

18Cell 1000

5433 Johnsontown Road



Steve Hendrix, Planning Supervisor
February 28, 2018

Request

Cell Tower -----165 foot tower,
5 foot lightning arrestor

TOTAL HEIGHT: 170 feet

Compound Area: 4,225 square feet

Waiver to reduce the width of the landscape buffer area from 35 feet to 5 feet.

Search Addresses



Gray Aerial Base None



SEAFORTH DR

COTTINGHAM WAY

R4

CHENAULT RD

MAPLEVIEW DR



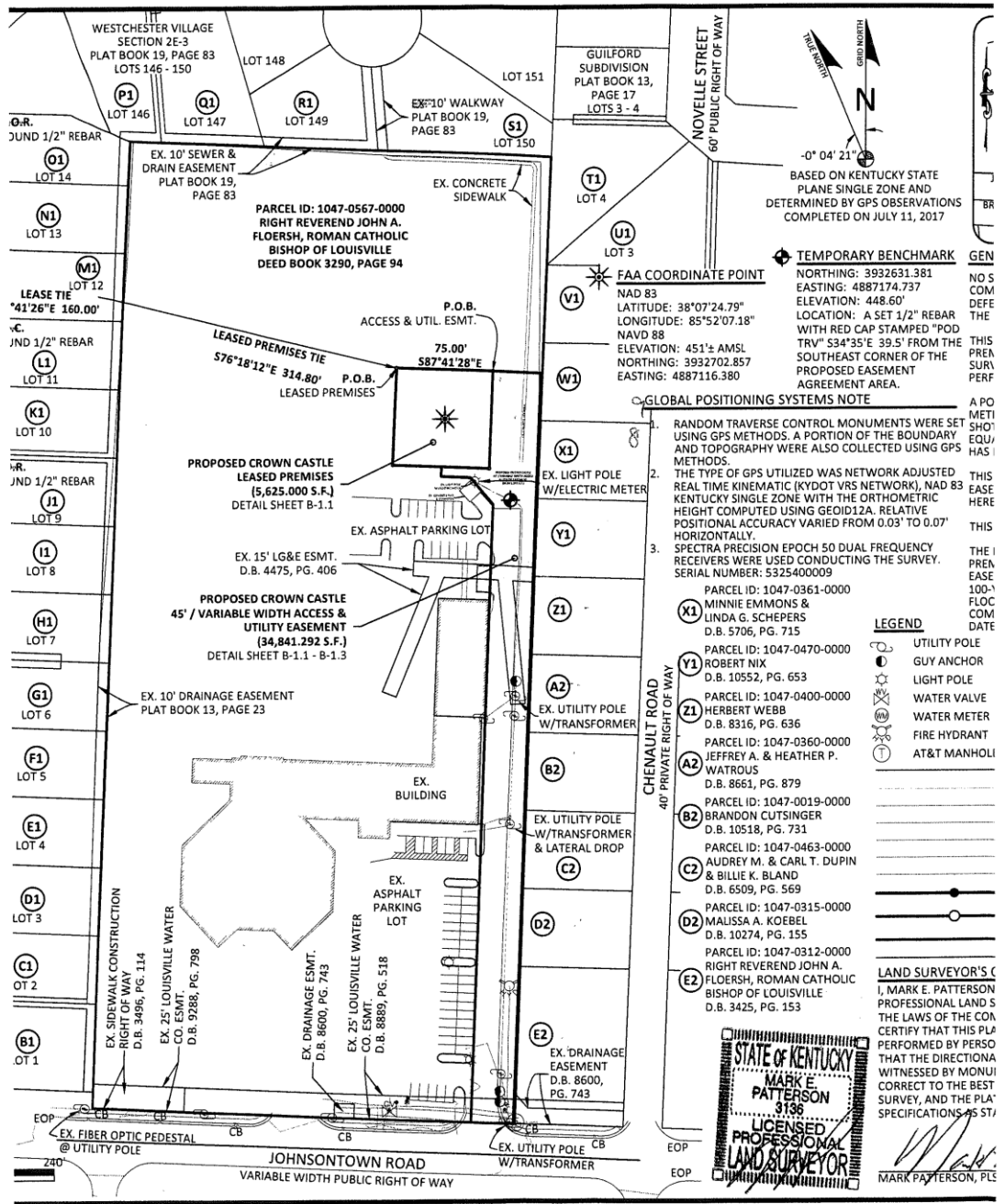
1:600



R4

CHENAULT RD

LOJIC
LOJIC ©



0° 04' 21" N
 60° NORTH
 BASED ON KENTUCKY STATE PLANE SINGLE ZONE AND DETERMINED BY GPS OBSERVATIONS COMPLETED ON JULY 11, 2017

FAA COORDINATE POINT
 NAD 83
 LATITUDE: 38°07'24.79"
 LONGITUDE: 85°52'07.18"
 NAVD 88
 ELEVATION: 451.1' AMSL
 NORTHING: 3932702.857
 EASTING: 4887116.380

TEMPORARY BENCHMARK
