



## Cabarrus County Government

Cabarrus County Planning and Zoning Commission  
Tuesday, December 12<sup>th</sup>, 2023 @ 6:30 p.m.  
Board of Commissioners Meeting Room  
Cabarrus County Governmental Center

### Agenda

1. Roll Call
2. Approval of November 14th, 2023, PZ Meeting Minutes
3. New Business Board of Adjustment Function:
  - SUSE2023-00028 – Request for Public Service Facility (Radar Tower). Applicant is WSOC-TV and owner is Joseph Fountain III. Address is 9599 John White Road Midland, NC (PIN: 5546-43-6394).
4. Legal Update
5. Director's Report
6. Adjourn



## Cabarrus County Government – Planning and Development

### Planning and Zoning Commission Minutes December 12th, 2023

Ms. Holly Edwards, Chair, called the meeting to order at 6:35 p.m. Members present, in addition to the Chair, were Mr. Charles Paxton, Mr. Chris Pinto, Mr. Brent Rockett, Mr. Stephen Wise, Mr. David Hudspeth, Ms. Ingrid Nurse, and Mr. Mohammad Idlibi. Attending from the Planning and Zoning Department were, Ms. Sandy Howell, Planner, Ms. Susie Morris, Planning Director, Mr. Wayne Krimminger, Senior Zoning Enforcement Officer, Ms. Kendall Bolton, Clerk to the Commission, and Mr. Richard Koch, County Attorney. Mr. Andrew Nance and Mr. Adam Dagenhart were absent from the meeting.

#### **Roll Call**

Ms. Kendall Bolton, Clerk to the Commission, called the roll.

#### **Approval of Minutes**

The Chair asked if there were any corrections or additions to the minutes for the November 14<sup>th</sup>, 2023, Planning and Zoning Commission Meeting.

There being no corrections or additions to the minutes, Ms. Ingrid Nurse **MOTIONED**, **SECOND** by Mr. Charles Paxton to **APPROVE** the November 14<sup>th</sup>, 2023, meeting minutes. The vote was unanimous.

The Chair said, for the audience and the Board tonight, I am going to read the suggested Rules of Procedure.

1. The Cabarrus County planning staff person(s) shall first present the staff report and answer questions from the Commission. There will be no time limit on this presentation.
2. The Applicant may make a presentation to the Board (optional) and will then answer questions from the Commission. There will be a 15-minute time limit on the presentation if the Applicant chooses to make a formal presentation. There will be no time limit on questions from the Board following the presentation.
3. When the Board is ready to proceed, the proponents (those speaking generally in favor of the case) will have a total of 15 minutes to speak and/or present documents in support of their position. The 15-minute time limit does not include questions directed to the proponents by the Commission.
4. After the proponents finish, the opponents (those speaking generally against the case) will have a total of 15 minutes to speak and/or present documents in support of their position. The 15-minute time limit does not include questions directed to the opponents by the Commission.

5. Each side will then have 3 minutes for rebuttal, with the proponents going first. Again, questions directed to the speaker will not count against the time limit. This will conclude the public hearing portion of the meeting and the Commission will proceed to deliberation.
6. Each side is strongly encouraged to use a spokesperson to present the positions commonly held by each. Each side is also strongly encouraged to organize their speakers and presentations to ensure that all persons wanting to speak will have time to do so.
7. If a speaker has questions of a person on the other side, such questions shall be addressed to the Commission members to be redirected to the person to be asked. There will be no direct questioning of one speaker by another except through the Commission.
8. Public demonstrations of support for a speaker's comments should be limited to clapping. Any other type of audible support shall be out of order and subject the offender to being removed from the building. Anyone speaking out of order shall likewise be subject to removal.
9. These rules are designed to have a full and fair hearing that is orderly and expeditious and avoid unnecessarily repetitious presentations.

Mr. Brent Rocket **MOTIONED, SECONDED** by Ms. Ingrid Nurse to **ADOPT** the Rules of Procedures. The vote was unanimous.

The Chair said, I would like to remind those in the audience, if there is anyone here that has not filled out a blue card that wishes to speak either for or against, please do so. We will give you a couple of minutes in case anyone has changed their mind.

The Chair said, those who are going to speak, please stand and raise your right hand.

Ms. Morris said, if you think you are going to speak this evening, whether it is for or against, you need to be sworn in as well as fill out a blue card. This is a Board of Adjustment matter. It is like quasi-court. You will have to be sworn in to be able to address the Board or testify.

### **Oath**

The Oath was administered to the audience by the Chair.

### **New Business Board of Adjustment Function:**

The Chair introduced SUSE2023-00028 – Request for Public Service Facility (Radar Tower). Applicant is WSOC-TV and owner is Joseph Fountain III. Address is 9599 John White Road Midland, NC (PIN: 5546-43-6394).

The Chair asked the Board if anyone had any conflicts or information that needed to be disclosed related to the case. Hearing none, the Chair called on Ms. Howell to present the staff report.

Ms. Howell said, good evening, Board, Applicants and Citizens. The request today is to propose a one-hundred-and-forty-foot weather radar tower as a Public Service Facility. The tower is 120 feet tall with a 20-foot radome on the top.

The property is currently zoned Countryside Residential. Public Service Facilities are permitted in the CR district with the issuance of a Special Use Permit.

The neighborhood meeting was held in January of this year. The letter and responses are in Exhibit J of the packet. The meeting information sign was posted on November 22nd, 2023. The newspaper notifications were published on November 29<sup>th</sup> and December 6<sup>th</sup>. Adjacent property owner letters were mailed on November 21<sup>st</sup>. The letters are in Exhibit K of the packet. The current site is 10.08 acres, and the property is located off John White Road in Midland. Currently, a single-wide manufactured home along with residential and agricultural accessory buildings occupy the property.

The access area will use an existing driveway. That combined with the tower compound will utilize approximately .62 acres. The greenhouses visible on the aerial view map where the tower position is proposed, have been removed. The surrounding property uses are residential, agricultural, or vacant. The classification of this tower was placed under public service facility due to the tower being strictly operated for public service purposes. No additional commercial equipment, including wireless carrier equipment, will be added. The submitted plans and paperwork followed all the requirements in Chapter 8, Section 3-17.

Due to the nature and construction of the use, the Planning Department along with the County legal team, considered this application to be a hybrid between public service facility and wireless telecommunication services which led to additional requirements from Chapter 8, Section 3-34. Those requirements are as follows: The fall zone is depicted on the plans (showing map and images) and reflects the overall tower height plus 50 feet. The lease for the property and easement for the fall zone is provided. Access to the site will be subject to, and in accordance with the North Carolina Fire Code. Typicals of signs for the site including safety. Emergency plans are provided. The FCC approval documents are provided. Service area maps are provided. Megahertz data was submitted and reviewed by Motorola for the Cabarrus County Sheriff's Office for potential conflicts.

A site plan depicting all the requirements was submitted for review in August 2023. In addition, example photos were also submitted (showing map and images). The picture is a reference, and the plans show how it will be built. The tower was disassembled from a previous location. Once approved, it will be rebuilt on the proposed site. FCC approval was procured to move the tower to the new site. An extension has also been submitted due to construction delays.

Should the Board of Adjustment grant approval of the Special Use Permit, Staff requests the following conditions become part of the approval and case record:

1. Site plan review and approval is required subsequent to Board of Adjustment approval in order to ensure compliance with all applicable development requirements and conditions.

2. The Granting Order, stating restrictions and applicable conditions of approval shall be recorded with the deed for the property and prior to zoning permitting.
3. The applicant shall procure any and all applicable federal, state, and local permits prior to zoning permitting.
4. Any proposed future expansion of property, as well as modifications or changes to approved site plan, must receive Board of Adjustment approval in the form of an amendment to the Special Use Permit.
5. The applicant shall provide copies of all state, local, and federal permits for the permanent project file prior to zoning permitting.

The following conditions of approval must be met from the Cabarrus County Fire Marshal's Office:

1. The drive and turnaround will need to be 20 feet in width of an all-weather drivable surface capable of supporting a 75,000 lb. apparatus for the entire length of the access road. Vertical clearance for the drive must be 13 feet 6 inches.
2. A Knox Lock is required on the gate accessing the tower. Knox locks should be keyed to the Flowes Store Fire Department.
3. Inspection required annually per NC Fire Code. Tank permit required for the generator.
4. At least one fire extinguisher in/on the equipment room for both equipment in the equipment room and the generator.
5. Submittal of a construction safety plan and safety coordinator required prior to zoning permitting.

In addition,

1. The fall zone easement shall be recorded prior to zoning permitting. Applicant must meet all conditions outlined in the FCC Radio Station Authorization.
2. Should any interference arise with the public safety radio system, applicant agrees to work with Cabarrus County Sheriff's Office to mitigate it.

Representatives from WSOC are present to answer any questions the Board may have. Do you have any questions for Staff?

The Chair asked if anyone had any questions for Staff. Hearing none, the Chair thanked Ms. Howell and called on the Applicant to present. Please state your name and address for the record.

Mr. Ted Hand, 235 West 23<sup>rd</sup> Street, Charlotte, NC 28206. Good evening, ladies, and gentlemen. Thank you for letting me speak before you tonight. I am the director of Engineering and operations for Cox Media Group Charlotte, which is the licensee of WSOC, WAXN and Telemundo Charlotte. Staff has already given you most of the information I was going to go over. I will answer a few questions that may come up. I do want to make one correction. It was mentioned the tower at the old location was taken down and will be reassembled at the new location. That is not so, it will be a new construction tower. The tower that was there was used

by the National Weather Service at another location when WSOC purchased it in 1999 and put it up. So that tower has already been put up and taken down and put up again. We didn't want to put it up for a third time. It is slightly higher than what it was at the old location.

The reason we are asking to do this is this tower at its old location 12705 Albemarle Road in Mecklenburg County at what was a farm that had cows and horses. It sat there for 23 or 24 years. The owner of the land passed away and the sons took it over and made a housing development out of it, which is Crest Wind housing development that you can see on 24 as you are driving out from 485. They built houses around that area but left the two towers there due to the leases. There was our tower and a cellular tower by Verizon. Those leases ran out at the end of October. Those towers are now gone. Verizon's lease also ran out. They took that land over. It was a farm when it was done now it is surrounded by housing. They tore the towers down and are now going to put 4 or 5 houses in place of them. Staff said that the tower is 120 feet, with a 20-foot fiberglass radome on top of it, which encloses a parabola antenna that spins around. There are no lights on this tower. FCC and FAA rules that anything less than 199 feet does not need lights unless it is within 3 miles of a FAA registered airport. There is a formula for the lights. There are no strobe lights, no red lights, nothing on this tower that would show up at night.

As far as the frequency on this, we had to coordinate this frequency with the FAA because we had to protect the TDWR which is the weather radar at the Charlotte Douglas International Airport. That process was a long one, it took around 3 months to find a frequency that we could use. It is in the plan that we cannot not change the frequency. Believe me we cannot change frequencies. The frequency that the FAA and FCC approved is the only one we can be on.

For powerlines and all, we are doing weather, we want to look into the sky. We do not want to look at the ground, pointing at the ground does not do us any good. It does not show us anything. As this goes around, we will be looking into the sky to make it work. At the site that it was at for 24 years, there was never any history of anything to deal with the horses, cows, or anyone living in that area.

The vendor, in case you would like to know, is Baron Weather in Huntsville, Alabama. This radar is the same one that is used by the National Weather Service. They have over 250 of these radars all over the country. I guess that is it, let me know if you have any questions. I did not have anything fancy, I knew Staff would cover it all.

The Chair said, thank you. Board members, do you have any comments or questions?

Mr. Paxton asked, could there be a detriment due to not having lights on the tower? In case somebody wants to run into it some kind of way, is that possible to add those?

Mr. Hand said, if Zoning wants me to put a light on it, I will be happy to put a light on it. It is not required though under the FCC and FAA law. We don't plan to put a big advertisement or a big logo on it because nobody will see it. I know a lot of radars when you go down South, those radars on the side of the interstate, they want to put their logo and all on it. When I worked at WRAL in Raleigh, we put a big logo on that one when I put that one up. We won't put a logo or light on it because nobody can see it because it is so far back from the road. Believe me if you want a light on it, we will put a light on it, but we are not required to do so.

Mr. Paxton said, I was just wondering for safety if that was something that could be done, or something Zoning required.

Mr. Hand said, we are trying to be good neighbors and not make any kind of light or whatever that would disturb the neighbors. We do not want any flashing or any strobes or whatever we feel that is a negative thing. So, we are just trying to be good neighbors and not put anything that blinks or flashes on it.

Mr. Pinto said, I am happy that it is a new tower as opposed to an old redo tower because that was going to be my question about the engineering of it.

Mr. Hand said, that was a miscommunication, it is a brand-new tower. It is sitting in a yard in Alabama right now waiting to have something done to it. It is a new tower; the old tower was taken down. Part of our agreement with Crest Wind was to cut it up and scrap the old one. That tower is long gone.

Intermission for audio issues.

The Chair asked if there were any other comments or questions for the applicant. There being none the Chair opened the public hearing.

The Chair said, before I call on someone to speak, I have a blue card from Mr. Charles Wolf. Mr. Wolf will you be speaking for or against?

Mr. Wolf said, against.

The Chair said, thank you.

The Chair called on Mr. Steve Udelson, Mr. Udelson, please state your name and address for the record.

Mr. Steve Udelson, 109 Turtleback Ridge, Weddington, NC. It is interesting that it is being called a public service facility because that is exactly how we approach this. This is for the public. This is filling in a radar gap that is very well known throughout the country. The

Charlotte area is the largest city that does not have a National Weather Service radar within 75 miles of it. It is basically a disaster waiting to happen, the government knows this. I flew up to Washington D.C. met with the head of the National Weather Service in 2001. I was promised when the next weather service radar comes out, which in 2001 it was supposed to be in about 2010, we would get one. We are still waiting for that technology; it is still at least 5 to 10 years out. Our company decided to take it upon itself to provide this kind of radar coverage to the people in and around Charlotte. It is vital information; it is information that keeps people safe.

Understand that severe weather occurs in the lowest layers of the atmosphere. The National Weather Service office is responsible for our area, based in Greer, South Carolina. They literally cannot see any severe weather from their radar in our area due to the curvature of the earth. The beam from Greer that reaches Concord is about 7,000 feet up. Most of the severe weather is below that. Our radar fills that gap. We have a radar in town, Concord is about 600 to 800 feet in altitude. That is the beam that goes around that Ted talked about. That is how we can see the severe weather, that is how we can help out. That is why this is such an important project, for everyone. Do you have any questions?

The Chair said, there will be no questions at this time. Thank you, Mr. Udelson.

The Chair called upon Dale Thompson to address the Board. Please state your name and address for the record.

Mr. Dale Thompson, 24968 Strand Drive, Albemarle NC, 28001. Good evening, I am a retired electrical engineer. I want to thank the Planning and Zoning Commission for this opportunity to appear before you. Residents near the proposed location have asked me to be their spokesperson. When using words such as, we, our, and us, I am referring to the thoughts and feelings of the residents of nearby properties. Typical comments received are this would be an eye sore. People in our neighborhood, not just adjacent landowners, are just learning about this. While WSOC has been working with our location for much longer. We have enough radiation in the area, and we do not need any more.

Many residents nearby have questioned this tower. This here is a petition with 51 signatures (showing Board petition document) that we sent around but cannot submit because the nature of the hearing. People are concerned about appearance and safety. Regarding appearance, common sense says such an object nearby will have an intrusive visual effect. Residents live and have moved here for its rural and countryside residential nature. Many residences do not abut the tower property but are in the line of sight in a major way. They object to the tower. At least two who do abut are objecting to it. It will be 140 feet tall, I guess. The information has different heights, according to what the county presented tonight as well as Mr. Hand, it will be 140 feet tall, with a large ball at the top enclosing a rotating radar antenna. It would be an imposing presence above the treetops. Prospective buyers of the properties would perceive this as a detriment, an eye sore, and will be difficult to sell. What can WSOC do to mitigate this?

Secondly regarding safety, this is a high energy, rotating, pulsating, source of electromagnetic radiation that bounces back signals for weather monitoring and reporting. This is all is very important for the public at large. We have had a good explanation about how this is a necessary radar to supplement the other weather service radar towers that are around. Electromagnetic radiation like this can be deemed hazardous to humans. Can WSOC provide documentation that most people can understand to show they are not harming us? There are discrepancies, such as tower height, like I mentioned before, with the information made available to us. There are other discrepancies, and I would be happy to go into those.

I have a letter here, a heartfelt plea by a local resident to submit. She is right across from this tower. As I said, our concerns are appearance and safety, we feel this equipment does not belong here. We have suggestions for WSOC for other locations. With this being a Special Use Permit, if WSOC really wants it to be here, they should submit with their proposal improvements plus design characteristics that they can provide to minimize visual intrusiveness. We also have suggestions for those items. Again, thank you Planning Commission of Cabarrus County for this opportunity. I will be happy to answer any questions.

The Chair said, thank you. There will be no questions at this time. The Chair then called upon DeDe Dickason. Please state your name and address for the record.

Ms. DeDe Dickason, 3105 Cal Bost Road, Midland, NC 28167. Ms. Dickason said, I am the adjoining neighbor. I did not plan to speak tonight so please forgive me. There are several things I have dealt with since I received notification last January. As we were talking and saying that no one can see it, I would be one of the neighbors that can see it. Therefore, some people will see it. I would prefer if they would not put lights on it, that was something that I asked early last January. As far as good neighbors, all of you have neighbors. Good neighbors talk to each other and know what is going on. I did in fact talk to Joe Fountain after receiving the letter from WSOC. I did send back a reply back to Mr. Hand in January, January the 24<sup>th</sup>, I am sorry January 22<sup>nd</sup>. I do not recall receiving a reply to that, so I thought this whole thing had died down. This is not good communication with an adjoining neighbor. There was a Zoning sign that was put down on John White Road. That is not a place I travel; I travel from the other country road and the adjoining. Unfortunately, I would have not known about that sign had a neighbor not told me there is a Zoning notice down there. Again, communication.

I really feel that we did not get a reply. My email that I sent off on January 22<sup>nd</sup> to Mr. Hand, I do not recall a reply to it. I said very early in it “no, we do not want your tower in our back yard, especially since we cannot get your station” that being dish network and the weather. I cannot even get your weather, but I am getting your weather tower.

The neighborhood meeting that I heard talked about, I know nothing about. Adjoining lots to these properties received certified mail. The people that drive by Mr. Fountain’s driveway happen to see the Zoning notice. This is a big open area; majority of neighbors are not real

thrilled about this. I heard there was a balloon flown over the sight so we could see exactly where it would be and where we would view it. I do not believe that I received any notification. My next-door neighbor said he actually did. So therefore, I guess the neighbors that were actually okay with it, that is one I know of, he would not be able to see it from his location. If he is okay with it, then that is great. I guess they only picked the people that were okay with it to show things like the balloon flying where it would be. I would be pretty sure that we would be able to see it based on directionally, it would basically be in that hole of that sunset from my yard (Showing Board image of property).

I think there needs to be better communication all the way around. Between Zoning, the people who are wanting the tower, and the neighbor that is wanting to receive funding from having the tower on his property. My neighbors have asked me before, we don't want hogs there because if they go down stream to our horses, they could hurt our horses. Therefore, we did not get hogs. It is called being a good neighbor.

I think more and more, if a neighbor is doing this, if he is making money off it, that we should have had a say. Early on I should have received replies to my email. I should have been invited to a neighborhood meeting. Everything that has been spoken of here tonight, I got one notice, one notice back in January when I thought it had died down. I really appreciate you letting all of us have a chance to speak to you tonight. Are there any questions?

The Chair said, there are no questions at this time.

Ms. Morris said, Ma'am, before you leave can you show the Board where you live on the map?

Ms. Dickason said yes, (pointing to map on screen). This is the 10 acres that I believe is Joe's and this is the 10 acres that is ours. We are close enough that you could walk to our property if you wanted to. I did call and speak to Joe. I gave him a call after seeing his name on a document in January. We had a good little talk. I thought it had died down. Here we are a year later, and we are hearing about this for the first time from the Zoning Commission.

The Chair said, thank you Ms. Dickason. The Chair called upon Mr. Charles Wolf. Please state your name and address for the record.

Mr. Charles Wolf, 9539 John White Road, Midland, NC 28107. Mr. Wolf said, we are about 500 feet from the tower, as the crow flies. We have lived at this place for about 18 years. One of the reasons that we moved there was because it had a beautiful pastoral setting next to the house that we liked the looks of. That was built by John White back when.

My concerns are to echo basically what some of the others have been saying. For instance, the ugliness of the tower, the possible effects on our property value because of that ugliness, which somebody might find even uglier than we do, and not want to buy it or want to reduce the price

they would give us for our property; the potential danger of radiation from it which we don't really know but suspect it could be because of other experts that have talked on that. Continuing on, the towers interference possibly with my TV stations, Mr. Udelson, because we have an antenna on the roof unlike most of you that have some kind of cable. I don't know that it would interfere, but it might, we can get channel 9 by the way better than any of the others. I am not sure if it would interfere with any of the other stations more.

Also, finally, my concerns are that the neighbors next door to me also are concerned about it because they would be more impacted by it than we are. I could probably see it, but I am not sure except to go to the end of my property and look out over the field, but I probably could. It depends on whether these trees between us and them now would be cut down. Thank you for listening to my ideas, any questions?

The Chair said, thank you Mr. Wolf.

At this time Board we will start the discussion, do you have any questions for Staff? There were no questions for Staff.

Mr. Hudspeth said, I do have a question for Mr. Hand.

The Chair called upon Mr. Hand to return to the podium.

Mr. Hudspeth said, I understand that this antenna goes in circles, around and around.

Mr. Hand said, yes.

Mr. Hudspeth said, how low will that beam be when it comes over Midland and Concord? When it sweeps will that RF energy be low enough?

Mr. Hand said, the tower is 120 feet, the top is 140 feet, and the center of the antenna is 130 feet. So, if you are standing by the tower the radiation is at 130 feet above you. The further you go away by the curvature of the earth, that will go up. Mr. Udelson, I think, could give you a better answer to that of how far it is. The further you get away the higher it will be above the ground.

Mr. Hudspeth said, is that a beam or?

Mr. Hand said, it is a beam. The beam that comes out of the dish has a one-degree beam width. It is not like a flood light, it's more like a spotlight. As it comes out, you can go 2 or 3 miles away and the pattern is only going to be 300 or 400 feet wide. I can give you all a chart of exactly what it does if that is what you want. It doesn't flash out.

Mr. Hudspeth said, I was more concerned about vertically. Does it impact the earth? Does it impact the neighbors? Will that beam impact neighborhoods?

Mr. Hand said, no. The beam will go over their heads. Unless they have some kind of structure that's 100 feet high. We want to see clouds and weather, pointing this down does us no good. We want to be up in the sky looking for information.

Mr. Hudspeth said, that is all I have, thank you.

Mr. Paxton said, so there is no radiation issue?

Mr. Hand said, no. Not at ground level.

The Chair asked the Board if they had any other questions or comments for Mr. Hand.

Ms. Nurse said, my concern is how safe this is for the community. I guess that is what everyone is saying, like radiation, how safe is this for the community overall.

Mr. Hand said, where the tower was at, it was in a farm area for horses and cows. There was a house further along down the road from it. In twenty some years, there was never any incident that anything happened to any of these cows or horses. These radars sit all over the country. If you ever go to Morehead or Newport there is a radar there off the side right by the highway, there are houses all around. That tower is far more powerful than the one we are putting up.

These are all over the country, I understand the concern. I am not trying to minimize that. We need to look at a point where we can see clouds and precipitation. If we have a pattern that is only so wide, we cannot get any data from that. We need to be able to shoot a beam, have it hit that cloud and bounce back to us so we can see it as we go around. We want that beam to be as small and narrow as we can make it.

Mr. Wise asked, how many miles does this cover for WSOC? I mean how far can you all look into the clouds from this central point?

Mr. Hand said, (Staff pulled exhibit for Mr. Hand to show Board). This is the actual pattern; the edge of that disc is up around Boone. You can see Morganton over on the left there. That is a true circle there, in reality it is not going to be that far up to the North-West because it hits the mountains, and it will come back.

The question didn't come up, but I will say this anyway, where the radar was, we are actually 30 feet higher than where we were. That was because we paid to do the scan and we weren't getting any data from the mountain areas. That is why the antenna is actually higher so as it goes around the curvature of the earth we can actually see over the mountains. The circle is true going back

toward the South, the East, and North- East. Those are all true patterns. It is hard for me to read the cities on this diagram, but it covers about 100 to 120 miles on flat land.

Mr. Hudspeth asked, what is the power output?

Mr. Hand said, the transmitter uses a klystron tube, the actual tube puts out about 300 watts. It actually goes up the tower and is magnified what we use a term called effective radiated power, not actual power. It is indirect because it is being focused into the antenna, like a mirror. You can take a candle and it doesn't look very bright but if you hold it with a big mirror then the candle looks brighter. To answer your question, the effective radiated power is around 900,000 to one million. Again, that sounds like a scary number, but I don't want to lie to you and tell you a number that is not true. It's a beam of power that goes like this (showing Board hand gesture) and not in a wide area.

Mr. Hudspeth said, I assume it has a magnetron? Is that the output of the magnetron?

Mr. Hand said, it's actually klystron.

Mr. Hudspeth said, sorry klystron. Is that 300?

Mr. Hand said, 300 to 350. It varies.

Mr. Hudspeth said, so if a bird flies in front of this thing, I guess he gets fried?

Mr. Hand said, it is probably not a good day for him. In all reality, I can tell you if a bird is flying from me to you in front of it, I do not think it will kill it. The bird will probably feel it when it flies by.

Mr. Hudspeth said, it would cook him if he stayed there long enough. That's all I have, thank you.

Mr. Rockett said, obviously this is specifically for Cox Media and WSOC TV. Will other stations and or entities have data coming from this tower or will it be exclusively for WSOC?

Mr. Hand said, the way that it works is our vendors, Barons Weather Systems out of Huntsville, the data coming off the radar actually belongs to Barons. Therefore, it is available to any station in the country that wants it.

Mr. Rockett said, they just purchase it or lease it?

Mr. Hand said, the National Weather Service has access to this through Barons. The data is not exclusively for WSOC.

Mr. Hudspeth asked, does this help with detecting tornados?

Mr. Hand said, yes. Very much so. This radar is known as a dual pole radar. It sends out both a vertical beam and a horizontal beam. I can have Mr. Udelson come up and explain to you in more detail of that than I can tell you. Because of that, we can actually see rain drops. You cannot detect wind; the radar cannot detect wind with a tornado. What you detect is the rain inside of the wind in the tornado. I can send out a beam and it hits that raindrop then that raindrop comes back to me. We can see information coming to the radar and we can see information that is going away from the radar. We know where those two points meet and hook, therefore that is where the tornado is.

Mr. Hudspeth said, thank you.

Mr. Rockett said, this particular area that you have chosen, other than it being available by lease, did you seek out other property in this particular area? Were you looking in a specific radius?

Mr. Hand said, this was the 4<sup>th</sup> place that we tried to look at. There were various reasons for what it was, mostly there were too many buildings around. I understand the concern that was been spoken here of “well we live out here in this nice community” and “it’s beautiful” I understand all of that. We are looking for an area that is flat with no trees. I know it’s not good there, but it is better for the radar. You do not see radars in mostly downtown areas where there is a lot of buildings or a lot of trees.

Mr. Idlibi said, thank you Mr. Hand for your time. Can you describe if this doesn’t get approved what information you would be lacking? Can you describe what that would mean?

Mr. Hand said, we would have no radar data. We would then have to depend on the National Weather Service data, which is the shared data that the National Weather Service receives from Greer. Our data from RDU, so assume that this here is Concord (showing Board) you have a radar from Raleigh, and you have a radar from Greer, you are in this hole in the middle. You will not get as detailed coverage from major storms or whatever. As Mr. Udelson had said, we are in a major hole here and have been for years. To answer your question, it is a hole here that we get the same data that everyone else has got or whatever the National Weather Service gives us.

The Chair asked, can you describe what the landscape buffer would look like? It sounds like there were some neighbors that may not have participated, and I am sure you shared those details at those meetings.

Mr. Hand said, the area that we have worked out with Mr. Fountain is a 65 x 65-foot square with a fenced in 55 x 55-foot area inside (showing diagram to Board). We will also put shrubs up as high as the fence. That will cover the building and the generator, of course it will not cover the tower. If we need to, we will actually put the green fabric inside the chain link. We are willing to

do whatever landscaping Staff needs us to do. There is a 5-foot barrier around, that is how we get the 55 to 65.

The Chair asked, is there any type of audible noise that is projected from the tower?

Mr. Hand said, no.

The Chair said, okay, thank you.

Mr. Idlibi said, you said whatever is needed for the landscape buffer, you have seen the cellphone towers that almost look like trees. Would that be something you would be willing to do to try to mitigate the look of this tower?

Mr. Hand said, to be honest, the tower has a 20-foot face. In reality, you would be looking at a tree that has a 20-foot trunk. It is doable, but it is not realistic.

The Chair asked if there were any other questions or comments.

The Chair said, I do have one statement. I am sure you have acknowledged the conditions by the Fire Marshal's office. You have those in place?

Mr. Hand said, yes, I have the driveway, Knox box, and the fire extinguisher.

The Chair said, the vertical drive clearance, all of the acknowledgments?

Mr. Hand said, yes, that is an open thing. Mr. Fountain drives all of his landscaping equipment in there. If it doesn't meet it, we will certainly meet it.

The Chair said, okay. Thank you, Mr. Hand. The Chair asked the Board if there was anything else? There being none, the Chair closed the public hearing.

The Chair said, at this time I am going to open up the discussion for the Board. Would anyone like to make a statement either for or against?

Mr. Paxton said, in my mind at the end of the day, I know any progress has certain drawbacks to certain people. I believe in my heart of hearts this is in the public interest. Therefore, it is a good thing, for that reason I can support a motion to approve.

The Chair said, would you be willing to give us some statements to support that motion?

Mr. Paxton said, due to the need of a new weather station in this area. I am sorry, a tower. I can support that because it is in the public interest.

Mr. Rockett said, clearly in terms of the best interest of the public here, the gap that exists between the existing radars, certainly there is value to this tower being in this location. It does fill a need. Many of us in this community have family and friends throughout this area that are not well served currently. I think we understand the benefit of that. We totally understand and respect that desire not to have a 140-foot tower within sight of your property. Again, I understand, respect, and appreciate those comments. I will say, it is in the public interest to fill that gap with a radar that is powerful enough to give us the data and information that is necessary to keep people safe. That is ultimately the deal here.

I have heard the comments about potentially lowered home values. I didn't hear any of that from an expert which makes it very difficult to take any of that with any great deal of seriousness. That is not meant as an insult in any way whatsoever, but without an expert to speak to that very point, it makes it very difficult to take that as truth. With that, I do believe it is in the public's best interest and will do a lot of good in the surrounding areas.

The Chair said, would you like to put that in the form of a motion?

Mr. Rockett said, is there anyone to speak against before we make a motion?

Ms. Nurse said, I am sorry, I am in between. My concerns are always about health and eye sores, but we are in need of this service, so I guess I am for this tower.

The Chair asked if anyone would like to make a motion.

Mr. Rockett said, I would like to call on Mr. Rich Koch to see if he would be willing to summarize what I said about the public's best interest.

Mr. Koch said, I really do not have that much to add to what Mr. Rockett had to say. I am glad he did point out the evidence. If you do not have expert evidence about property values, you really cannot consider that. As you know, you are all sitting as a collective amount of Judges so you can only consider what is substantial material and competent evidence that would come into a court room. Unless you have expert opinions that are rendered on certain things, then it cannot come in. The gentleman that had the surveyor that he mentioned, he apparently realized that because the petition he had would not be able to come in under the rules of evidence. When you get into specific matters that most people don't know, you pretty much need expert opinion on it. Property values are one of the ones that always comes up in these types of hearings. Unless you have someone with their expert knowledge that can testify that it would for sure impact property values, it cannot be considered. Beyond that, I am not sure I can add anything other than what has been said about the public probable need for this tower.

The Chair asked if anyone had any comments or questions for Mr. Koch.

Mr. Rockett said, I would like to make a motion to approve this request as presented, based on it being in the public's best interest in terms of the gap that presently exists in weather data in our immediate area. The fact that this particular weather device will assist greatly in collecting that data and keeping people safe in our community. That motion would include all listed conditions in the staff report.

Mr. Brent Rockett **MOTIONED, SECONDED** by Mr. Chris Pinto to **APPROVE** the Public Service Facility (Radar Tower). Vote was unanimous.

#### **Legal update**

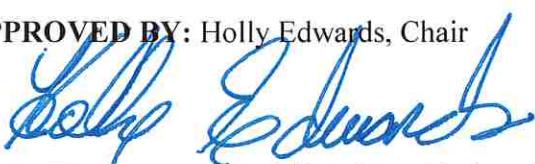
Mr. Koch said, I have no immediate business.

#### **Director's report**

Ms. Morris said, I wanted to apologize for the mishap with the mics this evening. I also wanted to let you all know that I think we may have found someone who is willing to sit on the Board that lives in Midland. Stay tuned on that. There should be some trainings coming up from the School of Government. If we do not see anything in the next couple of months, we will probably start to do some in-house training just as refreshers for everyone on procedures, what the Board of Adjustments looks like, what you can talk about and what you cannot. We haven't done that in a while. That is all I have, thank you.

There being no further discussion, Mr. Charles Paxton **MOTIONED, SECONDED** by Ms. Ingrid Nurse, to adjourn the meeting at 7:35 p.m. The vote was unanimous.

**APPROVED BY:** Holly Edwards, Chair



**SUBMITTED BY:** Kendall Bolton, Clerk to the Board



**ATTEST BY:** Susie Morris, Planning Director



**Exhibit A**

**Special Use Permit: SUSE2023-00028**

Applicant Information:	Cedric Thomas, WSOC-TV 235 West 23 <sup>rd</sup> Street Charlotte, NC 28206
Owner Information:	Joseph Fountain III 9599 John White Road Midland, NC 28107
PIN#:	5546-43-6394
Area in Acres:	10.08 acres (.62 acres for tower site and access)
Purpose of Request:	This request is to construct a 140-foot tall (120 feet plus a 20-foot radome) Public Service Facility (weather radar tower) on the subject property. The property is currently zoned Countryside Residential (CR) district. Public Service Facilities are permitted in the CR district with the issuance of a Special Use Permit.
Site Description:	The subject property is located off John White Road. Currently, a single-wide manufactured home, along with residential and agricultural accessory structures occupy the subject property.
Current Land Uses:	The current land use of the subject property is agricultural and single family residential (manufactured home).
Adjacent Land Uses:	The subject property is surrounded by residential, agricultural, and vacant properties.
Permitted Uses:	Any use permitted within the Countryside Residential (CR) district would be permitted on the subject property.
Existing Zoning:	Countryside Residential (CR)
Surrounding Zoning:	North: Countryside Residential (CR) East: Countryside Residential (CR) South: Countryside Residential (CR) West: Countryside Residential (CR)

Signs Posted: Tuesday, November 22, 2023

Newspaper Notification: Wednesday, November 29, 2023

Newspaper Notification: Wednesday, December 6, 2023

Notification Letters: Tuesday, November 21, 2023

## Exhibits

- A. Staff Report
- B. Application
- C. Site Plan and Construction Drawings
- D. Staff Maps
- E. Certificate of FCC Compliance
  - E1. FCC Authorization
  - E2. Extension Application
  - E3. Narrative for Extension
  - E4. Original Application
- F. Lease
- G. Fall Zone Easement Agreement
- H. Service Coverage Map and Study
- I. Tower Concept
- J. Surrounding Property Owner information and Neighborhood Meeting
- K. Property Owner Letters
- L. Cabarrus County Correspondence

## Agency Review Comments

### **EMS Review: Approved**

*Approved with no comments.*

*(Justin Brines, Deputy Chief – Administration EMS)*

### **Fire Review: Approved with Conditions**

*Approved by fire for special use per these conditions which will be verified during the building permit process.*

- *The drive and turnaround will need to be 20' in width of an all-weather drivable surface such as gravel capable of supporting a 75,000lb apparatus for the entire length of the access road.*
- *The vertical clearance of the drive will be required to be 13' 6".*
- *A Knox Lock will be required on the gate accessing the tower. Knox locks should be keyed to the Flowes Store Fire Department.*
- *Will receive an inspection annually per NC Fire Code.*
- *Will require a tank permit for the generator.*
- *Will require at least one fire extinguisher in/on the equipment room for both equipment in the equipment room and the generator.*
- *A construction safety plan and safety coordinator will be required to be submitted prior to construction commencing.*

*(Jacob Thompson, Fire Marshall)*

### **Health Review: Approved**

*Approved.*

*(Chrystal Swinger, Director of Environmental Health)*

### **NCDOT Review: Approved**

*We are fine with the proposed plan and use. Everything should be fine from our perspective.*

*(Marc Morgan, PE, District Engineer)*

### **NCDEQ Review: Approved**

*If site is going to remain under 1 acre, then no permitting will be needed from land quality.*

*(Mena Awad, NCDEQ Engineer)*

### **Sheriff Review: Approved**

*Should any interference arise with the public safety radio system, applicant agrees to work with Cabarrus County Sheriff's Office to mitigate it.*

*(Lieutenant Travis McGhee, Sheriff's Office, Communications Division)*

### **Zoning Review: Approved**

*Sandy Howell: See Staff Report*

## History / Other Information

1. The applicant provided documentation compliant with Section 8-17 of the Cabarrus County Zoning Ordinance, petitioning for a Special Use.
2. The proposed use is a Public Service Facility (weather radar tower).
  - The tower will be used strictly for public service purposes.
  - No additional commercial equipment, including wireless carrier equipment, will be located on the tower.
3. The subject property is approximately 10.08 acres in size. The lease area is approximately .62 acres in size.
4. The applicant is proposing to utilize the existing 30' wide easement from John White Road for access to the tower site.
5. The applicant submitted a complete application that includes additional materials requested by legal to address similarities between the proposed use and a wireless telecommunications services tower.
  - The fall zone is depicted on the plans and reflects the overall tower height plus 50 feet (See Site Plan C0).
  - The lease for the property (Exhibit F) and the easement for the fall zone (Exhibit G) are provided as requested.
  - Access to the site will be subject to, and in accordance with, the fire code (See Site Plan C0).
  - Typicals of signs for the site are provided on the site plans as requested (See Site Plan C6).
  - FCC approval documents have been provided.
  - Service area maps have been submitted.
  - Megahertz data was submitted and reviewed by Motorola requested by Cabarrus County Sheriff's Office.
6. A site plan and example photos were included in the exhibits.
  - The site plan (Exhibit C) shows the tower to be constructed.
  - The photo (Exhibit I) is an example of a weather radar tower for reference.
7. The tower has been disassembled from a previous location. It will be rebuilt on the proposed site.
  - The applicant has procured the necessary approval from the FCC to move the tower to the new site.
  - An extension has also been submitted due to delays in site construction.
  - The greenhouses visible on the aerial view map where the tower position is proposed have previously been removed.
8. Megahertz data was submitted as requested by the Cabarrus County Sheriff's Office.
  - The weather radar will operate at 5850 Mhz. which should not interfere with radio communications.

## Conditions of Approval

Should the Board of Adjustment grant approval of the Special Use Permit, Staff requests the following conditions become part of the approval and case record:

1. Site plan review and approval is required subsequent to Board of Adjustment approval in order to ensure compliance with all applicable development requirements and conditions. (Zoning)
2. The Granting Order, stating restrictions and applicable conditions of approval shall be recorded with the deed for the property and prior to zoning permitting. (Zoning)
3. The applicant shall procure any and all applicable federal, state, and local permits prior to zoning permitting. (Zoning)
4. Any proposed future expansion of property, as well as modifications or changes to approved site plan, must receive Board of Adjustment approval in the form of an amendment to the Special Use Permit. (Zoning)
5. The applicant shall provide copies of all state, local, and federal permits for the permanent project file prior to zoning permitting. (Zoning)
6. The following conditions of approval must be met (Cabarrus County Fire Marshal's Office):
  - The drive and turnaround will need to be 20' in width of an all-weather drivable surface capable of supporting a 75,000lb apparatus for the entire length of the access road.
  - Vertical clearance for the drive must be 13' 6".
  - A Knox Lock is required on the gate accessing the tower.
    - Knox locks should be keyed to the Flowes Store Fire Department.
  - Inspection required annually per NC Fire Code.
  - Tank permit required for the generator.
  - At least one fire extinguisher in/on the equipment room for both equipment in the equipment room and the generator required.
  - Submittal of a construction safety plan and safety coordinator required prior to zoning permitting.
7. The fall zone easement shall be recorded prior to zoning permitting. (Zoning)
8. Applicant must meet all conditions outlined in the FCC Radio Station Authorization. (Zoning)
9. Should any interference arise with the public safety radio system, applicant agrees to work with Cabarrus County Sheriff's Office to mitigate it. (Cabarrus County Sheriff's Office, Communications Division)



## SPECIAL USE PERMIT APPLICATION

STAFF USE ONLY:

Application/Accela#: \_\_\_\_\_  
Reviewed by: \_\_\_\_\_  
Date: \_\_\_\_\_  
Amount Paid: \_\_\_\_\_

### INSTRUCTIONS/PROCEDURES:

1. Schedule a pre-application meeting with Staff to discuss the procedures and requirements for a Special Use Permit request.  
  
Date of Pre-Application Meeting: \_\_\_\_\_ Staff Facilitator(s): \_\_\_\_\_
2. Submit a complete application to the Planning Division. All applications must include the following:
  - Cabarrus County Land Records printout of all adjacent property owners. This includes properties located across the right-of-way and all on-site easement holders. The list must include owner name, address, and Parcel Identification Number.
  - A recent survey or legal description of the property.
  - Copies of the proposed site plan (number to be determined at pre-application meeting).
  - Neighborhood meeting documentation (minutes and list of attendees).
  - Any additional documents essential for the application to be considered complete. (Determined at pre-application meeting)
3. Submit cash, check, or money order made payable to Cabarrus County.  
Fees: Special Use Permit \$650.00 (includes first acre) +\$15.00 per acre  
(Plus the cost of advertising and engineering fees if applicable)  
(if a 3<sup>rd</sup> submittal is required, an additional review fee will be assessed)

The deadline for submittal is always the same day as the Planning and Zoning Commission Meeting which is the second Tuesday of the month. Applications must be submitted before 2:00 PM that day for consideration on the next available agenda.

**Incomplete applications will be returned to the applicant and will not be processed.**

### PROCESS SUMMARY:

1. Hold a pre-application meeting with Staff to discuss your Special Use Permit request and the Special Use Permit process.
2. Submit a complete application with the appropriate fees to the Cabarrus County Planning Division.

