



**Planet Depos®**  
We Make It *Happen™*

---

# Transcript of Hearing

**Date:** July 30, 2021

**Case:** Reflections Park, LLC

**Planet Depos**

**Phone:** 888.433.3767

**Email:** [transcripts@planetdepos.com](mailto:transcripts@planetdepos.com)

**www.planetdepos.com**

Transcript of Hearing  
Conducted on July 30, 2021

1 (1 to 4)

1	OFFICE OF ZONING AND ADMINISTRATIVE HEARINGS	1	1	C O N T E N T S	3
2	FOR MONTGOMERY COUNTY, MARYLAND		2	PAGE	
3			3	TESTIMONY OF WITNESSES	
4	-----x		4	James Putman	10
5	In Re: :		5	Haroon Mokhtarzada	31
6	REFLECTIONS PARK, LLC : Case No. CU 21-06		6	Basil Eldadah	40, 114, 138
7	-----x		7	David Goodnoe	73
8			8	Shahriar Etemadi	107
9			9	Gene Von Gunten	118
10	HEARING		10	Stephen Crum	140
11	(Conducted Virtually)		11	David Post	163
12	Before Hearing Examiner Lynn A. Robeson Hannan		12	Beyhan Trock	183
13	Rockville, Maryland		13	CLOSING STATEMENTS	
14	Friday, July 30, 2021		14	By Mr. Kline	197
15	9:30 a.m. EST		15	By Mr. Putman	198
16			16		
17			17	E X H I B I T S	
18			18	(None)	
19			19		
20			20		
21			21		
22			22		
23	Job: 389911		23		
24	Pages: 1 - 204		24		
25	Transcribed by: Molly Bugher		25		
1	A P P E A R A N C E S	2	1	P R O C E E D I N G S	4
2	ON BEHALF OF APPLICANT, REFLECTIONS PARK, LLC:		2	HEARING EXAMINER ROBESON HANNAN: The record is now	
3	JODY KLINE, ESQUIRE		3	open for case CU 21-06 Reflections Park Cemetery 16621 New	
4	MILLER, MILLER & CANBY		4	Hampshire Avenue, Silver Spring, MD 20905 in the rural	
5	200 B Monroe Street		5	cluster zone. I am the hearing examiner assigned to this	
6	Rockville, Maryland 20859		6	case and I will take testimony and evidence today. I will	
7	Phone: (301) 762-5212		7	issue a decision within 30 days after the record of this	
8			8	case closes. If you disagree with my decision, you may	
9	ALSO PRESENT:		9	request an appeal to the board of appeals within 10 days of	
10	JAMES PUTMAN		10	the date my decision is issued. You will get a notification	
11			11	that the decision has been issued and it is published on the	
12			12	same day on our website. If you appeal, the Board will not	
13			13	take new evidence. So anything you wish to say, you should	
14			14	say here, or present.	
15			15	This hearing is informal, but it does have certain	
16			16	formalities. Testimony is under oath and subject to cross-	
17			17	examination. The applicant presents its case first after	
18			18	which those in opposition may testify. The applicant may	
19			19	then present a rebuttal to any opposition testimony.	
20			20	Preliminary matters are -- we are operating remotely.	
21			21	Someday we will be back in person, but for the time being we	
22			22	are operating by Microsoft Teams. And there is a couple of	
23			23	rules we try to follow with Microsoft Teams. One of the	
24			24	most important is, do not crosstalk, try -- do not interrupt	
25			25	each other, because the court reporter has difficulty	

Transcript of Hearing  
Conducted on July 30, 2021

2 (5 to 8)

5	<p>1 picking that up when there is too much -- too many 2 interruptions. 3 The other thing is, we are asking you if you wish to 4 speak to raise your hand via the Microsoft Teams hand 5 button, which is -- there is a little smiley face at the top 6 of your screen and you press the hand button. I will be 7 able to see the hand. If I don't see the hand, then for -- 8 sometimes when I'm sharing the screen I can't see the hand. 9 If that occurs, just would you kindly say, may I speak and 10 then wait for me to recognize you. 11 Is there anyone here today that wishes to testify that 12 will not be called by Mr. Kline? I think Mr. Putman, did 13 you want -- oh, I see your hand. I'm sorry. Go ahead. 14 MR. PUTMAN: Yes, I don't expect Mr. Kline to call on 15 me, but I would like to testify. And I think I'm on your 16 list. 17 HEARING EXAMINER ROBESON HANNAN: Okay. Let me say one 18 thing, when you testify, please that we are going to ask you 19 to state your name and address for the record. But also 20 please provide your email address because so many things are 21 working remotely that we are able to update you on any 22 changes as soon as they come. So please, when I ask you to 23 state your name and address, I'm going to ask you to state 24 your email address as well. Okay? 25 MR. PUTMAN: Thank you.</p>	7	<p>1 HEARING EXAMINER ROBESON HANNAN: Thank you. 2 MR. PUTMAN: My ignorance of Microsoft Teams. It's my 3 first shot on that. 4 HEARING EXAMINER ROBESON HANNAN: Appeared well, good 5 for you. We are all going from 0 to 200 in 60 seconds here. 6 Okay. I'm sorry Mr. Kline. Go ahead. 7 MR. KLINE: Well, it's a procedural question. I mean, 8 normally in the process of the application we would put our 9 witnesses and then Mr. Putman would go ahead and testify 10 after that and then presumably we would put on some rebuttal 11 testimony. I've estimated that we are probably going to 12 take in the middle of the afternoon, early afternoon at 13 minimum, to complete our presentation. In which case Mr. 14 Putman would have to wait around that long. 15 Some of our witnesses, in light of the letter we 16 received, which was really helpful to get that letter from 17 Mr. Putman, we're going to make comments within your area of 18 expertise on the issues that he raised. I'm taking it might 19 make more sense to allow him to go first so that all of our 20 witnesses can address his testimony during their 21 presentation and it would eliminate the need for rebuttal 22 testimony and it would also mean that he wouldn't 23 necessarily have to hang around and wait as long also. 24 So I was going to offer that if you would like to take 25 advantage of it and if you think it makes sense in the</p>
6	<p>1 HEARING EXAMINER ROBESON HANNAN: Okay. Are there any 2 other preliminary matters? All right. Hearing none, with 3 the parties please identify themselves for the record? 4 MR. KLINE: Good morning. For the record, my name is 5 Jody Kline. I'm an attorney and the law firm of Miller, 6 Miller, &amp; Camby with offices at 200 B Monroe Street in 7 Rockville, 20850, representing the petitioner, or actually 8 the applicant in this case, Remembrance Park, Inc. 9 Good morning Mr. Greer. Nice to see you again, sir. 10 And we have seven witnesses, Ms. Hannan. I can give 11 you their names now or they can just -- because I heard some 12 spelling challenges. So we could do it at that time. 13 However you would like to do it. 14 HEARING EXAMINER ROBESON HANNAN: Let's do it as it 15 goes on. I think that's easier for the court reporter. 16 MR. KLINE: I guess I do have what would be considered 17 a sort of a preliminary -- 18 HEARING EXAMINER ROBESON HANNAN: Now just one -- Mr. 19 Kline, I'm sorry. Mr. Putman, you still have your hand up. 20 Is that because you want to speak again? Or you just forgot 21 to take it down? 22 MR. PUTMAN: I took it down, but maybe that's a 23 software thing. Let me put it up again. Okay, it says -- 24 HEARING EXAMINER ROBESON HANNAN: Now it's off. 25 MR. PUTMAN: Now it's off, okay. My --</p>	8	<p>1 context of this case. 2 HEARING EXAMINER ROBESON HANNAN: I was actually 3 thinking the same thing. I was thinking if you want to just 4 simply, for your case in chief, if you agree with the staff 5 report you can -- somebody can say that. But we can go with 6 Mr. Putman first. 7 Mr. Putman, do you have any problems with doing that? 8 Mr. Putman, you are on mute. Yeah. 9 MR. PUTMAN: Judge Hannan, would I have a rebuttal 10 opportunity if I were to go first? After hearing the rest 11 of the presentation? 12 MR. KLINE: We have no objection to that. This is an 13 open hearing. We will probably get a little casual near the 14 end anyway. So that's fine. 15 HEARING EXAMINER ROBESON HANNAN: No, we won't. 16 MR. KLINE: Okay. 17 MR. PUTMAN: Let's -- I would like to do this. What I 18 would like to do is take Mr. Putman first. Then have your 19 experts address just his concerns. If you -- and so that he 20 can rebut those concerns with -- or rebut the -- your 21 testimony on the pollution. And then we can proceed with 22 everything else. 23 Can you segregate it like that Mr. Kline? 24 MR. KLINE: I can do it. I think probably to do as 25 complete a job I probably would need to call more than one</p>

Transcript of Hearing  
Conducted on July 30, 2021

3 (9 to 12)

<p style="text-align: right;">9</p> <p>1 witness though. But we can have each of those witnesses 2 just delve into the issue of the water quality issue and 3 then -- and Mr. Putman's testimony. 4 HEARING EXAMINER ROBESON HANNAN: Okay. Is that that's 5 how does that sound with you Mr. Putman? 6 MR. PUTMAN: I'm with you Judge Hannan. I will do it 7 your way. 8 HEARING EXAMINER ROBESON HANNAN: That's okay. And I'm 9 not a judge. I have to be very careful. I'm just a hearing 10 examiner. You can just call me Ms. Hannan, okay? 11 MR. PUTMAN: I thought you were an administrative law 12 judge, and I wanted to respect that title. 13 HEARING EXAMINER ROBESON HANNAN: Well, I am, thank 14 you. But in function I am. But not under the Maryland 15 rules. So it's very -- don't go there. Just Ms. Hannan is 16 fine. 17 MR. PUTMAN: Okay. Very good. 18 MR. KLINE: And could -- 19 HEARING EXAMINER ROBESON HANNAN: Yeah. 20 MR. KLINE: And can I do one other thing? We have 21 several witnesses. We have witnesses from all over the 22 country in this case. And not all of them have appeared 23 before you before. So I wondered if I could just take 30 24 seconds to just kind of give them a primer on how the 25 presentations need to be made for the purposes of this</p>	<p style="text-align: right;">11</p> <p>1 MR. PUTMAN: In any event, I so declare. 2 HEARING EXAMINER ROBESON HANNAN: Okay, thank you. And 3 please state your name, address, and email address for the 4 record. 5 MR. PUTMAN: My name is James Putman. My address is 6 4617 Dustin Road, Burtonsville, 20866. My email is 7 JPutman2727@gmail.com. 8 And I want to thank you for the opportunity to appear 9 in this forum. Although I am affiliated with the Patuxent 10 Watershed Protective Association Inc., a 501C nonprofit 11 environmental corporation, my comments today and my 12 previously filed statement are mine and mine alone. 13 And I have to say that I appear with very mixed 14 feelings in this matter because the notion of natural green 15 burial is very appealing to me. But I must oppose this 16 project due to its location in the Patuxent Watershed and 17 its adjacency to the Rocky Gorge Reservoir, which is the 18 domestic drinking water supply for about 800,000 people in 19 Montgomery and Prince George's Counties and is also the 20 backup water supply for the entire Washington, Maryland 21 metropolitan area. 22 Besides my written filing made earlier, I want to 23 address several matters today. And the first one is 24 impervious coverage. For decades our County planning boards 25 and County Council have wisely acted to protect this</p>
<p style="text-align: right;">10</p> <p>1 forum. 2 HEARING EXAMINER ROBESON HANNAN: Wait, who is giving 3 the primer? 4 MR. KLINE: Well, I would like to make sure all of my 5 witnesses understand what they need to do in order to make 6 their presentation. And I -- 7 HEARING EXAMINER ROBESON HANNAN: Well, I can guide 8 them through that. 9 MR. KLINE: Okay. Very good. Then we are -- I have no 10 opening statement. We are prepared to go ahead and listen 11 to Mr. Putman and then go ahead and address his concerns. 12 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Putman, 13 please raise your right hand. 14 Do you solemnly affirm under penalties of perjury that 15 the statements you are about to make are the truth, the 16 whole truth and nothing but the truth? 17 MR. PUTMAN: I do. 18 I wish I could guarantee that they are the whole truth, 19 but four or five minutes isn't enough for the whole truth 20 here. 21 HEARING EXAMINER ROBESON HANNAN: Well, you don't have 22 to beat that you can take as long as you want. You don't 23 have to be four or five minutes. In fact, that's the 24 purpose of this hearing that you get to say everything you 25 want to say.</p>	<p style="text-align: right;">12</p> <p>1 watershed. Several years ago they put further restrictions 2 on landscapers; made -- chemicals and fertilizers and 3 herbicides that could be put on property here in Montgomery 4 County because it washing into rivers and into the Patuxent. 5 This Patuxent is really an irreplaceable jewel. And 6 whether we want to or not, we all have a symbiotic 7 relationship with it. If we protect this river and this 8 Rocky Gorge Reservoir, it will protect us. If we fail, it 9 will fail. The Cloverly Master Plan as an example of this, 10 prescribes that the impervious cover in watershed property 11 should not exceed 10 percent of the surfaces of the land. 12 Incidentally, in a recent update of the adjoining 13 Fairland master plan, they reduce the impervious coverage to 14 8 percent because of all of the debris and dirt and 15 pollution that flows into the Patuxent just from the normal 16 living here. Vehicles drop gasoline, diesel fuel, 17 transmission fluid, antifreeze, various things like that 18 onto the roads. When next it rains, the rain washes all 19 that pollution plus all the surface dirt and trash down the 20 hill from -- in the watershed and into the river. 21 Applicant's property sits uphill from the river, have 22 several feeder streams that traverse it before they flow 23 into the Rocky Gorge. Now several large nearby properties 24 seem to exceed the 10 percent impervious cover. They 25 started out small and probably were in compliance when</p>

Transcript of Hearing  
Conducted on July 30, 2021

4 (13 to 16)

<p>13</p> <p>1 built, but gradually they have increased their footprint and 2 increase their footprint, extended their paved parking lot 3 with gravel, which becomes impacted and the next time the 4 work on the parking lot they pave that too. 5 I haven't measured, but there is one property very near 6 Reflection Park that looks to me to be 40 or 50 percent 7 impervious cover. And there are several others that seem to 8 exceed the 10 percent. What this means is that when we have 9 a heavy rainfall, falls on those properties and runs off. 10 And that which flows off of those properties will flow on to 11 this parcel. That flow can saturate the ground, drag stuff 12 down to the river, and into the traversing feeder streams 13 and wash the necro-leachate from decaying bodies with it. 14 Now the substrate below this will cover in the 15 watershed is mostly fractured shale. And this slurry, which 16 is about 20 to 30 liters from the average adult decaying 17 body, will flow down through that fractured shale and some 18 of it will reach the watershed. Now I agree that some will 19 biodegrade on site, but I'm concerned particularly about 20 some of the newer chemotherapy medicines that are genotoxic, 21 working by interfering with the DNA and cell division in a 22 patient's cancer cells, but also with the healthy cells. 23 Some of these drugs do not biodegrade. I read a report and 24 a publication called Eco R.I. and I don't even know what the 25 R.I. stands for, but it's an ecology news report that says;</p>	<p>15</p> <p>1 Patuxent River and the Rocky Gorge Reservoir. 2 HEARING EXAMINER ROBESON HANNAN: Okay. 3 MR. PUTMAN: Which is the reservoir this backed up by 4 the T. Howard Duckett Dam. 5 HEARING EXAMINER ROBESON HANNAN: Right. 6 MR. PUTMAN: Okay. I'm also concerned that some of the 7 nearby wells that serve rural cluster owners that are living 8 and have been living with the environmental limitations 9 imposed on watershed residential lots might be blindsided 10 when their well water begins to smell and taste strange. 11 This RC zone was designed and established for 12 residential use in protected properties like this. And 13 these conditional use things are creeping in and infringing 14 on the environmental standards that those of us who live in 15 the watershed have been in compliance with for many years. 16 So the necro-leachate leaching down the hill and into the 17 river and the possibility that bodies buried in that 18 cemetery will contain these chemotherapies, some of which 19 are synthetic agents that do not biodegrade, is of great 20 concern to me. 21 I would also like to point out I see Mr. -- is it 22 Eldadah? Mr. Eldadah recited some common questions at a 23 meeting last December I think, and provided some answers. 24 And I would like to quote one of them. Someone -- or he 25 proposed the question, is it hazardous to the water supply</p>
<p>14</p> <p>1 "Cytotoxic chemotherapy drugs exit cancer 2 patients as active and dangerous chemicals. 3 Septic systems and wastewater treatment plants 4 cannot remove 90 percent of them. So these 5 dangerous chemicals migrate into lakes, rivers, 6 and ponds and eventually into the drinking water 7 supplies." 8 The European Journal of Pharmacology article entitled 9 Cytostatic Pharmaceuticals as Water Contaminants report that 10 these drugs cause DNA mutations even at very low levels. 11 And the EU commission has classified them as hazardous waste 12 having not even considered placement of the cemetery in a 13 drinking watershed. 14 Interestingly, in the United States the FDA and the EPA 15 each claim that the other is responsible to address these 16 chemotherapy issues. We've got to resolve that, but we 17 won't do that in this session. Obviously a lot more study 18 is needed before we take on more risks. And this project 19 being in a watershed and just a little over a mile from the 20 river is a risk. 21 HEARING EXAMINER ROBESON HANNAN: It's a mile from 22 what? I couldn't hear that. 23 MR. PUTMAN: A mile from the river. 24 HEARING EXAMINER ROBESON HANNAN: Oh, okay. 25 MR. PUTMAN: From the Rocky Gorge River. From the</p>	<p>16</p> <p>1 to put the body directly in the ground. His answer, and I 2 think I'm quoting accurately, says there is no evidence to 3 date that such practices contaminate groundwater. This is 4 likely due to the natural filtering capabilities of soil and 5 mandatory setbacks from water sources. 6 Now I'm not sure the source of his answer, but that 7 answer is seriously incorrect. I simply googled necro- 8 leachate and found multiple published papers from Acta 9 Scientific and many others which document contamination. 10 HEARING EXAMINER ROBESON HANNAN: Can you spell -- you 11 don't have to spell leachate, but can you spell the first -- 12 is it N-E-C-R-O leachate? 13 MR. PUTMAN: N-E-C-R-O-L-E-A-C-H-A-T-E. 14 HEARING EXAMINER ROBESON HANNAN: Okay. 15 MR. PUTMAN: This is the substance, about 20 to 30 16 liters per adult body that is a slightly thicker than water 17 fluid, somewhat salty, that leaches out of bodies and 18 into -- in this case, directly into the ground. I guess 19 what I would say is that an hour or two of searching the 20 internet will demonstrate, fortunately not a lot in this 21 country, but a few in Europe, and Brazil seems to have a 22 major problem because of several of their large cities, 23 heavy populations in them and burial grounds that are too 24 close to the rivers and the water supplies. And they have 25 this huge problem. Now, much of their stuff is in</p>

Transcript of Hearing  
Conducted on July 30, 2021

5 (17 to 20)

<p style="text-align: right;">17</p> <p>1 Portuguese. So is not readily available, but there are some 2 translations of it that we can see. They have made this 3 mistake in Brazil and they are paying a tremendous price 4 right now. It's a mistake we don't need to make. 5 Finally, one other thing -- and Ms. Hannan, I don't 6 want to quote to you with the zoning code. I'm pretty sure 7 you know it and Mr. Klein probably does too. But there may 8 be participants here -- so a little bit of the zoning code 9 says -- section 7.3.1 allows a cemetery as a conditional use 10 which may be permitted by the hearing examiner if the 11 proposed location is compatible with adjacent land uses and 12 will not adversely affect the public health, safety, and 13 welfare of the inhabitants of the area. 14 There is clearly a great deal of available evidence to 15 the contrary, which cannot be ignored. Also the code 16 states, "The fact that a proposed use satisfies all specific 17 requirements to approve a conditional use does not create a 18 presumption that the use is compatible with nearby 19 properties and in itself is not sufficient to require 20 conditional use approval." 21 In summary, Reflection Park is a lovely idea, but it's 22 absolutely in the wrong place. It's my understanding that 23 several sites were considered before this one was chosen. I 24 hope that developers will look again at alternate sites. 25 But Ms. Hannan, I urge that you denied this conditional use</p>	<p style="text-align: right;">19</p> <p>1 hear. Did you swear him at the beginning? 2 MR. PUTMAN: I did. 3 HEARING EXAMINER ROBESON HANNAN: Yes, he did. 4 MR. KLINE: Very good. Sorry. Sorry, forgot. 5 MR. PUTMAN: I struggled over the whole truth. The 6 whole truth would take weeks or months. And I'm not fluent 7 enough in it to give that. 8 MR. KLINE: Thank you for the reminder. And I do 9 remember your comment. So what I want to start off with is, 10 what is your background? Do you have a background in 11 science or medicine that would make this all understandable 12 to you? 13 MR. PUTMAN: Mr. Kline, I have been an environmentalist 14 for over 70 years. I have lived in the watershed for the 15 past -- over 30 years. I have -- I don't have academic 16 initials in this area. But I -- 17 HEARING EXAMINER ROBESON HANNAN: Did you say you are 18 on the Patuxent Commission? No? Did you say you were -- 19 you weren't testifying on behalf of some commission. 20 MR. PUTMAN: The Patuxent Watershed Protective 21 Association is a nonprofit environmental corporation 22 originally established when the so-called northern alignment 23 of the intercounty connector was proposed to run to the 24 watershed. And we opposed that from -- and we decided at 25 that point in time that we should have an organization that</p>
<p style="text-align: right;">18</p> <p>1 application and I thank you for your kind attention. 2 HEARING EXAMINER ROBESON HANNAN: Thank you for -- 3 MR. PUTMAN: I'll be happy to take any questions. 4 HEARING EXAMINER ROBESON HANNAN: Thank you. Thank you 5 for taking the time to come. When you said natural burial, 6 is it your understanding that these are -- I thought 7 cemeteries used lead lined caskets or something like that. 8 I'm just going from memory. Is it your understanding that 9 these bodies are just going to be placed in the ground? 10 MR. PUTMAN: That's what your applicant's paper says. 11 HEARING EXAMINER ROBESON HANNAN: Okay. All right. 12 MR. PUTMAN: They're going to be buried 4 feet in the 13 ground and covered with about 2 feet of dirt. Did I 14 misunderstand that Mr. Kline? 15 HEARING EXAMINER ROBESON HANNAN: No, I don't know. I 16 read the staff report and I haven't gone -- okay. That's 17 fine. 18 MR. PUTMAN: I'm sorry. I've lost you. 19 HEARING EXAMINER ROBESON HANNAN: Can you hear me? 20 MR. PUTMAN: Yes. Now I can. 21 HEARING EXAMINER ROBESON HANNAN: I will have Mr. 22 Kline's witnesses address that. 23 Mr. Klein, do you have any questions for Mr. Putman? 24 Putman, I'm sorry. 25 MR. KLINE: Yes, I do. I just wanted to -- I didn't</p>	<p style="text-align: right;">20</p> <p>1 can pass along the accumulated knowledge to younger people. 2 As you can tell, I'm well past my expiration date. 3 And fortunately we are in process of bringing some 4 younger leadership into this organization. This 5 organization has -- and I personally have appeared multiple 6 times before the Planning Board and the County Council, 7 multiple councils and multiple planning boards in every case 8 involving an environmental issue involving this watershed. 9 I have -- I've lived here for a long time. I've seen what a 10 beautiful think it is. 11 I have studied a great deal. I'm primarily self- 12 educated in environmental matters. But I was sufficiently 13 educated that when I built my house here it became one of 14 the sites on the Sierra Club's annual solar tour because it 15 was an example of environmental and solar applications at 16 that time with ground breaking -- 17 HEARING EXAMINER ROBESON HANNAN: Okay, thank you. 18 What I'm going to do -- I don't know if we got to Mr. 19 Kline's question. I just was looking at my notes and was 20 unclear. Mr. Klein, can you repeat your question, please? 21 MR. KLINE: Well, let me -- 22 (Crosstalk) 23 MR. KLINE: Mr. Putman, you're well-read obviously. I 24 just wondered if you had any professional background, 25 education, or experience that would lend any weight in that</p>

Transcript of Hearing  
Conducted on July 30, 2021

6 (21 to 24)

<p>21</p> <p>1 area. But I guess it would be fair to say that what you've 2 learned is just through -- by experience and reading. 3 MR. PUTMAN: And living here in the watershed. 4 MR. KLINE: I understand. You made a reference to 5 hearing Mr. Eldadah speak. So I gather you attended or 6 participated in one of the community meetings we conducted. 7 MR. PUTMAN: No sir, I didn't. I just read your 8 filings. 9 MR. KLINE: Well, how did you get the quote on Mr. 10 Eldadah then? 11 MR. PUTMAN: It's in your filing, Mr. Kline. 12 MR. KLINE: In our conditional use application? 13 MR. PUTMAN: Yes, sir. 14 MR. KLINE: So you didn't pick anything up from the 15 press? The recent coverage in the press? 16 MR. PUTMAN: Is that -- is my quote incorrect? Is it 17 necessary for me to find your document and -- 18 MR. KLINE: No, I just asked you -- I just asked you if 19 you had read anything or seen anything in the media recently 20 about -- that actually did have some quotes from Mr. 21 Eldadah. 22 MR. PUTMAN: No, the way I found out about this project 23 is interesting to me. I heard about it on a local TV 24 broadcast by a young reporter who was on your site and also 25 remarked, strangely I thought, that this project was in the</p>	<p>23</p> <p>1 written out of the loop. So they apparently do not get 2 these conditional use requests. Now most of the things that 3 go under the conditional use process don't involve major 4 environmental issues. 5 And I think you would probably agree this is probably 6 the first cemetery request that you've had. So this is an 7 unusual situation here. I plan to contact my County Council 8 rep and say we can't bypass the Department of Environmental 9 Protection in the County review of these things. Too many 10 risky things can happen if we do that. But that's an issue 11 for another day and another forum. 12 MR. KLINE: Okay. Thank you for your answer. But as 13 you pointed out, Mr. Soucup is responsible for sewer and 14 water category changes and would have no role in this 15 analysis himself, correct? 16 MR. PUTMAN: I don't know exactly what everyone does in 17 the Department of Environmental Protection, but the very 18 name of their department would seem to me that they would be 19 involved in a departmental issue. Most of the issues that 20 come to their attention involve sewer and water category 21 changes. And that's most of the things I've been involved 22 in in the last couple of decades have been that type. This 23 is the first cemetery that I have been involved in. 24 Oh, and I should say at this point that in searching, I 25 find that there are a number of funeral directors in the</p>
<p>22</p> <p>1 Patuxent Watershed. That attracted my attention. And as I 2 said in my letter, I made contact with my normal contact in 3 the Department of Environmental Protection. 4 HEARING EXAMINER ROBESON HANNAN: Who is your normal 5 contact in the Department of Environmental Protection? 6 MR. PUTMAN: Alan Soucup. 7 HEARING EXAMINER ROBESON HANNAN: Could you spell the 8 last name? 9 MR. PUTMAN: S-O-U-C-U-P. 10 HEARING EXAMINER ROBESON HANNAN: Okay. 11 MR. PUTMAN: Alan told me that he also had learned 12 about this on a radio broadcast as he was driving home from 13 work the previous evening. So I went back and I 14 investigated this whole process because often -- we have an 15 email site where we are on various County agencies' lists, 16 notified of things that are of interest to us. And normally 17 the past we've been notified of proposed incursions into the 18 watershed, primarily because of water and sewer category 19 change requests that were all reported to us by Alan Soucup 20 or someone in that department. 21 But I noticed that when -- what happened apparently 22 several years ago, was the whole process within the county 23 changed from a special exception process to what is now 24 called a conditional use process. And in the course of that 25 change, the Department of Environmental Protection was</p>	<p>24</p> <p>1 area that are willing to do a green burial preparation and 2 there are a number of cemeteries in Maryland and in the 3 Washington metro area which either are completely or 4 partially green burial. So that feature is available, being 5 offered by a number of other conveniently located 6 facilities. So this one is not needed because of a lack of 7 availability. And you can find those by an internet search 8 as well. 9 MR. KLINE: So I have two questions on, as I will call 10 it, procedural issues. You said you testified before the 11 Planning Board. Have you worked with the staff of the area 12 teams responsible for planning in the Patuxent watershed? 13 Do you know those people and their names? 14 MR. PUTMAN: We know those people. The ones that we 15 worked with him most of these projects have been promoted to 16 higher levels now, or have -- one really good one has left 17 Montgomery County and gone to work for Howard County. I've 18 had a little contact with one of the planners with respect 19 to this project, but only one of the two. I have a hearing 20 problem and I have a language difficulty with understanding 21 everything from one of the planners. 22 But the planners are not environmental. They have a 23 checklist of things that they are checking. And you have 24 complied with all of those. But there is no item on their 25 checklist that says, does this make common sense.</p>

