

PUTNAM COUNTY BOARD OF ZONING APPEALS MINUTES

The Putnam County Board of Zoning Appeals met for its regular monthly meeting on June 14, 2021, at 7:00 p.m. in the Putnam County Courthouse, 1 West Washington Street, 1st Floor, Greencastle, IN 46135. Raymond McCloud called the meeting to order at 7:00 p.m. A roll call was taken to determine a quorum. The following members were present: Raymond McCloud, Kevin Scobee, Randy Bee, Ron Sutherlin, and Lora Scott. Also, present were Lisa Zeiner, Plan Director; Tera Stevenson, Building Office Manager; and Jim Ensley, County Attorney joined via phone. Audience present see attached sign in sheet.

REVIEW OF MINUTES:

Raymond McCloud asked if there were any corrections or additions to the May 10, 2021, meeting minutes.

Lora Scott stated that it appeared she was missing some pages of the minutes in her packet.

Ron Sutherlin made a motion to approve the minutes as submitted.

Randy Bee seconded the motion. The May 10, 2021, minutes were approved with all in favor

OLD BUSINESS:

UPDATE ON CEDAR CREST PROPERTY – parcel located at 3936 E US 40 Greencastle, Indiana and 4518 S CR 400 E Greencastle Indiana.

Lisa Zeiner presented pictures that were taken by the Building Inspector earlier in the day. Mrs. Zeiner stated that based on the Inspector's observations and the pictures the property was 90% to 95% cleaned up.

Kim Brinker, property owner, approached the board. Ms. Brinker stated that the rest of the trash/debris would be cleaned up within three (3) days. Ms. Brinker explained that it would take that long to complete the required clean up.

Mrs. Scott asked about the buildings that were still standing.

Ms. Brinker explained that one of the buildings held all the mechanical items for the farm, being water, electrical, etc. Ms. Brinker stated that the remaining buildings would not be torn down so that the equipment was protected, and the other structure was used as storage.

Mrs. Scott asked what action was needed since the work was almost complete.

Jim Ensley stated that a motion and a second would be required to extend the deadline.

Mrs. Scott asked what would be required to conclude the action.

Mr. Ensley explained that once the work was completed the order would need to be rescinded with a vote.

Mrs. Scott made a motion to give Cedar Crest thirty (30) days to have the property 100% cleaned up and brought back to the Board at the July 12, 2021, meeting.

Mr. Bee seconded the motion. Motion was approved with all in favor.

2021-BZA-20: RICHARD DANA BOYD – DEVELOPMENT STANDARDS VARIANCE: to split a 5-acre parcel into two (2) parcels being 1.8-acres with 370 feet of road frontage and 3.2-acres with 402 feet of road frontage; Cloverdale Township; 5/12N/4W; Zoned A1 (10497 S CR 190 W)

Greg Williams, ASA Land Surveying and agent for petitioner, approved the Board. Mr. Williams presented the proposed survey splitting the property into two parcels with one parcel being 1.8 acres with 370 feet of road frontage and the other parcel being 3.2 acres with 402 feet of road frontage.

Mr. McCloud stated that last month he had abstained from the vote on this project. Mr. McCloud explained that after a discussion with Mr. Ensley he would be voting on this project. Mr. McCloud asked if the 3.2-acre parcel was vacant ground.

Mr. Williams state that the proposed 3.2-acre parcel was vacant.

Kevin Scobee made a motion to approve the development standards variance as presented.

Mr. Sutherlin seconded the motion. The development standard variance to allow a 5-acre parcel to be split into a 1.8-acre parcel and 3.2-acre parcel was approved with a vote of 4 to 1 (Lora Scott voted against the motion).

Mrs. Scott seconded the motion. The case as tabled with all in favor.

2021-BZA-21: WILLER TIMBER RIDGE – SPECIAL EXCEPTION: to allow a LIVEstock Music Festival and Agricultural Public Relations/Education events in an A1 District; Warren Township; 1/13N/4W (on the west side of CR 300 E approximately 424 feet north of US 40).

Mr. McCloud asked if there was anyone that was not present at the last meeting that would like to speak. Mr. Ensley the best way to proceed with this case since it was continued from the May meeting.

Mr. Ensley stated that in the past when a meeting was held over and a ruling was made that if you spoke at the first meeting then they did not need to speak at the next meeting. Mr. Ensley explained that this case was a little different than the other cases because the public notice was not perfected. Mr. Ensley stated that at the meeting in May the public notice in the paper was not perfected so tonight is the first time the public notice was completed. Mr. Ensley explained that it would be necessary for those individuals that spoke at the last meeting to speak tonight.

Mr. McCloud stated that those that were not at the meeting in May would be able to speak first then those that spoke at the May meeting would be allowed to speak.

Mr. Sutherlin stated that he would be abstaining from the vote as he is an adjoining property owner and does business with the Willer's.

Mr. McCloud turned the meeting over to Lora Scott as the senior member of the Board to preside over this portion of the meeting.

Mrs. Scott stated that the objective of the meeting was to ensure that everyone, for or against, would get the chance to voice concerns. Mrs. Scott explained that there is some confusion about the meeting. Mrs. Scott stated that Josh Willer had asked on Wednesday of last week that the petition be

withdrawn, then on Thursday asked for the petition to be reinstated. Mrs. Scott asked if there had been any phone calls or concerns.

Mrs. Zeiner stated that there has been a lot of phone calls and emails. Mrs. Zeiner explained that over one hundred emails have been received. Mrs. Zeiner stated that there were 66 emails in support of the petition, 29 emails in complete opposition of the petition, and 18 emails in opposition but would consider restriction on noise and hours. Mrs. Zeiner explained that the majority of the opposition had concerns with the noises and hours of operation from last year. Mrs. Zeiner stated that there was one verbal that they did not music pass 11 p.m. and no music on Sunday. Mrs. Zeiner further stated that there were at least eleven people that signed a petition of opposition.

Mrs. Scott asked if there was a total on the number of letters/emails received.

Mrs. Zeiner stated 66 in support, 29 in opposition, 18 in opposition but would consider restrictions.

Karen Heavin, Warren Township Trustee, approached the board. Mrs. Heavin asked how many of the opposed are Putnam County residents and how many in favor are in Putnam County.

Mrs. Zeiner stated that the questions could not be answered because most of the emails did not include an address or location of the sender, only an email.

Mrs. Heavin explained that when she came in the office to review the letters all, but one who were in opposition were from Putnam County. Mrs. Heavin stated that Mrs. Zeiner was correct a lot of the letters in support did not indicate where they were from. Mrs. Heavin requested that the Putnam County residents were heard whether in favor or in opposition.

Mrs. Scott explained that she went through all the emails that were in support. Mrs. Scott stated that were 59 total emails of those emails there were 15 Putnam County resident, some of those were vendors or involved in the production. Mrs. Scott explained that there were 10 in support who lived in Putnam County that were not a vendor or a volunteer. Mrs. Scott stated that for those meeting that spoke at the last meeting and wrote letters there was a total of 31 in opposition.

Mrs. Zeiner stated that some of the letters received were duplicate emails.

Brian Zaiger, lawyer representing various landowners adjacent to the site who opposed the petition, approached the board. Mr. Zaiger stated that he assumed the emails were from individual who could not attend the meeting. Mr. Zaiger explained that there are various petitions that will be presented at the meeting.

Mrs. Scott stated that this was an unusual situation because there have already been some people who have spoken, we cannot hear very well, and this is not normally how a hearing is conducted for the BZA. Mrs. Scott explained that for those people who are opposed who did not have a chance to speak at the May meeting if you would like to address the board, please keep comments to three to four minutes, nothing over four minutes. Mrs. Scott requested that the speaker state where they live in relation to the property, and do not keep repeating the same complaint.

Mrs. Scott opened the public hearing.

Someone from the audience approached the board with a concern of not allowing those that spoke at the May meeting from speaking again.

Mr. McCloud stated that what the Board was doing is giving anyone that was not at the last meeting the opportunity to speak first and then those that were at the May meeting would have the opportunity to speak.

