc.
445 HIGHLAND CENTER ROAD
MOUNTAIN VIEW, FL 32759
TEL: (407) 967-7198
FAX: (407) 967-7198

PROJECT NO: 1811.516
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/27/04	ISSUED FOR REVIEW

DATE: JUN 24 2004
DESIGNED BY: [Signature]
PROJECT NO: 1811.516

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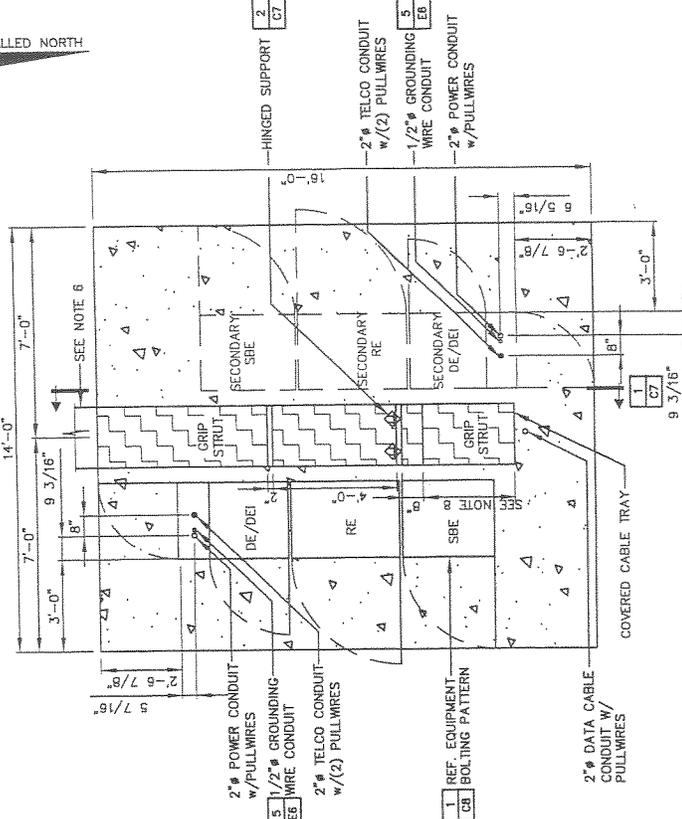
OR6DVC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
SITE DETAILS

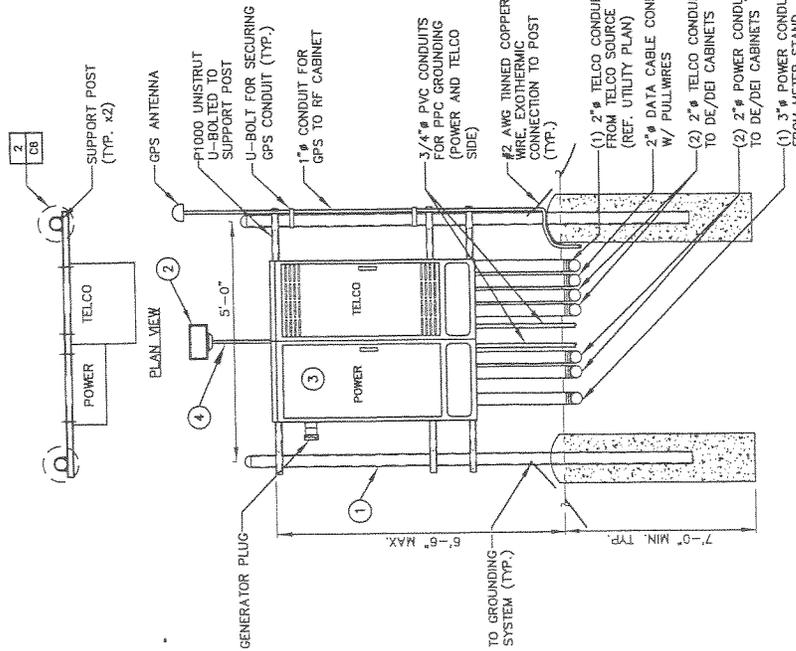
SHEET NUMBER
C6



NOTE: CONCRETE SLAB SURFACE TO BE BROOM FINISHED. SLAB TO BE LEVEL AND FLAT WITH 1/4"±



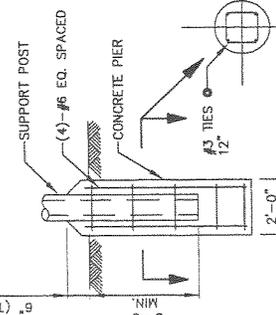
- NOTES:
- EQUIPMENT RACK SUPPORT POSTS SHALL BE 3" GALVANIZED STEEL PIPE W/CAP. CROSS MEMBERS SHALL BE UNISTRUT, ANCHORED TO POSTS W/ 3/8" U-BOLTS AND STAINLESS STEEL NUTS AND WASHERS.
 - PROVIDE 500 WATT QUARTZ, 120 VOLT, LITHIUM ION BATTERY APPROVED EQUIPMENT FLOODLIGHTS TO BE OPERATED WITH A MANUAL SWITCH.
 - PROVIDE COMBO LOCKS FOR PPC AND BTS CABINETS.
 - ROUTE 3" CONDUIT W/(2) #12 + (1) #12 G. FROM BREAKER ON PPC-MINI CABINET TO GALVANIZED 90° ELBOW FOR EQUIPMENT LIGHTING. U-BOLT CONDUIT TO UNISTRUT (MIN. 2 PLACES).



ELEVATION VIEW
PPC RACK DETAIL
NOT TO SCALE

GENERAL NOTES:
DIMENSIONS SHOWN ARE APPROXIMATE. EXACT DIMENSIONS MAY BE MODIFIED SLIGHTLY BASED ON EXACT EQUIPMENT OBTAINED. SITE CONDITIONS AND OWNER PREFERENCES.
POWER EQUIPMENT SHALL BE SQUARE D, SIEMENS, CUTLER-HAMMER OR GENERAL ELECTRIC. ALL EQUIPMENT MUST BE OF ONE MANUFACTURER.
UNUSED CONDUITS SHALL BE SEALED TO PREVENT MOISTURE INSIDE CONDUITS. UNUSED CONDUITS SHALL BE SEALED AFTER SERVICES HAVE BEEN RUN (IN METER CENTER, TELCO ENCLOSURE AND CARRIER EQUIPMENT).

- FOUNDATIONS SHOWN ARE TO BE USED AS A GUIDELINE ONLY. FOUNDATION SYSTEM SHALL BE COORDINATED WITH ACTUAL SITE CONDITIONS AS TO IMPACT OF EXISTING TOPOGRAPHY, FINISH GRADES AND GEOTEXTILE REQUIREMENTS.
- FOUNDATIONS HAVE NOT BEEN DESIGNED FOR SEISMIC LOADS. ENGINEER SHALL MODIFY SLAB DESIGN IN LOCATIONS WITH SEISMIC LOADS.
- REFER TO SITE PLAN FOR SLAB LOCATION AND ORIENTATION.
- ALL TRAY AND CONDUIT LOCATED ABOVE GRADE ACROSS A WALKING SURFACE SHALL BE MARKED WITH BLACK AND YELLOW HAZARD TAPE.
- INSTALL CONDUITS AND CUT FLUSH WITH SLAB AND PLUG, TYPICAL FOR FUTURE NORTH METROCELL EQUIPMENT.
- TERMINATE COAX CABLE AT RE CABINET OR AS SPECIFIED BY SPRINT CONSTRUCTION MANAGER
- ADD CONNECTORS TO COAX CABLES AT TOP AND BOTTOM.
- INSTALL GRIP STRUT & CABLE TRAY TO ADEQUATELY COVER ALL CABLES.



SUPPORT POST FOOTING
NOT TO SCALE

EQUIPMENT SLAB
NOT TO SCALE



6590 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wirebars
Spartan, Inc.
485 HERRING ROAD
MAYAGUEZ, P.R. 00755
TEL: (787) 881-1746
FAX: (787) 881-1748

PROJECT NO:	1611.516
DRAWN BY:	TJP
CHECKED BY:	JD

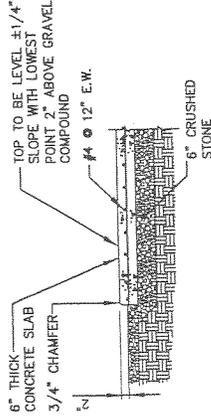
REV	DATE	DESCRIPTION
0	05/24/04	ISSUED FOR CONSTRUCTION
1	04/21/04	ISSUED FOR REVIEW

JUN 14 2004
 DUANE M. HOLLUM
 P.E. #24072
 I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA. MY EXPIRES DATE IS 12/31/04. I AM NOT PROVIDING MY SERVICES AS AN ENGINEER TO ANY OTHER PROJECTS AT THIS TIME. I AM NOT PROVIDING MY SERVICES AS AN ENGINEER TO ANY OTHER PROJECTS AT THIS TIME. I AM NOT PROVIDING MY SERVICES AS AN ENGINEER TO ANY OTHER PROJECTS AT THIS TIME.

OR60XCS16A
WHITE STALLION
1051 VAN ARSDALE STREET
OWIEDO, FL 32789
RAW LAND - MONOPOLE

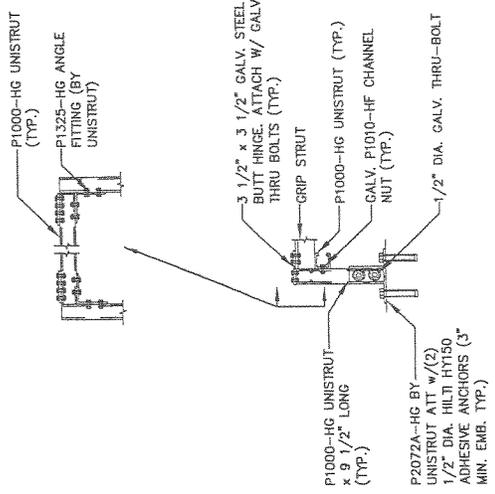
SHEET TITLE
SITE DETAILS
AND
CONCRETE NOTES

SHEET NUMBER
C7



NOTE: CONCRETE SHALL BE AIR ENTRAINED WITH THE NEUTRALIZED VINSOL SERIN, DAREX AEA OR SIKAA AEA. THE AIR ENTRAINMENT SHALL COMPLY WITH ASTM C260, LATEST EDITION WITH MINIMUM ENTRAINMENT AIR OF 3% TO 5%.

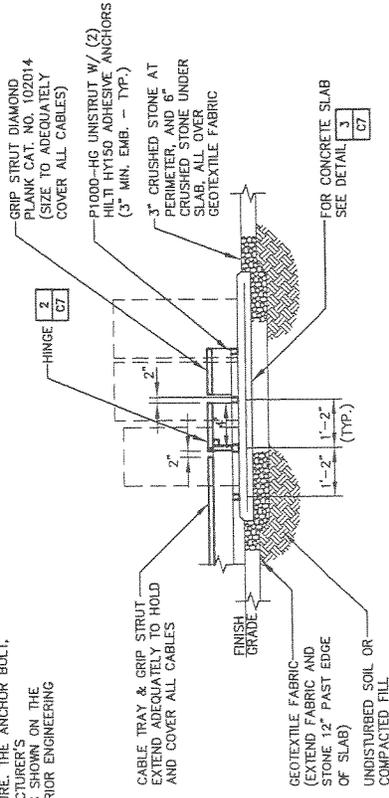
3 EQUIPMENT PAD/SLAB ON GRADE
NOT TO SCALE



2 HINGE DETAIL
NOT TO SCALE

- CONCRETE NOTES: (CONT'D)**
- CURING COMPOUNDS SHALL CONFORM TO ASTM C-309.
 - AD MIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI-301.
 - DO NOT WELD OR TACKWELD REINFORCING STEEL.
 - ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDING AND ALL OTHER EMBEDDED ITEMS TO BE FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
 - LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINT.
 - REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
 - PLACE CONCRETE IN A UNIFORM MANNER TO PREVENT THE FORMATION OF COLD JOINTS AND OTHER PLANES OF WEAKNESS. VIBRATE THE CONCRETE TO FULLY EMBED REINFORCING. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE THROUGH CHUTES OR FORMWORK.
 - DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
 - DO NOT ALLOW CONCRETE SURFACE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 14 DAYS AFTER PLACEMENT.
 - FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS MINIMUM.

- CONCRETE NOTES:**
- DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING APPLICABLE CODES:
ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS";
ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE";
ACI 319, "BUILDING CODE REQUIREMENTS FOR REPRESENTATIVE PRIOR TO PLACING CONCRETE.
 - MIX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING CONCRETE.
 - CONCRETE SHALL BE NORMAL WEIGHT, WITH A MAXIMUM 4" SLUMP, AND A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE NOTED.
 - MAXIMUM AGGREGATE SIZE SHALL BE 1".
 - THE FOLLOWING MATERIALS SHALL BE USED:
PORTLAND CEMENT: ASTM C 150, TYPE I
REINFORCEMENT: ASTM A 185
NORMAL WEIGHT POTABLE AGGREGATE: WATER: NON-CHLORIDE CONTAINING ADMIXTURES:
6. REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
 - THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
CONCRETE CAST AGAINST EARTH.....3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 AND LARGER2 IN.
#5 AND SMALLER & W/F1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR NOT CAST AGAINST THE GROUND, SLAB AND WALL3/4 IN.
BEAMS AND COLUMNS1 1/2 IN.
 - A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
 - INSTALLATION OF CONCRETE ANCHORS, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT AND SHALL BE SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT OR CLIPPED WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.



1 EQUIPMENT SLAB ELEVATION



6580 FRONT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wirelines
SUNBELT FENCE
405 WORTH HILLER ROAD
SALE, TX 75470
MAINTENANCE
OFFICE (409) 641-7243
FAX (409) 641-1186

PROJECT NO: 1811.510
DRAWN BY: TJP
CHECKED BY: JB

REV	DATE	DESCRIPTION
1	06/20/04	REVISED FENCE
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

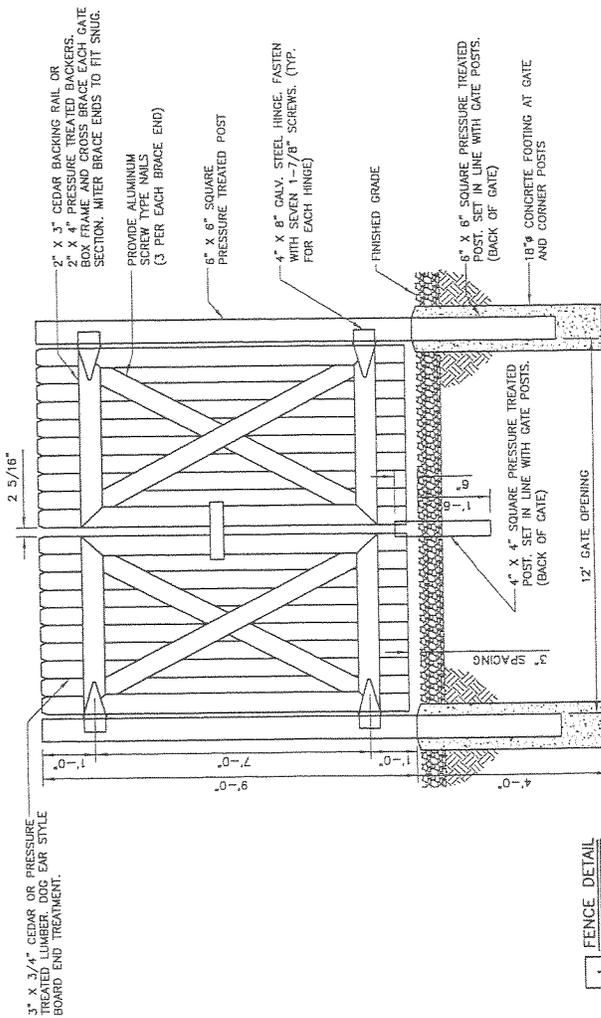
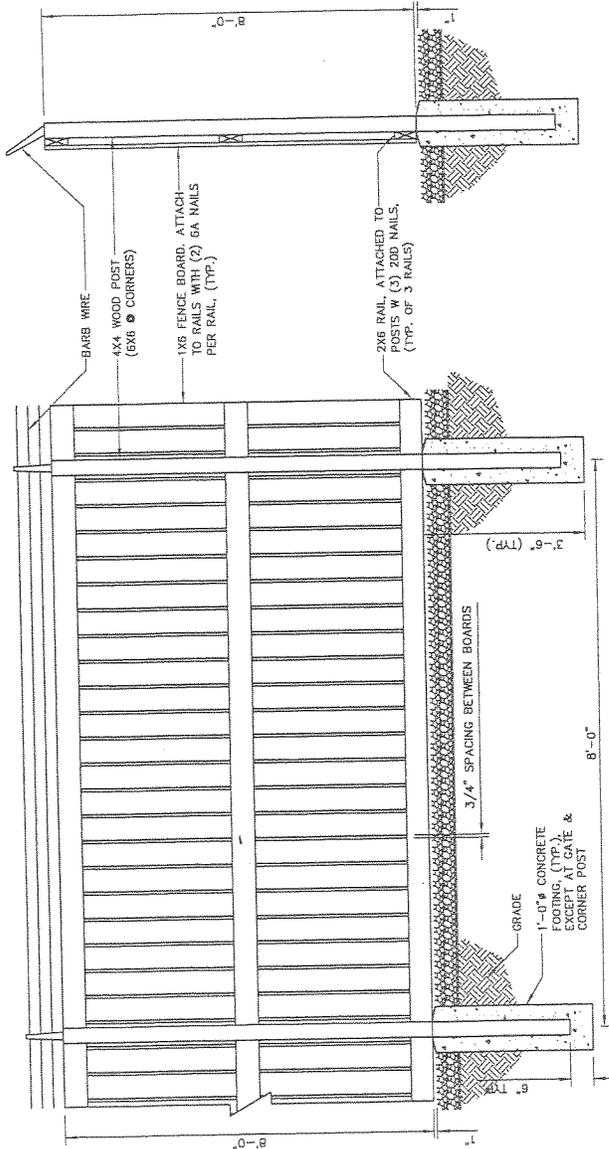
SEP 23 2004
EMANUEL POPILIN

IT IS A VIOLATION OF LAW FOR ANY PERSON
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF AN ARCHITECT OR ENGINEER REGISTERED IN
THIS JURISDICTION TO PREPARE OR SEAL THIS
DRAWING UNLESS EXPLICITLY AUTHORIZED TO DO
SO BY THE ARCHITECT OR ENGINEER. ANY
DISREGARD OF THESE REGULATIONS ASSOCIATED WITH THE
SEAL, ALTHOUGH NOT A VIOLATION OF THE
REGS, IS UNETHICAL BEHAVIOR.