 GEN
 NORTHING: 3932631.381
 EASTING: 4887174.737
 ELEVATION: 448.60'
 LOCATION: A SET 1/2" REBAR WITH RED CAP STAMPED "POD TRV" 534°35'E 39.5' FROM THE SOUTHEAST CORNER OF THE PROPOSED EASEMENT AGREEMENT AREA.

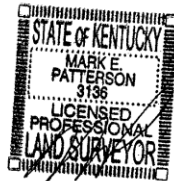
GLOBAL POSITIONING SYSTEMS NOTE

1. RANDOM TRAVERSE CONTROL MONUMENTS WERE SET USING GPS METHODS. A PORTION OF THE BOUNDARY AND TOPOGRAPHY WERE ALSO COLLECTED USING GPS METHODS.
2. THE TYPE OF GPS UTILIZED WAS NETWORK ADJUSTED REAL TIME KINEMATIC (KYDOT VRS NETWORK), NAD 83 KENTUCKY SINGLE ZONE WITH THE ORTHOMETRIC HEIGHT COMPUTED USING GEOID12A. RELATIVE POSITIONAL ACCURACY VARIED FROM 0.03' TO 0.07' HORIZONTALLY.
3. SPECTRA PRECISION EPOCH 50 DUAL FREQUENCY RECEIVERS WERE USED CONDUCTING THE SURVEY. SERIAL NUMBER: 5325400009