Christine Comer, also representing her husband Chris Comer who was out of town, approached the board. Mrs. Comer stated that they live in a very secluded area west of the concert/festival. Mrs. Comer explained that last year their windows were literally rattling at 4:00 a.m., Saturday through Sunday their dogs were howling because the noise was hurting their ears, even with fans. Mrs. Comer stated that what was most disturbing was when they went to the festival to check it out. Mrs. Comer explained that they spent \$60 to get into the event. Mrs. Comer stated that after 2-hours at the event they left because of the marijuana use. Mrs. Comer explained that marijuana is illegal in Indiana. Mrs. Comer stated they left with headaches and nausea. Mrs. Comer explained that marijuana bongs and pipes in one of the tents. Mrs. Comer stated that this is in their backyard. Mrs. Comer explained that they chose to live in the county, but this event is not agricultural event. Mrs. Comer stated that they have been to other concert events where there are drug sniffing dogs, police officers, perimeters, and there is a time limit on when the concerts end. Mrs. Comer explained that their privacy and safety is being put into jeopardy. Mrs. Comer stated that people from all over the county will be coming to this event with no regard to personal property or need to get sleep.

William Honey, resident at 2642 Skyline Drive Greencastle, property borders the Willer's southwest corner, approached the board. Mr. Honey stated that he did not have a problem when this event was once a year or even twice a year. Mr. Honey explained that his issue is that people invaded his back property because it was so close. Mr. Honey stated he did not appreciate the fact that he had to clean up after that. Mr. Honey explained that the roads leading to the Willer's farm are not just US 40, they are county roads. Mr. Honey stated that Mr. Willer is hoping to get 100,000 people after time to come to the events. Mr. Honey explained that the traffic would cause wear and tear on the roads that Warren Township would have to ask for money to fix roads. Mr. Honey stated that emergency services could be drained when there is an incident at the site. Mr. Honey further stated that after the last meeting no events were allowed until after permission was giving. Mr. Honey explained that there was an event on Memorial Day.

Mrs. Zeiner stated that Brian Zaiger and Kevin Buchheit had some concerns about the meeting process.

Brain Zaiger approached the board. Mr. Zaiger stated he was trying to understand the process and rules of procedures. Mr. Zaiger explained that he was concerned that the petition did not present their case before the public began speaking. Mr. Zaiger stated that the venue was less than adequate for everyone to hear even with a microphone. Mr. Zaiger explained that with the withdrawal of the application on Wednesday there were a lot of people that had planned to not attend the meeting, then it was added back on the agenda on Thursday. Mr. Zaiger requested that the case be continued, and the petitioners be required to re-notice pursuant to the Rules of Procedures so that everyone was on the same page.

Mrs. Scott told Mr. Ensley (who was joining the meeting via cell phone) that the attorneys for the opposition are presenting is that the Board is not following proper procedure because the case was not advertised properly to begin with, and the Board went ahead with the meeting last meeting so those that were present at that meeting know what the Willer's presented. Mrs. Scott explained to Mr. Ensley that the opposition is saying it was not done properly because of the notification. Mrs. Scot

stated that the opposition is suggesting that it would be more appropriate to rescheduled to another time. Mrs. Scott stated that she did not feel it needed to be re-advertised if there is notice and reporting in the local paper.

Mr. Ensley stated that if the Board chose to table the meeting no notice needs to happen further. Mr. Ensley explained that any landowner that received notice via certified mail would have been at the last meeting. Mr. Ensley stated that those that received notice via the paper of this meeting would be on notice of any continuation. Mr. Ensley explained that for the Rule of Procedures that by having the meeting tonight and allowing anyone to speak as well as having the transcript of the May meeting helps. Mr. Ensley stated that it is up to the Board on whether to continue or not, as long as there is at least 48 hours' notice given.

Mrs. Scott stated that the Board needs to discuss and decide what needs to be done that meets all the requirements, procedures and anyone who wishes to make comments. Mrs. Scott explained that the facts of the case would need to be presented since there are those that did not hear the facts of the case from the last meeting. Mrs. Scott stated that the Board needed to start over instead of starting with comments.

Mr. Ensley stated that there are recorded minutes from the last meeting. Mr. Ensley explained that since those were not approved until this meeting and therefore were not available to the public. Mr. Ensley stated that if the Board make a final decision tonight someone could make an argument that they did not have a copy of the minutes since they were not approved until tonight.

Mrs. Scott stated that she believes the board needs to start over, but not tonight.

The Board discussed available dates to reschedule the meeting and check on holding the meeting at the fairgrounds.

Mrs. Heavin offered to check and see if the fairgrounds would be available.

Mrs. Scott stated that this was not standard procedures for how meetings are conducted.

Mrs. Heavin stated that she sent a text asking for Harris Hall or the Community Building to see if it is available. Mrs. Heavin explained that the Community Building would not be available on the June 23rd.

Mr. Ted Willer stated that the 23rd would not work for them. Mr. Willer stated the 22nd or 28th would be better.

Mr. Sutherlin stated that the Willer's needed to understand that Mr. McCloud would not be at the meeting if held the week of June 21st. Mr. Sutherlin explained that he would be abstaining and with Mr. McCloud being absent all three-members present would have to agree unanimously for the vote to pass.

Mrs. Scott stated that the reason that the meeting is being re-done is because the meeting was not advertised in an appropriate time and the withdrawing then resubmittal.

Mr. Ted Willer stated that he would prefer the meeting be on July 12th at the regular scheduled meeting so that the full board would be in attendance.

Mr. Scobee asked if there was anything else that would be on the July agenda.

Mrs. Zeiner explained that the BZA deadline was last Friday. Mrs. Zeiner stated that she did not believe there was anything else on the agenda.

Mrs. Scott thanked everyone for their patience and for coming out to the meeting. Mrs. Scott explained that the board members are volunteers not elected. Mrs. Scott stated that the board was chosen by the Commissioner's. Mrs. Scott explained that this was the first case for this type of venue.

Mrs. Heavin stated that the Community Building East half only was available on July 12th at 7:00 p.m. and the capacity was 150.

Mrs. Scott explained that this meeting would start from scratch with the Willer's presenting their case.

Mr. Scobee made a motion to table 2021-BZA-21 Willer Timber Ridge Special Exception until the July 12, 2021, meeting at 7:00 p.m. with the meeting being held at the Putnam County Fairgrounds Community Building in the East half of the building. Mr. Scobee stated that it is meeting would start from scratch with the Willer's making their presentation. Mr. Scobee stated that a legal notice would need to be in the paper.

Mrs. Zeiner stated that she would take care of the legal notice.

Mrs. Scott seconded the motion. Motion passed with all in favor, Mr. Sutherlin abstaining.

NEW BUSINESS:

2021-BZA-25: CLYDE DAVID WHITAKER – SPECIAL EXCEPTION: To allow for a contractor's storage yard in an R2 zoning district; Clinton Township; Grassick Subdivision Lot 10; 23/15N/5W; Zoned R2 (4522 N Grassick Ave)

David Whitaker, petitioner approached the board. Mr. Whitaker stated that he started a small business and placed equipment in a building. Mr. Whitaker explained that there were some zoning issues that needed to be addressed and he is asking to be able to store the equipment at his property that is zone R2.

Mr. McCloud opened the public hearing portion of the meeting.

Eddie Felling, Felling & Felling Law Firm representing Thomas Grassick, approached the board. Mr. Felling explained that he spoke with Mr. Whitaker and believe that they have come to an agreement on restrictions. Mr. Felling stated that this property is zoned R2. Mr. Felling explained that the definitions allow for any type of for hire work to circumvent normal zoning rules, which is what this storage yard classification does. Mr. Felling stated that his client and the neighbors have concerns regarding property value and health at it specifically relates to the manure spreading business. Mr. Felling listed the stipulation that his client would like to see placed on this case:

1. No manure storage on site above or below ground
2. No for hire equipment repair onsite
3. 8 p.m. stop time regarding operating equipment and power tools inside the facility
4. All equipment stored indoors, once inside it stays inside with doors shut until the equipment goes out the next day

5. Spreading equipment is not cleaned onsite – equipment to be cleaned prior to coming to the site

Mr. Whitaker stated that the building is not climate controlled. Mr. Whitaker further stated that the doors face East/West. Mr. Whitaker explained that the equipment including residual manure, is required to be sterilized clean when arriving at the job site. Mr. Whitaker stated that the equipment is cleaned for show and shine. Mr. Whitaker stated that some of the equipment is larger than what the building will facilitate. Mr. Whitaker explained that it does not get dark until 9 p.m. Mr. Whitaker stated that he respects his neighbors but does not agree with not allowing equipment to sit out overnight.