Transcript of Hearing  
Conducted on July 30, 2021

7 (25 to 28)

<p>25</p> <p>1 MR. KLINE: Mr. Putman, you obviously have talked to 2 Josh Penn over the years, have you not? 3 MR. PUTMAN: I've only talked to Josh Penn about this 4 particular item. I did not know him before then. 5 MR. KLINE: Okay. And while you called him up and 6 talked to him, didn't he say to you, I am an environmental 7 planner? 8 MR. PUTMAN: I actually didn't talk to him. I emailed 9 him some questions and he emailed his responses back to me. 10 So I'm not -- I have not talked directly to him. And he did 11 not identify himself as an environmental planner. 12 MR. KLINE: But his responses did communicate to the 13 staff's position on why they felt this plan was 14 environmentally sensitive to the Patuxent Watershed? 15 MR. PUTMAN: I don't believe he used the environmental 16 terminology. I believe he said that it had been compliant 17 with all of their requirements. 18 HEARING EXAMINER ROBESON HANNAN: Let me jump in here a 19 moment. My review indicates that you can be an 20 environmental -- what staff did is apply the environmental 21 guidelines, which don't cover leachate into the groundwater. 22 So yes, Mr. Penn may have been, I don't know what he is now, 23 but he may have been an environmental planner. But the 24 environmental guidelines cover impervious area and all that 25 kind of stuff, but they don't cover leachate, to my</p>	<p>27</p> <p>1 involved in this and who he talked to and what he had 2 communicated to the planners in their -- to see if they had 3 explained the -- Ms. Tesaday in the Parking and Planning 4 commission receive several phone calls and she basically 5 answered some of them 6 HEARING EXAMINER ROBESON HANNAN: Wait. Are you 7 testifying? 8 MR. KLINE: Yeah, I guess I was. I will take that 9 back. Thank you. I'm complete with my questions of Mr. 10 Putman. 11 We would then go ahead and present some of our 12 witnesses, allow him to cross-examine them and then -- 13 HEARING EXAMINER ROBESON HANNAN: That would be great. 14 Thank you. 15 MR. KLINE: Okay. Let me just forewarn you what I'm 16 going to be doing. I had a sequence where we would have 17 gotten to the issues raised by Mr. Putman somewhat 18 sequentially in terms of depth. But it sounds like he has 19 gone going straight to the most important issue of the case 20 anyway. So we probably need to start with that at the 21 beginning. 22 HEARING EXAMINER ROBESON HANNAN: Okay. As long as you 23 are comfortable that it provides the background you need to 24 present your witnesses. 25 MR. KLINE: We will eventually -- you will hear this</p>
<p>26</p> <p>1 knowledge. 2 So with that, I don't -- to hold up the planning 3 department, our environmental experts but not, to my 4 knowledge, as to the guidelines, but not to my knowledge as 5 to this issue because the staff report applies very 6 carefully the environmental guidelines. They just don't 7 address -- the guidelines don't address this issue. So 8 that's what I'm kind of seeing. 9 MR. PUTMAN: The other thing is, I searched for a 10 cemetery in a water supply watershed and was unable to find 11 one anywhere in the United States. There are some in other 12 countries and they are suffering the consequences. 13 Do you know of any -- of any cemeteries placed in a 14 watershed? Did any of that, in any of your research, Mr. 15 Eldadah or Mr. Kline? 16 MR. KLINE: Well, we will -- yeah, we will address 17 that. Yes, sir. 18 HEARING EXAMINER ROBESON HANNAN: Yeah, this is not 19 your time to ask questions. 20 Mr. Kline, do you -- 21 MR. PUTMAN: I'm sorry. 22 HEARING EXAMINER ROBESON HANNAN: Mr. Kline, do you 23 have any questions? 24 MR. KLINE: Not really. I didn't mean to pester Mr. 25 Putman. I just wanted to kind of figure out how we got</p>	<p>28</p> <p>1 subject addressed by a number of witnesses at different 2 levels and from different expertise. But I'm going to start 3 by first asking my clients, Mr. Mokhtarzada and Mr. 4 Eldadah. And my -- 5 HEARING EXAMINER ROBESON HANNAN: Now Mr. -- I'm sorry. 6 Mr. -- let me -- if someone had their hand up. I think it 7 was Mr. Haroon. 8 MR. MOKHTARZADA: It's fine. We can proceed. 9 HEARING EXAMINER ROBESON HANNAN: Okay. 10 MR. KLINE: Because I don't have my witnesses here in 11 my room with me, I have to ask my clients a question over 12 the internet. So if you'll allow me to ask that. My 13 correct, Mr. Mokhtarzada and Mr. Eldadah that Mr. Jones 14 would probably be the proper witness of the principles of 15 the applicant to address the -- some of the environmental 16 issues raised by Mr. Putman? 17 MR. MOKHTARZADA: Yes, you are correct in that. The 18 only thing -- 19 MR. KLINE: Okay. Wait, wait, wait. Hold on. First 20 you've got to introduce yourself and explain who you are. 21 HEARING EXAMINER ROBESON HANNAN: Wait. Please raise 22 your right hand. 23 Thank you, Mr. Kline. 24 Do you solemnly affirm under penalties of perjury that 25 the statements you are about to make are the truth, the</p>

Transcript of Hearing  
Conducted on July 30, 2021

8 (29 to 32)

<p style="text-align: right;">29</p> <p>1 whole truth and nothing but the truth?</p> <p>2 MR. MOKHTARZADA: I do.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: Please state your</p> <p>4 name, address, and email address for the record.</p> <p>5 MR. MOKHTARZADA: My name is Haroon Mokhtarzada. I</p> <p>6 live at 200 Point Acres Drive in Silver Spring, Maryland.</p> <p>7 And my email address is HaroonM@gmail.com.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: All right. Mr.</p> <p>9 Kline, is this a witness of yours?</p> <p>10 MR. KLINE: He was going to be my initial witness.</p> <p>11 Right now all I want to do is ask him -- Mr. Jones, I would</p> <p>12 like to start with Mr. Eldadah, but would you like me to</p> <p>13 come back and ask you any questions on the same subjects</p> <p>14 raised by Mr. Putman after?</p> <p>15 MR. MOKHTARZADA: No, not on this subject. I think</p> <p>16 Basil is completely capable of answering. I was just</p> <p>17 wondering if it would be useful for the hearing examiner to</p> <p>18 have a little bit more background before we get into the</p> <p>19 details. Just background of the project. You know, if that</p> <p>20 would be useful at all.</p> <p>21 HEARING EXAMINER ROBESON HANNAN: What type of</p> <p>22 background?</p> <p>23 MR. MOKHTARZADA: It sounded like you had some</p> <p>24 questions about what green burial was and kind of how it</p> <p>25 works and the use of caskets --</p>	<p style="text-align: right;">31</p> <p>1 focus on Mr. Putman's concerns.</p> <p>2 MR. KLINE: Okay, fine. But then we are going to</p> <p>3 address all of his questions. We're just not going to do it</p> <p>4 before you know what's actually going to happen out there.</p> <p>5 In which case I would then begin with Mr. Mokhtarzada who is</p> <p>6 one of the principles. He's been sworn.</p> <p>7 Haroon, would you please go ahead and provide testimony</p> <p>8 in terms of -- what I wanted you to testify in the beginning</p> <p>9 was why this is happening. What's happening here? And I</p> <p>10 guess I would like for you to kind of understand what's the</p> <p>11 motivation, what's the stimulus for. And was the mission</p> <p>12 of -- so let me begin by basically asking him I guess some</p> <p>13 basic questions. The applicant is Reflection Park Inc.</p> <p>14 What is Reflection Park Inc.?</p> <p>15 MR. MOKHTARZADA: So Reflection Park Inc. is a 501C(3)</p> <p>16 nonprofit organization. It's incorporated in the state of</p> <p>17 Maryland. And the purpose of the organization is to</p> <p>18 establish the first fully green burial ground in Montgomery</p> <p>19 County. It was mentioned earlier that there are other</p> <p>20 burial -- green burial grounds, but they are within other</p> <p>21 cemeteries.</p> <p>22 In furtherance of our mission to restore mankind's</p> <p>23 relationship with the cycle of life, death, and renewal so</p> <p>24 that people will (inaudible) and purpose. There are</p> <p>25 three -- sorry. Go ahead. You are on mute.</p>
<p style="text-align: right;">30</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Well, I thought --</p> <p>2 okay. Maybe I assumed Mr. Eldadah was going to address</p> <p>3 those. But I do. I would like that background if that's</p> <p>4 okay with you, Mr. Kline.</p> <p>5 MR. KLINE: Well no, I understand Haroon's point is you</p> <p>6 do need to understand what's going on and we have some</p> <p>7 graphics that show that. But I've got to jump around to get</p> <p>8 that all done. So let me start with --</p> <p>9 HEARING EXAMINER ROBESON HANNAN: Okay. This is a bad</p> <p>10 way to -- do you want to just proceed with Mr. Eldadah about</p> <p>11 the overall project and then get into the --</p> <p>12 MR. KLINE: Well, the predicament I have now is,</p> <p>13 whereas when I threw my suggestion on the table before I</p> <p>14 didn't expect we would get into the depth of the discussion</p> <p>15 in terms of health issues. Environment yes, but health</p> <p>16 issues -- and that would have been much later in our</p> <p>17 presentation. I'm almost now at a point, sort of taking a</p> <p>18 Mr. Jones' comment, that we maybe ought to start from</p> <p>19 scratch and walk you through the whole plan so you</p> <p>20 understand it better.</p> <p>21 HEARING EXAMINER ROBESON HANNAN: Well, I think that --</p> <p>22 I'm agreeing with you.</p> <p>23 MR. KLINE: Yeah, I think so.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: I would like to just</p> <p>25 get your sense of the overview and then will do our best to</p>	<p style="text-align: right;">32</p> <p>1 MR. KLINE: Could you go -- I'm sorry. Could you go</p> <p>2 back and repeated? It broke up and we lost some in there.</p> <p>3 And I think that was important what you just said.</p> <p>4 MR. MOKHTARZADA: Okay. Where did I -- should I just</p> <p>5 start with the purpose again?</p> <p>6 MR. KLINE: Well, your mission, yeah. You were saying</p> <p>7 why you are there.</p> <p>8 MR. MOKHTARZADA: Yeah, just to restore mankind's</p> <p>9 relationship with the cycle of life, death, and renewal so</p> <p>10 that people will live more conscientious and purposeful</p> <p>11 lives.</p> <p>12 And there are three main reasons we embarked on this</p> <p>13 nonprofit project. The first as mentioned is to restore our</p> <p>14 natural relationship with death. Green burial is basically</p> <p>15 how all burials were until very recently when we moved into</p> <p>16 a modern burial system of caskets and grave liners. But the</p> <p>17 rest of human history has been bodies have been placed in</p> <p>18 the ground.</p> <p>19 It also serves to bring down the cost of burials, which</p> <p>20 is one of my main motivations for the project. The average</p> <p>21 cost of a burial in Maryland now is \$10,500. And there are</p> <p>22 a lot of costs that go into that. It's very burdensome on</p> <p>23 many, many families in our community and other communities.</p> <p>24 And the third is to promote environmental stewardship.</p> <p>25 There is a reason a green burial is called a green burial.</p>

Transcript of Hearing  
Conducted on July 30, 2021

9 (33 to 36)

<p>33</p> <p>1 And there is a green burial counsel that promotes green 2 burial practices because they are actually much more 3 environmentally friendly than non-green burial practices 4 when it comes to cemeteries. It also serves to preserve 5 green spaces in areas because the grounds are not going to 6 mow down into one big green grass knoll like other 7 cemeteries are. And because there are bodies placed in the 8 ground, it preserves that land basically in perpetuity so 9 that someone is not going to come one day and knock down all 10 the trees and put something else there. 11 HEARING EXAMINER ROBESON HANNAN: Okay. 12 MR. MOKHTARZADA: You're muted, Jody. 13 MR. KLINE: Sorry about that. Do you have a background 14 in cemetery or funeral business? 15 MR. MOKHTARZADA: I do not. I am a technology 16 entrepreneur and a strategic giver and philanthropist. I -- 17 MR. KLINE: So why are you doing this then? That's the 18 leading question. Why are you doing this? Because it sort 19 of different out of your specialty area. 20 MR. MOKHTARZADA: It is. I'm doing it in service of 21 the community. I don't have any -- it's a nonprofit. I 22 don't really gain anything from it. I believe that this is 23 needed in this will be valuable to my community. I was born 24 in Montgomery County and I've lived here almost all my life. 25 And this felt like a project that was worth the time and</p>	<p>35</p> <p>1 MR. MOKHTARZADA: Sure. So it helps to just first 2 understand one of the primary differences is this doesn't 3 look like a cemetery. So what does the cemetery normally 4 look like? It looks like a graveyard. It's a flat piece of 5 land. It's manicured lawn usually. And then there's a 6 bunch of tombstones and mausoleums all over it. So there's 7 a few major differences with green burial. 8 The first is that the bodies are not embalmed. So 9 there is no from our hide and other chemicals used to 10 preserve the body, which is in place in other cemeteries. 11 The second is that the bodies are not placed in a hard wood 12 or metal caskets. They are either shrouded or they are put 13 in friendly biodegradable, simple pine boxes. So you are 14 not using words that might have varnishes or things that 15 have adhesives that could be potentially toxic. 16 And then from a visual standpoint, the grave markers 17 themselves, there will be flat grave markers on the ground. 18 Imagine a river stone that is etched versus standing 19 tombstones or mausoleums. What we plan to do, the property 20 is currently wooded. We would clear a small area that's a 21 burial ground and then begin to bury bodies there. And as 22 we do, we would intersperse diverse hardwood, local hardwood 23 trees with the graves. 24 And so what happens is, it's actually -- the property 25 is mostly tulip poplars today. So you sort of clear --</p>
<p>34</p> <p>1 money. 2 MR. KLINE: When Reflection Park is finished, what will 3 be the number of gravesites on the property? 4 MR. MOKHTARZADA: We think it will be somewhere in the 5 total -- so the property is 40 acres, but the burial area 6 that we carved out is much, much less than that. It's 7 more -- is closer to about a third of it. And when those 8 are filled, we're talking about 6,000 to 8,000 total graves. 9 And that would be over the course of many decades. 10 MR. KLINE: And is that a burial density commensurate 11 with most cemeteries in Montgomery County? 12 MR. MOKHTARZADA: It is not. So that is at a density 13 of about 600 graves per acre. A traditional cemetery can be 14 two or more times that dense. 15 HEARING EXAMINER ROBESON HANNAN: I'm sorry. What was 16 the number per acre? 17 MR. MOKHTARZADA: 600. In normal cemetery might do 18 1,000 to 1,500 bodies per acre. 19 HEARING EXAMINER ROBESON HANNAN: Okay. 20 MR. KLINE: And though others will discuss it more 21 detail, would you just kind of explain your idea of how to 22 integrate the burial operations with the natural features of 23 the property, the forest there today and to be replaced? 24 And can you explain what I'm saying when I asked the 25 question?</p>	<p>36</p> <p>1 you're burying and then your planting trees among those 2 graves. And so once that area is complete and you move on, 3 you now have beautiful trees growing there. So over time 4 the forest kind of returns to that area and you are slowly 5 kind of then clearing another area and working on that area. 6 What this will look like in the end state is a mostly 7 wooded lot with trails running through it and areas where 8 people can visit graves as well as a few of the structures 9 that run through it. And we did immense amounts of work to 10 keep burial areas -- we did a lot of water table testings 11 and other things to keep any burial areas in very safe 12 distances and obviously complying with all of the setbacks 13 and things from the watershed. We definitely would -- we 14 have no interest in doing any harm environmentally or 15 causing any obvious health or safety issues. And I really 16 believe we spent a lot of time and effort to make sure that 17 this would be respectful of that. 18 MR. KLINE: It was said that there were other sites 19 available to you when you were looking for a cemetery. Is 20 that a correct statement? 21 MR. MOKHTARZADA: No, that's not quite accurate. We -- 22 this was the -- this was the really only viable property we 23 ever found. There was one other one that we did consider 24 when we thought we weren't able to get this property. But 25 we did not believe that want to be viable because it was not</p>

Transcript of Hearing  
Conducted on July 30, 2021

10 (37 to 40)

<p>37</p> <p>1 on or near the main road. It was inside of a neighborhood 2 with a very small street going to it and we felt that a 3 small neighborhood like that would probably not appreciate 4 funerals happening there. 5 We did look around the county. It's quite difficult if 6 you look in Montgomery County to find a large multi-acre 7 lot, 10 plus acres, 20 plus acres. And because we wanted it 8 to be a natural looking thing, we actually weren't 9 interested in buying a parking lot or something like that. 10 We actually appreciated the existing woods that are there 11 and felt like we would be in a good position to preserve it. 12 MR. KLINE: When you purchased the property you were 13 aware of its proximity, or if you want to call it that, 14 within a mile, of the reservoir and the Patuxent Watershed? 15 MR. MOKHTARZADA: We were. And we had early meetings 16 with Parks and Planning because we said, hey, we are 17 thinking of purchasing this property. Is this -- what do 18 you think. And we presented kind of our ideas and stuff and 19 they indicated that, from their perspective, they did not 20 see an issue and that they would support the project. 21 HEARING EXAMINER ROBESON HANNAN: Mr. Kline, may I 22 interrupt a second? I can't remember, maybe I got lost in 23 the procedural stuff. I can't remember swearing him in and 24 whether he stated his name and address for the record. 25 Because all that's coming up on my list of people is Haroon</p>	<p>39</p> <p>1 MR. KLINE: Mr. Mokhtarzada, is it fair to say that 2 your goal, your dream is that when you are all finished and 3 75 years from now the property will look like it looks 4 today? 5 MR. MOKHTARZADA: No. It will look better than it 6 looks today. 7 MR. KLINE: Can you elaborate on that? 8 MR. MOKHTARZADA: Yeah, today it's basically an 9 abandoned property. And it seems that it used to be 10 something that maybe was farmland or something so that the 11 trees that are on the property are all tulip poplars. There 12 is actually some trash and debris on the property. It just 13 hasn't been kept at all. 14 When we are done with this, this will be a really 15 beautiful, wooded lot with trails that the community can 16 hike through with a really beautiful community center that 17 will -- people will be able to have memorial events and 18 other uses. And we think it will be kind of a real treasure 19 to the local community. 20 MR. KLINE: Thank you. I have no further questions of 21 Mr. Mokhtarzada. And he is available for any questions that 22 Mr. Putman would like to ask him. 23 HEARING EXAMINER ROBESON HANNAN: I just have one 24 question. Do you have an expert who is going to testify on 25 the water table testing? A separate expert?</p>
<p>38</p> <p>1 and I realized -- so let me just, out of abundance of 2 caution -- can you please raise your right hand? 3 Do you solemnly affirm under penalties of perjury that 4 the statements you are about to make are the truth, and have 5 made, are the truth, the whole truth, and nothing but the 6 truth? 7 MR. MOKHTARZADA: I do again. 8 HEARING EXAMINER ROBESON HANNAN: Oh, you did? Did you 9 state your name and address? 10 MR. MOKHTARZADA: Yes, I'm Haroon Mokhtarzada. 11 HEARING EXAMINER ROBESON HANNAN: Okay. Can you spell 12 your last name for the court reporter, please? 13 MR. MOKHTARZADA: Sure. It's M like Mary, O-K-H-T like 14 Tom, A-R-Z like zebra, A-D like David, A. 15 HEARING EXAMINER ROBESON HANNAN: Thank you, very much. 16 And did you give us your email address? 17 MR. MOKHTARZADA: Yes, my email is HaroonM@Gmail.com. 18 HEARING EXAMINER ROBESON HANNAN: Okay, thank you. 19 Thank you for taking the time to redo that just to satisfy 20 my anxiety. Okay. Go ahead, Mr. Mokhtarzada. Apologize. 21 How do you say? 22 MR. MOKHTARZADA: Yeah, that's right. It's 23 Mokhtarzada. 24 HEARING EXAMINER ROBESON HANNAN: Okay. Go ahead Mr. 25 Kline and Mr. Mokhtarzada. Thank you.</p>	<p>40</p> <p>1 MR. KLINE: I think the question was probably addressed 2 to Mr. Mokhtarzada. But you will hear testimony on that 3 subject from three more witnesses. 4 HEARING EXAMINER ROBESON HANNAN: Okay. All right. 5 Mr. Putman, do you have any questions? 6 MR. PUTMAN: No, I don't. I agree with most of what 7 Haroon said except that the place is wrong. It's a lovely 8 idea and his efforts and the expense that he has incurred so 9 far, and time and money is impressive. It's just a shame 10 that it's in the wrong place. 11 HEARING EXAMINER ROBESON HANNAN: Okay. Thank you. Go 12 ahead Mr. Kline. 13 MR. KLINE: Mr. Eldadah, would you please go ahead and 14 raise your hand and introduce yourself to the hearing 15 examiner so she can swear you in? 16 MR. MOKHTARZADA: Sure. My name is Basil Mokhtarzada. 17 HEARING EXAMINER ROBESON HANNAN: Just a second. Just 18 a second. Okay. For the record, your right hand is raised. 19 Do you solemnly wear under penalties of perjury that 20 the statements you are about to make are the truth, the 21 whole truth, and nothing but the truth? 22 MR. MOKHTARZADA: I do. 23 HEARING EXAMINER ROBESON HANNAN: Please state your 24 name, mailing address, and email address for the record. 25 DR. ELDAH: My name is Basil Eldadah. It spelled; B-</p>

Transcript of Hearing  
Conducted on July 30, 2021

11 (41 to 44)

41	<p>1 A-S-I-L, E-L-D-A-D-A-H. My home address is 15116 Bauer 2 Drive, Rockville, Maryland, 20853. And my email address is 3 EldadahB@gmail.com.</p> <p>4 HEARING EXAMINER ROBESON HANNAN: Thank you. Go ahead, 5 Mr. Kline.</p> <p>6 MR. KLINE: Mr. Eldadah, what is your role with the 7 applicant, Remembrance Park Inc.?</p> <p>8 DR. ELDADAH: I'm a cofounder of the nonprofit 9 organization and I also serve as president and secretary of 10 the organization.</p> <p>11 MR. KLINE: Mr. Eldadah, would you give us your 12 professional training? Since it's going to be relevant in 13 answering and responding to some of Mr. Putman's questions, 14 can you give us your background please?</p> <p>15 DR. ELDADAH: Yes, I have a medical degree and further 16 some specialty training in internal medicine and clinical 17 pharmacology. And I also have a PhD in neuroscience. I 18 currently work for a large biomedical research funding 19 agency.</p> <p>20 MR. KLINE: Mr. Eldadah, what you heard Mr. Putman 21 talking about, you've developed a familiarity with the 22 subject that he talked about today, have you not?</p> <p>23 DR. ELDADAH: Yes, you can say that.</p> <p>24 MR. PUTMAN: Well, I'm not sure --</p> <p>25 MR. KLINE: Well, I'm not smart enough to ask you the</p>	43	<p>1 each grave would be able to claim that piece of land, 4' x 2 10'. And as Haroon mentioned, our expectation is that the 3 burial density with that dimensioning would be at most 600 4 graves per acre.</p> <p>5 The Green Burial Council is a nonprofit 501C(3) 6 organization that promotes green burial options across 7 United States. And they also provide guidance and 8 certification for green burial cemeteries. And they also -- 9 and 600 graves per acre is their recommendation for maximum 10 grave density because it does allow for a lighter use of the 11 lands and is more consistent with the environmental 12 stewardship goals that the Green Burial Council promotes.</p> <p>13 So the graves will be dug at the depth of approximately 14 4 feet. This is a happy medium between a grave that is not 15 too shallow, that would invite animals, or perhaps smells 16 emitting through the soil, and not too deep to allow for 17 rapid decomposition of the body. The deeper a grave is, the 18 more slowly it decomposes. So the Green Burial Council 19 recommends a grave depth of about 4 feet.</p> <p>20 And that is our intention, that is how we expect to 21 bury. After a body is placed in the grave we expect to 22 cover it with dirt, typically with hand shovels, which is 23 different from many other traditional cemeteries, and this 24 allows us to not only return the dirt into the grave but it 25 also allows families and other members of the group</p>
42	<p>1 right questions. So I'm going to ask you if you could 2 please, taking your background and your knowledge, and 3 address Mr. Putman's questions addressing the health issues 4 and the environmental issues of the green burial process. 5 And then we will work into how it relates to the site 6 itself. And maybe you ought to start with the actual burial 7 process and give another just more elaborate description on 8 the process.</p> <p>9 DR. ELDADAH: Certainly. So as Haroon as mentioned, 10 our intention is to provide green burial, which is a natural 11 approach to burying bodies that involves no embalming, no 12 concrete liners or vaults, no metal caskets, no hardwood 13 caskets that may contain varnishes, adhesives, and other 14 toxic chemicals. So it's a natural way of returning our 15 bodies to the ground from whence they came and providing 16 opportunities for a natural, and I should say rapid 17 decomposition of bodies. Our typical procedure would be to 18 dig grave plots that occupy a --</p> <p>19 HEARING EXAMINER ROBESON HANNAN: I couldn't -- I 20 missed that word. A grave. What did you say?</p> <p>21 DR. ELDADAH: Plot, a grave plot.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Plot. Plot.</p> <p>23 DR. ELDADAH: Yes. The area of land that a typical 24 grave would occupy is 4' x 10'. The actual hole that dug 25 within the ground would be closer to about 3' x 7'. But</p>	44	<p>1 attending the funeral to participate in the funeral. And 2 this is an important aspect of the funeral process.</p> <p>3 Yes?</p> <p>4 MR. KLINE: Basil, could you go back and maybe do a 5 little bit more explanation of how you are wrapping the 6 bodies and what you are placing them in the ground with? 7 What's involved in that? Or the options that are available?</p> <p>8 DR. ELDADAH: Yes. So a green burial involves using 9 only natural, readily biodegradable materials for shrouding 10 the body or containing the body. And depending upon the 11 family's wishes, a body may be contained in a simple burial 12 shrouds made of natural, readily biodegradable materials, 13 such as cotton or linen. Or, the body may also be placed in 14 a readily biodegradable casket. So that would be made out 15 of, perhaps, a simple plywood box. There are also other 16 options more widely available now as this is an area of 17 tremendous growth and innovation in developing green burial 18 products and options. As I said, there are lots of 19 different casket options made out of willow or bamboo. 20 Sometimes even mushrooms. There are many options. But the 21 common thread across all these options is that they are all 22 readily biodegradable.</p> <p>23 MR. KLINE: And Haroon, alluded to some of the problems 24 that current burial techniques in terms of water used in 25 some of the environmental -- adverse environmental effects</p>