Staff and appropriate agents will review your complete application and site plan and comments will be forwarded to you. You will need to address the comments in writing, revise the site plan accordingly and resubmit a site plan showing that all comments are addressed, and errors corrected.

3. Once advised that the site plan is correct and ready to be presented to the Board of Adjustment, you will need to submit folded copies of the site plan (number determined by staff).
4. When the copies of the plan are received, Staff will begin to prepare a staff report, schedule a public meeting date, and notify adjacent property owners of the public meeting/public hearing date. A sign advertising the public hearing will also be placed on the property being considered for the Special Use Permit.

**Meeting Information:** Meetings are held the second Tuesday of each month at 6:30 PM in the Cabarrus County Governmental Center located in downtown Concord at 65 Church Street, SE.

**Special Use Permit:** Special Use Permits are considered by the Board of Adjustment during a quasi-judicial hearing. This means that anyone wishing to speak regarding the application must be sworn in. The vote requirement for the Special Use Permit to pass is a simple majority. Additional conditions may be added as part of the Special Use Permit approval process.

**Questions:** Any questions related to the Special Use Permit process may be directed to the Planning Division at 704-920-2141, between 8 AM and 5 PM, Monday through Friday.

**TO THE BOARD OF ADJUSTMENT:**

I HEREBY PETITION THE BOARD OF ADJUSTMENT TO GRANT THE ZONING ADMINISTRATOR THE AUTHORITY TO ISSUE A SPECIAL USE PERMIT FOR THE USE OF THE PROPERTY AS DESCRIBED BELOW.

**APPLICANT**

CEDRIC Thomas  
NAME

235 WEST 23<sup>rd</sup> STREET  
ADDRESS

Charlotte NC 28206  
CITY STATE ZIP CODE

704-335-4785  
PHONE NUMBER

---

**FAX NUMBER**

CEDRIC - Thomas@wsoc-TV.com  
E-MAIL ADDRESS

**PROPERTY OWNER**

JOSEPH P. FOUNTAIN III  
NAME

9619 John White Road  
ADDRESS

Midland NC 28107

704-201-1909  
PHONE NUMBER

---

**FAX NUMBER**

JOE@FOUNTAINLANDSCAPING.COM  
E-MAIL ADDRESS

**Is Applicant the designated Point of Contact for comments and for billing?** Yes  No

If no, provide POC name, email, phone and address:

TED HAND ted.hand@cmg.com 704-575-0478  
235 WEST 23<sup>rd</sup> STREET, Charlotte NC 28206

PARCEL INFORMATION:

Existing Use of Property

Storage / Maintenance YARD

Proposed Use of Property

INSTITUTIONAL

Existing Zoning

9599 John White Road Middlesex NC 28107

Property Location

10.08

Property Acreage

55464363940000

Parcel Number (PIN)

LAND USE OF ADJACENT PROPERTIES:

NORTH Farm Land

SOUTH Residential

EAST Residential

WEST Farm Land

GENERAL REQUIREMENTS:

The Zoning Ordinance imposes the following general requirements on the use requested by the applicant. Under each requirement, the applicant should explain, with reference to the attached plans (when applicable) how the proposed use satisfies these requirements.

1. The Board must find that the use(s) as proposed "are not detrimental to the public health, safety or general welfare."

2. The Board must find that the use(s) as proposed "are appropriately located with respect to transportation facilities, water supply, fire and police protection, waste disposal, etc."

TOWER construction does not effect any of the listed items

3. The Board must find that the use(s) as proposed "will not violate neighborhood character nor adversely affect surrounding land uses."

ALL ADJACENT LAND OWNERS WERE NOTIFIED BY US REGISTER MAIL  
ABOUT THE USE AND HEIGHT OF TOWER,

4. The Board must find that the use(s) as proposed "will comply with the general plans for the physical development of the County or Town, as embodied in the Zoning Ordinance or in the area development plans that have been adopted."

**SPECIFIC REQUIREMENTS:**

The Zoning Ordinance also imposes SPECIFIC REQUIREMENTS on the use(s) requested by the applicant. The applicant should be prepared to demonstrate that, if the land is used in a manner consistent with the plans, specifications, and other information presented to the Board, the proposed use(s) will comply with specific requirements concerning the following:

Nature of use (type, number of units, and/or area):

TOWER to support WEATHER RADAR,  
(1) Tower, (1) Equipment Building, (1) AC Backup Generator

Accessory uses (if any):

---

---

**SETBACK PROVISIONS:**

Principle Use:

Front: \_\_\_\_\_ Side yard Single: \_\_\_\_\_ Side yard Total: \_\_\_\_\_ Rear: \_\_\_\_\_

Accessory Use:

Front: \_\_\_\_\_ Side yard Single: \_\_\_\_\_ Side yard Total: \_\_\_\_\_ Rear: \_\_\_\_\_

Height provisions: Principle Use: \_\_\_\_\_ Accessory Use: \_\_\_\_\_

Off street parking and loading provisions: (include calculations)

---

SEE DRAWING C9

Sign provisions: (include sketch drawing with dimensions)

---

ALL SIGNS WILL BE FCC Required Warning Signs, NOT LARGER than 6'sq AND WILL BE ATTACHED to THE SURROUND FENCE

Provisions for screening landscaping and buffering: (show on site plan)

---

SEE DRAWING L1

Provisions for vehicular circulation and access to streets: (provide NCDOT permit and/or TIA)

---

TRAVEL TO RADAR Tower will use current DRIVEWAY

Adequate and safe design for grades, paved curbs and gutters, drainage systems, and treatment or turf to handle storm waters, prevent erosion, subdue dust:

TOWER WILL BE CONSTRUCTED ON FLAT LAND, THERE  
WILL BE NO RASING OR LOWERING OF THE CURRENT SITE

An adequate amount and safe location of play areas for children and other recreational uses according to the concentration of residential property:

NOT APPLICABLE

Compliance with applicable overlay zones: (see Chapter 4 of Zoning Ordinance)

NOT WITHIN A WATERSHED DISTRICT

Compliance with the Flood Damage Prevention Ordinance: (see Chapter 16)

YES, TOWER IS AT THE HIGHEST POINT OF PROPERTY  
BUILDING SITE WOULD NOT CAUSE SITE TO FLOOD

Other requirements may be requested by the applicant or specified by the Board for protection of the public health, safety, welfare, and convenience:

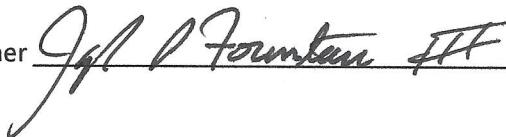
**PREDEFINED STANDARDS:**

Each individual Special Use listed in the Zoning Ordinance may have specific standards imposed. Refer to Chapter 8, the Special Use section of the Zoning Ordinance for these requirements. Each standard should be addressed in the site plan submitted along with this application.

**CERTIFICATION:**

I hereby confirm that the information contained herein and herewith is true and correct and that this application shall not be scheduled for official consideration until all the required contents have been submitted to the Planning and Development Department.

Signature of Applicant  Date: 7/19/2023

Signature of Owner  Date: 7/19/2023



**WSOC-TV**

235 WEST 23RD STREET  
CHARLOTTE, NC 28206

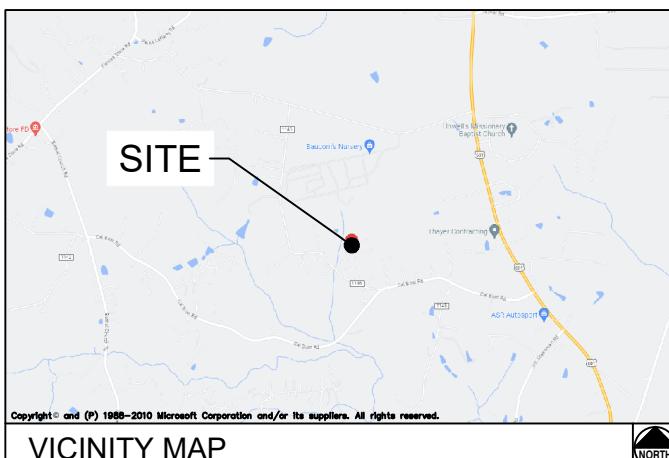
## WSOC TV, LLC. RADAR TOWER (5850 MHZ)

12/04/23 2:40 PM by: ryan.doolittle

### CABARRUS COUNTY SHERIFF'S OFFICE

30 CORBAN AVE SE  
CONCORD, NC 28025  
PHONE: (704) 920-3000  
ATTN.: CUSTOMER SERVICE

FLOWES STORE VFD  
8623 FLOWES STORE ROAD  
CONCORD, 28025  
PHONE: (704) 782-3370  
ATTN.: CUSTOMER SERVICE



DRIVING DIRECTIONS

### SITE ADDRESS (E-911 VERIFIED)

9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY  
LATITUDE: 35° 17' 17.409" N  
LONGITUDE: 80° 31' 34.342" W  
TAX/PIN #: 5546-43-6394-0000

ZONING: COUNTRYSIDE RESIDENTIAL (CR)

**JURISDICTION:**  
CABARRUS COUNTY

**STATE:**  
NORTH CAROLINA

**TOWER TYPE:**  
SELF SUPPORT TOWER

**TOWER HEIGHT:**  
140'

**NUMBER OF TENANTS:**  
1 PROPOSED (NO CO-LOCATIONS PERMITTED)

**USE:**  
PROPOSED WEATHER RADAR TOWER AND  
COMPOUND WITH UNMANNED EQUIPMENT

**FLOOD INFO**  
SITE IS LOCATED WITHIN FEMA FLOOD MAP  
AREA 3710554600K DATED 11/16/2018 WITHIN  
FLOOD ZONE X.

PROJECT SUMMARY

**DEVELOPER**  
WSOC TV, LLC  
235 W. 23RD STREET  
CHARLOTTE, NC 28606  
PHONE: (704) 335-4732 EXT. 4871  
ATTN: TED HAND

**CONSULTANT**  
KIMLEY-HORN AND ASSOCIATES, INC.  
421 FAYETTEVILLE ST., SUITE 600  
RALEIGH, NC 27606  
PHONE: (770) 545-6105  
ATTN.: RYAN DOOLITTLE

**CONTACTS**

**CABARRUS COUNTY PLANNING AND ZONING**

65 CHURCH ST S  
CONCORD, NC 28025  
PHONE: (704) 920-2137  
ATTN.: CUSTOMER SERVICE

PERMIT INFORMATION

SHEET NO.	SHEET TITLE
T1	COVER SHEET
-	SURVEY SHEETS BY OTHERS
N1	GENERAL NOTES
C0	OVERALL PARCEL PLAN
C1	SITE PLAN
C2	FOUNDATION & SHELTER TIE DOWN DETAILS
C3	GENERATOR PAD DETAILS & NOTES
C4	GRADING AND EROSION CONTROL PLAN
C4.1	GRADING AND EROSION CONTROL PLAN
C5	SEDIMENT AND EROSION CONTROL DETAILS
C6	DISH AND TOWER ELEVATION DETAILSS
C7	WAVEGUIDE BRIDGE DETAILS
C8	FENCE, GATE, AND COMPOUND DETAILS
C9	ACEESS ROAD DETAILS
L1	LANDSCAPING PLAN
E1	ELECTRICAL NOTES
E2	UTILITY SERVICE ROUTING PLAN
E3	ELECTRICAL DETAILS
E4	GROUNDING NOTES
E5	GROUNDING PLAN
E6	GROUNDING DETAILS
E7	GROUNDING DETAILS

**SHEET INDEX**



**Exhibit C**

PROJECT INFORMATION:

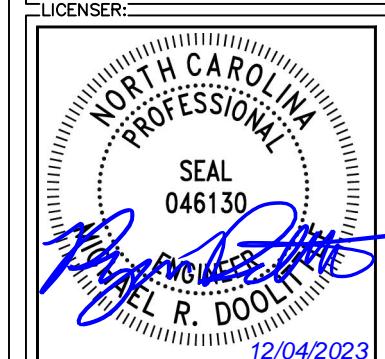
SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

**Kimley»Horn**

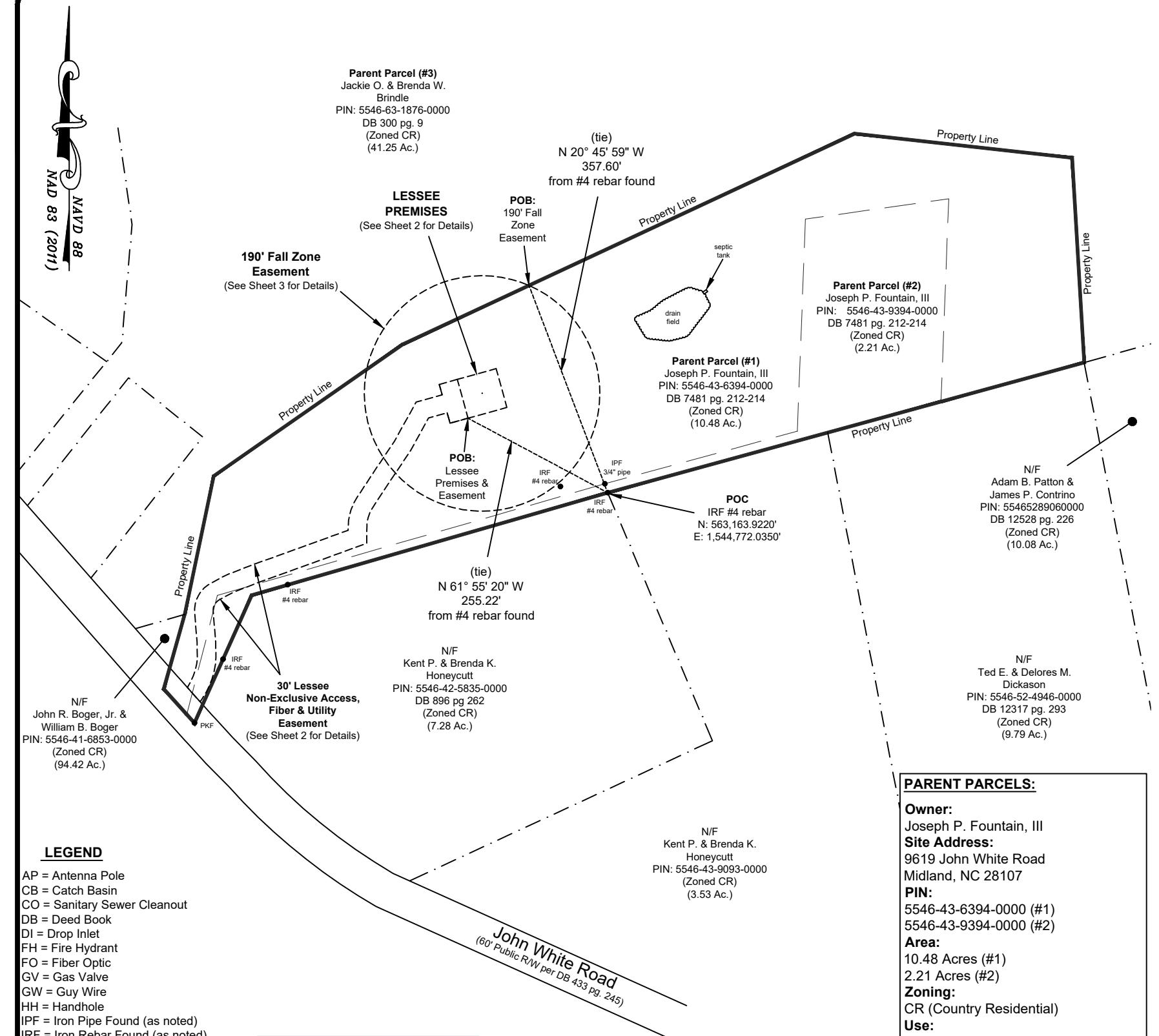
421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
WWW.KIMLEY-HORN.COM  
NC License F-0102

REV:	DATE:	ISSUED FOR:	BY:
7			
6	12/04/23	CONSTRUCTION	MRD
5	11/08/23	CONSTRUCTION	MRD
4	10/09/23	CONSTRUCTION	MRD
3	09/21/23	CONSTRUCTION	MRD
2	08/14/23	CONSTRUCTION	MRD
1	07/12/23	CONSTRUCTION	MRD
0	06/15/23	CONSTRUCTION	MRD
A	06/09/23	CONSTRUCTION	MRD



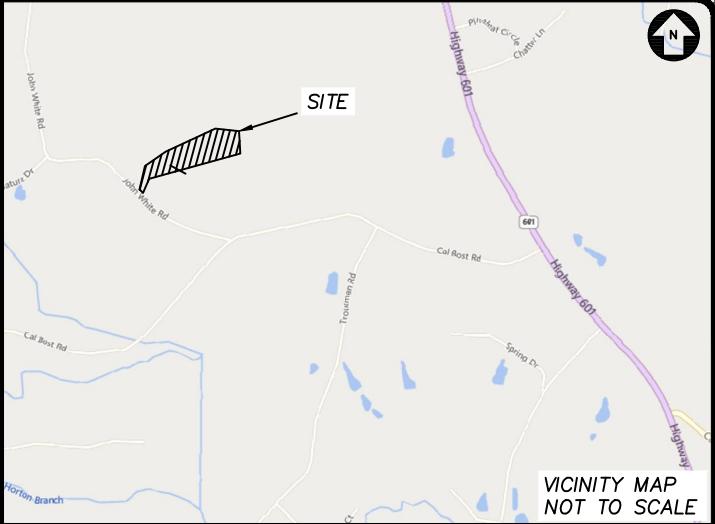
KHA PROJECT NUMBER:  
016454000  
DRAWN BY: CHECKED BY:  
FAQ KRM  
SHEET TITLE:

COVER SHEET  
SHEET NUMBER:  
T1



## GENERAL NOTES

1. This Specific Purpose Survey is for the Lessee Premises and Easements Only. This Specific Purpose Survey was prepared for the exclusive use of Cox Media Group, WSOC-TV, LLC and exclusively for the transferal of the Lessee Premises and the Rights of Easement information shown hereon. Boundary information shown hereon has been compiled from tax maps and deed descriptions only. No boundary survey of the Parent Parcel was preformed.
2. This drawing does not represent a boundary survey.
3. The Specific Purpose Survey was prepared with the benefit of a title report which may reveal additional conveyances, easements, or rights-of-way not shown hereon.
4. Survey equipment used for angular & linear measurements: Trimble S5 Robotic Total Station.
5. The 1' contours and spot elevations shown on the Specific Purpose Survey are adjusted to NAVD 88 Datum (computed using GEOID 18) and have a vertical accuracy of +/- 0.5'. Contours outside the immediate site area are approximate.
6. Bearings shown on this Specific Purpose Survey are based on Grid North (NAD83).
7. FEMA Floodplain Map Information:  
Community Panel #: 5546.  
FIRM Map #: 3710554600K Dated November 16th, 2018.  
This site is located in an area designated as Zone X (Area of Minimal Flood Hazard).
8. No wetland areas have been investigated by this Specific Purpose Survey.
9. All zoning information should be verified with Cabarrus County Zoning Officials.
10. Any underground utilities shown have been located from above ground field survey information. The Surveyor makes no guarantees that any underground utilities shown comprise all such utilities in the area, either in-service or abandoned. The Surveyor further does not warrant that any underground utilities shown are in the exact location indicated although they are located as accurately as possible from information available. The Surveyor has not physically located any underground utilities.



**SURVEYOR'S CERTIFICATION:**

I, Neal H. O'Connor, Jr., do hereby certify that this map was drawn under my supervision from an actual GPS/conventional field survey made under my supervision, and accurately depicts the locations of this site as surveyed in the field and is not intended to represent a Boundary Survey of the Property or Properties shown hereon. This survey is for Informational purposes only.

November 27th, 2023

Neal H. O'Connor, Jr.  
NCPLS # L-4005

## POSITIONAL ACCURACY:

**Class of Survey:** Class "A"  
**Positional Accuracy:** <0.10'  
**GPS Procedure:** NCGS Network RTK using a Trimble SPS985 GPS Rover with TSC3 Controller  
**Datum/Epoch:** NAD83 (NSRS2011) / NAVD 88  
**Public/Fixed Control:** NC VRS Network  
**Geoid Model:** Geoid18 (CONUS)  
**Combined Grid Factor:** 0.99984591  
**Units:** US Survey Feet  
**Date of Survey:** May 9th, 2023

## LINETYPE LEGEND

----- = Lessee & 30' Easement Line  
- - - - - = Parcel Line  
□ - □ - □ - □ = Fence Line  
===== = Curb & Gutter  
FO - - - - - = Fiber Optic Line  
===== = Right of Way Line  
OE - - - - - = Overhead Electric Power Line  
- - - - - = Branch Line (Property)

#### HATCH LEGEND

The legend consists of four entries. 1. A dotted pattern followed by the text '= Concrete'. 2. A hatched pattern followed by the text '= Brick Walkway'. 3. A pattern of small triangles followed by the text '= Grass'. 4. A pattern of vertical lines followed by the text '= Wall'.

**GRAPHIC SCALE**

( IN FEET )

1 inch = 200 ft

#### **SPECIFIC PURPOSE SURVEY:**

9619 JOHN WHITE ROAD  
MIDLAND, NC 28107  
CABARRUS COUNTY  
DATE OF SURVEY: MAY 9th 2022

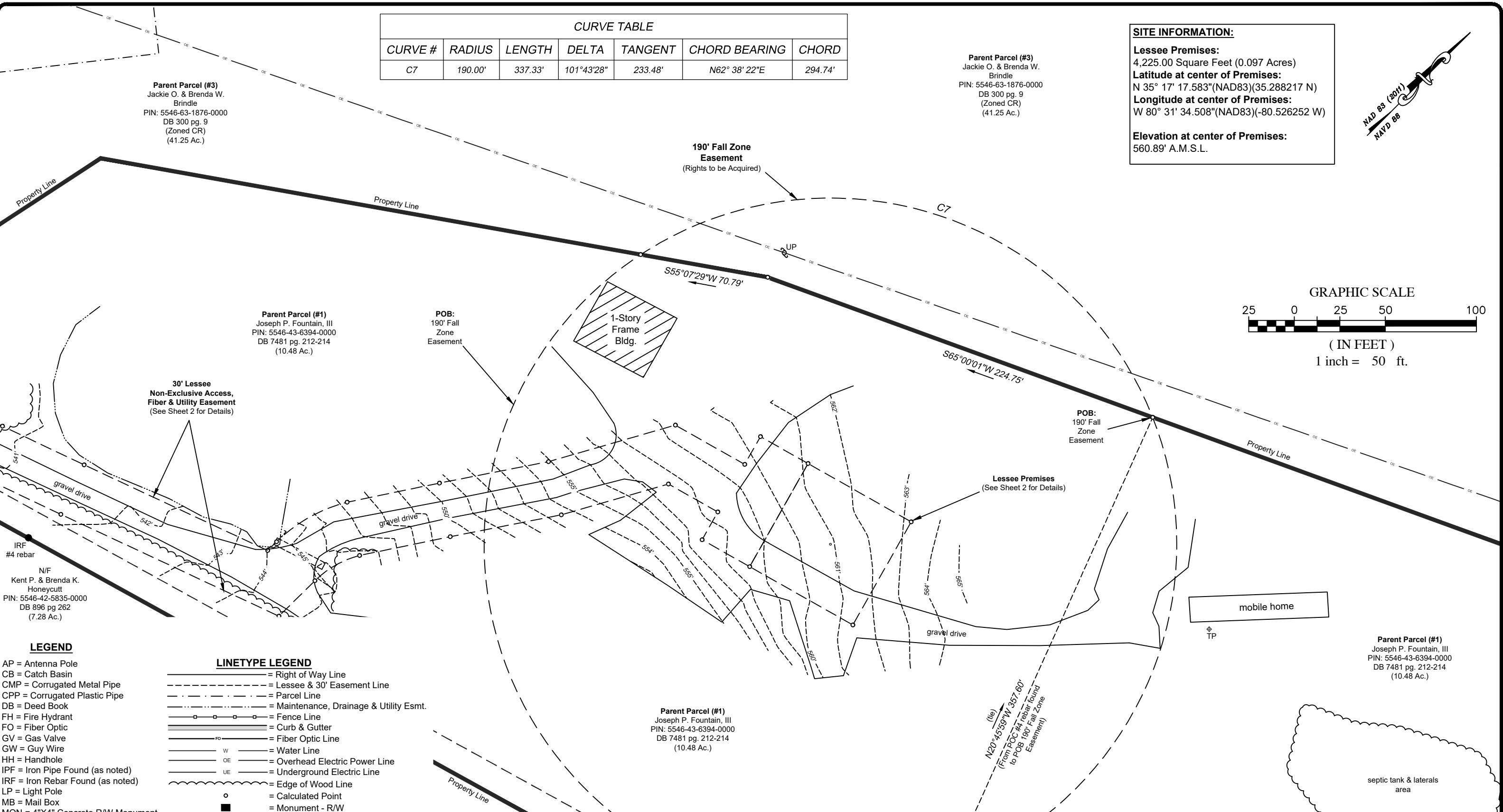


**DESIGN AND ENGINEERING SERVICES**  
Creatively Inspired - Technically Executed  
License: # P-0339  
320 Executive Court  
Hillsborough, NC 27278  
Voice: (919) 732-3883 Fax: (919) 732-6676

## SPECIFIC PURPOSE SURVEY

TOWER LESSEE  
PREMISES SITE  
SHEET 1 OF 4





<b>COPYRIGHT © 2023 SUMMIT DESIGN AND ENGINEERING</b> DRAWING ALTERATION IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY. ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.	<b>PREPARED FOR</b> <b>CMG</b> COX MEDIA GROUP WSOC-TV, LLC, 235 W 3rd Street, Charlotte, NC 28206 <b>Kimley Horn</b>	<b>REVISIONS</b>	<b>SPECIFIC PURPOSE SURVEY:</b> <b>WSOC</b> 9619 JOHN WHITE ROAD MIDLAND, NC 28107 CABARRUS COUNTY DATE OF SURVEY: MAY 9th, 2023	<b>SUMMIT</b> DESIGN AND ENGINEERING SERVICES Creatively Inspired - Technically Executed License: # P-0339 320 Executive Court Hillsborough, NC 27278 Voice: (919) 732-3883 Fax: (919) 732-6676 www.summitde.net
031				<b>SPECIFIC PURPOSE SURVEY</b> TOWER LESSEE PREMISES SITE SHEET 3 OF 4 (Not Valid without all Sheets)

**PARENT PARCEL (#1)**

Property located in the City of Midland, Number 10 Township, Cabarrus County, North Carolina.

All that certain piece, parcel or tract of land lying and being situated on the north-side of John White Road 0.5 miles west of the intersection with Braod Road, in Cabarrus County, North Carolina, containing ten and 48/100 Acres (10.48 Acres), more or less, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds.

TAX PARCEL ID NUMBER: 5546-43-6394-0000

**PARENT PARCEL (#2)**

Property located in the City of Midland, Number 10 Township, Cabarrus County, North Carolina.

All that certain piece, parcel or tract of land lying and being situated on the north-side of John White Road 0.29 miles west of the intersection with Cal Bost Road, in Cabarrus County, North Carolina, containing two and 21/100 Acres (2.21 Acres), more or less, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds.

TAX PARCEL ID NUMBER: 5546-43-9394-0000

**PARENT PARCEL (#3)**

Property located in the City of Midland, Number 10 Township, Cabarrus County, North Carolina.

All that certain piece, parcel or tract of land lying and being situated on the north-side of John White Road 0.29 miles west of the intersection with Cal Bost Road, in Cabarrus County, North Carolina, containing two and 21/100 Acres (2.21 Acres), more or less, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds.

TAX PARCEL ID NUMBER: 5546-43-9394-0000

**190' FALL ZONE EASEMENT**

Together with a 190-foot Fall Zone Easement lying and being in the City of Midland, Number 10 Township, Cabarrus County, North Carolina, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds and being more particularly described as follows:

To find the Point of Beginning, Commencing at an existing #4 rebar on the southern property line of said Joseph P. Fountain, III property at the northeastern and northwest corners of (2) Kent P. & Brenda K. Honeycutt properties as described in Deed Book 896 page 262, having a North Carolina Grid North (NAD83) value of N: 563,163.9220' and E: 1,544,772.0350' and being labeled POINT OF COMMENCEMENT; thence with tie-line N 61° 55' 20" W 255.22 feet to a point being the Point of Beginning for the 30-foot wide Lessee Non-Exclusive Access, Fiber & Utility Easement and the TRUE POINT OF BEGINNING of the Lessee Premises; thence N 15° 30' 14" W 65.00 feet to a point; thence N 74° 29' 46" E 65.00 feet to a point; thence S 15° 30' 14" E 65.00 feet to a point; thence S 74° 29' 46" W 65.00 feet to the POINT OF BEGINNING.

Bearings based on North Carolina Grid North, NAD83.

Said described parcel containing 0.299 Acres (13,008.65 square feet), more or less and subject to any and all easements, reservations, restrictions and conveyances of record, being shown hereon for Cox Media Group and WSOC-TV, LLC.



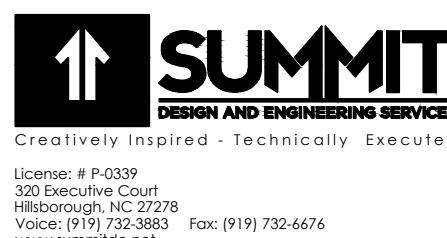
REVISIONS					
No.	DATE	DESCRIPTION	BY	CHK	APP
1.	9-19-23	Shifted Tower location & revised plan set	NHO	NHO	NHO
2.	10-02-23	Shifted Tower location & revised plan set	NHO	NHO	NHO
3.	10-10-23	Shifted Tower location & revised plan set	NHO	NHO	NHO
4.	11-06-23	Added County Comments & revised plan	NHO	NHO	NHO
5.	11-27-23	Added 190' Fall Zone Easement & revised	NHO	NHO	NHO

032

**SPECIFIC PURPOSE SURVEY:**

**WSOC**

9619 JOHN WHITE ROAD  
MIDLAND, NC 28107  
CABARRUS COUNTY  
DATE OF SURVEY: MAY 9th, 2023



SPECIFIC PURPOSE  
SURVEY  
  
TOWER LESSEE  
PREMISES SITE  
SHEET 4 OF 4  
  
(Not Valid without all Sheets)

**1.00 GENERAL NOTES**

1.01 ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND OR REGULATIONS APPLICABLE TO THIS PROJECT.

1.02 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT MANAGER AND/OR ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH WORK. WHERE THERE IS A CONFLICT BETWEEN DRAWING AND WSOC-TV, LLC. SPECIFICATIONS, THE WSOC-TV, LLC. PROJECT ENGINEER SHOULD BE CONTACTED FOR CLARIFICATION.

1.03 ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE PROJECT MANAGER AND/OR ENGINEER SO THAT PROPER REVISIONS MAY BE MADE. MODIFICATION OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE PROJECT MANAGER AND/OR ENGINEER.

1.04 CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH SITE CONDITIONS AS SHOWN ON THE ATTACHED SITE PLAN AND/OR SURVEY DRAWINGS.

1.05 WAVEGUIDE BRIDGE AND EQUIPMENT SHELTER ARE SHOWN FOR REFERENCE ONLY. REFER TO SEPARATE DRAWINGS FOR SPECIFIC INFORMATION.

1.06 ALL FINISHED GRADES SHALL SLOPE MINIMUM 1/4 IN./FT. AWAY FROM EQUIPMENT IN ALL DIRECTIONS. CONTRACTOR SHALL SLOPE SWALES AS REQUIRED ALONG EXISTING TERRAIN TO DRAIN AWAY FROM COMPOUND AND ACCESS DRIVE.

1.07 THE PROPOSED TOWER AND TOWER FOUNDATIONS WERE DESIGNED BY OTHERS. TOWER INFORMATION PROVIDED ON THESE PLANS ARE PROVIDED FOR REFERENCE PURPOSES ONLY. NOTIFY ENGINEER OR PROJECT MANAGER OF ANY CONFLICTS OR DISCREPANCIES. CONTRACTOR TO OBTAIN COPY OF STRUCTURAL ANALYSIS, IF AVAILABLE, FROM WSOC-TV, LLC. PROJECT MANAGER TO CONFIRM COAX ROUTING AND ANTENNA MOUNT INFORMATION.

1.08 THE CONTRACTOR SHALL PROVIDE ADEQUATE EXCAVATION SLOPING, SHORING, BRACING, AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.

1.09 UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO THE EXISTING ACCESS ROAD AND COMPOUND GRAVEL AREAS. ANY NEW FILL MATERIALS SHALL BE COMPAKTED.

1.10 THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND SHALL REQUEST A VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF THEIR UNDERGROUND UTILITIES AND WHERE THEY MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF IMPROVEMENTS AS SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT WILL BE REQUIRED TO NOTIFY "NORTH CAROLINA 811" 48 HOURS IN ADVANCE OF PERFORMING ANY WORK BY CALLING THE TOLL FREE NUMBER (800) 632-4949 (OR 811). ANY UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER.

1.11 CONTRACTOR SHALL TAKE EXTREME CAUTION WHEN CONSTRUCTING WAVEGUIDE FOOTINGS SO AS TO NOT DAMAGE THE TOWER GROUNDING RING. IF THE RING BECOMES DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF THE TOWER GROUNDING RING AS DEEMED APPROPRIATE BY WSOC-TV, LLC..

1.12 CONTRACTOR TO PROVIDE DUMPSTER AND PORTABLE TOILET FACILITY DURING CONSTRUCTION.

1.13 RADAR EQUIPMENT WILL OPERATE AT A FREQUENCY OF 5850 MHz.

1.14 NO COLOCATIONS OF ADDITIONAL EQUIPMENT ARE PERMITTED ON THE STRUCTURE.

**2.00 EQUIPMENT FOUNDATION NOTES**

2.01 FOUNDATIONS ARE DESIGNED FOR A PRESUMPTIVE ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF. CONTRACTOR SHALL VERIFY SOIL CONDITIONS AND BEARING CAPACITY PRIOR TO CONSTRUCTION.

2.02 EXCAVATE A MINIMUM 18" BELOW PROPOSED EQUIPMENT FOUNDATIONS OF EXPANSIVE, ORGANIC, UNCONSOLIDATED OR OTHERWISE UNACCEPTABLE MATERIAL AND REPLACE WITH WELL-COMPACTED MATERIAL ACCEPTABLE TO WSOC-TV, LLC..

2.03 CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE. ALL EXCAVATIONS NEAR THESE LINES TO BE CARRIED OUT WITH EXTREME CAUTION. COORDINATE ALL RELOCATIONS WITH THE PROPERTY OWNER.

2.04 CONTRACTOR TO CUT/FILL COMPOUND SUBSOIL TO PROVIDE AN AREA AS LEVEL AS POSSIBLE FOR THE EQUIPMENT FOUNDATIONS. ALL FILL AREAS ARE TO BE FILLED WITH SUITABLE MATERIALS. FILL MATERIALS ARE TO BE PLACED, COMPACTED, AND TESTED IN MAXIMUM LAYERS OF 8". COMPACTION OF ALL FILL MATERIAL SHALL ACHIEVE 95 PERCENT OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D 698. ALL TESTS MUST MEET THE MINIMUM SPECIFIED SOIL BEARING CAPACITY. COMPACTION TESTING IS BY THE GEOTECHNICAL TESTING COMPANY DESIGNATED FOR THE PROJECT. SCHEDULING AND COORDINATION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. REPORTS OF ALL TESTING ARE TO BE PROMPTLY DELIVERED OR FAXED TO THE WSOC-TV, LLC. PROJECT MANAGER.

2.05 CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION TO ACI-318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

2.06 CONCRETE SHALL HAVE A SLUMP BETWEEN 3" AND 6".

2.07 FIBERS FOR CONCRETE SHALL BE FIBERMESH 650, 100 PERCENT VIRGIN POLYPROPYLENE FIBRILLATED FIBERS, e3 PATENTED TECHNOLOGY PATENTED TECHNOLOGY, CONTAINING NO REPROCESSED OLEFIN MATERIALS. THE FIBERS SHALL CONFORM TO ASTM C1116 TYPE III AND MANUFACTURED SPECIFICALLY FOR THE SECONDARY REINFORCEMENT OF CONCRETE.

2.08 THE FIBERS SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED MANUFACTURING FACILITY. UNLESS OTHERWISE STATED, FIBERMESH 650 MACRO-SYNTHETIC FIBERS SHALL BE ADDED TO THE CONCRETE AT THE BATCHING PLANT AT THE RECOMMENDED APPLICATION RATE OF 3 LBS/YD<sup>3</sup> AND MIXED FOR A SUFFICIENT TIME (MINIMUM 5 MINUTES AT FULL MIXING SPEED) TO ENSURE UNIFORM DISTRIBUTION OF THE FIBERS THROUGHOUT THE CONCRETE. FIBROUS CONCRETE REINFORCEMENT SHALL BE MANUFACTURED BY FIBERMESH, 4019 INDUSTRY DRIVE, CHATTANOOGA, TN 37416 USA, TEL: 800 621-1273, WEBSITE: WWW.FIBERMESH.COM

2.09 AT THE REQUEST OF THE WSOC-TV, LLC. PROJECT MANAGER, TEST CYLINDERS SHALL BE MOLDED AND LABORATORY CURED IN ACCORDANCE WITH ASTM C31. THREE CYLINDERS SHALL BE TAKEN FOR EACH DAY'S CONCRETE PLACEMENT. CYLINDERS SHALL BE TESTED IN ACCORDANCE WITH THE LATEST REVISION TO ASTM C39.

2.10 CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH  $\frac{3}{4}$ " x 45° CHAMFER, UNLESS OTHERWISE NOTED.

2.11 CONCRETE FORMWORK IS TO BE STRIPPED WITHIN 48 HOURS. VIBRATION OF THE CONCRETE MUST ASSURE THAT HONEYCOMBING WILL BE AT A MINIMUM. MECHANICAL VIBRATION OF ALL CONCRETE IS REQUIRED UNLESS OTHERWISE DIRECTED BY WSOC-TV, LLC. PROJECT MANAGER. ABOVE GRADE CONCRETE IS TO BE RUBBED AND PATCHED TO ASSURE SMOOTH FINISH AT TIME OF FORMS REMOVAL. CONTRACTOR SHALL PROVIDE A BROOM FINISH ON THE TOP SURFACE OF THE EQUIPMENT FOUNDATION UNLESS OTHERWISE DIRECTED BY WSOC-TV, LLC. PROJECT MANAGER.

2.12 TOPS OF CONCRETE FOUNDATION MUST BE WITHIN 0.02' OF ELEVATION REQUIRED.

2.13 TOP OF FOUNDATION FINISH TO BE LEVEL  $\pm\frac{1}{8}$ " IN 10'.

2.14 TOP OF FOUNDATION TO HAVE MEDIUM BROOM FINISH.

2.15 CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL VERIFY PLACEMENT OF EQUIPMENT AND LOCATION OF CONDUIT FOR MANUFACTURER'S AND VENDORS SPECIFICATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION OF ALL UTILITIES.



PROJECT INFORMATION:

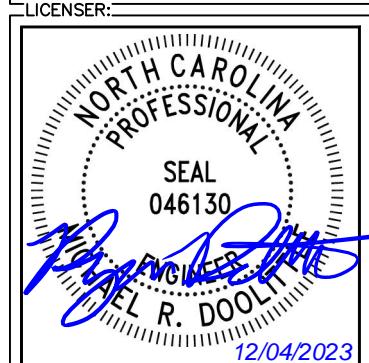
SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

**Kimley»Horn**  
421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
WWW.KIMLEY-HORN.COM  
NC License F-0102

REV: \_\_\_\_ DATE: \_\_\_\_ ISSUED FOR: \_\_\_\_ BY: \_\_\_\_

7			
6	12/04/23	CONSTRUCTION	MRD
5	11/08/23	CONSTRUCTION	MRD
4	10/09/23	CONSTRUCTION	MRD
3	09/21/23	CONSTRUCTION	MRD
2	08/14/23	CONSTRUCTION	MRD
1	07/12/23	CONSTRUCTION	MRD
0	06/15/23	CONSTRUCTION	MRD
A	06/09/23	CONSTRUCTION	MRD

KHA PROJECT NUMBER:  
016454000DRAWN BY: \_\_\_\_ CHECKED BY:  
FAQ KRMSHEET TITLE:  
GENERAL NOTESSHEET NUMBER:  
N1

TOWER SETBACKS TO STRUCTURES (FROM TOWER CENTER)	
DISTANCE TO NEAREST SHED TO WEST	±109'-1"
DISTANCE TO NEAREST TO NEXT SHED TO WEST	±140'-6"
DISTANCE TO NEAREST ADJACENT HOUSE TO EAST	±626'-6"
DISTANCE TO STORAGE TRAILER TO EAST	±196'-1"

N/F  
JACKIE O. & BRENDA W. BRINDLE  
PIN: 5546-63-1876-0000  
(ZONED CR) (41.25 AC.)

PARENT PARCEL  
JOSEPH P. FOUNTAIN, III  
PIN: 55464363940000  
DB. 7481 PG. 212-214  
(10.48 AC)

N/F  
JEAN M. & CHARLES W. MICHAEL  
PIN: 5546-33-9260-0000  
DB. 6374 PG. 0128  
(0.79 AC)

PARCEL ID:  
5546-43-6394-0000

PROPOSED  
EASEMENT  
PROPOSED 190'  
TOWER FALL ZONE  
PROPOSED 140'  
TOWER FALL ZONE

N/F  
MARK & TRISH BRINDLE  
PIN: 5546-33-9260-0000  
(1.11 AC.)

EXISTING 60'X10'  
MOBILE HOME

N/F  
JOSEPH P. FOUNTAIN, III  
PIN: 5546-43-9394-0000  
DB. 7481 PG. 212-214  
(ZONED CR) (2.21 AC)

30' LESSEE  
NON-EXCLUSIVE  
ACCESS, FIBER, &  
UTILITY EASEMENT

PROPOSED TOWER COMPOUND  
(SEE SHEET C2)  
SITE ADDRESS:  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

N/F  
ADAM B. PATTON & JAMES P. CONTRINO  
PIN: 5546-52-8906-0000  
DB. 12528 PG. 226  
(ZONED CR) (10.08 AC)

EXISTING GRAVEL DRIVE  
(NOTE: DRIVEWAY TO BE  
MODIFIED TO MEET NC FIRE  
CODE ACCESS REQUIREMENTS)

EXISTING PROPERTY LINE

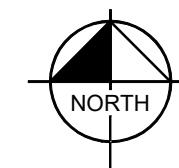
N/F  
KENT P. & BRENDA K. HONEYCUTT  
PIN: 5546-42-5835-0000  
DB. 896 PG. 262  
(ZONED CR) (7.28 AC.)

N/F  
TED E. & DELORES M. DICKASON  
PIN: 5546-52-8906-0000  
DB. 12317 PG. 293  
(ZONED CR) (9.79 AC.)