0606XC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
FENCE DETAILS

SHEET NUMBER
C9



1 FENCE DETAIL
NOT TO SCALE



6500 SPRINT COUNTRY
OVERLAND PARK, KANSAS 66231



ALCOA WireMesh
4650 WEST WILLOW ROAD
MARIETTA, GA 30067
OFFICE (404) 861-1740
FAX (404) 861-1746

PROJECT NO: 1811.516
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

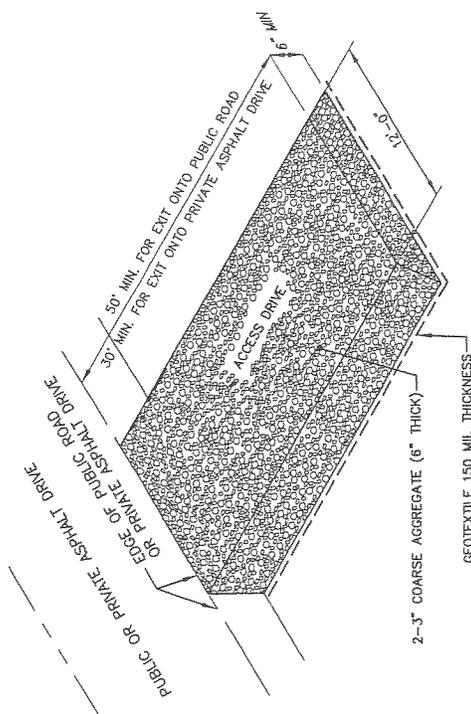
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EMMANUEL ROULIN
DATE: APR 4 2004

OROCXC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OWIEDO, FL 32789
RAW LAND - MONOPOLE

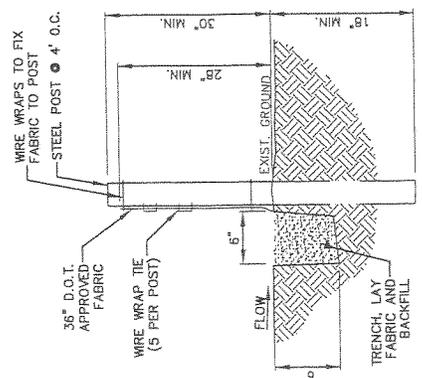
SHEET TITLE
SITE DETAILS

SHEET NUMBER
C10



2 CONSTRUCTION EXIT DETAIL
NOT TO SCALE

- SILT FENCE NOTES:**
1. THE FILTER FABRIC USED SHALL BE TYPE I OR II AND SHALL COMPLY W/ ALL NATIONAL, STATE AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).
 2. SILT FENCE HEIGHT SHALL BE A MINIMUM OF 2.5 FEET ABOVE GROUND HEIGHT.
 3. CONSTRUCT SILT FENCE OF A CONTINUOUS ROLL CUT THE LENGTH OF THE BARRIER TO AVOID JOINTS. FABRIC TO BE FASTENED SECURELY TO FENCE POSTS WITH 1 INCH STAPLES OR TIE WIRES.
 4. SUPPORT FABRIC WITH WOVEN WIRE MESH (TOP AND BOTTOM WIRES SHALL BE 10 GA., OTHER WIRES SHALL BE AT LEAST 12.5 GA.) OPENING SHALL BE 6" MAX. SPACING. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO POSTS WITH 1" STAPLES, NAILS OR TIE WIRES.
 5. POST FOR SILT FENCE SHALL BE STEEL.
 6. FENCE POST SPACING SHALL NOT EXCEED 4 FEET O.C.
 7. EXCAVATE A TRENCH APPROXIMATELY 6 INCHES WIDE AND 6 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UP SLOPE FROM THE BARRIER, BACK FILL THE TRENCH WITH #57 STONE PLACED OVER THE FILTER FABRIC.
 8. DO NOT ATTACH FILTER FABRIC TO EXISTING FENCES, TREES, ETC.
 9. REMOVE FENCING FOLLOWING STABILIZATION OF SLOPES AND ALL DISTURBED AREAS.

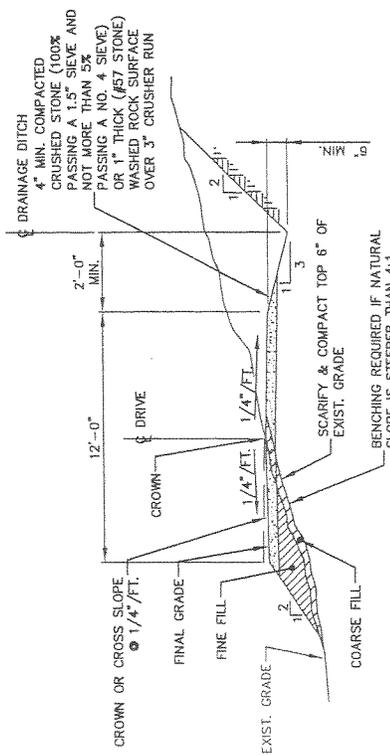


1 SILT FENCE DETAIL
NOT TO SCALE

NOTES:
IT IS THE RESPONSIBILITY OF THE SITE CONTRACTOR TO PROVIDE BUFFER AREA WHERE VEHICLES CAN DROP THEIR MUD AND SEDIMENT TO AVOID TRANSPORTING IT ONTO PUBLIC ROADS OR ADJACENT PRIVATE ASPHALT DRIVES.

EROSION & SEDIMENT CONTROL NOTES:

1. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.
2. PRIOR TO COMMENCING LAND DISTURBING ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
3. THE CONSTRUCTION OF THE SITE SHALL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL SHALL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED.
4. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
6. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
7. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
8. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 7 DAYS SHALL BE STABILIZED WITH SEEDING.



3 GRAVEL DRIVE SECTION
NOT TO SCALE



6580 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wirebars
Services, Inc.
465 HERSHMAN ROAD
STATE RD
MARIETTA, GA 30067
PHONE (404) 581-1768
FAX (404) 581-1768

PROJECT NO: 16111518
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
0	05/24/04	ISSUED FOR CONSTRUCTION
1	04/27/04	ISSUED FOR REVIEW

[Signature]
DATE: 5-22-04

D. P. E. POULIN
REGISTERED PROFESSIONAL ENGINEER
UNLESS THEY ARE ACTING UNDER THE DIRECTION
OF A LICENSED PROFESSIONAL ARCHITECT OR THE
ALCOA WIREBARS IN WIRING. ALCOA WIREBARS
IS NOT RESPONSIBLE FOR ANY DAMAGE TO THE
WIRING OR EQUIPMENT CAUSED BY THE
WIRING. ALTERATION OR MODIFICATION OF THE
WIRING IS AT THE USER'S RISK.

OR60XC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
SITE DETAILS

SHEET NUMBER
C11

DESCRIPTION	WEEK					
	1	2	3	4	5	6
SEDIMENT CONTROL - TREE PROTECTION	█	█	█	█	█	█
CLEARING, GRUBBING, GRADING,	█	█	█	█	█	█
TEMPORARY GRASSING	█	█	█	█	█	█
MAINT. OF EROSION CONTROL DEVICES	█	█	█	█	█	█
FINAL SURFACE COURSE	█	█	█	█	█	█
DISPOSITION OF SEDIMENT DEVICES	█	█	█	█	█	█
BUILDING CONSTRUCTION	█	█	█	█	█	█
CLEARING OF STORM DRAINS	█	█	█	█	█	█
FINAL LANDSCAPING	█	█	█	█	█	█

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

1 ACTIVITY SCHEDULE
NOT TO SCALE

TEMPORARY STABILIZATION (MULCHING)

WHEN SEEDING WILL NOT HAVE A SUITABLE GROWING SEASON
TEMPORARY STABILIZATION MAY BE ACCOMPLISHED WITH:

STRAW OR HAY - 2.5 TONS/ACRE, WOOD WASTE,
BARK, SANDUST - 2-3" DEEP (APPROX. 6-9
TONS/ACRE)

TEMPORARY SEEDING

SPECIES	SEEDING SCHEDULE			LIME
	RATE/1000 S.F.	DATES	TON/ACRE	
WINTER RYE	1.5 - 2 LBS.	9/1 - 11/1, 3/1 - 8/1	1 TON/ACRE	
*WEeping LOVEGRASS	2 - 3 LBS.	3/1 - 8/1	1 TON/ACRE	

*HYDROSEED ON ALL 2:1 (H:V) SLOPES.

SPECIES	FERTILIZER (LBS./ACRE)			K2 O2
	N2	P2O2	TON/ACRE	
WINTER RYE	60 - 90	120 - 180	120 - 180	
*WEeping LOVEGRASS	60 - 90	120 - 180	120 - 180	

PERMANENT SEEDING

SPECIES	SEEDING SCHEDULE			LIME
	RATE/1000 S.F.	DATES	TON/ACRE	
HULLED BERMUDA	2 LBS.	10/1 - 3/1	1 TON/ACRE	
UNHULLED BERMUDA	2 LBS.	2/15 - 6/15	1 TON/ACRE	
FESCUE	5 - 10 LBS.	9/1 - 11/1	1 TON/ACRE	

SPECIES	FERTILIZER (LBS./ACRE)			K2 O2
	N2	P2O2	TON/ACRE	
HULLED BERMUDA	60 - 90	120 - 180	120 - 180	
UNHULLED BERMUDA	60 - 90	120 - 180	120 - 180	
FESCUE	60 - 90	120 - 180	120 - 180	

2 STABILIZATION DETAIL
NOT TO SCALE



6550 SHIRLEY PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Waterways
Services, Inc.
4801 W. 119th Blvd
Suite 100
Overland Park, KS 66213
Office: (913) 661-1788
Fax: (913) 661-1788

PROJECT NO: 1811.218
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
0	05/24/20	ISSUED FOR CONSTRUCTION
1	06/27/20	ISSUED FOR REVIEW

[Signature]
JUN 24 2004
EXAMINER, POLY
FL. P.E. #20278

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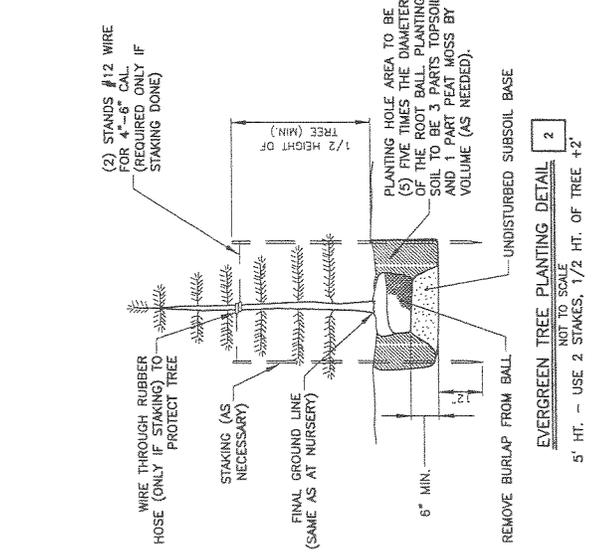
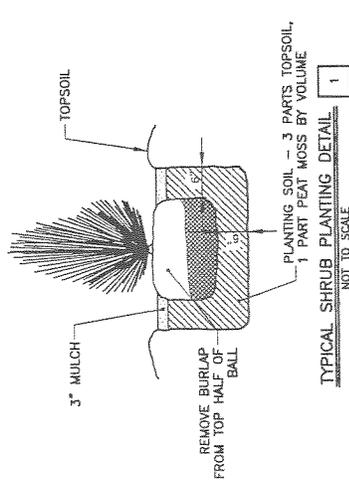
OR60XCS16A
WHITE STALLION
1051 VAN ARSDALE STREET
OWIEDO, FL 32789
RAW LAND - MONDPOLE

SHEET TITLE
LANDSCAPE DETAILS

SHEET NUMBER
L2

LANDSCAPE NOTES

- A. PROJECT INCLUDES**
- FURNISH, INSTALL, AND MAINTAIN LANDSCAPE WORK AS SHOWN ON THESE CONTRACT DRAWINGS OR AS IDENTIFIED HEREIN.
 - TREES, SHRUBS, AND GROUND COVER.
 - LAWNS.
 - TOPSOIL AND SOIL AMENDMENTS.
 - INITIAL MAINTENANCE OF INSTALLED LANDSCAPE MATERIALS.
 - PRUNING AND RELOCATION OF EXISTING PLANT MATERIALS.
 - RECONDITIONING OF EXISTING LAWNS AFFECTED BY CONSTRUCTION ACTIVITIES.
- B. QUALITY ASSURANCE**
- PLANTS AND TREES: BALLED AND BURLAPED PLANTS AND TREES SHALL BE GRADED TO AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1.
 - TESTING: LABORATORY TESTING OF EXISTING SOILS AND FILL MATERIALS FOR SUITABLE SOIL AMENDMENTS AND FERTILIZER SHALL BE PERFORMED BY THE LANDSCAPE CONTRACTOR.
 - CONTRACTOR SHALL PREPARE THE SURFACE OF DISTURBED AREAS PRIOR TO SEEDING.
 - FERTILIZER AND SEED SHALL BE APPLIED AT UNIFORM RATES AS DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
 - CONTRACTOR SHALL WATER SEEDED AREAS AS OFTEN AS REQUIRED TO OBTAIN SUFFICIENTLY AND TO OBTAIN AND MAINTAIN SATISFACTORY GROWTH.
 - THE STAND OF VEGETATIVE COVER RESULTING FROM SEEDING SHALL NOT BE CONSIDERED SATISFACTORY UNTIL ACCEPTED BY THE ENGINEER. IF AREAS ARE DETERMINED TO BE UNACCEPTABLE, THE MULCH WILL BE REMOVED AND ALL AREAS SHALL BE RESEED, REFERTILIZED AND REMULCHED PER RECOMMENDED APPLICATION PROCEDURES AT THE CONTRACTOR'S EXPENSE.
 - AFTER PLANTING OF VEGETATIVE COVER.
 - THE CONTRACTOR SHALL MAINTAIN THE VEGETATIVE COVER AREA, FOR THE PERIODS REQUIRED TO ESTABLISH AN ACCEPTABLE GROWTH, BUT NOT LESS THAN 60 DAYS AFTER THE COMPLETION OF PLANTING OF VEGETATIVE COVER. IF SEEDING IN THE FALL AND NOT GIVEN A FULL 60 DAYS OF MAINTENANCE, OR IF NOT CONSIDERED ACCEPTABLE BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN VEGETATIVE COVER UNTIL A FULL GROWING SPRING UNTIL ACCEPTABLE VEGETATIVE COVER STAND IS ESTABLISHED.
- C. PRODUCTS**
- PLANT MATERIALS SHALL BE AS SHOWN ON THESE CONTRACT DRAWINGS AND MAY BE ANY COMBINATION OF THE FOLLOWING:
 - DECIDUOUS TREES.
 - DECIDUOUS SHRUBS.
 - CONIFEROUS AND BROAD LEAVED EVERGREEN TREES AND SHRUBS.
 - GROUND COVER.
 - PLANTS.
 - LAWNS: LAWN MAY BE ANY OF THE FOLLOWING, AS APPROVED BY THE ENGINEER: SEED, NEW GRASS SEED MIXTURE, SOD, STRONGLY ROOTED, 2 YEARS OLD, OR SOD PLUGS AND SPRIGS.
 - TOPSOIL: FERTILE, FRAGILE TOPSOIL FROM OFFSITE, OR FROM SITE STOCK, WITH ADDITIONAL MIXED-IN FERTILE, FRAGILE TOPSOIL FROM LOCAL SUPPLIERS OF TOPSOIL.
 - SOIL AMENDMENTS: THE SOIL AMENDMENTS MAY BE ANY OF THE FOLLOWING, AS REQUIRED OR INDICATED IN THE LABORATORY TESTING REPORTS.
 - LIME: DOLOMITIC LIMESTONE.
 - ALUMINUM SULFATE: COMMERCIAL GRADE.
 - PEAT HUMUS: FINELY DIVIDED PEAT.
 - SUPERPHOSPHATE: 20 PERCENT AVAILABLE PHOSPHORIC ACID.
 - SAND: CLEAN, WASHED SAND.
 - PERLITE: NBS PS 23.
 - SAWDUST: ROTTED SAWDUST FREE OF CHIPS AND STONES.
 - MANURE: ROTTED STABLE MANURE.
 - COMMERCIAL FERTILIZER: NEUTRAL CHARACTER FOR PLANT MATERIALS.
 - MULCH: SHREDDED HARDWOOD MULCH.
 - LANDSCAPE MATERIALS: THE LANDSCAPE MATERIALS MAY BE ANY OF THE FOLLOWING, AS SHOWN ON THESE CONTRACT DRAWINGS.
 - GRAVEL: WATER-WORN GRAVEL.
 - AMPHIBIOUS MULCH: SEED-FREE SALT HAY OR THRESHED STRAW.
 - ANTI-DESICCANT: EMULSION TYPE, FILM-FORMING.
 - FLASHTON FIBRIC: POLYETHYLENE, 8 MILS.
 - OR POLYPROPYLENE FABRIC.
 - WRAPPING: TREE-WRAP TAPE.
 - STAKES AND GUYS: NEW HARDWOOD, TREATED SOFTWOOD, OR REDWOOD.
 - METAL EDGING: COMMERCIAL STEEL EDGING.
 - WOOD HEADERS AND EDGING: ALL HEART REDWOOD OR PRESSURE TREATED SOUTHERN YELLOW PINE.





6850 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
Solutions, Inc.
460 North Bellin Road
Maitland, FL 32751
407-881-7300
407-881-7308

PROJECT NO: 1611.018
DRAWN BY: JUP
CHECKED BY:

REV	DATE	DESCRIPTION
0	06/24/04	ISSUED FOR CONSTRUCTION
1	06/27/04	ISSUED FOR REVIEW

Warren Hickson
WARREN HICKSON
P.E. No. 251884

STATE OF FLORIDA
I, J. PAUL BROWN, COUNTY CLERK,
DO HEREBY CERTIFY THAT THE FOREGOING
IS A TRUE AND CORRECT COPY OF THE
ORIGINAL AS SUBMITTED TO THE
STATE ARCHIVES FOR RECORDING AND TO THE
ALCOA WIRELESS SOLUTIONS, INC. AS THE
RECORD. A TESTIMONY OF ADOPTION OF THE
ORIGINAL RECORD.