Mr. McCloud asked about cleaning of equipment after application in the field.

Mr. Whitaker stated that the equipment is sterilized when going into the facilities and when coming out of the facilities. Mr. Whitaker explained that there was too much risk of cross contamination and disease spread when moving from one facility to another facility without sterilizing the equipment between facilities.

Mr. Bee asked if the barn doors are shut and locked up at the end of the day.

Mr. Whitaker stated that as long as something is not disabled and hanging out the door, yes, they are shut and locked. Mr. Whitaker explained that some equipment articulates out and will not fit in the building when being repaired or maintained.

Mr. Bee asked about the work season.

Mr. Whitaker stated that his work season is three (3) months in the spring and four (4) months in the fall.

Mrs. Scott asked if when the season is over equipment is stored in the building.

Mr. Whitaker stated that unless the equipment is being maintained it is stored in the building.

Mr. Matthew Lepscom, neighbor, approached the board. Mr. Lepscom stated concerned with the 8 p.m. stop time. Mr. Lepscom explained that his season is during school time and his kids window faces the building. Mr. Lepscom stated his kids have trouble sleeping.

Mr. Scobee stated that the season starts in March, so the equipment does not come back until done in the spring then goes back out summer or fall. Mr. Scobee explained that the equipment is usually inside when it is out of season.

Mr. Whitaker stated that was correct.

Mr. Scobee stated that he would like to see the neighbors get along.

Mr. Sutherlin said there seems to be a conflict in that the owner is leaving and not coming back, but the neighbors are saying it is coming back.

Mr. Felling stated that it is not just the equipment. Mr. Felling explained that there are power tools that are being used not just for repairs to items related to the business. Mr. Felling stated that there is car and truck repairs happening at the site.

Mr. Sutherlin asked if that was what they were asking to stop at 8 p.m.

Mr. Felling stated that was correct.

Mr. Sutherlin stated that there was a neighbor who was saying that his kids could not sleep because the tractors are coming and going, but the owner is saying the tractors do not come and go. Mr. Sutherlin asked which is it?

Mr. Lepscom stated that the tractors are not coming and going, but the work vehicles are coming and going.

Mr. Whitaker stated those were personal vehicles.

Mr. Sutherlin stated he is trying to determine what the issue is.

Mr. Lepscom stated it is the noise from the trucks and power tools that he wants stopped.

Mr. McCloud asked what the time Mr. Whitaker came back to the site.

Mr. Whitaker stated he was self employed so he does not have a time clock. Mr. Whitaker explained that when the work is completed, he returns to his dwelling. Mr. Whitaker stated that work on the vehicles could get loud at times. Mr. Whitaker stated that he has never gotten any complaints from the neighbors about noise.

Mr. McCloud asked if the doors of the barn were closed when work was being done.

Mr. Whitaker stated that if it was hot outside the doors were opened and if it was cold outside the doors were closed. Mr. Whitaker explained that the barn did not have heating or cooling installed.

Danielle Painter, resides at Mr. Whitaker's property, approached the board. Ms. Painter stated that the only time the doors are open is in the summertime. Ms. Painter explained that kids were not in school during the summer.

Mr. Scobee stated that the board was attempting to fix a zoning issue that arose during the time Mr. Hatfield was the Plan Director.

Mr. Whitaker stated that he believes he has fulfilled the county's requirements.

Leisa Moreland, 3989 W CR 450 N, approached the board. Ms. Moreland stated that she lives across the field from Mr. Whitaker. Ms. Moreland explained that she has lived there for 4-5 years. Ms. Moreland stated that there is a lot that goes on at this property and she thought it was just personal not a business. Ms. Moreland explained that there was a lot of noise late at night, including a lot of reeving of engines. Ms. Moreland stated that the commercial light that was on the structure shines directly into her dwelling and she can smell odors coming from the property.

Mr. Whitaker stated that there was a neighbor that worked on hot rods and reeved engines.

Mr. McCloud asked how long Mr. Whitaker had been on the property.

Mr. Whitaker stated about twelve years.

Mr. Whitaker showed the board on an aerial where Ms. Moreland lived compared to where his property was located.

Mr. McCloud asked if anyone else wished to be heard on this project. No one came forward. Mr. McCloud closed the public hearing portion for this meeting.

Ms. Scott stated that she agreed with Mr. Felling except that it is unreasonable to keep the doors closed when working on equipment when the building is not climate controlled. Mrs. Scott explained that there may be times where the equipment could not be stored in the building when it is being worked on.

Mr. Scobee stated that the time constraint of 8 p.m. is unreasonable in the summertime as it does not get dark until 9 p.m.

Mr. Bee stated that 8 p.m. is not a reasonable stop time.

Mr. Sutherlin stated that he was not sure that he agreed with no equipment cleaning. Mr. Sutherlin explained that equipment has to be cleaned before it goes on to the property per IDEM.

Mr. Whitaker stated that all manure is cleaned offsite. Mr. Whitaker explained that the power washing is done for showmanship only.

Mrs. Scott made a motion to approve the special exception for a contractor's storage yard operated by Clyde David Whitaker with the following provisions:

1. No manure storage onsite
2. The site is not to be a for hire repair site
3. That power washing of the injection equipment to remove manure and mud is done prior to moving the equipment to this site building for maintenance. Power washing within the building for maintenance is allowed
4. The special exception is not transferable to anyone, does not run with the site.

Mr. Whitaker asked if that would include his son. Mr. Whitaker stated that he would like for his son to take over the business.

Mrs. Scott explained that special exceptions are limited to the applicant.

Mr. McCloud stated that Mr. Whitaker's son would have to apply to the board for a special exception.

Mrs. Scott stated that if a corporation or business were applying for the special exception and Mr. Whitaker's son was a part of the corporation or business then the special exception would be for the business.

Mr. McCloud asked if both parties agreed with the proposed motion.

Mr. Felling stated that time was still important. Mr. Felling suggested if it is after 8 p.m. the doors need to be shut in the summertime.

Mr. Scobee stated that in the summertime that would not be feasible since the building is not climate controlled if there is maintenance to be done on the equipment.

Mr. Felling stated that this was a residential district.

Mr. Sutherlin stated that he did not agree with the 8:00. Mr. Sutherlin asked if there was another option, at dark or 10 p.m.

Mrs. Scott stated what if 10 p.m. for a stop time of the power tools.

Mr. Scobee stated that he did not like placing a time limit on working on equipment.

Mr. Sutherlin stated this is not an ongoing nightly thing.

Mrs. Scott restated the motion to approve the special exception for a contractor's storage yard operated by Clyde David Whitaker with the following conditions:

1. No manure storage on site
2. Site is not to be used as a for hire repair shop
3. Monday through Thursday a 10:00 p.m. stoppage time for the usage of power tools, 11 p.m. on Friday and Saturday nights
4. Power washing of injection equipment to remove manure and mud is done prior to moving to this location for maintenance
5. Not transferable to another individual.

Mr. Ensley asked for clarification on the approval. Mr. Ensley asked if this approval is meeting the criteria that is in the requirements for a special exception.

Mrs. Scott stated that was correct.

Mr. Felling stated that Sunday was missed in the motion.

Mrs. Scott amended the motion to include Sunday stoppage time for usage of power tools is 10 p.m.

Mr. Scobee stated that he would not support the motion.

Mr. McCloud stated he could not support the motion putting a time limit on work that is necessary to be completed for maintenance as a self-employed person. Mr. McCloud explained that he was good with everything else in the motion just not the 10 p.m. Mr. McCloud said it would be a guideline but not an everyday occurrence.

Mr. Bee asked about putting a stipulation to observe these times when possible.

Mr. McCloud stated that it could be on an as needed bases. Mr. McCloud explained that 10 would be the shut off but in an emergency the time could be extended. Mr. McCloud stated that the board was trying to appease everyone.

Mrs. Scott withdrew the motion.

Mr. Scobee asked if the special exception be granted without the time stipulation but add a stipulation that the special exception be renewed in one year.

Mr. McCloud stated that has been done in the past.

Mr. Felling stated that would be acceptable.

