

Diamond Communications Site: MRK Trail
February 21, 2024
Alternative Candidate Analysis

Diamond Communications (“Diamond”) submits this document to address alternative candidates it considered during its site selection process on behalf of AT&T Wireless (“AT&T”). AT&T is seeking to improve coverage in the northern residential areas of Caledonia, as well as cover portions of Route 38. AT&T issued a 0.30 mile search ring for a new 160’ proposed antenna mounting center with the objective of providing the improving the coverage in the area.

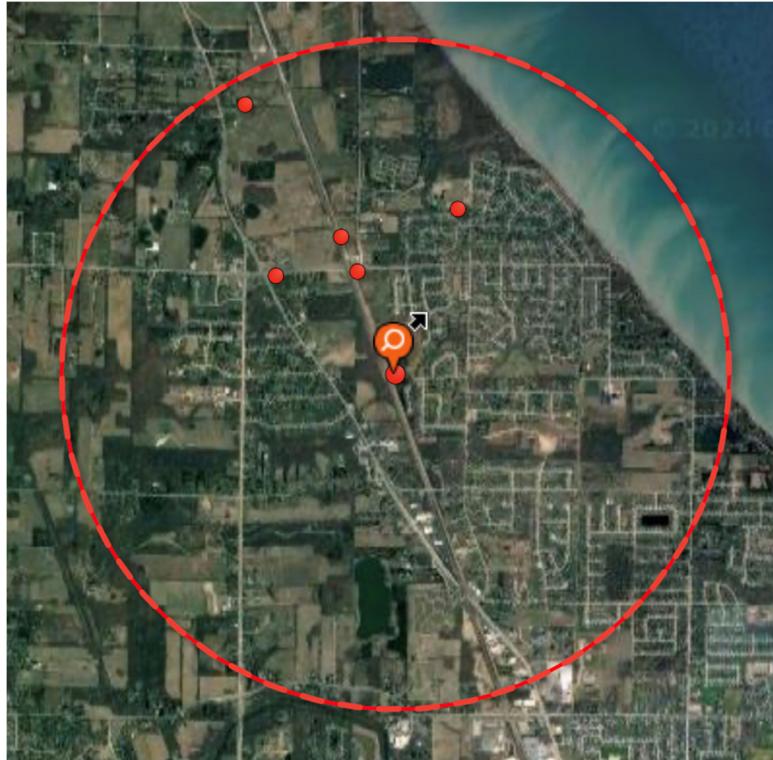
Existing Structures in the Search Ring

The search ring was designed around the residential areas using Middle Road as the center. Diamond was able to confirm that there were no other existing towers, nor other objects of 160’ in height within the specified search area, nor within a reasonable distance outside the search ring. There is a WEPCO powerline running alongside MRK Trail and the railroad, however, WEPCO is beginning to relocate carriers from the powerlines.



Existing Structures outside of the Search Ring

Diamond Towers then located the nearest existing tower locations as shown on the attached map in a one and a half (1.5) mile radius from the proposed tower location:



This map illustrates a one and one half (1.5) mile radius from the proposed tower in orange, and as shown on the map, there are four (4) existing locations within that radius:

COMPETING STRUCTURES (*1 MILE RADIUS FOR URBAN, 3 MILE FOR SUBURBAN, 5 MILE FOR RURAL)					
Competing Structure (Owner)	Type (Tower, RT etc)	Height	Carriers on Tower	Coords	Dist (mi), Dir
WEPCO	Transmission	134	1 - Verizon,	42.813772, -87.826176	0.5 NW
WEPCO	Transmission	140	1 - T-Mobile	42.815582, -87.827057	0.55 NW
TBD	Water Tank	150	1 - T-Mobile	42.81739, -87.816719	0.63 NE
AMT	Monopole	101	2 - AT&T,Verizon,	42.824167, -87.835556	1.18 NW

- The closest tower is the WEPCO installation located 0.5 miles NW, however this is too close to the American Tower (“AMT”) tower 1.18 mi NW, which has AT&T as an existing tenant on the tower.
- This also applies to the WEPCO installation 0.55 mi NW and the water tank 0.63 mi NE – they are also too close to the existing AT&T location on the American Tower site 1.18 mi NW.
- Any collocation on the existing towers would provide duplicate coverage and not fill the gap in coverage to South.

Raw Land Properties Considered

Diamond attempted to find any available location to lease, primarily in the commercial areas of the search ring. The only existing commercial properties near the search ring are too far West on Route 32. Diamond also researched the vacant land parcels to the East, however the property owners were not interested in leasing their land.

Conclusion

In conclusion, there are no existing towers or structures that can accommodate the applicant's proposed antenna. This document certifies that:

- No existing towers or structures of near 160' in height are located within the geographic search ring area or within a reasonable distance outside of it.
- The nearest existing tower or structure is 0.50 miles away, however it is too close to AT&T's existing location.
- AT&T is also located on the tower 1.18 mi to the Northwest, which places the other existing structures in its current coverage area.

Diamond Towers has leased property from a willing landlord whose property will be developed in accordance with municipal regulations.

I certify that the forgoing is true and correct:



Thomas Waniewski
Diamond Communications
SVP – Site Acquisition