DR60XCS16A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
UTILITY NOTES
AND
SYMBOLS

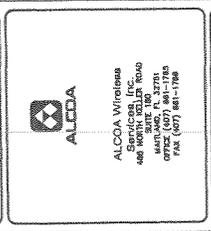
SHEET NUMBER
E1

- ABBREVIATIONS**
- AHJ AUTHORITY HAVING JURISDICTION
 - AWG AMERICAN WIRE GAUGE
 - BCW BASE COPPER WIRE
 - BTB BASE TRANSMISSION SYSTEM
 - CIGBE COAX ISOLATED GROUND BAR EXTERNAL
 - DE/DEI DIGITAL ENCLOSURE/DIGITAL ENCLOSURE INTERFACE
 - DIA DIAMETER
 - DWG DRAWING
 - EMT ELECTRICAL METALLIC TUBING
 - GEN GENERATOR
 - GPS GLOBAL POSITIONING SYSTEM
 - I WALKING BEAM INTERLOCK
 - IGR INTERIOR GROUND RING (HALO)
 - MIGB MASTER ISOLATED GROUND BAR
 - NEC NATIONAL ELECTRIC CODE
 - PCS PERSONAL COMMUNICATION SYSTEM
 - PPC POWER PROTECTION CABINET (SOMETIMES REFERRED TO AS A PPC-MINI)
 - PVC POLY VINYL CHLORIDE
 - RE RADIO ENCLOSURE
 - RGS RIGID GALVANIZED STEEL
 - RWY RACEWAY
 - SBE SIMPLIFIED BATTERY ENCLOSURE
 - SCI SPRINT COMMUNICATIONS INCORPORATED
 - SS STAINLESS STEEL
 - SSLP SPRINT SPECTRUM LIMITED PARTNERSHIP
 - THWN THERMAL HEAT WATER NYLON TYP.
 - Ø DIAMETER OF CONDUIT

- ELECTRICAL SYMBOLS**
- CHEMICAL GROUND ROD
 - GROUND ROD
 - CADWELD TYPE CONNECTION
 - COMPRESSION TYPE CONNECTION
 - DISCONNECT BREAKER SWITCH
 - METER
 - CIRCUIT BREAKER
 - GENERATOR
 - GENERATOR RECEPTACLE
 - GROUNDING WIRE
 - REPRESENTS DETAIL NUMBER
 - REF. DRAWING NUMBER

- INCOMING POWER AND TELEPHONE SERVICE NOTES:**
1. THE LOCATION SHOWN FOR THE UTILITY POLE CONNECTION TO EXISTING UTILITIES AND INCOMING POWER AND TELEPHONE SERVICES IS FOR CONCEPTUAL USE ONLY. THE CONTRACTOR SHALL COORDINATE THE ACTUAL LOCATION WITH THE ELECTRIC AND TELEPHONE UTILITIES AND SPRINT.
 2. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS WITH THE ELECTRIC AND TELEPHONE UTILITIES RELATIVE TO A TIMELY INSTALLATION OF THE INCOMING POWER AND TELEPHONE SERVICES. SPRINT WILL OBTAIN AN ELECTRIC SERVICE ORDER (ESO) FOR THIS SITE PRIOR TO THE CONTRACTOR INITIATING ANY WORK ON-SITE.
 3. THE INCOMING ELECTRIC SERVICE SHALL BE INSPECTED BY THE AUTHORITY HAVING JURISDICTION AND A CERTIFICATE OF SUCH INSPECTION SHALL BE FURNISHED TO SPRINT WITH A COPY FORWARDED TO THAT UTILITY.
 4. ANY UTILITY CHARGES ASSOCIATED WITH THIS SITE SHALL BE PAID BY SPRINT AND NO CHARGES, THEREFORE SHALL ACCRUE TO THE CONTRACTOR.
 5. FOR INCOMING UNDERGROUND TELEPHONE SERVICE, THE CONTRACTOR SHALL INSTALL THE CONDUIT INCLUDING FILLWIRES BETWEEN UTILITY POLE (OR PDESTAL, WHERE APPLICABLE) AND POWER PROTECTION CABINET (PPC), AS THE PROPOSED UTILITY POLE EXTEND TELEPHONE CONDUIT UP POLE APPROXIMATELY 1'-0" AND SEAL. COORDINATE METER SOCKET REQUIREMENTS WITH SPRINT AND ELECTRIC UTILITY.
 6. INCOMING ELECTRIC SERVICES SHALL BE IN CONFORMANCE WITH THE UTILITIES STANDARDS (LATEST EDITION).
 7. THIS SITE INCLUDES EXISTING CRITICAL UNDERGROUND ELECTRIC, TELEPHONE AND OTHER SERVICES IN THE VICINITY OF THE NEW UNDERGROUND SERVICES PRECAUTIONS EQUIPMENT CONDUIT. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID SERVICE DISRUPTION TO THESE FACILITIES. THE CONTRACTOR SHALL ALSO CONTACT ELECTRIC AND TELEPHONE AND ALL OTHER APPROPRIATE AGENCIES PRIOR TO EXCAVATION AT THIS SITE. ALL EXCAVATION IN THE IMMEDIATE VICINITY OF EXISTING UTILITY POLE SHALL BE PERFORMED BY HAND.
 8. ALL UNDERGROUND CONDUIT TO BE PVC AND ALL ABOVE GRADE CONDUIT TO BE RGS. SEE DETAILS 2 AND 3 ON DRAWING E9 FOR CONVERSION FROM PVC TO RGS.

SYMBOLS & ABBREVIATIONS
NOT TO SCALE

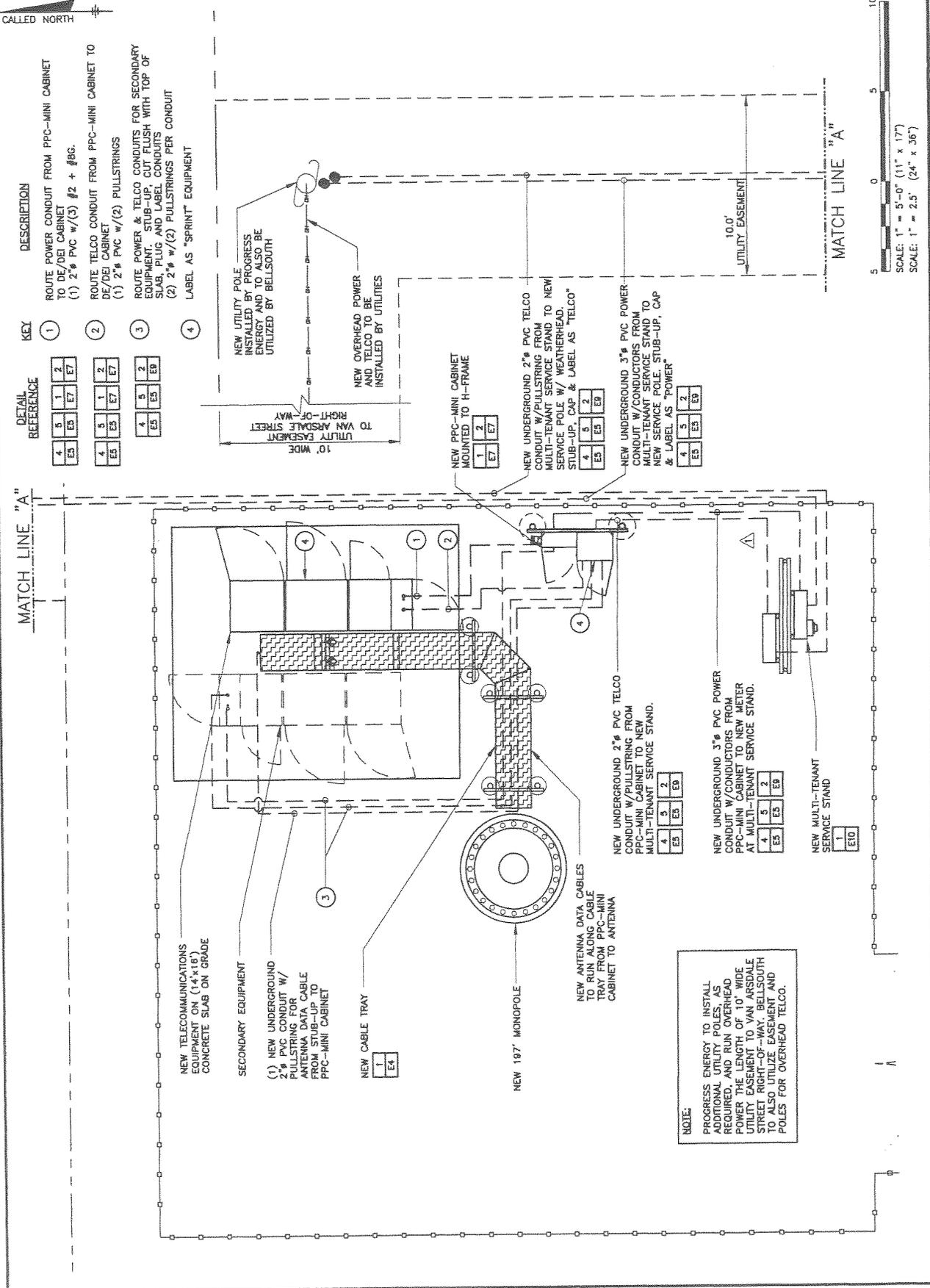


PROJECT NO:	1811J18	
DRAWN BY:	TJP	
CHECKED BY:	JD	
REV	DATE	DESCRIPTION
1	06/22/04	RELOCATE METER RACK
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

WARREN HEISLER
 9.20.04
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ORGANIZATION
 WHITE STATION
 1051 VAN ARSDALE STREET
 OVERLAND PARK, MO 66204
 RAW LAND - MONOPOLE

SHEET TITLE
 UTILITY PLAN
 SHEET NUMBER
 E2



- KEY**
- | | |
|-------------|----------|
| 1 | 2 |
| 4 5 1 2 | 4 5 2 |
| E5 E3 E7 E7 | E5 E3 E9 |
- DESCRIPTION**
- ROUTE POWER CONDUIT FROM PPC-MINI CABINET TO DE/DEI CABINET
(1) 2" PVC w/(3) #2 + #8G.
 - ROUTE TELCO CONDUIT FROM PPC-MINI CABINET TO DE/DEI CABINET
(1) 2" PVC w/(2) PULLSTRINGS
 - ROUTE POWER & TELCO CONDUITS FOR SECONDARY EQUIPMENT. STUB-UP, CUT FLUSH WITH TOP OF SLAB, PLUG AND LABEL CONDUITS
(2) 2" w/(2) PULLSTRINGS PER CONDUIT
 - LABEL AS "SPRINT" EQUIPMENT

- DETAIL REFERENCE**
- | | |
|-------------|----------|
| 4 5 1 2 | 4 5 2 |
| E5 E3 E7 E7 | E5 E3 E9 |

NEW UTILITY POLE INSTALLED BY PROGRESS UTILITIES AND TO ALSO BE UTILIZED BY BELLSOUTH

NEW OVERHEAD POWER INSTALLED BY UTILITIES

NEW PPC-MINI CABINET MOUNTED TO H-FRAME

NEW UNDERGROUND 2" PVC TELCO CONDUIT W/PULLSTRING FROM MULTI-TENANT SERVICE STAND TO NEW SERVICE POLE W/ WEATHERHEAD, STUB-UP, CAP & LABEL AS "TELCO"

NEW UNDERGROUND 3" PVC POWER CONDUIT W/CONDUCTORS FROM MULTI-TENANT SERVICE STAND TO NEW SERVICE POLE W/ STUB-UP, CAP & LABEL AS "POWER"

NEW TELECOMMUNICATIONS EQUIPMENT ON (14'x18') CONCRETE SLAB ON GRADE

SECONDARY EQUIPMENT

(1) NEW UNDERGROUND CONDUIT W/PULLSTRING FOR ANTENNA DATA CABLE FROM STUB-UP TO PPC-MINI CABINET

NEW CABLE TRAY

NEW 197' MONOPOLE

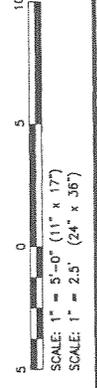
NEW ANTENNA DATA CABLES TO RUN ALONG CABLE TRAY FROM PPC-MINI CABINET TO ANTENNA

NEW UNDERGROUND 2" PVC TELCO CONDUIT W/PULLSTRING FROM PPC-MINI CABINET TO NEW MULTI-TENANT SERVICE STAND.

NEW UNDERGROUND 3" PVC POWER CONDUIT W/CONDUCTORS FROM PPC-MINI CABINET TO NEW MULTI-TENANT SERVICE STAND.

NEW MULTI-TENANT SERVICE STAND

NOTE:
 PROGRESS ENERGY TO INSTALL ADDITIONAL UTILITY POLES, AS REQUIRED AND RUN OVERHEAD POWER LINES TO NEW METER UNDER EASEMENT TO VAN ARSDALE STREET, RIGHT-OF-WAY, BELLSOUTH TO ALSO UTILIZE EASEMENT AND POLES FOR OVERHEAD TELCO.





6540 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALEDA Wireless
Sociological, Inc.
480 NORTH WILDER ROAD
MAYLAND, FL 32781
TEL: (407) 481-1788
FAX: (407) 481-1786

PROJECT NO: 1811.016
DRAWN BY: TUP
CHECKED BY: JO

REV	DATE	DESCRIPTION
2	7/26/04	REVISED GROUNDING CONNECTION
1	07/27/04	REVISED FOR CONSTRUCTION
0	07/27/04	REVISED FOR CONSTRUCTION
A	04/27/04	ISSUED FOR REVIEW

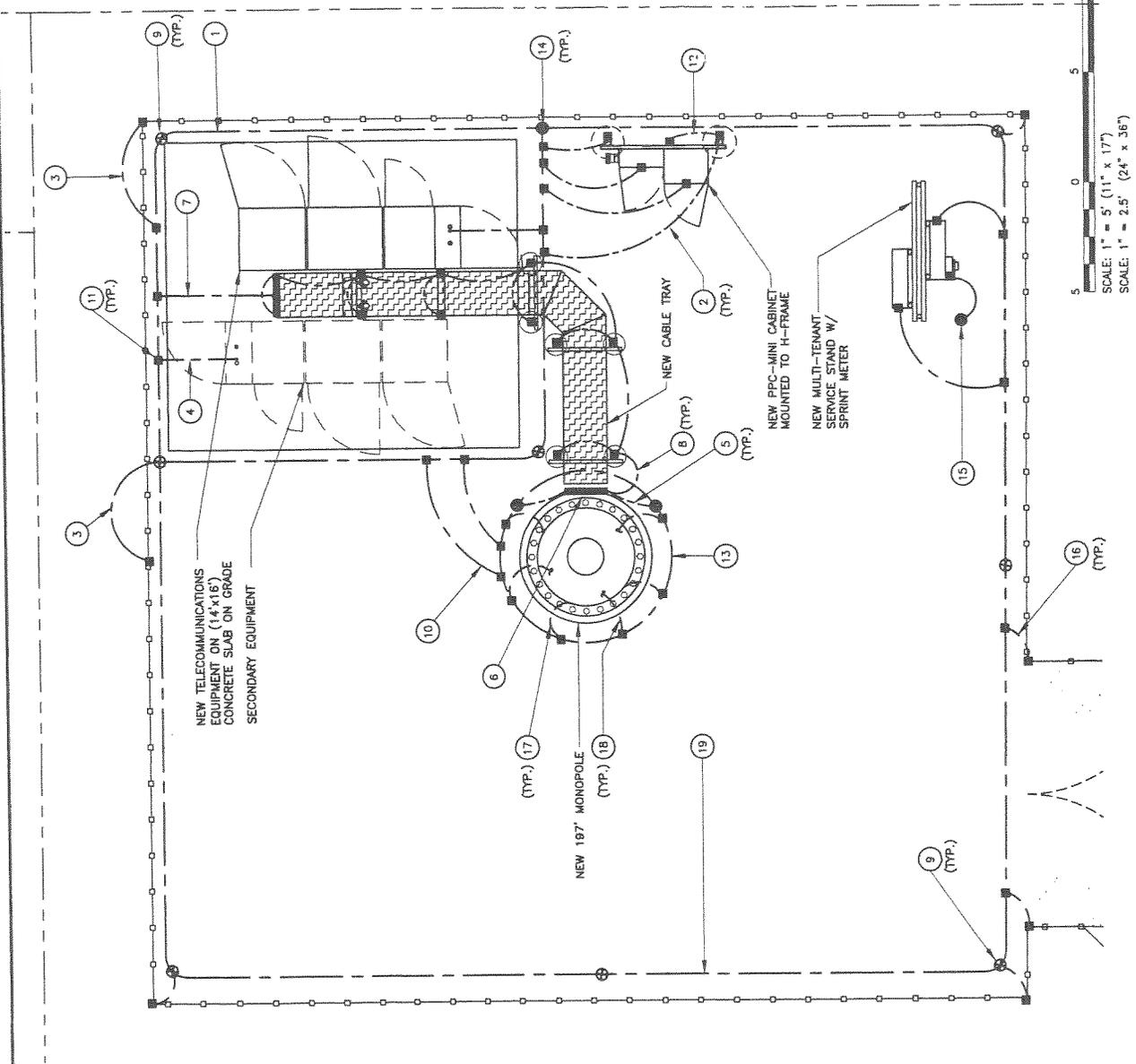
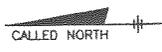
WARREN HENSON
P.L.L.C. #21884
DATE: 9/20/04
Signature: *Warren Henson*

THIS IS A NEWLY ADDED GROUNDING CONNECTION TO AN EXISTING GROUNDING SYSTEM. THE LOCATION OF A LICENSED PROFESSIONAL ENGINEER TO THIS PROJECT IS LIMITED TO THE DESIGN OF THE GROUNDING SYSTEM. ALEDA WIRELESS IS WORKING WITH ALEDA WIRELESS TO VERIFY THE LOCATION OF THE GROUNDING SYSTEM. THE LOCATION OF THE GROUNDING SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR.