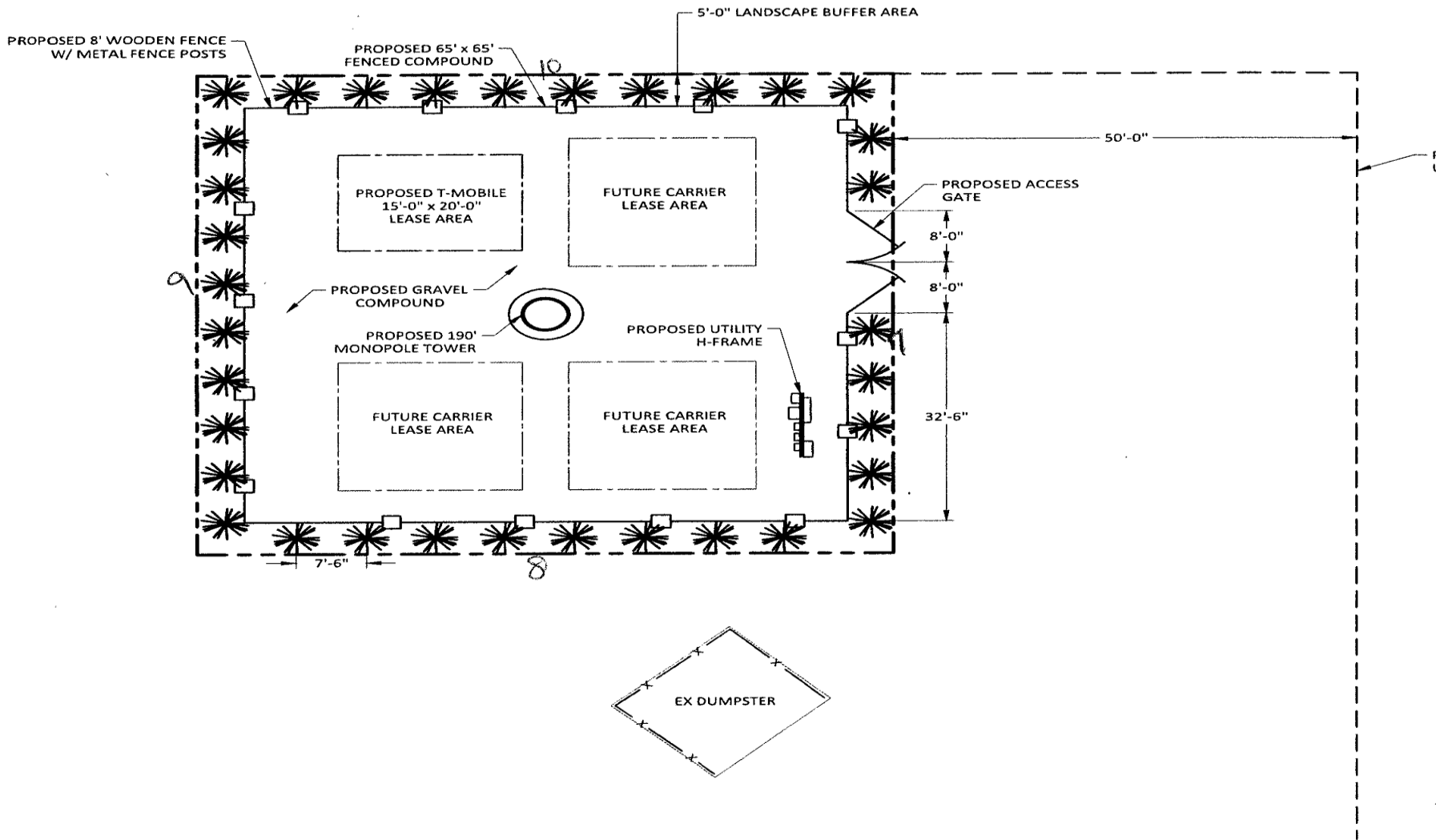
- X1** PARCEL ID: 1047-0361-0000
MINNIE EMMONS & LINDA G. SCHEPERS
D.B. 5706, PG. 715
- Y1** PARCEL ID: 1047-0470-0000
ROBERT NIX
D.B. 10552, PG. 653
- Z1** PARCEL ID: 1047-0400-0000
HERBERT WEBB
D.B. 8316, PG. 636
- A2** PARCEL ID: 1047-0360-0000
JEFFREY A. & HEATHER P. WATROUS
D.B. 8661, PG. 879
- B2** PARCEL ID: 1047-0019-0000
BRANDON CUTSINGER
D.B. 10518, PG. 731
- C2** PARCEL ID: 1047-0463-0000
AUDREY M. & CARL T. DUPIN & BILLIE K. BLAND
D.B. 6509, PG. 569
- D2** PARCEL ID: 1047-0315-0000
MALISSA A. KOEBEL
D.B. 10274, PG. 155
- E2** PARCEL ID: 1047-0312-0000
RIGHT REVEREND JOHN A. FLOERSH, ROMAN CATHOLIC BISHOP OF LOUISVILLE
D.B. 3425, PG. 153