TOWER SETBACKS TO PROPERTY LINES (FROM TOWER CENTER)	
NORTH	135'-10"
SOUTH	186'-5"
EAST	527'-2"
WEST	307'-0"

1  
C.0      OVERALL PARCEL PLAN  
SCALE: 1" = 150'

**DEMO NOTE:**  
1. EXISTING GREENHOUSE AND FOUNDATION TO BE REMOVED PRIOR TO  
CONSTRUCTION/INSTALLATION OF THE PROPOSED TOWER AND  
EQUIPMENT.



0 75 150 300  
GRAPHIC SCALE: 1" = 150'



PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

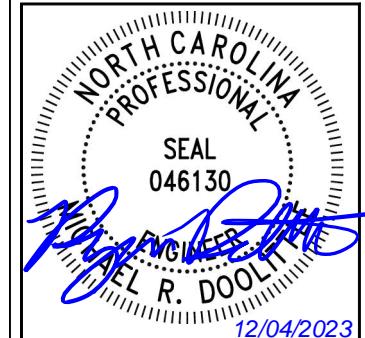
**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
WWW.KIMLEY-HORN.COM  
NC License F-0102

REV: DATE: ISSUED FOR: BY:

7			
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0	06/15/23	CONSTRUCTION	MRD
A	06/09/23	CONSTRUCTION	MRD

LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: CHECKED BY:

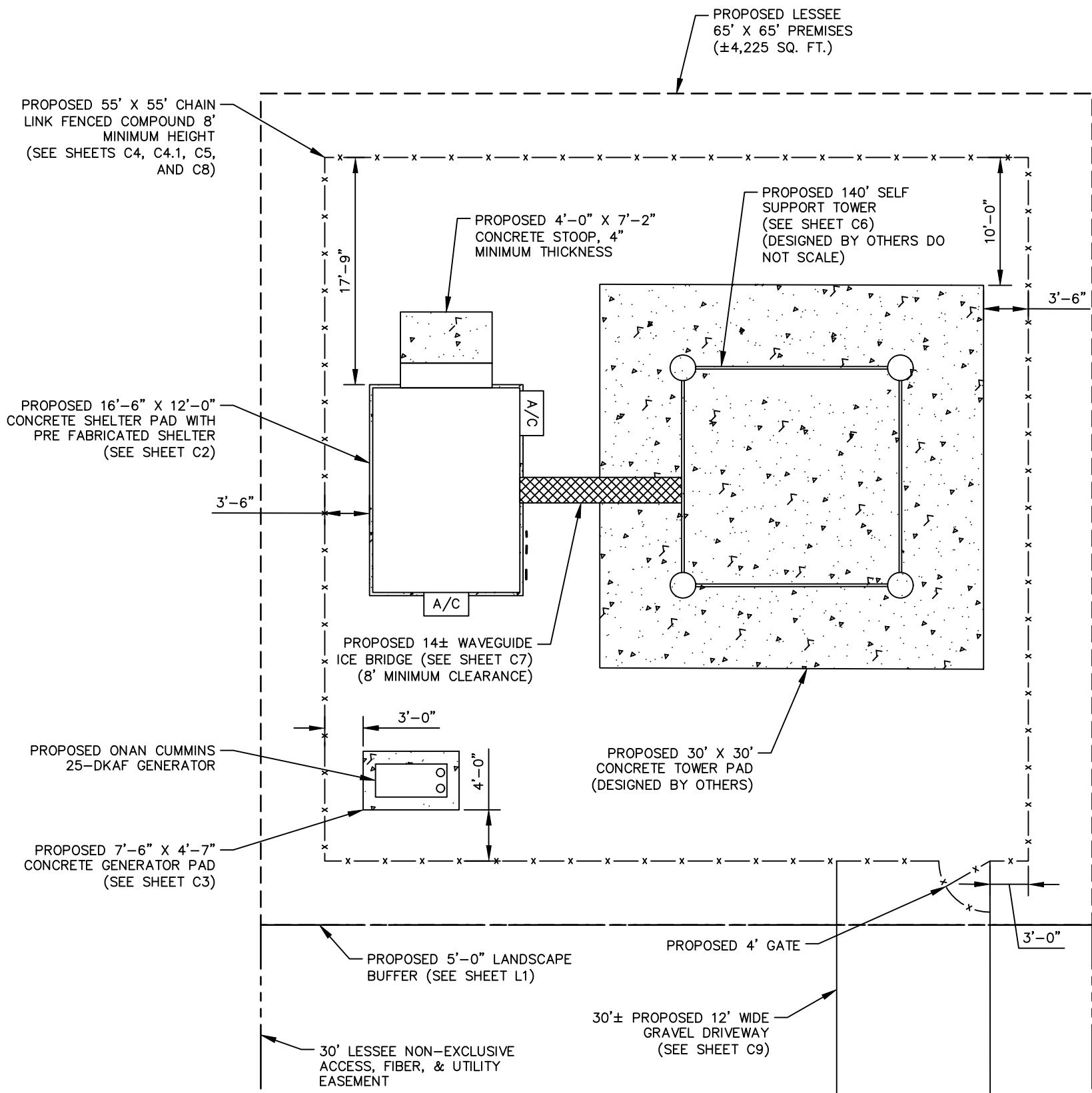
FAQ KRM

SHEET TITLE:

**OVERALL PARCEL  
PLAN**

SHEET NUMBER:

C0



1  
C1 SITE PLAN  
SCALE: 1" = 10'

## SITE NOTES:

1. WSOC-TV, LLC. STAFF SHALL COORDINATE WITH THE TOWER OWNER TO OBTAIN THE PROPER EASEMENT AGREEMENTS TO CONSTRUCT AND MAINTAIN EQUIPMENT IN AND AROUND THE TOWER COMPOUND.
2. PROPOSED COMPOUND LAYOUT BASED ON SURVEY DATD 10/10/2023.
3. CONTRACTOR TO CONFIRM WITH WSOC-TV, LLC. CONSTRUCTION MANAGER THAT THE EQUIPMENT SHOWN HAS BEEN ORDERED/SCHEDULED FOR DELIVERY TO THIS SITE.
4. THE BASIS OF EQUIPMENT DESIGN INCLUDES ONE (1) EQUIPMENT SHELTER AND ONE (1) GENERATOR.
5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND MODIFYING SCOPE OF WORK TO ACCOMMODATE ANY CHANGES IN THE EXACT EQUIPMENT PROCURED BY WSOC-TV, LLC. COORDINATE ANY CHANGES WITH WSOC-TV, LLC. CONSTRUCTION MANAGER.
6. ROUTE COAX/FIBER UP TOWER PER STRUCTURAL ANALYSIS BY TOWER OWNER.
7. TOWER DIMENSIONS SHOWN ON THIS PLAN ARE FOR TOWER CENTER LOCATION. CONTRACTOR TO OBTAIN COPY OF TOWER ERECTION DRAWINGS FROM WSOC-TV, LLC. CONSTRUCTION MANAGER PRIOR TO DRILLING TOWER FOUNDATIONS. CASSIOTS AND TOWER SHOWN ON THIS PLAN ARE ILLUSTRATIVE, SEE DESIGN DRAWING BY OTHERS. DO NOT SCALE.
8. CONTRACTOR TO HANG ANY NECESSARY SIGNAGE PER WSOC-TV, LLC. REQUIREMENTS



PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
WWW.KIMLEY-HORN.COM  
NC License F-0102

REV: \_\_\_\_ DATE: \_\_\_\_ ISSUED FOR: \_\_\_\_ BY: \_\_\_\_

7			
6	12/04/23	CONSTRUCTION	MRD
5	11/08/23	CONSTRUCTION	MRD
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0	06/15/23	CONSTRUCTION	MRD
A	06/09/23	CONSTRUCTION	MRD

LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: \_\_\_\_ CHECKED BY: \_\_\_\_

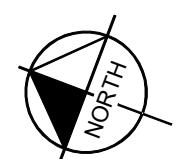
FAQ KRM

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

C1



0 5 10 20  
GRAPHIC SCALE: 1" = 10'



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)

9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
WWW.KIMLEY-HORN.COM  
NC License F-0102

REV: \_\_\_\_ DATE: \_\_\_\_ ISSUED FOR: \_\_\_\_ BY: \_\_\_\_

7			
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A	06/09/23	CONSTRUCTION	MRD

LICENSER:

**FOR  
ILLUSTRATIVE  
PURPOSES  
ONLY**

KHA PROJECT NUMBER:

016454000

DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

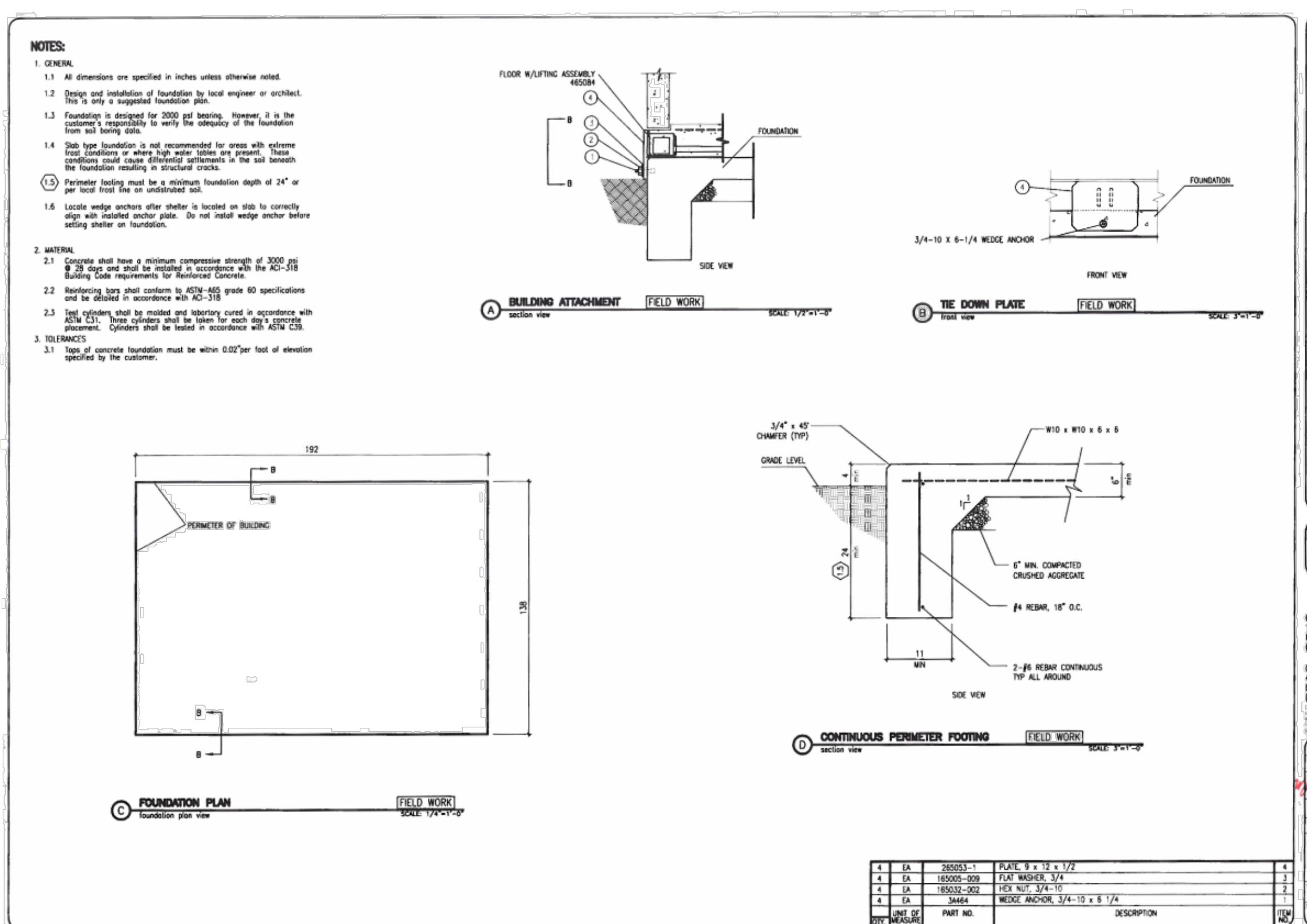
FAQ KRM

SHEET TITLE:

**FOUNDATION &  
SHELTER TIE  
DOWN DETAILS**

SHEET NUMBER:

C2





WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
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9599 JOHN WHITE ROAD  
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CABARRUS COUNTY

PLANS PREPARED BY:

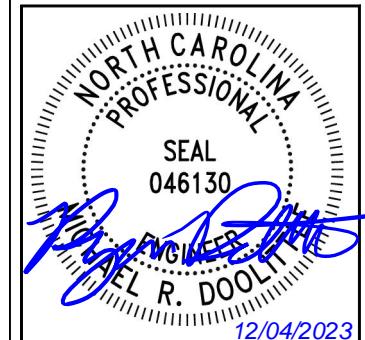
**Kimley»Horn**

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LICENSER: \_\_\_\_



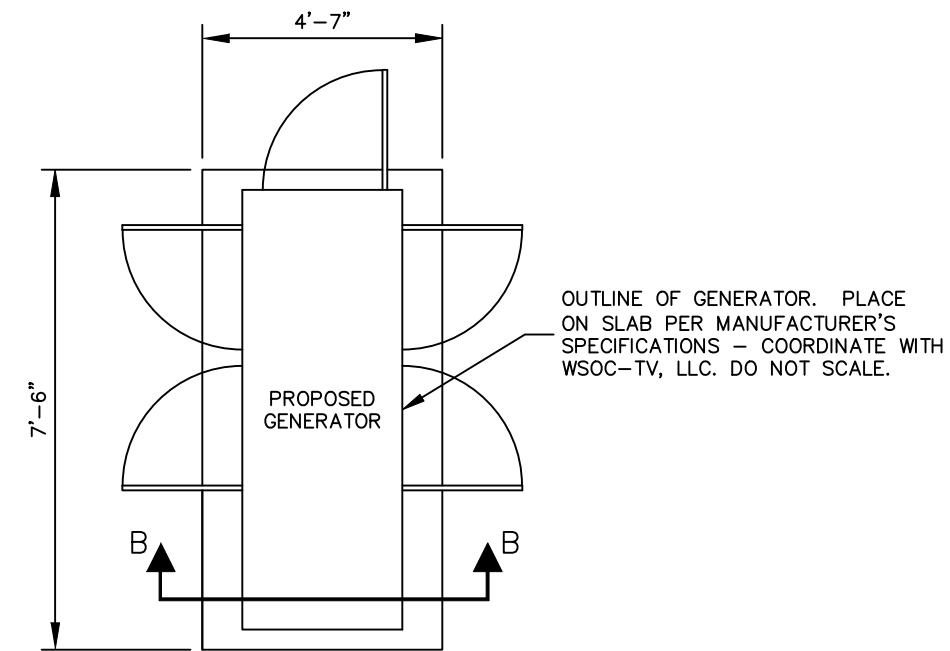
KHA PROJECT NUMBER: 016454000

DRAWN BY: \_\_\_\_ CHECKED BY: \_\_\_\_

FAQ KRM

SHEET TITLE: GENERATOR PAD DETAILS & NOTES

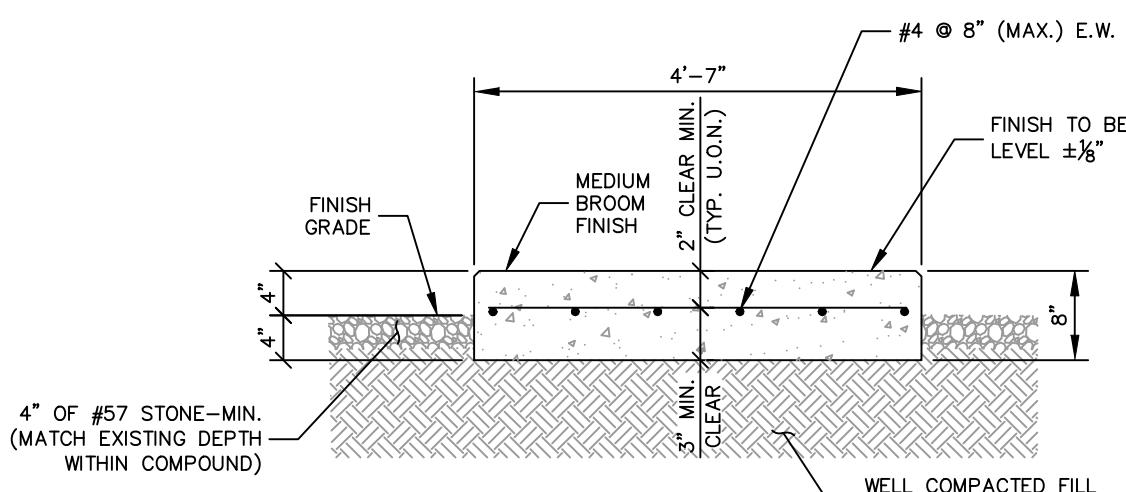
SHEET NUMBER: C3



NOTES:

1. REFER TO THE SITE PLAN ON SHEET C1 FOR GENERATOR PAD LOCATION AND ORIENTATION.

**1 C3** GENERATOR FOUNDATION PLAN  
SCALE: NTS



**2 C3** GENERATOR FOUNDATION SECTION B-B  
SCALE: NTS

**GENERAL**

1. FOUNDATIONS ARE DESIGNED FOR A PRESUMPTIVE ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF. CONTRACTOR SHALL VERIFY SOIL CONDITIONS AND BEARING CAPACITY PRIOR TO CONSTRUCTION.
2. EXCAVATE A MINIMUM 18" BELOW PROPOSED EQUIPMENT FOUNDATIONS OF EXPANSIVE, ORGANIC, UNCONSOLIDATED OR OTHERWISE UNACCEPTABLE MATERIAL AND REPLACE WITH WELL-COMPACTED MATERIAL ACCEPTABLE TO WSOC-TV, LLC..
3. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE. ALL EXCAVATIONS NEAR THESE LINES TO BE CARRIED OUT WITH EXTREME CAUTION. COORDINATE ALL RELOCATIONS WITH THE PROPERTY OWNER.
4. CONTRACTOR TO CUT/FILL COMPOUND SUBSOIL TO PROVIDE AN AREA AS LEVEL AS POSSIBLE FOR THE EQUIPMENT FOUNDATIONS. ALL FILL AREAS ARE TO BE FILLED WITH SUITABLE MATERIALS. FILL MATERIALS ARE TO BE PLACED, COMPACTED, AND TESTED IN MAXIMUM LAYERS OF 8". COMPACTION OF ALL FILL MATERIAL SHALL ACHIEVE 95 PERCENT OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D 698. ALL TESTS MUST MEET THE MINIMUM SPECIFIED SOIL BEARING CAPACITY. COMPACTION TESTING IS BY THE GEOTECHNICAL TESTING COMPANY DESIGNATED FOR THE PROJECT. SCHEDULING AND COORDINATION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. REPORTS OF ALL TESTING ARE TO BE PROMPTLY DELIVERED OR FAXED TO THE WSOC-TV, LLC. PROJECT MANAGER.

**MATERIALS**

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION TO ACI-318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
2. CONCRETE SHALL HAVE A SLUMP BETWEEN 3" AND 6".
3. REINFORCING BARS SHALL CONFORM TO THE LATEST REVISION OF ASTM-A615 GRADE 60 SPECIFICATIONS AND BE DETAILED IN ACCORDANCE WITH THE LATEST REVISION TO ACI-318.
4. AT THE REQUEST OF THE WSOC-TV, LLC. PROJECT MANAGER, TEST CYLINDERS SHALL BE MOLDED AND LABORATORY CURED IN ACCORDANCE WITH ASTM C31. THREE CYLINDERS SHALL BE TAKEN FOR EACH DAY'S CONCRETE PLACEMENT. CYLINDERS SHALL BE TESTED IN ACCORDANCE WITH THE LATEST REVISION TO ASTM C39.
5. CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH  $\frac{3}{4}$ " x 45° CHAMFER, UNLESS OTHERWISE NOTED.
6. CONCRETE FORMWORK IS TO BE STRIPPED WITHIN 48 HOURS. VIBRATION OF THE CONCRETE MUST ASSURE THAT HONEYCOMBING WILL BE AT A MINIMUM. MECHANICAL VIBRATION OF ALL CONCRETE IS REQUIRED UNLESS OTHERWISE DIRECTED BY WSOC-TV, LLC.' PROJECT MANAGER. ABOVE GRADE CONCRETE IS TO BE RUBBED AND PATCHED TO ASSURE SMOOTH FINISH AT TIME OF FORMS REMOVAL. CONTRACTOR SHALL PROVIDE A BROOM FINISH ON THE TOP SURFACE OF THE EQUIPMENT FOUNDATION UNLESS OTHERWISE DIRECTED BY WSOC-TV, LLC.' PROJECT MANAGER.

**ELECTRICAL**

1. CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL VERIFY PLACEMENT OF EQUIPMENT AND LOCATION OF CONDUIT FOR MANUFACTURER'S AND VENDORS SPECIFICATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION OF ALL UTILITIES.

**TOLERANCES**

1. TOPS OF CONCRETE FOUNDATION MUST BE WITHIN 0.02' OF ELEVATION REQUIRED.

**3 C3** GENERAL NOTES

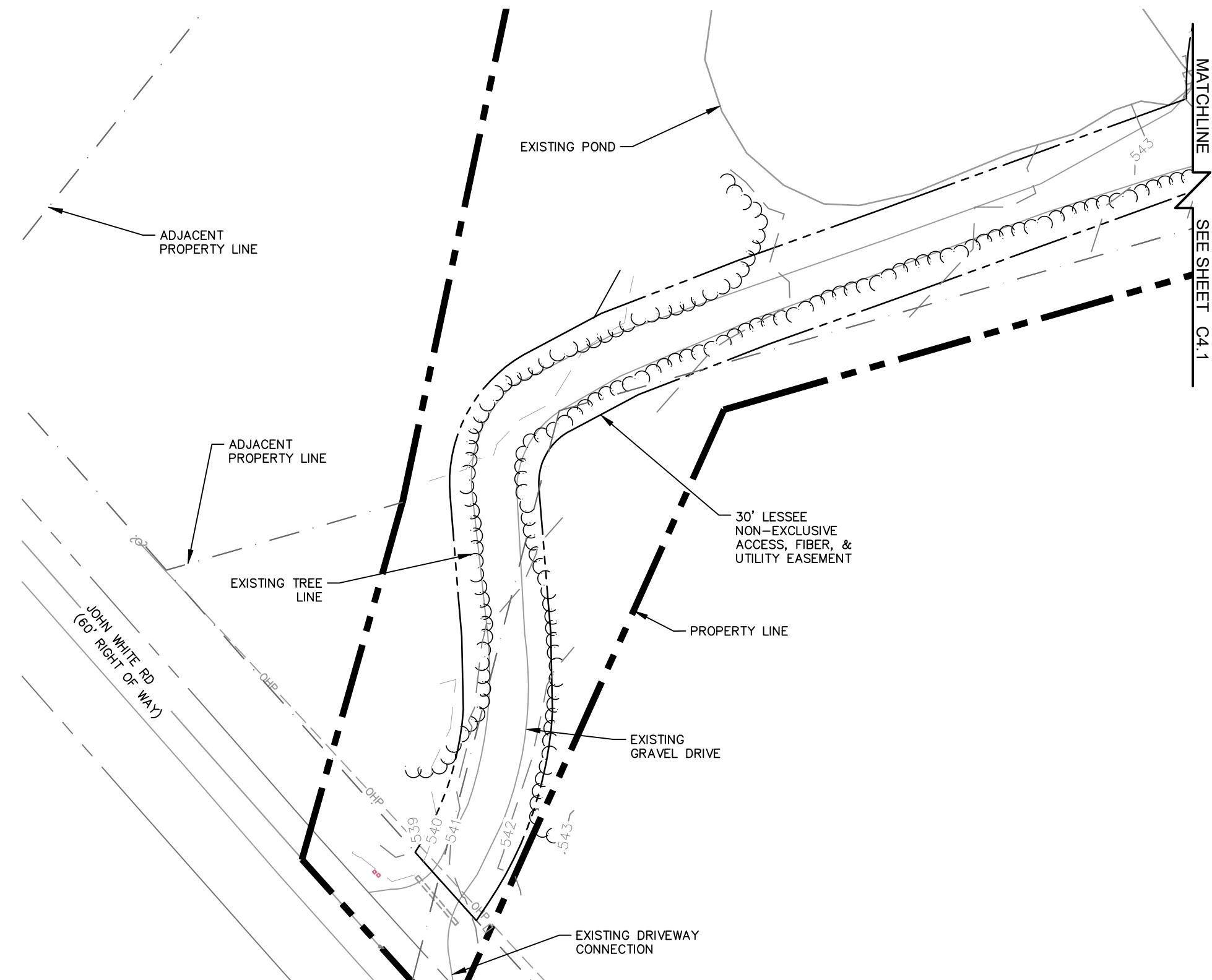
**NOTE:**  
CURRENT DESIGN ANTICIPATES APPROXIMATELY  $4,527 \pm$  SQ. FT. (0.10 ACRES) OF CLEARING AND GRADING FOR THE PROPOSED PROJECT. IF ADDITIONAL CLEARING IS REQUIRED BEYOND WHAT IS SHOWN IN THE PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR PROJECT MANAGER. IF DURING THE BID WALK OR CONSTRUCTION IT IS DETERMINED THAT MORE THAN (1) ACRE OF LAND IS TO BE DISTURBED FOR CONSTRUCTION AN EROSION AND SEDIMENTATION CONTROL PLAN MUST BE FILED 30 DAYS PRIOR TO CONSTRUCTION.

**GRADING NOTES:**

1. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEERS SPECIFICATIONS. FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
2. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES.
3. CONTRACTOR SHALL BLEND EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
4. PORTIONS OF THE SITE NOT SPECIFICALLY MENTIONED WITHIN THE GEOTECHNICAL REPORT SHALL BE COMPACTED TO 95 PERCENT OF THE MATERIALS MAXIMUM DRY DENSITY WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT.
5. FILL SHALL BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS.
6. UNDISTURBED AREAS WITHIN 30' INGRESS/EGRESS EASEMENT NOT NEEDED FOR UTILITY ROUTING TO BE LEFT UNDISTURBED.
7. GROUND WATER SHOULD BE REASONABLY EXPECTED. ANY DE-WATERING OR MOISTURE CONDITIONING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE INCLUDED IN THE CONTRACT PRICE.
8. SEED ALL DISTURBED AREAS NOT TOPPED WITH GRAVEL PER SEEDING SCHEDULE ON DETAIL ON SHEET C5.
9. MAXIMUM CUT SLOPE = 2H:1V UNLESS OTHERWISE NOTED.
10. MAXIMUM FILL SLOPE = 3H:1V UNLESS OTHERWISE NOTED.

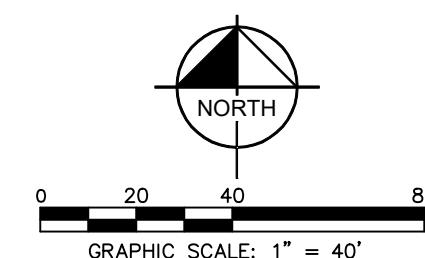
**LEGEND**

EXISTING CONTOURS	— — — — —
PROPOSED CONTOURS	— — — — —
LOD/SILT FENCE	— LOD — — //
TPF	— TPF — — TPF
EXISTING SPOT ELEVATION	× XXX
PROPOSED SPOT ELEVATION	● XXX



1  
C4

GRADING & EROSION CONTROL PLAN  
SCALE: 1" = 40'



**WSOC-TV**  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

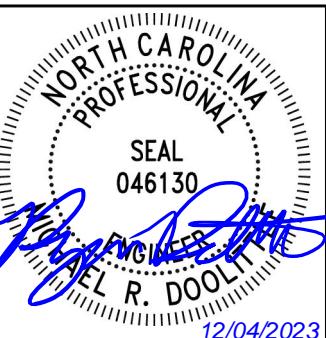
**Kimley»Horn**

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REV: DATE: ISSUED FOR: BY:

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A	06/09/23	CONSTRUCTION	MRD

LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: CHECKED BY:

FAQ ###

SHEET TITLE:

**GRADING AND EROSION CONTROL PLAN**

SHEET NUMBER:

**C4**

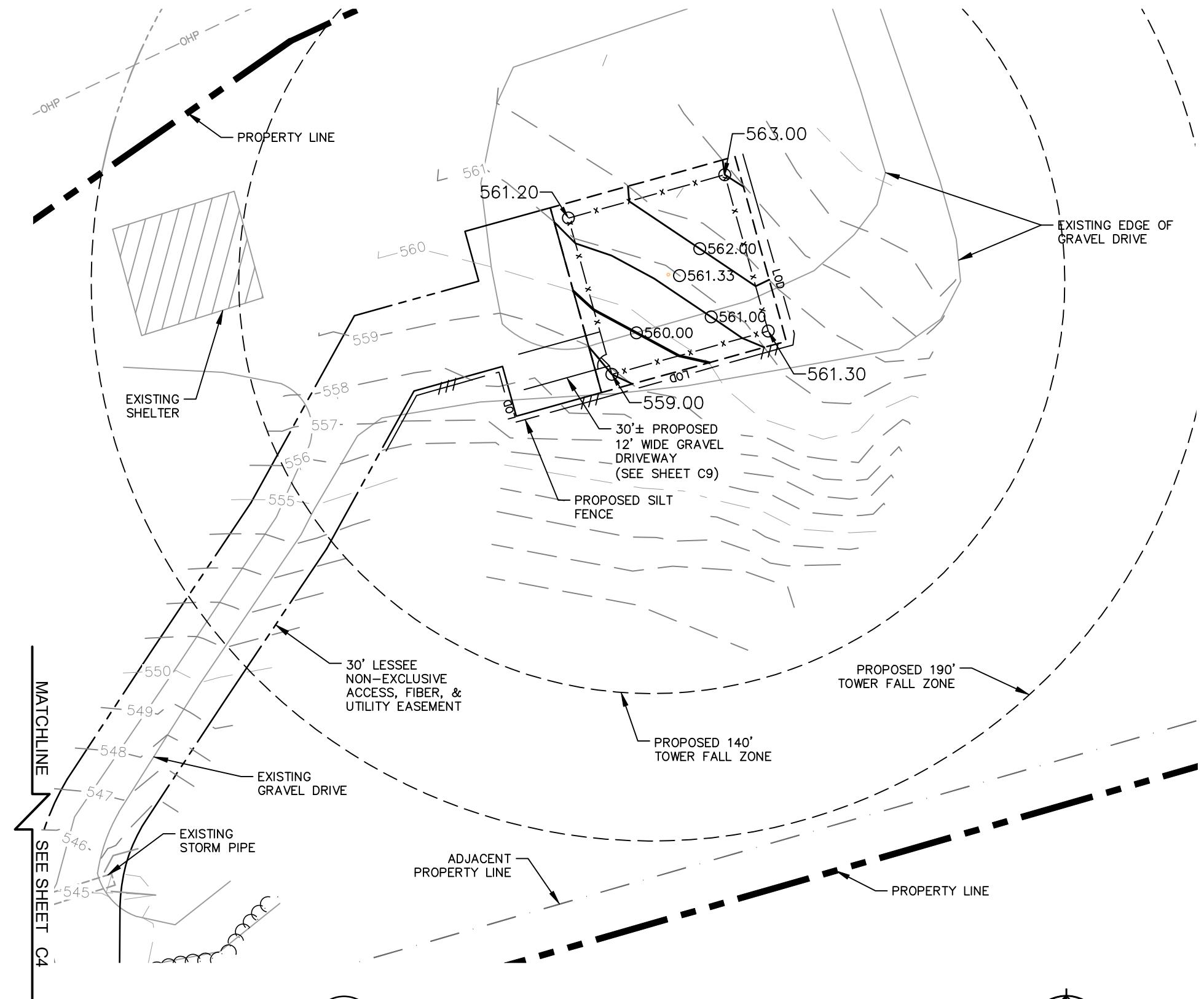
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**GRADING NOTES:**

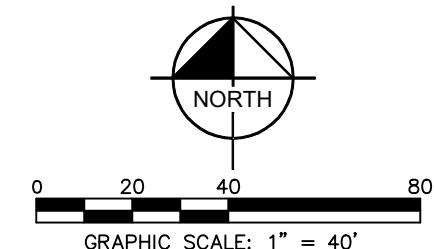
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2. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES.
3. CONTRACTOR SHALL BLEND EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
4. PORTIONS OF THE SITE NOT SPECIFICALLY MENTIONED WITHIN THE GEOTECHNICAL REPORT SHALL BE COMPACTED TO 95 PERCENT OF THE MATERIALS MAXIMUM DRY DENSITY WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT.
5. FILL SHALL BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS.
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8. SEED ALL DISTURBED AREAS NOT TOPPED WITH GRAVEL PER SEEDING SCHEDULE ON DETAIL ON SHEET C5.
9. MAXIMUM CUT SLOPE = 2H:1V UNLESS OTHERWISE NOTED.
10. MAXIMUM FILL SLOPE = 3H:1V UNLESS OTHERWISE NOTED.

**LEGEND**

EXISTING CONTOURS	— — — — —
PROPOSED CONTOURS	— — — — —
LOD/SILT FENCE	— LOD — — //
TPF	— TPF — — TPF
EXISTING SPOT ELEVATION	× XXX
PROPOSED SPOT ELEVATION	● XXX



1 C4.1 GRADING & EROSION CONTROL PLAN  
SCALE: 1" = 40'



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

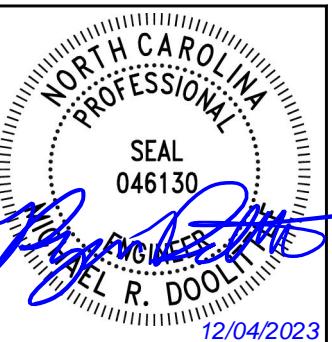
**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
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LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: CHECKED BY:

FAQ ###

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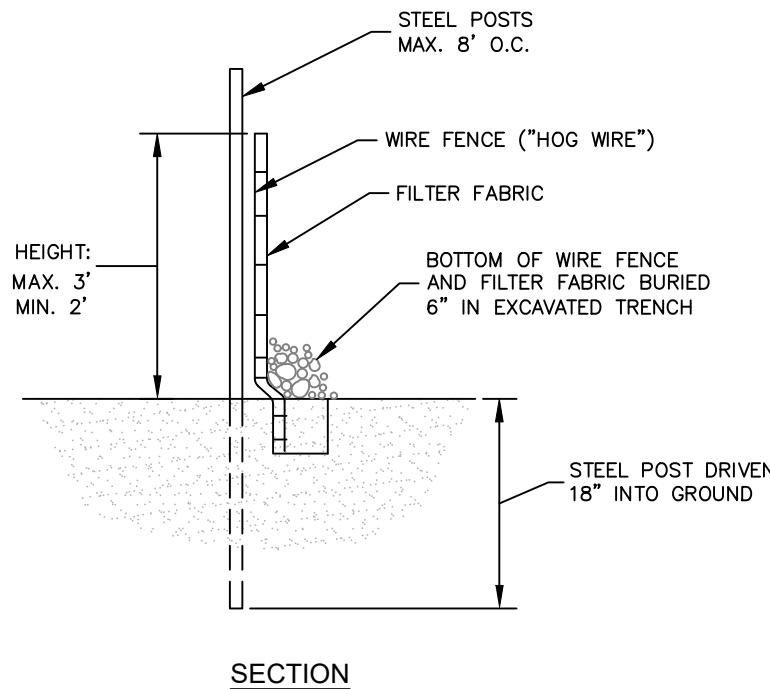
**GRADING AND EROSION CONTROL PLAN**

SHEET NUMBER:

C4.1

**EROSION CONTROL NOTES:**

1. EROSION CONTROLS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE ADEQUATE TO MAINTAIN SEDIMENT ON SITE.
2. ALL EXCAVATED SOILS NOT NEEDED ON SITE FOR BACKFILL OPERATIONS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE TAKEN OFF SITE AND LEGALLY DISPOSED OF.
3. SOIL REMAINING ON SITE SHALL HAVE SILT FENCE TIGHTLY PLACED AROUND THE ENTIRE CIRCUMFERENCE OF THE PILE.
4. PROVIDE EROSION CONTROLS AS NECESSARY TO PREVENT EXISTING SOILS FROM DRAINING OFF SITE OR INTO EXISTING DRAINAGE STRUCTURES.
5. ERECTION OF EROSION CONTROLS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL EROSION CONTROL REGULATIONS.



1  
C5

SEDIMENT FENCE (SILT FENCE)  
NOT TO SCALE

**SEEDING SCHEDULE FOR WINTER / SPRING CONSTRUCTION ACTIVITIES****SEEDING MIXTURE**

Species	Rate (lb/acre)
Rye (grain)	120
Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

**SEEDING DATES**

Mountains-- Above 2500 ft: Feb 15 - May 15  
Below 2500 ft: Feb. 1 - May 1  
Piedmont--Jan. 1 - May 1  
Coastal Plain--Dec. 1 - Apr. 15

**SOIL AMENDMENTS**

Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

**MULCH**

Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

**MAINTENANCE**

Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

**SEEDING SCHEDULE FOR SUMMER CONSTRUCTION ACTIVITIES****SEEDING MIXTURE**

Species	Rate (lb/acre)
Common Bermudagrass	40-80 (1-2 lb/1,000 sq.ft.)

**SEEDING DATES**

Coastal Plain--Apr. 1 - July  
Piedmont--Apr. 15 - June 30

**SOIL AMENDMENTS**

Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10-10-10 fertilizer.

**MULCH**

Use jute, excelsior matting, or other effective channel lining material to cover the bottom of channels and ditches. The lining should extend above the highest calculated depth of flow. On channel side slopes above this height, and in drainages not requiring temporary lining, apply 4,000 lb/acre grain straw and anchor straw by stapling netting over the top.

**MAINTENANCE**

A minimum of 3 weeks is required for establishment. Inspect and repair mulch frequently. Refertilize the following Apr. with 50 lb/acre nitrogen.

**PROJECT INFORMATION:**

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9599 JOHN WHITE ROAD  
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CABARRUS COUNTY

**PLANS PREPARED BY:**

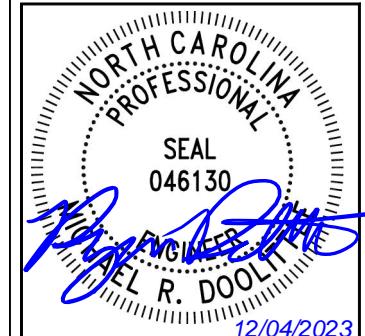
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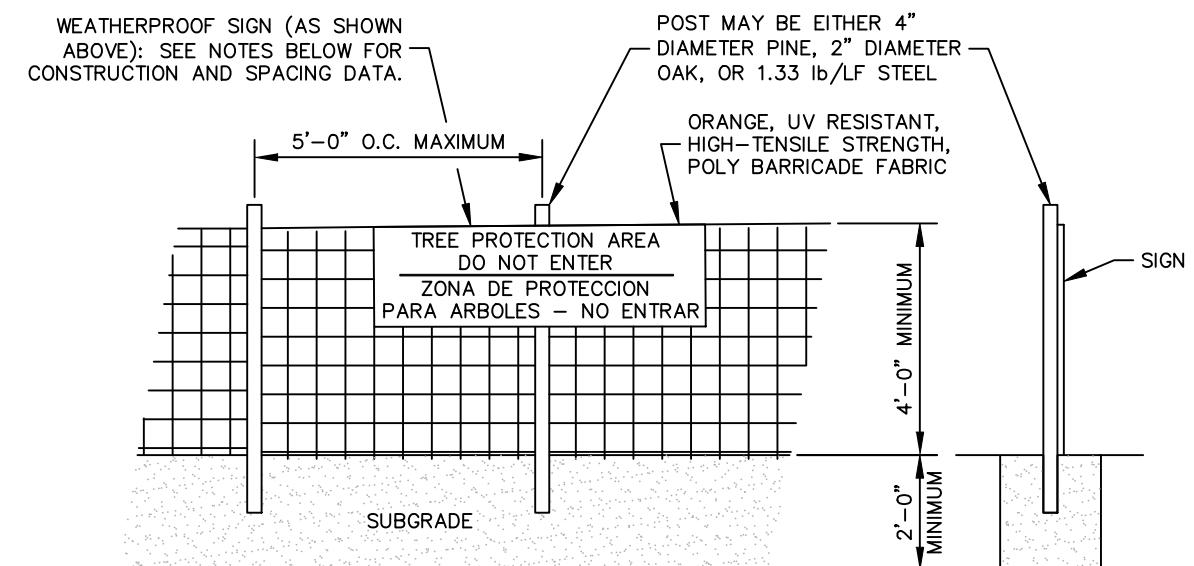
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FAQ  #

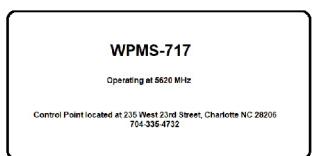
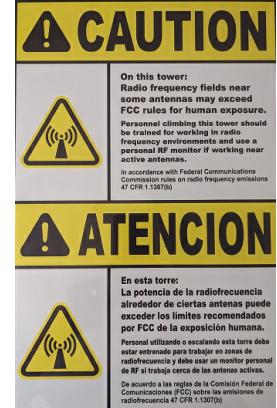
SHEET TITLE: **SEDIMENT AND EROSION CONTROL DETAILS**

SHEET NUMBER: **C5**



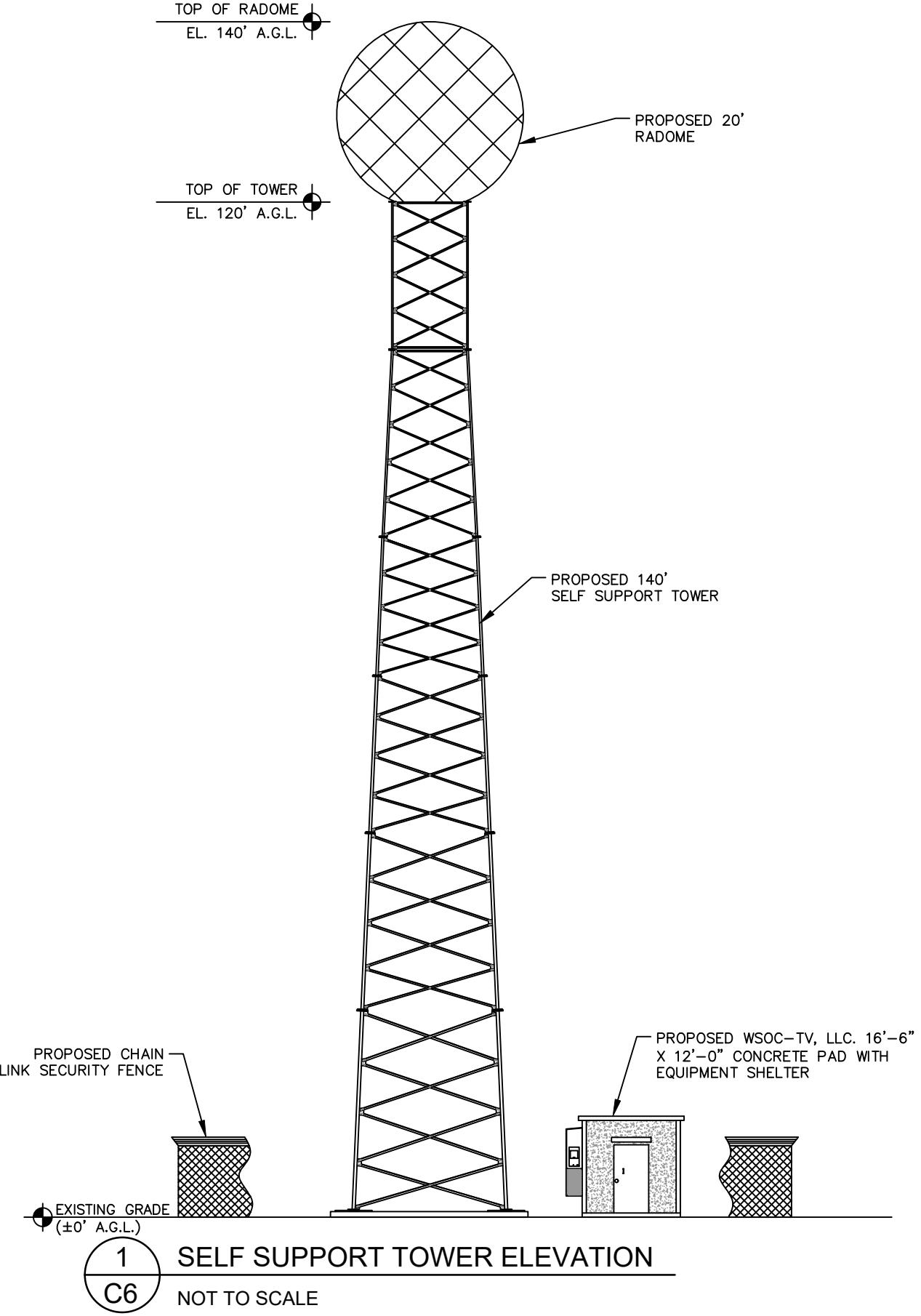
NOTES  
INSTALL TREE PROTECTION FENCE AND SIGNAGE PRIOR TO CALLING FOR SITE INSPECTION. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT. ADDITIONAL SIGNS MAY BE REQUIRED BASED ON ACTUAL FIELD CONDITIONS.