ORBOXCS16A
WHITE STATION
1051 VAN ARSDALE STREET
DUNEDIN, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
GROUNDING PLAN

SHEET NUMBER
E3



SCALE: 1" = 5' (11" x 17")
SCALE: 1" = 2.5' (24" x 36")

GROUNDING KEY

- 1 #2 AWG SOLID TINNED BCW GROUND RING AROUND EQUIPMENT AT A DEPTH OF 30"
- 2 BOND TO MINI-PPC CABINET & SUPPORT FRAME (TYP. x 3)
- 3 BOND TO FENCE POSTS
- 4 #2 AWG BOND MGB ON BTS EQUIPMENT TO GROUND RING WITH ONE LEAD EACH. ROUTE 1/2" PVC UP THRU SLAB.
- 5 BOND LOWER CIGBE TO TOWER GROUND RING
- 6 LOWER CIGBE
- 7 #2 AWG BOND GROUND BAR ON CABLE TRAY TO EQUIPMENT GROUND RING
- 8 CABLE TRAY GROUNDING (TYP.)
- 9 COPPER GROUND ROD (TYP.)
- 10 BOND EQUIPMENT GROUND RING TO TOWER GROUND RING (2 PLACES)
- 11 CADWELD CONNECTION
- 12 ROUTE GROUND LEAD THROUGH 1/2" PVC CONDUIT FROM EQUIPMENT GROUND RING TO 3/4" GALVANIZED CONDUIT FOR EQUIPMENT LIGHTING ASSEMBLY ON PPC-MINI
- 13 #2 AWG SOLID TINNED BCW TOWER GROUND RING.
- 14 GROUND ROD WITH INSPECTION WELL
- 15 SERVICE ENTRANCE GROUND ROD
- 16 BOND TO NEW GATES & FENCE POSTS
- 17 BOND TO REBAR IN TOWER FOUNDATION (TYP. x 3)
- 18 BOND TOWER TO TOWER GROUND RING (TYP. x 3)
- 19 #2 AWG SOLID TINNED BCW GROUND RING AROUND COMPOUND AT A DEPTH OF 30"

DETAIL REF.

- 6 EB
- 1 EB
- 1 EB
- 1 EB
- 2 EB
- 1 EB
- 1 EB
- 1 EB
- 3 EB



6500 SPRINT PLAZA
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
Signal Path
4800 W. 119th St.
Overland Park, KS 66251
Office (913) 881-1793
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PROJECT NO: 18111316
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
0	06/24/09	ISSUED FOR CONSTRUCTION
A	04/21/09	ISSUED FOR REVIEW

MM
9.22.09

WARRANTY
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IT IS NOT A WARRANTY OF PERFORMANCE.
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NO DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ALCOA WIRELESS.

ORANGEVILLE
WHITE STALLION
1051 VAN NESSALE STREET
OWIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E4

ANTENNA CABLE AND ACCESSORY NOTES AND REQUIREMENTS:

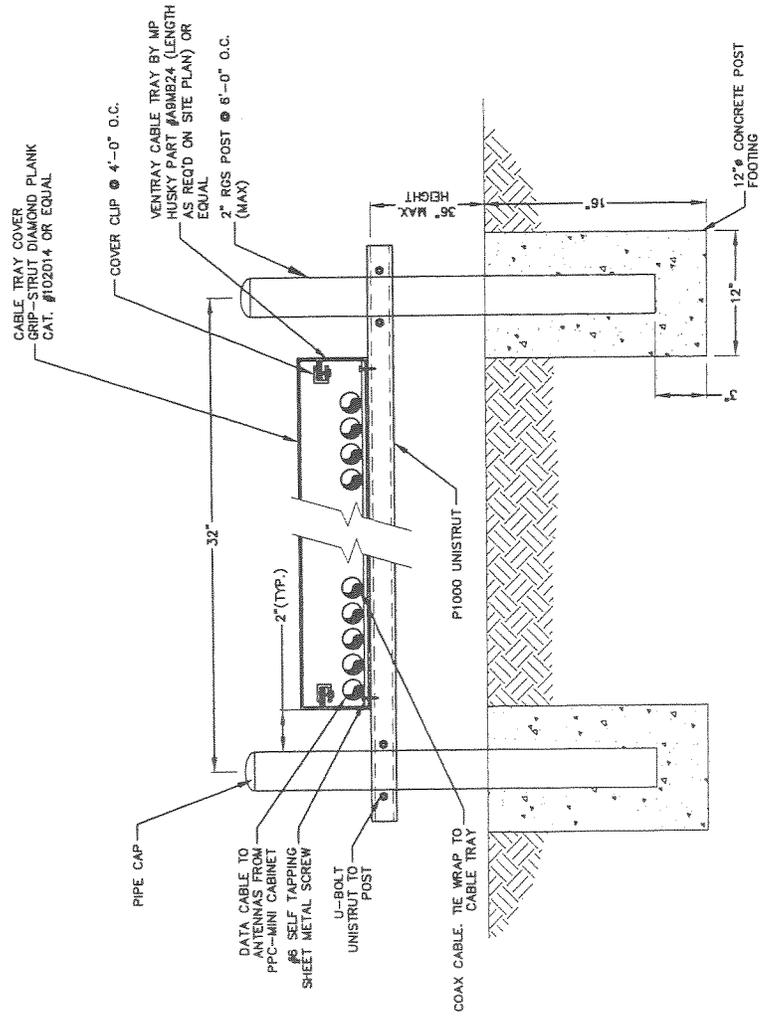
1. GENERAL: PROVIDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY FOR RECEIVING, INSTALLING, TESTING, AND ADJUSTING ANTENNA CABLES FROM THE ANTENNA TO THE CONNECTIONS AT THE BASE TRANSMISSION SYSTEM (BTS). THIS SHALL INCLUDE ALL EQUIPMENT SHOWN OR REQUIRED FOR A COMPLETE OPERATING SYSTEM. ANTENNA, ANTENNA CABLES, CONNECTORS, AND FITTING SHALL BE THIRD PARTY FURNISHED COMPONENTS AS SHOWN ON THE BILL OF MATERIALS.

2. MATERIALS

- A. ANTENNA CABLES: AS SCHEDULED
- B. ANTENNA CONNECTORS: AS SCHEDULED
- C. CABLE HANGERS: INSTALLED AT MAXIMUM 4' SPACING
- D. GROUNDING KITS - AS SPECIFIED

3. INSTALLATION

- A. ANTENNA CABLE LENGTHS SHALL BE FIELD MEASURED. INSTALLER SHALL NOTIFY SPRINT PRIOR TO PURCHASE OF CABLE OF THE OVERALL LENGTH REQUIRED.
- B. CABLES SHALL BE LABELED IN ACCORDANCE WITH SPRINT ELECTRICAL MATERIALS AND METHODS SPECIFICATIONS.
- C. ALL CABLE CONNECTIONS OUTSIDE SHALL BE COVERED WITH WEATHERPROOFING TAPE.
- D. THE MINIMUM BENDING RADIUS FOR ALL ANTENNA CABLES SHALL BE AS SHOWN BELOW OR PER THE MANUFACTURER, WHICHEVER IS MORE CONSERVATIVE.
CABLE IN AIR OR CABLE TRAY IN CONDUIT
1/2" 5"
7/8" 10"
1-5/8" 20"
- E. CABLES SHALL BE INSTALLED WITH THE MINIMUM NUMBER OF BENDS. CABLE SHALL NOT BE LEFT UNTERMINATED IN THE FIELD.
- F. GROUNDING KITS - AFTER INSTALLATION OF GROUND STRAPS, THE CONNECTIONS SHALL BE MADE WEATHER TIGHT USING WEATHERPROOF KITS AS IDENTIFIED ABOVE. GROUND PIGTAILS SHALL BE BROUGHT OUT IN THE DOWNWARD DIRECTION FROM THE CONNECTION TO THE ANTENNA CABLE WITHOUT ANY SHARP BENDS (MINIMUM RADIUS 10") AND CONNECTION SHALL BE MADE TO GROUNDING SYSTEM.



1 CABLE TRAY MOUNTING DETAIL
NOT TO SCALE



6580 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireline
465 WEST KELLEY ROAD
MARIETTA, FL 32751
OFFICE (904) 881-1780
FAX (904) 881-1788

PROJECT NO:	1811.518
DRAWN BY:	TJP
CHECKED BY:	JQ

REV	DATE	DESCRIPTION
0	10/27/04	ISSUED FOR CONSTRUCTION
A	10/27/04	ISSUED FOR REVIEW

W. H. Johnson
9/22/04

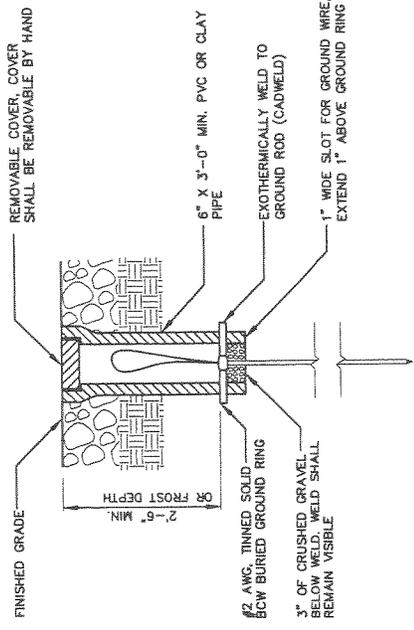
WALTER WATSON
P.E. # 10182

IT IS A VIOLATION OF LAW FOR ANY PERSON TO REPRODUCE OR TRANSMIT IN ANY MANNER THE CONTENTS OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF WALTER WATSON. WALTER WATSON SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.

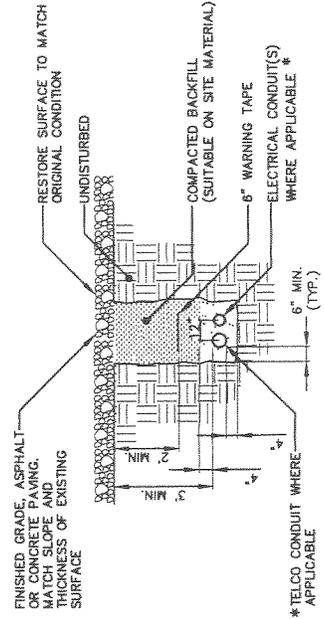
0860X516A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E5



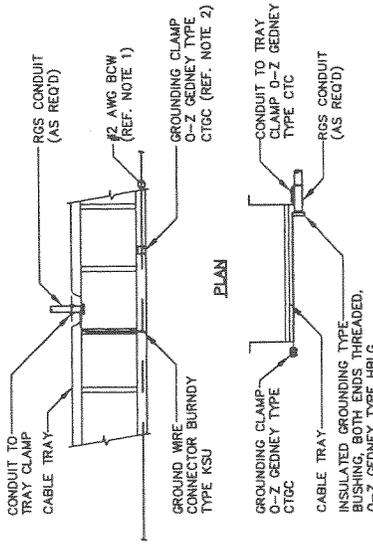
3 GROUND INSPECTION TEST WELL
NOT TO SCALE



* TELCO CONDUIT WHERE APPLICABLE
* SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY CO. REQUIREMENTS

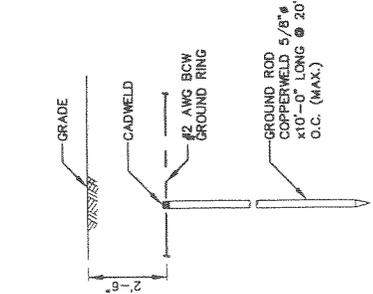
NOTES:
1. PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
2. PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.e. SERVICE POLE, BTS EQUIPMENT, ETC.).
3. INSTALL UTILITY PULLBOXES PER NEC.

5 UNDERGROUND CONDUIT(S)
ELECTRIC/TELEPHONE
NOT TO SCALE

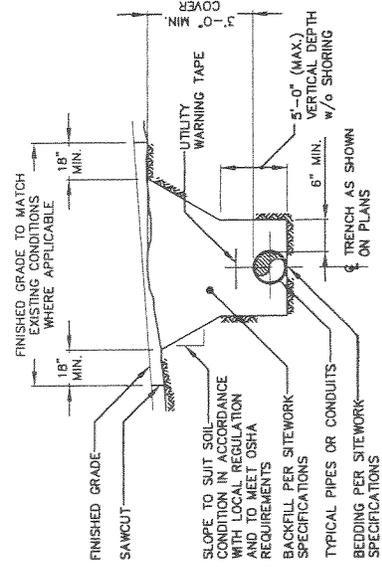


NOTES:
1. GROUND WIRE CONNECTED TO GROUND RING.
2. TYPICAL FOR EACH SECTION OF TRAY.
3. REFER TO GROUNDING DETAIL EB 1 FOR ADDITIONAL GROUNDING.

2 TRAY GROUNDING & RGS CONDUIT RUN
NOT TO SCALE



1 COPPER-CLAD STEEL GROUND ROD
NOT TO SCALE



4 TYPICAL TRENCH
NOT TO SCALE



5350 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wirelines
8000 W. 110th St.
Overland Park, MO 66204
PHONE (402) 981-1765
FAX (402) 981-1766

PROJECT NO: 1811J16

DRAWN BY: TJP

CHECKED BY: JD

REV	DATE	DESCRIPTION
1	07/28/04	REVISED GROUNDING
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

Walter
9.22.04

WARNER PERSON
IF IT IS A VIOLATION OF ANY CODE OR ANY PERSON
IF ANYONE HAS ACTING UNDER THE SIGNATURE OF ANY PERSON
THIS DOCUMENT UNLESS SPECIFICALLY NOTED TO BE
THE PROPERTY OF THE COMPANY ASSOCIATED WITH THE
PROJECT. ALL RIGHTS ARE RESERVED BY THE
COMPANY ASSOCIATED WITH THE
PROJECT.

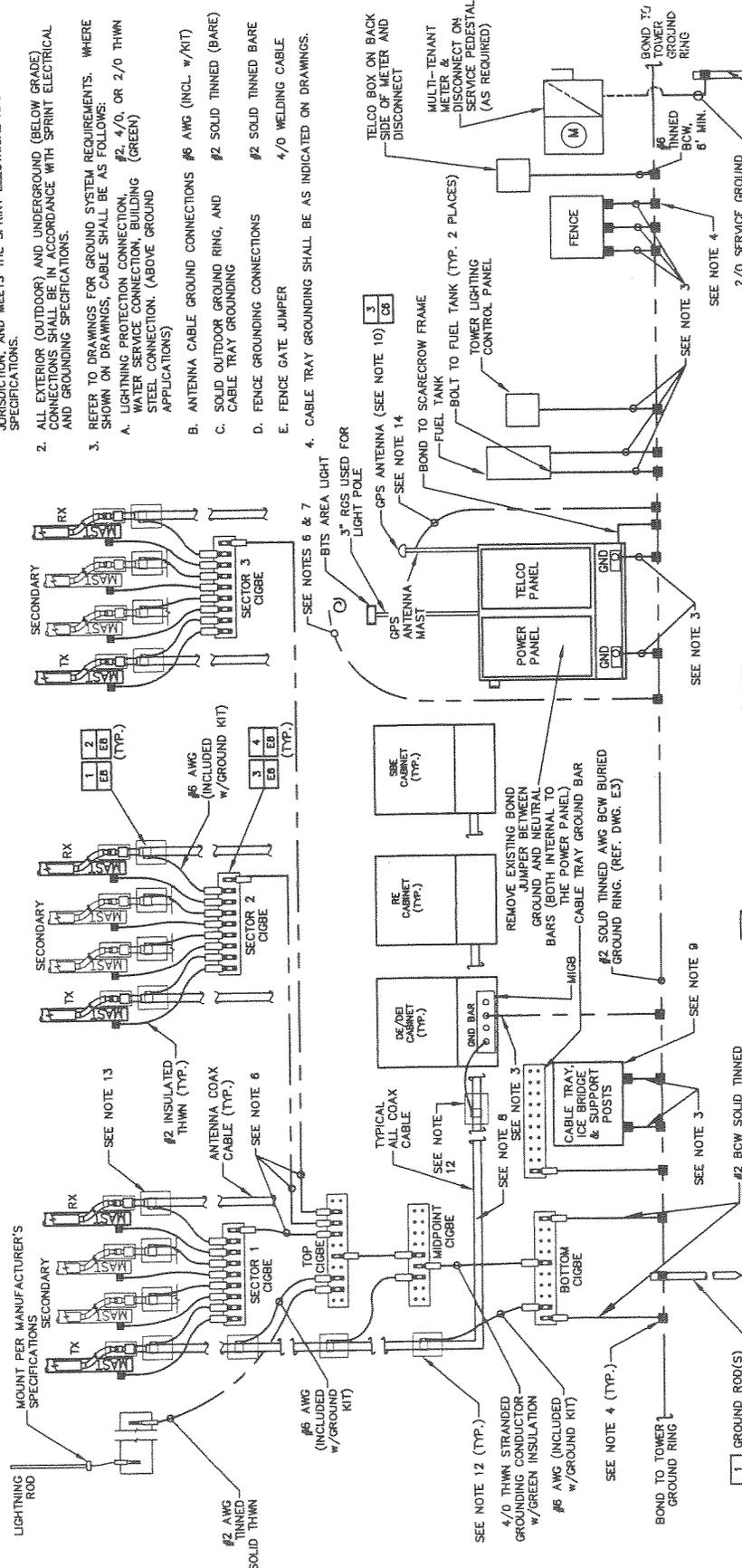
OR080C516A
WHITE STABLE STREET
1051 OVERLAND, FT. WORTH, TX 76102
RAW LAND - MONOPOLE

SHEET TITLE
GROUNDING DIAGRAM

SHEET NUMBER
E6

GENERAL GROUNDING SYSTEM NOTES:

- THE CONTRACTOR SHALL VERIFY THAT THE SYSTEM IS EFFECTIVELY GROUNDED, MEETS NEC ARTICLE 250 REQUIREMENTS, IS ACCEPTABLE TO THE LOCAL UTILITY AND THE LOCAL AUTHORITY HAVING JURISDICTION, AND MEETS THE SPRINT ELECTRICAL AND GROUNDING SPECIFICATIONS.
- ALL EXTERIOR (OUTDOORS) AND UNDERGROUND (BELOW GRADE) CONNECTIONS SHALL BE IN ACCORDANCE WITH SPRINT ELECTRICAL AND GROUNDING SPECIFICATIONS.
- REFER TO DRAWINGS FOR GROUND SYSTEM REQUIREMENTS. WHERE SHOWN ON DRAWINGS, CABLE SHALL BE AS FOLLOWS:
 - LIGHTNING PROTECTION CONNECTION: #2, 4/0, OR 2/0 THWN WITH SERVICE CONNECTION, BUILDING (GREEN) STEEL CONNECTION. (ABOVE GROUND APPLICATIONS)
 - ANTENNA CABLE GROUND CONNECTIONS: #6 AWG (INCL. W/KIT)
 - SOLID OUTDOOR GROUND RING, AND #2 SOLID TINNED (BARE) CABLE TRAY GROUNDING
 - FENCE GROUNDING CONNECTIONS: #2 SOLID TINNED BARE 4/0 WELDING CABLE
 - FENCE GATE JUMPER
- CABLE TRAY GROUNDING SHALL BE AS INDICATED ON DRAWINGS.



