

CASE SUMMARY

APPLICATION TYPE: USE ON REVIEW

KNOXVILLE-KNOX COUNTY

M P C
METROPOLITAN
P L A N N I N G
C O M M I S S I O N

T E N N E S S E E

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www.knoxmpc.org

File Number: 7-E-09-UR **Related File Number:**
Application Filed: 6/1/2009 **Date of Revision:**
Applicant: U. S. CELLULAR CORPORATION

PROPERTY INFORMATION

General Location: Southeast side of Andes Rd., west of Chert Pit Rd.
Other Parcel Info.:
Tax ID Number: 105 104 **Jurisdiction:** County
Size of Tract: 2.14 acres
Accessibility: Access is via Andes Rd., a major collector street with a 19' pavement width within a 50' right-of-way.

GENERAL LAND USE INFORMATION

Existing Land Use: Vacant land
Surrounding Land Use:
Proposed Use: 100 foot monopole telecommunications tower **Density:**
Sector Plan: Northwest County **Sector Plan Designation:** LDR
Growth Policy Plan: Planned Growth Area
Neighborhood Context: The proposed site is located at the transition between low density residential/agricultural property and a residential subdivision.

ADDRESS/RIGHT-OF-WAY INFORMATION (where applicable)

Street: 1504 Andes Rd
Location:
Proposed Street Name:
Department-Utility Report:
Reason:

ZONING INFORMATION (where applicable)

Current Zoning: A (Agricultural)
Former Zoning:
Requested Zoning:
Previous Requests:
Extension of Zone:
History of Zoning: None noted

PLAN INFORMATION (where applicable)

Current Plan Category:
Requested Plan Category:

SUBDIVISION INFORMATION (where applicable)

Subdivision Name:

No. of Lots Proposed:

No. of Lots Approved: 0

Variances Requested:

S/D Name Change:

OTHER INFORMATION (where applicable)

Other Bus./Ord. Amend.:

MPC ACTION AND DISPOSITION

Planner In Charge: Tom Brechko

Staff Recomm. (Abbr.): APPROVE the development plan for a 100 foot monopole telecommunications tower with close mount antenna arrays in an A (Agricultural) zoning district subject to 6 conditions:

Staff Recomm. (Full):

1. Meeting all applicable requirements of the Knox County Zoning Ordinance.
2. Revising the access drive to a minimum width of at least 18 feet with any driveway grades over 8% being paved to a standard to be determined by the Knox County Department of Engineering and Public Works. A turnaround area shall also be provided at the end of the driveway subject to approval by the Knox County Department of Engineering and Public Works.
3. Meeting all applicable requirements of the Knox County Department of Engineering and Public Works.
4. Since the FAA does not require any lighting for this facility, there shall be no lighting on the tower.
5. Installing the proposed landscaping as shown on the landscape plan within six months of the tower becoming operational.
6. At the time of the request for a building permit, posting a bond or other approved financial surety that would ensure the removal of the tower if it is abandoned.

With the above conditions, this request meets all requirements for approval of a use on review in the A zone.

Comments:

This is a request for a new 100 foot monopole telecommunications tower to be located within a 1,600 square foot lease area located on a 2.14 acre tract. The subject property is zoned A (Agricultural) and telecommunication towers are considered as a use on review in this district. The property is heavily wooded and is located along the southern boundary of the Agricultural District adjacent to an established subdivision that is zoned RA (Low Density Residential).

The proposed tower site will have access to Andes Rd. by a 30 foot wide access easement. Grades for the access drive to the tower site are proposed at about 5.5%. A condition has been recommended that the access drive to the site have a minimum width of 18 feet and if the finished grade is over 8 % a paved driveway meeting the requirements of the Knox County Department of Engineering and Public Works will be required.

The proposed tower is required to be located 110 feet (110% of the tower height) from the nearest residence. The tower site is located 115 feet from the closest property line (to the east) and is approximately 185 feet to the nearest residence.

The visual impact on nearby residences will be minimal due to the tree coverage on this site. The applicant will be installing a 6 foot high security fence surrounding the tower and equipment area. A landscape screen is also being provided around the lease site.