2  
C5  
NOT TO SCALE



**NOTES:**

1. ALL INFORMATION ON THIS PAGE IS PROVIDED BY WSOC-TV, LLC. AND/OR OTHERS AND IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL CONTACT THE WSOC-TV, LLC. CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION FOR ALL DETAILED ANTENNA, AND COAX CABLE INFORMATION.
2. REFER TO STRUCTURAL ANALYSIS BY TOWER OWNER FOR ANALYSIS OF PROPOSED TOWER.
3. IT IS UNDERSTOOD THAT KIMLEY-HORN MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS, OPINION, OR PROFESSIONAL ADVICE RELATING TO THE STRUCTURAL ADEQUACY OF THE PROPOSED TOWER OR ATTACHMENT OF ANTENNAS OR OTHER APPURTENANCES.
4. RADAR EQUIPMENT WILL OPERATE AT A FREQUENCY OF 5850 MHz.
5. NO COLOCATIONS OF ADDITIONAL EQUIPMENT ARE PERMITTED ON THE STRUCTURE.



PROJECT INFORMATION:

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PLANS PREPARED BY:

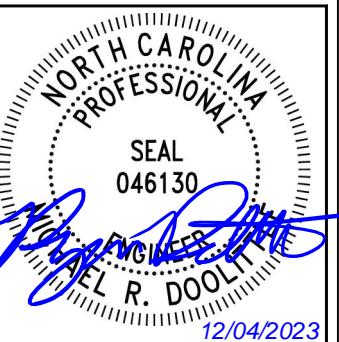
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KHA PROJECT NUMBER:

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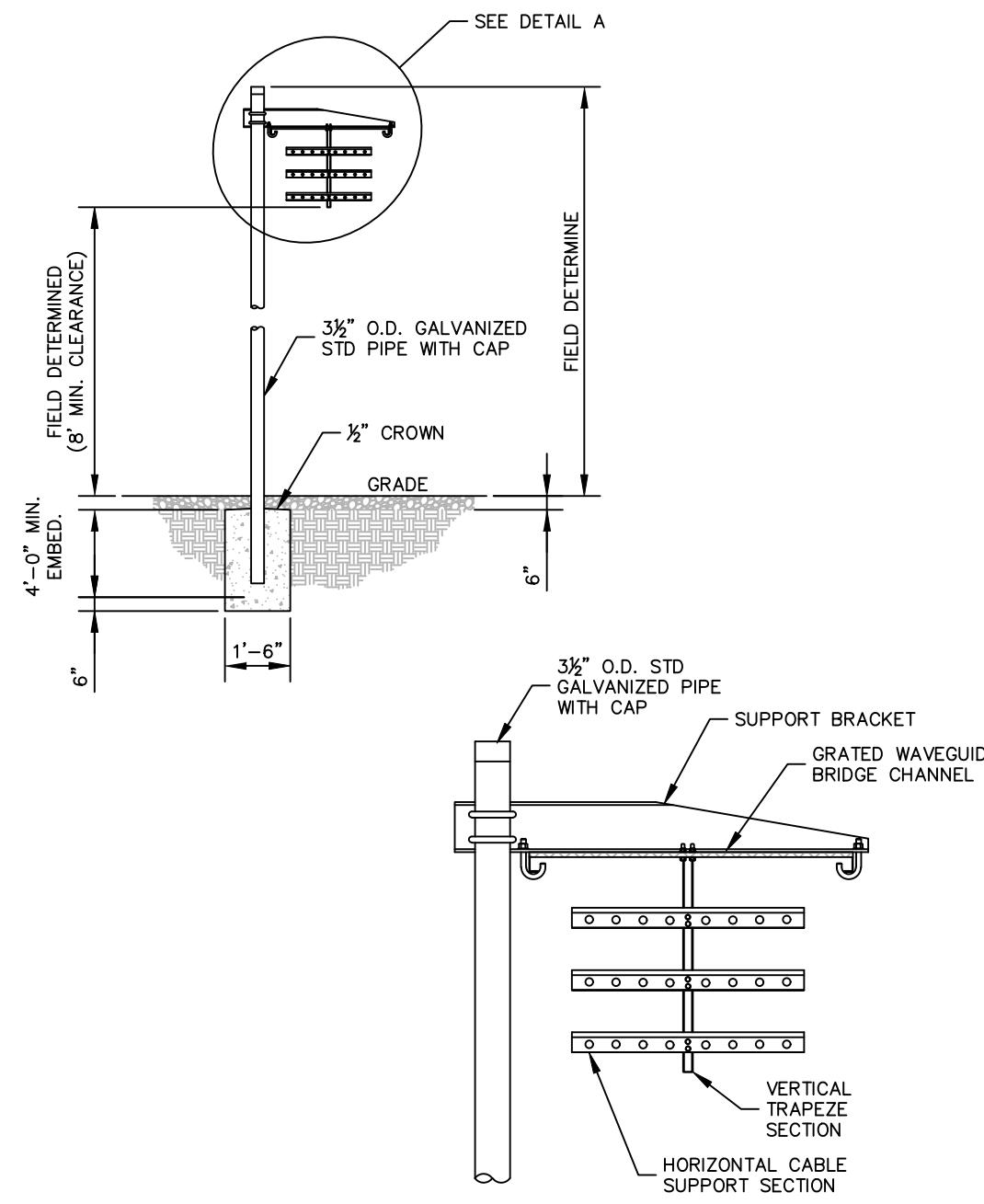
FAQ KRM

SHEET TITLE:

**DISH AND TOWER  
ELEVATION  
DETAILS**

SHEET NUMBER:

C6

**DETAIL A**

ANDREW 1 POST WAVEGUIDE BRIDGE  
KIT (PART #: WB-K210-B15, OR  
APPROVED EQUIVALENT)

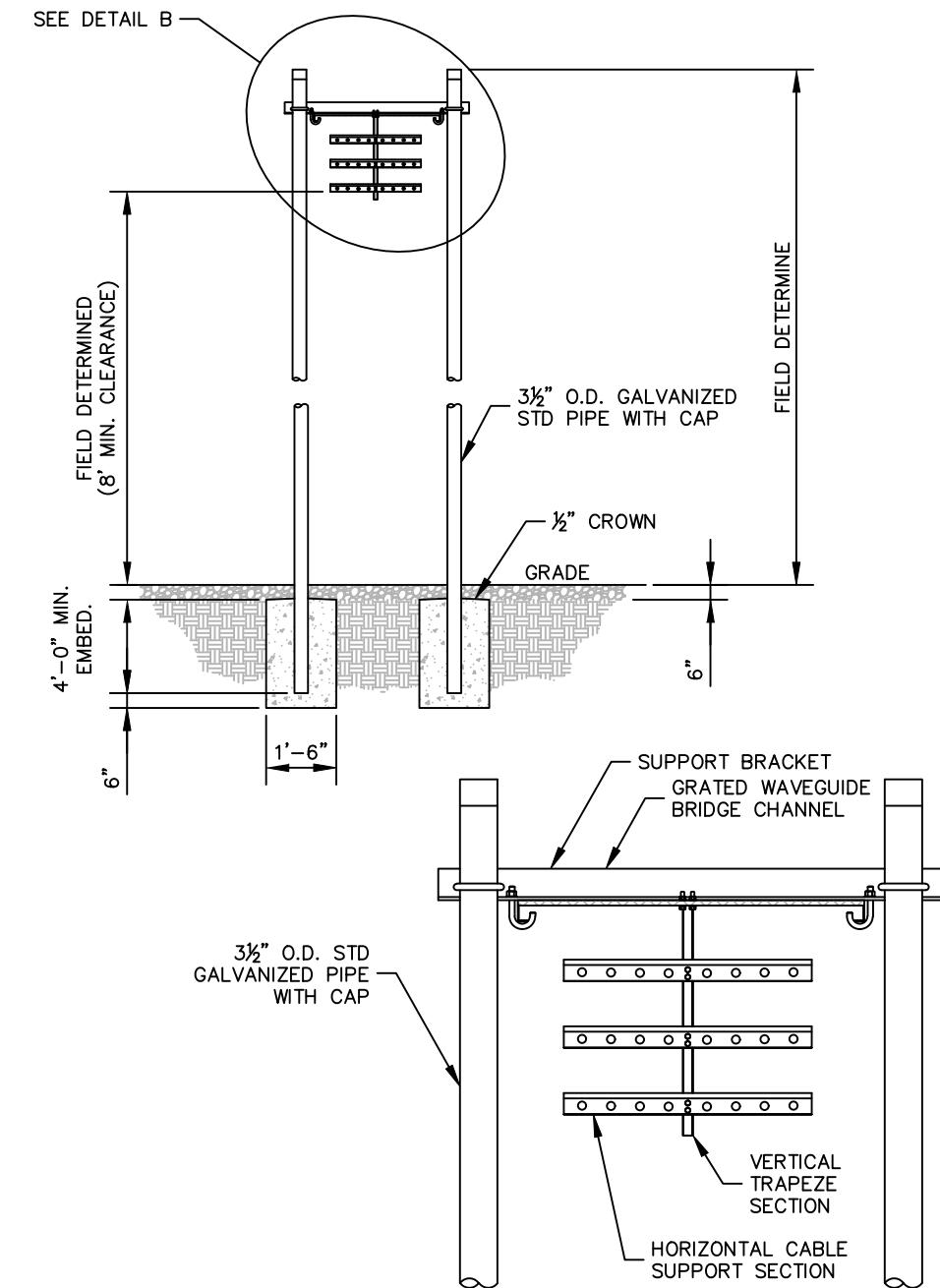
**NOTE:**

1. ALL MATERIALS FURNISHED BY CONTRACTOR  
UNLESS OTHERWISE NOTED.

1  
C7

**WAVEGUIDE BRIDGE DETAIL**

NOT TO SCALE

**DETAIL B**

ANDREW 2 POST WAVEGUIDE BRIDGE  
KIT (PART #: WB-K410-B15, OR  
APPROVED EQUIVALENT)

**NOTE:**

1. ALL MATERIALS FURNISHED BY CONTRACTOR  
UNLESS OTHERWISE NOTED.

2  
C7

**WAVEGUIDE BRIDGE DETAIL (ALT DESIGN - 2 PIPE COLUMNS)**

NOT TO SCALE



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

**PROJECT INFORMATION:**

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

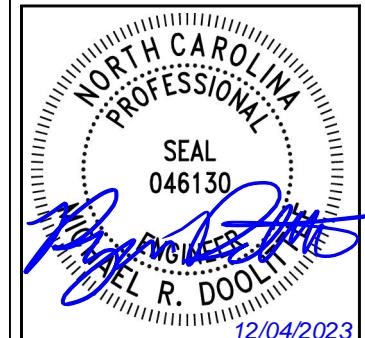
**PLANS PREPARED BY:**

**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
WWW.KIMLEY-HORN.COM  
NC License F-0102

REV: DATE: ISSUED FOR: BY:

7			
6	12/04/23	CONSTRUCTION	MRD
5	11/08/23	CONSTRUCTION	MRD
4	10/09/23	CONSTRUCTION	MRD
3	09/21/23	CONSTRUCTION	MRD
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1	07/12/23	CONSTRUCTION	MRD
0	06/15/23	CONSTRUCTION	MRD
A	06/09/23	CONSTRUCTION	MRD

**LICENSER:****KHA PROJECT NUMBER:**

016454000

DRAWN BY: CHECKED BY:

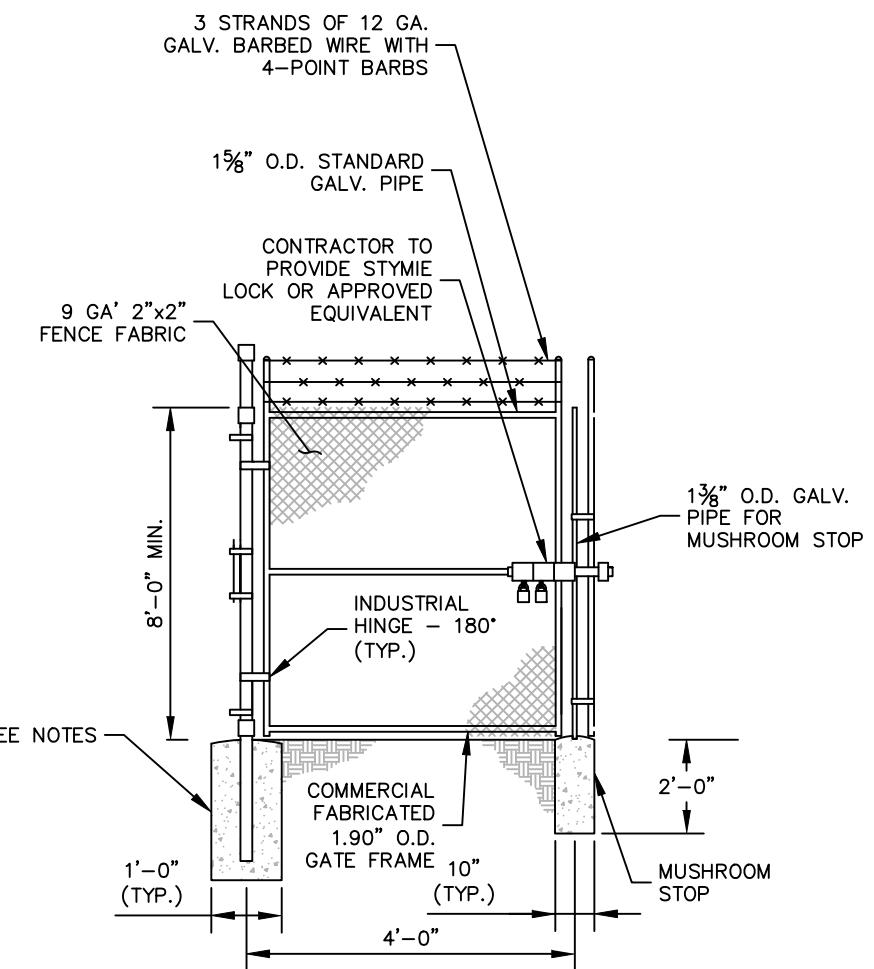
FAQ KRM

 **SHEET TITLE:****WAVEGUIDE  
BRIDGE DETAILS** **SHEET NUMBER:**

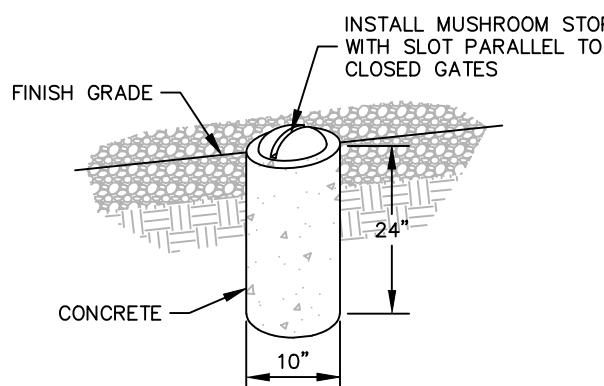
C7

## FENCE NOTES:

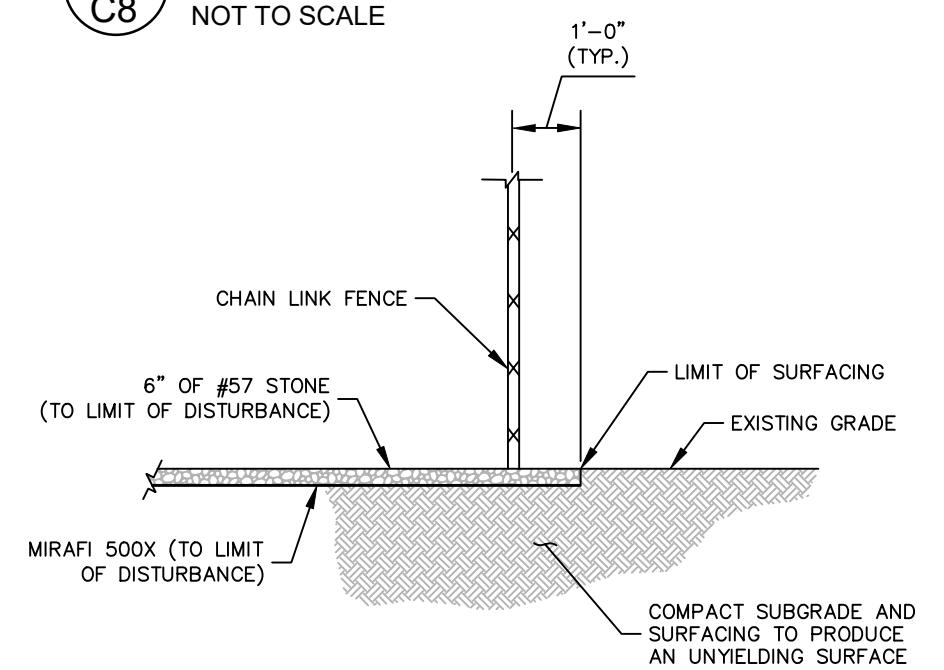
1. USE 3,000-PSI CONCRETE, FULLY CONSOLIDATED AROUND THE POST.
2. WHERE THE POST IS SET IN ROCK OR CONCRETE, CORE A HOLE 12" DEEP AND 1" LARGER IN DIAMETER THAN THE POST. SET THE POST AND GROUT IN PLACE USING NON-SHRINK GROUT.
3. ALL POSTS MUST BE PLUMB AND ALIGNED WITH ONE ANOTHER IN BOTH HORIZONTAL AND VERTICAL PLANES.
4. CORNERS AND GATEPOSTS FOR CHAIN LINK FENCES SHALL EXTEND ABOVE THE TOP STRAND OF BARBED WIRE TO PROVIDE TENSIONING FOR THE BARBED WIRE.
5. PROVIDE MIDRAILS AND BRACING AT ALL CORNER POSTS WHERE THE FENCE CHANGES DIRECTION BY MORE THAN 30 DEGREES.
6. THE GRADE OF THE SITE AND INSTALLATION OF THE FENCE SHALL PROVIDE FOR NO MORE THAN A 1" GAP BETWEEN THE BOTTOM OF THE FENCE MATERIAL AND FINISH GRADE.
7. CONTRACTOR SHALL PROVIDE HOLD OPEN DEVICES FOR ALL GATES AT THE SPECIFIED OPEN POSITIONS, DRIVEN PIPE TYPE RECEIVERS ARE NOT AUTHORIZED.
8. CONTRACTOR SHALL ALSO PROVIDE A MUSHROOM TYPE RECEIVER AT THE CLOSE POSITION.



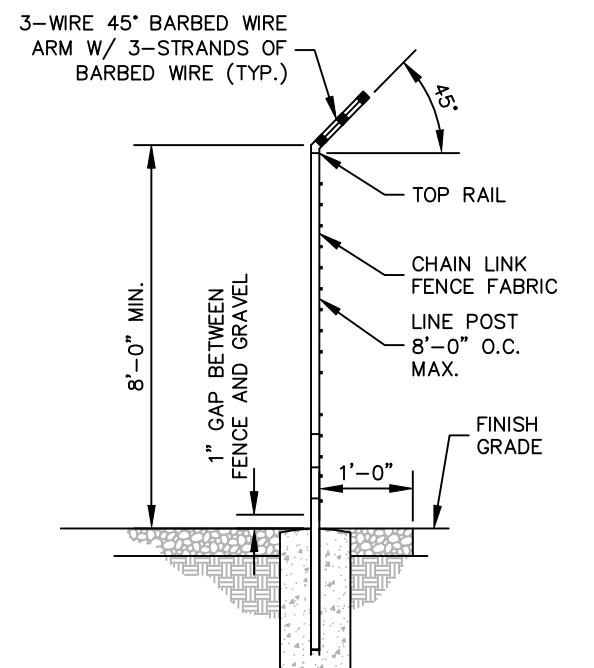
1 C8 CHAIN LINK FENCE AND GATE ELEVATION  
NOT TO SCALE



2 C8 MUSHROOM STOP  
NOT TO SCALE



3 C8 SITE COMPOUND SURFACE DETAIL  
NOT TO SCALE



4 C8 SECTION AT FENCE  
NOT TO SCALE



## PROJECT INFORMATION:

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WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

## PLANS PREPARED BY:

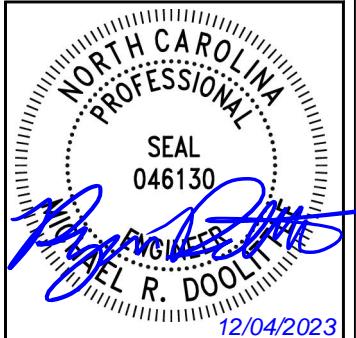
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A	06/09/23	CONSTRUCTION	MRD

LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: CHECKED BY:

FAQ KRM

SHEET TITLE:

**FENCE, GATE, AND  
COMPOUND  
DETAILS**

SHEET NUMBER:

C8



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

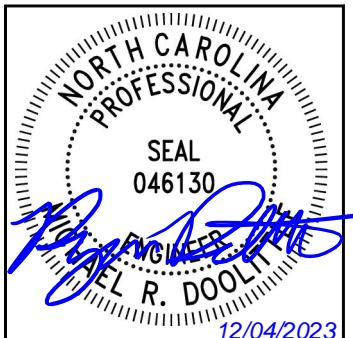
**Kimley»Horn**

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A	06/09/23	CONSTRUCTION MRD

LICENSER: \_\_\_\_



KHA PROJECT NUMBER: 016454000

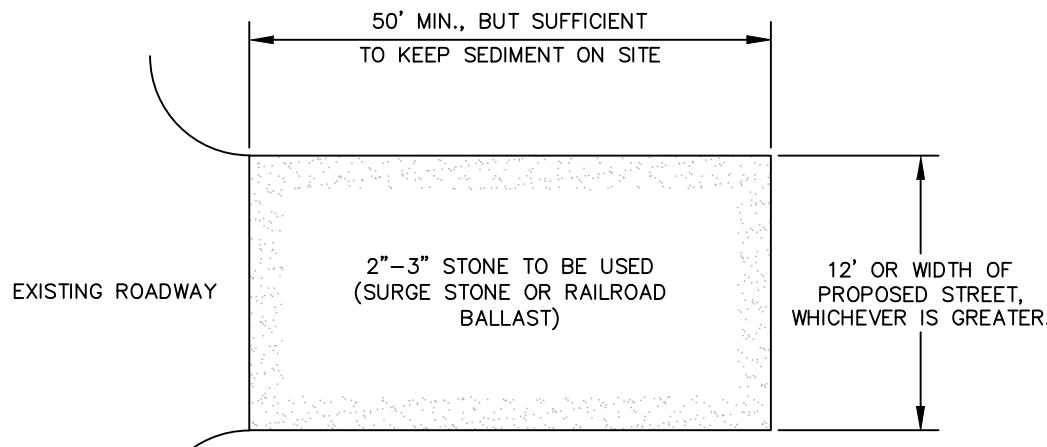
DRAWN BY: \_\_\_\_ CHECKED BY: \_\_\_\_

FAQ KRM

SHEET TITLE: ACEESS ROAD DETAILS

SHEET NUMBER: C9

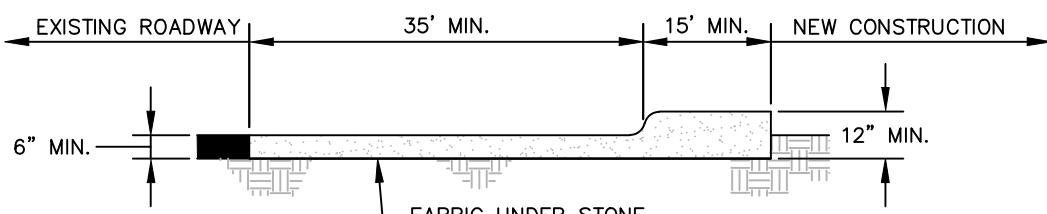
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PLAN

NOTES:

1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
3. IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE GOVERNING AUTHORITY WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM.



CROSS SECTION

1  
C9

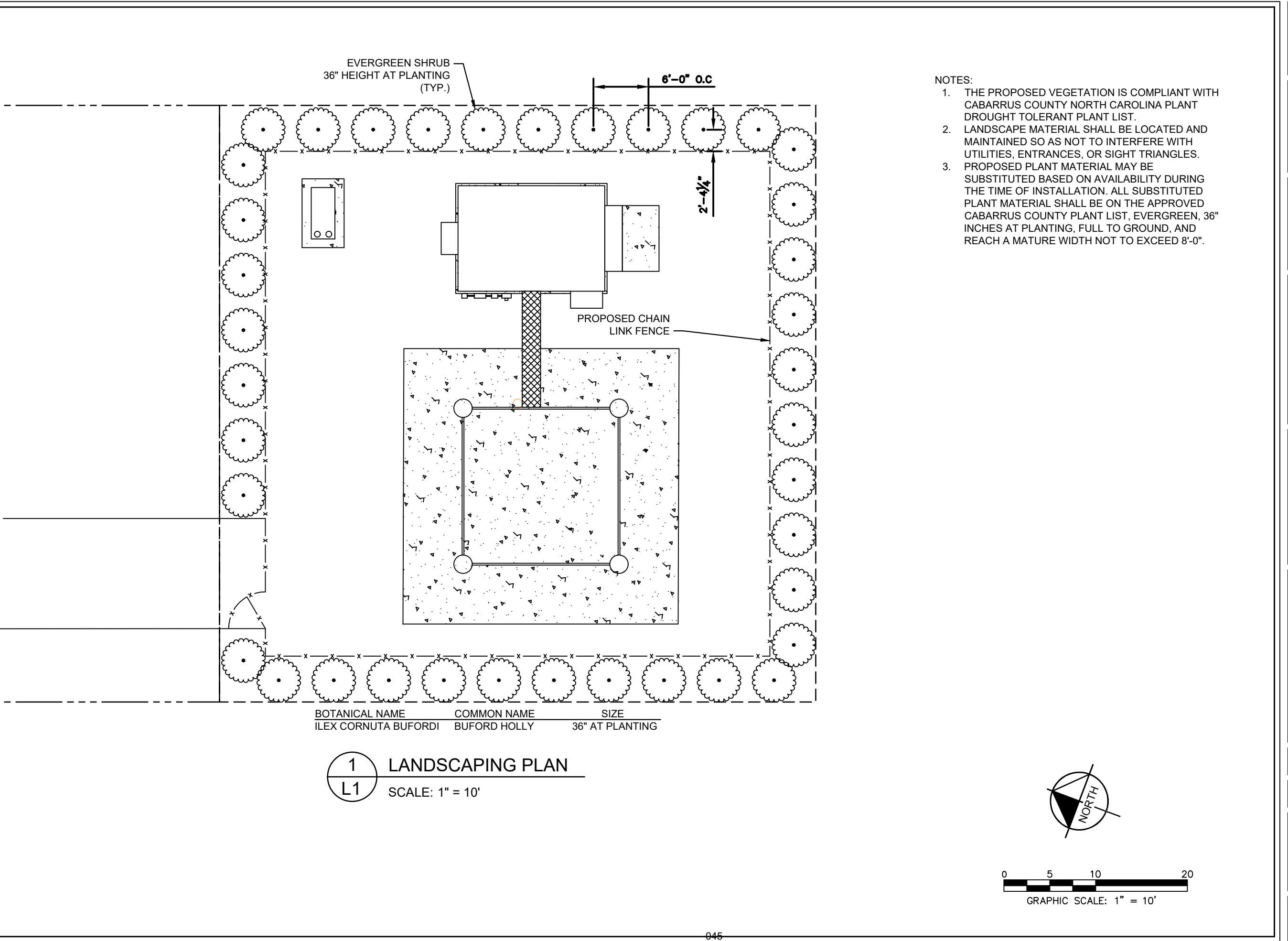
CONSTRUCTION ENTRANCE

NOT TO SCALE

2  
C9

STANDARD ACCESS ROAD AND TURN-AROUND DETAIL

NOT TO SCALE



PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

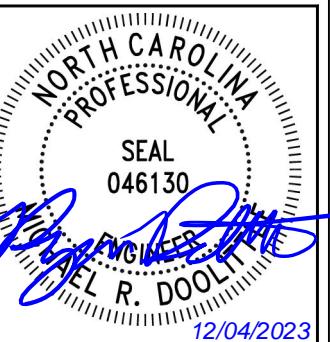
**Kimley»Horn**

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LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: CHECKED BY:

FAQ KRM

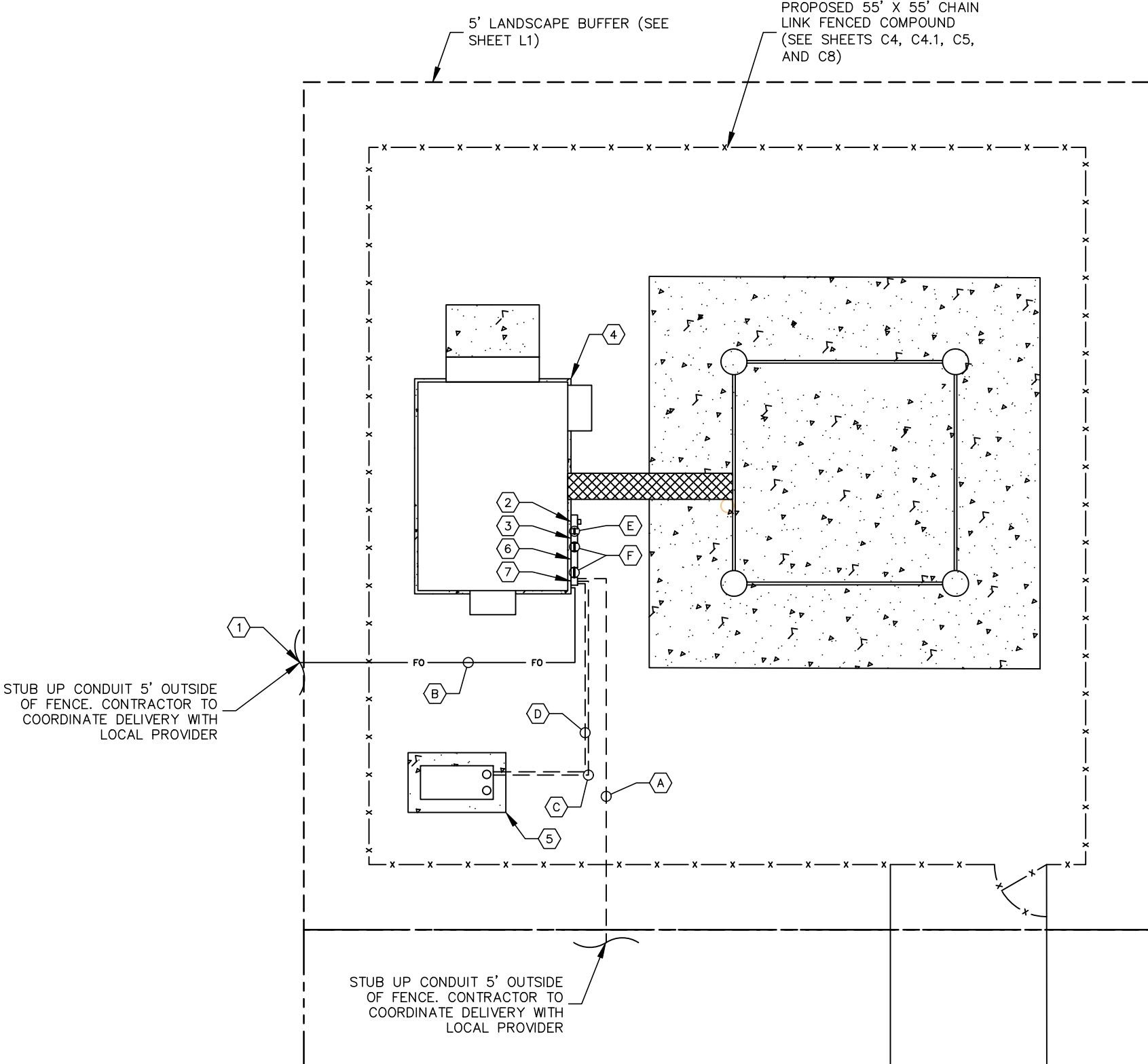
SHEET TITLE:

LANDSCAPING  
PLAN

SHEET NUMBER:

L1



1  
E2

## UTILITY SERVICE ROUTING PLAN

SCALE: 1" = 10'

### KEY NOTES - ELECTRICAL EQUIPMENT

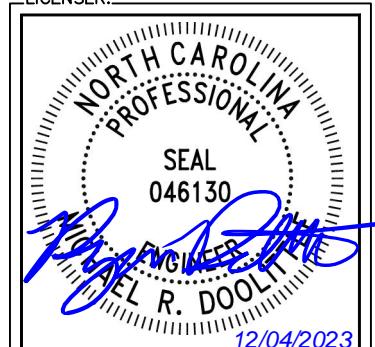
- ① PROPOSED LIT FIBER HANHOLE/PEDESTAL. (CONTRACTOR TO CONFIRM FINAL LOCATION).
- ② 240/120V, 200A METER NEMA 3R
- ③ 240/120V, 200A, SE RATED FUSED SERVICE DISCONNECT NEMA 3R
- ④ WSOC-TV, LLC. CONCRETE EQUIPMENT PAD (SEE SHEET C5).
- ⑤ WSOC-TV, LLC. CONCRETE GENERATOR PAD (SEE SHEET C5).
- ⑥ 240/120V, 200A ATS NEMA 3R
- ⑦ 240V, 200A RATED GENERATOR DISCONNECT

### KEY NOTES - CONDUIT, CONDUCTORS, & MISC.

- Ⓐ CONDUIT AND CONDUCTORS SIZED BY UTILITY FOR 240V, 200A, 1PH SERVICE
- Ⓑ TWO (2) 2" PVC FIBER CONDUIT, WITH TWO (2) PULL ROPES (SEE TRENCH DETAIL 2/E3).
- Ⓒ (3) 3/0, (1) #6 EG IN 2" PVC CONDUIT FOR ROUTING POWER CONDUCTOR TO THE GENERATOR. (SEE TRENCH DETAIL 2/E3).
- Ⓓ 1" PVC CONDUIT FOR ROUTING GENERATOR CONTROL AND ALARM SIGNAL CABLES TO THE GENERATOR (SEE TRENCH DETAIL 2/E3).
- Ⓔ (3) 3/0, (1) #4 SSBJ, 2" C
- Ⓕ (3) 3/0, (1) #6 EG, 2" C

REV:	DATE:	ISSUED FOR:	BY:
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KHA PROJECT NUMBER:

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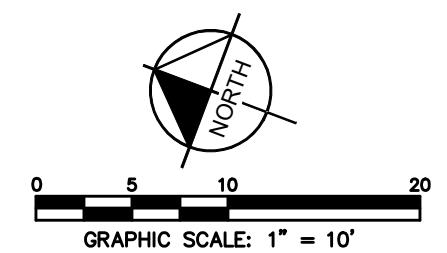
FAQ KRM

SHEET TITLE:

## UTILITY SERVICE ROUTING PLAN

SHEET NUMBER:

E2



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

PROJECT INFORMATION:

SITE NAME:  
WSOC-TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
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235 WEST 23RD STREET  
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PLANS PREPARED BY:

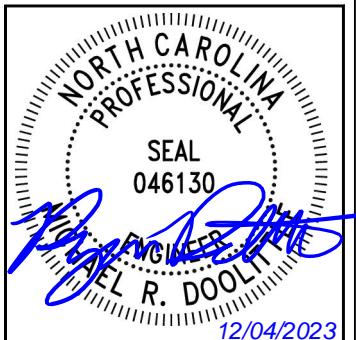
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A	06/09/23	CONSTRUCTION	MRD

LICENSER: \_\_\_\_



KHA PROJECT NUMBER:

016454000

DRAWN BY: \_\_\_\_ CHECKED BY: \_\_\_\_

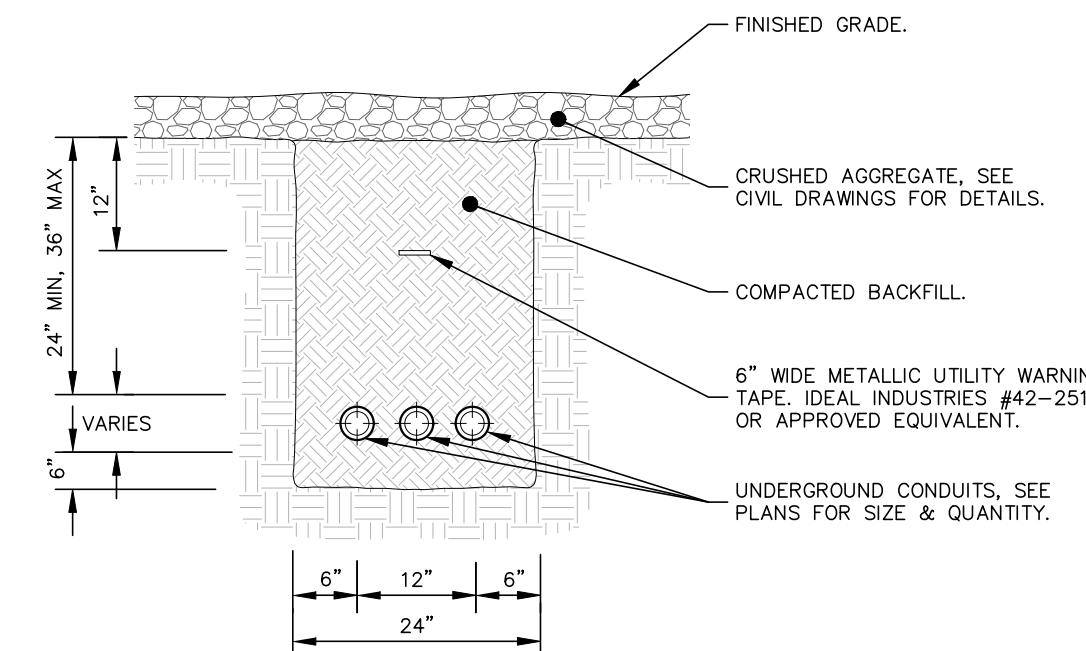
FAQ KRM

SHEET TITLE:

ELECTRICAL  
DETAILS

SHEET NUMBER:

E3



NOTES:

1. IF GROUND SURFACE IS OTHER THAN NEWLY GRAVELED AREA. CONTRACTOR IS TO RESTORE TO ORIGINAL CONDITION.
2. PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
3. PROVIDE SCHEDULE 40 OR SCHEDULE 80 PVC CONDUIT & ELBOWS AT STUB UP LOCATIONS (I.E. POLES, EQUIPMENT, ETC.)
4. PROVIDE SCHEDULE 80 PVC CONDUIT BELOW PARKING LOTS AND ROADWAYS.