1 GROUNDING DIAGRAM LAND SITE
NOT TO SCALE

NOTES: (CONT'D)

- PROVIDE & INSTALL A 4/0 THWN STRANDED GROUNDING CONDUCTOR.
- LEAVE GROUND WIRE COILED UP FOR FUTURE EQUIPMENT, CAP END OF CONDUIT, SEE DETAIL 5 DRAWING E6.
- ADD COAX GROUNDING KIT CONNECTION TO INTERMEDIATE CIGBE WHEN LENGTH OF CABLE TRAY (FROM TOWER TO EQUIPMENT) IS GREATER THAN 15 FEET.
- ADD 2/0 GREEN INSULATED CONDUCTOR BETWEEN CABLE TRAY AND GRIPSTRUT/COVER, SEE DETAILS 1 & 3 DRAWING E5.
- GROUND BUSS BAR IN TELCO OR POWER PANEL.
- THE SERVICE GROUND CONDUCTORS SHALL BE CONNECTED TO ANYTHING ELSE.
- ALL COAX CABLES ARE TO BE GROUNDED AT ITS SECTOR CIGBE, THE TOP CIGBE, MIDPOINT CIGBE IF REQUIRED, BOTTOM CIGBE, INTERMEDIATE CIGBE IF REQUIRED AND AT THE MISC.
- PROVIDE STANDARD COAX CABLE GROUNDING KIT OR FIELD FABRICATE TO SUIT CONDITIONS, TOTAL LENGTH OF GROUNDING CONDUCTOR SHALL NOT EXCEED 10'-0".
- #2 STRANDED GREEN GROUND LEAD WITH CLAMP-ON CONNECTION TO GPS.

NOTES

- PROVIDE #2 AWG GROUNDING CONDUCTOR UNLESS NOTED OTHERWISE.
- PROVIDE BONDING AND GROUNDING CONDUCTORS WITH GREEN TYPE THWN INSULATION UNLESS OTHERWISE NOTED.
- PROVIDE SOLID #2 TINNED BARE COPPER GROUNDING CONDUCTOR.
- CADWELD CONNECTION.
- PROVIDE GROUNDING ELECTRODES IN QUANTITY, TYPE AND SIZE AS INDICATED ON SITE GROUNDING PLAN, DRAWING E5.



6550 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wirekables
Bancroft Drive, Road
405 North 100
Wayne, PA 15090
OFFICE (407) 841-1765
FAX (407) 841-1766

PROJECT NO:	1611518
DRAWN BY:	TJP
CHECKED BY:	JD

REV	DATE	DESCRIPTION
1	08/21/04	REVISED DETAILS
0	05/24/04	ISSUED FOR CONSTRUCTION
1	04/21/04	ISSUED FOR REVIEW

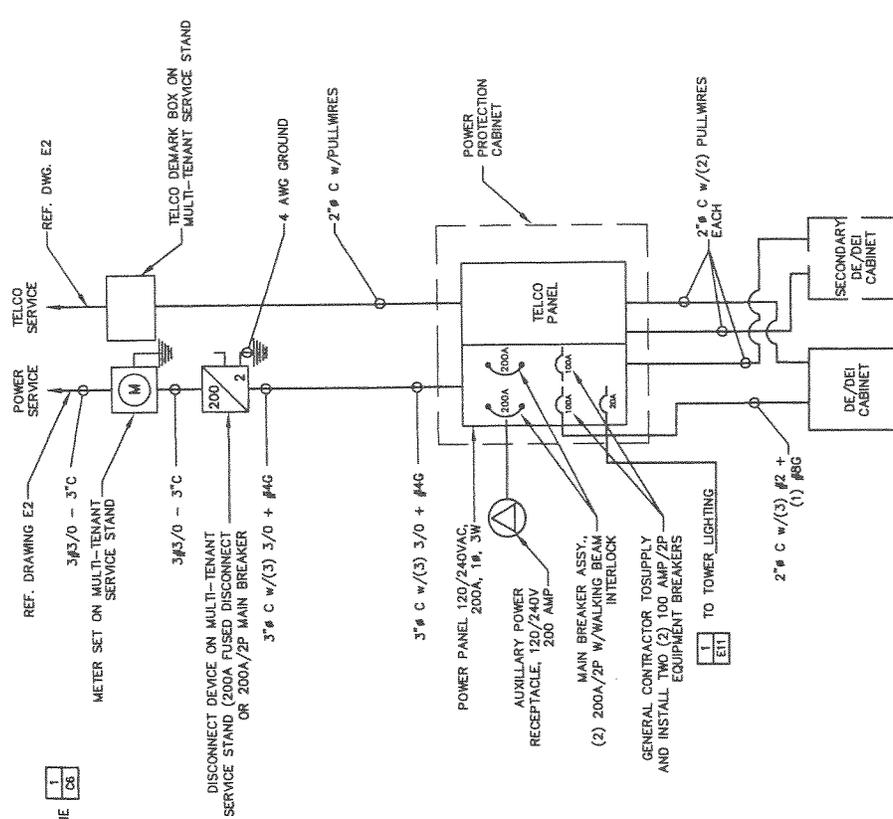
WARREN HEISON
P.E. #16184
I hereby certify that I am the author of the original design and that I am a duly licensed professional engineer in the State of Florida. I am not providing my services in violation of any law, rule, regulation or code of ethics. I am not providing my services in violation of any law, rule, regulation or code of ethics. I am not providing my services in violation of any law, rule, regulation or code of ethics.

4.7.04

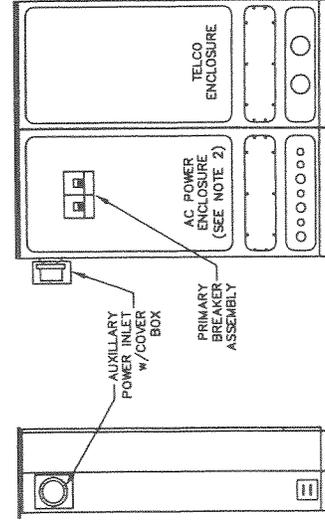
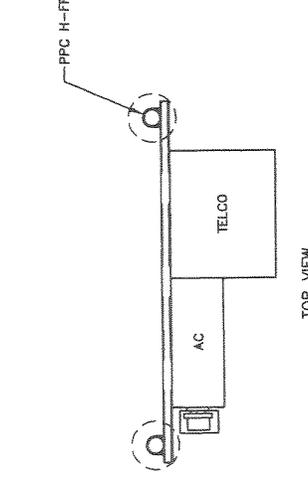
ORGOXC516A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIEDO, FL 32780
RAW LAND - MONOPOLE

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E7



- NOTES:
1. ELECTRICAL SERVICE SHALL BE RATED 200A, 2 POLE, 240/120V, 1# 3W.
 2. CONTRACTOR TO VERIFY UTILITY CO. FAULT CURRENT AND ENSURE THAT ALL EQUIPMENT MEETS FAULT CURRENT. (AT A MIN. ALL EQUIPMENT TO BE 10,000 AIC).
 3. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO VENDOR PRINTS PROVIDED BY PPC MANUFACTURER.
 4. REMOVE BONDING JUMPER IN PPC AND BOND SERVICE DISCONNECT PER NEC REQUIREMENTS.
 5. ALL CONDUIT INSTALLED ABOVE GROUND LEVEL TO BE RGS. CONTRACTOR SHALL TRANSITION RGS AT ELBOW LOCATION TO PVC UNDERGROUND.



- NOTES
1. AC POWER ENCLOSURE, 200 AMP, 240/120V, 1#, 3W W/ GROUND.
 2. ALL EQUIPMENT SHALL BE GROUNDED. PER LATEST EDITION OF NEC AND AS INDICATED.
 3. ELECTRICAL EQUIPMENT SHALL BE MIN. 3'-0" FROM ANY ENERGIZED PART TO ANY STRUCTURE AND AS REQUIRED BY LOCAL UTILITY COMPANIES, AHJ AND NATIONAL ELECTRICAL CODE.

1 PPC-MINI DETAIL
NOT TO SCALE

FOR ORIENTATION SEE DRAWING E2

2 POWER & TELCO DIAGRAM
NOT TO SCALE

3
E7



6530 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66221



ALCOA Wirelines
Spartan, Inc.
488 JEFFERSON BLVD.
MOUNTAIN VIEW, MO 64150
TEL: (816) 431-7700
FAX: (816) 431-1200

PROJECT NO: 1811.018

DRAWN BY: TP

CHECKED BY: JB

REV	DATE	DESCRIPTION
D	10/24/04	ISSUED FOR CONSTRUCTION
A	10/21/04	ISSUED FOR REVIEW

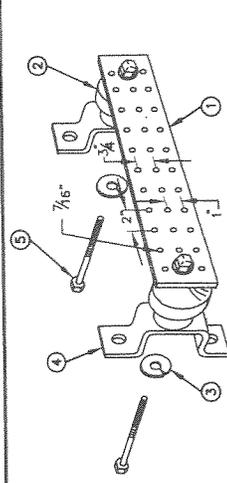
W. H. H. H.
9.22.04

WARNING: HOTS ON
THIS LINE
UNLESS THEY ARE ACTIVE UNDER THE PROTECTION
OF A LOCKED DISCONNECT EXPLICITLY LABELED TO BY
ALCOA WIRELESS OR THE FIELD. ACTIVE WIRELESS
EQUIPMENT IS NOT TO BE OPERATED OR MAINTAINED
WITHOUT ADEQUATE PROTECTION OF THE
CONNECTION POINTS.

OR60XC518A
WHITE STALLION
1051 VAN ARSDALE STREET
OWIEDO, FL 32789
RAW LAND - MONOPOLE

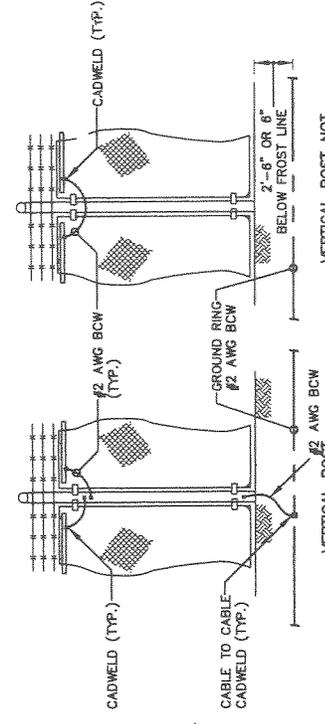
SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E8



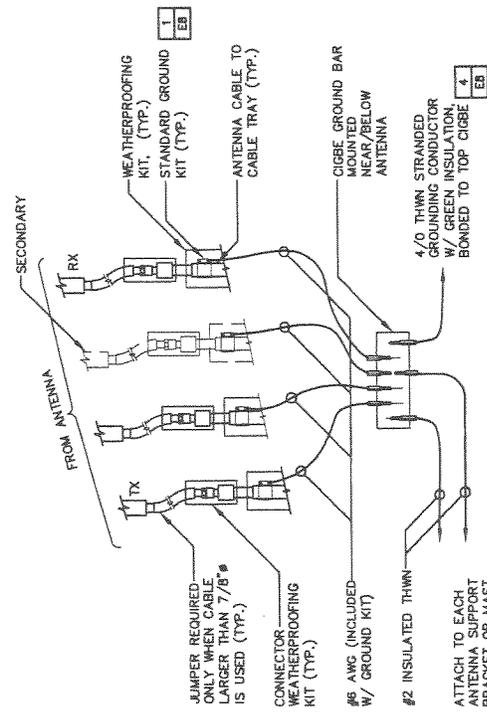
- LEGEND**
- 1 - SOLID TINNED COPPER GROUND BAR, 1/4" x 4" x 20" MIN. NEWTON INSTRUMENT CO. CAT. #8-6142 w/PRE-DRILLED HOLE DIAMETERS AND SPACINGS TO MATCH NEMA DOUBLE LUG CONFIGURATION. GROUND BARS SHALL NEITHER BE FIELD FABRICATED NOR NEW HOLES DRILLED. GROUND LUGS SHALL MATCH THE HOLE SPACING ON THE BAR. HARDWARE DIAMETER SHALL BE 3/8" MINIMUM.
 - 2 - INSULATORS, NEWTON INSTRUMENT CO. CAT. NO. 3061-4
 - 3 - 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8
 - 4 - WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-80356
 - 5 - 5/8"-11 X 1" H.H.C.S. BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1
 - 6 - SECTOR CIGBE GROUND BAR TO BE SIZED FOR (4) ANTENNAS AND (4) BRACKETS OR MASTS ALL OTHER GROUND BARS SHALL BE SIZED TO ACCOMMODATE ALL GROUNDING CONNECTIONS REQUIRED PLUS PROVIDE 50% SPARE CAPACITY.

3 GROUND BAR FOR MIGB & CIGBE
NOT TO SCALE



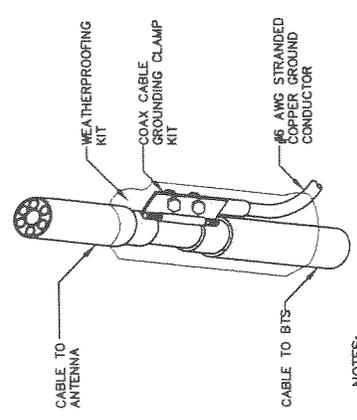
- NOTES:**
1. VERTICAL POSTS SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST. AS A MINIMUM ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100 FOOT STRAIGHT RUN OF FENCE.
 2. HORIZONTAL RAILS SHALL BE BONDED TO EACH OTHER.
 3. BOND EACH HORIZONTAL RAIL/BRACE TO EACH OTHER AND TO EACH VERTICAL POST THAT IS BONDED TO THE EXTERIOR GROUND RING.

4 FENCE GROUNDING
NOT TO SCALE



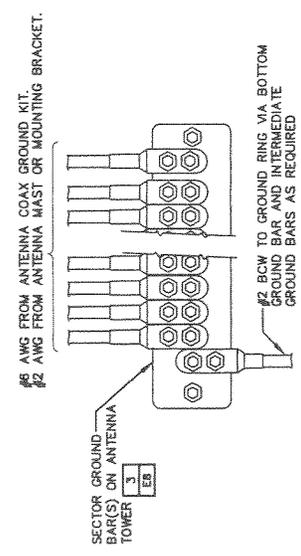
- NOTE:**
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND.
 2. ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.
- CONNECTION OF GROUND WIRES TO SECTOR CIGBE & ANTENNAS**
NOT TO SCALE

2



- NOTES:**
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND IN CABLE.
 2. ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 3. 2-1/2" Ø MAX FOR TX/RX ANTENNA CABLES.
 4. 1-1/4" Ø MAX FOR GPS ANTENNA CABLES.

1 COAX CABLE GROUND
NOT TO SCALE



- NOTE:**
1. CONTRACTOR TO UTILIZE KOPR-SHIELD (THOMAS & BETTS) ON ALL LUG CONNECTIONS.
 2. SIMILAR INSTALLATION FOR TOP AND BOTTOM TOWER GROUND BARS AND FOR COAX ENTRY PORT GROUND BARS.
- GROUNDING WIRE INSTALLATION TO SECTOR CIGBE**
NOT TO SCALE

4

5 GROUNDING WIRE STUB-OUT FOR FUTURE EQUIPMENT
NOT TO SCALE

5



6350 SPRING PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
1000 W. WILSON ROAD
MARIETTA, GA 30067
OFFICE (407) 841-1788
FAX (407) 841-1788

PROJECT NO: 1811.810
DRAWN BY: TJP
CHECKED BY: JLD

REV	DATE	DESCRIPTION
1	07/20/04	REVISED GROUNDING
0	05/24/04	ISSUED FOR CONSTRUCTION
A	04/21/04	ISSUED FOR REVIEW

Watt
9.27.04

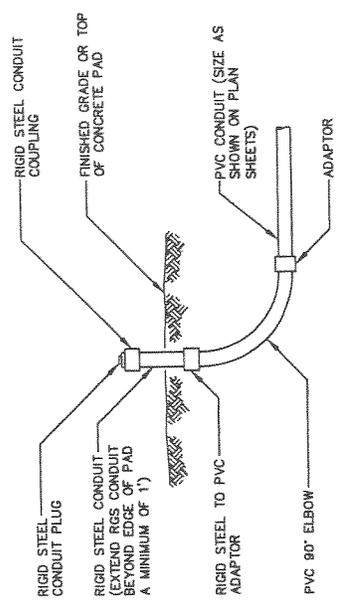
MANUEL VESCON
P.E. 451824

IT IS A VIOLATION OF LAW FOR ANY PERSON TO REPRODUCE OR TRANSMIT IN ANY MANNER THE CONTENTS OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF ALCOA WIRELESS. ALCOA WIRELESS IS THE PROPRIETOR OF ALL RIGHTS IN THIS DOCUMENT. THE USE OF THIS DOCUMENT IS LIMITED TO THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE TITLE. ANY OTHER USE OF THIS DOCUMENT IS PROHIBITED.