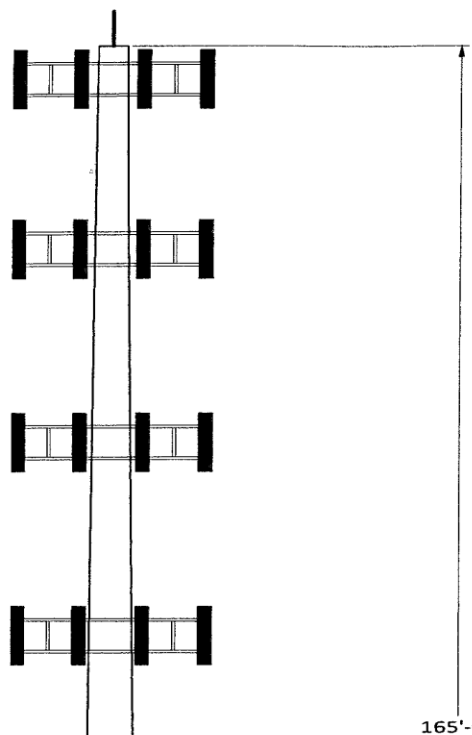
- LEGEND**
- UTILITY POLE
 - GUY ANCHOR
 - ⊙ LIGHT POLE
 - ⊗ WATER VALVE
 - ⊕ WATER METER
 - ⊖ FIRE HYDRANT
 - ⊙ AT&T MANHOLE

LAND SURVEYOR'S CERTIFICATE
 I, MARK E. PATTERSON
 PROFESSIONAL LAND SURVEYOR
 CERTIFY THAT THIS PLAN
 WAS PERFORMED BY PERSONS
 WHOSE NAMES ARE LISTED
 THAT THE DIRECTIONAL
 MEASUREMENTS WERE
 CORRECT TO THE BEST
 OF MY KNOWLEDGE AND
 BELIEF, AND THAT THE
 SPECIFICATIONS AS STATED
 ON THIS PLAN WERE
 FULLY COMPLIED WITH.



MARK PATTERSON, PLS





- LIGHTING ROD
170'-0"± AGL
- PROPOSED ANTENNAS
160'-0"± AGL
- PROPOSED ANTENNAS
145'-0"± AGL
- PROPOSED ANTENNAS
130'-0"± AGL
- PROPOSED ANTENNAS
115'-0"± AGL

165'-0"