Mr. Scobee made a motion to approve the special exception for a contractor's storage yard operated by Clyde David Whitaker with the following conditions:

1. No manure storage of any kind on the premises
2. No for hire repair shop
3. All manure and mud must be cleaned from the injection equipment before it returns to the storage facility

4. Not transferable to another person
5. The special exception reviewed by the Board of Zoning Appeals one year from May 14, 2021. It is Mr. Whitaker's responsibility to make sure this is on the agenda.

Mr. McCloud seconded the motion. Motion carried with all in favor.

2021-BZA-27: BRANDI HOLTZE – SPECIAL EXCEPTION: To allow a daycare and preschool to be conducted at the property in an accessory building; zoned A1; Russell Township; 14/16N/5W (4462 W CR 1100 N)

Brandi Holtze, petitioner, approached the board. Mrs. Holtze stated that the property is located one and a half miles west of the highway on the north side of the road. Mrs. Holtze explained that they have been at the property for fourteen years and been doing home daycare for 21 years most in the Town of Roachdale before moving to this location. Mrs. Holtze stated that one of the reasons that the property was purchased was for the extra area on the garage. Mrs. Holtze explained that the garage originally had in-law quarters but had been striped. Mrs. Holtze stated that a small kitchenette and bathroom was added to the garage area where the in-law quarters had been originally located. Mrs. Holtze explained that her daycare is licensed by the State of Indiana. Mrs. Holtze stated that the daycare had been running inside her dwelling while the garage was being remodeled. Mrs. Holtze explained that she is required to get a paper from the County that states a home daycare is allowed on the property.

Mr. McCloud asked if letters were sent out and if anyone had objected.

Mrs. Zeiner stated that the Planning Office had not received any phone calls on this project and the letters and public notice was completed.

Mr. McCloud asked about the hours of operation.

Mrs. Holtze stated that currently the hours are 7:00 a.m. until 5:00 p.m. however she was considering extending the hours to 6:00 p.m.

Mr. Sutherlin asked if it was a state licensed daycare.

Mrs. Holtze stated that she does have a license from the State to run the daycare.

Mr. McCloud asked about the number of children on site.

Mrs. Holtze stated that she was allowed to have sixteen children. Mrs. Holtze explained that she is the highest-level daycare. Mrs. Holtze stated that her daycare is rated Class II.

Mrs. Scott asked how long the daycare has operated at this site.

Mrs. Holtze stated the daycare has operated for fourteen years. Mrs. Holtze explained that it started inside the dwelling then moved to the garage.

Mrs. Scott asked if Mrs. Holtze had a waiting list.

Mrs. Holtze stated that she has a huge waiting list. Mrs. Holtze explained that there is a huge need for childcare in the state right now.

Mrs. Scott asked about the age range of the children at the daycare.

Mrs. Holtze stated that she is licensed for zero to twelve years of age. Mrs. Holtze explained that typically stay within the three-to-five-year range. Mrs. Holtze stated that right now in the North Putnam District she is the only preschool that takes kids that do not have to say all day for childcare.

Mr. Sutherlin asked if Mrs. Holtze had help.

Mrs. Holtze stated that she has two employees. Mrs. Holtze explained that if someone is sick the preschool is cancelled but the daycare can remain open as the preschool teacher will move to assist in the daycare.

Mrs. Scott stated that Mrs. Holtze does a good job.

Mr. McCloud made a motion to approve the special exception to allow a daycare in an accessory structure ran by Brandi Holtze as presented.

Mr. Scobee seconded the motion. Motion carried with all in favor.

Mrs. Holtze requested a formal letter or something in writing showing that this was passed.

Mrs. Zeiner stated that she would prepare the Findings of Fact and email that to her when it is completed.

2021-BZA-28: JOE TERRY – DEVELOPMENT STANDARDS VARIANCE: To allow a reduction of the acreage for a new parcel being split from a larger parcel; Zone A1; Jefferson Township; 19/13N/2W (7798 S CR 950 E Cloverdale)

Greg Williams, ASA Land Surveying and agent for the petitioner, approached the board. Mr. Williams stated that 2.6 acres with the existing dwelling is being split. Mr. Williams explained that the reason that Mr. Terry did not want to do 3 acres is to keep as much in farm ground as possible. Mr. Williams stated that there is 492 feet of road frontage.

Mrs. Scott asked why not increase four tenths of an acre.

Mr. Williams stated that he asked his client the same question and the reason he was given was because the land to the west would be lost in production. Mr. Williams stated that if the additional thirty-five feet were added to make the parcel three acres his client would be losing twelve rows of crop ground.

Mr. Bee asked why split the property.

Mr. Williams stated that his client was wanting to sell the dwelling while preserving farm ground. Mr. Williams explained that his client was tired of renting the dwelling.

Mrs. Scott stated that she would like to see it meet the standards of the zoning ordinance.

Mr. Williams stated that the reason the board exist is to grant variance. Mr. Williams explained that they are not trying to make it less restrictive. Mr. Williams stated that there is more than enough room for a back-up septic site and the ground is flat.

Mr. Bee asked what was wrong with the thirty-five feet.

Mr. Williams stated it was twelve rows of crop to his client.

Mr. McCloud made a motion to approve the development standards request for Joe Terry as presented.

Mr. Scobee seconded the motion. The motion carried with three in favor (Mr. McCloud, Mr. Scobee, and Mr. Sutherlin) and two opposed (Mrs. Scott and Mr. Bee).


Mr. McCloud asked if there were any items for discussion.

There being no other business, Mr. Sutherlin made a motion to adjourn the meeting.

Mr. Scobee seconded the motion.

Meeting adjourned at 9:10 p.m.

Minutes approved on the _____ day of _____ 2021.



Raymond McCloud, President

LIVESTOCK ONLY

PUTNAM COUNTY BOARD OF ZONING APPEALS

June 14, 2021

SIGN IN SHEET

PLEASE PRINT CLEARLY

NAME	ADDRESS
O William Honey	2642 Skyline Dr Greencastle IN 46135
X Karen Nelson Heavin	4255 S. CR 125E Greencastle, IN 46135
O BRIAN ZAIGEL	12800 NORTH MERIDIAN SUITE 300 CARMEL IN 46032
O Alexandra Black	4423 S CR 125E Greencastle IN 46135
O Jacob O'Rourke	118 Deercreek Hills Greencastle IN 46135
O Savannah Black	4423 S CR 125E Greencastle IN 46135
F Kathryn S. Miller	4342 S. C.R. 300 E Greencastle, IN 46135
F Ted Willey	4342 S. CR 300 E Gr 46135
O Sheila Holloway	1310 Deer Creek Dr. Greencastle IN 46135

LIVESTOCK ONLY

PUTNAM COUNTY BOARD OF ZONING APPEALS

June 14, 2021

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<input type="radio"/> Jen Johnson	100 Woodland Heights
<input type="radio"/> TRACY PITTS	4010 S.C. RD. 125 E. GREENCASTLE
<input type="radio"/> Elijah Ballinger	1503 LAKE VIEW GREENCASTLE
<input type="radio"/> Monica Ballinger	1503 Lakeview Rd Greencastle
<input checked="" type="radio"/> Jeff Brought	161 Barneby Mill Rd Greencastle
<input type="radio"/> Kelly Newby	165 Woodland Hts Greencastle
<input checked="" type="radio"/> John Null	1010 S. LOCUST Greencastle, 350 South - Adjacent owner
Jennifer Buchanan	2637 Skyline Dr. Greencastle
<input type="radio"/> Chris Comer + Christine Comer	1747 E TALL OAKS LN GREENCASTLE, IN 46135
<input type="radio"/> BILL AKERS	1324 VALLEY VIEW CT. GREENCASTLE, IN 46135

LIVESTOCK ONLY

PUTNAM COUNTY BOARD OF ZONING APPEALS

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① Cindy Akers	1324 Valley View Ct Green Castle IN 46135
Kevin Buchheit	Krieg Dartmouth 2800 N. Meridian St. Ste 300 Carmel IN 46032
Maria Powell	GC.
0 Nick Adams	5197 South County Rd 400E Greencastle, IN
Lawrence Mordie	1535 E TALL OAKS LN Greencastle, IN
0 Emily Adams	5197 S. CO RD 400E Greencastle, IN




ALL EXCEPT LIVESTOCK

PUTNAM COUNTY BOARD OF ZONING APPEALS

June 14, 2021

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NAME	ADDRESS
Greg Williams	ASA Land Surveying
PATRICIA WHITAKER	4165 W CRYSON, GREENCASTLE
Kim Brinker	2209 W. U.S. hwy. 40 trlr 2 Clayton, IN 46118
Brandi Holtze	4462 W Co Rd 1100 N Roachdale IN 46172
 Dave Whitaker	4165 West Co Rd 460 N Green Castle IN 46135
 BILL AKERS	1324 VALLEY VIEW CT GR
Darrell Felling	12 N. Jackson St, GC
Matt Sepson	4511 North grassick Ave
 Lisa Moreland	3989 W. C.R. 450 N.