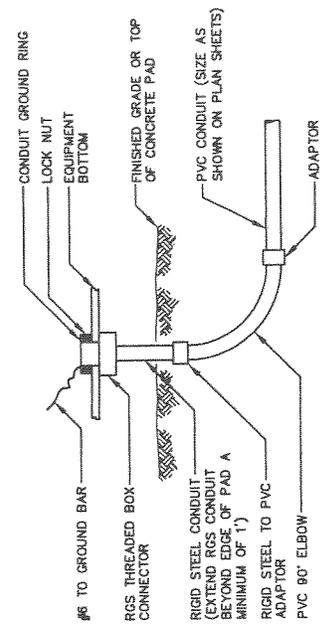
OROVIC518A
WHITE STALLION
1051 VAN ARSDALE STREET
OVIEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
ELECTRICAL DETAILS

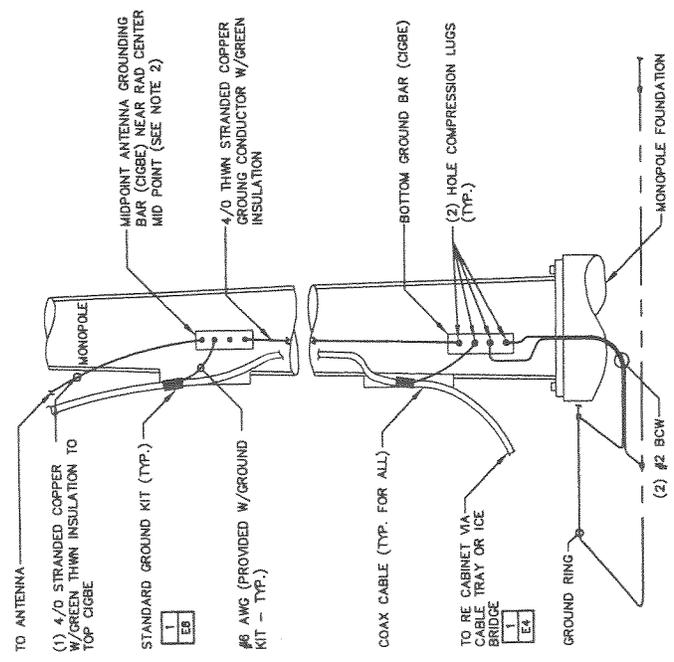
SHEET NUMBER
E9



2 CONDUIT STUB-UP w/ CAP
NOT TO SCALE



3 CONDUIT STUB-UP w/o CAP
NOT TO SCALE



1 ANTENNA CABLE GROUNDING TO GROUND BAR AND MONOPOLE
NOT TO SCALE

- NOTES:
1. C/WELDED TO GROUND RING.
 2. INTERMEDIATE CIGBE IS ONLY REQUIRED WHEN RAD CENTER IS GREATER THAN 200 FEET ABOVE BOTTOM CIGBE.

TO ANTENNA

(1) 4/0 STRANDED COPPER W/GREEN THIN INSULATION TO TOP CIGBE

STANDARD GROUND KIT (TYP.)

MID-POINT ANTENNA GROUNDING BAR (CIGBE) NEAR RAD CENTER MID POINT (SEE NOTE 2)

4/0 THIN STRANDED COPPER GROUNDING CONDUCTOR W/GREEN INSULATION

BOTTOM GROUND BAR (CIGBE)

COAX CABLE (TYP. FOR ALL)

(2) HOLE COMPRESSION LUGS (TYP.)

GROUND RING

(2) #2 BCW

MONOPOLE FOUNDATION

TO BE CABINET VIA CABLE TRAY OR ICE BRIDGE

TO ANTENNA



8630 SPRINT PARKWAY
OVERLAND PARK, KANSAS 66251



ALCOA Wireless
10000-HG UNISTRUT
480 NORTH BELLIN ROAD
MARIETTA, GA 30067
OFFICE (407) 841-1793
FAX (407) 841-1796

PROJECT NO: 1011.018
DRAWN BY: TJP
CHECKED BY: JD

REV	DATE	DESCRIPTION
0	08/24/04	ISSUED FOR CONSTRUCTION
1	04/27/04	ISSUED FOR REVIEW

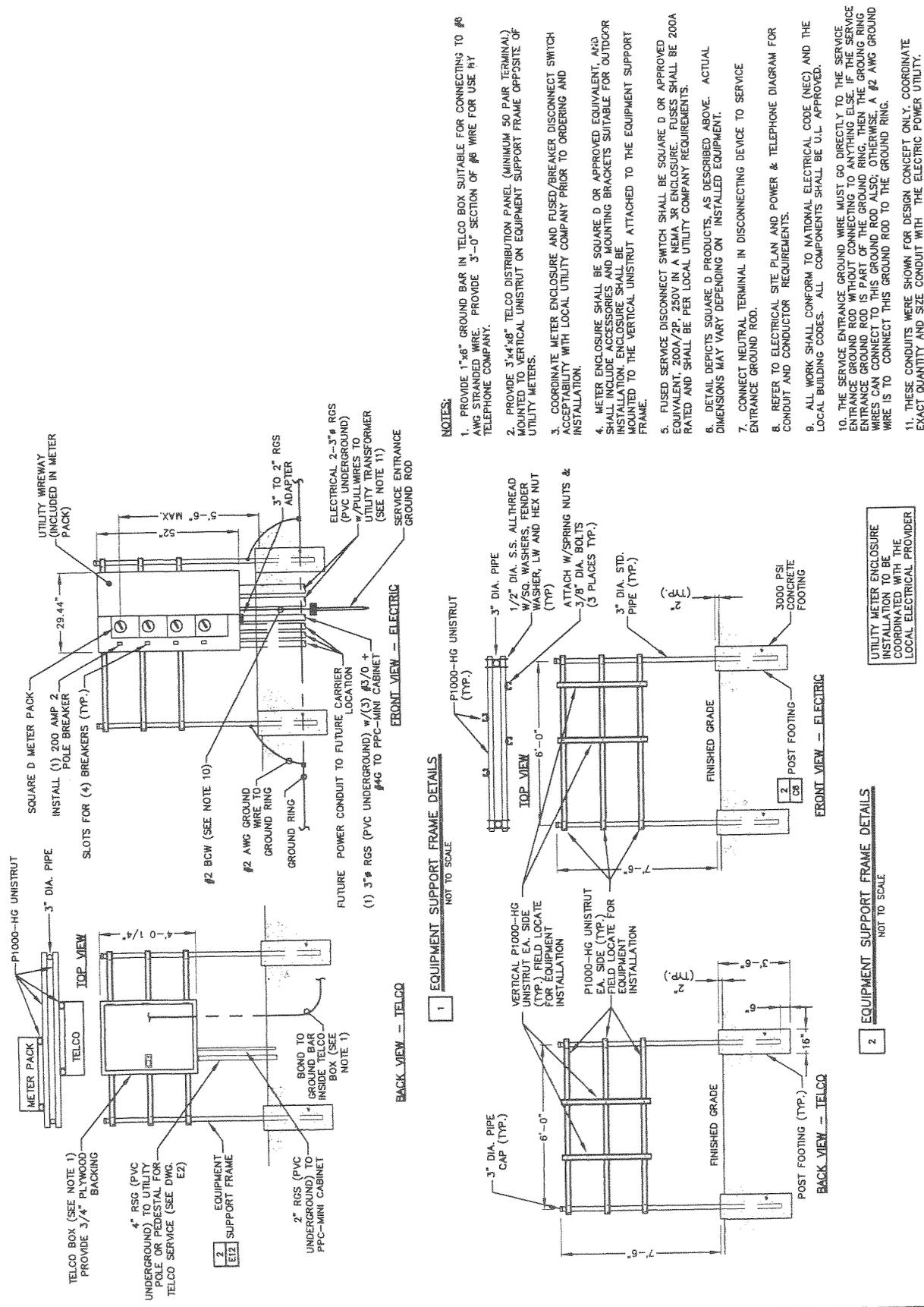
W. K. ...
9/22/04

IN THE CITY OF
FLORIDA
I, P.E. J. B. ...
A LICENSED PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING, DO HEREBY CERTIFY THAT I AM THE DESIGNER OF THE ABOVE WORK AND THAT I AM A MEMBER IN GOOD STANDING OF THE PROFESSIONAL SOCIETY OF ENGINEERS OF THE STATE OF FLORIDA.

DR000CS18A
WHITE STALLION
1051 VAN ARSDALE STREET
OVEDO, FL 32789
RAW LAND - MONOPOLE

SHEET TITLE
ELECTRICAL DETAILS

SHEET NUMBER
E10

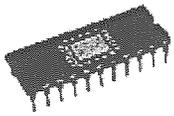


- NOTES:**
1. PROVIDE 1"x6" GROUND BAR IN TELCO BOX SUITABLE FOR CONNECTING TO #6 AWG STRANDED WIRE. PROVIDE 3'-0" SECTION OF #6 WIRE FOR USE BY TELEPHONE COMPANY.
 2. PROVIDE 3"x4"x8" TELCO DISTRIBUTION PANEL (MINIMUM 50 PAIR TERMINAL.) MOUNTED TO VERTICAL UNISTRUT ON EQUIPMENT SUPPORT FRAME OPPOSITE OF UTILITY METERS.
 3. COORDINATE METER ENCLOSURE AND FUSED/BREAKER DISCONNECT SWITCH INSTALLATION WITH LOCAL UTILITY COMPANY PRIOR TO ORDERING AND INSTALLATION.
 4. METER ENCLOSURE SHALL BE SQUARE D OR APPROVED EQUIVALENT, AND SHALL INCLUDE ACCESSORIES AND MOUNTING BRACKETS SUITABLE FOR OUTDOOR INSTALLATION. ENCLOSURE SHALL BE MOUNTED TO THE VERTICAL UNISTRUT ATTACHED TO THE EQUIPMENT SUPPORT FRAME.
 5. FUSED SERVICE DISCONNECT SWITCH SHALL BE SQUARE D OR APPROVED EQUIVALENT, 200A/2P, 250V IN A NEMA 3R ENCLOSURE. FUSES SHALL BE 200A RATED AND SHALL BE PER LOCAL UTILITY COMPANY REQUIREMENTS.
 6. DETAIL DEPICTS SQUARE D PRODUCTS, AS DESCRIBED ABOVE. ACTUAL DIMENSIONS MAY VARY DEPENDING ON INSTALLED EQUIPMENT.
 7. CONNECT NEUTRAL TERMINAL IN DISCONNECTING DEVICE TO SERVICE ENTRANCE GROUND ROD.
 8. REFER TO ELECTRICAL SITE PLAN AND POWER & TELEPHONE DIAGRAM FOR CONDUIT AND CONDUCTOR REQUIREMENTS.
 9. ALL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODE (NEC) AND THE LOCAL BUILDING CODES. ALL COMPONENTS SHALL BE U.L. APPROVED.
 10. THE SERVICE ENTRANCE GROUND WIRE MUST GO DIRECTLY TO THE SERVICE ENTRANCE GROUND ROD WITHOUT CONNECTING TO ANYTHING ELSE. IF THE SERVICE ENTRANCE GROUND ROD IS PART OF THE GROUND RING, THEN THE GROUND RING WIRES CAN CONNECT TO THIS GROUND ROD ALSO; OTHERWISE, A #2 AWG GROUND WIRE IS TO CONNECT THIS GROUND ROD TO THE GROUND RING.
 11. THESE CONDUITS WERE SHOWN FOR DESIGN CONCEPT ONLY. COORDINATE EXACT QUANTITY AND SIZE CONDUIT WITH THE ELECTRIC POWER UTILITY.

UTILITY METER ENCLOSURE
INSTALLATION TO BE
COORDINATED WITH THE
LOCAL ELECTRICAL PROVIDER

EXHIBIT 8

10/15/2004 11:20:18 AM



Greg Holcomb/Seminole
10/15/2004 09:44 AM

To Kathy Fall/Seminole@Seminole, Earnest
McDonald/Seminole@Seminole

cc

bcc

Subject Tower reviews

History:

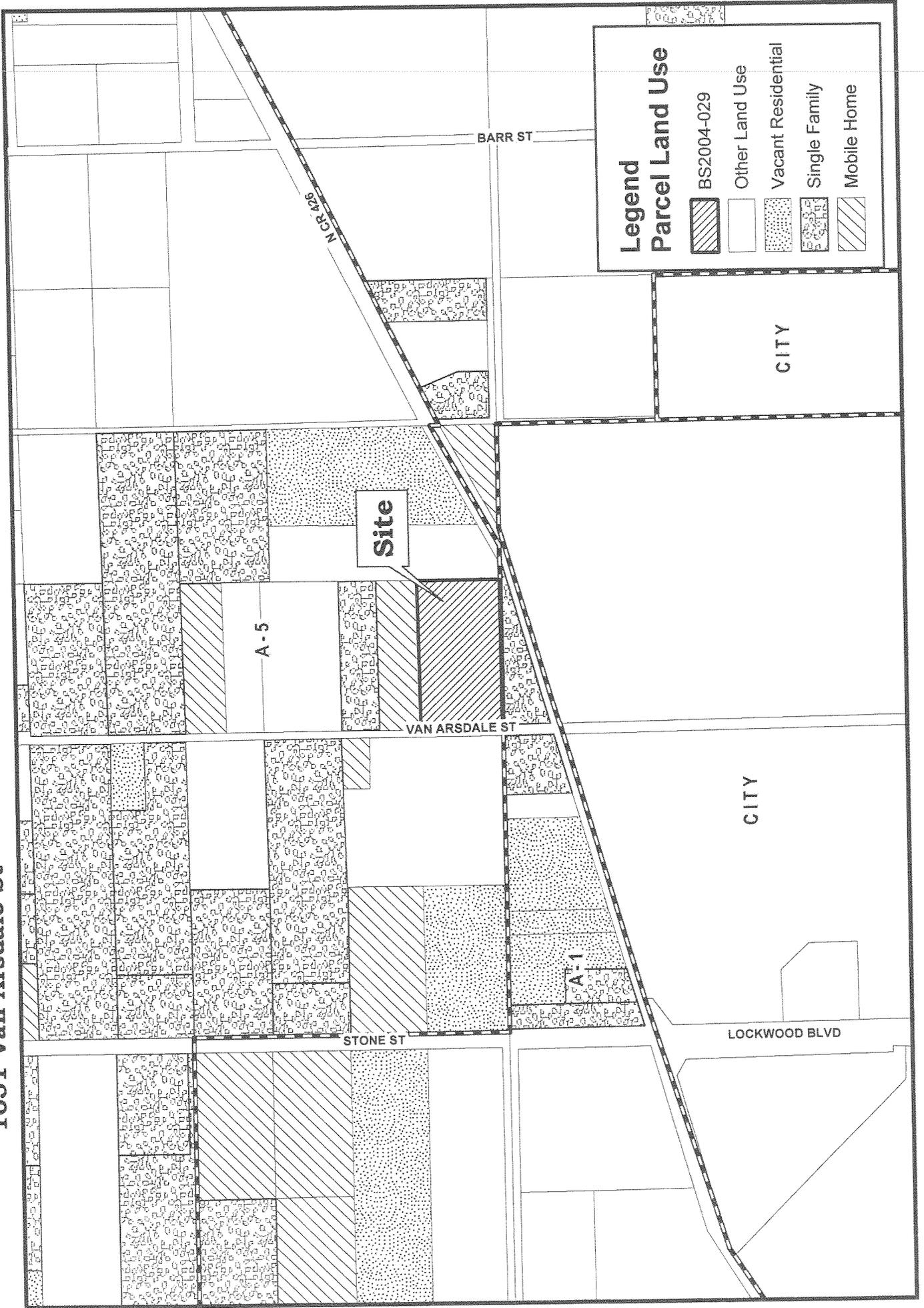
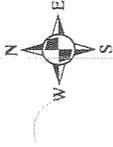
➤ This message has been forwarded.

I have reviewed the two applications for Special Exceptions submitted by Sprintcom, Inc. at the proposed locations of 1051 Van Arsdale Street Oviedo and 9913 Bear Lake Road Apopka. Both seem to be in order from the RF engineering and co-location perspective. You may want the applicant to insure they are building suitable co-locatable structures with space for future providers in the same area and their intent to allow such.

Let me know if you need any further information. Thanks.

--****Florida has a very broad Public Records Law. Virtually all written communications to or from State and Local Officials and employees are public records available to the public and media upon request. Seminole County policy does not differentiate between personal and business emails. E-mail sent on the County system will be considered public and will only be withheld from disclosure if deemed confidential pursuant to State Law.****

**Gary & Elizabeth Lashinsky
1051 Van Arsdale St**

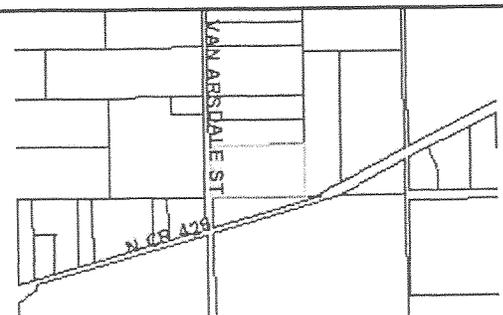


**Legend
Parcel Land Use**

	BS2004-029
	Other Land Use
	Vacant Residential
	Single Family
	Mobile Home

BS2004-029

Personal Property

 <p>Seminole County Property Appraiser Services 1101 E. First St. Sanford FL 32771 407-665-7806</p>	<p>REAL ESTATE PERSONAL PROP. TAX ROLL SALES SEARCH</p> 	<p>◀ Back ▶</p>																														
<p style="text-align: center;">GENERAL</p> <p>Parcel Id: 25-20-31-5BA-0000-4370 Tax District: G1-AGRICULTURAL</p> <p>Owner: LASHINSKY GARY & ELIZABETH A Exemptions:</p> <p>Address: 4056 GILDER ROSE PL</p> <p>City,State,ZipCode: WINTER PARK FL 32792</p> <p>Property Address: 1051 VAN ARSDALE ST</p> <p>Facility Name:</p> <p>Dor: 60-GRAZING LAND</p>		<p style="text-align: center;">2004 WORKING VALUE SUMMARY</p> <p>Value Method: Market</p> <p>Number of Buildings: 2</p> <p>Depreciated Bldg Value: \$190,756</p> <p>Depreciated EXFT Value: \$72,375</p> <p>Land Value (Market): \$49,200</p> <p>Land Value Ag: \$10,882</p> <p>Just/Market Value: \$312,331</p> <p>Assessed Value (SOH): \$274,013</p> <p>Exempt Value: \$0</p> <p>Taxable Value: \$274,013</p> <p style="text-align: center;">2004 Notice of Proposed Property Tax</p>																														
<p style="text-align: center;">SALES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Deed</th> <th>Date</th> <th>Book</th> <th>Page</th> <th>Amount</th> <th>Vac/Imp</th> </tr> </thead> <tbody> <tr> <td>WARRANTY DEED</td> <td>08/1993</td> <td>02638</td> <td>0201</td> <td>\$85,000</td> <td>Improved</td> </tr> <tr> <td>WARRANTY DEED</td> <td>01/1985</td> <td>01605</td> <td>1515</td> <td>\$38,000</td> <td>Vacant</td> </tr> <tr> <td>WARRANTY DEED</td> <td>01/1973</td> <td>00967</td> <td>0307</td> <td>\$15,000</td> <td>Vacant</td> </tr> </tbody> </table> <p style="text-align: center;">Find Comparable Sales within this DOR Code</p>		Deed	Date	Book	Page	Amount	Vac/Imp	WARRANTY DEED	08/1993	02638	0201	\$85,000	Improved	WARRANTY DEED	01/1985	01605	1515	\$38,000	Vacant	WARRANTY DEED	01/1973	00967	0307	\$15,000	Vacant	<p style="text-align: center;">2003 VALUE SUMMARY</p> <p>2003 Tax Bill Amount: \$3,858</p> <p>2003 Taxable Value: \$265,884</p> <p style="text-align: center;">DOES NOT INCLUDE NON-AD VALOREM ASSESSMENTS</p>						
Deed	Date	Book	Page	Amount	Vac/Imp																											
WARRANTY DEED	08/1993	02638	0201	\$85,000	Improved																											
WARRANTY DEED	01/1985	01605	1515	\$38,000	Vacant																											
WARRANTY DEED	01/1973	00967	0307	\$15,000	Vacant																											
<p style="text-align: center;">LAND</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Land Assess Method</th> <th>Frontage</th> <th>Depth</th> <th>Land Units</th> <th>Unit Price</th> <th>Land Value</th> </tr> </thead> <tbody> <tr> <td>IMP PASTUR-</td> <td>0</td> <td>0</td> <td>3.920</td> <td>225.00</td> <td>\$882</td> </tr> <tr> <td>ACREAGE</td> <td>0</td> <td>0</td> <td>1.000</td> <td>10,000.00</td> <td>\$10,000</td> </tr> </tbody> </table>		Land Assess Method	Frontage	Depth	Land Units	Unit Price	Land Value	IMP PASTUR-	0	0	3.920	225.00	\$882	ACREAGE	0	0	1.000	10,000.00	\$10,000	<p style="text-align: center;">LEGAL DESCRIPTION PLAT</p> <p>LEG W 1/2 OF LOT 437 BLACK-HAMMOCK PB 1 PG 31</p>												
Land Assess Method	Frontage	Depth	Land Units	Unit Price	Land Value																											
IMP PASTUR-	0	0	3.920	225.00	\$882																											
ACREAGE	0	0	1.000	10,000.00	\$10,000																											
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FIREPLACE	1985	1	\$788	\$1,500
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NOTE: Assessed values shown are NOT certified values and therefore are subject to change before being finalized for ad valorem tax purposes.
*** If you recently purchased a homesteaded property your next year's property tax will be based on Just/Market value.