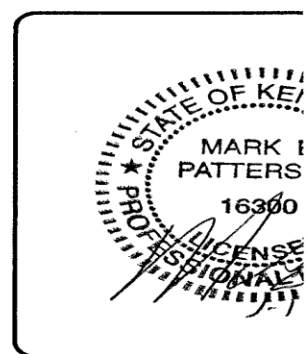
PROPOSED
165' MONOPOLE
TOWER

PROPOSED FENCE



1 SITE ELEVATION
NOT TO SCALE

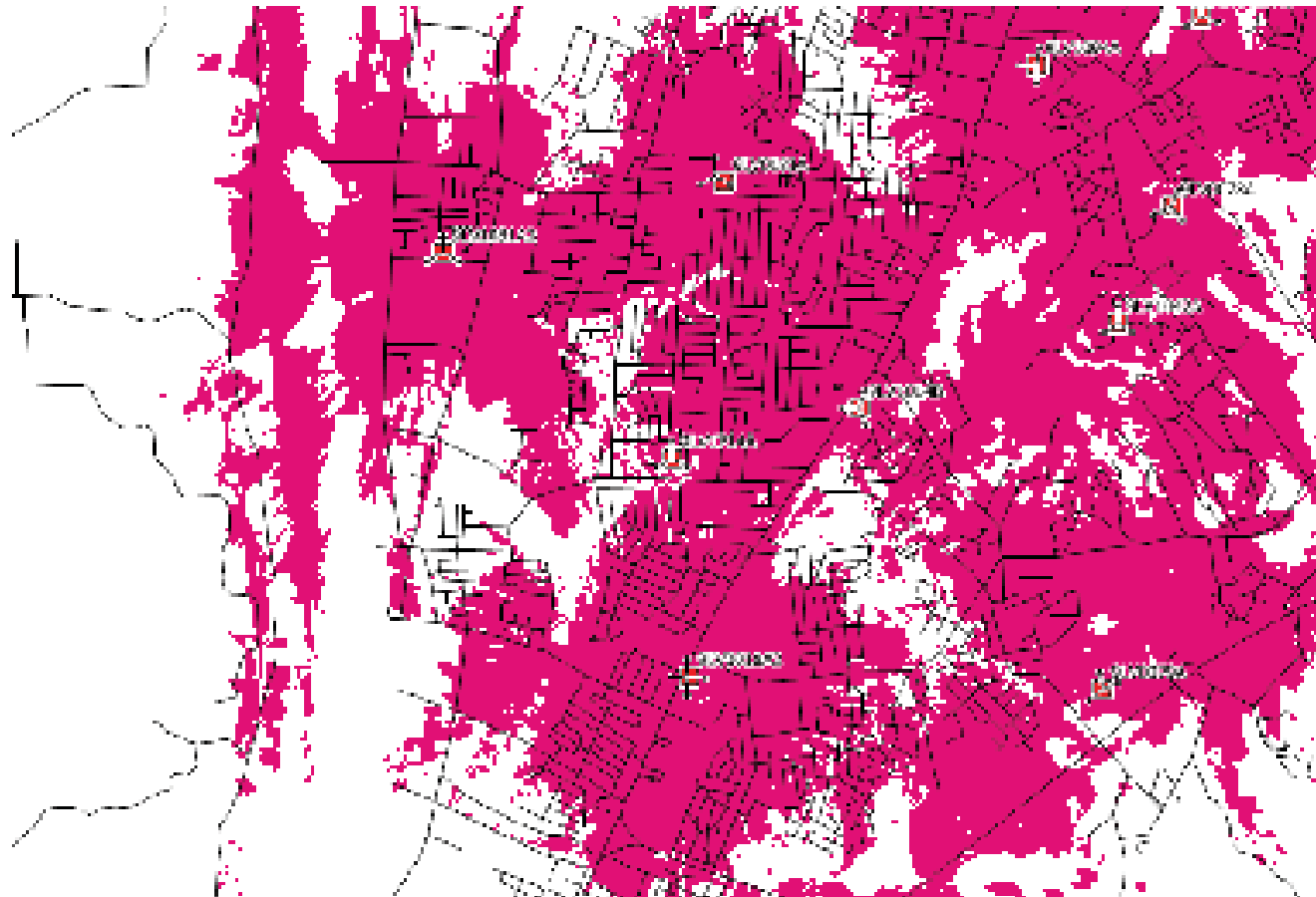
RECEIVED
JAN 24 2018
PLANNING &
DESIGN SERVICES



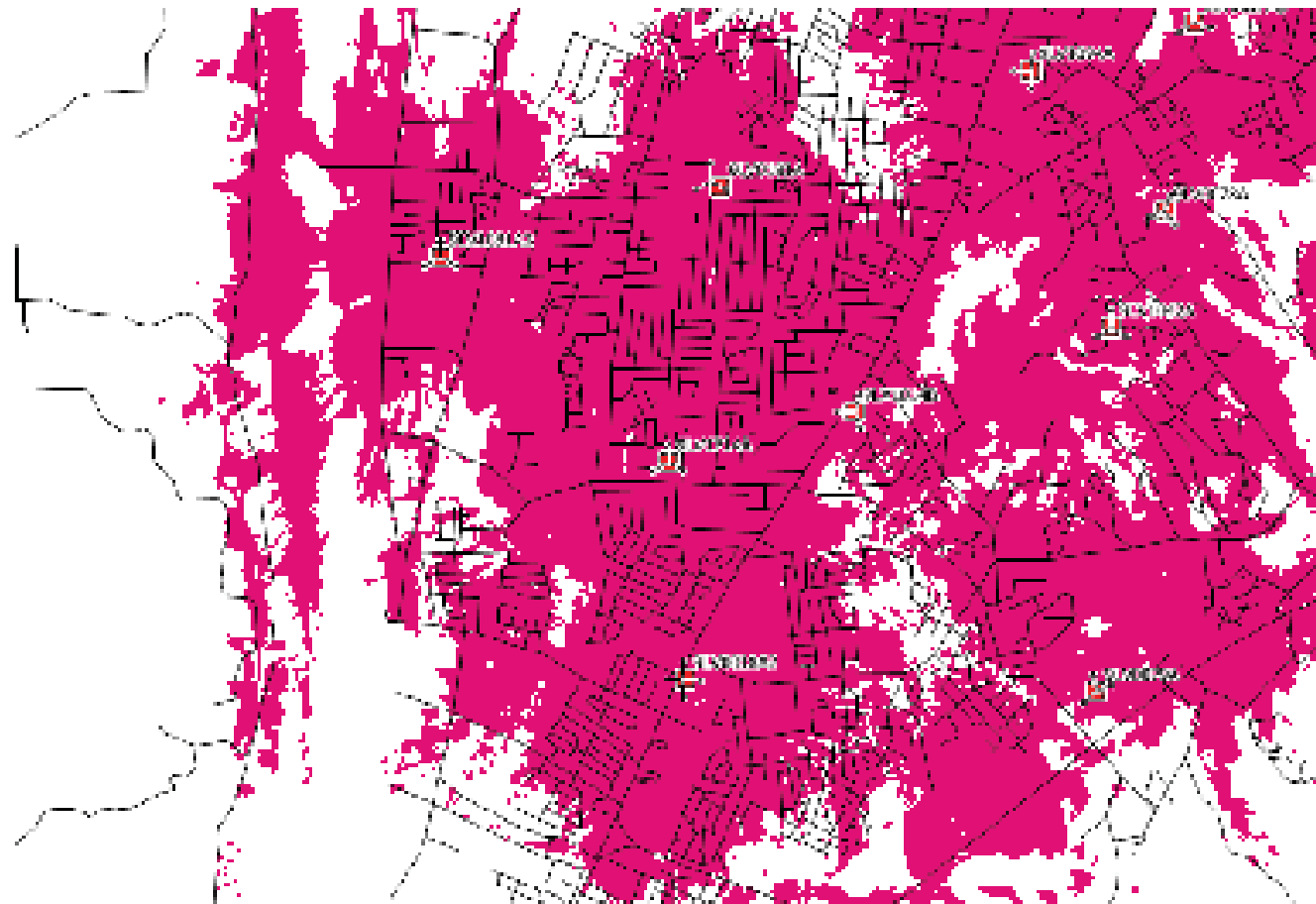


06/07

1714A – Before Coverage



714A – After Coverage













Staff Conclusion

- Located in a R-4, Residential Single Family Zoning District
- Neighborhood Form District
- Valley Station Neighborhood
- Approximately 100 feet from the nearest residence
- Neighbor's garage and existing trees will help screen/buffer the compound area and monopole.
- Staff's suggested location would screen the compound area from the eastern neighbors and would still be more than 300 feet from the neighbors to the west
- Have a total of 4 carriers
- No lighting
- Compound screened with 8 foot high wooden fence and landscaped with 34 trees
- 165 foot tower with a 5 foot lightning arrestor—170 feet total
- Waiver to reduce the landscape buffer area from 35 feet to 5 feet.

Required Actions

Approve or Deny:

Cell Tower: 165 feet, 5 foot arbor
Total Height –170 feet
4,225 square foot compound area

Waiver to reduce the landscape buffer area from
35 feet to 5 feet.