Transcript of Hearing  
Conducted on July 30, 2021

12 (45 to 48)

<p style="text-align: right;">45</p> <p>1 from those. Would you just kind of elaborate on -- by 2 elimination of the vaults and the caskets and some of the 3 other things we see today, some of the environmental 4 benefits that flow from that?</p> <p>5 DR. ELDADAH: Yes. So green burial does not use any of 6 these concrete liners or vaults. The reason being that 7 these containers retard -- they do not prevent, but they 8 retard the natural decomposition of bodies in the ground. 9 But these materials are actually quite environmentally 10 unfriendly. The production of concrete that is used in the 11 grave liners and vaults releases a tremendous amount of 12 carbon into the atmosphere. In addition, other conventional 13 caskets made out of metals or hardwoods they also are not 14 environmentally friendly. Many of them use varnishes or 15 adhesives that may be toxic.</p> <p>16 There is also no embalming. This is important. So 17 embalming uses formaldehyde, or formaldehyde like chemicals. 18 And although it's not clear whether those materials put in 19 the ground because any risk, they are toxic to the funeral 20 workers and morticians whose handle those chemicals, and 21 there is a higher rate of certain neurologic conditions like 22 myocardial sclerosis in people who routinely conduct 23 embalming.</p> <p>24 MR. KLINE: I'm trying to think for the best -- well, 25 let me kind of jump ahead.</p>	<p style="text-align: right;">47</p> <p>1 body water would be approximately 35kg. 2 In addition, during the decomposition process that 3 occurs naturally, some of the tissues that are normally more 4 solid would liquify as a natural part of that process. And 5 so that would also add to this total amount of liquid that 6 is referred to here as necro-leaching.</p> <p>7 MR. KLINE: You mention that one of the benefits of 8 green burials is that there wouldn't be any introduction of 9 anything to try and preserve the body, and that was a good 10 thing. But Mr. Putman made an interesting point, and that 11 is sometimes when bodies are buried, they have residual 12 chemicals in them that work may be part of medical 13 treatments they were having. Based on your medical 14 experience what happens to those chemicals or medicines as 15 part of the biological degradation process?</p> <p>16 DR. ELDADAH: So every organic chemical has a natural 17 half-life. Whether it is in the body where it is 18 metabolized by the kidneys or the liver, or it may also just 19 naturally degrade as a result of chemical processes outside 20 the body. And so that would be the expectation for all 21 agents whether they are chemotherapeutic agents or other 22 drugs that are intended to treat other diseases. They all 23 are organic compounds naturally and biodegrade.</p> <p>24 These chemotherapy agents, by their nature, are toxic 25 to cells, and in treatment to cancer typically with a</p>
<p style="text-align: right;">46</p> <p>1 I guess I want to thank Mr. Putman for introducing me 2 to that somewhat frightening term, necro-leachate. So what 3 is that?</p> <p>4 DR. ELDADAH: That is also a term that I had not come 5 until receiving Mr. Putman's letter was introduced to. 6 Although after also conducting Google searches I suspect 7 similar searches to what Mr. Putman conducted I also found 8 that this is a term that does, indeed, exist. And I believe 9 that the term is comprised of two terms, necro, meaning or 10 relating to death. And leachates, meaning that which 11 leaches into the ground.</p> <p>12 MR. KLINE: So what is the element or what is the 13 composition that that part of the body that composes the 14 part that is being -- basically, being leached?</p> <p>15 DR. ELDADAH: So Mr. Putman cites this article in Acta 16 Scientific, which describes this necro-leachate as the total 17 amount of liquid that emanates from a body after death. So 18 it's -- I suspect where this figure derives from is the 19 amount of total body water in a typical adult, which for a 20 70kg adult total body water which is all the water within 21 our bodies is approximately, depending age and sex, and 22 frailty or other conditions, something on the order of about 23 50 percent, plus or minus.</p> <p>24 I suspect that's where that figure comes from out of 25 the 70kg body a liter weighs a kilogram. And so the total</p>	<p style="text-align: right;">48</p> <p>1 traditional chemotherapeutic agent they target cells that 2 are rapidly dividing. So a cell that is not dividing 3 rapidly, typically would not be affected. This is again, by 4 traditional chemotherapy agents.</p> <p>5 I should mention that these agents, while they are 6 toxic to certain cells, they are safe enough to actually be 7 given to living human beings. They are not so toxic that 8 they are actually -- they kill humans. And so, of course, 9 with all agents the -- all drugs their effect is dependent 10 not only on their composition but also their concentration. 11 And we can talk a little more about the concentration of 12 these drugs in the soil if you like.</p> <p>13 MR. KLINE: Well, actually that is where I was going to 14 go. So as the body dissolves do these elements in 15 themselves, basically dissolve, or are they distributed -- 16 are they basically absorbed into the soil in some fashion? 17 What I'm trying to lead up to is -- well you. Go ahead. 18 Just answer what I've that's the direction I think you are 19 going.</p> <p>20 DR. ELDADAH: Yes. Yes. Certainly. Thanks. So yeah, 21 that is true. So we should mention that soil is an 22 excellent medium for decomposition of all organic compounds, 23 and that really is the basis for green burial. It is, 24 perhaps, the most natural and quite efficient way of 25 allowing the body to return to the earth.</p>

Transcript of Hearing  
Conducted on July 30, 2021

13 (49 to 52)

<p style="text-align: right;">49</p> <p>1 I should also just mentioned that we appreciate Mr. 2 Putman's concern, and it's a concern that we share as well. 3 Environmental stewardship is one of our main mission areas. 4 So we too want to ensure that this project is respectful and 5 protective of the environment. We think that we have 6 designed this at burial ground with these environmental 7 concerns in mind, and have taken lots of pains and spent 8 many hours, as well as considerable expense to ensure that 9 we are being respectful and true to our environmental 10 mission. 11 HEARING EXAMINER ROBESON HANNAN Well, I guess my 12 question is, is this going -- are the toxic chemicals going 13 to leach into the groundwater, or the river, or neighboring 14 wells? 15 DR. ELDADAH: Yes. And I'd like to address, and I 16 believe we have others who will address that as well. And 17 our response to that is we do not believe they will. And 18 it's simply for a couple of reasons. But one is simply just 19 the math. The scale at which this is going to happen. So 20 if you take the 30 to 40 liters of fluid that was cited in 21 Mr. Putman's letter, that equates to approximately 10 22 gallons. That's per body. 23 So if you look at a typical gravesite, which is, as I 24 mentioned, 4' x 10' so that's 40 square feet. And then, we, 25 as you have in your report, we conducted extensive tests and</p>	<p style="text-align: right;">51</p> <p>1 naturally will decompose over the course of approximately 2 four to five months or so, give or take. So this leaching 3 or this filtration of the liquid is happening over the 4 course of let's just say four months as an estimate. That 5 comes out to about a quarter of a teaspoon per day per cubic 6 foot of soil. So it's a very, very, very tiny amount of 7 liquid that is being filtered through. And that's why we 8 feel confident in saying that the ability for these -- this 9 liquid to effect the water table or water sources, we feel 10 confident in saying that this will not have an effect. 11 And this is irrespective of the requirement that we 12 have adhered to situate our graves a significant distance 13 away from the water sources that run through the back of the 14 property. 15 But there is even one more point that I think is 16 important to mention which is what is it in this fluid that 17 is of concern. Why are we concerned about this in the first 18 place. So the vast majority of decomposition of human 19 bodies is due to our own bacteria that we carry with us, 20 that we're all living with right now. We're actually 21 outnumbered. Our own cells are outnumbered by bacteria 10 22 to 1. It's safer to say that we are a conglomeration of 23 bacteria with some human cells attached to it. 24 These are bacteria that live on our skin, and our 25 respiratory tracts, in our intestinal tracts, and these</p>
<p style="text-align: right;">50</p> <p>1 dug over 20 test pits across the property to determine the 2 level of seasonally high water table. 3 And we found that in most of the test sites the 4 seasonally high water table was a not found even after 5 digging to a depth of 10 feet. And for those areas where 6 the seasonally high water table was found at a shallower 7 depth, we have designed the cemetery to avoid those areas. 8 So we have, at least, on average, 6 feet at least of soil 9 between the bottom of the grave and where the seasonally 10 high water table would be expected to be. So for every 11 grave, that's 240 cubic feet of soil. 12 Now, if you take 10 gallons of necro-leachate, filtered 13 through 240 cubic feet, that's equal to 1 gallon filtered 14 over 24 cubic feet, or .04 gallons filtered through 1 cubic 15 foot. So .04 gallons is equal to about two-thirds of a cup. 16 And a cubic foot is about the amount of soil that you would 17 have in a medium size potted plant. So just based on this 18 calculation, filtration of this necro-leachate is equivalent 19 to pouring about two-thirds of a cup over a medium size 20 potted plant. 21 But there is one aspect of this that hasn't been 22 mentioned yet, and that is what is the period of time over 23 which this is happening. This is not equivalent to simply 24 watering your plants with two-thirds of a cup and over the 25 course of a couple of seconds. A body that's buried</p>	<p style="text-align: right;">52</p> <p>1 bacteria by and large, are symbiotic with us. They do not 2 cause disease typically during life. And they do not -- the 3 evidence is very limited that they cause any disease to 4 others after burial. 5 And this gets at kind of a larger issue that we are 6 trying to address through this project and our larger 7 mission, which is to address this notion that somehow dead 8 bodies are toxic. This idea probably emanated, or at least 9 it had a big push during the middle ages when there was a 10 pandemic of bubonic plague and people didn't understand the 11 nature of infectious diseases and the plague spread rapidly 12 throughout Europe. There burial practices that they used at 13 that time probably were not nearly as attentive to 14 environmental concerns as we are today. 15 But the notion that's -- 16 HEARING EXAMINER ROBESON HANNAN What about the 17 chemotherapy drugs? 18 DR. ELDADAH: So I should mention that there are lots 19 of different chemotherapeutic agents and they are organic 20 compounds. And so as a result they are subject to the same 21 processes of degradation and decomposition as many other 22 compounds. These chemotherapeutic drugs, I think it's safe 23 to say, are not any more toxic than pesticides that are 24 applied to many areas of land around the property that we 25 are discussing.</p>

Transcript of Hearing  
Conducted on July 30, 2021

14 (53 to 56)

53	<p>1 But we also need to consider that the people who have</p> <p>2 chemotherapy are excreting those agents all the time in</p> <p>3 their urine and in their feces and those agents are going</p> <p>4 into the ground through septic systems or other sources. So</p> <p>5 these chemotherapeutic agents are, indeed, in the</p> <p>6 environment all the time.</p> <p>7 But, the point I want to make is that the concentration</p> <p>8 of these agents is extremely, extremely low. There is no</p> <p>9 such thing as a pure water or pure (inaudible). It is</p> <p>10 simply just that the dilution of these agents is so great</p> <p>11 that it renders these agents, we believe, harmless.</p> <p>12 So I also want to make the point that the vast majority</p> <p>13 of causes of death in this country are not infectious in</p> <p>14 nature. The top causes of death in this country are</p> <p>15 cardiovascular disease, cancer, accidents, chronic lung</p> <p>16 disease, stroke, Alzheimer's disease, diabetes, and kidney</p> <p>17 disease. These are non-infectious diseases, and so we would</p> <p>18 not expect that people who died from these diseases would</p> <p>19 have any greater infectious risk than anyone else.</p> <p>20 And then, I also want to make one other comment which</p> <p>21 is --</p> <p>22 HEARING EXAMINER ROBESON HANNAN Can I ask you one more</p> <p>23 question about the chemotherapy? I'm sorry. Is it your</p> <p>24 position that the 6 feet -- you said the graves will be 6</p> <p>25 feet above the highest seasonal water table?</p>	55	<p>1 Both of these young men are very impressive and Dr.</p> <p>2 Eldadah's credentials, I was unaware of at the outset. But</p> <p>3 he has referenced several times organic chemotherapy.</p> <p>4 MR. KLINE: Okay. I am going to object now, because</p> <p>5 it's not a question it seems like.</p> <p>6 MR. PUTMAN: Well, my question is --</p> <p>7 HEARING EXAMINER ROBESON HANNAN Yeah.</p> <p>8 MR. PUTMAN: -- is he familiar with the inorganic</p> <p>9 chemotherapies that are being referenced in European</p> <p>10 literature now, that's a problem not only with green burial,</p> <p>11 but it's a problem with the traditional cemeteries? The</p> <p>12 organic chemotherapies that have been introduced --</p> <p>13 HEARING EXAMINER ROBESON HANNAN Okay. I'm taking --</p> <p>14 MR. KLINE: We're glad to answer the question.</p> <p>15 HEARING EXAMINER ROBESON HANNAN -- question -- this is</p> <p>16 the time for cross examination. So you can put your hand</p> <p>17 down and I'll let him answer.</p> <p>18 Is your testimony addressing inorganic chemotherapy,</p> <p>19 Dr. Eldadah?</p> <p>20 DR. ELDADAH: So yes, it is true that there are</p> <p>21 multiple agents. Whether they are referred to as organic</p> <p>22 compounds or they may have non-organic aspects to them as</p> <p>23 well.</p> <p>24 So for example, it says platin or Carboplatin are</p> <p>25 chemotherapeutic agents that have platinum in them.</p>
54	<p>1 DR. ELDADAH: At least.</p> <p>2 HEARING EXAMINER ROBESON HANNAN At least. So is it</p> <p>3 your position that the chemotherapy -- can the soil -- will</p> <p>4 the soil act to decompose the chemo drugs? Is that your</p> <p>5 position, or is it just that there will be minuscule amounts</p> <p>6 over a period of time?</p> <p>7 DR. ELDADAH: Oh, the soil and what is in the soil</p> <p>8 exerts a tremendous effect on the decomposition of these</p> <p>9 organic chemicals.</p> <p>10 HEARING EXAMINER ROBESON HANNAN Are chemo drugs</p> <p>11 organic?</p> <p>12 DR. ELDADAH: Yes, they are. They are.</p> <p>13 HEARING EXAMINER ROBESON HANNAN Okay.</p> <p>14 MR. PUTMAN: May I interrupt, please?</p> <p>15 HEARING EXAMINER ROBESON HANNAN It's his -- you can</p> <p>16 ask a question, and you're going to get a chance to</p> <p>17 retestify.</p> <p>18 Mr. Kline, do you want to let Mr. Putman intervene,</p> <p>19 or --</p> <p>20 MR. KLINE: I'm sure he's trying to get a</p> <p>21 clarification, and I think it's okay to let him ask the</p> <p>22 question. Sure.</p> <p>23 HEARING EXAMINER ROBESON HANNAN Okay. Go ahead, Mr.</p> <p>24 Putman.</p> <p>25 MR. PUTMAN: Thank you, Ms. Hannan.</p>	56	<p>1 Platinum, of course, is a naturally occurring metal that is</p> <p>2 found in the ground. So our assertion is that the soil acts</p> <p>3 as a natural filter and promotes the degradation of really</p> <p>4 any compound. It suggests that organic compounds tend to be</p> <p>5 most readily susceptible -- or readily biodegradable and</p> <p>6 susceptible to that process.</p> <p>7 HEARING EXAMINER ROBESON HANNAN Okay. I interrupted</p> <p>8 your flow. I apologize.</p> <p>9 Mr. Kline, do you want to go ahead?</p> <p>10 MR. KLINE: Well, I think I've exhausted -- well, maybe</p> <p>11 I should ask Mr. Eldadah, but I think he's probably</p> <p>12 exhausted his response to Mr. Putman's comments. If I'm</p> <p>13 wrong and that, please continue. But if not, we would</p> <p>14 probably go not to some of his other operational testimony.</p> <p>15 HEARING EXAMINER ROBESON HANNAN That's fine.</p> <p>16 MR. KLINE: So I was going to suggest that we make Mr.</p> <p>17 Eldadah available for Mr. Putman's cross-examination on that</p> <p>18 subject now because he's not going to have any questions</p> <p>19 about the remaining testimony.</p> <p>20 HEARING EXAMINER ROBESON HANNAN Okay. Mr. Putman,</p> <p>21 would you like to cross-examine Dr. Eldadah, please?</p> <p>22 MR. PUTMAN: Thank you, Ms. Hannan.</p> <p>23 Again, I greatly respect your background and your</p> <p>24 credentials and the project that you have underway. And my</p> <p>25 objection is not to the project. I agree with almost</p>

Transcript of Hearing  
Conducted on July 30, 2021

15 (57 to 60)

<p>57</p> <p>1 everything about it, except its location.</p> <p>2 I would say that there are synthetic chemotherapeutic</p> <p>3 agents of that are causing great concern in Europe now, and</p> <p>4 they're not only from green burials but they are from all</p> <p>5 the traditional cemeteries. And the European Commission is</p> <p>6 beginning to take some steps that appear to be the best they</p> <p>7 can do probably. But we have a problem. We don't know it</p> <p>8 in this country widely yet because the FDA and the EPA don't</p> <p>9 agree on jurisdiction. But the problem is there, and it</p> <p>10 somewhat from the organic, but from the inorganic</p> <p>11 chemotherapeutic agents have been introduced in recent</p> <p>12 years.</p> <p>13 And so my question is, are you going to restrict bodies</p> <p>14 that are full of chemotherapy from green burial, and how can</p> <p>15 you do that? Or, are you going to take the risk?</p> <p>16 DR. ELDADAH: It is not our intention to restrict</p> <p>17 burial options to only certain individuals who have or have</p> <p>18 had certain courses of treatment because we believe that the</p> <p>19 green burial process is an effective way of providing</p> <p>20 decomposition of bodies regardless of how they have been</p> <p>21 treated.</p> <p>22 MR. PUTMAN: Thank you. I have one more question. And</p> <p>23 that is, you are in a rural cluster zone which prescribes</p> <p>24 well and septic. And do you intend to get well water out of</p> <p>25 a well drilled on your property for the use of your</p>	<p>59</p> <p>1 the gentleman talking about the operational issues but, can</p> <p>2 you start from New Hampshire Avenue and walk us through from</p> <p>3 west to east on how the property is going to lay out and</p> <p>4 sort of the high level overview of what you are trying to</p> <p>5 accomplish on the property? And then, I'll basically come</p> <p>6 back and kind of ask you some operational questions once the</p> <p>7 hearing examiner understands the phasing steps. Thank you.</p> <p>8 THE WITNESS: Yes, certainly. So as a big picture, as</p> <p>9 Haroon mentioned earlier, our intention is to create a</p> <p>10 natural looking space that looks more like a park than a</p> <p>11 cemetery. And so our plan is, as you enter the property on</p> <p>12 New Hampshire Avenue there would be a line of trees, first</p> <p>13 of all, that ensures -- maintains the character -- the rural</p> <p>14 character of the area. Beyond that, would be an entrance</p> <p>15 gate that would also be constructed in a way to -- with a</p> <p>16 more naturalistic looking setting.</p> <p>17 And then, beyond that entrance, I gate through which</p> <p>18 the internal drive would proceed, you would find further</p> <p>19 vegetation and trees, and then there would be three</p> <p>20 buildings constructed. One would be the entry pavilion to</p> <p>21 the right. This is an open air pavilion that would serve as</p> <p>22 a gathering space. There are many green burial ceremonies</p> <p>23 that would likely be initiated from that site and then would</p> <p>24 march towards the burial site. It would also be a meeting</p> <p>25 space for individuals looking to take advantage of the</p>
<p>58</p> <p>1 employees and your operations? Or do you intend to use the</p> <p>2 W3 category that indicates that WSSC water is available for</p> <p>3 connection across the street, I think, at the golf course?</p> <p>4 DR. ELDADAH: We do not intend to drill any wells on</p> <p>5 the property, and we expect to use the water supplied by</p> <p>6 WSSC. And there is actually a fire hydrant right there at</p> <p>7 the corner of New Hampshire Avenue on our side of the</p> <p>8 property that we will connect to.</p> <p>9 MR. PUTMAN: Okay. The last question in this</p> <p>10 particular regard, if the wells of adjoining RC property</p> <p>11 owners are fouled by any runoff from Reflection Park, how</p> <p>12 will you indemnify that? Or will you?</p> <p>13 DR. ELDADAH: We are certainly very sensitive to the</p> <p>14 concerns of our neighbors and the last thing we want to do</p> <p>15 is create environmental concerns for them.</p> <p>16 We have taken pains to ensure that the wells around</p> <p>17 the -- with our neighbors are addressed and that we are</p> <p>18 maintaining appropriate setbacks from those sources we</p> <p>19 believe it will be well beyond what the County requires for</p> <p>20 maintaining setbacks from those wells. Most of the</p> <p>21 properties in our area are served by municipal water supply.</p> <p>22 MR. PUTMAN: Thank you. That's -- I have no more</p> <p>23 questions for Mr. Eldadah.</p> <p>24 HEARING EXAMINER ROBESON HANNAN Thank you. Mr. Kline?</p> <p>25 MR. KLINE: Mr. Eldadah, I said you were going to be</p>	<p>60</p> <p>1 natural hiking trails that we plan on building on the site.</p> <p>2 There would also be, to the left of the entry road to</p> <p>3 the structures, and office building that would be used</p> <p>4 primarily for conducting business transactions and</p> <p>5 discussing with families the options for burial on the site.</p> <p>6 And there would be a maintenance shed towards the west of</p> <p>7 the property that would be used for storing the</p> <p>8 groundskeeping equipment and the tents, tarps, shovels and</p> <p>9 other equipment for our burial operations.</p> <p>10 Beyond those buildings, the road would proceed through</p> <p>11 down about the center of the property in the cul-de-sac --</p> <p>12 or around about and there would be burial areas on both</p> <p>13 sides of that road. That would be the first phase of our</p> <p>14 construction. That takes us approximately, I believe, 900</p> <p>15 feet or so, into the property from New Hampshire Avenue.</p> <p>16 That first phase would -- is what we intend to</p> <p>17 construct first. And would probably be the only development</p> <p>18 on the area -- on the property for approximately five years</p> <p>19 or so. And depending on how many burials we have over the</p> <p>20 course of several years, that would -- oh, thank you.</p> <p>21 So you can see the plan here. And so what I'm</p> <p>22 referring to is the operations up to that first circle</p> <p>23 there. Yes, thank you. And so you can see burial area on</p> <p>24 both sides. You also see, a little closer to New Hampshire</p> <p>25 Avenue, there is a large septic fields. That's an</p>

Transcript of Hearing  
Conducted on July 30, 2021

16 (61 to 64)

<p>61</p> <p>1 compliance with the requirements for septic fields in this 2 area.</p> <p>3 And then, you can see that the second phase of this 4 operation will proceed from the ground about further on to 5 the northeast with continuation of the roadway. And then, 6 you see the construction of a larger community building in 7 the corner of the property with its associate parking lot 8 and a larger maintenance shed that would be required for 9 maintaining the grounds in this larger area.</p> <p>10 You can also see that there are multiple hiking trails 11 that wind through the property. And this is an important 12 part of our mission because we want to be able to create a 13 naturalistic looking cemetery that people will be able to 14 take advantage of and enjoy. Not simply for the sake of 15 visiting the graves of family members or friends, but also 16 for other visitors who simply want to be able to take 17 advantage of the natural beauty of the property.</p> <p>18 MR. KLINE: Mr. Eldadah, let me take you back one step, 19 and that is, when you and I were speaking the other day, you 20 brought to my attention that the office building, we don't 21 have any elevations in the application or in the file yet.</p> <p>22 Madam Hearing Examiner, could you -- or at the 23 conclusion of the hearing could we ask you to leave the 24 record open long enough for us to submit those elevations? 25 The problem was --</p>	<p>63</p> <p>1 MR. KLINE: Okay. Thank you. So let me take you away 2 from the physical aspects of it and talk about the 3 operational aspects. When do we open up and what happened 4 and we open up, and just walk us through a day at Reflection 5 Park.</p> <p>6 DR. ELDADAH: Sure. So when we open up, I assume that 7 you mean a time of day, rather than a year.</p> <p>8 MR. KLINE: Yeah. Yes, correct. Daily operations, 9 right.</p> <p>10 DR. ELDADAH: Yes. So we expect that operations will 11 occur during daylight hours. So staff and visiting hours 12 would typically be between 8:30 a.m. and sunset. And so the 13 grounds would be open and available much like any park for 14 anybody to come and visit and hike or conduct business with 15 us.</p> <p>16 We expect that burials will typically occur outside of 17 the normal peak traffic hours so it's something like between 18 9:30 a.m. and 3:30 p.m. We expect that there will be 19 starting out --</p> <p>20 HEARING EXAMINER ROBESON HANNAN Would you object? Is 21 there a condition to that effect?</p> <p>22 MR. KLINE: We have agreed that certain activities 23 would not occur during peak hours, yes. That -- there is a 24 condition to that effect.</p> <p>25 HEARING EXAMINER ROBESON HANNAN Okay. Go ahead, Dr.</p>
<p>62</p> <p>1 HEARING EXAMINER ROBESON HANNAN And this would be the 2 large office building or the temporary --</p> <p>3 MR. KLINE: No, ma'am. It's right -- it's on the 4 north -- be on the upper side -- there you go. On the upper 5 side of the entrance of the driveway as you come in there 6 will be a small office building.</p> <p>7 Mr. Eldadah, can you give us the dimensions and the 8 height of the building?</p> <p>9 DR. ELDADAH: Yes. So we have indicated that the small 10 office building would have a footprint of 24 by 26 feet. 11 And a height we have indicated a maximum of 24 feet, though 12 we expect that will likely -- the finished building will be 13 less than that.</p> <p>14 MR. KLINE: And would you explain why we didn't have 15 the elevations into the record, I guess, over time the idea 16 of what it should look like has evolved, and could you 17 elaborate on that?</p> <p>18 DR. ELDADAH: Yes. We were concerned with simply 19 identifying the appropriate placement and footprint of the 20 building. But we are still determining the final look of 21 the building. However, we do know that the exterior look 22 will have -- will fit in with the rural character of the 23 property and we expect that it will be something sort of 24 akin to an Amish shed type structure with a wooden, or wood- 25 like exterior and the windows and doors -- that's it.</p>	<p>64</p> <p>1 Eldadah, I'm sorry.</p> <p>2 DR. ELDADAH: That's okay. We expect that initially 3 our staffing would likely be small. Perhaps there would be 4 one person and an executive director there on site. And as 5 we grow, we expect that we will have up to perhaps three 6 additional staff. And we'll also have a few groundskeeping 7 staff as well, which may be part of our organization and/or 8 may be contracted out.</p> <p>9 MR. KLINE: You didn't mention any specific numbers, 10 but the numbers that are in the staff report and the 11 statement of operation are representative of the staff 12 numbers, right?</p> <p>13 Give the hearing examiner a sense of the maximum at any 14 given time of staff.</p> <p>15 DR. ELDADAH: So we've written into the report what we 16 plan on is that the maximum staff would be an executive 17 director plus up to three additional staff. And 18 groundskeeping staff would be an additional up to three 19 individuals.</p> <p>20 MR. KLINE: And Madam Hearing Examiner, before I 21 proceed, can I correct, or maybe elaborate on the answer to 22 your question?</p> <p>23 Staff recommended condition number 7, which was 24 acceptable to the Applicant reads, "Trip generation for 25 approved uses must not exceed 50 peak hour person trips</p>