SEMINOLE COUNTY APPROVAL DEVELOPMENT ORDER

On October 25, 2004, Seminole County issued this Development Order relating to and touching and concerning the following described property:

LEG LOT 437 OF BLACK HAMMOCK PB 1 PG 31

(The aforescribed legal description has been provided to Seminole County by the owner of the aforescribed property.)

FINDINGS OF FACT

Property Owner: LASHINSKY
4056 GILDER ROSE PLACE
WINTER PARK, FL 32792

Project Name: SPRINT WIRELESS COMMUNICATION TOWER

Requested Development Approval:

SPECIAL EXCEPTION TO ESTABLISH A 194 FOOT TALL MONOPOLE COMMUNICATION TOWER IN THE A-5 (AGRICULTURE DISTRICT)

The Development Approval sought is consistent with the Seminole County Comprehensive Plan and will be developed consistent with and in compliance to applicable land development regulations and all other applicable regulations and ordinances.

The owner of the property has expressly agreed to be bound by and subject to the development conditions and commitments stated below and has covenanted and agreed to have such conditions and commitments run with, follow and perpetually burden the aforescribed property.

Prepared by: Kathy Fall
1101 East First Street
Sanford, Florida 32771

Order**NOW, THEREFORE, IT IS ORDERED AND AGREED THAT:**

- (1) The aforementioned application for development approval is **GRANTED**.
- (2) All development shall fully comply with all of the codes and ordinances in effect in Seminole County at the time of issuance of permits including all impact fee ordinances.
- (3) The conditions upon this development approval and the commitments made as to this development approval, all of which have been accepted by and agreed to by the owner of the property are as follows:

1. **THE PROPOSED TOWER SHALL NOT EXCEED 194 FEET, AS VERIFIED BY A RF (RADIO FREQUENCY) ENGINEER TO BE THE MINIMUM HEIGHT NEEDED TO FURTHER CINGULAR WIRELESS' COMMUNICATION GOALS IN THE IMMEDIATE AREA.**
2. **THE PROPOSED TOWER SHALL BE PAINTED A MUTED COLOR TO BLEND IN WITH THE NATURAL ENVIRONMENT.**
3. **ANY IMPROVEMENTS AND/OR ADDITIONS TO THE PROPOSED TOWER SHALL BE SUBMITTED FOR APPROVAL TO THE COUNTY.**
4. **A LISTED SPECIES SURVEY SHALL BE PROVIDED PRIOR TO FINAL ENGINEERING APPROVAL.**
5. **PRIOR TO THE FINAL DEVELOPMENT ORDER / APPROVAL, AN APPLICATION FOR FULL CONCURRENCY MANAGEMENT SHALL BE PROVIDED.**
6. **THE PROPOSED USE SHALL OTHERWISE COMPLY WITH THE SEMINOLE COUNTY VISION 2020 COMPREHENSIVE PLAN, LAND DEVELOPMENT CODE AND ALL APPLICABLE CONSTRUCTION AND BUILDING CODES.**

(4) This Development Order touches and concerns the aforescribed property and the conditions, commitments and provisions of this Development Order shall perpetually burden, run with and follow the said property and be a servitude upon and binding upon said property unless released in whole or part by action of Seminole County by virtue of a document of equal dignity herewith. The owner of the

said property has expressly covenanted and agreed to this provision and all other terms and provisions of this Development Order.

(5) The terms and provisions of this Order are not severable and in the event any portion of this Order shall be found to be invalid or illegal then the entire order shall be null and void.

Done and Ordered on the date first written above.

By: _____
Matthew West
Planning Manager

STATE OF FLORIDA)
COUNTY OF SEMINOLE)

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared _____ who is personally known to me or who has produced _____ as identification and who executed the foregoing instrument.

WITNESS my hand and official seal in the County and State last aforesaid this _____ day of _____, 2004.

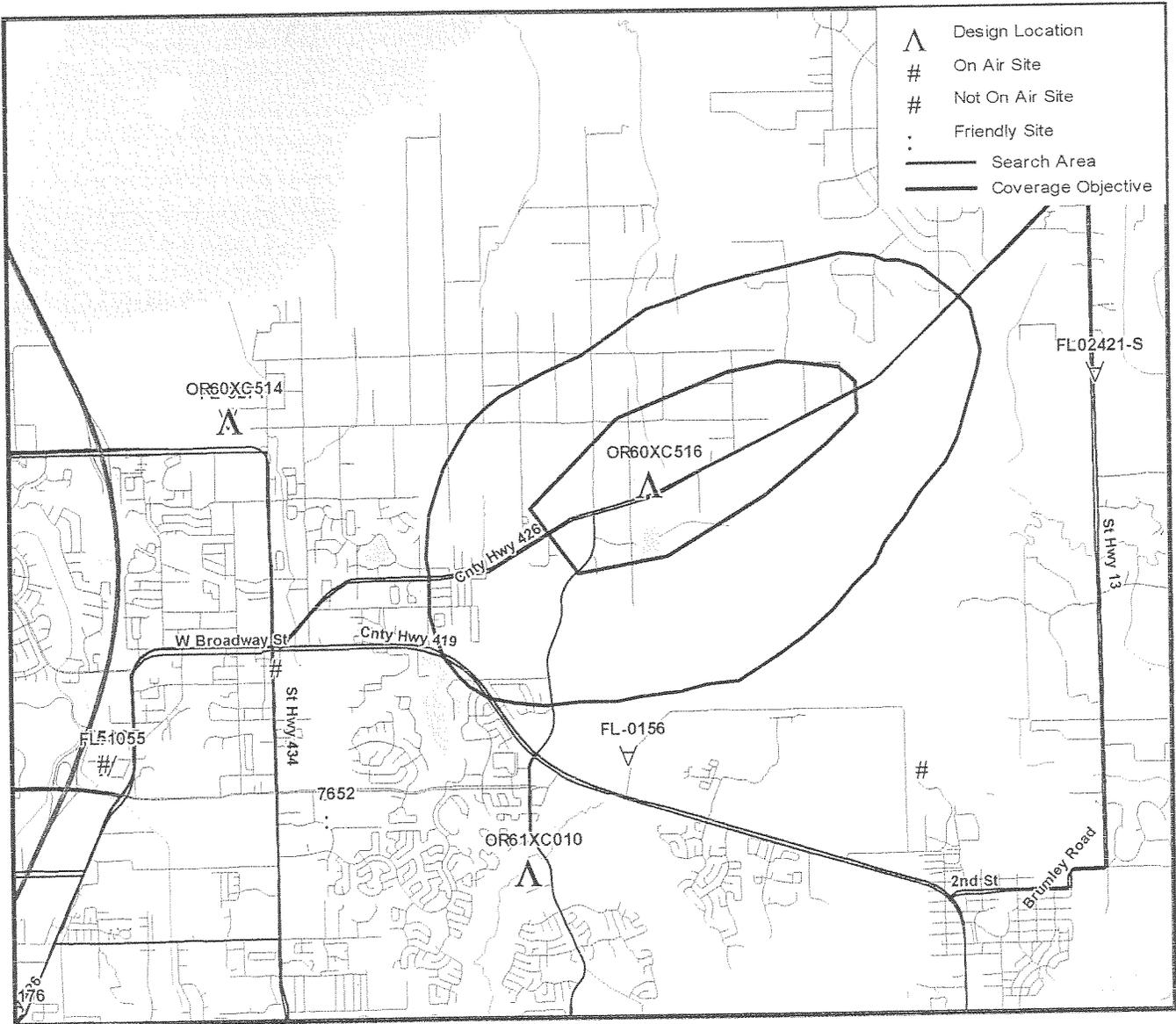
Notary Public, in and for the County and State
Aforementioned

My Commission Expires:

Sprint PCS Site Acquisition Request Form

Market and Source Data	
Client:	Sprint PCS
Market:	Orlando
Phase:	5
Date:	May 15, 2003
RF Engineer:	David Coniglio
Telephone:	407-475-2022
Mobile:	407-230-9743
Additional Contact:	Scott McElligott

Search Ring Information	
	Market Final Rank 56
Site Number:	OR60XC516
Site Name:	Solution 98 Big Econ
City/Town Name:	Orlando
ZipCode:	32765
Center of Search Latitude:	28.687
Center of Search Longitude:	-81.1646
Ground Elevation AMSL (ft):	23
Centerline AGL (ft):	Min: 170; Max190; Preferred 190
Morphology:	Suburban



Sprint PCS

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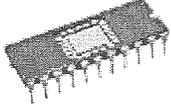
Projected Antenna Building Layout Plan	
Initial Configuration	3-sector site
Antenna Orientation (initial estimate)	0, 120, 240
Antenna Type/Configuration	Panel/ 2 per sector
Equipment Type	Full Site Metrocell
Vendor	Nortel

Additional RF design criteria for Repeaters sites only

RF Design Comments
A monopole may be required in the search area. Power connection and enough room to house equipment along with room for growth cabinet and backup power supply is a requirement. Any building or support structure meeting the height requirement within the search area should be submitted as a candidate.

RF Coverage Objectives	Legend																
	<table border="1"> <tr> <td>▲</td> <td>Design Location</td> </tr> <tr> <td>#</td> <td>On Air Site</td> </tr> <tr> <td>#</td> <td>Not On Air Site</td> </tr> <tr> <td>.</td> <td>Friendly Site</td> </tr> <tr> <td>—</td> <td>Search Area</td> </tr> <tr> <td>—</td> <td>Coverage Objective</td> </tr> </table>	▲	Design Location	#	On Air Site	#	Not On Air Site	.	Friendly Site	—	Search Area	—	Coverage Objective				
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Possible Site Candidates/Miscellaneous Site Information				
Cand #	Address	Description	Location Type	Possible Antenna Mount
1				
2				
3				
4				
5				
6				



Greg Holcomb/Seminole
10/15/2004 09:44 AM

To Kathy Fall/Seminole@Seminole, Earnest
McDonald/Seminole@Seminole
cc
bcc
Subject Tower reviews

I have reviewed the two applications for Special Exceptions submitted by Sprintcom, Inc. at the proposed locations of 1051 Van Arsdale Street Oviedo and 9913 Bear Lake Road Apopka. Both seem to be in order from the RF engineering and co-location perspective. You may want the applicant to insure they are building suitable co-locatable structures with space for future providers in the same area and their intent to allow such.

Let me know if you need any further information. Thanks.

--****Florida has a very broad Public Records Law. Virtually all written communications to or from State and Local Officials and employees are public records available to the public and media upon request. Seminole County policy does not differentiate between personal and business emails. E-mail sent on the County system will be considered public and will only be withheld from disclosure if deemed confidential pursuant to State Law.****

Sec. 30.1363. Applicability/administration.

- (a) All new communication towers in unincorporated Seminole County shall be subject to the land development regulations set forth in this part, all other applicable land development regulations set forth in this Code and all federal and state laws relating thereto.
- (b) For purposes of measurement, communication tower setbacks and separation distances, as outlined in Section 30.1364, shall be calculated and applied to facilities located anywhere in Seminole County irrespective of municipal and county jurisdictional boundaries.
- (c) All new communication antennas which are not attached to communication towers shall comply with Section 30.1367.
- (d) All communication towers existing prior to the effective date of Sections 30.1362 through 30.1370 shall be permitted to continue to be used as they presently exist. Routine maintenance (including replacement with a new tower, or tower of less impact, of like construction; provided, however, that any such tower shall be the same or less height of the tower as it existed on the effective date of this part) shall be permitted on such existing communication towers; provided, however, that replacement of the communication tower shall require the entire site be brought into compliance with Section 30.1365. New construction, other than routine maintenance of an existing communication tower, shall comply with any adopted land development regulations, applicable building codes and related codes.
- (e) A communication tower that has received county approval in the form of either a special exception or building permit, but has not yet been constructed, shall be considered an existing tower if such approval is valid, current and not expired.
- (f) AM array consisting of one (1) or more tower units and supporting a ground system which functions as one (1) AM broadcasting antenna shall be considered one (1) communication tower. Measurements for setbacks and separation distances shall be measured from the outer perimeter of a communication tower included in the AM array. Additional tower units may be added within the perimeter of the AM array by right.
- (g) The determination as to whether placement of a communication tower on property assigned the PUD or PCD zoning classification shall be based on the identified zoning or use for that tract within the development.
- (h) Determinations of compliance with the provisions of Sections 30.1362 through 30.1370 or with regard to any matter relating to communication towers shall be made by the current planning manager subject to the appeal processes and procedures as set forth at Sections 30.42 and 30.43.
- (i) To ensure that the least intrusive methods for communication service are implemented, the current planning manager may require detailed written reports from applicants explaining and detailing, among other things, the reasons that co-location, camouflaging, alternative site, or a less intrusive tower or antenna was not proposed.

(Ord. No. 96-5, § 28, 7-9-

Sec. 30.1364. Performance standards.

(a) *Setbacks.*

- (1) Communication tower setbacks shall be measured from the outer extremity of the base of the communication tower to the property line of the parcel on which it is located.
- (2) Communication towers shall be located on parcels which comply with the minimum setback and lot size requirements of the zoning classification assigned to the property on which they are located.
- (3) For towers located on properties assigned the PUD or PCD zoning classification, the setback requirements for the parcel outlined in the PUD/PCD approval shall apply.
- (4) In cases where there are non-conforming residential uses on property which is not assigned a residential zoning classification, a reduction of fifty (50) percent of the side or rear yard setback distance opposite the non conforming residential use shall be permitted by the current planning manager unless the side or rear yard proposed for reduction is assigned a residential land use designation or zoning classification.

(b) *Minimum separation from off-site uses/designated areas.*

- (1) Communication tower separation shall be measured from the outer extremity of the base of the tower to the closest property line of the off-site use as specified in Table 1 below.
- (2) Separation requirements for communication towers shall comply with the minimum standards established in Table 1 below unless otherwise provided.
- (3) Reduced separation distances may be reduced by the current planning manager when written consent as set forth in a recordable instrument is obtained from all property owners within the applicable separation distance.
- (4) Separation distances may be decreased or increased by the board of adjustment in accordance with the procedural requirements for variances as set forth in this Code and the substantive determinations as set forth in Table 1 below; when considering whether to approve a special exception, if competent substantial evidence is presented demonstrating unique planning considerations and compatibility impacts.

TABLE 1

MINIMUM SEPARATION FROM OTHER USES

TABLE INSET:

Off-site Use	Separation Distance
Property assigned a single-family (includes modular homes and mobile homes used for living purposes), duplex, or multi-family residential zoning classification or future land use designation or with an existing residential use.	200 feet or 300% height of tower whichever is greater except when a variance is granted based upon findings that the aesthetic impacts of the tower is enhanced, that compatibility with abutting property owners is maintained, and the approval of the tower would be consistent with and further the provisions of Section 30.1362. The standard relative to variances as otherwise set forth in this Code may be considered in determining whether to approve a variance hereunder, but shall not be determinative as to whether the variance may be granted.
Property assigned a non-residential zoning classification or future land use designation or property with an existing non-residential use.	None. Only district setbacks apply.

(c) *Separation distances between communication towers.*

- (1) Separation distances between communication towers shall be and measured between the communication tower proposed for approval and those towers that are permitted or existing.
- (2) The separation distances shall be measured by drawing or following a straight line between the GPS coordinate of the center of the existing or permitted communication tower and the proposed GPS

coordinate of the center of the proposed communication tower as depicted on a site plan of the proposed tower.

(3) The separation distances, listed in linear feet, shall be as set forth in Table 2

TABLE 2

SEPARATION DISTANCES BETWEEN COMMUNICATION TOWERS

TABLE INSET:

DESCRIPTION	EXISTING TOWERS				
	LATTICE	GUYED	MONOPOLE 75 FT IN HEIGHT OR GREATER	MONOPOLE LESS THAN 75 IN HEIGHT	CAMOUFLAGE
LATTICE	5,000	5,000	1,500	750	0
GUYED	5,000	5,000	1,500	750	0
MONOPOLE 75 FT IN HEIGHT OR GREATER	1,500	1,500	1,500	750	0
MONOPOLE LESS THAN 75 IN HEIGHT	750	750	750	750	0
CAMOUFLAGE	0	0	0	0	0

(4) A variance from the minimum separation distances between communication towers as set forth in Table 2 may be granted when two (2) or more communication tower owners or operators agree to co-locate their communication antennas on the same communication tower and upon findings being made that the aesthetic impacts of the tower is enhanced, that compatibility with abutting property owners is maintained, and the approval of the tower would be consistent with and further the provisions of section 30.1362. The standard relative to variances as otherwise set forth in this Code may be considered in determining whether to approve a variance hereunder, but shall not be determinative as to whether the variance may be granted.