**1 DRIP LOOP DETAIL**

NOT TO SCALE

**2 TYPICAL TRENCH DETAIL**

NOT TO SCALE



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

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PLANS PREPARED BY:

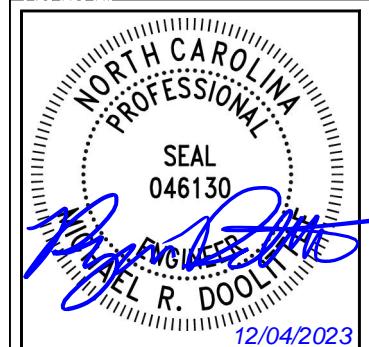
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A	06/09/23	CONSTRUCTION

LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

FAQ KRM

SHEET TITLE:

## GROUNDING NOTES

SHEET NUMBER:

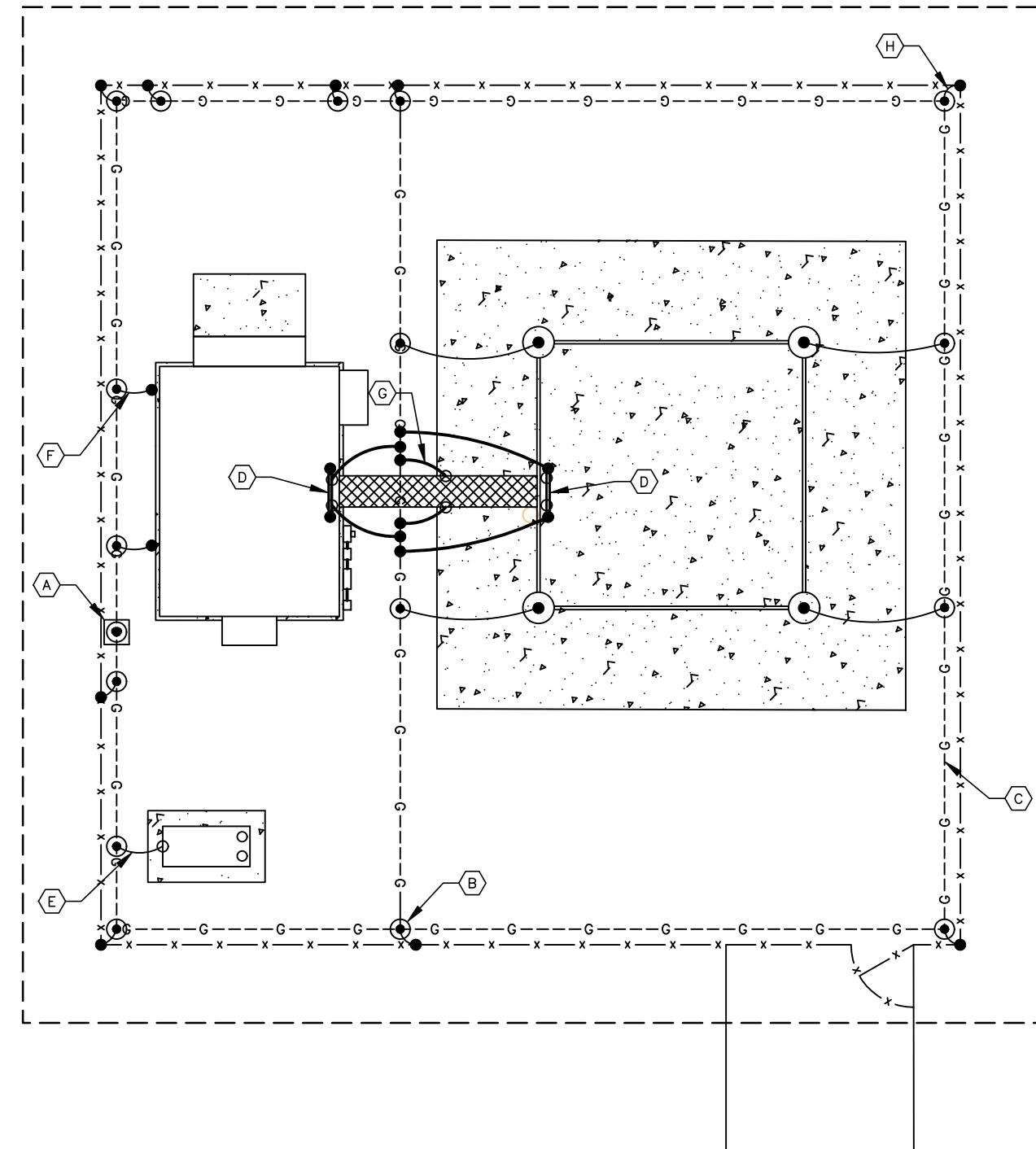
E4

## GROUNDING NOTES

- THE GROUND RING SHALL CONSIST OF #2 AWG BARE SOLID TINNED COPPER (STC) CONDUCTOR, UNLESS NOTED OTHERWISE, BURIED AT 30" BELOW FINISHED GRADE (OR BELOW FROST LINE). LOCATE 24" MINIMUM AND 36" MAXIMUM FROM EQUIPMENT PAD AND FROM TOWER FOUNDATION. ALL CONNECTIONS SHALL BE MADE USING A PARALLEL TYPE EXOTHERMIC WELD, UNLESS NOTED OTHERWISE.
- INSTALL GROUND RODS AS SHOWN AND AS REQUIRED. GROUND RODS TO BE COPPER CLAD STEEL, 5/8" DIAMETER AND 10FT IN LENGTH. SPACING BETWEEN GROUND RODS SHALL BE 10FT MINIMUM AND 15FT MAXIMUM. TOP OF GROUND ROD TO BE 30" MINIMUM BELOW GRADE (OR BELOW FROST LINE). BOND TOP OF GROUND ROD TO GROUND WIRE WITH EXOTHERMIC WELD. DO NOT EXOTHERMICALLY WELD ANYTHING TO GROUND ROD EXCEPT GROUND WIRE WHICH PASSES OVER TOP OF GROUND ROD (CLAMPED CONNECTIONS TO GROUND ROD PER TOWER MANUFACTURERS DETAILS ARE ACCEPTABLE).
- EQUIPMENT GROUND RING SHALL HAVE A MINIMUM OF 4 GROUND RODS, INSTALLED AT THE CORNERS OF THE GROUND RING PLUS ADDITIONAL RODS AS REQUIRED TO COMPLY WITH THE SPACING REQUIREMENTS.
- EQUIPMENT GROUND RING AND TOWER GROUND RING SHALL BE BONDED TOGETHER WITH TWO #2 STC GROUND LEADS, TYPICALLY ONE ON EACH SIDE OF ICE BRIDGE.
- MINIMUM BEND RADIUS FOR #2 AWG GROUND WIRE IS 12", EXCEPT USE 24" FOR EQUIPMENT PAD GROUND RINGS.
- GROUND ALL EXTERIOR EXPOSED METAL OBJECTS. USE TWO HOLE LUGS FOR CONNECTION TO FLAT METAL SURFACES. USE ONLY STAINLESS STEEL HARDWARE ON ALL MECHANICAL CONNECTIONS. CLEAN ALL SURFACES (AND STRIP PAINTED SURFACES) TO BARE BRIGHT METAL PRIOR TO MAKING GROUND CONNECTIONS. APPLY ANTI-OXIDE COMPOUND TO ALL CONNECTIONS. APPLY ZINC RICH PAINT (COLD GALV.) TO ALL EXOTHERMIC WELDS, AND TO ANY METAL EXPOSED BY CLEANING, STRIPPING, GRINDING, CUTTING OR DRILLING.
- ALL GROUNDING CONDUCTORS ABOVE GRADE SHALL BE RUN IN 3/4" FLEXIBLE PVC CONDUIT. CONDUIT SHALL BEGIN WITHIN 3/4" OF ABOVE GROUND CONNECTION POINT, SHALL EXTEND 24" BELOW GRADE MINIMUM, AND SHALL BE FILLED WITH SEALANT AT ABOVE GROUND CONNECTION POINT. SECURE CONDUIT EVERY 24" ON VERTICAL RUNS AND EVERY 36" ELSEWHERE WITH NON-METALLIC TIES.
- AT GUYED AND SELF SUPPORT TOWERS MOUNT TDGSA-PA14 TOWER BOTTOM GROUND BAR ON DEDICATED POST DIRECTLY BELOW COAX CABLES COMING OFF TOWER. POST TO BE 3.5" OD GALVANIZED SCHEDULE 40 PIPE WITH GALVANIZED PIPE CAP. TOP OF POST TO BE 78" ABOVE GRADE. EMBED POST 30" MINIMUM IN 12" DIAMETER BY 36" DEEP MINIMUM CONCRETE FOOTING WITH TOP OF FOOTING 6" BELOW GRADE. IF TOWER FOUNDATION OBSTRUCTS AUGERED FOOTING, USE POST WITH 10" SQUARE GALVANIZED STEEL FLANGE PLATE WELDED TO BOTTOM AND BOLT FLANGE TO TOP OF CONCRETE TOWER FOOTING.
- AT MONPOLE TOWERS CLAMP TDGSA-BC14 TOWER BOTTOM GROUND BAR DIRECTLY TO TOWER. IF RUNNING COAX INSIDE MONPOLE, CLAMP ONTO BOTTOM LIP OF EXIT PORT. IF BANDING COAX TO OUTSIDE OF TOWER, CLAMP ONTO STEEL ANGLE WHICH IS BANDED TO TOWER. BOND TDGSA-BC14 TO TOWER GROUND RING WITH TWO #2 STC LEADS LUGGED TO GROUND BAR AND EXOTHERMICALLY WELDED TO GROUND RING.
- AT EQUIPMENT AREA, INSTALL TDGSA-PA14 EXTERIOR GROUND BAR (THRU-BOLTED STYLE) AT BASE OF (2) INTERIOR H-FRAME POSTS

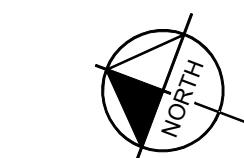
AND AT TOP OF ICE BRIDGE POST WHICH IS NEAREST TO (BUT CLOSER TO TOWER THAN) THE COAX CABLE TERMINATION. MOUNT GROUND BAR TO H-FRAME POSTS AT 6" ABOVE GRAVEL AND TO ICE BRIDGE POST AT 6FT ABOVE GRAVEL.

- ALL ICE BRIDGE SECTIONS ARE TO BE JUMPERED TOGETHER WITH #2 WIRE, EITHER BARE TINNED COPPER OR GREEN INSULATED STRANDED. ICE BRIDGE SHALL BE GROUNDED AT EACH END WITH #2 STC WIRE LUGGED TO ICE BRIDGE AND EXOTHERMICALLY WELDED TO UPPER PORTION OF NEAREST ICE BRIDGE POST. ICE BRIDGE SECTIONS ABOVE H-FRAME SHALL BE BONDED TO EACH OTHER WITH JUMPERS AT EACH END - THIS ASSEMBLY WILL BE CONSIDERED AS A SINGLE ICE BRIDGE SECTION FOR GROUNDING PURPOSES.
- BOND EACH ICE BRIDGE POST, H-FRAME POST OR DEDICATED GROUNDING POST TO BURIED GROUNDING SYSTEM WITH #2 STC LEAD EXOTHERMICALLY WELDED TO POST BELOW TOP OF GRAVEL AND EXOTHERMICALLY WELDED TO GROUND RING. EACH POST TO HAVE SEPARATE GROUND LEAD DIRECTLY TO GROUND RING - DO NOT DAISY CHAIN POSTS TOGETHER.
- BOND GENERATOR TO GROUND RING WITH #2 STC AT TWO DIAGONALLY OPPOSITE LOCATIONS BY DRILLING AND BOLTING TWO HOLE LUG TO FINS ON GENERATOR BASE STRUCTURE. GROUND LEADS SHOULD TAKE SHORTEST PATH ACROSS CONCRETE PAD TO GRAVEL AREA, THEN CONTINUE TO GROUND RING.
- BOND GPS ANTENNA AND GPS ANTENNA MOUNT TO TSDGA GROUND BAR AT BOTTOM OF H-FRAME POST WITH #2 GREEN INSULATED STRANDED GROUND WIRE.
- ANY METAL FENCE POST WITHIN 6FT OF A GROUNDED METAL OBJECT SHALL BE BONDED TO THE EQUIPMENT GROUND RING WITH #2 STC CLAMPED OR EXOTHERMICALLY WELDED TO THE POST AND EXOTHERMICALLY WELDED TO GROUND RING. ANY FENCE WITH METAL LINE POSTS WITHIN 6FT OF THE GROUND RING SHALL HAVE THE LINE POSTS BONDED TO THE GROUND RING WITH #2 STC WITH #2 STC CLAMPED OR EXOTHERMICALLY WELDED TO THE POST AND EXOTHERMICALLY WELDED TO GROUND RING AT 20FT MAXIMUM INTERVALS AS MEASURED ALONG THE LENGTH OF THE FENCE.
- NOTIFY WSOC TV, LLC. TO INSPECT GROUND RING BEFORE BACKFILLING. CONTRACTOR SHALL HIRE A 3RD PARTY TO PERFORM AN IEEE81 FALL OF POTENTIAL METHOD GROUND TEST. MAXIMUM ALLOWABLE RESISTANCE TO GROUND IS 5 OHMS. PROVIDE ADDITIONAL GROUND SYSTEM COMPONENTS AS REQUIRED TO ACHIEVE THIS VALUE.
- REFER TO TOWER GROUNDING DIAGRAM AND NOTES FOR GROUND SYSTEM REQUIREMENTS ON THE TOWER.
- GROUNDING OF ALL ELECTRICAL EQUIPMENT SHALL BE AS PER NEC, MUNICIPAL AND UTILITY COMPANY REQUIREMENTS.
- BOND SHELTER TO EQUIPMENT GROUND RING WITH #2 AWG TINNED SOLID BARE COPPER CONDUCTOR LUGGED TO SHELTER BODY AND EXOTHERMICALLY WELDED TO GROUND RING.



1 GROUNDING PLAN  
E5 SCALE: 1" = 10'

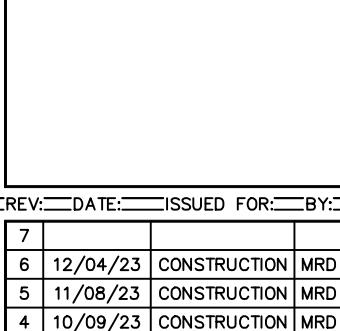
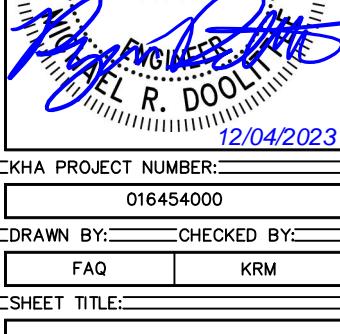
SCALE: 1" = 10



A horizontal scale bar with tick marks at 0, 5, 10, and 20. Below the scale bar is the text "GRAPHIC SCALE: 1" = 10'.

## **KEY NOTES - GROUNDING EQUIPMENT**

- (A) GROUND ROD TEST WELL. (SEE DETAIL 1/E6).
- (B) GROUND ROD, TYPICAL.  
(SEE DETAIL 2/E10 AND NOTES 2 & 3 ON SHEET E4).
- (C) EQUIPMENT GROUND RING.  
(SEE NOTES 1, 3, 4, 5, 6, & 7 ON SHEET E4).
- (D) TDSGA-PA14 OR TDSGA-BC14 WHERE APPLICABLE.  
(SEE NOTES 8A, 8B, & 9 ON SHEET E4).
- (E) GENERATOR GROUNDING. (SEE NOTE 12 ON SHEET E4).
- (F) SHELTER GROUNDING. (SEE NOTE 18 ON SHEET E4).
- (G) ICE BRIDGE POST BONDED TO GROUND RING, TYPICAL.  
(SEE NOTES 10 & 11 ON SHEET E4).
- (H) FENCE POST GROUNDING, TYPICAL.  
(SEE NOTE 14 ON SHEET E4).
- (I) REFER TO SHEETS E4, E6, & E7 FOR GROUNDING NOTES,  
DETAILS, AND SPECIFICATIONS.

 <b>WSOC-TV</b> 235 WEST 23RD STREET CHARLOTTE, NORTH CAROLINA 28206																																							
<b>PROJECT INFORMATION:</b>																																							
SITE NAME: <b>WSOC TV, LLC. RADAR TOWER          (5850 MHZ)</b>																																							
9599 JOHN WHITE ROAD MIDLAND, NC 27312 CABARRUS COUNTY																																							
<b>PLANS PREPARED BY:</b>																																							
<b>Kimley»Horn</b>																																							
421 FAYETTEVILLE STREET, SUITE 600 RALEIGH, NC 27601 PHONE: 919-677-2000 WWW.KIMLEY-HORN.COM NC License F-0102																																							
																																							
<b>REV:</b> _____ <b>DATE:</b> _____ <b>ISSUED FOR:</b> _____ <b>BY:</b> _____																																							
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<b>LICENSER:</b>																																							
 <i>R. Doolittle</i> 12/04/2023																																							
<b>KHA PROJECT NUMBER:</b>																																							
016454000																																							
<b>DRAWN BY:</b> _____ <b>CHECKED BY:</b> _____																																							
FAQ		KRM																																					
<b>SHEET TITLE:</b>																																							
<b>GROUNDING PLAN</b>																																							
<b>SHEET NUMBER:</b>																																							
<b>E5</b>																																							



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

PLANS PREPARED BY:

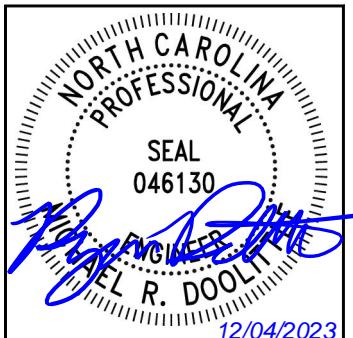
**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
WWW.KIMLEY-HORN.COM  
NC License F-0102

REV: DATE: ISSUED FOR: BY:

7			
6	12/04/23	CONSTRUCTION	MRD
5	11/08/23	CONSTRUCTION	MRD
4	10/09/23	CONSTRUCTION	MRD
3	09/21/23	CONSTRUCTION	MRD
2	08/14/23	CONSTRUCTION	MRD
1	07/12/23	CONSTRUCTION	MRD
0	06/15/23	CONSTRUCTION	MRD
A	06/09/23	CONSTRUCTION	MRD

LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: CHECKED BY:

FAQ KRM

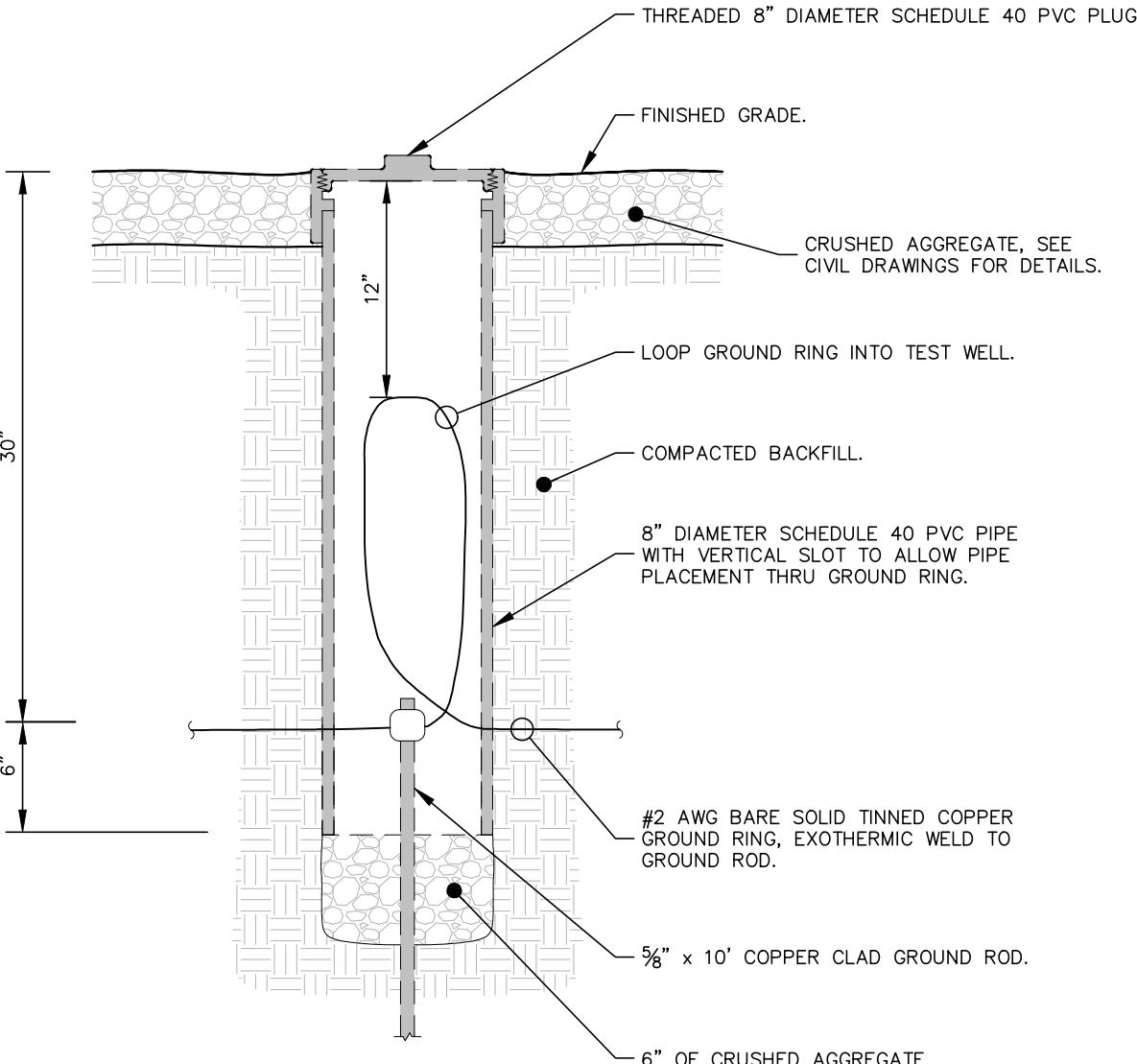
SHEET TITLE:

**GROUNDING DETAILS**

SHEET NUMBER:

E6

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1  
E6

**GROUND ROD TEST WELL DETAIL**

NOT TO SCALE

2  
E6

**GROUND ROD INSTALLATION DETAIL**

SCALE: NTS



WSOC-TV  
235 WEST 23RD STREET  
CHARLOTTE, NORTH CAROLINA 28206

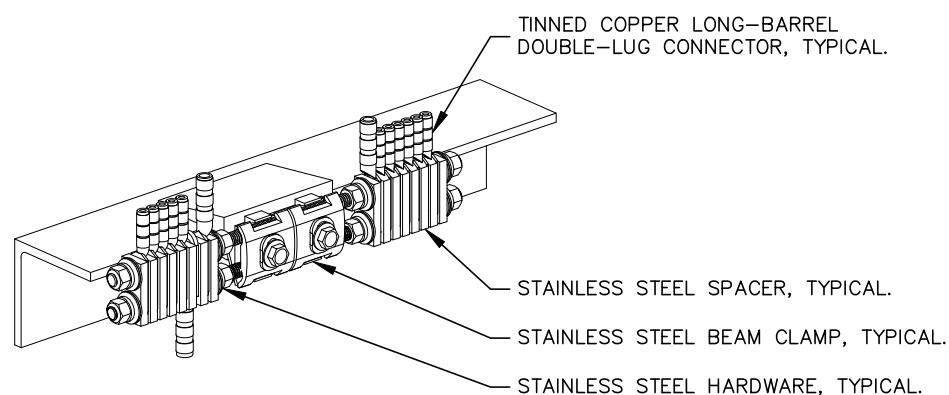
PROJECT INFORMATION:

SITE NAME:  
WSOC TV, LLC. RADAR TOWER  
(5850 MHZ)  
9599 JOHN WHITE ROAD  
MIDLAND, NC 27312  
CABARRUS COUNTY

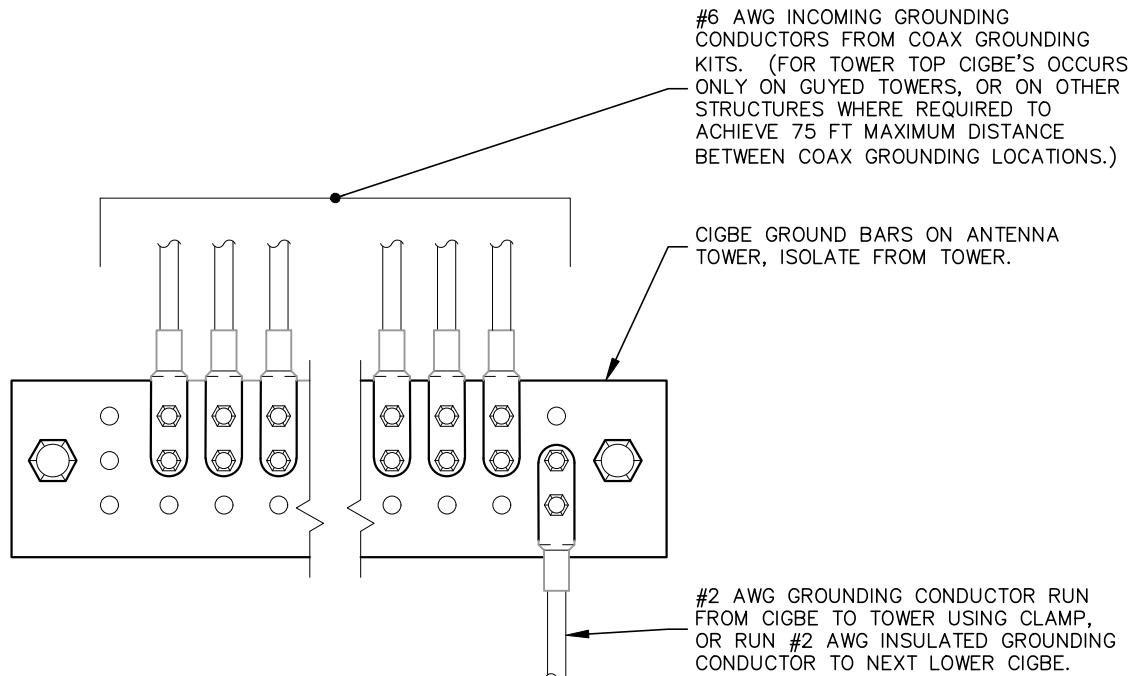
PLANS PREPARED BY:

**Kimley»Horn**

421 FAYETTEVILLE STREET, SUITE 600  
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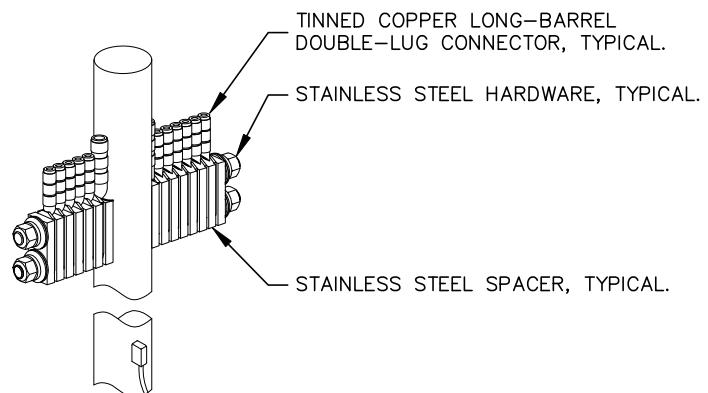
1 BAR NONE GROUNDED BEAM CLAMP (TDSGA-BC14)  
E7 SCALE: NTS



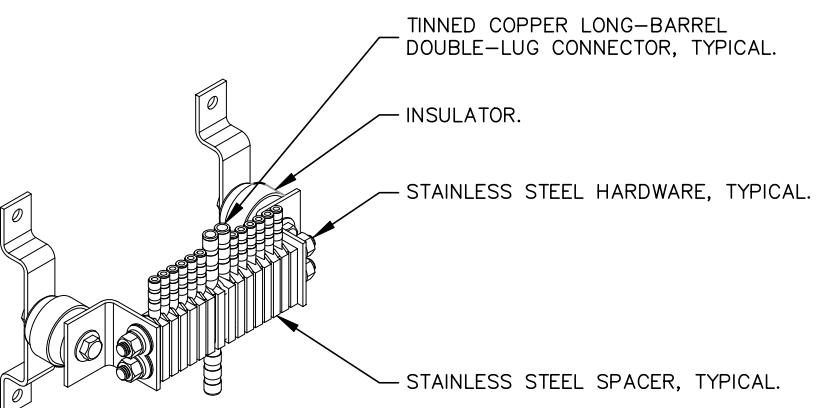
3 E7 ANTENNA GROUND WIRE INSTALLATION DETAIL  
SCALE: NTS

NOTES:

1. ALL CIGBE GROUND BARS ON TOWER ARE TO BE ERICO TDSGA. TYPICALLY USE TDSGA-WB17 ISOLATED FROM UNISTRUT BRACKET.
2. IF CIGBE CANNOT BE CONNECTED TO TOWER WITH #2 AWG GROUNDING CONDUCTOR, VIA CLAMP OR EXOTHERMIC WELD, THEN RUN #2 AWG BLACK GROUND LEAD FROM CIGBE DOWN TO NEXT LOWER CIGBE. SECURE GROUND LEAD WITH NON-METALIC TIES AT SAME SPACING AS COAX SUPPORTS.



2 BAR NONE POST MOUNTED (TDSGA-PA14)  
E7 SCALE: NTS

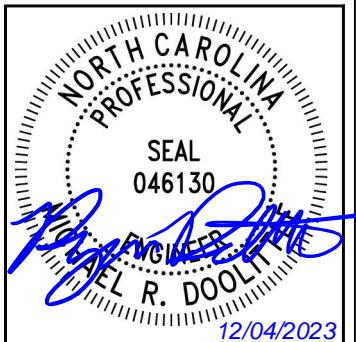


4 E7 BAR NONE INSULATED (TDSGA-WB17)  
SCALE: NTS

REV: DATE: ISSUED FOR: BY:

7			
6	12/04/23	CONSTRUCTION	MRD
5	11/08/23	CONSTRUCTION	MRD
4	10/09/23	CONSTRUCTION	MRD
3	09/21/23	CONSTRUCTION	MRD
2	08/14/23	CONSTRUCTION	MRD
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0	06/15/23	CONSTRUCTION	MRD
A	06/09/23	CONSTRUCTION	MRD

LICENSER:



KHA PROJECT NUMBER:

016454000

DRAWN BY: CHECKED BY:

FAQ KRM

SHEET TITLE:

GROUNDING DETAILS

SHEET NUMBER:

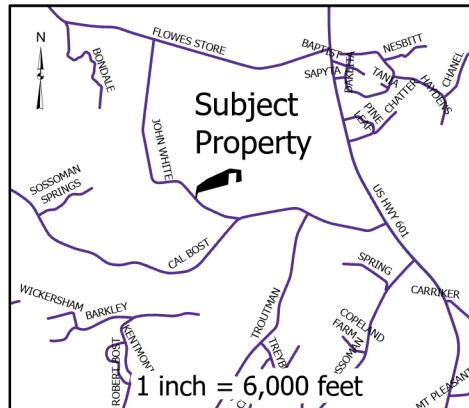
E7

Midland Planning Area  
Aerial Map



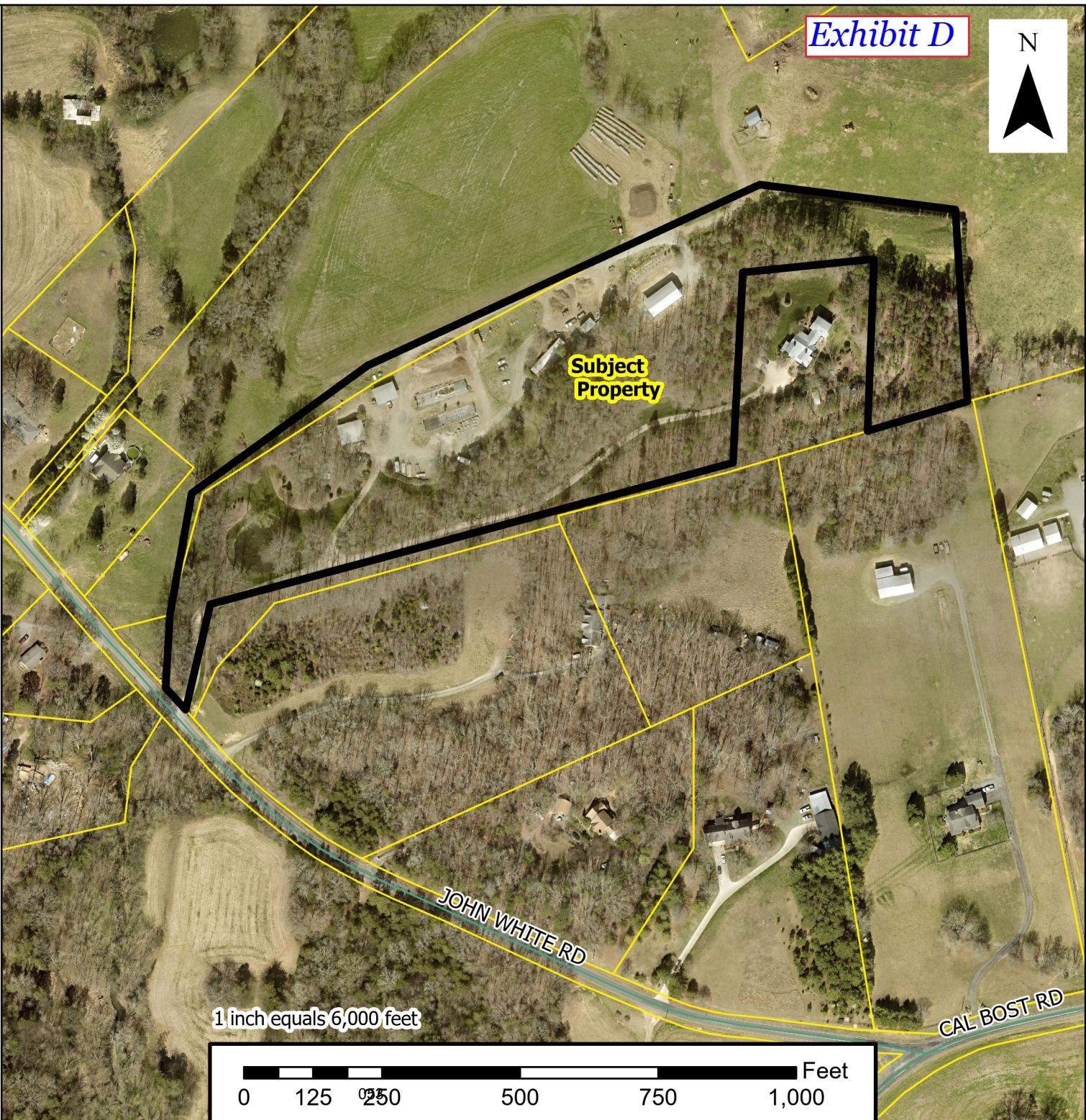
Applicant: Cedric Thomas  
WSOC-TV  
Owner: Joseph Fountain III  
Case: SUSE2023-00028  
Address: 9599 John White Rd  
Purpose: Proposed Public Service Facility  
Radar Tower  
PIN: 5546-43-6394

SUSE2023-00028  
 TaxParcels  
 Streets



Cabarrus County shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. These data cannot be construed to be a legal document. Primary sources from which these data were compiled must be consulted for verification of information contained within the data.

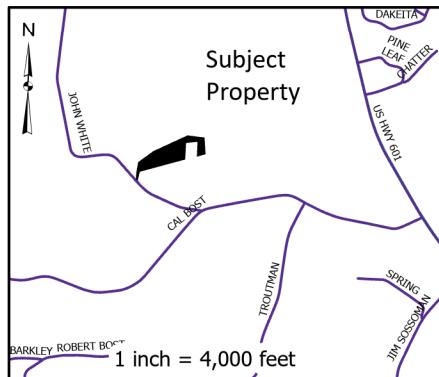
Map prepared by  
Cabarrus County Planning and Development  
November 2023



Midland Planning Area  
Zoning Map



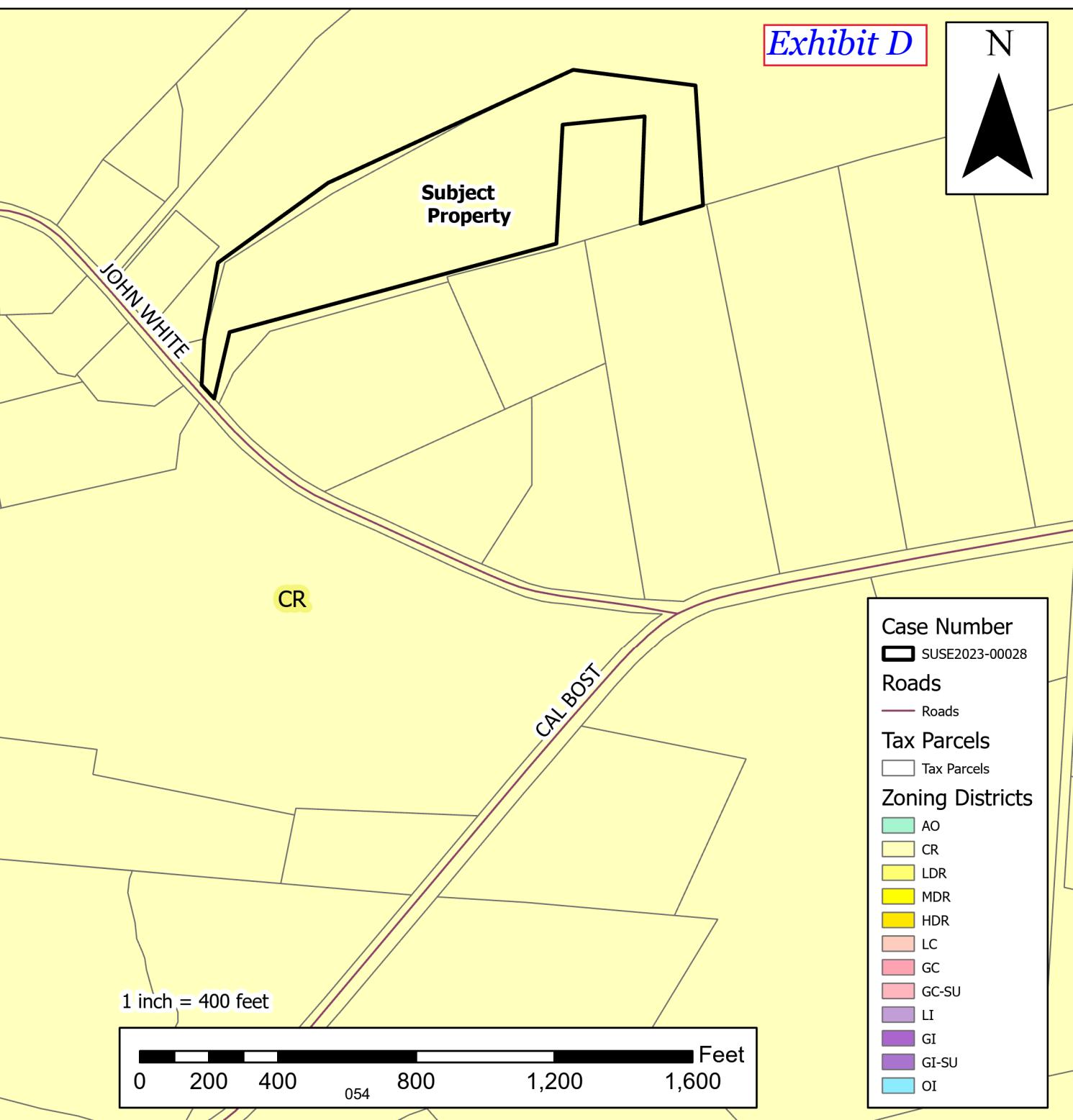
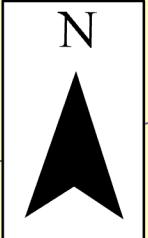
Applicant: Cedric Thomas  
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Map prepared by  
Cabarrus County Planning and Development  
November 2023

Exhibit D

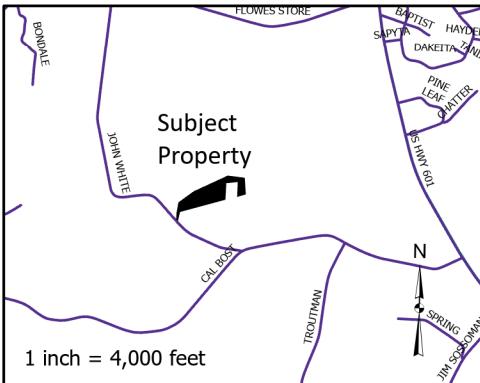


# Midland Planning Area

## Future Land Use Map

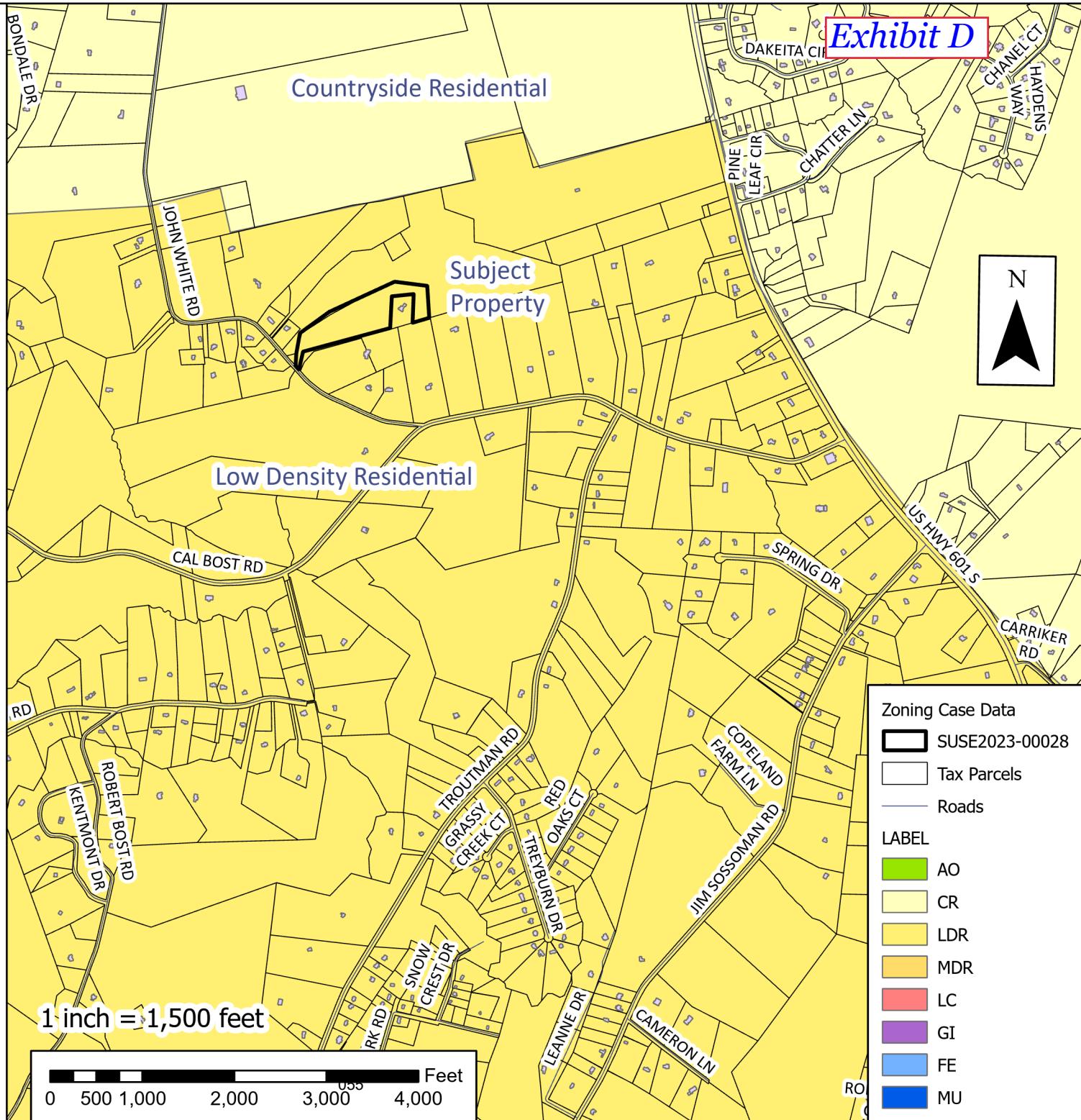


Applicant: Cedric Thomas  
WSOC-TV  
Owner: Joseph Fountain III  
Case: SUSE2023-00028  
Address: 9599 John White Rd  
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Radar Tower  
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Map prepared by  
Cabarrus County Planning and Development  
November 2023





# Federal Communications Commission

## Wireless Telecommunications Bureau

### RADIO STATION AUTHORIZATION

LICENSEE: WSOC TELEVISION, LLC

ATTN: DIRECTOR OF ENGINEERING  
WSOC TELEVISION, LLC  
235 WEST 23RD STREET  
CHARLOTTE, NC 28206

FCC Registration Number (FRN): 0026068494

Call Sign WPMS717	File Number 0010409760
Radio Service RS - Land Mobile Radiolocation	
Regulatory Status PMRS	
Frequency Coordination Number	

Grant Date 09-19-2013	Effective Date 06-23-2023	Expiration Date 12-02-2023	Print Date 06-24-2023
--------------------------	------------------------------	-------------------------------	--------------------------

### STATION TECHNICAL SPECIFICATIONS

#### Fixed Location Address or Mobile Area of Operation

Loc. 1 Address: 9619 John White Road  
City: Midland County: CABARRUS State: NC  
Lat (NAD83): 35-17-17.9 N Long (NAD83): 080-31-34.6 W ASR No.: Ground Elev: 155.4

#### Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
1	1	005620.0000000	WDX	1		7M95P0N	1000000.000	2089052.7000	39.6	40.5	06-23-2024

#### Control Points

Control Pt. No. 1

Address: 235 West 23rd Street

City: CHARLOTTE County: MECKLENBURG State: NC Telephone Number: (704)335-4732

#### Associated Call Signs

#### Conditions:

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

**Licensee Name:** WSOC TELEVISION, LLC

**Call Sign:** WPMS717

**File Number:** 0010409760

**Print Date:** 06-24-2023

<NA>

---

**Waivers/Conditions:**

Authorization on a secondary basis.