Transcript of Hearing  
Conducted on July 30, 2021

17 (65 to 68)

<p style="text-align: right;">65</p> <p>1 within the peak weekday, morning and evening peak periods." 2 And we've always been stated that in the reverse that we 3 would -- any activities of any density would always occur 4 outside of the peak hours. 5 HEARING EXAMINER ROBESON HANNAN Peak hours or peak 6 periods? 7 MR. KLINE: Peak -- oh yeah. I'm sorry, peak periods, 8 yes, ma'am. 9 HEARING EXAMINER ROBESON HANNAN Okay. 10 MR. KLINE: That's the way the condition reads and 11 that's acceptable to the Applicant. 12 HEARING EXAMINER ROBESON HANNAN Okay. Thank you. 13 MR. KLINE: Mr. Eldadah, so we talked about the hours 14 of operation and the number of people that will be working 15 there; can you give us a little bit more of a sense of the 16 activities? When people are coming and maybe break it out 17 into the burial part side of it as compared to the quote 18 community side of it, that I know you folks are trying to 19 foster and encourage on the property? 20 DR. ELDADAH: Yes. So the primary activity would, of 21 course, be burial related. And so the primary activities 22 would be -- would involve what you might call preneeds 23 activities; that is activities conducted before the actual 24 need of a burial where a family may come and visit the site 25 and they would see the different options available to them.</p>	<p style="text-align: right;">67</p> <p>1 taking advantage of the natural resources on the property 2 that are available there. 3 So these would be small classes we expect and they 4 would also be subject to the similar constraints regarding 5 traffic and the size of the groups on the site. And then, 6 we also expect there might be meetings of -- related to 7 green burial for environmental groups who wish to take 8 advantage of the site to conduct their meetings or maybe 9 workshops on natural green burials, funerals, other topics 10 related to the larger mission of our organization; lectures 11 and seminars, so things of that nature. 12 We really intend for this to be a community resource 13 and to be available for the community to take advantage of. 14 MR. KLINE: And to go back, and have you reiterate 15 something that you mentioned earlier. There will be times 16 in the day when there will be no staff on the property, yet 17 the property will be open for the general public to walk on 18 and just enjoy the setting? 19 DR. ELDADAH: Yes, that's correct. 20 MR. KLINE: So that's sunrise to sunset? Is that -- or 21 is that a reasonable time frame? 22 DR. ELDADAH: Yes, we expect that that will be our 23 normal operating hours. 24 MR. KLINE: Mr. Eldadah, in terms of trying to educate 25 your neighbors, can you describe your outreach efforts to</p>
<p style="text-align: right;">66</p> <p>1 We except that that would occur during the normal operating 2 hours. 3 And then, we expect more rarely, for burials to occur. 4 We think, our best guess is that starting out we may have 5 something on the order of perhaps one burial a week. And at 6 our peak, perhaps, we would have something like, maybe, 7 three, four burials a week. It's a hard to estimate but 8 that's what we're assuming. These burials would occur, 9 again, during the hours as I mentioned. And they would 10 occur Monday through Friday, as well as on weekends. 11 So that is the burial aspect. We have designed phase 1 12 in such a way to accommodate these burials both in terms of 13 the number of plots as well as the roadway constructed 14 internally that would be able to absorb any of the traffic 15 attending a funeral so we do not expect that traffic will 16 need to spill out onto New Hampshire Avenue. 17 Those are the burial activities. As we mentioned, our 18 larger, overarching mission is to just bring a little more 19 normality to the process of death. And so consistent with 20 that mission, is to provide a space where activities in 21 addition to burials can take place that are normal parklike 22 activities. So we would expect that in addition to 23 individuals who wish to hike the grounds, we may also allow 24 groups to conduct, for example, nature classes on the site 25 for children and other individuals who are interested in</p>	<p style="text-align: right;">68</p> <p>1 talk to the neighborhood about what's going on here? 2 DR. ELDADAH: Yes, certainly. So as you know, we've 3 conducted some community meetings where we've invited our 4 neighbors to attend, and we've informed them of our plans. 5 We presented the drawings many of which are exhibits here in 6 this hearing. 7 And we have also addressed concerns that some neighbors 8 have expressed, similarly to Mr. Putman's concerns regarding 9 water quality, as well as some concerns about traffic in the 10 area. We have largely very supportive feedback from our 11 neighbors and we think that we've addressed any concerns 12 that they have expressed. 13 We've also conducted a larger outreach effort to 14 various communities in the area. The Green Burial 15 Association of Maryland, for example, is one organization 16 that's very interested in promoting green burial in our 17 area. They're well aware and supportive of this effort, as 18 well as the Green Burial Council, the national organization 19 overseeing green burials in this country. 20 MR. KLINE: I do like you to elaborate on your follow- 21 up recently. We did the initial, what I will call the 22 conventional or typical calling on the Cloverly Civic 23 Association, calling on the Hampshire Greens Homeowners 24 Association. You had virtual meetings with all of them, but 25 then recently there has been a flurry of media interest in</p>

Transcript of Hearing  
Conducted on July 30, 2021

18 (69 to 72)

<p>69</p> <p>1 your application, and that triggered some phone calls. And</p> <p>2 I would like you to tell the Hearing Examiner about your</p> <p>3 follow-up in terms of trying to answer the questions that</p> <p>4 were -- came up just before the hearing.</p> <p>5 DR. ELDADAH: Yes. So there were -- that's right. We</p> <p>6 did have some media attention from a couple of different</p> <p>7 news outlets who were interested in this -- what they felt</p> <p>8 was a novel concept of green burial a practice that has been</p> <p>9 around for quite some time. And in fact, we're not the</p> <p>10 first green burial ground by any stretch. There have been</p> <p>11 green burial grounds developed all over the country,</p> <p>12 stretching back decades.</p> <p>13 Nevertheless, yes, there was some media attention and</p> <p>14 interest in our burial ground, and we also received some</p> <p>15 additional concern from one individual who wanted to be --</p> <p>16 he wanted us to address the concerns about water quality.</p> <p>17 This came to us in the form of an email, I believe, and we</p> <p>18 reach out directly to that individual and provided him much</p> <p>19 of the same information that we discussed today.</p> <p>20 MR. KLINE: Thank you. I guess I would kind of like to</p> <p>21 wrap up. Going back to Mr. Mokhtarzada's comment about your</p> <p>22 mission and what your end state, in your opinion, when you</p> <p>23 are all finished, will Reflection Park be compatible and</p> <p>24 harmonious with the surrounding area, and its character?</p> <p>25 DR. ELDADAH: Indeed, yes. We think that it will</p>	<p>71</p> <p>1 MR. KLINE: And the Applicant has filed a preliminary</p> <p>2 plan of subdivision to go through the subdivision review</p> <p>3 process, correct?</p> <p>4 DR. ELDADAH: That is correct.</p> <p>5 MR. KLINE: And that probably is a plan that the</p> <p>6 Department of Environmental would look at and could comment</p> <p>7 on. So do you anticipate in future reviews there will be</p> <p>8 more scrutiny on the water quality issues?</p> <p>9 DR. ELDADAH: You would know better than I, but that</p> <p>10 sounds likely, and we would be happy to address those</p> <p>11 concerns as well. We feel that -- the evidence we have</p> <p>12 today should be able to satisfactorily address those</p> <p>13 concerns.</p> <p>14 MR. KLINE: And the last question, boiling down to</p> <p>15 the -- what's going on -- what's going to be happening on</p> <p>16 the property, both in the ground and on the surface of the</p> <p>17 ground, in your opinion, do you believe that the proposed</p> <p>18 use will cause any harm to the neighborhood due to noise,</p> <p>19 odors, dust, or illumination, or lack of parking to take</p> <p>20 care of the people coming onto the property?</p> <p>21 DR. ELDADAH: No, we do not. We expect that this will</p> <p>22 not adversely impact on the neighborhood. We think actually</p> <p>23 that this project is, perhaps, much preferable to other</p> <p>24 options that this land could be used for. I think if you</p> <p>25 had to choose your neighbor I think a cemetery would</p>
<p>70</p> <p>1 perhaps be more so than it is now. But yes, it is our</p> <p>2 intention to develop a parklike environment that is</p> <p>3 consistent with the existing and surrounding area.</p> <p>4 MR. KLINE: Based on your testimony, at the beginning</p> <p>5 of your testimony today, do you believe the science is there</p> <p>6 to demonstrate that the degradation of the bodies through</p> <p>7 the green burial process will not put at risk, the water</p> <p>8 table or, I'm sorry, the water quality in the Patuxent</p> <p>9 Watershed or the Rocky Gorge Reservoir?</p> <p>10 DR. ELDADAH: We believe so. To be fair, as a</p> <p>11 scientist, there is never enough data. There is always</p> <p>12 going to be a need for additional studies. However, this</p> <p>13 area is not without data. The Green Burial Council actually</p> <p>14 has conducted a literature review of its own and has</p> <p>15 assessed the literature, not just from Brazil, which was the</p> <p>16 topic of the initial concern, but a more expansive review</p> <p>17 across other parts of the world.</p> <p>18 And their assessment is that, as we discussed today,</p> <p>19 provided that you adhere to certain and take certain</p> <p>20 precautions, and adhere to certain setbacks and buffers that</p> <p>21 the impact on the environment the water quality should be</p> <p>22 negligible.</p> <p>23 MR. KLINE: The property is not subdivided today,</p> <p>24 correct?</p> <p>25 DR. ELDADAH: That is correct.</p>	<p>72</p> <p>1 probably be a very desirable one.</p> <p>2 MR. KLINE: I have no further questions of Dr. Eldadah.</p> <p>3 He is available for any cross-examination Mr. Putman might</p> <p>4 have on the -- since the last time we had cross-examination.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, do you</p> <p>6 have any questions?</p> <p>7 Mr. Putman, you're on mute.</p> <p>8 MR. PUTMAN: I know. I've hit it three times. Am I</p> <p>9 live now?</p> <p>10 HEARING EXAMINER ROBESON HANNAN: Yes, you are. You're</p> <p>11 alive. You're not ready for the green burial yet.</p> <p>12 MR. PUTMAN: No. As I said before, these young men are</p> <p>13 very impressive. Their project sounds wonderful to me with</p> <p>14 one exception and that's its location. I have no further</p> <p>15 questions of these gentlemen. And I thank them for being so</p> <p>16 forthcoming as they have been this morning. If they could</p> <p>17 just move it out of the watershed I would be there. I would</p> <p>18 buy a spot. I would help them any way I could.</p> <p>19 HEARING EXAMINER ROBESON HANNAN: Okay. Well, I think</p> <p>20 from what Mr. Kline said, we're going to have more testimony</p> <p>21 on the impact on the water quality. So you may want to</p> <p>22 stick around, Mr. Putman.</p> <p>23 MR. PUTMAN: I will. Thank you.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Kline?</p> <p>25 MR. KLINE: Sure. Apropos of that, I'm going to give</p>

Transcript of Hearing  
Conducted on July 30, 2021

19 (73 to 76)

73	<p>1 you the opportunity to qualify the first expert I've ever</p> <p>2 had in cemetery design. So I'd like Mr. Goodnoe to please</p> <p>3 introduce himself. Give the hearing examiner your name and</p> <p>4 then let her swear you in.</p> <p>5 MR. GOODNOE: Thank you.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: Okay. You know, this</p> <p>7 is a new one.</p> <p>8 MR. KLINE: Yeah. Right.</p> <p>9 Mr. Goodnoe --</p> <p>10 HEARING EXAMINER ROBESON HANNAN: I've had golf course</p> <p>11 design, I've had lots of designs, but not this one.</p> <p>12 Okay. Mr. Goodnoe, please raise your right hand.</p> <p>13 Do you solemnly affirm under penalties of perjury that</p> <p>14 the statements you're about to make are the truth, the whole</p> <p>15 truth and nothing but the truth?</p> <p>16 MR. GOODNOE: I do.</p> <p>17 HEARING EXAMINER ROBESON HANNAN: Please state your</p> <p>18 name, business address, and e-mail for the record.</p> <p>19 MR. GOODNOE: My name is Jack Goodnoe. J-A-C-K, last</p> <p>20 name, G-O-O-D-N-O-E. I live at -- and my business is at</p> <p>21 2450 North Dicksboro Road, Ann Arbor, Michigan. My email is</p> <p>22 Jack@JackGoodnoe.com.</p> <p>23 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>24 MR. KLINE: And would --</p> <p>25 HEARING EXAMINER ROBESON HANNAN: (inaudible).</p>
74	<p>1 MR. KLINE: And with what firm are you associated, Mr.</p> <p>2 Goodnoe?</p> <p>3 MR. GOODNOE: My own firm. I have a consulting firm,</p> <p>4 Jack Goodnoe Cemetery Planning and Design and I'm a</p> <p>5 registered landscape architect, and began cemetery planning</p> <p>6 in the 1980s, and started my own business in the '90s and I</p> <p>7 have been exclusively planning cemeteries for the last 35</p> <p>8 years.</p> <p>9 MR. KLINE: And you --</p> <p>10 MR. GOODNOE: And most recently have become a source</p> <p>11 for consultation for green burials cemeteries around the</p> <p>12 country.</p> <p>13 MR. KLINE: Could you give us an estimate of how many</p> <p>14 cemeteries you've designed over your professional career?</p> <p>15 MR. GOODNOE: It's -- the last time I looked it was</p> <p>16 over 120, around the U.S. including Alaska, Central America,</p> <p>17 the Caribbean, and Canada.</p> <p>18 HEARING EXAMINER ROBESON HANNAN: In your portfolio</p> <p>19 right now, could you maybe give the Hearing Examiner a cross</p> <p>20 section of cemeteries you're working on currently?</p> <p>21 MR. GOODNOE: Sure. Currently I'm working on a green</p> <p>22 burial cemetery in Ashland, Oregon. I'm working on two</p> <p>23 conventional historic cemeteries, one outside of -- in</p> <p>24 Everett, outside of Boston and another on in Jamacia Plains</p> <p>25 in Boston. I'm working on two personal cemeteries, private</p>
75	<p>1 family cemeteries which I can't give you the names, it's</p> <p>2 confidential. But they are in Texas and in Michigan. I'm</p> <p>3 working on another cemetery in Ohio, so I have several irons</p> <p>4 in the fire.</p> <p>5 MR. KLINE: All right. Mr. Goodnoe, have you ever been</p> <p>6 qualified as an expert in either land planning or in</p> <p>7 landscape architecture, or cemetery design by a hearing</p> <p>8 examiner such as Ms. Robeson Hannan, or a commission, or a</p> <p>9 court of law in the past?</p> <p>10 MR. GOODNOE: Specifically, I was expert witness for a</p> <p>11 case in New Jersey where the State of New Jersey was</p> <p>12 expanding an interstate intersection and was taking cemetery</p> <p>13 land from a Catholic cemetery. I was expert witness to the</p> <p>14 impacts of development.</p> <p>15 I have spoken at the International Cemetery and Funeral</p> <p>16 Association national conferences several times. I have</p> <p>17 spoken at probably a half a dozen or more state conferences,</p> <p>18 and I was a featured speaker at the first Green Burial</p> <p>19 Conference this year in 2020. The International Cemetery</p> <p>20 and Funeral Association education program held at Memphis</p> <p>21 University; I was an instructor there for 10 or more years.</p> <p>22 And the National Catholic Cemetery Conference has an</p> <p>23 education program held at Notre Dame, and I've been an</p> <p>24 instructor there for eight years, I believe.</p> <p>25 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Kline, are</p>
76	<p>1 you seeking to qualify Mr. Goodnoe as an expert in cemetery</p> <p>2 design?</p> <p>3 MR. KLINE: I think that's the only -- well, I think</p> <p>4 that's the best category for his level of expertise, yes,</p> <p>5 ma'am.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: Okay. Well, it --</p> <p>7 are there any objections, Mr. Putman to qualifying him as</p> <p>8 such?</p> <p>9 MR. PUTMAN: None.</p> <p>10 HEARING EXAMINER ROBESON HANNAN: Okay. Well, given</p> <p>11 that I will go ahead and qualify him as an expert in</p> <p>12 cemetery design. My first such expert.</p> <p>13 Go ahead, Mr. Kline.</p> <p>14 MR. GOODNOE: There aren't many of us.</p> <p>15 MR. KLINE: Thank you.</p> <p>16 So I always like to have somebody in your situation,</p> <p>17 when you got the phone call from Mr. Mokhtarzada and Mr.</p> <p>18 Eldadah and said can you help us and they told you about the</p> <p>19 property, what was your reaction?</p> <p>20 MR. GOODNOE: I was pleased to be of help. I felt</p> <p>21 immediately that they were very committed to doing the right</p> <p>22 thing, and that's a pleasure.</p> <p>23 MR. KLINE: In the field of cemetery design is there a</p> <p>24 trend towards green burials?</p> <p>25 MR. GOODNOE: Very much so. The first one in the U.S.</p>

Transcript of Hearing  
Conducted on July 30, 2021

20 (77 to 80)

<p>77</p> <p>1 was in the late '90s and I becoming involved, probably 2 halfway through that, in the last decade -- in the last 10. 3 And I've planned, at this point, seven or eight. It has 4 become a larger part of my business quite frankly, and it's 5 a growing trend. 6 And there are not only standalone green cemeteries such 7 as this, but many, as was pointed out earlier I think by Mr. 8 Putman, many conventional cemeteries are recognizing the 9 value of an environmentally responsible burial, and how to 10 open up areas within a conventional cemetery where they do 11 practice environmentally responsible procedures that are 12 being followed in total here. 13 MR. KLINE: Madam Hearing Examiner, Mr. Goodnoe does 14 have a presentation and he has some PowerPoint slides that 15 your staff put into the record, and I believe they are 16 Exhibit 47. And Mr. Goodnoe's presentation would be 17 facilitated by him -- or you calling those -- some of those 18 slides up for us. 19 HEARING EXAMINER ROBESON HANNAN: Okay. 20 MR. KLINE: I hope I've got the right number. 21 HEARING EXAMINER ROBESON HANNAN: Are you seeing it 22 now? 23 MR. KLINE: Yes. Great. 24 MR. GOODNOE: Yes, very good. 25 MR. KLINE: Mr. Goodnoe, what I'd like you to do is</p>	<p>79</p> <p>1 you have the artificial materials of the casket itself 2 including everything to make the casket and the polyethylene 3 materials that make up the liner and so on and so forth. 4 By contrast, the burial on the right uses either a -- 5 say a bamboo box, a cardboard box, quite often a simple 6 cloth shroud or a wooden casket in the traditional just raw 7 wood with no glues. So the -- and it's put at 5-1/2 to 4 -- 8 excused me; 3-1/2 to 4 feet below the surface for the reason 9 that the decomposition of the body happens much more quickly 10 with the exposure to air in the soil than it does at the 5 11 foot depth where the soil begins to become more anaerobic. 12 On the surface -- and by -- without -- I need to say -- 13 so necessarily -- but the one on the left is there 14 effectively permanently. The one on the right will become 15 soil itself within a very short period of time. On the 16 surface the distinction is the conventional has the turf 17 which is treated with herbicides, pesticides, and 18 fertilizers, all of which become leachate, far more leachate 19 than would ever come off of a casket in the green burial in 20 terms of volume. 21 And you have an upright headstone in most cases. On 22 the right, it's a natural landscape, often a meadow or a 23 forest floor or a panting of wildflowers that require no 24 invasive maintenance. Sometimes hand pulling or even an 25 occasional mowing is required just to keep invasive</p>
<p>78</p> <p>1 kind of don't worry about me asking you questions, but just 2 let you walk through the presentation based on the props or 3 the cues you got up here. What I wanted to make sure you 4 know is you may need the hearing examiner, using her cursor 5 to move things around. So you may have to help her to get 6 your points. 7 But what we were talking about before is what is the 8 difference between green burials and conventional burials 9 and so could you explain what this exhibit is that we see on 10 here, titled, A Greener Way To Go, and basically tell what 11 it tells us and how it differentiates the different methods 12 of burial? 13 MR. GOODNOE: Sure. Sure. Can I ask that you click on 14 the slide so it's full screen? Just to -- 15 HEARING EXAMINER ROBESON HANNAN: I'm trying to shut 16 this and I -- 17 (Off the record discussion; exhibit loading.) 18 MR. GOODNOE: That's good. Much better thank you. It 19 might be a little easier to see. 20 This is a description of the conventional versus the 21 green burial as Mr. Eldadah pointed out. The significant 22 difference is that on the left you have a conventional vault 23 which is shown and sort of outlined, it's a little hard to 24 read, but imagine that that vault is in a concrete liner so 25 that the largest objection you see is a concrete liner. So</p>	<p>80</p> <p>1 materials out. But by and large, it's a very natural meadow 2 and wildflower setting. 3 And the memorialization takes many forms to a small 4 metal disk in the ground which can be not seen and mowed 5 over if necessary, or a flat stone marker or sometimes 6 biodegradable slab of wood. Or sometimes, no marker at all 7 and what's called a sentitaff (phonetic), meaning the 8 memorial is remote and listed on say a rock on a separate 9 location. 10 So those -- that's the practicality and the visual 11 differences of the two types of burial. Unless there are 12 any questions, I will go to the next one. 13 This is hard to read in your version but it's nothing 14 more than a good explanation of the configuration of the 15 site. And you can tell from the photo, it's a little hard, 16 but it is effectively 100 percent wooded or covered with 17 second growth. And as Mr. Eldadah pointed out it's soft 18 woods, Tulip Poplar, which are a transitional species to 19 something more permanent. So in effect, it's a very early 20 woodlands in the transition to a full hardwood woodland. 21 And the cemetery will, in fact, be making that -- 22 speeding up that transition so this rather weak and non- 23 diverse forest woodland will become a very healthy hardwood 24 diverse and sustainable hardwood forest. Next. 25 The -- all development needs to begin with an</p>

Transcript of Hearing  
Conducted on July 30, 2021

21 (81 to 84)

<p style="text-align: right;">81</p> <p>1 understanding of how unique each site is and it's especially 2 important with green burial because the premise of green 3 burial, of course, is environmental responsibility and 4 environmental sustainability. 5 So there was a tremendous effort on the part of the 6 petitioner in this case, and the team, to understand exactly 7 the environmental conditions that we were working with so 8 that all solutions were tied to the land. We can only be as 9 responsible in as much as we understand the land. So it 10 begins with this topographic map showing that there is a lot 11 of diversity here with a very distinct hilltop near the 12 middle of the site which is a very articulated stream on the 13 northwest -- northeast corner of the site; and then 14 secondary drainage channels. 15 And it was our purpose in this analysis process to get 16 a very clear picture of where they were. Some regulated, 17 and some unregulated. It's a little hard to see here, but 18 the darker blue represents a regulated, protected floodway, 19 and the lighter blue around that is the buffer zone 20 required. So from the very beginning all development was 21 considered to be outside of all these protection zones, and 22 it represents a very substantial portion of the site, given 23 up to pure, natural conditions forever; and the maintenance 24 of the natural drainage ways. 25 The secondary drainage ways that you see scattered</p>	<p style="text-align: right;">83</p> <p>1 to make sure I understood that. Thanks. 2 MR. GOODNOE: I'm glad that you mentioned that, thanks. 3 And you can see the hilltop, this sort of high blue 4 area in the corner of the flag, if you will, there is a 5 promontory which acts as a major drainage divide as well as 6 a point of suitable soils and location for structures and 7 septic. And we understood this from this, combined with 8 what you don't necessarily see here are all the -- they are 9 dots on the side, the blue and white circles are soil tests. 10 So there is a very complete understanding of what is it 11 below the surface as well as on the surface. 12 So this -- 13 HEARING EXAMINER ROBESON HANNAN: And the purpose of 14 the soil tests, are you saying the purpose of the soil test 15 is to understand the height of the water table? 16 MR. GOODNOE: That and the permeability of the soil and 17 the stability of the soil. And it's -- 18 HEARING EXAMINER ROBESON HANNAN: Okay. Go ahead. 19 MR. GOODNOE: And it's suitability for hardwood forest. 20 All of the things necessary to drive development as it 21 affects what's below the surface. 22 HEARING EXAMINER ROBESON HANNAN: Now, what marks the 23 site of the water test? Is it these -- is this the site of 24 a water test I'm point to? Like a flag, square or a -- 25 MR. GOODNOE: That's a soil boring location and I will</p>
<p style="text-align: right;">82</p> <p>1 throughout the site are not regulated. However, we chose to 2 make sure that they were not buried because they do perform 3 an important function on the site. And maybe we could go to 4 the next slide? 5 This is an analysis of that land telling us the kind of 6 things we need to keep in mind during the planning process. 7 You can see the regulated and unregulated setbacks in the 8 protection zones that were maintained and will never be 9 buried in. They provide permanent open spaces as well as 10 wonderful areas for our trail systems and overlooks, as part 11 of this cemetery functioning more as a park than a cemetery 12 in the long run, and during its entire life. 13 The dotted lines represent drainage divide so we have a 14 clear understanding for our water management strategies how 15 the site drains, where it drains, and how much we need to 16 capture to meet water management requirements. 17 HEARING EXAMINER ROBESON HANNAN: Mr. Goodnoe, can I 18 ask a question? Where are the water -- these arrows, are 19 the blue arrows the water drainage lines? 20 MR. GOODNOE: Correct. That's the direction of flow 21 from the drainage divide. 22 HEARING EXAMINER ROBESON HANNAN: Okay. And then these 23 are topo lines, the ones that -- 24 MR. GOODNOE: Yes. 25 HEARING EXAMINER ROBESON HANNAN: Okay. I just wanted</p>	<p style="text-align: right;">84</p> <p>1 let Mr. Crum speak, if necessary to the details. 2 HEARING EXAMINER ROBESON HANNAN: Oh. Okay. I just 3 heard you say the water tests were marked in blue circles, 4 but I don't see them. 5 MR. GOODNOE: No. The -- I guess it's a square with a 6 black and white check. That's a soil boring location, a 7 preliminary soil boring. 8 HEARING EXAMINER ROBESON HANNAN: Okay. 9 MR. GOODNOE: (inaudible) much more detailed water 10 table investigations were done with test pits but I'll let 11 the engineer speak to that. 12 HEARING EXAMINER ROBESON HANNAN: Okay. Thank you. 13 MR. GOODNOE: Sure. And just out of interest the red 14 and white dots indicate places at this point in the planning 15 process that there might be -- they're special. They're on 16 the edge of promontories that would have good views. Or 17 they're special niches within the extreme corridor that 18 could become places for meditation, or trail rest points 19 along trails, just special areas on the site that we want to 20 use for structuring the circulation and land use systems. 21 Okay. The next one, please. Using this information we 22 create a framework plan that is the foundation for where we 23 put roads. I'm going to ask you to go to the next one 24 because the next one doesn't show all of the woodlands. 25 This indicates -- just portrays how much of the site will be</p>