(d) *Measurement of height.* Measurement of communication tower height shall include antenna, base pad and any and all other appurtenances and shall be measured from the finished grade of the parcel on which the communication tower is located.

(Ord. No. 96-5, § 29, 7-9-

Sec. 30.1366. Abandonment.

(a) In the event that the use of any communication tower has been found to be discontinued, as determined by the current planning manager, for a period of one hundred eighty (180) consecutive days said tower shall be deemed to have been abandoned.

(b) In the event the communication tower is found by the current planning manager to be abandoned, the owner/operator of the communication tower or the owner of the property on which the communication tower is located shall have one hundred eighty (180) days from the date of the current planning manager's finding of abandonment within which to:

(1) Reactivate the use of the communication tower or transfer the tower to another owner/operator who must make actual use of the tower as previously permitted within ninety (90) days of the transfer, or

(2) Dismantle and remove the communication

(c) Determination of the date of abandonment shall be made by the current planning manager who shall have the power to request documentation and affidavits from the communication tower owner/operator regarding the issue of communication tower usage. The communication tower owner/operator shall provide all requested information within five (5) working days of a request being made.

(d) With regard to towers that received special exception and/or variance approval, one hundred eighty (180) days after dismantling or the expiration of the three hundred and sixty (360) day period as set forth in this section, the special exception and/or variance for the tower shall automatically expire.

(e) Each owner/operator of a communication tower shall post a surety bond, or other instrument or guarantee of a form acceptable to the county attorney, with the current planning manager in favor of the county in an amount found by the current planning manager to be reasonably necessary to remove the communication tower in the event of abandonment. The current planning manager is hereby granted authority to establish this amount based on policy guidelines adopted by the board of county commissioners. The contents of such bond shall include or the bond shall be accompanied with a contingent right of entry which runs with the land to authorize entry upon the property in the event that it is necessary to remove the abandoned tower.

(Ord. No. 96-5, § 31, 7-9-96; Ord. No. 97-18, § 45, 5-13-

Sec. 30.1367. Communication antennas.

Any communication antenna which is not attached to a communication tower shall be a permitted ancillary use to any commercial, industrial, professional, institutional, multi-family or utility structure provided that:

- (1) The communication antenna does not exceed more than twenty (20) feet above the highest point of the structure; and
- (2) The communication antenna complies with all applicable FCC and FAA regulations;
- (3) The communication antenna complies with all applicable building codes and laws, rules and regulations.

(Ord. No. 96-5, § 32, 7-9-

Sec. 30.1368. Co-location of communication tower antennas.

(a) General policy relating to co-location. To minimize adverse visual impacts associated with the proliferation and clustering of **Communication Towers**, co-location of **Communication Antennas** by more than one (1) carrier on existing or new **Communication Towers** is encouraged. Additional **Communication Antennas** proposed on existing **Communication Towers** are permitted uses and may co-locate onto existing **Communication Towers** if they satisfy the requirements of this section and no special exception is required:

(b) Procedure for administrative granting of special exceptions. If co-location requires utilization of real property for construction of ancillary facilities such as equipment rooms, which uses were not permitted under the applicable zoning code and which uses are expressly prohibited by prior special exceptions, then such ancillary facilities such as equipment rooms shall not be deemed a permitted use as a matter of right under this section unless and until a special exception is issued pursuant to the provisions of this subsection.

(1) The Current Planning Manager, after consultation with the applicant, shall determine in conjunction with the Planning and Development Director, consistent with sound and generally accepted planning and land use principles, whether co-location of ancillary equipment, such as equipment rooms, in support of co-located **communication antennae** are appropriate and meet the criteria of this Section.

(2) Upon a determination that the co-location of ancillary facilities, including equipment rooms, are appropriate for a parcel, the Current Planning Manager shall cause a "Notice of Intent to Allow Co-Location of **Communication Tower Ancillary Facilities, including Equipment Rooms**" to be published in a newspaper of general circulation. The Notice shall, at a minimum, state the address of the real property and the proposed use. The Notice shall further state that any person objecting to the use of the property as described must file a notice of objection with the Current Planning Division within thirty (30) days of the publication.

(3) Upon a determination that co-location of **Communication Tower** ancillary facilities (including equipment rooms) is not appropriate for the subject property, the applicant may appeal said decision to the Board of County Commissioners by filing a notice of appeal with the Current Planning Division within thirty (30) days of the rendering of the decision. The Current Planning Division shall schedule the appeal before the Board. The Board may approve or deny the co-location.

(4) If the Current Planning Division receives no objections to the Notice, in his or her sole discretion, then the Current Planning Manager shall allow the co-location of **Communication Tower** ancillary structures (including equipment rooms) as proposed.

(5) The Planning and Development Director shall issue a development order or denial development order consistent with the determination made under this Section.

(c) Type of construction. A **Communication Tower** which is modified or reconstructed to accommodate the co-location of an additional **Communication Antenna** shall be of the same **Tower** type or a lesser impact **Tower** type, as determined by the Current Planning Manager based upon the intent of Sections 30.1362 through 30.1370 and sound and generally acceptable planning practices and principles, as the existing **Communication Tower**.

(d) Height. An existing **Communication Tower** may be modified or rebuilt to a taller height, not to exceed twenty feet (20') over the Tower's existing height, to accommodate the co-location of an additional **Communication Antenna**. Such a height increase may only occur one (1) time per **Communication Tower** and may be allowed for those sites which obtained previous special exception approval. The additional height authorized herein shall not require an additional distance separation as described in Table 1, Section 30.1364. The **Communication Tower's** pre-modification height shall be used to calculate such distance separations.

(e) Site location. A **Communication Tower** which is being rebuilt to accommodate the co-location of an additional **Communication Antenna** may be moved on the site to an area located within fifty (50') feet of its existing location and may also be relocated, with the approval of the Current Planning Manager based upon sound planning and land use principles and upon a finding that such approval would be consistent with and further the intent of this Code, in the same manner on a site which received a previous special exception notwithstanding any condition of approval relating to the grant of the special exception. After a **Communication Tower** is rebuilt to accommodate co-location, only one (1) **Tower** may remain on the site. A **Communication**

Tower relocated on a site shall continue to be measured from the original Tower location for purposes of calculating separation distances between **Communication Towers**. A **Communication Tower** which has been relocated on a site and which intrudes into the separation distances required with regard to property described in Table 1, Section 30.1364, shall only be permitted when written consent as set forth in a recordable instrument is obtained from all property owners within the applicable separation distance.

(f) Filing of a master plan. To enhance the County's ability to promote the co-location of **Communication Towers**, any **communication** company that owns or operates a **Communication Tower** in the County or intends to install a **Communication Tower** in the County shall file with the Current Planning Division a master plan indicating the site of all existing **Communication Towers**, any and all proposed **Communication Tower** sites and a statement describing the anticipated **Communication Tower** needs over the next ten (10) years; provided, however, that disclosure of marketing strategies, trade secrets, commercially privileged information or any other information that the provider deems would adversely effect his, her or its ability to compete is not required to be disclosed and the determination of the **communication** company shall be conclusive. The master plan shall be filed on or before January 1 of each year. The master plan is not binding. Its primary purpose is to serve as a mechanism of coordinating co-location of **Communication Towers** between persons and entities involved in that industry.

(Ord. No. 96-5, § 33, 7-9-96; Ord. No. 00-44, § 54, 8-22-

Sec. 30.1370. Non-conforming uses.

Bona fide nonconforming communications towers or antennas that are damaged or destroyed may be rebuilt without being required to comply with applicable separation requirements. The type, height, and location of a replacement communication tower shall be of the same type and intensity or of a type and intensity of less impact as the communication tower that was damaged or destroyed. Building permits to rebuild a communication tower shall comply with all building codes and must be obtained within one hundred eighty (180) days from the date the facility is damaged or destroyed. If no permit is obtained or if a permit that was issued expires, the communication tower shall be deemed abandoned in accordance with Section 30.1366.

(Ord. No. 96-5, § 35, 7-9-

Secs. 30.1371--30.1375.

Sec. 30.1376. Annual report.

(a) The county manager, or his or her designee, shall issue a report to the board of county commissioners on or before December 31, of each year, beginning in 1997, relating to the status of communication towers in the county, anticipated developments in the telecommunications industry, projected issues to be faced by the county and conceptual county programs and policies to address the challenges that are likely to be faced by the county relative to the matters addressed in this part.

(b) To enhance the county's ability to promote the co-location of communication towers and to address other land use issues relative to communication towers, each communication company that owns or operates a communication tower in the county or intends to install a communication tower in the county shall designate a representative to meet with the current planning division at least annually to discuss and evaluate the issues relating to the siting and other planning issues relating to communication towers as well as technological developments in the communications field.

(Ord. No. 96-5, § 36, 7-9-

Sec. 30.1377. Required submittals checklist.

The current planning manager shall develop and widely distribute a checklist for applicants for approvals for the placement of communications towers which checklist shall contain, at a minimum, all of the required submittals and information necessary to make application for approval of a communications tower.

(Ord. No. 97-18, § 44, 5-13-

Sec. 30.1379. Camouflage towers; where permitted.

Camouflage communication towers may be permitted by the current planning manager on any parcels which is not assigned a residential zoning classification provided that the current planning manager makes the findings set forth in the definition of the term "camouflage communication tower."

(Ord. No. 97-25, § 14, 5-27-

Sec. 30.1378. Temporary uses.

The Current Planning Manager may approve the use of properties for temporary use for the sale of merchandise related to customary seasonal holidays such as Christmas, Easter, the Fourth of July and Valentines Day or for special events on property assigned a zoning classification which permits the use if he or she determines that ingress and egress, parking and requisite setbacks are provided that are consistent with and safeguard the public health, safety, morals and welfare. Any use exceeding a temporary use shall subject the property to all provisions of this Code including, but not limited to, site plan approval, impact fee assessment, master plan approval, and any and all other approvals required by this Code. Notwithstanding any provisions of this Code to the contrary, the parking of semi-tractor trailers and cargo trailer boxes is permitted within property assigned a commercial zoning classification to support the storage or other needs of approved temporary uses.

(Ord. No. 97-18, § 12, 5-13-97; Ord. No. 00-44, § 55, 8-22-

- The package sale of alcoholic beverages shall be prohibited.
- Any additional conditions deemed appropriate by the Board of Adjustment.

Dina Ehlers stated that she has owned and operated the existing business since 1990. She also stated that the reason for the change is to comply with the recent changes to smoking laws as pertaining to bars with less than 10 percent food sales. She further stated that if she is allowed to separate the business which she currently lease two locations 3871 & 3875, she would have a very nice restaurant and a neighborhood bar. She lastly stated that it would be more beneficiary, giving the customers the choice of eating or drinking.

Mrs. Buchanan made a motion to approve the request per staff recommendation.

Mr. Bushrui seconded the motion.

The motion passed by unanimous consent (5-0).

- 11. 5555 WAYSIDE DRIVE** - Guy Rizzo, applicant; Request for special exception to establish a theological studies college in the A-1 (Agriculture District); Located on the south side of Wayside Drive, approximately 0.2 mile east of the intersection of Orange Boulevard and Wayside Drive; (BS2004-027).
Francisco Torregrosa, Planner

This item was continued until the November 15, 2004 meeting.

- 12. 1051 VAN ARSDALE STREET** - Gary & Elizabeth A. Lashinsky, applicants; Request for (1) special exception to establish a 197 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances from 591 feet to 60 feet, 591 feet to 230 feet, 591 feet to 270 feet, 591 feet to 450 feet and 591 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings; Located on the east side of Van Arsdale Street, approximately 192 feet north of the intersection of Van Arsdale Street and North County Road 426; (BS2004-029) (BV2004-149).
Kathy Fall, Senior Planner
Earnest McDonald, Principal Coordinator

Kathy Fall introduced the location of the application and stated that the subject property abuts a total of five (5) properties where there are existing single-family residences with the separation radius. She also stated that based on the submitted propagation maps and supporting documentation, the applicants have demonstrated a need to expand Sprint's wireless service area by establishing a communication tower in the general vicinity of the subject property. She further

stated that staff recommended approval of the special exception request with the following conditions:

- The proposed tower shall not exceed 194 feet.
- Any improvements and/or additions to the proposed tower shall be submitted for approval to the County.
- A listed species survey shall be provided prior to Final Engineering approval.
- Prior to the final Development Order approval, an application for full concurrency management shall be provided.

Jay Shirah stated that he was speaking on behalf of Sprint PCS. He also stated that they are responsible for the zoning portion of the site and the site acquisition. He also stated that it is always the intent of Sprint PSP to collocate when ever possible. He further stated that at this site it was not possible because doing so would create over lap. He also stated that they felt this area was compatible for a communication tower, there is commercial use, office, and warehouses which is a mixed use. He further stated that the 194 feet monopole type structure is the least intrusive. He lastly stated that the ground equipment would be surrounded with a wooden fence to hide the base equipment.

Gore Hamrick stated that he lives in the property adjacent to the proposed site, and he has lived there for over 17 years. He also stated that he own a tree service and has a horse barn on his property and is concerned about the tower falling over. He further stated that he was concerned about the tower effecting his cell phone service and if he would have to change his current service. He lastly stated that he didn't want the tower in his neighborhood for safety reasons.

Carl Bowman stated that he has had several experiences with radiation and the micro waves from him being a Safety Engineer with Pan American World Airways. He also stated that he didn't like the idea of the tower being that close to his home. He further stated that for health reasons he was against the tower.

Laurian Rauen stated that she own the 11 acre property directly across the street from the proposed site. She also stated that she was one of the three (3) original people that Sprint talked to about the proposed tower. She further stated that she was surprised when they choose that location due to the fact that it is so close to many residents and the church.

Jay Shirah stated that the tower would be built to the standards set forth by the State of Florida. He also stated he was not aware of any towers coming down from the hurricanes that came through Florida. He further stated that in this area it is impossible to meet the 591 foot setback required for distance separation from a tower, but they have chosen the most compatible area.

Richard Shirah stated that he did contact some of the adjacent neighbors to inform them of the proposed communication tower. He also stated that he had a letter of support from one of the adjacent neighbors. He further stated that they turn in three

(3) candidates when a site is chosen. He lastly stated that the health issue is a non issue because it can't be considered as far as the tower is concerned.

Learie Hercules stated that he was an RF Engineer representing Sprint interest. He also stated that he has documentation from the Federal Communication Commission that addresses some of the concerns about radiation and health issues. He also stated the exposure limits adopted by the FCC in 1996 expressed in terms and magnetic field strength and power density for transmitters operating at frequencies from 300 khz to 100 ghz. He further stated that the most restrictive limits on exposure are in the frequency range of 30-300 MHz where the human body absorbs RF energy. He also stated that when a call is made a mobile phone can only transmit 0.6 watts and the communication tower has to transmit back the same 0.6 watts. He lastly stated that the FCC policies with respect to environmental RF fields are designed to ensure that FCC regulated transmitters don not expose the public or workers to levels of RF radiation that are considered by expert organizations to be potentially harmful.

Mr. Bushrui made a motion to approve the request per staff recommendations.

Mrs. Buchanan seconded the motion.

The motion passed by (3-2) consent. Mr. Hattaway and Mr. Rozon were in opposition.

REGULAR ITEMS

APPEALS FROM ADMINISTRATIVE DECISIONS:

13.1675 DIXON ROAD - Viacom Outdoor / Glenn N. Smith, applicants; Appeal of the Planning Manager's decision to deny a permit for the replacement and/or repair of a nonconforming billboard damaged beyond 50 percent of its replacement value in the A-1 (Agriculture District); Located at the southwest corner of West Interstate-4 and Dixon Road; (BA2004-002).

Matt West, Planning Manager

This item was continued until the November 15, 2004 meeting.

APPROVAL OF OCTOBER 2004 SPECIAL MEETING MINUTES

Mrs. Buchanan made a motion to approve the amended October 4, 2004 minutes.

Mr. Bushrui seconded the motion.

The motion passed by unanimous consent (5-0).

SEMINOLE COUNTY BOARD OF COUNTY COMMISSIONERS
DECISION ON APPEAL

This decision is made by the Board of County Commissioners of Seminole County, Florida, this 25th day of January 2005, in accordance with Section 30.43 of the Land Development Code of Seminole County (LDC), as amended, upholding a decision of the Board of Adjustment to approve a request for (1) Special Exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances from 582 feet to 60 feet, 582 feet to 230 feet, 582 feet to 270 feet, 582 feet to 450 feet and 582 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings.

A. FINDINGS OF FACT

1. On October 25, 2004, the Board of Adjustment approved a request for (1) Special Exception to establish a 194 foot tall monopole communication tower in the A-5 (Rural Zoning Classification District); and (2) associated variances from 582 feet to 60 feet, 582 feet to 230 feet, 582 feet to 270 feet, 582 feet to 450 feet and 582 feet to 535 feet to reduce the minimum distance separation from the proposed tower to the nearest properties with single-family dwellings., as requested by Spintcom, Inc. on the property further described by the following legal description:

LEG W 1/2 OF LOT 437 BLACK HAMMOCK PB 1 PG 31

2. The Board of County Commissioners has the authority and responsibility to adjudge this appeal by virtue of Section 30.43(f), LDC.

3. On January 25, 2005, the Board of County Commissioners heard an appeal of this decision.

B. CONCLUSIONS OF LAW

The Board of County Commissioners finds that the request is in conformance with Section 30.1364(b) of the Land Development Code of Seminole County due to the following:

1. The Board hereby agrees with and adopts the staff recommendations as reflected in the Agenda Memorandum, Item # _____.
2. The subject request meets all of the criteria in Section 30.1364(b), LDC, for granting of a variance because:
 - a. The applicants have demonstrated a need to expand Sprint's Wireless service area by establishing a communication tower in the general vicinity of the subject property. The applicants have further indicated that all co-location opportunities have been explored and deemed unacceptable for meeting Sprint's coverage goals and the provision of homogeneous service across its network.

C. DECISION

Based upon the foregoing and having fully considered the application submitted, and the testimony presented at the Board of County Commissioners public hearing on January 25, 2005, it is determined by majority vote of members of the Board of County Commissioners of Seminole County, Florida, that the subject decision of the Board of Adjustment is **UPHELD** and the Special Exception and associated variances are approved.

DATED this 25th day of January 2005.

Board of County Commissioners
Seminole County, Florida

Carlton D. Henley, Chairman