The authorized emission bandwidth shall be so located within the band that it does not extend beyond the upper or lower limits of the authorized band shown (E039).

48 HOURS PRIOR TO OPERATING AT THE NEW LOCATION, WSOC-TV WILL NOTIFY THE FAA, TIM PIGG, AT 405-954-5170 OFFICE, OR 405-830-5853 CELL. THIS IS SO HE CAN ARRANGE TO MONITOR THE CHARLOTTE TDWR FOR POSSIBLE INTERFERENCE. IN THE EVENT OF ANY HARMFUL RFI, WSOC-TV WILL COOPERATE WITH THE FAA TO FIND A WAY TO ELIMINATE THE RFI, TO INCLUDE MODIFYING THE WSOC OPERATION AND/OR CHANGING FREQUENCIES. THE DUTY CYCLE WILL NOT EXCEED 0.1 PERCENT AND WILL OPERATE WITH A DUTY CYCLE OF 0.05 PERCENT MOST OF THE TIME. THE ANTENNA WILL ROTATE AT A RATE OF 90 SECONDS PER REVOLUTION, USE -3 DB BEAMWIDTH OF 0.95 DEGREES, OPERATE WITH DUAL HORIZONTAL AND VERTICAL POLARIZATION, AND AT AN ELEVATION ANGLE OF 0.5 DEGREES

# Reference Copy Only. Do Not Mail to the FCC as an Application.

Submitted:  
File Number:

**Exhibit E2**

**FCC 601**  
**Main Form**

## FCC Application for Radio Service Authorization: Wireless Telecommunications Bureau Public Safety and Homeland Security Bureau

Approved by OMB

3060 - 0798

See instructions for public  
burden estimate

1) Radio Service Code: <b>RS</b> <b>General Information</b>	1a) Existing Radio Service Code:
2) (Select only one) <b>(MD)</b> NE - New      RO - Renewal Only      AU - Administrative Update      NT - Required Notifications MD - Modification      RM - Renewal/Modification      WD - Withdrawal of Application      EX - Requests for Extension of Time AM - Amendment      CA - Cancellation of License      RL - Registered Location/Link	
3a) If this application is for a <u>Special Temporary Authorization</u> (STA), enter the code and attach the required exhibit as described in the instructions. Otherwise enter ' <u>N/A</u> ' (Not Applicable). <b>( N )M S N/A</b>	
3b) If this application is for Special Temporary Authority due to an emergency situation, enter 'Y'; otherwise enter 'N'. Refer to Rule 1.915 for an explanation of situations considered to be an emergency. <b>( )Yes No</b>	
4) If this application is for an Amendment or Withdrawal, enter the file number of the pending application currently on file with the FCC. <b>File Number</b>	
5) If this application is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, or Administrative Update, enter the call sign of the existing FCC license. If this is a request for Registered Location/Link, enter the FCC call sign assigned to the geographic license. <b>CallSign</b> <b>WPMS717</b>	
6a) If this application is for a New, Amendment, Renewal Only, or Renewal/Modification, enter the requested authorization expiration date (this item is optional). <b>MM / DD</b>	
6b) If this application is for a Renewal Only or Renewal/Modification and the license is a geographic area license, is the license used to provide service to customers ( <b>C</b> ), or is the license used for private business (internal) purposes or to meet the licensee's public interest/public safety communications needs ( <b>P</b> )? <b>( )C P</b>	
7) Is this application "major" as defined in § 1.929 of the Commission's Rules when read in conjunction with the applicable radio service rules found in Parts 22 and 90 of the Commission's Rules? (NOTE: This question only applies to certain site-specific applications. See the instructions for applicability and full text of § 1.929). <b>( Y )Yes No</b>	
8) Are attachments (other than associated schedules) being filed with this application? <b>( N )Yes No</b>	

### Fees, Waivers, and Exemptions

9) Is the Applicant exempt from FCC application fees? <b>( N )Yes No</b>
10) Is the Applicant exempt from FCC regulatory fees? <b>( N )Yes No</b>
11) Does this application include a request for a Waiver of the Commission's Rule(s)? If 'Yes', attach an exhibit providing rule number(s) and explaining circumstances. <b>( N )Yes No</b>
12) Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station? <b>( N )Yes No</b>

**Applicant Information**

13) FCC Registration Number (FRN): <b>0026068494</b>			
14) Applicant/Licensee Legal Entity Type: (Select One) <input type="checkbox"/> Individual <input type="checkbox"/> Unincorporated Association <input type="checkbox"/> Trust <input type="checkbox"/> Government Entity <input type="checkbox"/> Corporation <input checked="" type="checkbox"/> Limited Liability Company <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Limited Liability Partnership <input type="checkbox"/> Consortium <input type="checkbox"/> Other: _____			
15) If the Licensee name is being updated, is the update a result from the sale (or transfer of control) of the license(s) to party and for which proper Commission approval has not been received or proper notification not provided?			( <input type="checkbox"/> ) Yes <input type="checkbox"/> No
16) First Name (if individual):	MI:	Last Name:	Suffix:
17) Legal Entity Name (if other than individual): <b>WSOC Television, LLC</b>			
18) Attention To: <b>Director of Engineering</b>			
19) P.O. Box:	And/Or	20) Street Address: <b>235 West 23rd Street</b>	
21) City: <b>Charlotte</b>		22) State: <b>NC</b>	23) Zip Code: <b>28206</b>
24) Telephone Number: <b>(704)335-4732</b>		25) Fax:	
26) E-Mail Address: <b>ted.hand@cmg.com</b>			

**27) Demographics (Optional)**

Race: <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African-American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White	Ethnicity: <input type="checkbox"/> Hispanic or Latino <input type="checkbox"/> Not Hispanic or Latino	Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female
--	--	---

**Real Party in Interest**

28) Name of Real Party in Interest of Applicant (If different from Applicant):	29) FCC Registration Number (FRN) of Real Party in Interest:
--	--

**Contact Information (If different from the Applicant)**

<input type="checkbox"/> Check here if same as Applicant.			
30) First Name: <b>Christina</b>	MI:	Last Name: <b>Burrow</b>	Suffix:
31) Company Name: <b>Cooley LLP</b>			
32) Attention To: <b>Christina Burrow</b>			
33) P.O. Box:	And /Or	34) Street Address: <b>1299 Pennsylvania Avenue, NW, #700</b>	
35) City: <b>Washington</b>		36) State: <b>DC</b>	37) Zip Code: <b>20004</b>
38) Telephone Number: <b>(202)776-2687</b>		39) Fax:	
40) E-Mail Address: <b>cburrow@cooley.com</b>			

**Regulatory Status**

41) This filing is for authorization to provide or use the following type(s) of radio service offering (enter all that apply):

(  )**Common Carrier** (  )**Non-Common Carrier** (  )**Private, internal communications** (  )**Broadcast Services** (  )**Band Manager**

**Type of Radio Service**

42) This filing is for authorization to provide the following type(s) of radio service (choose all that apply):

(  )**Fixed** (  )**Mobile** (  )**Radiolocation** (  )**Satellite (sound)** (  )**Broadcast Services**

43) Does the Applicant propose to provide service interconnected to the public telephone network? (  )**Yes** (  )**No**

**Alien Ownership Questions (If any answer is 'Y', provide an attachment explaining the circumstances. In preparing the attachment, refer to the Main Form Instructions for the "Alien Ownership Questions".)**

44) Is the Applicant a foreign government or the representative of any foreign government? (  )**Yes** (  )**No**

45) Is the Applicant an alien or the representative of an alien? (  )**Yes** (  )**No**

46) Is the Applicant a corporation organized under the laws of any foreign government? (  )**Yes** (  )**No**

47) Is the Applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? (  )**Yes** (  )**No**

48a) Is the Applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens or their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? (  Yes  No )

48b) If the answer to 47 or 48a is 'Y' select one of the choices below.

The Applicant is exempt from the provisions of Section 310(b).

*If checked, include in the attachment required by Item 47 or Item 48a a showing that the requested license(s) is exempt from the provisions of Section 310(b).*

The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized.

*If checked, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that there has been no change in the foreign ownership of the Applicant since the issuance of its ruling.*

The Applicant: (i) has received a declaratory ruling(s) approving its foreign ownership, but is not able to make the certification specified immediately above; or (ii) is an "affiliate" of a Licensee or Lessee/Sublessee that received a declaratory ruling(s) under 47 CFR § 1.990(a) and is relying on the affiliate's ruling for purposes of filing this application as permitted under the affiliate's ruling and 47 CFR § 1.994(b).

*If checked, and if the Applicant received its declaratory ruling(s) on or after August 9, 2013, include in the attachment required by Item 47 or Item 48a the citation(s) of the Applicant's declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of its ruling and with the Commission's Rules.*

*If checked, and if the Applicant received its declaratory ruling(s) prior to August 9, 2013, include in the attachment required by Item 48a a copy of a petition for declaratory ruling filed contemporaneously with the Commission to extend the Applicant's existing ruling(s) to cover the same radio service(s) and geographic coverage area(s) involved in the application. Alternatively, the Applicant may request a new declaratory ruling pursuant to Section 1.990(a) of the Commission's Rules, 47 CFR § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).*

*If checked, and if the Applicant is relying on an affiliate's ruling for purposes of filing this application, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of the named affiliate's ruling and with the Commission's Rules. The Applicant must also include a certification of compliance signed by the named affiliate or other qualified entity as specified in 47 CFR § 1.994(b). See Main Form Instructions for Items 47 or 48a, as applicable.*

The Applicant has not received a declaratory ruling approving its foreign ownership and is requesting a declaratory ruling under 47 CFR § 1.990(a) in a petition filed contemporaneously with the Commission.

*If checked, include in the attachment required by Item 47 or 48a a copy of the petition for declaratory ruling filed contemporaneously with the Commission pursuant to 47 CFR § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).*

**Basic Qualification Questions**

49) Has the Applicant or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
50) Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
51) Has any court finally adjudged the Applicant or any party directly or indirectly controlling the Applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

**Note:** If the answer to any of 49-51 is 'Y', attach an exhibit explaining the circumstances.

**Aeronautical Advisory Station (Unicom) Certification**

52) ( <input type="checkbox"/> ) I certify that the station will be located on property of the airport to be served, and, in cases where the airport does not have a control tower, RCO, or FAA flight service station, that I have notified the owner of the airport and all aviation service organizations located at the airport within ten days prior to application.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
---	---

**Broadband Radio Service and Educational Broadband Service Cable Cross-Ownership**

53a) Will the requested facilities be used to provide multichannel video programming service?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
53b) If the answer to question 53a is 'Y', does the Applicant operate, control or have an attributable interest (as defined in 47 CFR § 27.1202) in a cable television system whose franchise area is located within the geographic service area of the requested facilities?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

**Note:** If the answer to question 53b is 'Y', attach an exhibit explaining how the Applicant complies with 47 CFR § 27.1202 or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

**Broadband Radio Service and Educational Broadband Service (Part 27)**

54) (For EBS only) Does the Applicant comply with the programming requirements contained in 47 CFR § 27.1203?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>Note:</b> If the answer to item 54 is 'N', attach an exhibit explaining how the Applicant complies with 47 CFR § 27.1203 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.	
55) (For BRS and EBS) Does the Applicant comply with 47 CFR §§ 27.50, 27.55, and 27.1221?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

**Note:** If the answer to item 55 is 'N', attach an exhibit justifying a waiver of that rule(s). If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

**For Applicants Who Participated in an Auction**

56) Is the Applicant a qualifying rural wireless partnership or a member of a qualifying rural wireless partnership?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>Note:</b> If the answer to item 56 is 'Y', attach an exhibit listing all members of the qualifying rural wireless partnership, including their FRN numbers.	

**For Renewal Applicants**

57) Operation/Performance Requirement Certification	
<b>[For a site-based license]:</b> Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement]:</b> Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement]:</b> Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term. [Note: licensee must provide a showing demonstrating that the final performance requirement has been met, either separately in a timely application for notification of completion of construction, or as part of its renewal application, depending on the radio service.]	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, commercial service - licensee in any subsequent term]:</b> Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, private systems - licensee in its initial license term with an interim performance requirement]:</b> Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, private systems - licensee in its initial license term with no interim performance requirement]:</b> Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term. [Note: licensee must provide a showing demonstrating that the final performance requirement has been met, either separately in a timely application for notification of completion of construction, or as part of its renewal application, depending on the radio service.]	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

[For a geographic license, private systems - licensee in any subsequent term]: Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
[For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after effective date of the rules]: Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent to the effective date of the rules.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
[For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings]: Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

#### Discontinuance of Service Certification

58) Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<p><b>Note: If the response to either item 57 or item 58 is 'N', attach an exhibit that demonstrates that over the course of the license term, the Applicant provided and continues to provide service to the public, or operated and continues to operate the license to meet the Applicant's private business or public interest/public safety communications needs. This exhibit must include a detailed description of the Applicant's provision of service or, when allowed under the relevant service rules or pursuant to waiver, use of the spectrum for private business or public interest/public safety communications needs, during the entire license period and address, as applicable: 1) the level and quality of service provided by the applicant (e.g., the population served, the area served, the number of subscribers, the services offered); 2) the date service commenced, whether service was ever interrupted, and the duration of any interruption or outage; 3) the extent to which service is provided to rural areas; 4) the extent to which service is provided to qualifying tribal land as defined in 47 CFR § 1.2110(e)(3)(i); and (5) any other factors associated with the level of service to the public. The licensee may note in its exhibit: 1) any grant(s) of waiver or extension of a performance deadline or license renewal subject to meeting a performance requirement; or 2) if the final performance deadline and/or expiration date for the license accelerated because the licensee did not meet an interim performance requirement.</b></p>	

#### Regulatory Compliance Certification [same for all]

59) Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<p><b>Note: If the response to item 59 is 'N', attach an exhibit explaining the circumstances and demonstrating why Applicant's license should be renewed.</b></p>	

#### General Certification Statements

1) The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application.
2) The Applicant certifies that grant of this application would not cause the Applicant to be in violation of any pertinent cross-ownership or attribution rules.* *If the Applicant has sought a waiver of any such rule in connection with this application, it may make this certification subject to the outcome of the waiver request.
3) The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
4) The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to § 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under § 1.2002(c) of the rules, 47 CFR § 1.2002(c). See 47 CFR § 1.2002(b) for the definition of "party to the application" as used in this certification.
5) The Applicant certifies that it either (1) has current required ownership data on file with the Commission, (2) is filing updated ownership data simultaneously with this application, or (3) is not required to file ownership data under the Commission's Rules.
6) The Applicant certifies that the facilities, operations, and transmitters for which this authorization is hereby requested are either: (1) categorically excluded from routine environmental evaluation for RF exposure as set forth in 47 CFR § 1.1307(b); or, (2) have been found not to cause human exposure to levels of radiofrequency radiation in excess of the limits specified in 47 CFR §§ 1.1310 and 2.1093; or, (3) are the subject of one or more Environmental Assessments filed with the Commission.
7) The Applicant certifies that it has reviewed the appropriate Commission Rules defining eligibility to hold the requested license(s) and is eligible to hold the requested license(s).
8) The Applicant certifies that it is not in default on any payment for Commission licenses and that it is not delinquent on any non-tax debt owed to any federal agency.
9) The Applicant certifies that the Applicant and all of the related individuals and entities required to be disclosed on this application and FCC Form 602 (FCC Ownership Disclosure Information for the Wireless Telecommunications Services) are not person(s) who have been, for reasons of national security, barred by any agency of the Federal Government from bidding on a contract, participating in an auction, or receiving a grant. This certification applies only to applications for licenses for spectrum that is required by Sections 6103, 6401-6403 of the Middle Class Tax Relief and Job Creation Act of 2012, codified at 47 U.S.C. §§ 309, 1413, 1451-1452, to be assigned by a system of competitive bidding under 47 U.S.C. § 309(j).

**Signature**

60) Typed or Printed Name of Party Authorized to Sign

First Name: Eric	MI:	Last Name: Greenberg	Suffix:
61) Title: VP & Secretary			
Signature: Eric Greenberg		62) Date: 02/06/2023	
<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.</b>			
Upon grant of this license application, the Licensee may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in termination of the license. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of license requested in this application.			
<b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, § 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, § 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, § 503).</b>			

1) Action Requested: <b>( M )</b> <input type="checkbox"/> Add <input checked="" type="checkbox"/> Mod <input type="checkbox"/> Del			2) Location Number: <b>1</b>		
3) Location Description: <b>Fixed</b>		4) Area of Operation Code:		5) Location Name:	
6) FCC Antenna Structure Registration Number, FCC 854 File Number or N/A: <b>N/A</b>					
7) Latitude (DD-MM-SS.S): <b>35-17-17.7</b>		NAD83 ( <input type="checkbox"/> N ) <input type="checkbox"/> or <input type="checkbox"/> S	8) Longitude (DDD-MM-SS.S): <b>080-31-34.9</b>		NAD83 ( <input type="checkbox"/> E ) <input type="checkbox"/> or <input type="checkbox"/> W
9) Street Address, Name of Landing Area, or Other Location Description: <b>9619 John White Road</b>					
10) City: <b>Midland</b>		11) State: <b>NC</b>	12) County/Borough/Parish: <b>CABARRUS</b>		
13) Elevation of Site AMSL (meters) (‘a’ in antenna structure example): <b>155.4</b>		14) Overall Ht AGL Without Appurtenances (meters) (‘b’ in antenna structure example): <b>36.6</b>		15) Overall Ht AGL With Appurtenances (meters) (‘c’ in antenna structure example): <b>42.7</b>	
16) Support Structure Type: <b>Ltower</b>					
17) Location Number: (only for Area of Operation Code ‘A’)		18) Radius (km):	19) Airport Identifier:	20) Site Status: <b>n</b>	
21) Maximum Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner) --		NAD83 ( <input type="checkbox"/> N ) <input type="checkbox"/> or <input type="checkbox"/> S	22) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner) --	NAD83 ( <input type="checkbox"/> E ) <input type="checkbox"/> or <input type="checkbox"/> W	
23) Do you propose to operate in an area that requires frequency coordination with Canada? <input type="checkbox"/> Yes <input type="checkbox"/> No					
24) Description: (only for Area of Operation Code ‘O’)					
25) Number of Units: <input type="checkbox"/> Hand Held <input type="checkbox"/> Mobile <input type="checkbox"/> Temporary Fixed <input type="checkbox"/> Aircraft <input type="checkbox"/> Itinerant					
26) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If ‘Yes’, submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311. <input type="checkbox"/> Yes <input type="checkbox"/> No					
27a) If the site is located in one of the Quiet Zones listed in Item 27b of the Instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified: _____					
27b) Has the Applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? <input type="checkbox"/> Yes <input type="checkbox"/> No					
28) Do you propose to operate in an area that requires frequency coordination with Mexico? <input type="checkbox"/> Yes <input type="checkbox"/> No					

**Eligibility**

1) Rule Section: <b>90.103</b>	2) Describe Activity: <b>1) Public Weather Information; 2) Allow Viewers Weather Warnings; 3) TV Broadcast of Weather Information</b>
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**Frequency Coordinator Information** (if not self-coordinated)

3) Frequency Coordination Number	4) Name of Frequency Coordinator	5) Telephone Number	6) Coordination Date

7) Has this application been successfully coordinated? (  ) Yes/No

**Extended Implementation (Slow Growth)**

8) Are you requesting a new or modified extended implementation plan? If 'Yes', attach an exhibit with a justification and a proposed station construction schedule.	( <input type="checkbox"/> ) <u>Yes/No</u>
---	--

**Associated Call Signs (Attach additional sheets if required)**

9)				
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**Broadcast Auxiliary Only**

If there is an associated Parent Station, complete Items 10-12.	10) Facility Id of Parent Station:	11) Radio Service of Parent Station:	12) City and State of Parent Station Principal Community:
13) If there is no associated parent station, this Applicant is a: ( <input type="checkbox"/> ) <u>Cable Network Entity</u> <u>Broadcast Network Entity</u> <u>Television Cable Operator</u>	14) State of Primary Operation:		
<u>Large Venue Owner or Operator</u> <u>Professional Sound Company</u>	<u>Motion Picture Producer</u> <u>Television Producer</u>		

**Control Point(s) (Other than at the transmitter) (Attach additional sheets if required)**

15) Action A/M/D	16) Control Point Number	17) Location Street Address, City or Town, County/Borough/Parish, State	18) Telephone Number
M	1	235 West 23rd Street Charlotte, MECKLENBURG, NC	(704)335-4732

**Antenna Information**

19) Action ( ) A/M/D	20) Location Number	21) Antenna Number	22) AAT (meters)	23) Antenna Ht. (meters)	24) Azimuth (degrees)	25) Beamwidth (degrees)	26) Polarization	27) Gain (dB)
<b>M</b>	<b>1</b>	<b>1</b>	<b>40.5</b>	<b>39.6</b>	<b>360.0</b>	<b>1.0</b>	<b>X</b>	<b>44.7</b>

**Frequency Information**

28) Action ( ) A/M/D	29) Location Number	30) Antenna Number	31) Frequency (MHz)	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
			Existing (if Mod)      New						

**EXHIBIT**

WSOC Television, LLC (“WSOC”), licensee of Radiolocation Station WPMS717 (the “Station”), hereby requests renewal of the license for the Station.

As discussed below, the Station is temporarily silent due to the loss of its prior tower site and a delay in the move to its new tower site. WSOC is building a new tower for the Station but due to delays in the local permitting process, the new tower was not constructed before the old tower lease expired and the old tower was dismantled. Accordingly, the Station ceased operations from its tower at 12705 Albemarle Road, Charlotte, North Carolina, on October 18, 2023.

In anticipation of its move to a new tower at 9619 John White Road, Midland, North Carolina (the “New Site”), WSOC filed a modification application for relocation of the Station (*see* FCC File Number 0010409760), which was granted by the FCC on June 23, 2023. Operation at the New Site must be completed by June 23, 2024, per the FCC authorization. WSOC has been working diligently to construct the new tower, but construction has been delayed. WSOC currently expects construction to be complete, and the Station returned to operations, by March 1, 2024. Other than the current disruption in service due to the loss of the tower site for the Station, the Station has been operational and in use for the duration of the current license term.

# Reference Copy Only. Do Not Mail to the FCC as an Application.

Submitted:  
File Number:

**Exhibit E4**

**FCC 601**  
**Main Form**

## FCC Application for Radio Service Authorization: Wireless Telecommunications Bureau Public Safety and Homeland Security Bureau

Approved by OMB

3060 - 0798

See instructions for public  
burden estimate

1) Radio Service Code: <b>RS</b> <b>General Information</b>	1a) Existing Radio Service Code:
2) (Select only one) (MD) NE - New                    RO - Renewal Only                    AU - Administrative Update                    NT - Required Notifications MD - Modification        RM - Renewal/Modification        WD - Withdrawal of Application                EX - Requests for Extension of Time AM - Amendment            CA - Cancellation of License        RL - Registered Location/Link	
3a) If this application is for a Special Temporary Authorization (STA), enter the code and attach the required exhibit as described in the instructions. Otherwise enter 'N/A' (Not Applicable).      ( <b>N</b> ) <b>M S N/A</b>	
3b) If this application is for Special Temporary Authority due to an emergency situation, enter 'Y'; otherwise enter 'N'. Refer to Rule 1.915 for an explanation of situations considered to be an emergency.      ( <b> </b> ) <b>Yes No</b>	
4) If this application is for an Amendment or Withdrawal, enter the file number of the pending application currently on file with the FCC.      File Number	
5) If this application is for a Modification, Renewal Only, Renewal/Modification, Cancellation of License, or Administrative Update, enter the call sign of the existing FCC license. If this is a request for Registered Location/Link, enter the FCC call sign assigned to the geographic license.      Call Sign <b>WPMS717</b>	
6a) If this application is for a New, Amendment, Renewal Only, or Renewal/Modification, enter the requested authorization expiration date (this item is optional).      MM      DD /	
6b) If this application is for a Renewal Only or Renewal/Modification and the license is a geographic area license, is the license used to provide service to customers (C), or is the license used for private business (internal) purposes or to meet the licensee's public interest/public safety communications needs (P)?      ( <b> </b> ) <b>C P</b>	
7) Is this application "major" as defined in § 1.929 of the Commission's Rules when read in conjunction with the applicable radio service rules found in Parts 22 and 90 of the Commission's Rules? (NOTE: This question only applies to certain site-specific applications. See the instructions for applicability and full text of § 1.929).      ( <b>Y</b> ) <b>Yes No</b>	
8) Are attachments (other than associated schedules) being filed with this application?      ( <b>N</b> ) <b>Yes No</b>	

### Fees, Waivers, and Exemptions

9) Is the Applicant exempt from FCC application fees?	( <b>N</b> ) <b>Yes No</b>
10) Is the Applicant exempt from FCC regulatory fees?	( <b>N</b> ) <b>Yes No</b>
11) Does this application include a request for a Waiver of the Commission's Rule(s)? If 'Yes', attach an exhibit providing rule number(s) and explaining circumstances.	( <b>N</b> ) <b>Yes No</b>
12) Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	( <b>N</b> ) <b>Yes No</b>

**Applicant Information**

13) FCC Registration Number (FRN): <b>0026068494</b>			
14) Applicant/Licensee Legal Entity Type: (Select One) <input type="checkbox"/> Individual <input type="checkbox"/> Unincorporated Association <input type="checkbox"/> Trust <input type="checkbox"/> Government Entity <input type="checkbox"/> Corporation <input checked="" type="checkbox"/> Limited Liability Company <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Limited Liability Partnership <input type="checkbox"/> Consortium <input type="checkbox"/> Other: _____			
15) If the Licensee name is being updated, is the update a result from the sale (or transfer of control) of the license(s) to party and for which proper Commission approval has not been received or proper notification not provided?			( <input type="checkbox"/> ) Yes <input type="checkbox"/> No
16) First Name (if individual):	MI:	Last Name:	Suffix:
17) Legal Entity Name (if other than individual): <b>WSOC Television, LLC</b>			
18) Attention To: <b>Director of Engineering</b>			
19) P.O. Box:	And/Or	20) Street Address: <b>235 West 23rd Street</b>	
21) City: <b>Charlotte</b>		22) State: <b>NC</b>	23) Zip Code: <b>28206</b>
24) Telephone Number: <b>(704)335-4732</b>		25) Fax:	
26) E-Mail Address: <b>ted.hand@cmg.com</b>			

**27) Demographics (Optional)**

Race: <input type="checkbox"/> American Indian or Alaska Native <input type="checkbox"/> Asian <input type="checkbox"/> Black or African-American <input type="checkbox"/> Native Hawaiian or Other Pacific Islander <input type="checkbox"/> White	Ethnicity: <input type="checkbox"/> Hispanic or Latino <input type="checkbox"/> Not Hispanic or Latino	Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female
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**Real Party in Interest**

28) Name of Real Party in Interest of Applicant (If different from Applicant):	29) FCC Registration Number (FRN) of Real Party in Interest:
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**Contact Information (If different from the Applicant)**

<input type="checkbox"/> Check here if same as Applicant.			
30) First Name: <b>Christina</b>	MI:	Last Name: <b>Burrow</b>	Suffix:
31) Company Name: <b>Cooley LLP</b>			
32) Attention To: <b>Christina Burrow</b>			
33) P.O. Box:	And /Or	34) Street Address: <b>1299 Pennsylvania Avenue, NW, #700</b>	
35) City: <b>Washington</b>		36) State: <b>DC</b>	37) Zip Code: <b>20004</b>
38) Telephone Number: <b>(202)776-2687</b>		39) Fax:	
40) E-Mail Address: <b>cburrow@cooley.com</b>			

**Regulatory Status**

41) This filing is for authorization to provide or use the following type(s) of radio service offering (enter all that apply):

(  )**Common Carrier** (  )**Non-Common Carrier** (  )**Private, internal communications** (  )**Broadcast Services** (  )**Band Manager**

**Type of Radio Service**

42) This filing is for authorization to provide the following type(s) of radio service (choose all that apply):

(  )**Fixed** (  )**Mobile** (  )**Radiolocation** (  )**Satellite (sound)** (  )**Broadcast Services**

43) Does the Applicant propose to provide service interconnected to the public telephone network? (  )**Yes** (  )**No**

**Alien Ownership Questions (If any answer is 'Y', provide an attachment explaining the circumstances. In preparing the attachment, refer to the Main Form Instructions for the "Alien Ownership Questions".)**

44) Is the Applicant a foreign government or the representative of any foreign government? (  )**Yes** (  )**No**

45) Is the Applicant an alien or the representative of an alien? (  )**Yes** (  )**No**

46) Is the Applicant a corporation organized under the laws of any foreign government? (  )**Yes** (  )**No**

47) Is the Applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? (  )**Yes** (  )**No**

48a) Is the Applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens or their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? (  Yes  No )

48b) If the answer to 47 or 48a is 'Y' select one of the choices below.

The Applicant is exempt from the provisions of Section 310(b).

*If checked, include in the attachment required by Item 47 or Item 48a a showing that the requested license(s) is exempt from the provisions of Section 310(b).*

The Applicant has received a declaratory ruling(s) approving its foreign ownership, and the application involves only the acquisition of additional spectrum for the provision of a wireless service in a geographic coverage area for which the Applicant has been previously authorized.

*If checked, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that there has been no change in the foreign ownership of the Applicant since the issuance of its ruling.*

The Applicant: (i) has received a declaratory ruling(s) approving its foreign ownership, but is not able to make the certification specified immediately above; or (ii) is an "affiliate" of a Licensee or Lessee/Sublessee that received a declaratory ruling(s) under 47 CFR § 1.990(a) and is relying on the affiliate's ruling for purposes of filing this application as permitted under the affiliate's ruling and 47 CFR § 1.994(b).

*If checked, and if the Applicant received its declaratory ruling(s) on or after August 9, 2013, include in the attachment required by Item 47 or Item 48a the citation(s) of the Applicant's declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of its ruling and with the Commission's Rules.*

*If checked, and if the Applicant received its declaratory ruling(s) prior to August 9, 2013, include in the attachment required by Item 48a a copy of a petition for declaratory ruling filed contemporaneously with the Commission to extend the Applicant's existing ruling(s) to cover the same radio service(s) and geographic coverage area(s) involved in the application. Alternatively, the Applicant may request a new declaratory ruling pursuant to Section 1.990(a) of the Commission's Rules, 47 CFR § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).*

*If checked, and if the Applicant is relying on an affiliate's ruling for purposes of filing this application, include in the attachment required by Item 47 or Item 48a the citation(s) of the applicable declaratory ruling(s) by DA/FCC number, the FCC Record citation, if available, release date, and a statement that the Applicant is in compliance with the terms and conditions of the named affiliate's ruling and with the Commission's Rules. The Applicant must also include a certification of compliance signed by the named affiliate or other qualified entity as specified in 47 CFR § 1.994(b). See Main Form Instructions for Items 47 or 48a, as applicable.*

The Applicant has not received a declaratory ruling approving its foreign ownership and is requesting a declaratory ruling under 47 CFR § 1.990(a) in a petition filed contemporaneously with the Commission.

*If checked, include in the attachment required by Item 47 or 48a a copy of the petition for declaratory ruling filed contemporaneously with the Commission pursuant to 47 CFR § 1.990(a). Petitions for declaratory ruling may be filed electronically on the Internet through the International Bureau Filing System (IBFS) (with a copy attached hereto).*

**Basic Qualification Questions**

49) Has the Applicant or any party to this application had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
50) Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
51) Has any court finally adjudged the Applicant or any party directly or indirectly controlling the Applicant guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement, or any other means or unfair methods of competition?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

**Note:** If the answer to any of 49-51 is 'Y', attach an exhibit explaining the circumstances.

**Aeronautical Advisory Station (Unicom) Certification**

52) ( <input type="checkbox"/> ) I certify that the station will be located on property of the airport to be served, and, in cases where the airport does not have a control tower, RCO, or FAA flight service station, that I have notified the owner of the airport and all aviation service organizations located at the airport within ten days prior to application.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
---	---

**Broadband Radio Service and Educational Broadband Service Cable Cross-Ownership**

53a) Will the requested facilities be used to provide multichannel video programming service?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
53b) If the answer to question 53a is 'Y', does the Applicant operate, control or have an attributable interest (as defined in 47 CFR § 27.1202) in a cable television system whose franchise area is located within the geographic service area of the requested facilities?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

**Note:** If the answer to question 53b is 'Y', attach an exhibit explaining how the Applicant complies with 47 CFR § 27.1202 or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

**Broadband Radio Service and Educational Broadband Service (Part 27)**

54) (For EBS only) Does the Applicant comply with the programming requirements contained in 47 CFR § 27.1203?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>Note:</b> If the answer to item 54 is 'N', attach an exhibit explaining how the Applicant complies with 47 CFR § 27.1203 of the Commission's Rules or justifying a waiver of that rule. If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.	
55) (For BRS and EBS) Does the Applicant comply with 47 CFR §§ 27.50, 27.55, and 27.1221?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

**Note:** If the answer to item 55 is 'N', attach an exhibit justifying a waiver of that rule(s). If a waiver of the Commission Rule(s) is being requested, Item 11a must be answered 'Y'.

**For Applicants Who Participated in an Auction**

56) Is the Applicant a qualifying rural wireless partnership or a member of a qualifying rural wireless partnership?	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>Note:</b> If the answer to item 56 is 'Y', attach an exhibit listing all members of the qualifying rural wireless partnership, including their FRN numbers.	

**For Renewal Applicants**

57) Operation/Performance Requirement Certification	
<b>[For a site-based license]:</b> Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement]:</b> Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement]:</b> Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term. [Note: licensee must provide a showing demonstrating that the final performance requirement has been met, either separately in a timely application for notification of completion of construction, or as part of its renewal application, depending on the radio service.]	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, commercial service - licensee in any subsequent term]:</b> Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, private systems - licensee in its initial license term with an interim performance requirement]:</b> Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<b>[For a geographic license, private systems - licensee in its initial license term with no interim performance requirement]:</b> Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term. [Note: licensee must provide a showing demonstrating that the final performance requirement has been met, either separately in a timely application for notification of completion of construction, or as part of its renewal application, depending on the radio service.]	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

[For a geographic license, private systems - licensee in any subsequent term]: Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
[For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after effective date of the rules]: Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent to the effective date of the rules.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
[For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings]: Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>

#### Discontinuance of Service Certification

58) Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<p><b>Note: If the response to either item 57 or item 58 is 'N', attach an exhibit that demonstrates that over the course of the license term, the Applicant provided and continues to provide service to the public, or operated and continues to operate the license to meet the Applicant's private business or public interest/public safety communications needs. This exhibit must include a detailed description of the Applicant's provision of service or, when allowed under the relevant service rules or pursuant to waiver, use of the spectrum for private business or public interest/public safety communications needs, during the entire license period and address, as applicable: 1) the level and quality of service provided by the applicant (e.g., the population served, the area served, the number of subscribers, the services offered); 2) the date service commenced, whether service was ever interrupted, and the duration of any interruption or outage; 3) the extent to which service is provided to rural areas; 4) the extent to which service is provided to qualifying tribal land as defined in 47 CFR § 1.2110(e)(3)(i); and (5) any other factors associated with the level of service to the public. The licensee may note in its exhibit: 1) any grant(s) of waiver or extension of a performance deadline or license renewal subject to meeting a performance requirement; or 2) if the final performance deadline and/or expiration date for the license accelerated because the licensee did not meet an interim performance requirement.</b></p>	

#### Regulatory Compliance Certification [same for all]

59) Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.	( <input type="checkbox"/> ) <u>Yes</u> <u>No</u>
<p><b>Note: If the response to item 59 is 'N', attach an exhibit explaining the circumstances and demonstrating why Applicant's license should be renewed.</b></p>	

#### General Certification Statements

1) The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application.
2) The Applicant certifies that grant of this application would not cause the Applicant to be in violation of any pertinent cross-ownership or attribution rules.* *If the Applicant has sought a waiver of any such rule in connection with this application, it may make this certification subject to the outcome of the waiver request.
3) The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
4) The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to § 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under § 1.2002(c) of the rules, 47 CFR § 1.2002(c). See 47 CFR § 1.2002(b) for the definition of "party to the application" as used in this certification.
5) The Applicant certifies that it either (1) has current required ownership data on file with the Commission, (2) is filing updated ownership data simultaneously with this application, or (3) is not required to file ownership data under the Commission's Rules.
6) The Applicant certifies that the facilities, operations, and transmitters for which this authorization is hereby requested are either: (1) categorically excluded from routine environmental evaluation for RF exposure as set forth in 47 CFR § 1.1307(b); or, (2) have been found not to cause human exposure to levels of radiofrequency radiation in excess of the limits specified in 47 CFR §§ 1.1310 and 2.1093; or, (3) are the subject of one or more Environmental Assessments filed with the Commission.
7) The Applicant certifies that it has reviewed the appropriate Commission Rules defining eligibility to hold the requested license(s) and is eligible to hold the requested license(s).
8) The Applicant certifies that it is not in default on any payment for Commission licenses and that it is not delinquent on any non-tax debt owed to any federal agency.
9) The Applicant certifies that the Applicant and all of the related individuals and entities required to be disclosed on this application and FCC Form 602 (FCC Ownership Disclosure Information for the Wireless Telecommunications Services) are not person(s) who have been, for reasons of national security, barred by any agency of the Federal Government from bidding on a contract, participating in an auction, or receiving a grant. This certification applies only to applications for licenses for spectrum that is required by Sections 6103, 6401-6403 of the Middle Class Tax Relief and Job Creation Act of 2012, codified at 47 U.S.C. §§ 309, 1413, 1451-1452, to be assigned by a system of competitive bidding under 47 U.S.C. § 309(j).