Transcript of Hearing  
Conducted on July 30, 2021

22 (85 to 88)

<p style="text-align: right;">85</p> <p>1 wooded. Oh, I'm sorry. I guess there's one -- let's go 2 back. I apologize. There's one that wasn't included here 3 that doesn't show the woodlands. 4 But imagine this represents how the site will be 100 5 percent wooded when it's complete. And the small yellow 6 lines indicate what would be considered section development. 7 So as Mr. Eldadah was pointing out earlier, the early 8 development is probably limited to four or five acres for 9 the next half of a decade. Because we're developing the 10 site at approximately one to two acre units as we go. 11 But this -- you've seen the plan; this represents -- 12 this shows how the road system coordinates with the analysis 13 you saw earlier of topography. So the curving road is not 14 just aesthetically pleasing, but it's a way of reducing the 15 amount of grading that's required, which is not only an 16 environmental issue, but a cost issue. So the road very 17 much responds to the organic topographically of this site 18 and then the loops of the burial in the larger part of the 19 flag are a way of phasing the cemetery over time. 20 And I think -- I would like to point out that one thing 21 that's often hard to understand at this level of approval is 22 that what we're seeing here is probably -- I'm guessing 23 from my experience a 200 year plan. That means that you 24 will see very, very little of this developed in our 25 lifetime. If they take down an acre -- let me back up.</p>	<p style="text-align: right;">87</p> <p>1 phase 1. And the reason that the -- the right hand side of 2 the diagram is green is that that is all the existing 3 woodland that remains in place for the early stages of 4 development. At the lower left, what you see, and I think 5 there is even a blowup of this on the next slide. Let's try 6 one more. No, I guess it's not in this presentation. 7 So if you see the checkered portion at the lower left, 8 what that's describing is that during the burial process the 9 existing softwoods will be removed from the site in an 10 effort to create a meadow, and the burials will actually 11 take place in a meadow, on a section by section basis, which 12 these small rectangles represent. As the burials take 13 place, there will be a reforestation process, so every 14 burial is followed by a tree planting, of some ratio that's 15 per the agreement. 16 But the section will be reforested as you go and 17 creating a -- basically a new forest on a section by section 18 basis. And the phasing plan will then move across the site, 19 which was the previous slide, and maybe it's worth going 20 back one. And this, is an overview of how that might take 21 place in five stages, which very easily could be 100 to 150 22 years. So you can see phase 1 in the upper left, uses the 23 small part of the flag for all of the development offering 24 burial to the community. 25 In phase 2, the community center is developed, and in</p>
<p style="text-align: right;">86</p> <p>1 It just will be a very prolonged period of development. 2 The significant elements that we will see soon are down at 3 the lower left is the entry gate and the entry buildings 4 accommodating people arriving and inquiring about the 5 cemetery. And then, in the upper middle of the site is the 6 community center which will be done within a two to four 7 year period. Those two developments will happen soon. 8 But the rest of the development and the burial will be 9 over a very prolonged period. And so we have what is a 10 little hard to see here is the trail system. Incorporated 11 in this is a walking trail system that would traverse the 12 entire site and access some of the more beautiful natural 13 areas that will not be developed as a cemetery. 14 MR. KLINE: Mr. Goodnoe, could I interject for a 15 second? You made a comment about this is sort of an end 16 state picture, after reforestation. I don't have the 17 gentleman who is ready to testify, to the forest 18 conservation plan for a while, so I think I need you to 19 educate the hearing examiner on the program of the applicant 20 of clearing, burying, and then reforesting. Could you 21 elaborate on that, please? 22 MR. GOODNOE: Certainly. Maybe we can go -- I think 23 the slide that helps describe that is subsequent to this. 24 (Off the record discussion; exhibit loading.) 25 MR. GOODNOE: This is a diagram of the early -- of</p>	<p style="text-align: right;">88</p> <p>1 association with that there would be some additional 2 sections opened up that are adjacent to the existing road. 3 And one remote because there are actually -- part of the 4 green burial scenario is that there are many people who 5 would just as soon walk 400 or 500 feet to leave the road 6 behind. So we offer that option early in the process of 7 what might be considered a very remote sites for people to 8 have a green burial. 9 But then, you can see that how over time phase 3, 4, 5, 10 and 6 incrementally begins to develop and reforest on a 11 section by section basis. And if there are details of that 12 required I would defer to the landscape architect on the 13 team to describe how we're meeting the County's requirements 14 in that regard. But that may be a detail that you do or 15 don't want to deal with at the moment. But be it known that 16 this process follows the guidelines that have been 17 established for reforestation. 18 HEARING EXAMINER ROBESON HANNAN: Okay. 19 MR. GOODNOE: And then, lastly in this presentation 20 we've included some images of existing green burials just to 21 give you a sense of what they look like when they're done. 22 The Talk to Preserve is one that is primarily a meadow, but 23 they do offer tree burials so they will have more of a look 24 of a scattered prairie with trees when they are done. 25 Duck Run which is in Virginia is a meadow, again;</p>

Transcript of Hearing  
Conducted on July 30, 2021

23 (89 to 92)

<p style="text-align: right;">89</p> <p>1 natural grasses left, which they mow biannually just to keep 2 invasive materials out. They also have introduced a tree 3 planting program, but it will be primarily meadow as 4 aesthetic. And the next one if we could? 5 These are two cemeteries, one in New York, and the one 6 on the right is the original green burial cemetery in 7 America in Westminster, South Carolina, which is 8 predominantly woodland. So again, you have the meadow 9 option and you can see on the left that Green Springs in New 10 York, how the access system here is nothing more than a 11 mowed path. They have not even paved the road. We believe 12 that a paved road not only meets some of the County 13 requirements, but is good planning in areas that will 14 have -- requires snow removal and are temperate enough to 15 have water issues if you don't offer some sort of stabilized 16 surface. 17 And we have a couple of more; the next one. This is a 18 cemetery that I worked on, Penn Forest in Pennsylvania and 19 this is a burial area. In this case it is a meadow within a 20 woodlands and you can see that their memorialization system 21 is a flat stone engraved marker which they can mow over when 22 they need to. 23 Steelman Town in New Jersey is a primarily a forested 24 wetland -- excuse me, burial ground. And they are 25 selectively clearing and reforesting as they go also. And I</p>	<p style="text-align: right;">91</p> <p>1 Mr. Eldadah's comment, I think it will be an enhanced and 2 environmentally far more stable and diverse ecologic entity. 3 MR. KLINE: You had the opportunity to hear Mr. 4 Putman's concerns. In your professional experience have you 5 encountered these issues in other cases and if so, can you 6 share your observations with us? 7 MR. GOODNOE: It's a very common and understandable 8 concern. It has come up in public meetings many times, but 9 we've always been able to demonstrate that it, is in fact, 10 not a concern. And I -- many of the comments that I would 11 make have already been made about the separation and the 12 capacity of soil to clarify. 13 And most importantly, I think -- 14 HEARING EXAMINER ROBESON HANNAN: The separation of the 15 graves from the water table? Is that the separation you're 16 talking about? 17 MR. GOODNOE: Yes. Yeah. I will say from experience 18 in 50 years of designing cemeteries and dealing with them in 19 all regards across the country I have never, ever come 20 across a case of contamination of ground water. 21 MR. KLINE: Elaborate on that. Do you mean from a 22 cemetery having an effect on ground water quality? 23 MR. GOODNOE: Yes. There's never been any instance, to 24 my knowledge, where any of the cemeteries that I've worked 25 with, and as I say over 120 of them where there was ever</p>
<p style="text-align: right;">90</p> <p>1 think we have one more. 2 This is a cemetery that I designed in Michigan and it 3 is a meadow with a mowed path for access. And you can see 4 in this case the memorialization system is a stone wall with 5 memorials carved into the stone. And in some cases, a 6 boulder is allowed along the pathway. But this gives you a 7 sense of just how soft and naturalistic the natural cemetery 8 will look. And I will point out that even though these are 9 the meadows cemeteries the Reflection will be, at first, a 10 meadow cemetery transitioning to a Woodland Cemetery. 11 And I think that's it then. I can certainly answer any 12 questions. 13 MR. KLINE: Well, Mr. Goodnoe, let me ask you a couple 14 of more myself. So the images you showed us are very 15 helpful. They are representative of what you think the end 16 state look will be on this property? 17 MR. GOODNOE: I think more than any of these it will be 18 a true forest when it's done. It will transition through 19 the stages you saw from a meadow to a newly planted meadow 20 to a mature woodland, and in the end, be a forest. 21 MR. KLINE: And, in your opinion then, would the 22 ultimate cemetery in the design and be compatible and be in 23 the character of the rural, rustic flavor of the 24 neighborhood? 25 MR. GOODNOE: Not only in character, but to reinforce</p>	<p style="text-align: right;">92</p> <p>1 community demonstration that a cemetery was responsible for 2 ground water and well contamination. 3 MR. KLINE: You indicated to me that you had done some 4 literature survey research to see what happens around the 5 world on the subject. Can you share with us your 6 conclusions based on what you read? 7 MR. GOODNOE: Sure. I documented for the record four 8 sources and if you would like to I'll quote them. These 9 were studies done in the 1980s and '90s and nothing's been 10 done since then and I think it's because these efforts 11 pretty much demonstrated that it was not an issue. But let 12 me quote them. 13 There was a study in 1992 by the Ontario Ministry of 14 the Environment. It was called Cemeteries and Ground Water 15 - an Examination of Potential Contamination. And the quote 16 that I have -- the summary quote that I have from that 17 report was; 18 "The analysis of ground water samples collected 19 at wells located down gradient of six cemeteries 20 in Ontario indicated that cemeteries are not a 21 significant source of groundwater contamination." 22 HEARING EXAMINER ROBESON HANNAN: Was that a green 23 cemetery? 24 MR. GOODNOE: No, no. that's a conventional cemetery. 25 But I should say, just in terms of the science even though</p>

Transcript of Hearing  
Conducted on July 30, 2021

24 (93 to 96)

<p style="text-align: right;">93</p> <p>1 vaults are -- typically use, and I don't know whether all 2 these cemeteries had vaults or didn't, my guess is that some 3 of them were old enough to not have vaults, concrete vaults. 4 But I will say the concrete vaults, because gasses build up 5 in the vault have a relief valve and even though the 6 manufacturers like to claim that it's water tight and 7 permanent evidence is that there is seeping, there's 8 groundwater infiltration and seeping in a conventional 9 cemetery. 10 So I believe these studies probably represent 11 conventional cemeteries which do, in fact, would have the 12 same effluent potential as a green cemetery. In fact, the 13 green cemetery as Mr. Eldadah pointed out, the green burial 14 system facilitates rapid decomposition and dissipation and 15 soil clarification of these things more than a traditional 16 cemetery would. That said, there was a study in 1992 by the 17 World Health Organization, and one of the summary quote that 18 I have extracted from that is; 19 "Recent work was conducted on groundwater samples 20 beneath the Cheltenham Cemetery located in 21 Australia. The results from these investigations 22 showed no significant presence of pathogens." 23 HEARING EXAMINER ROBESON HANNAN: Can you give me in 24 the identity -- the identity -- the name of that study 25 you're quoting from?</p>	<p style="text-align: right;">95</p> <p>1 the groundwater or the soils of the cemetery. 2 And then, I have one a final reference that I think is 3 significant. And that is in 1980, when the U.S. EPA 4 performed its Superfund program they began to look at 5 cemeteries as potential Superfund sites. And the conclusion 6 of that is that the EPA Superfund program of 1980 found no 7 instances of groundwater contamination at cemeteries 8 requiring Superfund intervention except cemetery dump sites, 9 not the burial, but the dump sites that often accompany 10 conventional cemeteries. The waste products of conventional 11 cemeteries are not going to be present here, they will be 12 properly handled and disposed of at Reflection, and there 13 will be no conventional dumpsite as such Reflection 14 Cemetery. 15 HEARING EXAMINER ROBESON HANNAN: Were any of the green 16 cemeteries that you've worked on near a source for drinking 17 water, to your knowledge? 18 MR. GOODNOE: Yes. They are. The one in Pittsburgh 19 there were homes at the edge of the site, within 200 feet of 20 the burial location, and they are being buried today and the 21 homes are -- I can't honestly say that they've ever had 22 their water tested, but they are in proximity to homes. 23 There's a cemetery -- a green cemetery, in Tampa, 24 Florida that I worked on, which is actually a wetland during 25 the wet season, and the green burial community is perfectly</p>
<p style="text-align: right;">94</p> <p>1 MR. GOODNOE: It comes from a 1992 study by the World 2 Health Organization. And I would have to supply you with 3 the exact title of the study. It must have a separate 4 title. But it comes from the World Health Organization. 5 And a third study that I have -- I'm aware of is 6 called, Soil and Groundwater Quality Study of the Mount 7 Pleasant Cemetery of Brampton, Ontario. 8 HEARING EXAMINER ROBESON HANNAN: Now these are all 9 conventional cemeteries? 10 MR. GOODNOE: They are because they are in 1992. They 11 would have preceded green cemeteries. 12 HEARING EXAMINER ROBESON HANNAN: They would have what? 13 MR. GOODNOE: Preceded the presence of green 14 cemeteries. 15 HEARING EXAMINER ROBESON HANNAN: Okay. 16 MR. GOODNOE: Because as I say, I'm sure that some of 17 them were vaultless, many are vaultless, which would 18 effectively be the same as a green cemetery, except that it 19 probably had coffins that were made of artificial materials 20 so their capacity to contaminate would be greater than a 21 green cemetery. And even so, this study conducted by Beak 22 Consultants, Ltd. The summary statement here is; 23 "Based on the analysis results there does not 24 appear to be an occurrence of the elevated levels 25 of concern for the parameters tested in either</p>	<p style="text-align: right;">96</p> <p>1 comfortable with being buried in the water, believe it or 2 not. They consider it a natural environment. So the 3 cemeteries I have worked on have had water on or near the 4 site. 5 HEARING EXAMINER ROBESON HANNAN: Okay. Thank you. 6 MR. GOODNOE: I should also mention, if I can that it's 7 little known, but most cemeteries bury in one portion of 8 their site or another, they contact ground water during the 9 process. It's very, very common to hit ground water in a 10 conventional cemetery. The public's just not aware of that. 11 HEARING EXAMINER ROBESON HANNAN: Okay. Thank you. Go 12 ahead, Mr. Kline. 13 MR. KLINE: I really don't think I have any more 14 questions -- well no, I take that back. I probably should 15 say -- no, I take that back. I believe Mr. Goodnoe covered 16 all the points I wanted to and so he's available for any 17 questions from Mr. Putman. 18 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, do you 19 have any questions? 20 MR. PUTMAN: I do. That was an excellent presentation. 21 HEARING EXAMINER ROBESON HANNAN: I figured you would. 22 Go ahead. 23 MR. PUTMAN: Even though I don't think you were sworn, 24 you look like a very honest man to me and I -- 25 MR. GOODNOE: No, I --</p>

Transcript of Hearing  
Conducted on July 30, 2021

25 (97 to 100)

<p style="text-align: right;">97</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Oh, no, don't tell me 2 I forgot it. 3 MR. GOODNOE: I did. I remember. My memory's good 4 enough that I do remember being sworn. 5 HEARING EXAMINER ROBESON HANNAN: Okay. 6 MR. PUTMAN: With respect to Ms. Hannan's question you 7 said that there were residences nearby a cemetery that you 8 designed and you had no reports of water problems. Were 9 those residents served by a well or were they served by 10 public water that had been treated; do you know? 11 MR. GOODNOE: I -- 12 MR. PUTMAN: And the second question goes to -- 13 MR. GOODNOE: No, that's a good question. I believe 14 that Pittsburg cemetery, actually the owner of the cemetery 15 resided in one of the houses, the nearest house. And 16 they're in a remote enough location that I am pretty 17 confident that they must be using a well. It was a rural 18 setting. 19 MR. PUTMAN: Are any of those you designed located in a 20 watershed that is -- that flows to a reservoir used for 21 drinking water? And the second question, do any of those, 22 if there were any, do any of those reside in a watershed 23 area that the substrata is fractured shale? I'm not even 24 worried about this necro-leachate getting to the water 25 table. If it just gets below the earth's surface on the</p>	<p style="text-align: right;">99</p> <p>1 children? 2 MR. GOODNOE: I will defer to Mr. Eldadah's response on 3 that. The science of that is -- was well discussed by Mr. 4 Eldadah. That's not my expertise, but I will say that as an 5 environmentalist I know the power of the soil to clarify and 6 the engineers should speak to that. All I can tell you is 7 that in my 40 years I have never, honestly, ever heard of an 8 issue of contamination associated with any of my cemeteries. 9 MR. PUTMAN: Thank you. 10 MR. GOODNOE: Or in the industry have ever heard of any 11 such thing. I am of true belief that the risk is -- that 12 natural systems will clarify any concern that you have and 13 that the impact is so minimal as to be negligible. 14 HEARING EXAMINER ROBESON HANNAN: Okay. Let me stop. 15 I see a hand raised from Mr. Eldadah. Did you have a 16 question or do you want to add testimony? 17 DR. ELDADAH: I just wanted to address that last issue 18 that Mr. Goodnoe prompted, I need to address. 19 HEARING EXAMINER ROBESON HANNAN: Okay. Let's -- this 20 is cross-examination of Mr. Goodnoe. I'll let you address 21 it, but then Mr. Putman would get additional cross of you. 22 Okay? 23 So Mr. Kline, do you want him to address it now or? 24 MR. KLINE: I do think it would probably make sense as 25 long as Mr. Putman's okay with that.</p>
<p style="text-align: right;">98</p> <p>1 ground and into the fractured shale gravity will take it 2 down to the water. That's my concern. This is a well- 3 designed funeral place or burial place, except for its 4 location in the watershed above a drinking water reservoir. 5 MR. GOODNOE: If I understand your question, there's a 6 cemetery here in Michigan where the cemetery borders on a 7 wetland which is the perimeter of a lake, which is 8 surrounded by homes. That's been in place for at least 10 9 years and to my knowledge with absolutely no adverse 10 effects. And it's an area that has a high water table 11 because this is a cemetery that does, in fact, have water in 12 the graves. 13 One of the design elements was to reveal this ground 14 water and make a stream on the site, so there's a stream 15 passing through the green cemetery. 16 MR. PUTMAN: Last question, if I may. You've given us 17 reference to a number of studies that are three to four 18 decades old and predate the invention of synthetic 19 chemotherapeutic agents that do not biodegrade in the soil. 20 This is an area of great concern to me and I just wonder 21 whether you have any more recent documented examples or 22 documents that do not reflect any -- I don't know how to say 23 this. That don't reflect the fact that these synthetic 24 chemotherapeutic agents do not biodegrade and small traces 25 of them seem to have an effect genetically, especially on</p>	<p style="text-align: right;">100</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Okay. Let me check 2 this first. 3 Mr. Putman, do you have any other questions of Mr. 4 Goodnoe? 5 MR. PUTMAN: I don't think so, thank you. 6 HEARING EXAMINER ROBESON HANNAN: Okay. Then we're 7 going to release him for the moment. He may have to come 8 back, I don't know. And you can -- Mr. Eldadah, you can 9 come in and say what you -- supplement Mr. Goodnoe's 10 testimony. 11 DR. ELDADAH: Thank you. I just wanted to provide a 12 little commentary on this distinction that we are making 13 between organic and inorganic agents. So the distinction is 14 that an inorganic compound would contain molecules that are 15 not carbon based. 16 The chemotherapeutic agents that Mr. Putman is 17 referring to, I believe, or some of the newer compounds that 18 may contain traditional chemotherapeutic agents, but they 19 are contained within a shell, or a cage, that uses certain 20 metals as a way of delivering those compounds to the cells 21 where they act. These metals are things like gold, or zinc, 22 or manganese. 23 HEARING EXAMINER ROBESON HANNAN: I miss of the first 24 one. Did you say gold? 25 DR. ELDADAH: Gold, yes. Gold.</p>

Transcript of Hearing  
Conducted on July 30, 2021

26 (101 to 104)

<p>101</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>2 DR. ELDADAH: So these are metals that, you know, of</p> <p>3 course where they take it from the -- they naturally occur</p> <p>4 in the ground, and so these metals are returned to the</p> <p>5 ground. And so I think it would be safe to say that many of</p> <p>6 these -- and this distinction between organic and inorganic</p> <p>7 compounds and their effect on the soil, while it's not</p> <p>8 possible for a metal to biodegrade in the same way as an</p> <p>9 organic compound, nevertheless this compounds contain metals</p> <p>10 that are returning to the soil from whence they came.</p> <p>11 HEARING EXAMINER ROBESON HANNAN: To your knowledge are</p> <p>12 the necro-leachates are they the in organic ones? Those are</p> <p>13 most -- are you saying they are mostly metal?</p> <p>14 DR. ELDADAH: Well, to my knowledge, what makes a</p> <p>15 chemotherapeutic agent inorganic, to fall under that</p> <p>16 category, it is because of the presence of these metals that</p> <p>17 accompany the chemotherapeutic agents.</p> <p>18 HEARING EXAMINER ROBESON HANNAN: Are the types of</p> <p>19 metals you're referring to, are they inert?</p> <p>20 DR. ELDADAH: Well, I suppose it depends on what you</p> <p>21 consider inert. Gold, you might say is perhaps the most</p> <p>22 inert of all metals, or all compounds, really. Most other</p> <p>23 metals are reacted in some way. But these are metals that</p> <p>24 naturally occur in the earth. Iron is another one of these</p> <p>25 metal steps used in these inorganic chemotherapeutic agents.</p>	<p>103</p> <p>1 said?</p> <p>2 MR. PUTMAN: I do not have the pharmacological</p> <p>3 credentials of Dr. Eldadah. I would just refer to the</p> <p>4 statement from the European Journal of Pharmacology in</p> <p>5 January of 2020 in my original testimony, and that's</p> <p>6 entitled Cytostatic Pharmaceuticals as Water Contaminants,</p> <p>7 reports that these drugs cause DNA mutations and that 98</p> <p>8 percent of them cannot be removed by septic systems and</p> <p>9 wastewater treatment plants.</p> <p>10 I have no reason to doubt that, but I have not the</p> <p>11 technical background that Dr. Eldadah has.</p> <p>12 HEARING EXAMINER ROBESON HANNAN: Dr. Eldadah, can</p> <p>13 you -- just one second.</p> <p>14 Can you educate us as to -- what was the word, cyto?</p> <p>15 MR. PUTMAN: Cytotoxic chemotherapy drugs and</p> <p>16 cytostatic pharmaceuticals as water contaminants.</p> <p>17 HEARING EXAMINER ROBESON HANNAN: Can you educate us as</p> <p>18 to what those are, Dr. Eldadah?</p> <p>19 DR. ELDADAH: Well, cyto means cell, static means not</p> <p>20 moving. I believe that cytostatic drugs are -- refer to the</p> <p>21 ability of a drug to prevent a cell from multiplying,</p> <p>22 moving. That is one that would exert an effect on rapidly</p> <p>23 dividing cells like cancer cells.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay. All right.</p> <p>25 Any more questions, Mr. Putman?</p>
<p>102</p> <p>1 Iron certainly reacts, but it's also ubiquitous in the soil.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: But what is -- aren't</p> <p>3 they present in our water? Aren't they -- are some of them,</p> <p>4 even though they are in organic, or present in the soil,</p> <p>5 would you want them in your drinking water and high</p> <p>6 concentrations?</p> <p>7 DR. ELDADAH: Yes, perhaps not. I believe that the</p> <p>8 current systems for handling well water and municipal water</p> <p>9 are adequate to filter out the naturally occurring metals.</p> <p>10 As I mentioned, iron, as being one of these metals is</p> <p>11 ubiquitous in the soil. We certainly do not see our water</p> <p>12 filled with iron, owing, I assume, to the adequacy of our</p> <p>13 filtration systems. I'll defer to the sanitarians and</p> <p>14 engineers to report on the details of how these systems</p> <p>15 work.</p> <p>16 HEARING EXAMINER ROBESON HANNAN: Now, you use the word</p> <p>17 ubiquitous. Now to my pea-brain that means a lot of. It's</p> <p>18 common, correct?</p> <p>19 DR. ELDADAH: Yes, that's correct.</p> <p>20 HEARING EXAMINER ROBESON HANNAN: I'm just making sure</p> <p>21 I'm understanding your testimony. Okay. Okay, is that what</p> <p>22 you wanted to supplement with?</p> <p>23 DR. ELDADAH: Yes.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, do you</p> <p>25 have any questions based just on just what Mr. Eldadah just</p>	<p>104</p> <p>1 MR. PUTMAN: I guess we'll just have to agree to</p> <p>2 disagree. Thank you for the opportunity.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, can you</p> <p>4 do this? Do we have the citation to the article that you</p> <p>5 are reading from and our record?</p> <p>6 MR. PUTMAN: Well, it was in my testimony, my testimony</p> <p>7 today.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: Oh.</p> <p>9 MR. PUTMAN: But I'll be happy to tell you what it is.</p> <p>10 It's in the European Journal of Pharmacology, the January</p> <p>11 5th, 2020 article. It's recently enough that they know</p> <p>12 about the newly invented chemotherapy stuff and they call</p> <p>13 them cytostatic pharmaceuticals as water contaminants and</p> <p>14 report that these drugs cause DNA mutations even at low</p> <p>15 levels.</p> <p>16 HEARING EXAMINER ROBESON HANNAN: Would you mind doing</p> <p>17 this? Would you mind submitting that article? Emailing it</p> <p>18 to Ms. Johnson so we have a copy in our record? If you can.</p> <p>19 Sometimes they don't let you print it if you don't</p> <p>20 subscribe.</p> <p>21 MR. PUTMAN: Yes. I want to respect the copyright</p> <p>22 privileges, but I will look again at this journal and see if</p> <p>23 there is a way to buy a copy, and submit it to Ms. Johnson.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay. All right.</p> <p>25 Mr. -- you have no more questions then?</p>

Transcript of Hearing  
Conducted on July 30, 2021

27 (105 to 108)