ALL EXCEPT LIVESTOCK

PUTNAM COUNTY BOARD OF ZONING APPEALS

June 14, 2021

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Danielle Painter	41105 W Co Rd 450N Greencastle IN 46135

ALL EXCEPT LIVESTOCK

PUTNAM COUNTY BOARD OF ZONING APPEALS

June 14, 2021

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PUTNAM COUNTY BOARD OF ZONING APPEALS
1 Courthouse Square Room 46
GREENCASTLE, IN 46135
(765) 301-9108

DATE: JUNE 14, 2021

TIME: 7:00 P.M.

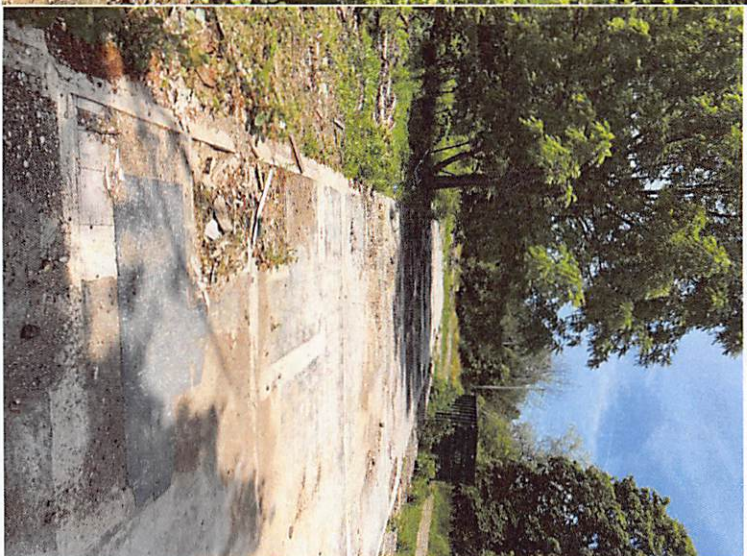
PLACE: 1 W. WASHINGTON ST., 1ST FLOOR, GREENCASTLE

NEXT MEETING DATE: JULY 12, 2021

AGENDA

- 1) **CALL TO ORDER**
- 2) **ROLL CALL DETERMINATION OF QUORUM**
- 3) **REVIEW OF MINUTES** – May 10, 2021 Meeting
- 4) **OLD BUSINESS**
 - a. **UPDATE ON CEDAR CREST PROPERTY**
 - b. **2021-BZA-20: RICHARD DANA BOYD – DEVELOPMENT STANDARDS:** to split a 5-acre parcel into two parcels being 1.8 acres with 370 feet of road frontage and 3.2 acres with 402 feet of road frontage; Cloverdale Township; 5/12N/4W; Zoned A1 (10497 S CR 190 W).
 - c. **2021-BZA-21: WILLER TIMBER RIDGE – SPECIAL EXCEPTION:** to allow a LIVEstock Music Festival and Agricultural Public Relations/Education Events in an A1 District; Warren Township; 1/13N/4W (on the west side of 300 E approx. 424 feet north of US 40)
- 5) **NEW BUSINESS**
 - a. **2021-BZA-25: CLYDE DAVID WHITAKER – SPECIAL EXCEPTION:** to allow for a contractor’s storage yard in an R2 zoning district; Clinton Township; Grassick Subdivision Lot 10; 23/15N/5W; Zoned R2 (4522 N Grassick Ave)
 - b. **2021-BZA-26: JOAN BOOK – DEVELOPMENT STANDARDS VARIANCE:** to allow two (2) primary residences on one parcel; Zoned A1; Cloverdale Township; 15/12N/4W (903 E SR 42) – **PETITIONER HAS REQUESTED A CONTINUANCE UNTIL THE AUGUST MEETING**
 - c. **2021-BZA-27: BRANDI HOLTZ – SPECIAL EXCEPTION:** to allow a daycare and preschool to be conducted at the property in an accessory building; Zoned A1; Russell Township; 14/16N/5W (4462 W CR 1100 N)
 - d. **2021-BZA-28: JOE TERRY – DEVELOPMENT STANDARDS VARIANCE:** to allow a reduction of the acreage for a new parcel being split from a larger parcel; Zoned A1; Jefferson Township; 19/13N/2W (7798 S CR 950 E Cloverdale)
- 6) **REPORT**
- 7) **ADJOURNMENT**

Cedarcrest
pictures 6/14/201



Colonial
District #11/101



Exhibits 2021-B2A-21

1. Printed Out
2. Printed Out. Jam Sessions are a free party for everyone.
3. Not applicable. We do not foresee having over 5000 attendees in 2021
4. 4 Stages
5. All immediate festival grounds is surrounded by a fence with lighting. Beyond that fence there are 3 other fences, a water barrier, and another fence
6. We have updated the address on all of our marketing/ticketing materials
7. Electrical suppliers.....Sunbelt rentals. (3) 56kw generators. (3)8000W generators.
Sound engineers: Sizzling Sound Productions, Gas Productions, Alverson Sound, Real Event Enterprises.
8. An additional \$5,000,000 of liability insurance is taken out. This is to cover the insurance for the Deputy Sheriffs that are on patrol. Insurance company has not decided as we shop multiple companies per year.
9. The main stages will be shut down at 12Midnight both nights. We will move festivities to smaller stage that will shut down at 2AM both nights. Fireworks will be shot off before 12 Midnight on Saturday night only.
10. 2020 our decibel levels did not exceed 110 dB. Bass range was in line with all major sound/music production engineering.
11. Festivals run rain or shine. No refunds.
12. Indiana Homeland Security permits were obtained by LIVEstock. Same will be for 2021.