**Signature**

60) Typed or Printed Name of Party Authorized to Sign

First Name: Eric	MI:	Last Name: Greenberg	Suffix:
61) Title: VP & Secretary			
Signature: Eric Greenberg		62) Date: 02/06/2023	
<b>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.</b>			
Upon grant of this license application, the Licensee may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in termination of the license. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of license requested in this application.			
<b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, § 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, § 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, § 503).</b>			

1) Action Requested: <b>( M )</b>	<b>Add</b>	<b>Mod</b>	<b>Del</b>	2) Location Number: <b>1</b>
3) Location Description: <b>Fixed</b>	4) Area of Operation Code:		5) Location Name:	
6) FCC Antenna Structure Registration Number, FCC 854 File Number or N/A: <b>N/A</b>				
7) Latitude (DD-MM-SS.S): <b>35-17-17.7</b>	<b>NAD83</b> ( <b>N</b> ) <u>N</u> or <u>S</u>		8) Longitude (DDD-MM-SS.S): <b>080-31-34.9</b> ( <b>W</b> ) <u>E</u> or <u>W</u>	
9) Street Address, Name of Landing Area, or Other Location Description: <b>9619 John White Road</b>				
10) City: <b>Midland</b>	11) State: <b>NC</b>		12) County/Borough/Parish: <b>CABARRUS</b>	
13) Elevation of Site AMSL (meters) (‘a’ in antenna structure example): <b>155.4</b>	14) Overall Ht AGL Without Appurtenances (meters) (‘b’ in antenna structure example): <b>36.6</b>		15) Overall Ht AGL With Appurtenances (meters) (‘c’ in antenna structure example): <b>42.7</b>	
16) Support Structure Type: <b>Ltower</b>				
17) Location Number: (only for Area of Operation Code ‘A’)	18) Radius (km):		19) Airport Identifier:	20) Site Status: <b>n</b>
21) Maximum Latitude (DD-MM-SS.S): Use for rectangle only (Northwest corner) --	<b>NAD83</b> ( <u>N</u> ) <u>N</u> or <u>S</u>		22) Maximum Longitude (DDD-MM-SS.S): Use for rectangle only (Northwest corner) --	<b>NAD83</b> ( <u>E</u> ) <u>E</u> or <u>W</u>
23) Do you propose to operate in an area that requires frequency coordination with Canada? <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>				
24) Description: (only for Area of Operation Code ‘O’)				
25) Number of Units: <input type="checkbox"/> Hand Held <input type="checkbox"/> Mobile <input type="checkbox"/> Temporary Fixed <input type="checkbox"/> Aircraft <input type="checkbox"/> Itinerant				
26) Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? See Section 1.1307 of 47 CFR. If ‘Yes’, submit an environmental assessment as required by 47 CFR, Sections 1.1308 and 1.1311. <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>				
27a) If the site is located in one of the Quiet Zones listed in Item 27b of the Instructions, provide the date (mm/dd/yyyy) that the proper Quiet Zone entity was notified: _____				
27b) Has the Applicant obtained prior written consent from the proper Quiet Zone entity for the same technical parameters that are specified in this application? <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>				
28) Do you propose to operate in an area that requires frequency coordination with Mexico? <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>				

**Eligibility**

1) Rule Section: <b>90.103</b>	2) Describe Activity: <b>1) Public Weather Information; 2) Allow Viewers Weather Warnings; 3) TV Broadcast of Weather Information</b>
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**Frequency Coordinator Information** (if not self-coordinated)

3) Frequency Coordination Number	4) Name of Frequency Coordinator	5) Telephone Number	6) Coordination Date

7) Has this application been successfully coordinated? (  ) Yes/No**Extended Implementation (Slow Growth)**

8) Are you requesting a new or modified extended implementation plan? If 'Yes', attach an exhibit with a justification and a proposed station construction schedule.	( <input type="checkbox"/> ) <u>Yes/No</u>
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**Associated Call Signs (Attach additional sheets if required)**

9)				
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**Broadcast Auxiliary Only**

If there is an associated Parent Station, complete Items 10-12.	10) Facility Id of Parent Station:	11) Radio Service of Parent Station:	12) City and State of Parent Station Principal Community:
13) If there is no associated parent station, this Applicant is a: ( <input type="checkbox"/> ) Cable Network Entity      Broadcast Network Entity      Television Cable Operator	14) State of Primary Operation:		
Large Venue Owner or Operator Professional Sound Company	Motion Picture Producer Television Producer		

**Control Point(s) (Other than at the transmitter) (Attach additional sheets if required)**

15) Action A/M/D	16) Control Point Number	17) Location Street Address, City or Town, County/Borough/Parish, State	18) Telephone Number
M	1	235 West 23rd Street Charlotte, MECKLENBURG, NC	(704)335-4732

**Antenna Information**

19) Action ( ) A/M/D	20) Location Number	21) Antenna Number	22) AAT (meters)	23) Antenna Ht. (meters)	24) Azimuth (degrees)	25) Beamwidth (degrees)	26) Polarization	27) Gain (dB)
<b>M</b>	<b>1</b>	<b>1</b>	<b>40.5</b>	<b>39.6</b>	<b>360.0</b>	<b>1.0</b>	<b>X</b>	<b>44.7</b>

**Frequency Information**

28) Action ( ) A/M/D	29) Location Number	30) Antenna Number	31) Frequency (MHz)	32) Station Class	33) No. of Units	34) No. of Paging Receivers	35) Output Power (watts)	36) ERP (watts)	37) Emission Designators
			Existing (if Mod)      New						

**LESSEE PREMISES, COX MEDIA GROUP AND WSOC-TV, LLC  
WSOC**

All that tract or parcel of land lying and being in the City of Midland, Number 10 Township, Cabarrus County, North Carolina, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds and being more particularly described as follows:

To find the Point of Beginning, Commencing at an existing #4 rebar on the southern property line of said Joseph P. Fountain, III property at the northeastern and northwest corners of (2) Kent P. & Brenda K. Honeycutt properties as described in Deed Book 896 page 262, having a North Carolina Grid North (NAD83) value of N: 563,163.9220' and E: 1,544,772.0350' and being labeled POINT OF COMMENCEMENT; thence with tie-line N 61° 55' 20" W 255.22 feet to a point being the Point of Beginning for the 30-foot wide Lessee Non-Exclusive Access, Fiber & Utility Easement and the TRUE POINT OF BEGINNING of the Lessee Premises; thence N 15° 30' 14" W 65.00 feet to a point; thence N 74° 29' 46" E 65.00 feet to a point; thence S 15° 30' 14" E 65.00 feet to a point; thence S 74° 29' 46" W 65.00 feet to the POINT OF BEGINNING.

Bearings based on North Carolina Grid North, NAD83.

Said described parcel containing 0.097 Acres (4,225.00 square feet), more or less and subject to any and all easements, reservations, restrictions and conveyances of record, being as shown in a survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023.

**30' LESSEE NON-EXCLUSIVE ACCESS, FIBER & UTILITY EASEMENT, COX MEDIA GROUP AND WSOC-TV, LLC  
WSOC**

Together with a 30-foot wide Lessee Non-Exclusive Access, Fiber & Utility Easement lying and being in the City of Midland, Number 10 Township, Cabarrus County, North Carolina, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds and being more particularly described as follows:

To find the Point of Beginning, Commencing at an existing #4 rebar on the southern property line of said Joseph P. Fountain, III property at the northeastern and northwest corners of (2) Kent P. & Brenda K. Honeycutt properties as described in Deed Book 896 page 262, having a North Carolina Grid North (NAD83) value of N: 563,163.9220' and E: 1,544,772.0350' and being labeled POINT OF COMMENCEMENT; thence with tie-line N 61° 55' 20" W 255.22 feet to a point being the Point of Beginning for the Lessee Premises and the TRUE POINT OF BEGINNING of the 30-foot wide Lessee Non-Exclusive Access, Fiber & Utility Easement; thence S 74° 29' 46" W 30.00 feet to a point; thence N 15° 30' 14" W 17.50 feet to a point; thence S 74° 29' 46" W

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**Fort Mill Office**

1096 Assembly Drive, Suite 224, Fort Mill, SC 29708

803.693.5200 // [www.summitde.com](http://www.summitde.com)

31.14 feet to a point; thence S 28° 57' 07" W 61.12 feet to a point; thence S 33° 51' 57" W 62.10 feet to a point; thence S 33° 17' 48" W 50.83 feet to a point; thence with a curve to the left having a radius of 55.10 feet, length of 28.46 feet, Chord Bearing of S 15° 28' 09" W and Chord Distance of 28.15 feet to a point; thence S 00° 24' 39" W 27.68 feet to a point; thence S 70° 02' 23" W 132.04 feet to a point; thence S 70° 22' 58" W 49.26 feet to a point; thence S 68° 49' 22" W 46.88 feet to a point; thence S 61° 59' 20" W 25.02 feet to a point; thence with a curve to the left having a radius of 19.82 feet, length of 24.58 feet, Chord Bearing of S 29° 41' 32" W and Chord Distance of 23.03 feet to a point; thence S 04° 41' 18" E 48.21 feet to a point; thence S 01° 18' 28" E 26.80 feet to a point; thence with a curve to the right having a radius of 128.60 feet, length of 69.43 feet, Chord Bearing of S 18° 35' 04" W and Chord Distance of 68.59 feet to a point; thence S 34° 12' 59" W 6.67 feet to a point at the eastern Right of Way of John White Road (Having a 60' Public Right of Way); thence with said Right of Way N 41° 52' 23" W 30.91 feet to a point; thence leaving said Right of Way with a curve to the left having a radius of 98.60 feet, length of 51.30 feet, Chord Bearing of N 18° 39' 06" E and Chord Distance of 50.73 feet to a point; thence N 01° 18' 28" W 24.68 feet to a point; thence N 04° 41' 18" W 47.09 feet to a point; thence with a curve to the right having a radius of 49.82 feet, length of 60.37 feet, Chord Bearing of N 29° 18' 27" E and Chord Distance of 56.74 feet to a point; thence N 61° 59' 20" E 26.16 feet to a point; thence N 68° 49' 22" E 49.08 feet to a point; thence N 70° 22' 58" E 49.58 feet to a point; thence N 70° 02' 23" E 111.09 feet to a point; thence N 00° 24' 39" E 6.88 feet to a point; thence with a curve to the right having a radius of 85.10 feet, length of 44.91 feet, Chord Bearing of N 15° 44' 23" E and Chord Distance of 44.39 feet to a point; thence N 33° 17' 48" E 51.69 feet to a point; thence N 33° 51' 57" E 60.97 feet to a point; thence N 28° 57' 07" E 72.43 feet to a point; thence N 74° 29' 46" E 43.73 feet to a point; thence N 15° 30' 14" W 17.50 feet to a point; thence N 74° 29' 46" E 30.00 feet to a point at the Lessee Premises; thence with said Lessee Premises S 15° 30' 14" E 65.00 feet to the POINT OF BEGINNING.

Bearings based on North Carolina Grid North, NAD83.

Said described parcel containing 0.523 Acres (22,802.94 square feet), more or less and subject to any and all easements, reservations, restrictions and conveyances of record, being as shown in a survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023.

**I, Neal H. O'Connor, Jr., hereby certify that the above legal descriptions are correct, accurate and based on the survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023.**



October 10th, 2023

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Neal H. O'Connor, Jr.  
NC-PLS # L-4005

Date





STATE OF NORTH CAROLINA  
COUNTY OF CABARRUS

**FALL ZONE EASEMENT AGREEMENT**

Prepared by and return to:

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This Fall Zone Easement Agreement ("Agreement") is made and entered into as of the \_\_\_\_ day of \_\_\_\_ 2023, by and between **JACKIE O. BRINDLE**, an individual resident of the State of North Carolina ("Grantor") and **WSOC TELEVISION, INC.**, a Delaware corporation ("Grantee").

**WITNESSETH:**

**WHEREAS**, Grantor is the owner of that certain parcel of property located on John White Road, Parcel No. 55466318760000, Cabarrus County, North Carolina, which is more particularly described on Exhibit A, attached hereto ("Property").

**WHEREAS**, Grantee has entered into a certain Ground Lease Agreement ("Lease") with the owner of the land adjacent to the Property to lease a portion of real property ("Grantee Lease Area") to construct, operate, maintain, repair and replace a radar, wireless communications facility (the "Tower") approximately One Hundred Forty (140) feet in height. A map showing the Property and the Grantee Lease Area is attached hereto as Exhibit B.

**WHEREAS**, the Cabarrus County Development Ordinance requires that Grantee have and maintain a fall zone/setback easement for the Tower that is equal to the Tower height plus 50 feet as measured from the tower compound ("Fall Zone Easement") as a requirement to obtaining a conditional use permit for construction of a tower.

**WHEREAS**, Grantor has agreed to grant the Fall Zone Easement to Grantee to include easements on the Property and record this Agreement in Cabarrus County in order to satisfy Cabarrus County's fall zone/setback requirement.

**WHEREAS**, Grantor desires to convey to Grantee a permanent non-exclusive Fall Zone Easement ("Fall Zone Easement") on the Property, which is more particularly shown on **Exhibit C**, attached hereto ("Easement Area") and by this reference made a part hereof to establish the Fall Zone Easement, and Grantee desires to accept such Fall Zone Easement, pursuant to the terms set forth herein for the purpose of meeting the requirements of the Cabarrus County Development Ordinance for the issuance of a conditional use permit for a tower.

**NOW, THEREFORE**, in consideration of the Fall Zone Easement, the mutual promises and benefits hereinafter set forth, One Dollar (\$1.00) and other good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, the parties agree as follows:

1. Grantor hereby grants and conveys to Grantee, its transferees, successors and assigns, a non-exclusive, perpetual easement for the purpose of establishing a Fall Zone Easement as required by Cabarrus County, State of North Carolina, and the right, license and privilege to traverse those portions of the Property necessary or appropriate to monitor such Fall Zone Easement.
2. The Fall Zone Easement hereby granted, the restrictions hereby imposed, and the agreements herein contained shall be a burden upon the Property and a benefit to the Grantee so long as the Tower exists on the Property. At such time as the Tower is removed from the Property, this Fall Zone Easement shall terminate.
3. This Agreement may not be changed or altered without the express written consent of both parties hereto. No course of conduct or failure on the part of either party hereto to enforce any right hereunder shall limit, impair, or waive such parties' rights and remedies as provided by law in the State of North Carolina.
4. Grantee acknowledges and agrees that this Fall Zone Easement may be used by the Grantor for any lawful purpose that does not interfere with the intent and purpose of said fall zone/setback requirement established by the Cabarrus County Development Ordinance and the conditional use permit issued by Cabarrus County but that no construction, modification and/or development can take place within the Fall Zone Easement.
5. Grantor acknowledges and agrees that no structure or building may be placed in said Fall Zone Easement.
6. The easements, rights, licenses and privileges established, created and granted hereunder shall be for the benefit of and shall be restricted solely to Grantee, its transferees, successors, assigns, tenants, or subtenants and its employees, agents, invitees; however, in no event shall this Agreement be construed to create rights in or for the benefit of the general public.

7. In the event of any violation or threatened violation of any provisions of this Agreement, Grantee shall be entitled to full and adequate relief by injunction and/or any legal and equitable remedies available at law from the consequences of such violation.
8. If any provision of this Agreement shall be determined to be void or unenforceable by any court, such determination shall not affect the remaining provisions of this Agreement, which shall remain in full force and effect.
9. Any notice or other communication by either party to the other shall be in writing and shall be given and deemed to have been given, if either (i) delivered personally by hand (ii) mailed by United States Postal Service registered or certified mail, postage pre-paid, return receipt required, or (iii) by other reliable overnight delivery service such as Federal Express, addressed as follows:

To Grantor: Jackie O. Brindle  
9597 John White Road  
Midland, North Carolina 28107

To Grantee: WSOC Television, Inc.  
235 West 23<sup>rd</sup> Street  
Charlotte, NC 28206

---

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With a copy to:

Sheley, Hall & Williams, P.C.  
303 Peachtree Street, Suite 4440  
Atlanta, Georgia 30308  
Attn" David L. Lester, Esq.

Or to such other address and to the attention of such other person or officer as either party may designate in writing.

10. This Agreement shall be deemed to have been made and shall be construed and interpreted in accordance with the laws of the State of North Carolina.
11. This Agreement shall constitute an easement, restriction and covenant running with the land which shall inure to the benefit of and be binding upon the parties hereto and their respective heirs, legal representatives, transferees, successors, successors-in-title and assigns, including, without limitation, all subsequent owners, lessors or lessees of the property on which the Fall Zone Easement is located and all persons claiming by, through or under them.

**IN WITNESS WHEREOF**, the parties have duly executed, sealed and delivered this Agreement as of the day and year first written above.

Grantor has executed this Agreement effective as of the day and year first above written.

**GRANTOR:**

\_\_\_\_\_  
Jackie O. Brindle

STATE OF NORTH CAROLINA

COUNTY OF \_\_\_\_\_

I certify that Jackie O. Brindle personally appeared before my this day and acknowledged that she voluntarily signed the foregoing document for the purpose stated therein.

Dated \_\_ day of \_\_\_\_\_, 2023

\_\_\_\_\_  
Signature of Notary

(SEAL)

\_\_\_\_\_  
Print Name of Notary

Grantee has executed this Agreement effective as of the day and year first above written.

**GRANTEE:**

WSOC TELEVISION, INC.,  
a Delaware corporation

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

STATE OF NORTH CAROLINA

COUNTY OF \_\_\_\_\_

I certify that \_\_\_\_\_ personally appeared before my this day and acknowledged that he/she voluntarily signed the foregoing document for the purpose stated therein as \_\_\_\_\_ of WSOC Television, Inc., a Delaware corporation.

Dated \_\_\_\_ day of \_\_\_\_\_, 2023

\_\_\_\_\_  
Signature of Notary

(SEAL)

\_\_\_\_\_  
Print Name of Notary

**EXHIBIT A**

Map Showing the Property

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

**EXHIBITB**

Map Showing the Property and the Grantee Lease Area

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

**EXHIBITC**

Map Showing the Fall Zone Easement

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

**190' FALL ZONE EASEMENT, COX MEDIA GROUP AND WSOC-TV, LLC**

**WSOC**

Together with a 190-foot Fall Zone Easement lying and being in the City of Midland, Number 10 Township, Cabarrus County, North Carolina, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds and being more particularly described as follows:

To find the Point of Beginning, commencing at an existing #4 rebar on the southern property line of said Joseph P. Fountain, III property at the northeastern and northwest corners of (2) Kent P. & Brenda K. Honeycutt properties as described in Deed Book 896 page 262, having a North Carolina Grid North (NAD83) value of N: 563,163.9220' and E: 1,544,772.0350' and being labeled POINT OF COMMENCEMENT; thence with tie-line N 20° 45' 59" W 357.60 feet to a point being the TRUE POINT OF BEGINNING of the 190-foot Fall Zone Easement on the northern property line of said Fountain property at the southern property line of the Jackie O. & Brenda W. Brindle as described in Deed Book 300 page 9; thence with said Brindle property S 65° 00' 01" W 224.75 feet to a point; thence S 55° 07' 29" W 70.79 feet to a point; thence with a curve to the right having a radius of 190.00 feet, length of 337.33 feet, Chord Bearing of N 62° 38' 22" E and Chord Distance of 294.74 feet to the POINT OF BEGINNING. Bearings based on North Carolina Grid North, NAD83. Said described parcel containing 0.299 Acres (13,008.65 square feet), more or less and subject to any and all easements, reservations, restrictions and conveyances of record, being as shown in a survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023 and revised November 27<sup>th</sup>, 2023.

**LESSEE PREMISES, COX MEDIA GROUP AND WSOC-TV, LLC  
WSOC**

All that tract or parcel of land lying and being in the City of Midland, Number 10 Township, Cabarrus County, North Carolina, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds and being more particularly described as follows:

To find the Point of Beginning, Commencing at an existing #4 rebar on the southern property line of said Joseph P. Fountain, III property at the northeastern and northwest corners of (2) Kent P. & Brenda K. Honeycutt properties as described in Deed Book 896 page 262, having a North Carolina Grid North (NAD83) value of N: 563,163.9220' and E: 1,544,772.0350' and being labeled POINT OF COMMENCEMENT; thence with tie-line N 61° 55' 20" W 255.22 feet to a point being the Point of Beginning for the 30-foot wide Lessee Non-Exclusive Access, Fiber & Utility Easement and the TRUE POINT OF BEGINNING of the Lessee Premises; thence N 15° 30' 14" W 65.00 feet to a point; thence N 74° 29' 46" E 65.00 feet to a point; thence S 15° 30' 14" E 65.00 feet to a point; thence S 74° 29' 46" W 65.00 feet to the POINT OF BEGINNING.

Bearings based on North Carolina Grid North, NAD83.

Said described parcel containing 0.097 Acres (4,225.00 square feet), more or less and subject to any and all easements, reservations, restrictions and conveyances of record, being as shown in a survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023 and revised November 27<sup>th</sup>, 2023.

**30' LESSEE NON-EXCLUSIVE ACCESS, FIBER & UTILITY EASEMENT, COX MEDIA GROUP AND WSOC-TV, LLC  
WSOC**

Together with a 30-foot wide Lessee Non-Exclusive Access, Fiber & Utility Easement lying and being in the City of Midland, Number 10 Township, Cabarrus County, North Carolina, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds and being more particularly described as follows:

To find the Point of Beginning, Commencing at an existing #4 rebar on the southern property line of said Joseph P. Fountain, III property at the northeastern and northwest corners of (2) Kent P. & Brenda K. Honeycutt properties as described in Deed Book 896 page 262, having a North Carolina Grid North (NAD83) value of N: 563,163.9220' and E: 1,544,772.0350' and being labeled POINT OF COMMENCEMENT; thence with tie-line N 61° 55' 20" W 255.22 feet to a point being the Point of Beginning for the Lessee Premises and the TRUE POINT OF BEGINNING of the 30-foot wide Lessee Non-Exclusive Access, Fiber & Utility Easement; thence S 74° 29' 46" W 30.00 feet to a point; thence N 15° 30' 14" W 17.50 feet to a point; thence S 74° 29' 46" W

---

**Fort Mill Office**

1096 Assembly Drive, Suite 224, Fort Mill, SC 29708

803.693.5200 // [www.summitde.com](http://www.summitde.com)

31.14 feet to a point; thence S 28° 57' 07" W 61.12 feet to a point; thence S 33° 51' 57" W 62.10 feet to a point; thence S 33° 17' 48" W 50.83 feet to a point; thence with a curve to the left having a radius of 55.10 feet, length of 28.46 feet, Chord Bearing of S 15° 28' 09" W and Chord Distance of 28.15 feet to a point; thence S 00° 24' 39" W 27.68 feet to a point; thence S 70° 02' 23" W 132.04 feet to a point; thence S 70° 22' 58" W 49.26 feet to a point; thence S 68° 49' 22" W 46.88 feet to a point; thence S 61° 59' 20" W 25.02 feet to a point; thence with a curve to the left having a radius of 19.82 feet, length of 24.58 feet, Chord Bearing of S 29° 41' 32" W and Chord Distance of 23.03 feet to a point; thence S 04° 41' 18" E 48.21 feet to a point; thence S 01° 18' 28" E 26.80 feet to a point; thence with a curve to the right having a radius of 128.60 feet, length of 69.43 feet, Chord Bearing of S 18° 35' 04" W and Chord Distance of 68.59 feet to a point; thence S 34° 12' 59" W 6.67 feet to a point at the eastern Right of Way of John White Road (Having a 60' Public Right of Way); thence with said Right of Way N 41° 52' 23" W 30.91 feet to a point; thence leaving said Right of Way with a curve to the left having a radius of 98.60 feet, length of 51.30 feet, Chord Bearing of N 18° 39' 06" E and Chord Distance of 50.73 feet to a point; thence N 01° 18' 28" W 24.68 feet to a point; thence N 04° 41' 18" W 47.09 feet to a point; thence with a curve to the right having a radius of 49.82 feet, length of 60.37 feet, Chord Bearing of N 29° 18' 27" E and Chord Distance of 56.74 feet to a point; thence N 61° 59' 20" E 26.16 feet to a point; thence N 68° 49' 22" E 49.08 feet to a point; thence N 70° 22' 58" E 49.58 feet to a point; thence N 70° 02' 23" E 111.09 feet to a point; thence N 00° 24' 39" E 6.88 feet to a point; thence with a curve to the right having a radius of 85.10 feet, length of 44.91 feet, Chord Bearing of N 15° 44' 23" E and Chord Distance of 44.39 feet to a point; thence N 33° 17' 48" E 51.69 feet to a point; thence N 33° 51' 57" E 60.97 feet to a point; thence N 28° 57' 07" E 72.43 feet to a point; thence N 74° 29' 46" E 43.73 feet to a point; thence N 15° 30' 14" W 17.50 feet to a point; thence N 74° 29' 46" E 30.00 feet to a point at the Lessee Premises; thence with said Lessee Premises S 15° 30' 14" E 65.00 feet to the POINT OF BEGINNING.

Bearings based on North Carolina Grid North, NAD83.

Said described parcel containing 0.523 Acres (22,802.94 square feet), more or less and subject to any and all easements, reservations, restrictions and conveyances of record, being as shown in a survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023 and revised November 27<sup>th</sup>, 2023.

**190' FALL ZONE EASEMENT, COX MEDIA GROUP AND WSOC-TV, LLC  
WSOC**

Together with a 190-foot Fall Zone Easement lying and being in the City of Midland, Number 10 Township, Cabarrus County, North Carolina, and being the same property conveyed to Joseph P. Fountain, III by Deed Book 7481 pages 212-214, dated April 20th, 2007 and recorded in the Cabarrus County Register of Deeds and being more particularly described as follows:

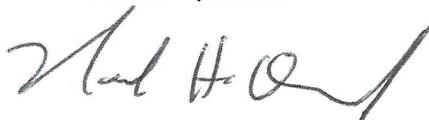


To find the Point of Beginning, Commencing at an existing #4 rebar on the southern property line of said Joseph P. Fountain, III property at the northeastern and northwest corners of (2) Kent P. & Brenda K. Honeycutt properties as described in Deed Book 896 page 262, having a North Carolina Grid North (NAD83) value of N: 563,163.9220' and E: 1,544,772.0350' and being labeled POINT OF COMMENCEMENT; thence with tie-line N 20° 45' 59" W 357.60 feet to a point being the TRUE POINT OF BEGINNING of the 190-foot Fall Zone Easement on the northern property line of said Fountain property at the southern property line of the Jackie O. & Brenda W. Brindle as described in Deed Book 300 page 9; thence with said Brindle property S 65° 00' 01" W 224.75 feet to a point; thence S 55° 07' 29" W 70.79 feet to a point; thence with a curve to the right having a radius of 190.00 feet, length of 337.33 feet, Chord Bearing of N 62° 38' 22" E and Chord Distance of 294.74 feet to the POINT OF BEGINNING.

Bearings based on North Carolina Grid North, NAD83.

Said described parcel containing 0.299 Acres (13,008.65 square feet), more or less and subject to any and all easements, reservations, restrictions and conveyances of record, being as shown in a survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023 and revised November 27<sup>th</sup>, 2023.

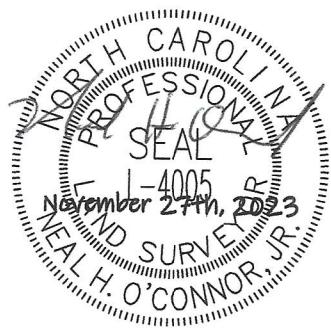
I, Neal H. O'Connor, Jr., hereby certify that the above legal descriptions are correct, accurate and based on the survey prepared for Cox Media Group and WSOC-TV, LLC by Summit Design and Engineering Services, PLLC. dated June 6th, 2023, revised September 22nd, 2023 and revised October 10th, 2023 and revised November 27<sup>th</sup>, 2023.



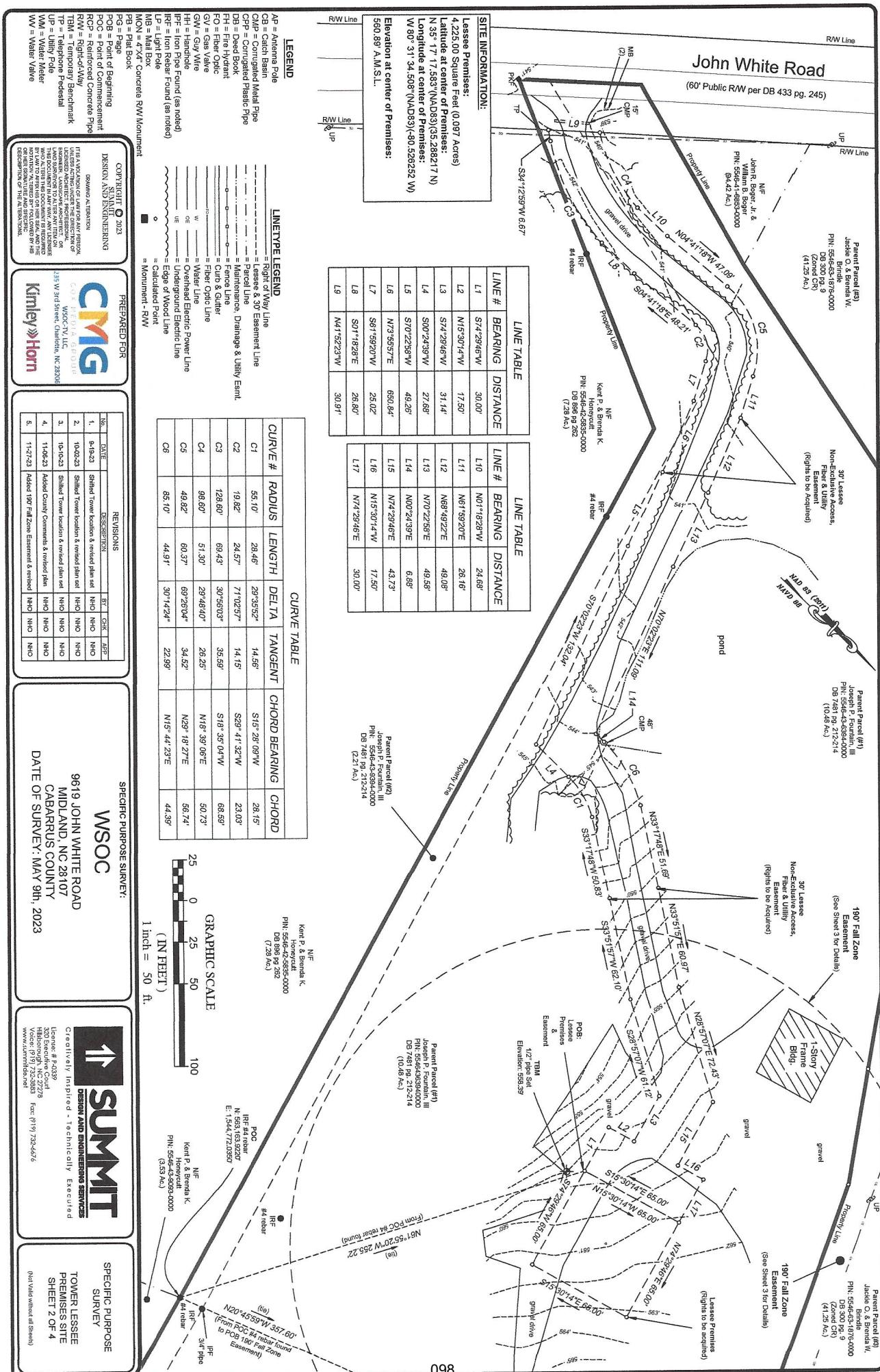
November 27th, 2023

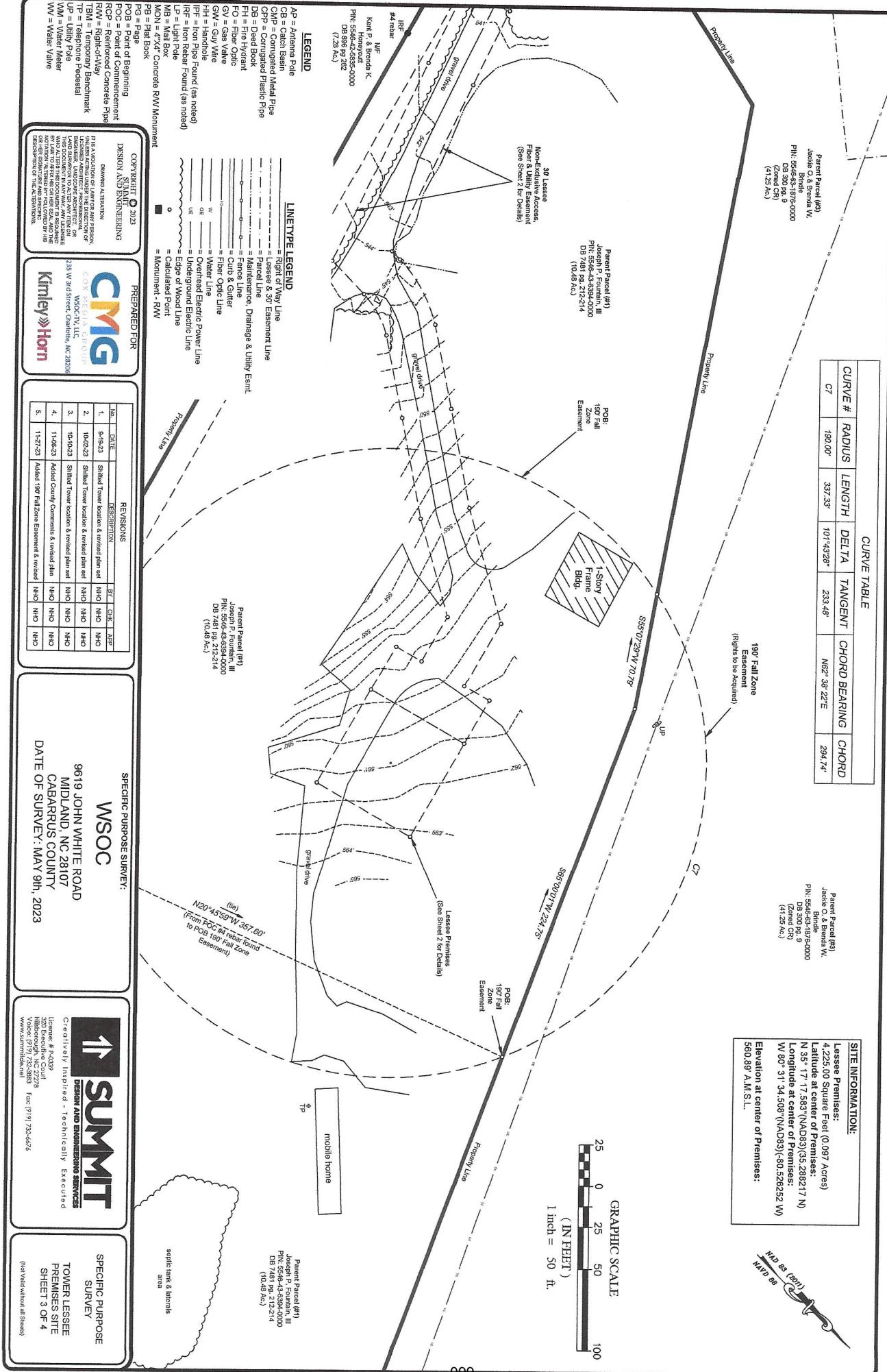
Neal H. O'Connor, Jr.  
NC-PLS # L-4005

Date









This document, together

**DEMO NOTE:**  
1. EXISTING GREENHOUSE AND FOUNDATION TO BE REMOVED PRIOR TO CONSTRUCTION/INSTALLATION OF THE PROPOSED TOWER AND EQUIPMENT.

## OVERALL PARCEL PLAN

TOWER SETBACKS TO PROPERTY LINES (FROM TOWER CENTER)
NORTH 135'-10"
SOUTH 186'-5"
EAST 527'-2"
WEST 307'-0"

KENT P. & BRENDA K HONEYCUTT  
PIN: 5546-43-9093-0000

TED E. & DELORES M. DICKASON  
PIN: 5546-52-8906-0000  
DB: 12317 PG: 293  
(ZONED CR) (9.79 AC.)

A circular seal for the North Carolina Society of Professional Accountants. The outer ring contains the text 'NORTH CAROLINA' at the top and 'PROFESSIONAL ACCOUNTANT' at the bottom. The inner circle contains 'SEAL' at the top and '046130' at the bottom. A blue ink signature is written across the seal.

1	08/14/23	CONSTRUCTION MRD
2	09/12/23	CONSTRUCTION MRD
3	09/21/23	CONSTRUCTION MRD
4	10/09/23	CONSTRUCTION MRD
A	06/09/23	CONSTRUCTION MRD

100

REV. \_\_\_\_ DATE \_\_\_\_ ISSUED FOR \_\_\_\_ BY \_\_\_\_

421 FAYETTE STREET, SUITE 600  
RALEIGH, NC 27601  
PHONE: 919-677-2000  
[WWW.KIMLEY-HORN.COM](http://WWW.KIMLEY-HORN.COM)  
NC License # F-0102

WSOC-TV, LLC, RADAR TOWER (585.00 MHz)	9619 JOHN WHITE ROAD MILBURN, NC 27132 CABARRUS COUNTY	PROJECT INFORMATION: CHAR 205 1032 NEW CAROLINA 28036 WILMINGTON 200 N. 20TH STREET WILMINGTON, NC 28401
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Copyright Kimbly-Horn and Associates, Inc. 2023



**On 1/5/2023 11:12 AM, John Ellis wrote:**

Please run the following plot:

Midland, NC Carrabus County (9619 John White Road, Midland, NC)

35.288 N, 80.526 W

Please run at 80, 90, and 100 ft high beam centers, each at 0.5°, 1.0°, 1.5° elevation.

Please add 110' scans as well.

**John Ellis**

Engineering & Radar Systems Manager

Baron Services, Inc.

**Site MID – Midland NC, 80.525939W, 35.288369N, 173m MSL**

-80.525938, 35.288369

80 ft 24.4 m

90 ft 27.4 m

100 ft 30.5 m

110 ft 33.5 m

Site MID is shown in Figure 1. Coordinates given appear to be off property, so location is selected within 0.0005 degree of these coordinates and choosing highest local terrain height (173 m).

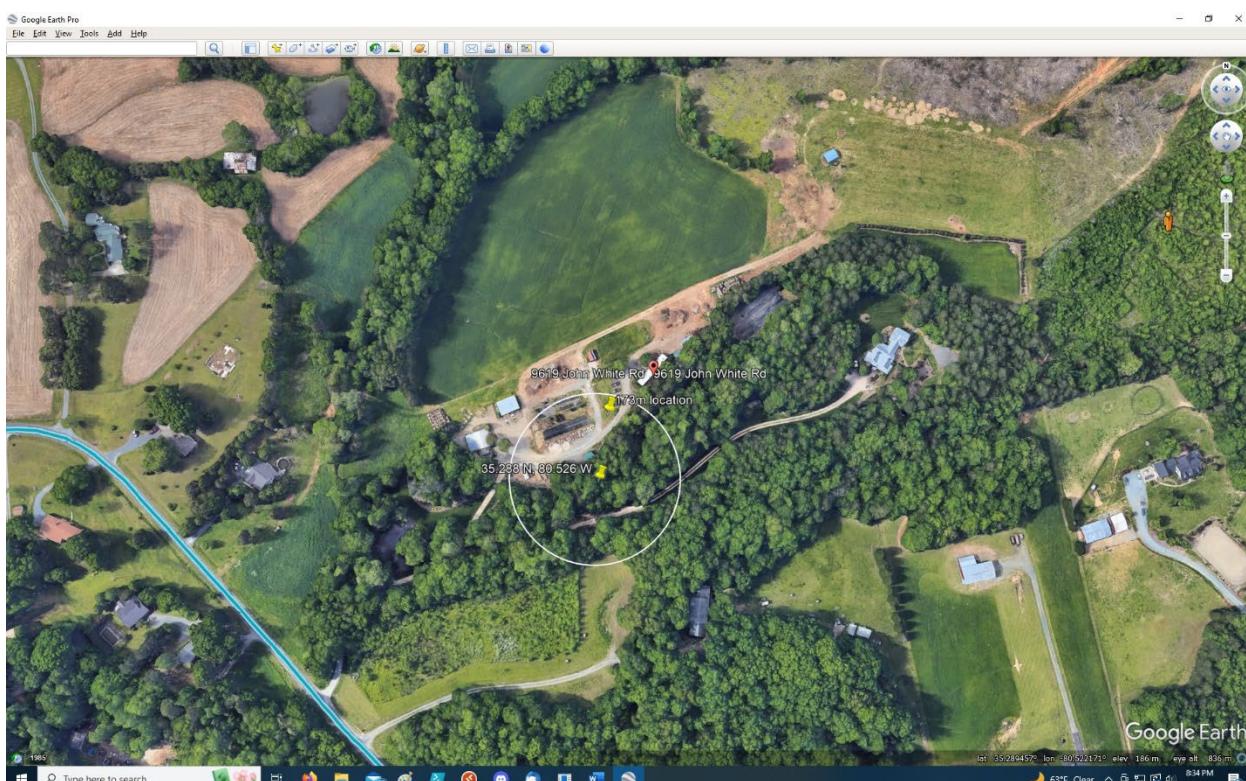


Figure 1 – Analysis of Midland NC site using coordinates provided. The best tower location is at highest local terrain as shown (173 m). Google Maps has 3D Buildings information for this location.

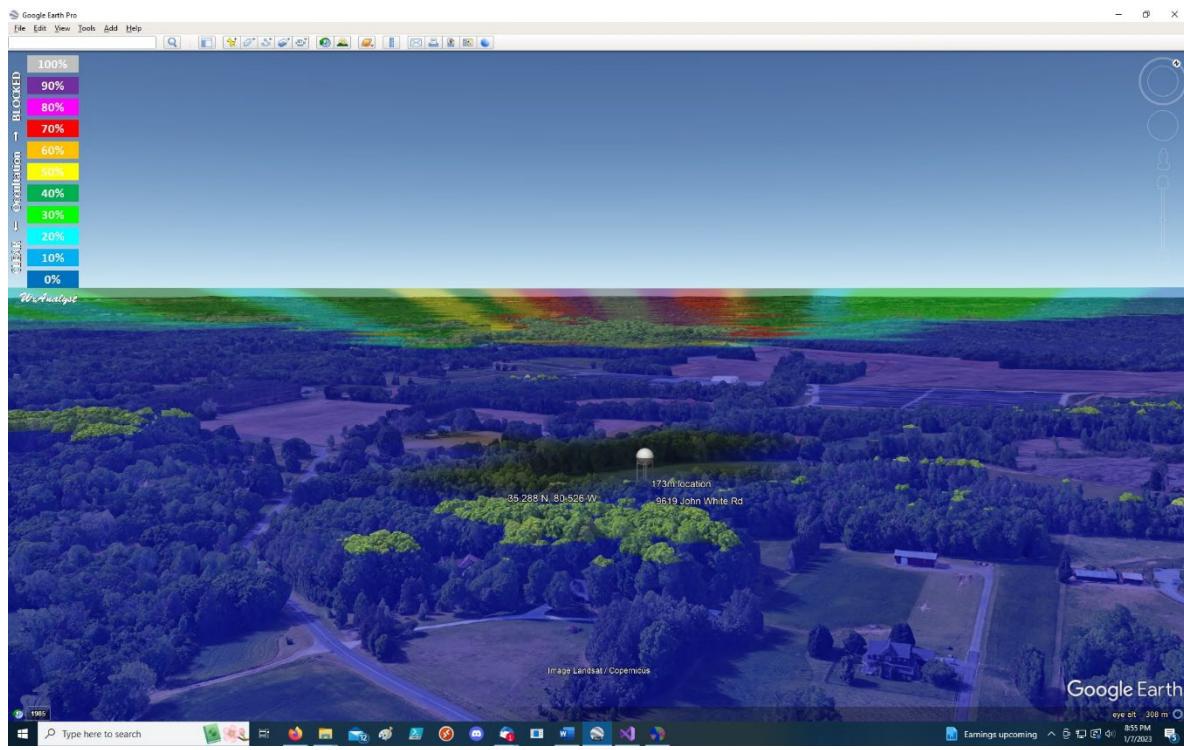


Figure 2 – Tower stack for 0.5 degree beam elevation at medium range resolution, with 80 ft feed horn height.