105	<p>1 MR. PUTMAN: Not at this time; thank you very much.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Kline?</p> <p>3 MR. KLINE: I would -- I would like to ask a procedural</p> <p>4 question.</p> <p>5 I'm in a position where I would either call another</p> <p>6 witness on this technical issue of groundwater</p> <p>7 contamination, but it would probably take an hour or so, or</p> <p>8 45 minutes anyway. But -- so I can either try and -- we go</p> <p>9 until we finish that; we go for part of it, or we take a</p> <p>10 break for lunch now.</p> <p>11 HEARING EXAMINER ROBESON HANNAN: Well, since we're</p> <p>12 between witnesses this would be a natural time to take a</p> <p>13 break for lunchtime.</p> <p>14 Mr. Putman, do you have any objections to that?</p> <p>15 MR. PUTMAN: Not at all.</p> <p>16 HEARING EXAMINER ROBESON HANNAN: Okay. So we will go</p> <p>17 off the record for one hour. Please mute your microphones.</p> <p>18 Don't leave the hearing, but mute your microphones and your</p> <p>19 cameras or everybody will be able to hear you. Sometimes</p> <p>20 people hear -- you know, say stuff they don't intend. So</p> <p>21 Mr. Kline?</p> <p>22 MR. KLINE: All I'd like to do is I would say,</p> <p>23 unfortunately, the only way I can communicate with my</p> <p>24 witnesses is through this vehicle.</p> <p>25 So I'm going to be changing the order of witnesses. So</p>	107	<p>1 MR. KLINE: Yes. And I'm going to change, or alter our</p> <p>2 presentation because Mr. Etemadi, I think, has the subject</p> <p>3 matter -- he is most easily disposed of in the context of</p> <p>4 everything else we're talking about.</p> <p>5 Mr. Etemadi, would you please state and spell your name</p> <p>6 and --</p> <p>7 HEARING EXAMINER ROBESON HANNAN: Wait. Let me just</p> <p>8 swear him in.</p> <p>9 MR. KLINE: Yeah, right.</p> <p>10 HEARING EXAMINER ROBESON HANNAN: Mr. Etemadi, please</p> <p>11 raise your right hand.</p> <p>12 Do you solemnly affirm under penalties of perjury that</p> <p>13 the statements you're about to make are the truth, the whole</p> <p>14 truth, and nothing but the truth?</p> <p>15 MR. ETEMADI: I do.</p> <p>16 HEARING EXAMINER ROBESON HANNAN: Okay. Go ahead, Mr.</p> <p>17 Kline.</p> <p>18 MR. KLINE: Mr. Etemadi, what is your address, please?</p> <p>19 MR. ETEMADI: Good afternoon; 6449 Red Keel, Columbia,</p> <p>20 Maryland 21044.</p> <p>21 MR. KLINE: What is your profession?</p> <p>22 MR. ETEMADI: I made transportation planner,</p> <p>23 transportation engineer, and a planner.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Well, let me just say</p> <p>25 something. He lives -- I didn't know he lived on Red -- did</p>
106	<p>1 for those listening, Mr. Von Gunten is going to be the next</p> <p>2 witness, and then we would go to Mr. Crum, Mr. Post, Ms.</p> <p>3 Trock, and Mr. Eldadah. I'm sorry, Mr. Etemadi. Although,</p> <p>4 I might ask you to consider me sort of stipulating to what</p> <p>5 the traffic statement says because it's going to -- it won't</p> <p>6 come until the end and it's not going to have a lot of</p> <p>7 importance.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: Well, if you just</p> <p>9 want to rely on the staff report and just have him say he</p> <p>10 performed the staff report we don't need to go into it.</p> <p>11 MR. KLINE: All right. Maybe what we'll do is we'll</p> <p>12 start with that on the afternoon session so he doesn't have</p> <p>13 to hang around.</p> <p>14 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>15 MR. KLINE: We'll see you at 1:25?</p> <p>16 HEARING EXAMINER ROBESON HANNAN: That's perfect.</p> <p>17 Thank you.</p> <p>18 MR. KLINE: Thank you.</p> <p>19 THE COURT REPORTER: We are off the record at this</p> <p>20 time.</p> <p>21 (Recess at 12:22 p.m. EST, resuming at 1:26 p.m. EST)</p> <p>22 HEARING EXAMINER ROBESON HANNAN: All right. We're</p> <p>23 going to continue the hearing in CU 21-06.</p> <p>24 Mr. Kline, I think we were ready to move onto a new</p> <p>25 witness.</p>	108	<p>1 you say Red Keel?</p> <p>2 MR. ETEMADI: Yes, ma'am.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: In Columbia?</p> <p>4 MR. ETEMADI: Yes, ma'am.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: Well, I live about</p> <p>6 four streets away, but I never speak with Mr. Etemadi. I</p> <p>7 don't know him personally, but apparently we are proximate.</p> <p>8 So I'm just disclosing it for the record.</p> <p>9 MR. ETEMADI: Yes. I'm honored to be your neighbor,</p> <p>10 ma'am.</p> <p>11 HEARING EXAMINER ROBESON HANNAN: Well, anyway. Go</p> <p>12 ahead. If anyone has an objection you can raise it, but go</p> <p>13 ahead, Mr. Kline.</p> <p>14 MR. KLINE: Mr. Etemadi, have you ever qualified as an</p> <p>15 expert in traffic engineering and transportation planning</p> <p>16 before Ms. Robeson Hannan or any other hearing examiner?</p> <p>17 MR. ETEMADI: Yes.</p> <p>18 MR. KLINE: Recently?</p> <p>19 MR. ETEMADI: Yes. Probably the most recent one was</p> <p>20 last year, maybe. Something like that.</p> <p>21 HEARING EXAMINER ROBESON HANNAN: Yeah, I'm familiar.</p> <p>22 Look, if you don't mind, Mr. Kline, may I do it this way.</p> <p>23 Mr. Putman, do you have any objection -- do you have</p> <p>24 any reason to question Mr. Etemadi's qualifications as a</p> <p>25 transportation planner and traffic expert?</p>

Transcript of Hearing  
Conducted on July 30, 2021

28 (109 to 112)

109	1 MR. PUTNAM: No ma'am, I do not. I accept his 2 qualifications. 3 HEARING EXAMINER ROBESON HANNAN: He has qualified 4 before me before and so I will qualify him as that. 5 MR. KLINE: Thank you. 6 Mr. Etemadi, have you prepared a traffic statement 7 analyzing the Remembrance Park proposal? 8 MR. ETEMADI: Yes. 9 MR. KLINE: And what were your conclusions? 10 MR. ETEMADI: The conclusion was that this proposed 11 development is not going to have any negative impact on our 12 transportation facilities. 13 MR. KLINE: And that is because why? 14 MR. ETEMADI: Well, we follow the guidelines, the 15 County's guidelines for transportation and look at public 16 facilities requirements. We prepare the traffic statements. 17 We submitted to staff and they have approved it and the 18 conclusion in the traffic statement was that the 19 transportation system is not going to be impacted 20 negatively. 21 MR. KLINE: And that works on the assumption for a 22 traffic statement; that there will not be more than 50 peak 23 hour person trips within a peak period; correct? 24 MR. ETEMADI: Peak hour, not peak period. 25 MR. KLINE: Okay.	111	1 MR. ETEMADI: So do you want me to tell you what the -- 2 HEARING EXAMINER ROBESON HANNAN: No, I just want to 3 know what timeframe wise, what was the peak or is the peak 4 hour? 5 MR. ETEMADI: Oh, the peak hour for this development 6 actually is not a -- well, I have to explain this. Because 7 this development is not a typical cemetery or typical land 8 use that we take it -- Institute of Transportation Engineers 9 trip generation manual to calculate the trip generation. We 10 looked at the activities that will be taking place during 11 the peak hour, peak period. I should say peak period. And 12 then we assumed what would be the peak hour, sometime 13 between 8:00 and 9:00. But it's not -- 14 HEARING EXAMINER ROBESON HANNAN: I just wonder -- I'm 15 just thinking of DPS and if I put that condition on is DPS 16 going to know what hours there's supposed to be not having 17 funerals? That's why I'm asking. 18 MR. ETEMADI: Okay. That has to be outside of the peak 19 period -- 20 HEARING EXAMINER ROBESON HANNAN: Okay. 21 MR. ETEMADI: -- of the a.m. between 6:30 and 9:30 and 22 the p.m. between 4:00 and 7:00. 23 HEARING EXAMINER ROBESON HANNAN: Okay. 24 MR. ETEMADI: Those are the periods that should not 25 have funeral or other activities that generate too much
110	1 MR. ETEMADI: Right. 2 MR. KLINE: In any event, so if Remembrance Park was 3 operated in accordance with the standard there would not be 4 more than 50 peak person trips during whatever the testing 5 time period is, then there would be no impact on the 6 surrounding road network, correct? 7 MR. ETEMADI: Yes, correct. 8 MR. KLINE: On the basis of that, without going through 9 all of the testimony and the methodology I'd just like to 10 offer Mr. Etemadi's conclusion stated in his traffic study 11 and leave it at that unless somebody had some questions. 12 HEARING EXAMINER ROBESON HANNAN: I just had one really 13 quick one. Is the restriction -- the restriction on traffic 14 is no trips outside the peak hour instead of the peak 15 period. Do we know what the peak hour is? 16 MR. ETEMADI: Yes, ma'am. The peak hours -- well, the 17 peak period is in the morning 6:30 to 9:30 in the morning. 18 HEARING EXAMINER ROBESON HANNAN: Right. 19 MR. ETEMADI: And in the afternoon it is 4:00 to 7:00 20 p.m. But we will examine the traffic impact for the peak 21 hour within those peak periods. 22 HEARING EXAMINER ROBESON HANNAN: But you haven't done 23 that yet? 24 MR. ETEMADI: Yes. Yes, we have done that. 25 HEARING EXAMINER ROBESON HANNAN: All right.	112	1 trips. 2 HEARING EXAMINER ROBESON HANNAN: Okay. I get it now. 3 That's all I had. I was confused. Okay. 4 MR. KLINE: So that would be the Applicant's proffer 5 and make Mr. Etemadi available if Mr. Putman wants to ask 6 him any questions. 7 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, do you 8 have any questions? 9 MR. PUTNAM: I do not. Thank you. 10 HEARING EXAMINER ROBESON HANNAN: Mr. Kline, anything 11 else? 12 MR. KLINE: That completes our testimony on that 13 subject matter. I want to ask if Mr. Etemadi can be 14 released. 15 HEARING EXAMINER ROBESON HANNAN: He can be released. 16 Thank you Mr. Etemadi. 17 MR. ETEMADI: Thank you, ma'am. Bye-bye. 18 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Kline, 19 your next witness. 20 MR. KLINE: Mr. Von Gunten, can you join us by putting 21 your face up on the screen, please? 22 HEARING EXAMINER ROBESON HANNAN: Is that -- I don't 23 see his face. 24 MR. KLINE: Gene are you 25 MR. VON GUNTEN: (inaudible).

Transcript of Hearing  
Conducted on July 30, 2021

29 (113 to 116)

113	<p>1 MR. KLINE: Well here -- we're having trouble hearing</p> <p>2 you, and the Hearing Examiner needs to be able to see you</p> <p>3 when you're testifying.</p> <p>4 MR. VON GUNTEN: Yeah, can you hear me at least?</p> <p>5 MR. KLINE: Yes.</p> <p>6 MR. VON GUNTEN: Yeah, I'm trying to get the computer</p> <p>7 to turn the camera on and that the -- for some reason, it's</p> <p>8 not turning the camera on.</p> <p>9 MR. KLINE: Okay. Can we have one minute Ms. Robeson</p> <p>10 Hannan, please?</p> <p>11 HEARING EXAMINER ROBESON HANNAN: Certainly. We'll go</p> <p>12 off the record for, like, three minutes.</p> <p>13 (Off the record at 1:35 p.m., resuming at 1:37 p.m.)</p> <p>14 MR. KLINE: So Mr. Eldadah, you heard Mr. Etemadi's</p> <p>15 suggestion. Apparently you had an opportunity to do some</p> <p>16 research, I guess, based on Mr. Putman's resources over the</p> <p>17 lunch hour? With Mr. Putman's and the Hearing Examiner's</p> <p>18 approval, could he elaborate on his earlier testimony in</p> <p>19 light of what he has been able to read over the last hour?</p> <p>20 Is that acceptable to the Hearing Examiner and Mr.</p> <p>21 Putman?</p> <p>22 HEARING EXAMINER ROBESON HANNAN: I apologize. One</p> <p>23 second.</p> <p>24 Okay. Would you mind stating again -- for some reason,</p> <p>25 Mr. Kline, you broke up. I turned something off, so can you</p>	115	<p>1 over what I noticed was that the focus of the article was on</p> <p>2 these cytostatic drugs, which are essentially</p> <p>3 chemotherapeutic drugs. It's really the same term. And the</p> <p>4 focus of the article is on the toxicity in the water supply.</p> <p>5 But what the article really focuses on is it mentions</p> <p>6 the main source of these chemotherapeutic drugs are</p> <p>7 effluents from hospital, which of course, are enriched with</p> <p>8 patients who are undergoing active cancer treatment. And</p> <p>9 they also mentioned that community septic systems or other</p> <p>10 waste disposal systems are another source of these</p> <p>11 cytostatic drugs. So these are the main concerns in how</p> <p>12 these drugs actually wind up in the water supply.</p> <p>13 It does not talk about burial grounds, whether</p> <p>14 conventional burial grounds or green burial grounds. But</p> <p>15 this really begs the question that we have made sort of an</p> <p>16 unquestioned assumption that patients who are receiving</p> <p>17 active cancer chemotherapeutic drugs are equivalent to</p> <p>18 patients who are dead, who had the chemotherapy in the past.</p> <p>19 And it turns out that actually, as I read further, there</p> <p>20 is -- it's understood that chemotherapy actually remains in</p> <p>21 the body for a very short period of time.</p> <p>22 The Dana Farber Cancer Center which is a very well-</p> <p>23 known -- internationally known cancer center in Boston, they</p> <p>24 suggest that chemotherapeutic agents remain in the body</p> <p>25 mostly for up to 2 to 3 days. And typically, a patient who</p>
114	<p>1 say what you said again?</p> <p>2 MR. KLINE: Sure. Well, over lunch hour Mr. Eldadah</p> <p>3 was able to, apparently, secure a copy of what Mr. Putman</p> <p>4 had been relying on on his testimony and was able to come up</p> <p>5 with more observations that he wanted to share for the</p> <p>6 record, and with Mr. Putman. And I'm just asking if that is</p> <p>7 okay with everybody to do it now, while we're waiting for</p> <p>8 Mr. Von Gunten to join us.</p> <p>9 HEARING EXAMINER ROBESON HANNAN: That's fine with me.</p> <p>10 Do you have any objections, Mr. Putman?</p> <p>11 MR. PUTNAM: I have none, and I apologize for ruining</p> <p>12 Dr. Eldadah's lunch. I hope he got to eat.</p> <p>13 HEARING EXAMINER ROBESON HANNAN: All right. Mr.</p> <p>14 Eldadah, you're still under oath.</p> <p>15 DR. ELDADAH: Absolutely.</p> <p>16 HEARING EXAMINER ROBESON HANNAN: You're Dr. Eldadah,</p> <p>17 correct?</p> <p>18 DR. ELDADAH: Yes.</p> <p>19 HEARING EXAMINER ROBESON HANNAN: Is that the correct?</p> <p>20 DR. ELDADAH: It's doctor, typically addressing</p> <p>21 (inaudible) service, yes.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Okay. Go ahead.</p> <p>23 DR. ELDADAH: Thanks. Yeah, so I had a chance to look</p> <p>24 over the article and I learned a lot, and I appreciate Mr.</p> <p>25 Putman bringing this to our attention. You know, reading it</p>	116	<p>1 has cancer will survive much longer than their last cancer</p> <p>2 treatment, typically a patient who is having a toxicity from</p> <p>3 their chemotherapy that therapy will be stopped and the</p> <p>4 patient will typically not be under active chemotherapy.</p> <p>5 They will probably be in a palliative care or hospice</p> <p>6 setting.</p> <p>7 And so the time between actually receiving chemotherapy</p> <p>8 and the chemotherapy leaving the body, in most cases it</p> <p>9 would likely be well before that individual dies. And so we</p> <p>10 would expect that these chemo therapeutic agents are not</p> <p>11 present in a deceased person's body in any appreciable</p> <p>12 concentration. So what I gathered from these sources is</p> <p>13 that really if there was a concern for the chemotherapeutic</p> <p>14 agents, it's really from our wastewater systems from</p> <p>15 (inaudible).</p> <p>16 HEARING EXAMINER ROBESON HANNAN: I missed your last</p> <p>17 word. From our waste water systems?</p> <p>18 DR. ELDADAH: From our waste water systems and not from</p> <p>19 patients who actually died; not from the bodies of cancer</p> <p>20 patients who have died.</p> <p>21 HEARING EXAMINER ROBESON HANNAN: And the two main</p> <p>22 sources you mentioned were hospital effluents, and one other</p> <p>23 thing?</p> <p>24 DR. ELDADAH: Hospital effluents and then also just way</p> <p>25 systems like waste systems.</p>

Transcript of Hearing  
Conducted on July 30, 2021

30 (117 to 120)

117	119
<p>1 HEARING EXAMINER ROBESON HANNAN: I see. Okay. Thank</p> <p>2 you.</p> <p>3 Mr. Putman, do you have any questions -- or Mr. Kline,</p> <p>4 do you have any follow-up questions?</p> <p>5 MR. KLINE: I don't. And I think the direction you're</p> <p>6 heading is fine. Let Mr. Putman ask him a question and</p> <p>7 possibly if he has a response now, let him do it now also.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>9 MR. PUTMAN: My turn?</p> <p>10 HEARING EXAMINER ROBESON HANNAN: Yes, Mr. Putman.</p> <p>11 MR. PUTMAN: I agree with what you say Dr. Eldadah, and</p> <p>12 I want to agree with what you say. What I can't get over is</p> <p>13 the fact that these European studies, which are studying</p> <p>14 this and -- I'm sure their hospitalization of cancer</p> <p>15 patients is not greatly different from ours, and I'm sure</p> <p>16 that their recognition of effluent flow from septic tanks or</p> <p>17 from sewage treatment plants is not much different from</p> <p>18 ours, but they are still finding these synthetic</p> <p>19 chemotherapies that find their way somehow into the water</p> <p>20 supply.</p> <p>21 Now, I'm sure the hospitals, our waste disposal systems</p> <p>22 are partly at fault, but neither of us, I guess, knows what</p> <p>23 we could do to make those a lot better, but burying a body</p> <p>24 that may have just been the result of the failure of the</p> <p>25 chemo therapeutic regimen and having that come out of that</p>	<p>1 whole truth and nothing but the truth?</p> <p>2 MR. VON GUNTEN: I do.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: And state your name</p> <p>4 and address for the record.</p> <p>5 MR. VON GUNTEN: Gene Von Gunten, I live at 1707 Old</p> <p>6 Westminster Pike, Westminster, Maryland. The ZIP code is</p> <p>7 21157.</p> <p>8 MR. KLINE: Mr. Von Gunten, what would you describe --</p> <p>9 HEARING EXAMINER ROBESON HANNAN: Did I hear -- just a</p> <p>10 second. I'm sorry, Mr. Kline. I hear an echo. Is</p> <p>11 everybody's phone off, or a second device off? Okay. Let's</p> <p>12 try it again. Is it gone?</p> <p>13 MR. KLINE: Mr. Von Gunten?</p> <p>14 MR. VON GUNTEN: Yes.</p> <p>15 HEARING EXAMINER ROBESON HANNAN: Yeah, it's</p> <p>16 (inaudible).</p> <p>17 MR. KLINE: Sounds better.</p> <p>18 MR. VON GUNTEN: Good.</p> <p>19 MR. KLINE: Mr. Von Gunten, what would you define your</p> <p>20 profession to be?</p> <p>21 MR. VON GUNTEN: I'm a retired environmental health</p> <p>22 specialist. I worked for 38 years in that field, both in</p> <p>23 Frederick County, Maryland and also in Montgomery County,</p> <p>24 Maryland.</p> <p>25 MR. KLINE: And what was the scope of your work in</p>
118	120
<p>1 body as it does, that's something that we can mitigate in</p> <p>2 the Patuxent Watershed. And that's all I'm trying to do.</p> <p>3 So we're again, at that point where we must agree to</p> <p>4 disagree.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: Okay. I don't hear a</p> <p>6 question.</p> <p>7 Okay. Mr. Kline, anything else?</p> <p>8 You're on mute.</p> <p>9 MR. KLINE: Sorry. No, not on that subject matter.</p> <p>10 I'll just move on to our next witness. I think we'll have a</p> <p>11 chance to continue to discuss this subject matter.</p> <p>12 HEARING EXAMINER ROBESON HANNAN: Thank you. Okay, go</p> <p>13 ahead.</p> <p>14 MR. KLINE: That having been said, Mr. Von Gunten --</p> <p>15 MR. VON GUNTEN: (inaudible).</p> <p>16 MR. KLINE: Would you please introduce yourself and</p> <p>17 spell your name and be prepared to be sworn in?</p> <p>18 MR. VON GUNTEN: Yes. My name is Gene Von Gunten.</p> <p>19 First name G-E-N-E. Last name is two words; Von, V, as in</p> <p>20 Victor, O-N, and then Gunten, capital G as in George,</p> <p>21 U-N-T-E-N.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Okay. Please raise</p> <p>23 your right hand.</p> <p>24 Do you solemnly affirm under penalties of perjury that</p> <p>25 the statements you are about to make are the truth, the</p>	<p>1 those positions?</p> <p>2 MR. VON GUNTEN: I was a specialist in water wells and</p> <p>3 septic systems, both in the evaluation, the permitting, and</p> <p>4 the management of those systems.</p> <p>5 MR. KLINE: Ms. Robeson Hannan, I'm confident that Mr.</p> <p>6 Van Gunten has never qualified as an expert before you</p> <p>7 before. I am prepared to do a voir dire, unless you wanted</p> <p>8 to ask Mr. Putman if he would like to accept him as an</p> <p>9 expert in environmental health specialist.</p> <p>10 HEARING EXAMINER ROBESON HANNAN: Well, I'd just like</p> <p>11 to hear -- he's never qualified.</p> <p>12 And what is your work experience, again?</p> <p>13 MR. VON GUNTEN: I was a registered environmental</p> <p>14 health specialists, both in Frederick, and Montgomery</p> <p>15 Counties dealing with individual water wells and septic</p> <p>16 systems.</p> <p>17 HEARING EXAMINER ROBESON HANNAN: And you say dealing</p> <p>18 with -- what did you do with the individual water wells and</p> <p>19 septic systems?</p> <p>20 MR. VON GUNTEN: I evaluated sites as far as soil</p> <p>21 testing and also plan review, issuing permits, inspecting</p> <p>22 systems and also working with home owners when their septic</p> <p>23 systems failed.</p> <p>24 MR. KLINE: Mr. Von Gunten, your job when you retired</p> <p>25 your job title was what?</p>

Transcript of Hearing  
Conducted on July 30, 2021

31 (121 to 124)

121	<p>1 MR. VON GUNTEN: I was manager of the well and septic</p> <p>2 section at the Montgomery County Department of Permitting</p> <p>3 Services.</p> <p>4 MR. KLINE: And so you were responsible for</p> <p>5 ascertaining the safety of all wells and septic systems in</p> <p>6 Montgomery County?</p> <p>7 MR. VON GUNTEN: Yes, sir.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: And what are you</p> <p>9 proffering him as a (inaudible)?</p> <p>10 MR. KLINE: Well, as I say, an environmental health</p> <p>11 specialist with experience in the operation of wells and</p> <p>12 septic systems and the entire approval process to get</p> <p>13 development approved in areas that did not have public sewer</p> <p>14 and water. And --</p> <p>15 HEARING EXAMINER ROBESON HANNAN: Well, how about this.</p> <p>16 That's a long specialty. How about environmental health</p> <p>17 specialist in septic systems?</p> <p>18 MR. KLINE: Perfect.</p> <p>19 HEARING EXAMINER ROBESON HANNAN: Okay. Go ahead.</p> <p>20 Any objections from that -- Mr. Putman, do you disagree</p> <p>21 that he should be qualified?</p> <p>22 MR. PUTMAN: He sounds qualified to me.</p> <p>23 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>24 MR. PUTMAN: I accept his credentials.</p> <p>25 HEARING EXAMINER ROBESON HANNAN: Go ahead, Mr. Kline.</p>	123	<p>1 MR. KLINE: And maybe this question seems unnecessary,</p> <p>2 in light of the testimony we've heard before, but would you</p> <p>3 explain the policy reasons for ensuring where the depth of</p> <p>4 the buried bodies does not intrude into the high level mark</p> <p>5 of the water table?</p> <p>6 MR. VON GUNTEN: Well, the County Council developed a</p> <p>7 concern, I believe probably in the mid-90s. I was working</p> <p>8 for the County then. That there were cemeteries, in fact,</p> <p>9 the first one was a private cemetery, where a gentleman was</p> <p>10 going to be interred on his family farm. And there was a</p> <p>11 feeling that we should do this in a method that doesn't pose</p> <p>12 a threat to anyone's drinking water.</p> <p>13 So they consulted with my department and a decision was</p> <p>14 made that we would simply evaluate the soil and make sure</p> <p>15 that we had an adequate soil bumper between the bottom of</p> <p>16 the grave and at the highest point that the seasonal water</p> <p>17 table reaches, which is typically in the spring. And since</p> <p>18 that time, there has been one other cemetery that was</p> <p>19 permitted in Comus, where this evaluation was done to make</p> <p>20 sure that that soil buffer is there. Now, this is somewhat</p> <p>21 unique --</p> <p>22 HEARING EXAMINER ROBESON HANNAN: (inaudible) just stop</p> <p>23 one minute. There is a phone number from where I'm hearing</p> <p>24 someone speaking. It's 301-642-7 something. Can whoever</p> <p>25 that is on this call, please mute yourself -- mute your</p>
122	<p>1 MR. KLINE: Mr. Von Gunten, in your previous employment</p> <p>2 and since you've been involved in this matter, you're</p> <p>3 familiar with the provisions at Section 59.3.5.4.A.2.C of</p> <p>4 the Montgomery County Code, which I will read so everybody</p> <p>5 knows what I'm talking about.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: I'm sorry. I hear</p> <p>7 another voice. Is anybody speaking in the background?</p> <p>8 All right. Go ahead.</p> <p>9 MR. KLINE: Mr. Von Gunten, the text of the county</p> <p>10 code section I just read to you is found in the use</p> <p>11 standards for a cemetery and it reads:</p> <p>12 "Where the subject property is located in an area</p> <p>13 not served by public water and sewer, water table</p> <p>14 tests must be conducted to assure that there is</p> <p>15 adequate filtration of drainage between burial</p> <p>16 depth and the level of high water table."</p> <p>17 That's the end of the quote, and you have heard some</p> <p>18 dialogue about that subject today. So to start, and kind of</p> <p>19 take that phrase apart, is the subject property located in</p> <p>20 an area where public sewer and water are available?</p> <p>21 MR. VON GUNTEN: Well, technically speaking, public</p> <p>22 water is available. Public sewer is not available. So</p> <p>23 we're sort of in betwixt there, but for the purpose of this</p> <p>24 argument I think that the Code does apply here. This is an</p> <p>25 area where public water and sewer are not available.</p>	124	<p>1 phone. Because I can't understand what he's saying.</p> <p>2 Okay. I apologize, Mr. Von Gunten, please go ahead.</p> <p>3 MR. VON GUNTEN: Okay. So the idea is to make sure</p> <p>4 that there is an adequate soil buffer beneath the graves so</p> <p>5 that this leachate that's created by decomposition of human</p> <p>6 remains is adequately filtered and does not pose a threat to</p> <p>7 the drinking water aquifer.</p> <p>8 MR. KLINE: Have you familiarized yourself, or were you</p> <p>9 familiar with the aspects of green burial operations?</p> <p>10 MR. VON GUNTEN: I was only on the periphery because</p> <p>11 there was a proposal a few years ago that I was aware of in</p> <p>12 Baltimore County. That project has not actually gone to</p> <p>13 completion, but of course, I become a lot more acquainted</p> <p>14 with the concepts in working on this project.</p> <p>15 MR. KLINE: Would you say that the separation between</p> <p>16 burial depth and a high water table depth is a more critical</p> <p>17 issue for a green burial cemetery?</p> <p>18 MR. VON GUNTEN: Actually the processes of a green</p> <p>19 burial cemetery would actually reduce the threat to the</p> <p>20 groundwater because we do not have those elements introduced</p> <p>21 by the vault, the casket, embalming, and such. But there is</p> <p>22 still the biological element, which would be present in any</p> <p>23 cemetery. So for that reason, the soil buffer is a good</p> <p>24 idea, certainly.</p> <p>25 MR. KLINE: So in order for the Applicant to</p>