Anm Birth			CED							Marb						
Anm Tag	Date	Reg No.	Name	EPD	BW EPD	WN EPD	YW EPD	Milk EPD	CW EPD	EPD	RE EPD	\$M	\$W	\$G	\$B	\$C
003	01/06/20	19769858	WTR BLE-302 MissTraveler 003	11+14	-1.3	60	105	27	39	0.36	0.59	78	73	39	118	231
011	01/11/20	19769863	WTR BS241 BarbaramereNel 011	13	1.4	49	89	25	30	0.4	0.46	76	51	38	111	220
016	01/12/20	19767225	WTR FTS-2304 ForeverLady 016	-5	3.6	83	138	23	46	0.57	0.82	55	79	56	132	226
020	01/13/20	19767227	WTR NGR-Z32 Lucy 020	6	1.1	49	92	28	39	0.75	0.88	51	54	64	148	243
022	01/14/20	19769867	WTR BLE-655 Flower 022	6	2.5	57	99	37	50	0.52	0.41	60	69	42	133	233
025	01/15/20	19770430	WTR JVC-714 Nellie 025	7	1.7	66	108	12	53	0.49	0.62	39	51	46	139	219
029	01/16/20	19769872	WTR Cache-617 Pride 029	10	1.1	50	94	24	27	0.98	0.92	79	54	73	140	261
032	01/17/20	19769874	WTR Spur664BarbaramereNel032	14	0.3	56	91	23	40	0.82	0.36	92	62	54	130	261
060	02/23/20	19767246	WTR BT532 CountessLassie 060	4	0	67	115	22	49	0.86	0.54	75	68	59	147	266
062	02/24/20	19769877	WTR ENH-659 Rosetta 062	4	3	73	126	28	49	0.87	0.81	76	76	67	161	285
063	02/26/20	19769878	WTR WFTS-700 Lora 063	8	0.7	69	126	19	58	0.71	0.63	35	60	61	174	261
077	03/11/20	19767256	WTR 813-827 Abigale 077	7	1.4	57	108	33	41	0.41	0.68	54	67	44	130	223
088	04/01/20	19767265	WTR 813-803 1551 Pride 088	8	1.7	67	124	31	48	0.72	0.67	65	71	58	152	262
109	01/05/11	16935888	WTR UPW-812 Rosetta 109 P/F #	10	0.3	53	92	31	35	0.63	0.68	44	64	52	129	211
234	02/04/12	17293950	WTR THR-708 Rose Anne 234	6	0.4	42	76	21	22	0.44	0.31	77	43	40	111	221
241	02/09/12	17294700	WTR ONW219 BarbaramereNel241	3	3.8	48	89	24	38	0.44	0.58	62	40	41	123	222
302	01/05/13	17679264	WTR RA-125 Miss Traveler 302	13	0	60	107	26	37	0.43	0.24	76	68	35	118	229
304	01/06/13	17714233	WTR GD005 BarbaramereNell304 P/F #	6	1.1	45	88	43	32	0.47	0.21	48	65	36	106	185
349	03/01/13	17798052	WTR 021-030 Lady Agnus 349	4	2.7	51	92	19	47	0.25	0.44	43	38	35	140	225
360	03/27/13	17670176	WTR021-3213BarbaramereJet360	5	3	63	111	27	50	0.6	0.28	55	64	48	144	242
401	01/01/14	17943208	WTR TBW-280 Lass 401 (DDC)	2	2.6	55	99	22	39	0.87	0.54	81	53	61	146	270
408	01/01/14	17943209	WTR 237 ICONic Emma 408	-1	3.5	67	123	24	50	0.66	0.3	62	62	48	141	245
445	01/30/14	17966136	WTR IPT-828 Nellie 445	6	2.2	63	104	17	39	0.46	0.48	55	55	42	120	211
451	02/04/14	17854681	WTR TBW 0015 Rita 451 P/F #	4	1.3	54	100	24	43	0.57	0.56	57	54	48	144	244
457	02/05/14	17943217	WTR 130-333BarbaramereJet457	8	0.6	39	68	38	33	0.3	0.63	54	58	39	116	204
503	01/02/15	18173576	WTR 10X-329 Tri-Rosetta 503	11	0.4	63	115	19	41	0.58	0.14	41	56	42	134	215
504	01/06/15	18173577	WTR TG223 BarbaramereNel 504	5	2.9	53	89	22	33	0.13	0.62	71	50	31	105	207
532	01/19/15	18173602	WTR HD-327CountessLassie 532	4	1.4	54	93	25	44	0.21	0.46	60	55	31	124	221
613	01/09/16	18544045	WTR FLS-334 Pride 613	7	0.1	56	102	35	28	0.37	0.61	79	72	37	103	213
617	01/13/16	18543344	WTR WIS-300 Pride 617	4	3.7	54	97	19	36	0.53	0.63	73	43	48	121	230
626	01/23/16	18542552	WTR 130-306BarbaramereNel626	4	1.7	40	76	29	23	0.57	0.63	60	45	49	116	210
647	02/28/16	18542560	WTR 130-236BarbaramereNel647	5	2.4	40	78	40	35	0.5	0.84	66	55	47	124	227
661	08/30/16	18793529	WTR BS-039 Tri-Rosetta 661	13	-0.2	43	84	31	28	0.5	0.25	62	54	39	115	211
665	09/09/16	18792563	WTR TRK 280 Lass 665	1	2.6	55	100	21	30	0.53	0.43	33	47	44	119	187
673	12/14/16	18783778	WTR 476-302 MissTraveler 673	9	2.2	55	101	24	36	0.64	0.41	69	53	48	136	245

Exhibits 2021-BA-21



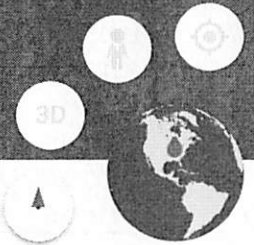
Jam Session



100%

80 m

Camera: 752 m 39°35'27"N 86°48'11"W 238 m



Anm Birth			CED					Marb									
Anm Tag	Date	Reg No.	Name	EPD	BW EPD	WN EPD	YW EPD	Milk EPD	CW EPD	EPD	RE EPD	\$M	\$W	\$G	\$B	\$C	
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025	01/15/20	19770430	WTR JVC-714 Nellie 025	7	1.7	66	108	12	53	0.49	0.62	39	51	46	139	219	
029	01/16/20	19769872	WTR Cache-617 Pride 029	10	1.1	50	94	24	27	0.98	0.92	79	54	73	140	261	
032	01/17/20	19769874	WTR Spur664BarbaramereNel032	14	0.3	56	91	23	40	0.82	0.36	92	62	54	130	261	
060	02/23/20	19767246	WTR BT532 CountessLassie 060	4	0	67	115	22	49	0.86	0.54	75	68	59	147	266	
062	02/24/20	19769877	WTR ENH-659 Rosetta 062	4	3	73	126	28	49	0.87	0.81	76	76	67	161	285	
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109	01/05/11	16935888	WTR UPW-812 Rosetta 109 P/F #	10	0.3	53	92	31	35	0.63	0.68	44	64	52	129	211	
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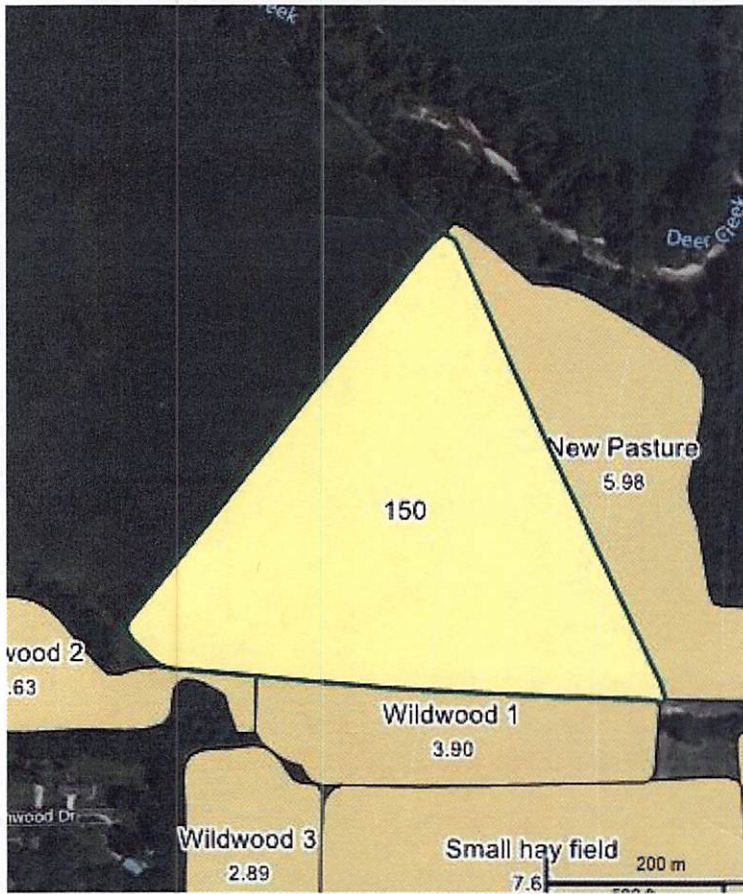
Recommendation Map Report

Willer Timber Ridge

Crop Year: 2021

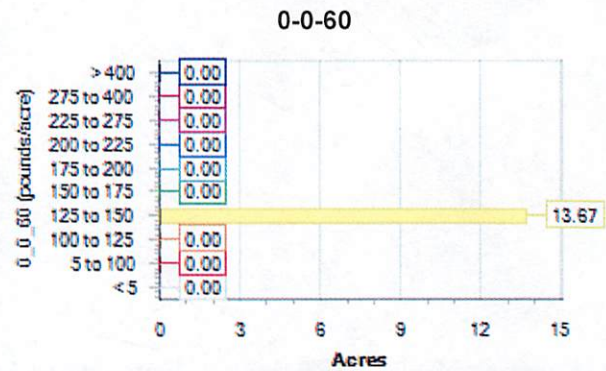
Farm: West Farm

Field: Side Hay Field



Area: 13.67 acres
 County: Putnam, IN
 Township:
 Twp Rng Sec: T13N R4W S1
 Directions:

Application Notes:



Product Summary:

Operation: Dry Fertilizer

Product: 0-0-60

Area (acres)

Total: 13.67

App: 13.67

Rate (pounds/acre)

Switch Setpoint: 25.00

Max Setpoint: 300.00

Min Setpoint: 100.00

Average (total): 150.00 (pounds/acre)

Average (app): 150.00 (pounds/acre)

Minimum: 150.00

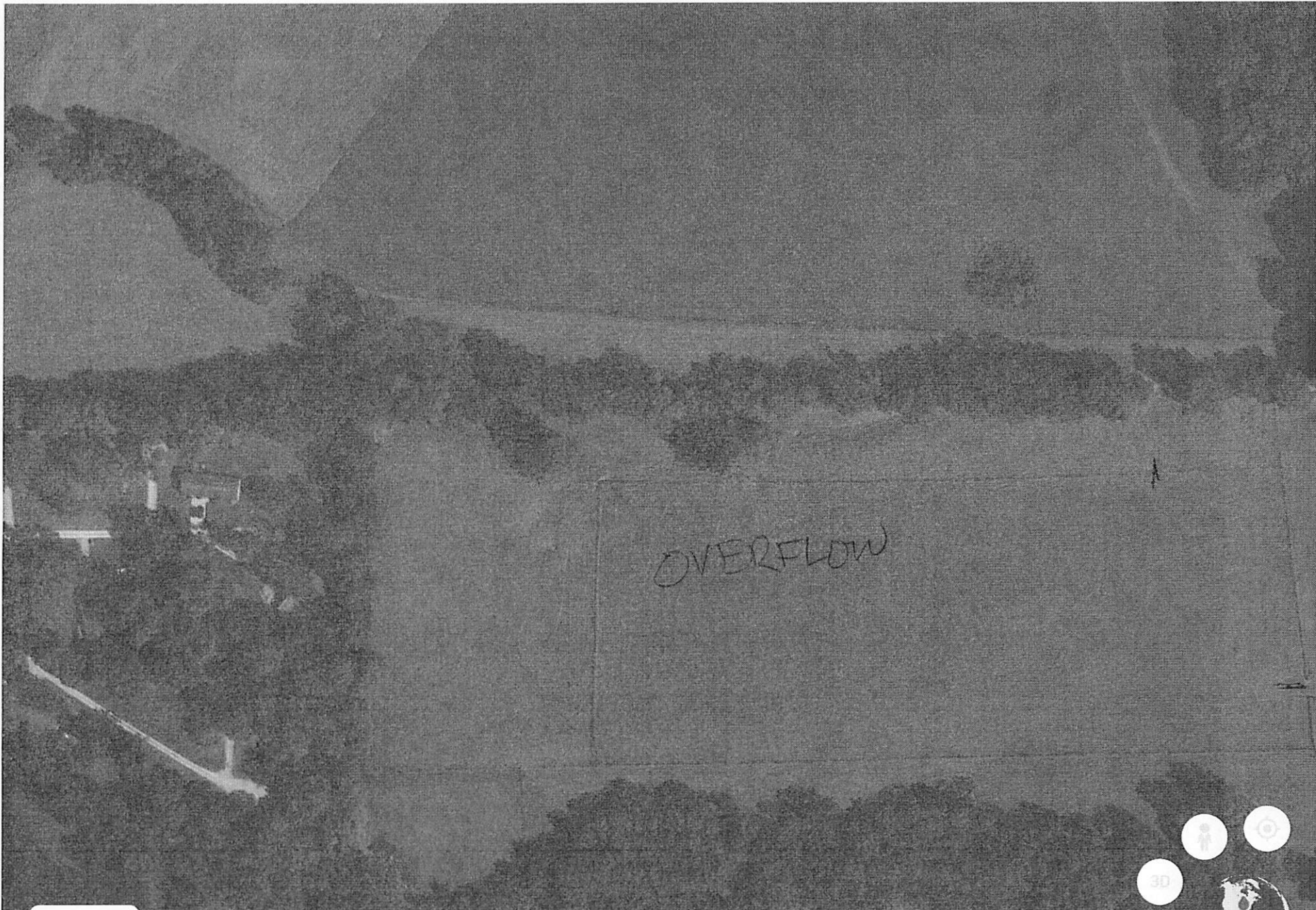
Maximum: 150.00

Quantity: 2,051 (pounds)

1.03 (tons)



Schib: 2021-02A-21



OVERFLOW



100%



3D



90 m

Camera: 805 m 39°35'41"N 86°48'21"W 226 m

539	Bowtie	WF	AI	99		BT	1/15/2020	4/7 pm	grey patch				
543	Bowtie	WF	OPEN	40 ao 9/7/19		HB	5/7/2020	4/7 pm					
544	W Fortress	WF	HB	55		BT	2/28/2020	4/7 pm	grey patch/poor tone				
545	MAR x 940	WF	HB	47		811	3/7/2020	5/16/2019					
556	CAV/714	RB	ET		Hfr	JVC/714	1/14/2020	6/10/19 Preg	Chk 65				
565		WF	OPEN	55 ao 9/7/19	Hfr	HB	4/22/2020		sex may be not sure ?? DNA parent				
602	SCM	WF	HB	40		HB	3/14/2020	4/26 am	no tone, rebreed, didn't go all the way though cervix in ca				
606	Niagra-F	WF	AI	100		NGR-f	1/14/2020	4/6 am	sexed				
608	MAR x 940	RB	HB	30		811	3/24/2020	5/16/2019					
613	FTS/2304	RB	ET		Bull	FTS/2304	1/14/2020	6/10/19 Preg	Chk 65				
614	BLE	WF	OPEN	70 ao 9/7/19	Hfr	811 ?	4/5/2020	4/6 pm	Not sure of HB; grey patch/poor tone				
617	Cache	RB	AI	100		CACHE	1/14/2020	4/6 pm	grey patch/good tone				
620	BLE	WF	OPEN	48 ao 9/7/19		HB	4/29/2020	4/6 pm					
622	Niagra-F	WF	HB	70		HB	2/13/2020	4/6 am	sexed	DNA NGR vs HB			
626	Niagra-F	RB	HB	75		HB	2/8/2020	4/6 am	sexed				
632	Spur	WF	AI	100		SPUR	1/14/2020	4/6 pm					
634	cystic	RB	OPEN	80 ao 9/19	Hfr	811	3/25/2020	5/16/2019	cystic-Recip				
647	Spur	WF	HB	60		HB	2/23/2020	4/6 am					
655	BLE	WF	AI	100		BLE	1/14/2020	4/6 am	PINK EYE,7/16				
659	Enhance	RB	AI	59		ENHANCE	2/24/2020	5/17 am					
660	Cache	WF	HB	45		HB	3/9/2020	4/6 pm					
661	BLE	WF	AI	99		BLE	1/14/2020	4/6 pm	grey patch/good tone				
664	Spur	WF	AI	100		SPUR	1/14/2020	4/6 pm	grey patch/good tone				
665	Spur	RB	HB	80		HB	2/3/2020	4/5 pm					
670	cystic	RB	HB	38		811	3/16/2020	5/16/2019	cystic -Recip				
671	SCM	RB	AI	100		SCM	1/14/2020	4/6 pm	grey patch/good tone				
673		WF	HB	65	BULL	837 ?	2/18/2020						
700	W Fortress	RB	AI	60	HFR	W FORTRESS	2/23/2020	5/16 pm	CASH BRED;W/F or FTS??				
703	BLE	RB	HB	60	HFR	HB	2/23/2020	4/6 am					
704	W Fortress	RB	AI	100	HFR	W FORTRESS	1/14/2020	4/6 pm	grey patch/poor tone				
707		RB	HB	55		BT	2/28/2020						
710	Bowtie	RB	AI	80	HFR	BT	2/3/2020	4/26 am					
712	Bowtie	RB	AI	100		BT	1/14/2020	4/6 am					
716	Spur	RB	HB	50		BT	3/4/2020	4/6 pm	grey patch/good tone				

Sound Pressure Levels and Their Effect On Human Hearing

Mitch Lohman B.A., M.S.