The tower is designed so it will collapse upon itself in case of a natural disaster or other failure. FAA does not require any lighting for the tower. The tower will support up to 3 telecommunication carrier antenna arrays. U. S. Cellular Corporation will be the principal client for the tower. A letter has been submitted stating that U. S. Cellular Corporation agrees to make this facility available to other wireless providers for co-location. There are no other towers within one mile of the proposed tower that could provide the coverage needed by the applicant.

Attached to the staff report are several support documents, including a report from MPC's tower consultant, Mr. Larry E. Perry. Mr. Perry's report describes the proposal and highlights his findings. Mr. Perry concludes that the 100' tower is technically justified by the materials submitted by the applicant (see attached report).

EFFECT OF THE PROPOSAL ON THE SUBJECT PROPERTY, SURROUNDING PROPERTY AND

THE COMMUNITY AS A WHOLE

- 1. The proposed development will have minimal impact on local services since utilities are available to serve this site.
- 2. The tower, being located within a low density residential area, is required to be screened. A landscaped screen will be provided around the tower site, the impact on nearby residences will be minimal.

CONFORMITY OF THE PROPOSAL TO CRITERIA ESTABLISHED BY THE KNOXVILLE ZONING ORDINANCE

- 1. The proposed commercial telecommunications tower at this location meets the standards required in the A zoning district.
- 2. The proposed tower is consistent with the general standards for uses permitted on review: The proposed development is consistent with the adopted plans and policies of the General Plan, Northwest County Sector Plan and Wireless Communications Facility Plan. The use is in harmony with the general purpose and intent of the Zoning Ordinance. Since this is a heavily wooded area, the use will not significantly injure the value of adjacent property. The use will not draw additional traffic through residential areas.

CONFORMITY OF THE PROPOSAL TO ADOPTED PLANS

- 1. The Northwest County Sector Plan proposes low density residential uses for this area. The proposed development is consistent with this land designation.
- 2. The Wireless Communications Facility Plan identifies the proposed 100' monopole as a "moderate" monopole. Under the guidelines for Tower Placement section of the Facility Plan, the proposed tower falls within the "Sensitive" category which takes a neutral position on moderate monopoles located within 500' of a residence.
- 3. The site is located within the Planned Growth Area on the Knoxville-Knox County-Farragut Growth Policy Plan map.

MPC Action: Approved **MPC Meeting Date:** 7/9/2009

- Details of MPC action:**
- 1. Meeting all applicable requirements of the Knox County Zoning Ordinance.
 - 2. Revising the access drive to a minimum width of at least 18 feet with any driveway grades over 8% being paved to a standard to be determined by the Knox County Department of Engineering and Public Works. A turnaround area shall also be provided at the end of the driveway subject to approval by the Knox County Department of Engineering and Public Works.
 - 3. Meeting all applicable requirements of the Knox County Department of Engineering and Public Works.
 - 4. Since the FAA does not require any lighting for this facility, there shall be no lighting on the tower.
 - 5. Installing the proposed landscaping as shown on the landscape plan within six months of the tower becoming operational.
 - 6. At the time of the request for a building permit, posting a bond or other approved financial surety that would ensure the removal of the tower if it is abandoned.

With the above conditions, this request meets all requirements for approval of a use on review in the A zone.

Summary of MPC action: APPROVE the development plan for a 100 foot monopole telecommunications tower with close mount antenna arrays in an A (Agricultural) zoning district subject to 6 conditions:

Date of MPC Approval: 7/9/2009 **Date of Denial:** **Postponements:**
Date of Withdrawal: **Withdrawn prior to publication?:** **Action Appealed?:**

LEGISLATIVE ACTION AND DISPOSITION

Legislative Body: Knox County Board of Zoning Appeals
Date of Legislative Action: **Date of Legislative Action, Second Reading:**
Ordinance Number: **Other Ordinance Number References:**
Disposition of Case: **Disposition of Case, Second Reading:**
If "Other": **If "Other":**
Amendments: **Amendments:**
Date of Legislative Appeal: **Effective Date of Ordinance:**