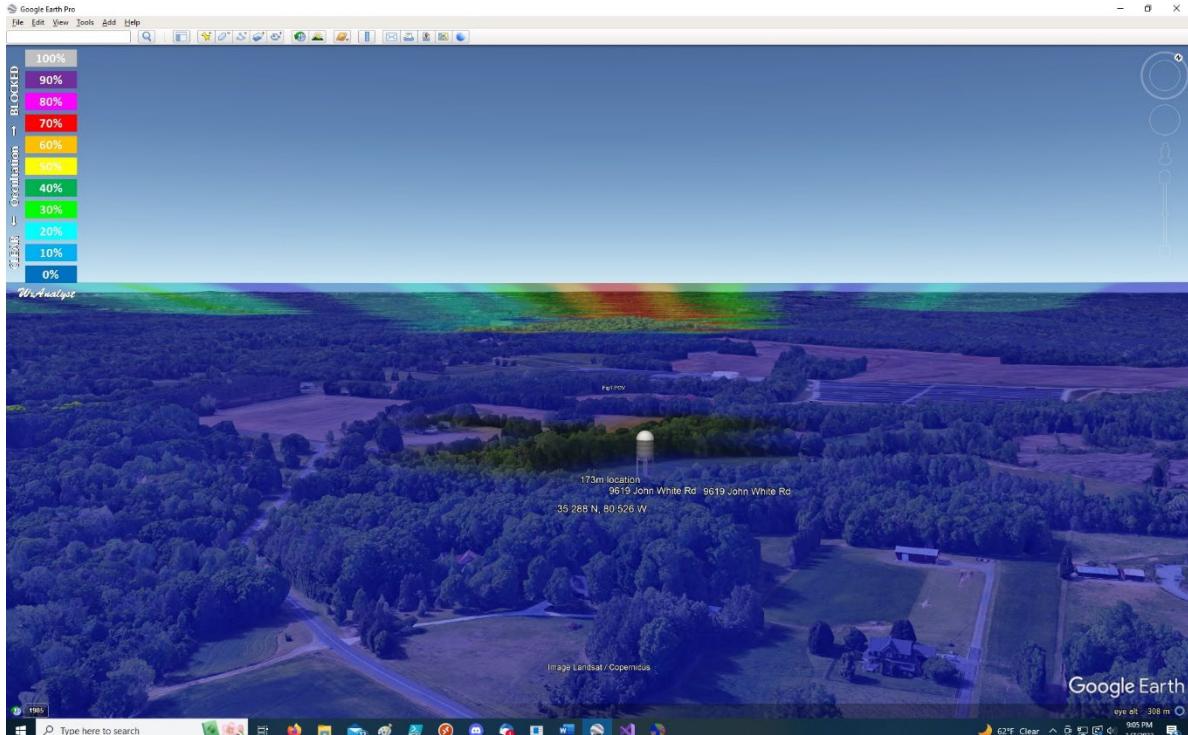


Figure 3 – Tower stack for 0.5 degree beam elevation at medium range resolution, with 110 ft feed horn height.

The closest terrain obstacle at medium range (100 m resolution) is a hill at 1.5 km range to the NW, bearing from 315° to 330°. This hill has a peak terrain height of 223 m MSL, with a tree canopy according to the Google database up to 239 m MSL. This hill extends about 300 m laterally and may not be significant in the long range (1km resolution) calculation. There are no other significant terrain obstacles within 30 km range. Both medium and long range occultation patterns are superimposed for 0.5 beam centroid elevation in Figure 3.

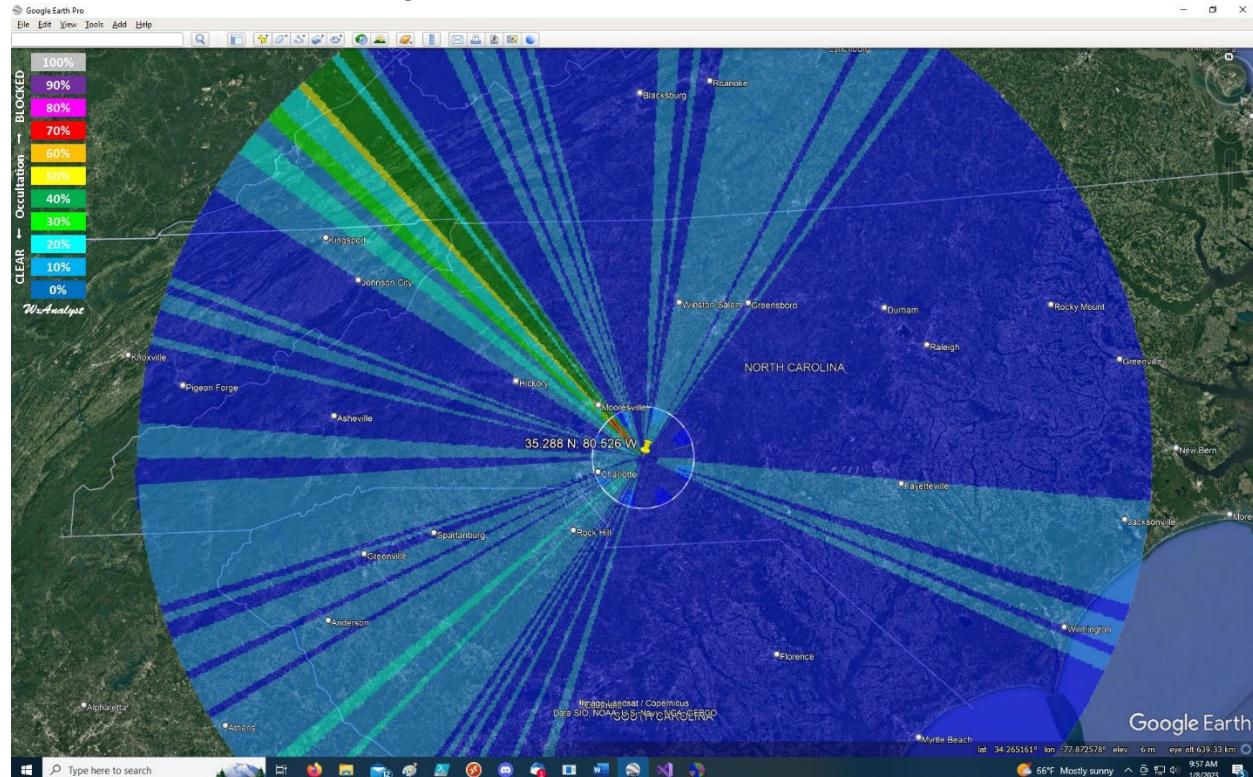


Figure 3 – Occultation patterns for 0.5 degree beam centroid elevation and 100 ft feed horn height. Both long range (300 km) and medium range (30 km) results are superimposed with a 30 km range ring.

Figures 4 and 5 show the close range situation for the 1.0 degree beam centroid elevation.

Figures 6 and 7 show the close range situation for the 1.5 degree beam centroid elevation.

The beam clears the local terrain obstacle at 1.5 degree beam elevation at the 90 ft feed horn height.

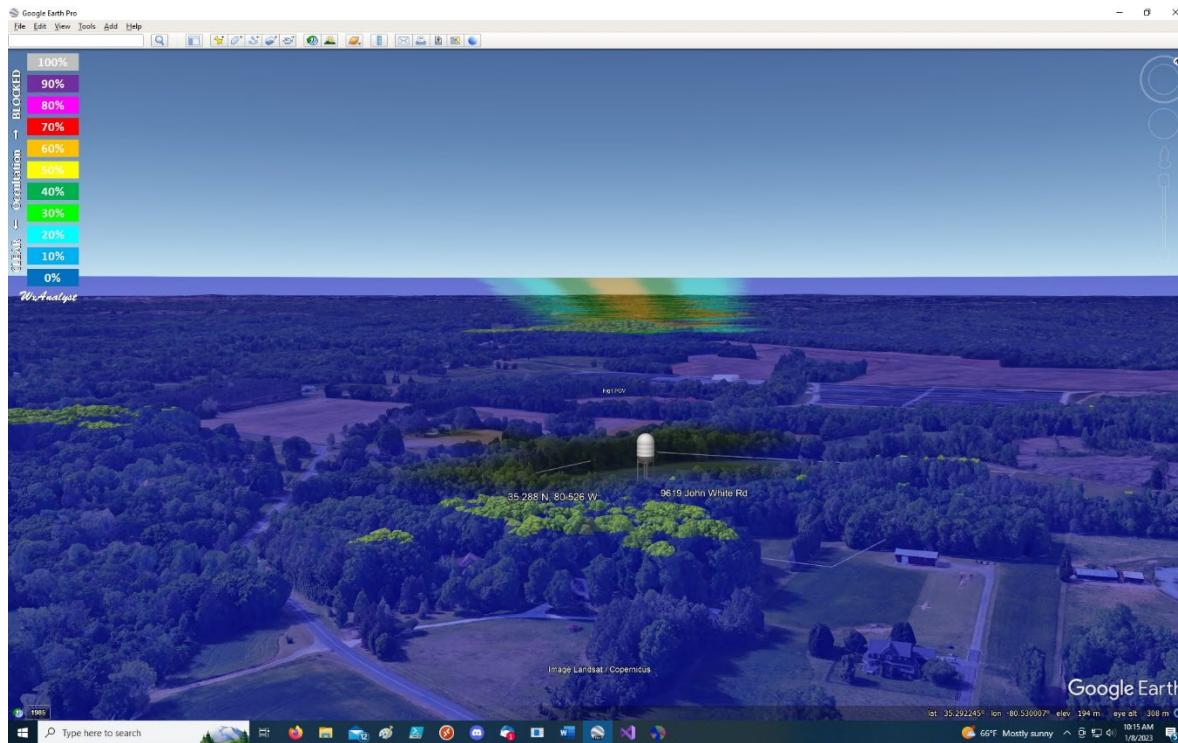


Figure 4 – Tower stack for 1.0 degree beam elevation at medium range resolution, with 80 ft feed horn height.

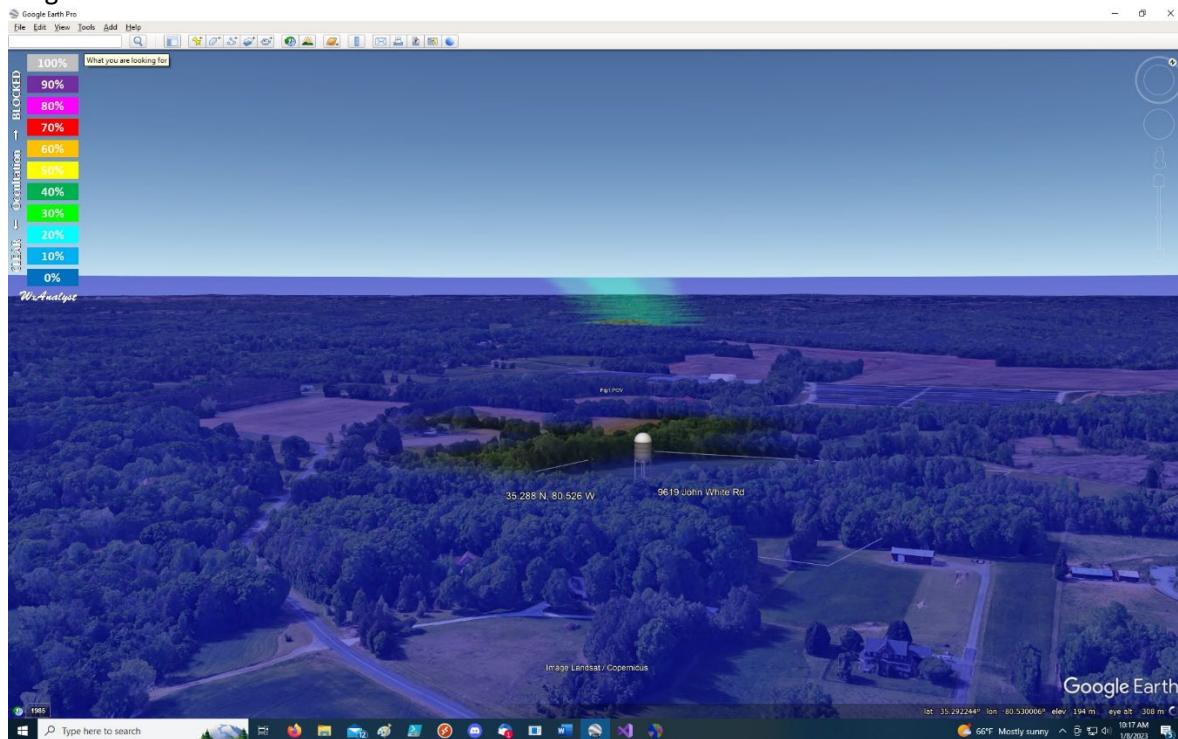


Figure 5 – Tower stack for 1.0 degree beam elevation at medium range resolution, with 110 ft feed horn height.

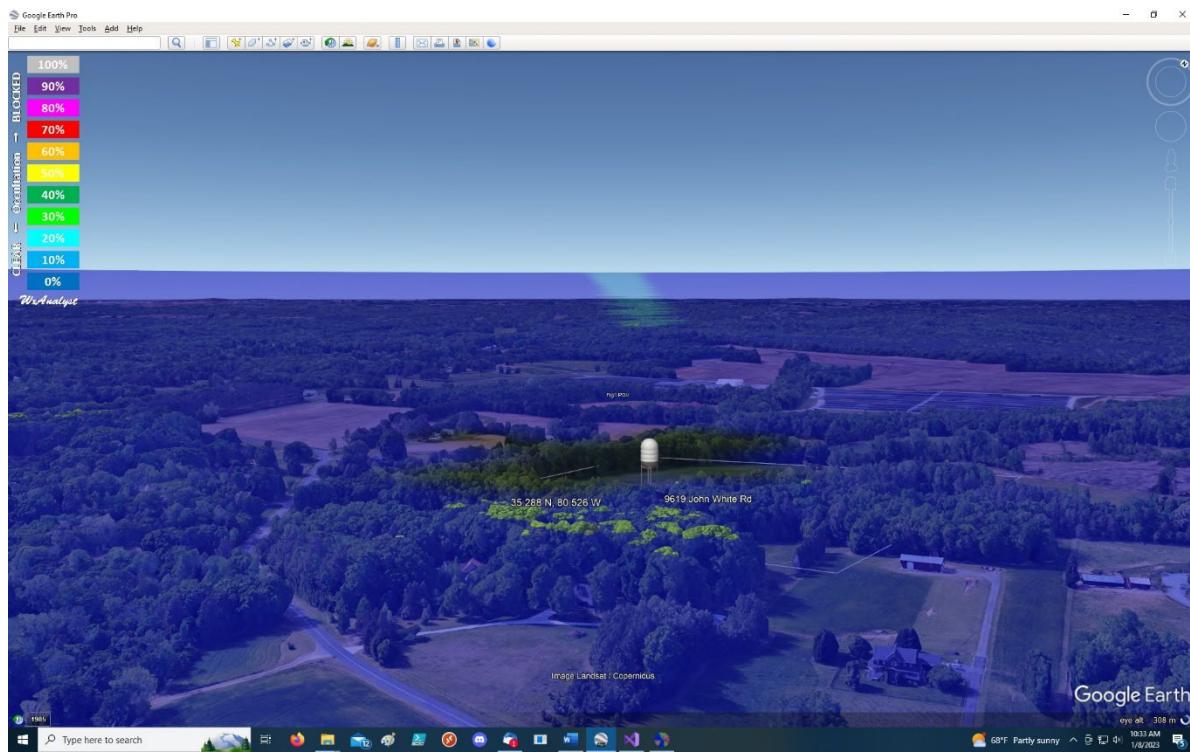


Figure 6 – Tower stack for 1.5 degree beam elevation at medium range resolution, with 80 ft feed horn height.

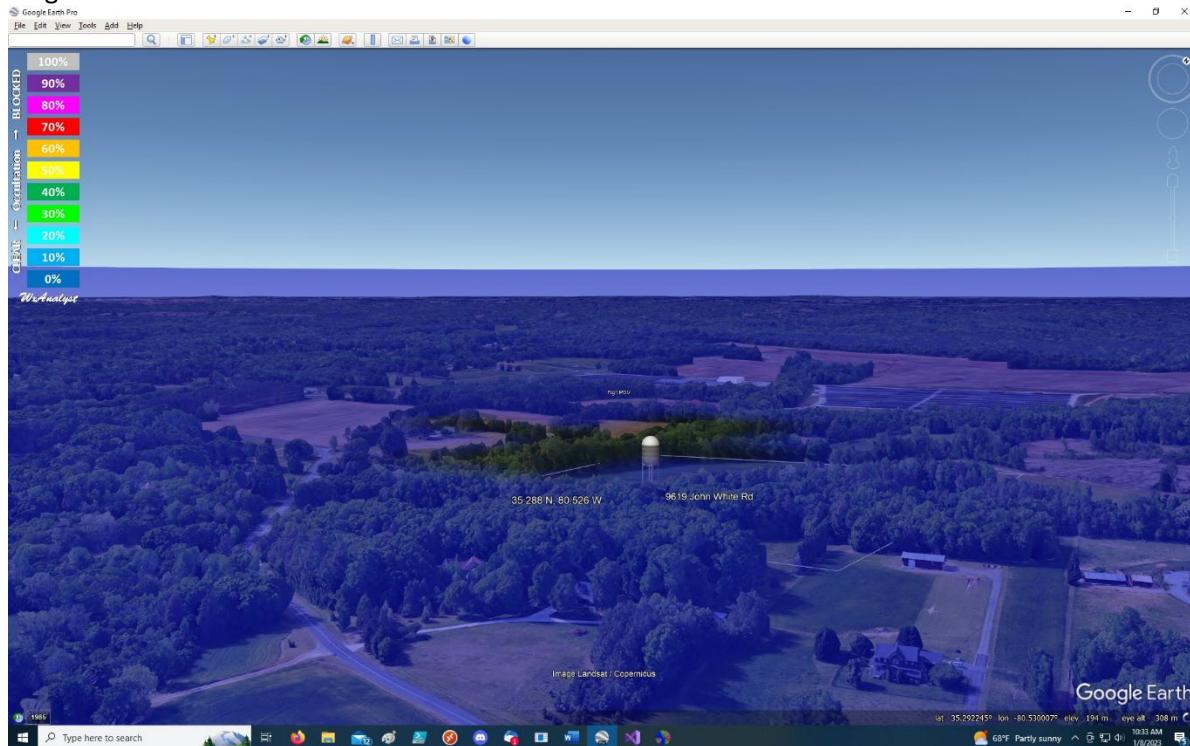


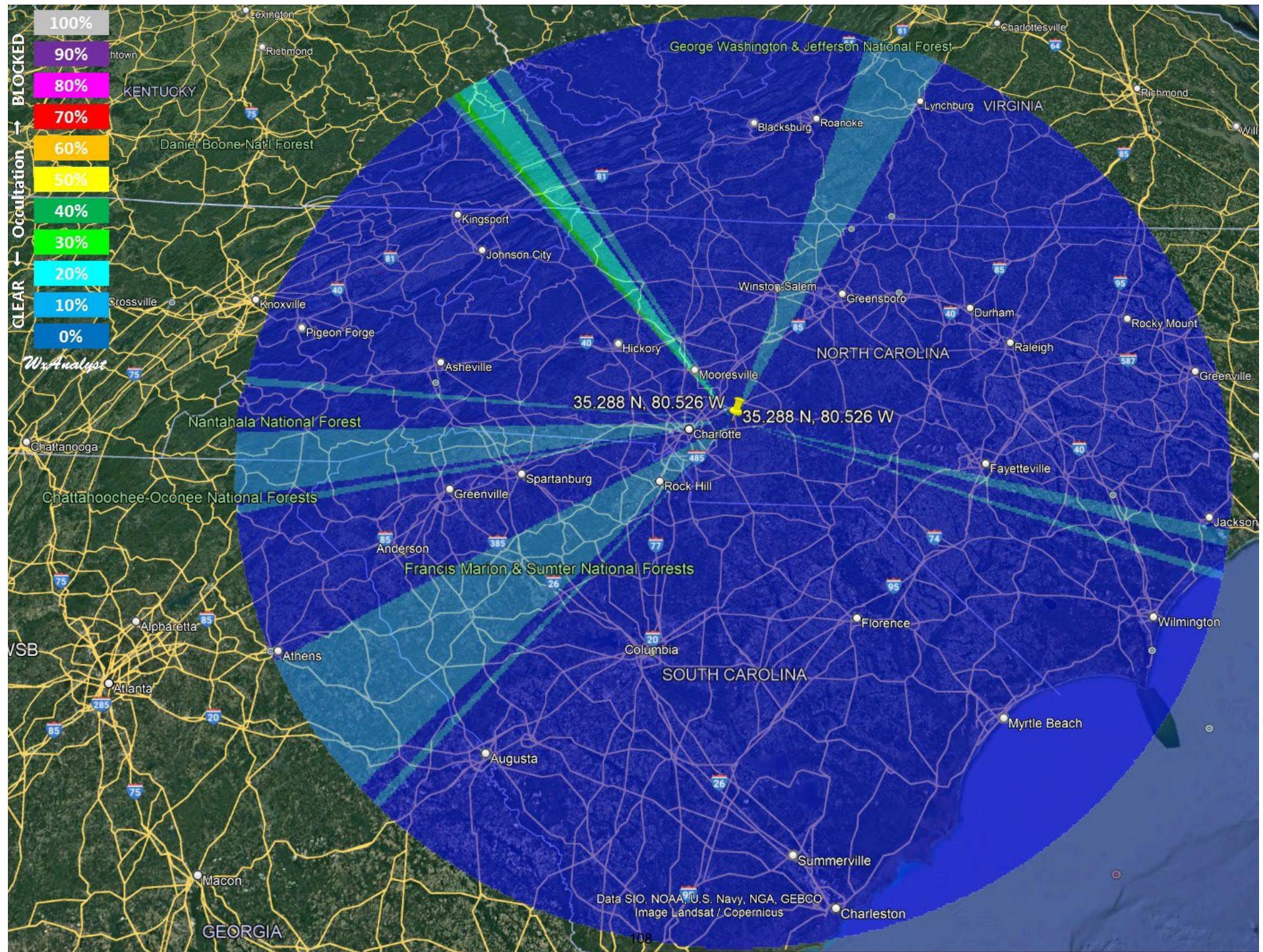
Figure 7 – Tower stack for 1.5 degree beam elevation at medium range resolution, with 110 ft feed horn height.

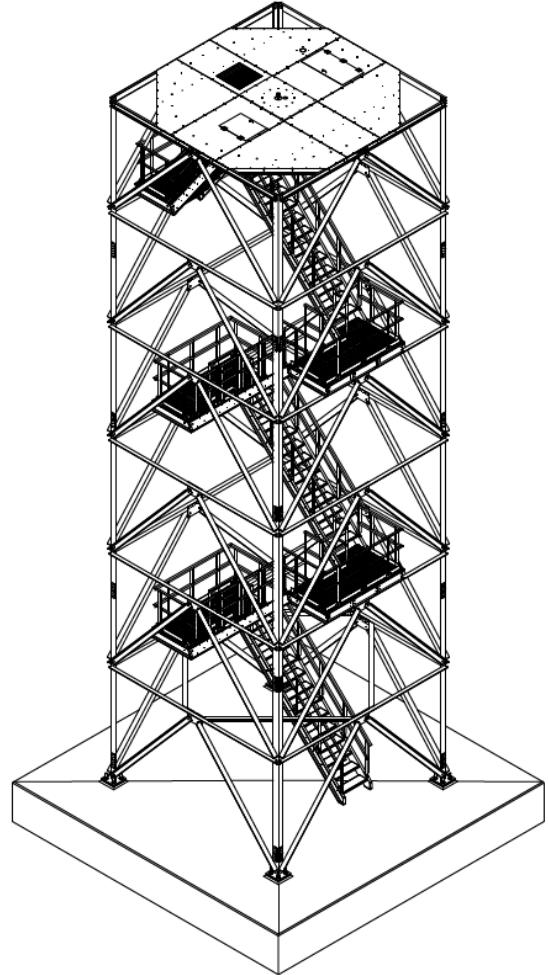
Dr. Scott T. Shipley  
WxAnalyst LTD Inc

Attached files:

35.288 N 80.526 W.kmz  
p0005 degree.kmz  
173m location.kmz  
MID 30km 0p5 tower stack.kmz

30km range ring.kmz  
MID 300km 0p5 tower stack.kmz  
MID 30km 010 tower stack.kmz  
MID 30km 015 tower stack.kmz







January 13, 2023

Dear xxxxxxxx,

As a property owner adjacent to the property (9619 John White Road, Midland, NC 28107), WSOC-TV, channel 9, Charlotte, proposed to construct a steel lattice tower, 99' in height with a 20' diameter radome on top (119' in total). You are receiving this letter for comments concerning the placement of the tower. The tower will house the WSOC-TV Weather radar. There are no ground structures within 150' of the tower. The antenna meets and exceeds all FCC RF specifications. Attached is a land plot drawing showing the actual location of the proposed tower on the property. (Blue arrow). The tower will be surrounded by a 6' security chain link fence. Trees and/or bushes will be planted in front of the fence per Cabarrus County specifications.

**You may comment via US Mail:**

Ted Hand  
Director of Engineering/Operations  
WSOC-TV  
235 West 23<sup>rd</sup> Street  
Charlotte, NC 28206

**Email:**

Ted.hand@cmg.com

Comments are due January 27, 2023

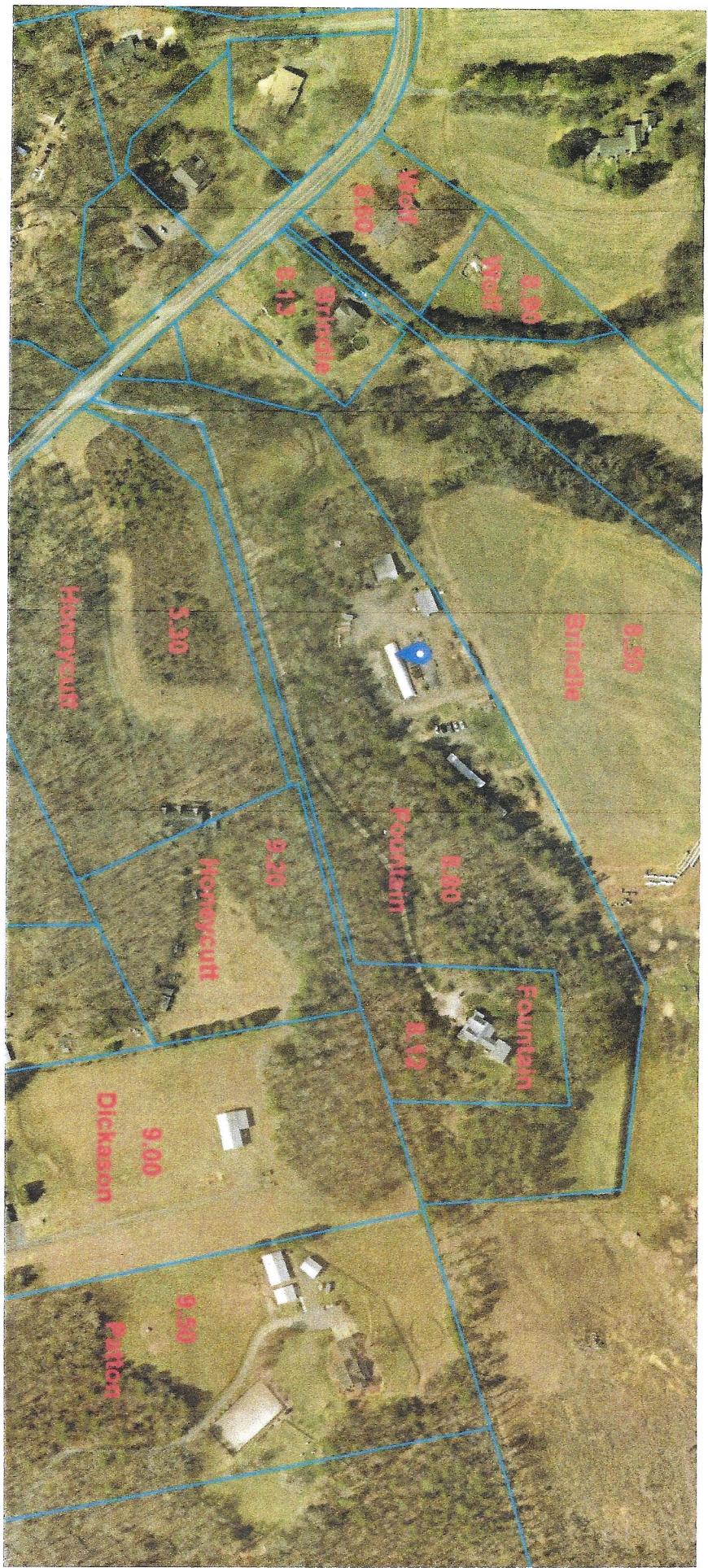
Regards and thank you,

---

Ted Hand  
Director of Engineering/Operations  
CMG-Charlotte



235 W. 23rd St. | Charlotte, NC 28206



Account Name	PIN	Property Real ID:	Physical Address	Mailing Address	Certified Mail #	Green Card #	US Mail Status
Kent & Brenda Honeycutt	55464258350000	10-008-0005.30	9725 John White Road, Midland, NC 28107	9725 John White Road, Midland, NC 28107	7022 2410 0000 1965 3561	95909402 7883 2234 8981 10	Delivered - Returned
Kent & Brenda Honeycutt	55464258350000	10-008-0009.20	9775 John White Road, Midland, NC 28107	9725 John White Road, Midland, NC 28107			
Joseph Fountain III	55464393940000	10-008-0008.12	9619 John White Road, Midland, NC 28107	9619 John White Road, Midland, NC 28107	7022 2410 0000 1965 3547	95909402 7883 2234 8981 96	Delivered - Returned
Joseph Fountain III	55464363940000	10-008-0008.80	9599 John White Road, Midland, NC 28107	9619 John White Road, Midland, NC 28107			
Jackie & Brenda Brindle	55466318760000	10-008-0008.50	9597 John White Road, Midland, NC 28107	9570 John White Road, Midland, NC 28107	7022 2410 0000 1965 3585	95909402 7883 2234 8981 02	Not picked up
Mark & Trish Brindle	55463392600000	10-008-0008.13	9595 John White Road, Midland, NC 28107	9595 John White Road, Midland, NC 28107	7022 2410 0000 1965 3608	95909402 7883 2234 8981 89	Delivered - Returned
Michael Wolf / Jean Meyers	55463383160000	10-008-0008.60	9535 John White Road, Midland, NC 28107	9539 John White Road, Midland, NC 28107	7022 2410 0000 1965 3592	95909402 7883 2234 8981 65	Delivered - Returned
Michael Wolf / Jean Meyers	55463395460000	10-008-0008.90	9539 John White Road, Midland, NC 28107	9539 John White Road, Midland, NC 28107			
Ted & Delores Dickason	55465249460000	10-008-0009.00	3105 Cal Bost Road, Midland, NC 28107	3105 Cal Bost Road, Midland, NC 28107	7022 2410 0000 1965 3578	95909402 7883 2234 8981 27	Delivered - Returned
Adam Patton	55465289060000	10-008-0009.50	3225 Cal Bost Road, Midland, NC 28107	3225 Cal Bost Road, Midland, NC 28107	7022 2410 0000 1965 3554	95909402 7883 2234 8981 41	Not picked up

**Hand, Ted (CMG-Charlotte)**

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**From:** Mark Brindle <mbrindle@windstream.net>  
**Sent:** Thursday, January 26, 2023 9:11 PM  
**To:** Hand, Ted (CMG-Charlotte)  
**Subject:** [EXTERNAL] New radar tower

CAUTION: This email originated from outside of CMG. Do not click links or open attachments unless you recognize the sender and know the content is safe.

\*\*\*\*\*

Good evening,

I wanted to ask you a few questions regarding the new tower. Is there any health concerns or issues with the radar? Will the tower interfere with any cell phone reception or tv reception? The last concern would be losing value to my home if and when I sell. The location of the tower would be seen from my dining room window and think it might be an issue with selling.

Thank you for your time,  
Mark and Patricia Brindle  
9595 John White rd.  
Midland, NC 28107  
704-361-8444

Sent from my iPhone

**Hand, Ted (CMG-Charlotte)**

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**From:** Hand, Ted (CMG-Charlotte)  
**Sent:** Friday, January 27, 2023 9:53 AM  
**To:** Mark Brindle  
**Cc:**  
**Subject:** Hand, Ted (CMG-Charlotte)  
**Attachments:** WSOC Radar Site  
tower beamwidth drawing.jpg

Mr. Brindle,

Thank you for your email.

Let me address each one of your concerns.

The radar antenna is a 16' parabolic dish antenna because of its size and it is used for weather detection, the bandwidth of the energy is very narrow. The center of the antenna will be appox. 107' above the ground level. The beamwidth of this antenna is 1.1 degrees. The energy is very focus in a spot beam. There is no measurable RF energy at ground level. I have been to the 50-60' level of the tower while the radar was operating with no concerns on my part. I have attached a drawing.

The radar current site is located 375' from a Verizon cellular tower and has been for 22 years. I have been on the tower while making a phone call and had no interference of any type. Verizon has never reported to WSOC any interference to their site.

The frequency used by the radar is 10 times higher than used by television stations. The system is equipment with filters to prevent RF spurs outside of its intended use.

The last concern is one of looks and presents. I understand that it is a 115' tower that is approxility 700-800 ' from your house. It is being placed in a maintenance / storage compound surrounded by building and greenhouses. Again I understand the building are only 15 to 20' high and will not hide the tower it self. Only you and someone who might purchase your home can be the judge of its looks. I do understand your concern.

Please feel to contact me if you have more questions or concerns.

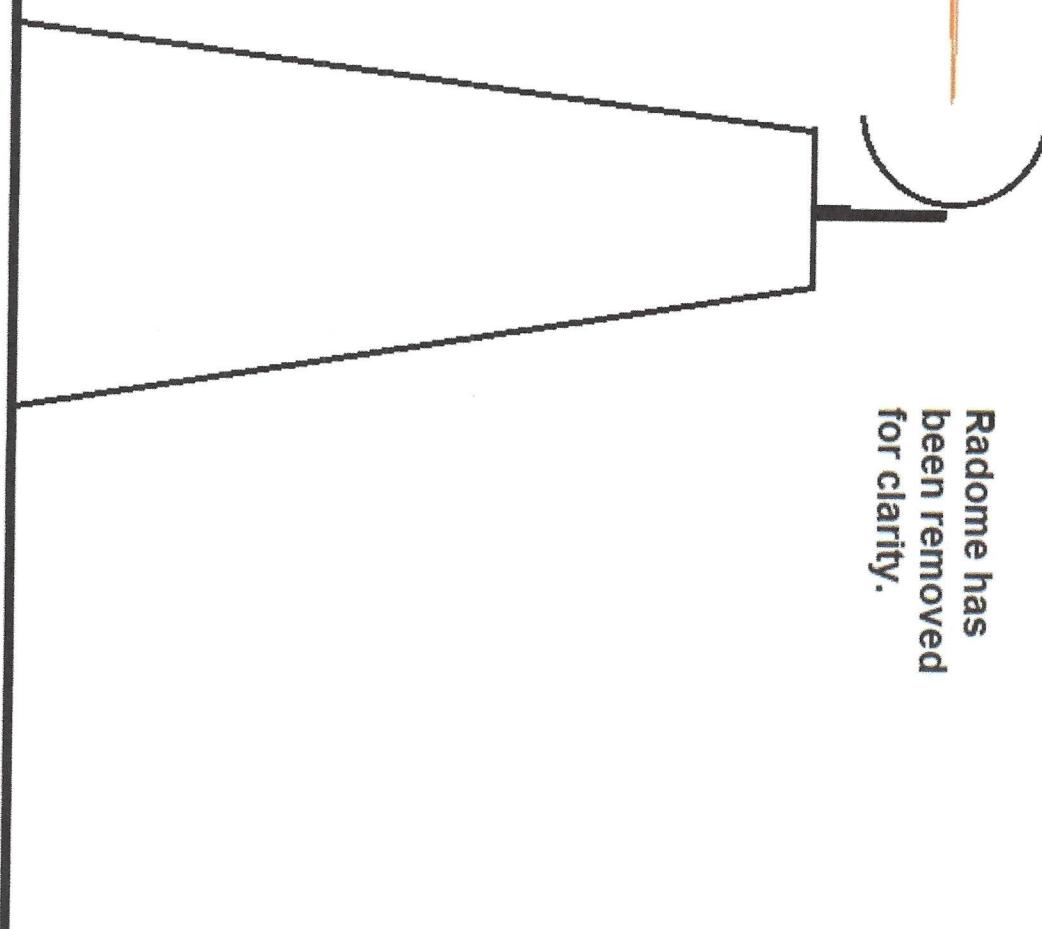
Regards

Ted Hand

## degree of beamwidth

Radome has  
been removed  
for clarity.

- At 700' this cone is only 9' wide



Drawing is not to  
scale.



**Cabarrus County Government – Planning and Development Department**

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November 21, 2023

Dear Property Owner:

A Special Use Permit Application has been filed in our office for property **adjacent** to yours. The property and specifics of the request are listed below. The Cabarrus County Board of Adjustment will consider this petition on Tuesday, December 12, 2023 at 6:30 pm in the 2<sup>nd</sup> floor Commissioner's Chambers of the Cabarrus County Governmental Center, located at 65 Church Street S, Concord, NC 28026. A Public Hearing will be conducted, and public input will be allowed during that time. If you have any comments about this variance request, I encourage you to attend this meeting.

<b>• Petitioner</b>	<b>Cedric Thomas, WSOC-TV</b>
<b>• Petition Number</b>	<b>SUSE2023-00028</b>
<b>• Property Location</b>	<b>9619 John White Road</b>
<b>• Parcel ID Number</b>	<b>5546-43-9394</b>
<b>• Existing Zoning</b>	<b>Countryside Residential (CR)</b>
<b>• Variance Request</b>	<b>Public Service Facility (Radar Tower)</b>

If you have any questions regarding this petition, or the hearing process, please contact me at Cabarrus County Planning and Development at 704.920.2149.

Sincerely,

A handwritten signature in black ink that reads "Sandy Howell".

Sandy Howell, CZO

Planner

Cabarrus County Planning and Development

704.920.2149

[sdhowell@cabbaruscounty.us](mailto:sdhowell@cabbaruscounty.us)

**Cabarrus County Government – Planning and Development Department**

November 21, 2023

Dear Property Owner:

A Special Use Permit Application has been filed in our office for your property. The specifics of the request are listed below. The Cabarrus County Board of Adjustment will consider this petition on Tuesday, December 12, 2023 in the 2<sup>nd</sup> floor Commissioner's Chambers of the Cabarrus County Governmental Center, located at 65 Church Street S, Concord, NC 28026. A Public Hearing will be conducted, and public input will be allowed during that time. If you have any comments about this request, I encourage you to attend this meeting.

• <b>Petitioner</b>	<b>Cedric Thomas, WSOC-TV</b>
• <b>Petition Number</b>	<b>SUSE2023-00028</b>
• <b>Property Location</b>	<b>9619 John White Road</b>
• <b>Parcel ID Number</b>	<b>5546-43-9394</b>
• <b>Existing Zoning</b>	<b>Countryside Residential (CR)</b>
• <b>Variance Request</b>	<b>Public Service Facility (Radar Tower)</b>

If you have any questions regarding this petition, or the hearing process, please contact me at Cabarrus County Planning and Development at 704.920.2149.

Sincerely,

A handwritten signature in black ink, appearing to read "Sandy Howell".

Sandy Howell, CZO

Planner

Cabarrus County Planning and Development

704.920.2149

[sdhowell@cabbaruscounty.us](mailto:sdhowell@cabbaruscounty.us)

Account Name	PIN	Physical Address	Mailing Address
Kent & Brenda Honeycutt	5546-42-5835	9725 John White Road, Midland, NC 28107	9725 John White Road, Midland, NC 28107
	5546-42-5835	9775 John White Road, Midland, NC 28107	9725 John White Road, Midland, NC 28107
Joseph Fountain III	5546-43-9394	9619 John White Road, Midland, NC 28107	9619 John White Road, Midland, NC 28107
	5546-43-6394	9599 John White Road, Midland, NC 28107	9619 John White Road, Midland, NC 28107
Jackie & Brenda Brindle	5546-63-1876	9597 John White Road, Midland, NC 28107	9570 John White Road, Midland, NC 28107
John & William Boger	5546-41-6853	3130 Cal Bost Road, Midland, NC 28107	3250 Cal Bost Road, Midland, NC 28107
John & Kimberly Brindle	5546-32-6762	9630 John White Road, Midland, NC 28107	9440 John White Road, Midland, NC 28107
Ted & Delores Dickason	5546-52-4946	3105 Cal Bost Road, Midland, NC 28107	3105 Cal Bost Road, Midland, NC 28107
Adam Patton	5546-52-8906	3225 Cal Bost Road, Midland, NC 28107	3225 Cal Bost Road, Midland, NC 28107

**From:** [Travis McGhee](#)  
**To:** [Sandy Howell](#)  
**Cc:** [Phillip Collins](#)  
**Subject:** RE: SUSE2023-00028 WSCO Public Use Facility  
**Date:** Friday, August 4, 2023 1:01:29 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)

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I attached the findings after discussing this with Motorola to make sure there were no issues that would be presented to the Public Safety Radio network, so from that perspective, no concerns. Just wanted you to have a copy of it if you needed it.

Thanks,

**The attachment is the email below**



Lieutenant Travis McGhee

Cabarrus County Sheriff's Office

Communications Division

704-920-3103

**From:** Matt Carpenter [matthew.carpenter@motorolasolutions.com](mailto:matthew.carpenter@motorolasolutions.com)  
**Sent:** Tuesday, February 21, 2023 12:15 PM  
**To:** Travis McGhee [TPMcGhee@cabarruscounty.us](mailto:TPMcGhee@cabarruscounty.us)  
**Cc:** Lance Kleffman [lance.kleffman@motorolasolutions.com](mailto:lance.kleffman@motorolasolutions.com); Quintero, Rafael [Rafael.Quintero@charlottenc.gov](mailto:Rafael.Quintero@charlottenc.gov)  
**Subject:** Re: Weather Radar

**CAUTION:** This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe!

Hey Travis,

In discussing with Infinity engineering, the azimuth and frequency separation should be sufficient to negate any interference concerns.

Respectfully,

Matthew

  
**A Carpenter**  
**T4E**  
**Presales Engineer**  
**Motorola**  
**Solutions, Inc.**  
[LinkedIn](https://www.linkedin.com/in/a-carpenter-1a233a193)  
(704) 677-0650

---

**From:** Sandy Howell <sowell@cabarruscounty.us>  
**Sent:** Friday, August 4, 2023 10:41 AM  
**To:** Morgan, Marc P <mmorgan@ncdot.gov>; Jacob Thompson <jathompson@cabarruscounty.us>; Ray Gilleland <JRGilleland@cabarruscounty.us>; Tammi-Sue Remsburg <tremsburg@cabarruscounty.us>; Justin Brines <jrbrines@cabarruscounty.us>; Travis McGhee <TPMcGhee@cabarruscounty.us>; Faulkner, Jason S <jsfaulkner@ncdot.gov>; chrystal.swinger@cabarrushealth.org; Brandy Webster <bewebster@cabarruscounty.us>  
**Cc:** Phillip Collins <PECollins@cabarruscounty.us>  
**Subject:** SUSE2023-00028 WSCO Public Use Facility

Attached are the site plan and application for a new Public Use Facility (WSOC Radar Tower) request on John White Rd. WSOC TV is proposing the radar tower at 9619 John White Road (PIN 5546-43-6394) and Board of Adjustment approval of a special use permit is required in order to construct Public Use Facilities in the CR zoning district. Please review this plan and send your comments to me via email on or before **Friday August 18, 2023**.

In Your Service,

**Sandy Howell, CZO**

Planner

*Planning Department*  
**Cabarrus County**  
**65 Church St. SE, Concord, NC 28025**  
P.O. Box 707, Concord, NC 28026

O: 704-920-2149

F: 704-920-2227

[www.cabarruscounty.us](http://www.cabarruscounty.us)