Mitch Lohman is a holder of a Bachelor's Degree from Ball State University and a Master's Degree from Indiana University at IUPUI studying Audio Engineering and is currently a Chief Engineer in an Indianapolis-based recording studio. Mitch was asked to provide information based on his years in academia and professional experience. He received no gifts, grants, monetary subsidies, or any perceived or promised benefits from any party or persons.

Sounds in our world transmit themselves in waves through the air. Very similar to waves in a body of water. Emanating from the source and branching outward in all directions. For a sound to be perceived, molecules in the air are disturbed, compressed together, sprung apart, and back again in a repeating pattern in wave-like patterns. Many different factors are responsible for how loud a sound is and the distance that sound can travel.

Pitch or Frequency - How many times air molecules vibrate in a 1 second interval. How many cycles per second a wave oscillates is represented in **Hertz**, or **Hz**. The more times the air molecules vibrate in that 1 second, the higher the **pitch** or **frequency**.¹ The lower the amount of vibrations in that 1 second, the lower the pitch or frequency. To use an analogy, a car engine resting at an idle position has a lower pitch than an engine revving at top speed. More revolutions (vibrations), the higher the frequency. Sounds at different frequencies have different effects on human hearing. Low frequency sounds like subwoofers in cars, low rumblings of thunder, earthquakes, etc., are more **omnidirectional**, meaning, the sound travels in all directions more readily and, in part, are more easily perceived at longer distances. These low frequency sounds require more power to produce and therefore can travel longer distances. For example, Elephants and whales can communicate over vast distances by using low frequency sounds as those sounds travel farther than high frequency sounds.² These sounds are very low frequency, known as **infrasonic** sounds.³ So low, in fact, that humans cannot hear them. The range of human hearing is generally between 20 Hz and 20,000 Hz. Some notable examples of real world frequencies would be as follows:

¹ Daniel W. Hosken, *An Introduction to Music Technology* (Routledge, 2011).

² National Research Council (US) Committee to Review Results of ATOC's Marine Mammal Research Program, "Introduction," *Marine Mammals and Low-Frequency Sound: Progress Since 1994*. (U.S. National Library of Medicine, January 1, 1970), <https://www.ncbi.nlm.nih.gov/books/NBK225321/>.

³ Christian T. Herbst et al., "How Low Can You Go? Physical Production Mechanism of Elephant Infrasonic Vocalizations," *Science* (American Association for the Advancement of Science, August 3, 2012), <https://science.sciencemag.org/content/337/6094/595>.

Lower decibel levels can be equally harmful to the human ear if exposed for longer periods of time. The following chart lists the relationship between sound decibel levels and the maximum exposure time before hearing fatigue and loss can occur.⁸

<i>Sound Level (decibels)</i>	<i>Maximum Exposure Time</i>
82	16 hours
85	8 hours
88	4 hours
91	2 hours
94	1 hour
97	30 minutes
100	15 minutes
103	7.5 minutes

Irrespective of type of music, quality of sound, or perceived annoyance, hearing fatigue and potential hearing loss can occur at certain decibel levels over extended periods of time.

⁸ Cheryl Peters et al., "Noise and Hearing Loss In Musicians," Actsafe, August 2005, <https://www.actsafe.ca/wp-content/uploads/2017/11/Noise-and-hearing-loss-in-musicians-Report-PDF.pdf>.

Shorthand version of above information in layman's terms:

1. The ***pitch*** or ***frequency*** of a sound is determined by how rapidly or slowly the molecules in the air around us vibrate. Lower wave vibrations = lower pitch. High wave vibrations = higher pitch.
2. The ***Loudness*** or ***amplitude*** of a sound is how much the air molecules around us move back and forth in relation to normal molecules at rest. This deviation is measured specifically for human hearing in units called ***decibels (dBs)*** or ***sound pressure levels (SPLs)***.
3. The loudness in decibels and sound pressure levels has a direct relationship to hearing fatigue and eventual hearing loss in humans. The higher the sound pressure levels, the higher the risk of pain and hearing loss.

References

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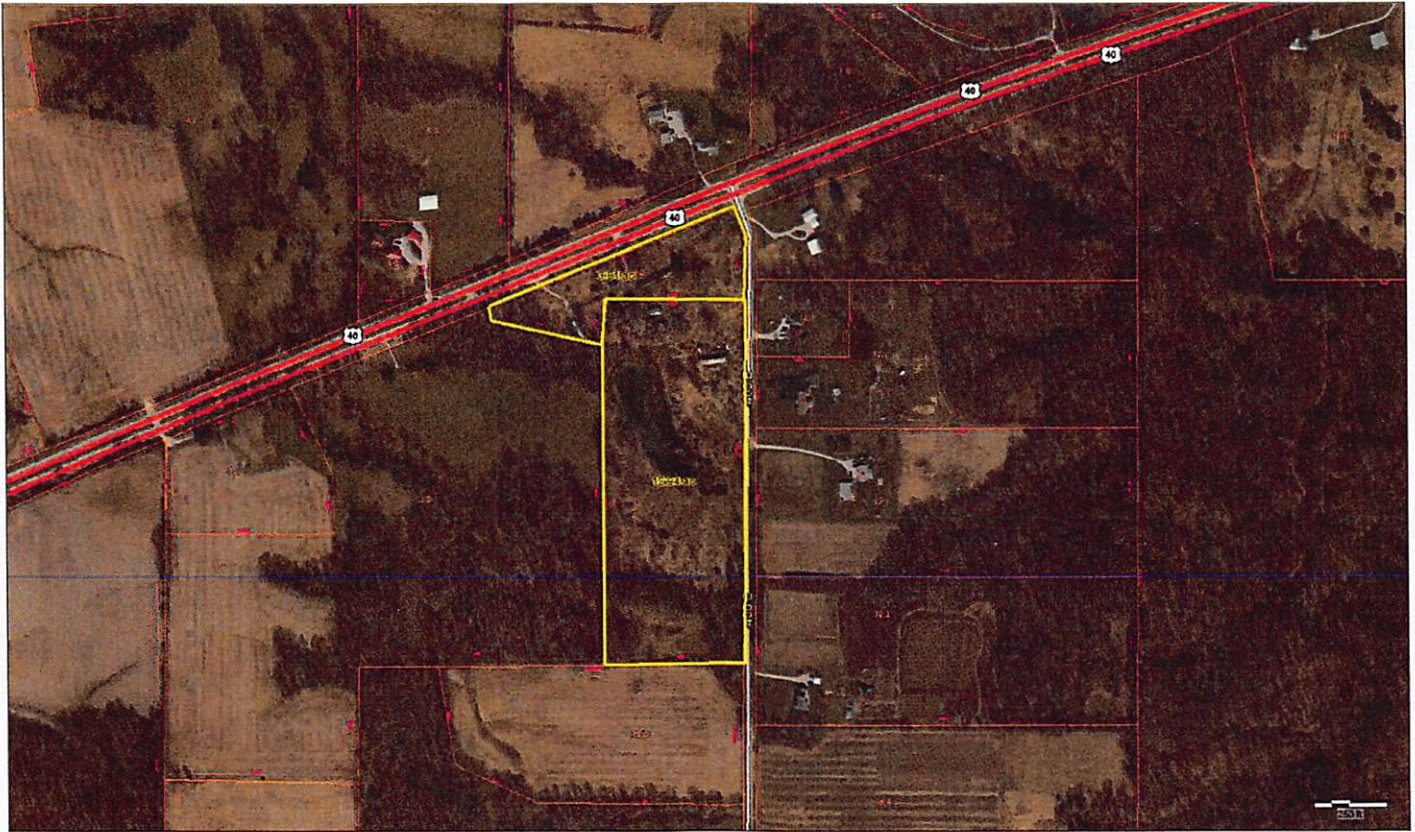
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67-05-02-404-004.000-014

- General
- Bills
- Payments
- Deductions
- Assessments

Owner and General Parcel Information

Property Card	Show Property Card
Images	Show Images(28)
Sketches	Show Sketches(2)
Owner Name	Fenwick James R & Kathleen
State Parcel Number	67-05-02-404-004.000-014
Property Key	009-500660-00
Map Number	SEE LEGAL
Legal Description	Pt Se Se S2 T15 R4 4.83a
Acreage	3.3400