Transcript of Hearing  
Conducted on July 30, 2021

32 (125 to 128)

<p>125</p> <p>1 demonstrate that there was adequate separation, would you 2 please describe your involvement in helping the Applicant 3 put together a program to demonstrate that there would be a 4 safe separation between burial depth and high water tables? 5 MR. VON GUNTEN: Certainly. In 2020 the Applicant 6 retained a private soil and geology firm, known as ECS and a 7 geology study of the entire site, which included numerous 8 excavations with a backhoe down to about 12 feet in depth 9 and they found no sign of any shallow groundwater that would 10 have been a concern for the gravesite area. 11 And then, that report was presented to -- 12 MR. KLINE: And Mr. Von Gunten, before you leave that 13 just kind of elaborate on how -- what were their findings or 14 how did they come to those determinations in terms of what 15 they found in the field? 16 MR. VON GUNTEN: Well, they had an excavator on site 17 with a backhoe and he dug these holes. And then, they had a 18 qualified geologist there and he examined the soil that came 19 out of the holes and examined the holes themselves and 20 concluded that there was no sign of any high water table at 21 any concern there. 22 MR. KLINE: And what I'm leading up to is, what is the 23 factor that helps them make that determination (inaudible) 24 the coloration of the soil? 25 MR. VON GUNTEN: Yes. Well, they're looking for --</p>	<p>127</p> <p>1 MR. VON GUNTEN: His name is Jason Fleming. 2 HEARING EXAMINER ROBESON HANNAN: Okay. 3 MR. VON GUNTEN: And Mr. Fleming indicated on the plan 4 the location of about a dozen additional sites where he 5 would like to see excavations made and the water table test 6 conducted in the typical fashion that the County conducts 7 for all properties when a septic system is being proposed. 8 MR. KLINE: And what was Mr. Fleming's conclusions? 9 MR. VON GUNTEN: Well, first of all the inspector came 10 out. Her name is Kim Beal. She also is a registered 11 environmental health specialist and she found no signs of 12 any shallow ground water that would be of concern. And then 13 she forwarded her results to Mr. Fleming. And ultimately, 14 Mr. Fleming submitted a memo to the Park and Planning 15 Commission whereby he said that based upon the ECS study and 16 the actual field work that the water table levels were 17 considered acceptable for the grave site placement under the 18 conditions of the County Code. 19 MR. KLINE: Ms. Robeson Hannan, that letter from Mr. 20 Fleming is an attachment D2 to the technical staff report. 21 It's in the record. 22 HEARING EXAMINER ROBESON HANNAN: Okay. 23 MR. KLINE: So we have the Well and Septic Division of 24 DPS concluding, based on a soils evaluation by ECS and 25 septic testing by Mr. Reece's firm, that the separation</p>
<p>126</p> <p>1 actually they're looking for water that's present. But even 2 if it's not present they're looking for signs in the soil, 3 typically colors that are left behind by a receding 4 highwater table. And there's a very long term for that. 5 But they found -- in this case they found no such signs of 6 any morphology or colors that would indicate a high water 7 table. 8 MR. KLINE: So would you say that's a safety net test 9 to go beyond the just normal septic testing by going out and 10 doing something more scientific, I guess? 11 MR. VON GUNTEN: Yes. And in this case, of course, it 12 was followed up by additional testing conducted by a county 13 government. 14 MR. KLINE: So when the next septic testing season came 15 along, meaning, I guess 2021, would you explain what the 16 Applicant did to determine the water table location and the 17 appropriateness for burial depth? 18 MR. VON GUNTEN: Yes. First of all the Applicant 19 submitted a plan to the Department of Permitting Services 20 and their plan reviewer, who is a registered environmental 21 health specialist, reviewed the plan and indicated on -- 22 HEARING EXAMINER ROBESON HANNAN: Who is their 23 (inaudible)? 24 MR. VON GUNTEN: His name? 25 HEARING EXAMINER ROBESON HANNAN: Yeah.</p>	<p>128</p> <p>1 between burial depth and the water tests found in the field 2 were acceptable to meet the standards of the County Code? 3 MR. VON GUNTEN: Yes. 4 MR. KLINE: Okay. 5 What I think I'd like to do is go beyond the questions 6 I thought I was going to ask you today and ask you to 7 comment on Mr. Putman's observations. And if we're kind of 8 boiling down, I think, to a point where does dirt and soil 9 have the ability to cleanse the leachate of the 10 deteriorating body so that when -- those elements finally 11 get to the water table, or get to the river, or get to the 12 reservoir, they are clean and noncontaminated? So what can 13 you tell us about this subject? 14 Gene, you're on mute, please. 15 HEARING EXAMINER ROBESON HANNAN: Sir, you're -- 16 MR. VON GUNTEN: Can you hear me now? Sorry. 17 MR. KLINE: Yes, we can. 18 MR. VON GUNTEN: If we break that down into its 19 component parts and first talk about the more biological 20 aspects of decomposing human remains there would be 21 bacteria, there would be viruses. There is no question, and 22 the literature clearly supports, that the soil is an 23 excellent media for attenuation and reduction of those 24 components, especially fine-grained soils that are 25 unsaturated. And that's exactly what we have here.</p>

Transcript of Hearing  
Conducted on July 30, 2021

33 (129 to 132)

<p>129</p> <p>1 Now, Mr. Putman is right, this soil is weathered up 2 from a shale substrate. But on this site the shale is 3 weathered to the point where the soil has a loamy, or a 4 clay-loam consistency which makes it an excellent filtration 5 for the bacteria and the viruses. And the -- 6 MR. KLINE: So are you telling us it's not gravel? 7 It's not rock anymore? It's broken up and become more 8 refined than that, fine-grained? 9 MR. VON GUNTEN: Yes. Our soil is weathered up from 10 rock. Our planet is a rock. And we have this a very thin 11 layer of soil on top of that, of which we all are dependent 12 upon. And the depth of that soil varies from site to site. 13 And so that's why we do these tests, and on this site, we 14 have a soil layer that is more than 12 feet thick. Which 15 provides this excellent filtration that we are seeking. 16 MR. KLINE: Go ahead in your answer and analysis. 17 HEARING EXAMINER ROBESON HANNAN: Can I ask one more 18 question. How far underground is the shale layer? 19 MR. VON GUNTEN: I would say on this site it ranges 20 from perhaps 18 feet to 25 feet. 21 HEARING EXAMINER ROBESON HANNAN: Okay. 22 MR. VON GUNTEN: And when you first run into it, it's 23 not like you ran into the side of a building. It will 24 gradually go where the soil texture goes from being a loamy 25 soil, something you could pick up and crumble in your hand,</p>	<p>131</p> <p>1 would probably be impossible to detect these components by 2 any test we have available now. 3 MR. KLINE: Was there anything else that you wanted to 4 say on that subject? 5 MR. VON GUNTEN: The only other comment I would like to 6 make is that, obviously this is not the first cemetery in 7 the country, or Montgomery County. There are many 8 cemeteries in the Patuxent drainage area, and there are many 9 cemeteries in other areas which are dedicated groundwater 10 protection areas. I happen to live in one. 11 So this is not a precedent in the fact that we are 12 locating a cemetery in a groundwater protection area. It's 13 anything but. And then, I would also like to add that if 14 you look at the state as a whole, and consider have there 15 been instances where cemeteries have led to the 16 contamination of water wells, the answer is no. And as 17 early as -- as late as this week, I have queried people that 18 work for the Maryland Department of the environment, and 19 asked them, in their knowledge, do they know of any cases in 20 Maryland, and the answer is no. 21 MR. KLINE: Mr. Von Gunten, then in your professional 22 opinion does the Reflection Park Proposal satisfy the 23 criteria in the Montgomery County zoning ordinance for 24 having adequate -- the burial depth to the high water table 25 test?</p>
<p>130</p> <p>1 it transitions into something that starts to look like a 2 soft rock. Perhaps would pick it up it would look like a 3 rock, but you could crumble it in your hand. And as you go 4 deeper, it becomes more and more of a solid piece of rock 5 because the deeper soil has not felt the effects of wind and 6 rain like the soil at the surface test. 7 HEARING EXAMINER ROBESON HANNAN: Okay. Thank you. 8 MR. VON GUNTEN: So there is a very little concern 9 here, if any at all about the bacterial and the viral 10 components of the remains. 11 And then we've got -- of course on the subject, the 12 chemotherapy drugs. And I think in terms of the drugs that 13 are hydrocarbons -- that -- I'm sorry, that are organic, it 14 would be useful to compare this site to a residential 15 building subdivision. And if we were to build lots on 16 these -- houses on this property, the amount of input into 17 the aquifer from people who were undergoing chemotherapy 18 treatment would be much greater than the fairly minuscule 19 amount that would be left in someone's body who was 20 interred. 21 So when we talk about pollution and groundwater, many 22 times we look at the total pollutant load, and I think it's 23 important to realize that in the context of this -- the size 24 of this property and the number of internments that the 25 total pollutant load here is going to be so slight that it</p>	<p>132</p> <p>1 MR. VON GUNTEN: Yes, it does. 2 MR. KLINE: In your opinion will the operation of the 3 proposed cemetery pose any risk to the water quality of the 4 Patuxent watershed, or more particularly the reservoir? 5 MR. VON GUNTEN: In my opinion, it will not. 6 MR. KLINE: Is the amount of separation -- let me put 7 it this way. If the reservoir is a mile away, that's more 8 than the (inaudible) distance to cleanse any water that is 9 going to get to the reservoir; am I correct? 10 MR. VON GUNTEN: Yes. And I think, without getting too 11 technical, we should consider the water that leaches into 12 the ground, whether it's from the graves, or from rain, or 13 from somebody's septic system. In this particular landscape 14 position and in this soil type, and this geology, that water 15 tends to recharge the aquifer. It tends not to go into 16 what's called basic flow, which would be water that would 17 eventually flow into the stream. 18 So the input from this site directly into the Patuxent 19 River, or even indirectly, is very, very slight. The vast 20 majority of this goes into -- back into the drinking water 21 aquifer. 22 MR. KLINE: Which is subterranean to the subject 23 property? 24 MR. VON GUNTEN: Yes. The aquifer is actually below 25 the river.</p>

Transcript of Hearing  
Conducted on July 30, 2021

34 (133 to 136)

133	<p>1 MR. KLINE: All right. So the effluent that comes from</p> <p>2 the degradation process is not going to migrate as far away</p> <p>3 as the reservoir?</p> <p>4 MR. VON GUNTEN: It will not.</p> <p>5 MR. KLINE: Okay. Fine. I have no further questions</p> <p>6 of Mr. Von Gunten, and I think he and Mr. Putman might have</p> <p>7 a very interesting conversation now though.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: Well, okay. Mr.</p> <p>9 Putman, do you have any questions?</p> <p>10 MR. PUTMAN: Thank you, Ms. Hannan. I do have a couple</p> <p>11 of questions.</p> <p>12 The first goes to the shale substrate. In your opinion</p> <p>13 would any of the necro-leachate from these graves go through</p> <p>14 the earth level and before they ever got to the water table</p> <p>15 level get to that fractured shale and following the law of</p> <p>16 gravity, would they flow down to the river?</p> <p>17 MR. VON GUNTEN: Well, first of all, we can't defy the</p> <p>18 rules of gravity, so all of the liquid will eventually flow</p> <p>19 down into that shale layer. But the point of having the</p> <p>20 soil buffer is that the bacteria and the viruses are</p> <p>21 rendered harmless probably in a few inches of soil, and we</p> <p>22 are providing four to six feet. So there's no question that</p> <p>23 this treated and filtered effluent will reach the shale</p> <p>24 layer.</p> <p>25 Now, at that point the vast majority of it, if not all</p>	135	<p>1 whole lot of runoff coming onto Reflection Park from a</p> <p>2 neighbor, and on the other hand I think that the unique</p> <p>3 nature of it being a wooded site, and maintained as a wooded</p> <p>4 site is certainly going to mitigate that threat.</p> <p>5 MR. PUTMAN: Thank you.</p> <p>6 I'm sorry I can't -- I have no further questions.</p> <p>7 MR. KLINE: And I have no redirect questions of Mr. Von</p> <p>8 Gunten either.</p> <p>9 HEARING EXAMINER ROBESON HANNAN: I just have one</p> <p>10 question and that (inaudible). I assume that the water</p> <p>11 quality in the reservoir is tested regularly; is that</p> <p>12 correct?</p> <p>13 Oh, you're on mute.</p> <p>14 MR. VON GUNTEN: Maybe somebody can explain someday why</p> <p>15 the thing mutes me on purpose. But maybe it doesn't like me</p> <p>16 speaking.</p> <p>17 But you are correct. And the water quality is</p> <p>18 routinely monitored by WSSC because it's in their water, and</p> <p>19 they serve that water to their customers. And I have had</p> <p>20 conversation with the chemist that works at WSSC and it's</p> <p>21 amazing that sometimes their concern sort of dovetailed with</p> <p>22 concerns that other people have.</p> <p>23 Their biggest concern right now, in terms of inorganic</p> <p>24 compounds is road salt. And road salt is a threat, a real</p> <p>25 threat, to their water system. And the point may come where</p>
134	<p>1 of it, will flow into the drinking water aquifer which is</p> <p>2 subterranean and very little or none of it will flow into</p> <p>3 the Patuxent River.</p> <p>4 MR. PUTMAN: Okay. And (inaudible). Thank you for</p> <p>5 that answer. I have another question that involves the</p> <p>6 depth at which the bodies are buried. It starts at the</p> <p>7 bottom of the grave will be 3-1/2 to 4 feet down, and then</p> <p>8 the coverage may be about 2 feet of earth on top. Given</p> <p>9 what I said earlier about the high percentage of impervious</p> <p>10 surface of some neighboring properties, in a heavy rain</p> <p>11 flow, what are the chances that some of that necro-leachate,</p> <p>12 instead of being gravity pulled underneath, that the flow of</p> <p>13 water across the property would pull some of that out and</p> <p>14 flow it over the surface and down the hill?</p> <p>15 MR. VON GUNTEN: Well, from my being on the site, what</p> <p>16 strikes me as the large amount of imperviousness is the</p> <p>17 industrial property to the rear, and to the east. And that</p> <p>18 is all downgrade from the entire Reflection Park property.</p> <p>19 Now, there is a large place of worship immediately to the</p> <p>20 west, and perhaps that they have impervious areas like</p> <p>21 parking lots, but keep in mind, Reflection Park is an</p> <p>22 entirely forested property. And that makes it an excellent</p> <p>23 place to mitigate any sort of runoff from the adjacent</p> <p>24 properties.</p> <p>25 So on the one hand, I don't think there's going to be a</p>	136	<p>1 they have to treat their raw water for sodium. They do not</p> <p>2 see any other inorganics that I know of cropping up.</p> <p>3 Now, they do, in all candor, they have a general</p> <p>4 concern about people that live in homes that have septic</p> <p>5 systems and there is a person living in the home who is</p> <p>6 undergoing chemotherapy because the drugs are shed. They</p> <p>7 take the drugs every day, and the body sheds the drug. It</p> <p>8 doesn't really stay in your body that long. And they are</p> <p>9 concerned that perhaps people that live very close to the</p> <p>10 reservoir, up, like say, Triadelphia. Those people whose</p> <p>11 septic systems are maybe a few hundred feet from the</p> <p>12 reservoir. In that case, a portion of their effluent that</p> <p>13 goes through their septic system can contribute to base</p> <p>14 flow, which means it flows, after being treated, into the</p> <p>15 reservoir. So WSSC has a concern, long term, for those</p> <p>16 instances.</p> <p>17 But in this particular case we're not dealing with</p> <p>18 living people shedding the drugs every day and we are a mile</p> <p>19 from the reservoir and there is no base flow component.</p> <p>20 HEARING EXAMINER ROBESON HANNAN: Would the drugs be</p> <p>21 shed by the time you're buried; do you know?</p> <p>22 MR. VON GUNTEN: Well, we better ask a medical doctor</p> <p>23 that because I'm sure he's much more qualified than I am.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>25 MR. VON GUNTEN: Did you want me to (inaudible)?</p>

Transcript of Hearing  
Conducted on July 30, 2021

35 (137 to 140)

137	<p>1 HEARING EXAMINER ROBESON HANNAN: Not yet. Mr. Putman</p> <p>2 you had your hand up?</p> <p>3 MR. PUTMAN: I did. Thank you. And I wanted to add</p> <p>4 just a bit if I could to Mr. Von Gunten's response to that</p> <p>5 question. And I agree with him about the road salt. That is</p> <p>6 an increasing problem. Several of my neighbors have road</p> <p>7 salt in their well water and we're not sure how to mitigate</p> <p>8 that.</p> <p>9 But I would say, with respect to WSSC, they are a</p> <p>10 phenomenal organization and they are also a political</p> <p>11 organization. They will never say publicly that they cannot</p> <p>12 treat whatever we dump into that reservoir. They will treat</p> <p>13 it until they'll get to the point where the water that comes</p> <p>14 out of your faucet smells like Clorox. But they will never</p> <p>15 admit that they can't treat that water. And they will never</p> <p>16 take a position in opposition to any citizen who wants to do</p> <p>17 anything that's not a clear violation of code.</p> <p>18 So we need to take that political reality into</p> <p>19 consideration. They do a wonderful job with what we've got</p> <p>20 but so far we haven't polluted that reservoir to the extent</p> <p>21 that it gets more difficult to impossible for them. And we</p> <p>22 don't want to.</p> <p>23 HEARING EXAMINER ROBESON HANNAN: All right. I take</p> <p>24 that as a statement rather than a question.</p> <p>25 Anyone else have any questions?</p>	139	<p>1 this. But after you die how long does it take the -- say</p> <p>2 you're not living, do the drugs -- is there any information</p> <p>3 on how the drugs excrete then?</p> <p>4 DR. ELDADAH: Well presumably, after someone has died</p> <p>5 they are no longer in a position to be urinating or</p> <p>6 excreting drugs. But we know that based on this information</p> <p>7 that the -- there isn't much drug left in a body after those</p> <p>8 two to three days. And also, again just reiterating, the</p> <p>9 typical medical practice that it's likely that one would</p> <p>10 continue to live for several days, if not weeks or months,</p> <p>11 after their last chemotherapy treatment.</p> <p>12 HEARING EXAMINER ROBESON HANNAN: Okay. Thanks for re-</p> <p>13 summarizing that.</p> <p>14 Are there any questions?</p> <p>15 Okay. Thank you, Dr. Eldadah.</p> <p>16 Mr. Kline, you can ask your next witness -- call your</p> <p>17 next witness.</p> <p>18 MR. KLINE: Thank you. Mr. Crum would you please give</p> <p>19 us your name and be sworn in.</p> <p>20 MR. CRUM: Sure.</p> <p>21 HEARING EXAMINER ROBESON HANNAN: Let me -- Mr. Crum,</p> <p>22 please raise your right hand. Do you solemnly affirm under</p> <p>23 penalties of perjury that the statements you are about to</p> <p>24 make are the truth, the whole truth and nothing but the</p> <p>25 truth?</p>
138	<p>1 Okay. Seeing none, Mr. Kline, do you have any follow-</p> <p>2 up?</p> <p>3 You're on mute.</p> <p>4 MR. KLINE: Sorry. No. No redirect and we'd move on</p> <p>5 to our next witness.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: Okay. Let me -- I</p> <p>7 think Mr. Eldadah -- you may be excused Mr. Von Gunten.</p> <p>8 Thank you.</p> <p>9 MR. VON GUNTEN: Thank you.</p> <p>10 HEARING EXAMINER ROBESON HANNAN: Dr. Eldadah, can I</p> <p>11 just ask him a question?</p> <p>12 MR. KLINE: The Applicant has no objection.</p> <p>13 HEARING EXAMINER ROBESON HANNAN: Okay. Dr. Eldadah,</p> <p>14 you're obviously you're still under oath.</p> <p>15 I think you gave me the timeframes earlier that chemo</p> <p>16 leaves the body. Can you just go through that again because</p> <p>17 I have to wait 10 days for the transcript so I want to make</p> <p>18 sure I have it right.</p> <p>19 DR. ELDADAH: Yes, certainly. So I'm quoting from a</p> <p>20 source from the Dana Farber Cancer Center that says most</p> <p>21 chemotherapy drugs remain in the body for only a few hours</p> <p>22 or days. They're broken down by the kidneys and liver and</p> <p>23 excreted in the urine, stool, or sweat.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay. And then, do</p> <p>25 you have any information -- I don't know if they've tracked</p>	140	<p>1 MR. CRUM: I do.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>3 MR. CRUM: For the record my name is Stephen Crum</p> <p>4 S-T-E-P-H-E-N, last name, C-R-U-M. I work with the firm of</p> <p>5 Macris, Hendricks &amp; Glascock. Our office address is 9220</p> <p>6 Wightman Road, Suite 120 in Montgomery Village, Maryland.</p> <p>7 My email address is SCrum@MHGPA.com.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: Now, Mr. Kline, Mr.</p> <p>9 Crum has qualified as an expert before us. What are you</p> <p>10 proposing him to testify as a civil engineer or?</p> <p>11 MR. KLINE: Yes, ma'am.</p> <p>12 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, do you</p> <p>13 have any objections to Mr. Crum qualifying as a civil</p> <p>14 engineer? An expert in civil engineering?</p> <p>15 MR. PUTMAN: Absolutely not.</p> <p>16 HEARING EXAMINER ROBESON HANNAN: Okay. Go ahead, Mr.</p> <p>17 Crum.</p> <p>18 MR. KLINE: And Mr. Crum, I'm going to kind of let you</p> <p>19 do this on your own because you probably have the exhibits</p> <p>20 in the order you'd like to have them. But it's a little</p> <p>21 unusual because normally we'd be starting with you trying to</p> <p>22 educate everybody about the features of the property, but I</p> <p>23 think everyone's probably developed a decent sense now of</p> <p>24 how it's shaped, how it's organized topo. But why don't</p> <p>25 you -- let's go and do what I'll call a conventional civil</p>

Transcript of Hearing  
Conducted on July 30, 2021

36 (141 to 144)

141	<p>1 engineer's layout and bring up the first exhibit you think</p> <p>2 is a good one to start talking from.</p> <p>3 MR. CRUM: Sure. Could I have Exhibit 38-B, please?</p> <p>4 HEARING EXAMINER ROBESON HANNAN: E?</p> <p>5 MR. CRUM: B as in boy.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: Okay. Hold on one</p> <p>7 sec. My computer is very slow loading. Okay. It should be</p> <p>8 up.</p> <p>9 MR. CRUM: I see it.</p> <p>10 HEARING EXAMINER ROBESON HANNAN: It's hard to get this</p> <p>11 property entirely on the screen. Okay. Go ahead.</p> <p>12 MR. CRUM: Yeah, we experienced the same problem trying</p> <p>13 to fit it on a piece of paper as well.</p> <p>14 So the subject property is approximately 40.4 acres. I</p> <p>15 think the reference from both the staff report and others</p> <p>16 that have testified today indicate that it is flag shaped,</p> <p>17 meaning that there is a narrow portion and then a much wider</p> <p>18 portion of the property. The field of the flag, if you</p> <p>19 were, is the eastern portion of the property and the narrow</p> <p>20 portion is the western portion of the property. The</p> <p>21 narrowest portion is along New Hampshire Avenue which is</p> <p>22 where the access point is.</p> <p>23 And just orientation, it's approximately 2,760 feet</p> <p>24 south of Ednor Road on New Hampshire Avenue and 2,940 feet</p> <p>25 north of Norbeck Road. There are some intervening streets</p>	143	<p>1 above mean sea level.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>3 MR. CRUM: There is a promontory in the middle of the</p> <p>4 site that was described earlier by Mr. Goodnoe and that's</p> <p>5 about 412 feet above mean sea level.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: Thank you.</p> <p>7 MR. CRUM: There are two unnamed tributaries that</p> <p>8 traverse through the site. One -- they're both tributary to</p> <p>9 the lower Patuxent River Rocky Gorge Watershed. One flows</p> <p>10 from the northwest to the southeast and the other flows from</p> <p>11 the southwest to the northeast and again, they form a</p> <p>12 confluence near the eastern boundary of the property.</p> <p>13 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>14 MR. CRUM: The entire property is forested. There is</p> <p>15 some evidence on the western portion, the narrow portion of</p> <p>16 the property that that forest is somewhat younger than the</p> <p>17 eastern portion of the property and there's some evidence</p> <p>18 based on soils maps and aerial photography from the late</p> <p>19 '50s that that area was perhaps in agricultural use at the</p> <p>20 time.</p> <p>21 The property does not have any improvements on it and</p> <p>22 there is no evidence of any historic resources, nor is it</p> <p>23 listed on any historic resource atlas maintained by</p> <p>24 Montgomery County or the Maryland Historic Preservation</p> <p>25 Commission.</p>
142	<p>1 that are smaller but those are the two major intersections</p> <p>2 that would orient somebody to where the property is located.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>4 MR. CRUM: Moving on to topography, if I could have</p> <p>5 Exhibit 38-H.</p> <p>6</p> <p>7 HEARING EXAMINER ROBESON HANNAN: It's coming.</p> <p>8 MR. CRUM: I see the blue bar.</p> <p>9 HEARING EXAMINER ROBESON HANNAN: This isn't good. I'm</p> <p>10 referring, for the record, to waiting for the screen to</p> <p>11 load. All right. Now that it's nighttime, go ahead, Mr.</p> <p>12 Crum.</p> <p>13 MR. CRUM: So Exhibit 38-H is the approved Natural</p> <p>14 Resource Inventory Forest Stand Delineation plan that was</p> <p>15 reviewed by the staff at Park and Planning. And it gives us</p> <p>16 a good picture of the topography of the site, the property</p> <p>17 is characterized by topographic relief in the range of 3 to</p> <p>18 25 percent slopes. The majority of the property is in the</p> <p>19 range of 8 to 15 percent slopes and moving from west to east</p> <p>20 the highest portion of the property is along New Hampshire</p> <p>21 Avenue. It has an elevation above mean sea level of</p> <p>22 approximately 548 feet and the lowest portion is in the very</p> <p>23 southeastern corner of the property and -- which is where</p> <p>24 two of the onsite streams form a confluence and leave the</p> <p>25 site. And there's an elevation there of about 400 feet</p>	144	<p>1 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>2 MR. CRUM: So moving along, Exhibit 39 and page 4,</p> <p>3 please. There we go.</p> <p>4 This is the staff report from the Planning Commission</p> <p>5 hearing and the planning staff has identified the</p> <p>6 neighborhood surrounding the property to be approximately a</p> <p>7 2,000 foot radius circle with centered in the site, and</p> <p>8 that -- we agree with that that's an appropriate</p> <p>9 neighborhood for the purposes of analyzing this site. This</p> <p>10 image gives us a good overview of the various land uses in</p> <p>11 the vicinity and within the neighborhood there's a</p> <p>12 residential subdivision to the south. There's the Bartley</p> <p>13 Corporate Concrete contractor site, which is a commercial</p> <p>14 use immediately adjacent to the southern boundary of the</p> <p>15 property. The Ednor local park adjoins the northwestern</p> <p>16 boundary of the property and there are several single family</p> <p>17 detached dwellings in a small subdivision bordering the</p> <p>18 eastern boundary.</p> <p>19 The area to the northwest of the narrow portion of the</p> <p>20 site has a number of religious uses. And then, there is a</p> <p>21 major religious assembly use identified as Camp Sunshine on</p> <p>22 this image.</p> <p>23 So that sort of gives us a vies of the neighborhood.</p> <p>24 Directly across New Hampshire Avenue is the Hampshire Greens</p> <p>25 Golf Course and the residential community that's a part of</p>

Transcript of Hearing  
Conducted on July 30, 2021

37 (145 to 148)

<p>145</p> <p>1 that golf course community.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>3 MR. CRUM: Let's see. Exhibit 42, please.</p> <p>4 So this is a rendering that was prepared for the</p> <p>5 project and I think that this best demonstrates the -- how</p> <p>6 the subject application fits into the neighborhood. And</p> <p>7 that it's well-buffered from the residential uses, the</p> <p>8 single family detached residential uses. It's well buffered</p> <p>9 from the Norwood -- or the Ednor local park. I would note</p> <p>10 that the chairman of the Planning Commission during the</p> <p>11 hearing indicated he was very complimentary of the</p> <p>12 Applicant's use of a trail system and wanted to know whether</p> <p>13 there was a possibility that the trail system could be</p> <p>14 connected to the Ednor local park. And the Applicant</p> <p>15 indicated that they would certainly consider that in the</p> <p>16 future if the Parks Department felt that that was</p> <p>17 appropriate.</p> <p>18 So again, this exhibit it shows the -- how much forest</p> <p>19 is going to be retained along the perimeter. It</p> <p>20 demonstrates adequate buffering. The Ukrainian church</p> <p>21 that's right next door we're going to provide some plant --</p> <p>22 the Applicant's going to provide some planting there to</p> <p>23 augment that -- the buffer that's there.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>25 MR. CRUM: Okay. The next exhibit that I would like</p>	<p>147</p> <p>1 setbacks of 100 feet for non-residential buildings.</p> <p>2 And can you zoom in on the New Hampshire Avenue</p> <p>3 portion? Oh, we're still not going to be able to read those</p> <p>4 numbers probably. Anyway. So there are three buildings, I</p> <p>5 think that's been previously testified. There are going to</p> <p>6 be three buildings in this first phase. And the set-backs</p> <p>7 that are being proposed are 122.4 feet, 98.5 feet and 92.3</p> <p>8 feet, and those respectively are the small maintenance</p> <p>9 building, the office building and the front pavilion, the</p> <p>10 entry pavilion.</p> <p>11 Another important point is that all three of these</p> <p>12 buildings present their narrowest side to New Hampshire</p> <p>13 Avenue, further reducing their impacts and they are all</p> <p>14 relatively low buildings. The pavilion is open-sided with</p> <p>15 simply a roof and a floor structure. So I think that given</p> <p>16 the setbacks, effectively these buildings conform with the</p> <p>17 recommendations of the master plan.</p> <p>18 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>19 MR. CRUM: Let's see. So the next thing I'd like to</p> <p>20 talk about is the Patuxent River primary management area,</p> <p>21 and our impervious surfaces. So the goal of the Patuxent</p> <p>22 River Watershed Master Plan from 1993 includes the</p> <p>23 protection of water quality in the Rocky Gorge and</p> <p>24 Triadelphia reservoirs. Protection of water quality in the</p> <p>25 watershed streams, protection of stream channels from</p>
<p>146</p> <p>1 would be 38-C. Sorry to make you jump around so much.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: No, it's okay. I</p> <p>3 apologize -- sorry.</p> <p>4 HEARING EXAMINER ROBESON HANNAN: It's okay.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: For the record, I</p> <p>6 just groaned because I'm not used to this computer and it's</p> <p>7 touchy. Okay. Go ahead. And slow.</p> <p>8 MR. CRUM: So the Cloverly Master Plan, while that</p> <p>9 Exhibit's going up. The Cloverly Master Plan of 1997</p> <p>10 identifies three broad communities within the Cloverly</p> <p>11 Master Plan. An agricultural wedge, a residential wedge,</p> <p>12 and suburban communities. And roughly they run from north</p> <p>13 to south in the Cloverly Master Plan. And the subject</p> <p>14 property is within the agricultural wedge.</p> <p>15 The '97 master plan recommends that future land uses</p> <p>16 within the agricultural wedge maintain an existing mix of</p> <p>17 low density residential neighborhoods, open space, which</p> <p>18 preserves the valley of the Patuxent River tributaries and</p> <p>19 in turn creates the community's rural character and keeps</p> <p>20 the built and the natural environments in balance.</p> <p>21 And I think that -- it's my opinion that this cemetery</p> <p>22 use certainly meets the -- is in conformance with the open</p> <p>23 space recommendations from the master plan. And the -- you</p> <p>24 know, that it preserves the rural character. The master</p> <p>25 plan also makes recommendations for greater front yard</p>	<p>148</p> <p>1 erosion and protection of properties from flooding.</p> <p>2 One of the vehicles for accomplishing these goals is</p> <p>3 limiting the construction of additional or new impervious</p> <p>4 surfaces within the watershed. The establishment of a</p> <p>5 primary management area, or PMA provides a methodology and</p> <p>6 criteria for protecting the water quality within the</p> <p>7 Patuxent River Watershed. The guidelines for environmental</p> <p>8 management of development in Montgomery County 2000 -- we'll</p> <p>9 just call them the environmental guidelines, provide the</p> <p>10 criteria for establishing buffers to protect the quality of</p> <p>11 the Patuxent River.</p> <p>12 The primary management area for the Patuxent River</p> <p>13 under the Maryland Patuxent River Policy Plan is defined as</p> <p>14 all the land within a quarter of a mile of 1,320 feet from</p> <p>15 the Patuxent River mainstem. And one-eighth of a mile, or</p> <p>16 660 feet from all tributaries on the Patuxent River.</p> <p>17 Montgomery County further expands the Maryland PMA to</p> <p>18 include land within a quarter mile or 1,320 feet from the</p> <p>19 Hollings River mainstem. The Hollings River mainstem is a</p> <p>20 major tributary to the Patuxent.</p> <p>21 Exhibit 38-Z, please.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Okay. That should be</p> <p>23 on your screen.</p> <p>24 MR. CRUM: I'm not seeing it.</p> <p>25 HEARING EXAMINER ROBESON HANNAN: Okay. Let me try</p>

Transcript of Hearing  
Conducted on July 30, 2021

38 (149 to 152)

<p>149</p> <p>1 again.</p> <p>2 MR. CRUM: And that doesn't mean anything, but.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: How is it now?</p> <p>4 MR. KLINE: Not yet.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: No? All right.</p> <p>6 (Off the record discussion; exhibit loading.)</p> <p>7 HEARING EXAMINER ROBESON HANNAN: What was the Exhibit?</p> <p>8 I'm sorry.</p> <p>9 MR. CRUM: 38-Z as in zebra.</p> <p>10 HEARING EXAMINER ROBESON HANNAN: How's that?</p> <p>11 MR. CRUM: That's great.</p> <p>12 HEARING EXAMINER ROBESON HANNAN: Yaa. Go ahead.</p> <p>13 MR. KLINE: And what is this, Mr. Crum?</p> <p>14 MR. CRUM: This is an impervious surface exhibit that</p> <p>15 was prepared at the request of the staff at Park and</p> <p>16 Planning. And there's a curved line just to the east of the</p> <p>17 roundabout on the main cemetery road. Keep going to the</p> <p>18 west. West, west, west. There you go. Almost. Lower, the</p> <p>19 roundabout. The circle in the -- no, not the big circle,</p> <p>20 the very small circle near the front. Go --</p> <p>21 MR. KLINE: No, on --</p> <p>22 MR. CRUM: There you go.</p> <p>23 MR. KLINE: Yeah. Yeah.</p> <p>24 MR. CRUM: Okay. So that curved line is the limits of</p> <p>25 the DMA.</p>	<p>151</p> <p>1 and/or accomplish master plan goals it is desirable for</p> <p>2 greater than 10 percent of the impervious surfaces to be</p> <p>3 constructed within the PMA transition area. Then the area</p> <p>4 of the impervious surfaces that make the average over the</p> <p>5 entire tract area.</p> <p>6 If you can zoom in on the notes in the lower -- yeah,</p> <p>7 those guys.</p> <p>8 So our analysis is that if we look at the tract area as</p> <p>9 a whole, it's 40.4 acres, 10 percent of that would be 4.039</p> <p>10 acres, and if we average everything over the entire tract</p> <p>11 area, we are at 9.8 percent impervious. If we look at</p> <p>12 simply the area in the PMA transition area the area of the</p> <p>13 transition area is 24.12 acres, 10 percent of that would be</p> <p>14 2.41.</p> <p>15 Because we have cited that the major buildings and</p> <p>16 several of the cemetery roads in that area, that yields an</p> <p>17 impervious area of 12.8. But because we believe that the --</p> <p>18 by protecting the character of the neighborhood by having</p> <p>19 those larger buildings more centrally located we are keeping</p> <p>20 the rural character of the neighborhood, as well as the</p> <p>21 rural character of New Hampshire Avenue that we -- and staff</p> <p>22 agreed with us, that we should be able to allowed to average</p> <p>23 over the entire tract area. So we believe that it's my</p> <p>24 opinion that we meet the criteria of not exceeding 10</p> <p>25 percent of impervious surfaces for the subject property.</p>
<p>150</p> <p>1 HEARING EXAMINER ROBESON HANNAN: I'm sorry.</p> <p>2 MR. CRUM: That's okay.</p> <p>3 So all but about 5.1 acres of the subject property is</p> <p>4 located within the PMA. It's within a quarter mile of the</p> <p>5 Patuxent River mainstem. The environmental guidelines</p> <p>6 recommend that the following land features to be included</p> <p>7 within a PMA stream buffer are the 100 year floodplains,</p> <p>8 non-title wetlands, slopes of 25 percent or greater that are</p> <p>9 abutting or adjoining a stream and any flood plain or</p> <p>10 streamside wetlands, and habitat for rare or sensitive</p> <p>11 vegetation. So the stream valley buffer is that squiggly</p> <p>12 line that traverses around -- yeah, that's correct. That's</p> <p>13 the stream valley buffer.</p> <p>14 So everything -- so we -- the stream valley buffer</p> <p>15 complies with those environmental guidelines. There's steep</p> <p>16 slopes, the flood plains, the wetlands, and then the stream</p> <p>17 channels are all within that stream valley buffer. The area</p> <p>18 between the stream valley buffer and the limits of the PMA</p> <p>19 are defined as the PMA transition area. So there's no</p> <p>20 impervious surfaces proposed within the stream valley</p> <p>21 buffer. The environmental guidelines go on to say that the</p> <p>22 transition area -- the impervious areas within the</p> <p>23 transition area are not to exceed 10 percent.</p> <p>24 There's a clause, however, that if in the interest of</p> <p>25 maintaining community character or to achieve compatibility</p>	<p>152</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>2 MR. CRUM: Okay?</p> <p>3 HEARING EXAMINER ROBESON HANNAN: Yes.</p> <p>4 MR. CRUM: Next up is -- Mr. Eldadah went through the</p> <p>5 proposed uses. Do you want me to go through that or not?</p> <p>6 HEARING EXAMINER ROBESON HANNAN: No. no.</p> <p>7 MR. CRUM: Okay. In the interest of time, that sounds</p> <p>8 good.</p> <p>9 So as we're aware, the subject property is in the rural</p> <p>10 cluster, the RC zone. The intent of the RC zone is to</p> <p>11 provide designated areas of the county for a compatible</p> <p>12 mixture of agricultural uses and very low density</p> <p>13 residential development to promote agriculture and to</p> <p>14 protect scenic and environmentally sensitive areas.</p> <p>15 However, the Cloverly Master Plan specifically</p> <p>16 recommends that the RC zone property within the agricultural</p> <p>17 wedge be developed in a manner to create and preserve open</p> <p>18 space in lieu of an agricultural use. I think the</p> <p>19 recognition there was that with the herbicides and</p> <p>20 fertilizers that an agricultural use or even animal waste</p> <p>21 would entail -- would compromise the integrity of the</p> <p>22 watershed. So the Cloverly Master Plan recognized that even</p> <p>23 though the RC zone is sort of set up for agricultural uses</p> <p>24 that they are recommending that the uses in the agricultural</p> <p>25 wedge be developed as open space.</p>

Transcript of Hearing  
Conducted on July 30, 2021

39 (153 to 156)

<p>153</p> <p>1 Again, it's my opinion, that a cemetery, especially a 2 cemetery designed to be reforested as Mr. Goodnoe explained, 3 is in conformance with that recommendation from the master 4 plan. 5 HEARING EXAMINER ROBESON HANNAN: Okay. 6 MR. CRUM: You also have a variance before you. It's 7 A6693. So the variance -- the RC zone requires a lot width 8 at both the front building line and the front lot line to be 9 300 feet. The subject property, after dedication will have 10 a lot width at the front building line of 205.8 feet and at 11 the front building line -- front lot line it will be 214 12 feet. So we need a variance of 94.2 feet in one position 13 and 86 feet in the other. 14 MR. KLINE: Steve, can we pull up the -- maybe a blowup 15 of that so we can just understand it a little better? 16 MR. CRUM: Sure. 38-A. Exhibit 38-A. 17 HEARING EXAMINER ROBESON HANNAN: Okay. 18 MR. CRUM: That -- 19 HEARING EXAMINER ROBESON HANNAN: This is 38-A. Did you 20 want 38-B? 21 MR. CRUM: Well, 38-A has the dimensions; 38-B is 22 probably a -- 23 HEARING EXAMINER ROBESON HANNAN: Oh. 24 MR. CRUM: So in the table in the upper right-hand 25 corner are the dimensions if you don't want to --</p>	<p>155</p> <p>1 narrow strip. That's the way it came. And to the best of 2 our research it's been in this configuration for a number of 3 years. 4 MR. KLINE: Presumably prior to the imposition of rural 5 cluster zoning on the property? 6 MR. CRUM: Presumably, yes. 7 MR. KLINE: Yeah. 8 MR. CRUM: So we need the variance in order to move 9 forward. We didn't create the condition that requires the 10 variance. We're asking for the minimum necessary to satisfy 11 the zoning ordinance and if we -- if the variance were 12 denied this not only would a cemetery use not be allowed, 13 the property couldn't be developed in the RC zone without 14 acquiring adjoining property. So we don't think it's in 15 the -- in anybody's best interest to not consider the 16 variance an essential component regardless of the 17 development proposal. 18 HEARING EXAMINER ROBESON HANNAN: Okay. 19 MR. KLINE: In other words, you cannot get a building 20 permit to build on this property without the variance? 21 MR. CRUM: That's correct. 22 HEARING EXAMINER ROBESON HANNAN: Right. 23 MR. KLINE: Thank you. 24 MR. CRUM: Sure. 25 Staff, in their staff report also identified a waiver</p>
<p>154</p> <p>1 MR. KLINE: Yeah, I'd rather have it graphically. I'm 2 not so worried about the numbers. 3 MR. CRUM: Okay. All right. So then B. 4 HEARING EXAMINER ROBESON HANNAN: I think it's just 5 loading. There we go. 6 MR. KLINE: And could you extenuate that down to the 7 lower left-hand corner, right along New Hampshire Avenue? 8 HEARING EXAMINER ROBESON HANNAN: Yes. Hold on, it's 9 still loading. 10 MR. KLINE: Yeah, okay. 11 Because, Steve, I think I see some lines along there 12 parallel to New Hampshire so you probably have the right 13 dimensions on there, right? 14 MR. CRUM: Yes. 15 MR. KLINE: Yeah. Great. 16 MR. CRUM: So -- 17 HEARING EXAMINER ROBESON HANNAN: So this is 38-B. 18 MR. CRUM: Yes. So there's -- we've identified the 19 center line of New Hampshire Avenue and then we provide the 20 required dedication to achieve 120 foot right-of-way in 21 accordance with the master plan, and that's where the front 22 lot line will be measured from. And then, there's a 50 foot 23 building setback line which is the longer of the two and so 24 because this is the shape of the property that the Applicant 25 acquired, they didn't sell portions off to create this</p>	<p>156</p> <p>1 for the location of parking spaces. It's a fairly large 2 property and while we comply with the number of parking 3 spaces required, the distance from the establishment served 4 that's in Section 59.6.2.5.B requires that all parking 5 spaces be within a quarter of a mile of the establishment 6 served. 7 Staff took the position that the entrance to the 8 cemetery which is the driveway entrance on New Hampshire 9 Avenue is the entrance to the establishment served and if 10 you go a quarter mile you won't reach all the parking spaces 11 that are at the rear of the property. So we're asking for a 12 waiver. We believe the parking spaces are most convenient 13 to the buildings and most convenient to the use of the 14 cemetery, but due to the flag shaped nature to the lot, 15 it -- we don't comply with that one-quarter mile 16 requirement. 17 HEARING EXAMINER ROBESON HANNAN: Okay. 18 MR. CRUM: Next up is lighting. And let me see. That 19 would be Exhibit 38-U. 20 HEARING EXAMINER ROBESON HANNAN: Just a second. 21 MR. CRUM: Sure. 22 HEARING EXAMINER ROBESON HANNAN: Okay. You should be 23 seeing it. 24 MR. CRUM: Yes. So this is a photometric analysis 25 that --</p>

Transcript of Hearing  
Conducted on July 30, 2021

40 (157 to 160)

<p>157</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Now, I've been told</p> <p>2 how to do this one. I guess I'll have to -- I can't see the</p> <p>3 footcandle measurements, but I'll take -- go ahead.</p> <p>4 MR. CRUM: You're going to have to zoom in really</p> <p>5 tight.</p> <p>6 So this is a photometric analysis that was prepared for</p> <p>7 the Applicant. It indicates the location of the lights, the</p> <p>8 site lights. And we've chosen fixtures that are -- that</p> <p>9 have cutoff lenses in the fixtures which project light</p> <p>10 downward. In no case does the footcandle value at the</p> <p>11 property line exceed .1 footcandles. The lights are placed</p> <p>12 along the access road, leading to the community building.</p> <p>13 We did not include lights on the two loop roads that</p> <p>14 serve only the cemetery uses primarily because, as was</p> <p>15 testified earlier, we intend the cemetery use to be a dawn</p> <p>16 to dusk kind of operation. But the community building may</p> <p>17 be used after dark so we've provided sufficient lighting to</p> <p>18 safely negotiate the cemetery roadway to the community</p> <p>19 building and the parking area. Again, the lights are full</p> <p>20 cutoff lenses. The table gives the number of lights and we</p> <p>21 comply with all the footcandle requirements.</p> <p>22 Lastly is the site signage. And that -- sorry, is</p> <p>23 Exhibit 21-A.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay. You can go</p> <p>25 ahead. It's going to pop up in Adobe without the screen --</p>	<p>159</p> <p>1 own septic system that will be approved by --</p> <p>2 MR. CRUM: Yes. Yes. The Department of Permitting</p> <p>3 Services requires that separate buildings have separate</p> <p>4 septic systems.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: Right.</p> <p>6 MR. CRUM: So this building will be served by a septic</p> <p>7 system in phase 1 and there will be a second septic system</p> <p>8 for the community building when it comes online in the rear.</p> <p>9 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>10 MR. KLINE: Thank you.</p> <p>11 MR. CRUM: Sure. They -- the maintenance buildings are</p> <p>12 both -- basically they are not Sears catalog buildings, but</p> <p>13 they are the next best thing. They are pre-manufactured</p> <p>14 structures and are very utilitarian. But we believe that</p> <p>15 they are well buffered as part of the overall development.</p> <p>16 So in conclusion, it's my opinion that the Applicant's</p> <p>17 proposal meets all of the requirements of the RC zone. It</p> <p>18 meets the requirements for the conditional use definition of</p> <p>19 a cemetery. It's compatible with the adjacent land uses.</p> <p>20 It won't have an adverse impact on the surrounding area.</p> <p>21 The gravesites are sufficiently set back from the</p> <p>22 surrounding properties to establish a buffer or a planted</p> <p>23 buffer will be established.</p> <p>24 Based on the water table testing that we did, both in</p> <p>25 2000 and 2001 or 2020 and 2021, there will be adequate</p>
<p>158</p> <p>1 MR. CRUM: Okay.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: -- to the side in a</p> <p>3 minute. But you can go ahead and testify.</p> <p>4 MR. CRUM: So the front fencing is designed to</p> <p>5 incorporate a sign at this point where it meets the</p> <p>6 requirements of the zoning ordinance for location size and</p> <p>7 details. It is not intended to be lit and no variance would</p> <p>8 be required. It's a simple sign that just identifies the</p> <p>9 cemetery name.</p> <p>10 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>11 MR. CRUM: And then, I guess the last thing is the</p> <p>12 two -- the maintenance buildings and the office building</p> <p>13 which are Exhibit 21-C, 21-D and 21-F.</p> <p>14 HEARING EXAMINER ROBESON HANNAN: Okay. This is C.</p> <p>15 MR. CRUM: Okay. So this is the office building. I'm</p> <p>16 testifying to this because the structural engineer that</p> <p>17 prepared these plans isn't here. It's a fairly basic</p> <p>18 building and as Mr. Eldadah testified earlier, and Mr. Kline</p> <p>19 indicated that if you leave the record open we'll give --</p> <p>20 provide some more definition for the materials on the</p> <p>21 elevations. But it's a single-story. It meets the zoning</p> <p>22 requirements for height, and you know, a relatively simple</p> <p>23 building.</p> <p>24 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>25 MR. KLINE: And before you leave that it will have its</p>	<p>160</p> <p>1 filtration of drainage between the burial depth and the high</p> <p>2 groundwater table. I believe -- it's my opinion that the</p> <p>3 proposal conforms with the recommendations of the Cloverly</p> <p>4 Master Plan. I think as far as adequate public facilities,</p> <p>5 public water is available. The community building will have</p> <p>6 a sprinkler system. There will be an on-site hydrant. All</p> <p>7 of the structures will be served with public water.</p> <p>8 We've received results from our percolation testing</p> <p>9 that demonstrate that we will have adequate septic systems.</p> <p>10 The Department of Permitting Services has approved our storm</p> <p>11 water management concept for the entire property. So storm</p> <p>12 drainage is taken care of. And any other public facilities</p> <p>13 adequacy will be tested during the preliminary subdivision</p> <p>14 plan process.</p> <p>15 It's my opinion that we comply with the PMA</p> <p>16 requirements. We comply with the development standards</p> <p>17 assuming that the one -- the two variances are granted. And</p> <p>18 the use will result in something that is consistent with the</p> <p>19 character of the surrounding neighborhood.</p> <p>20 MR. KLINE: Mr. Crum, are the conditions recommended in</p> <p>21 the staff report acceptable to the Applicant and would be</p> <p>22 deemed acceptable if the conditional use is granted?</p> <p>23 MR. CRUM: Yes.</p> <p>24 MR. KLINE: And last, without belaboring the issue, was</p> <p>25 there anything about the discussion you heard earlier in the</p>

Transcript of Hearing  
Conducted on July 30, 2021

41 (161 to 164)

<p>161</p> <p>1 dialogue with Mr. Putman that you have professional 2 exposure, experience to that you would like to add to that 3 discussion? 4 MR. CRUM: I guess the only thing that I would add is 5 regards to the impervious surfaces that we are proposing. I 6 think Mr. Putman began his statement with -- that the master 7 plan requires a 10 percent impervious surface cap. And we 8 do comply with that cap. If this property were used for 9 agriculture, which it could be, I think would be more 10 detrimental to the watershed than -- depending on the type 11 of agriculture that was proposed. But it could be more 12 detrimental to the watershed than a cemetery would be. 13 MR. KLINE: If the property was developed in accordance 14 with -- I'm sorry. If the property was developed as a 15 residential subdivision, I guess you could have eight 16 houses. A cluster is what, one house per 5 acres? 17 MR. CRUM: That's correct. 18 MR. KLINE: Am I right about that? Okay. 19 MR. CRUM: Yes. 20 MR. KLINE: So what eight houses likely have as much 21 imperviousness and maybe greater effluent discharge than 22 what we are going to get out of the cemetery? 23 MR. CRUM: Certainly from a septic system point of 24 view. I think there would be greater impacts to the 25 watershed with eight septic systems for six bedroom homes.</p>	<p>163</p> <p>1 story. But that's where we are and that's where your 2 property is. So that is not of your doing, but it is a 3 potential environmental mess. Thank you. 4 MR. CRUM: You're welcome. 5 MR. KLINE: No further questions. 6 HEARING EXAMINER ROBESON HANNAN: Okay. Do you have 7 another witness, Mr. Kline? 8 MR. KLINE: I have two more, but we're going to be 9 wrapping it up fairly soon. 10 HEARING EXAMINER ROBESON HANNAN: Okay. 11 MR. KLINE: Mr. Post, could you please put your face on 12 the screen and introduce yourself? 13 MR. POST: Do I need the -- am I on? 14 MR. KLINE: We can hear you. We can see you. 15 HEARING EXAMINER ROBESON HANNAN: I've got you. 16 MR. KLINE: Just give us your name, first of all. 17 MR. POST: David Post. 18 HEARING EXAMINER ROBESON HANNAN: Okay. Please raise 19 your right hand, Mr. Post. 20 Do you solemnly affirm under penalties of perjury that 21 the statements you're about to make are the truth, the whole 22 truth and nothing but the truth? 23 MR. POST: I do. 24 HEARING EXAMINER ROBESON HANNAN: Please state your 25 name, address, and email for the record.</p>
<p>162</p> <p>1 And the -- I mean, there would be an extensive driveway very 2 similar to what we have shown because we would have to 3 provide buyer access. And when there is a shared fire 4 access, it needs to be 20 feet wide, which is what the 5 cemetery roadway is. Then if you add all the roof areas of 6 eight dwellings and potential patios, swimming pools, the 7 kinds of things that you would find in a typical residential 8 development, it could easily exceed 10 percent impervious 9 surface. 10 MR. KLINE: Thank you. I have no further questions of 11 Mr. Crum. He is available for cross-examination. 12 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Putman or 13 anyone else, do you have any questions of Mr. Crum? 14 MR. PUTMAN: I guess I want to be sure that Mr. Crum 15 understood my impervious surface issue. It is not with this 16 property. I agreed that you are very close to the 10 17 percent impervious. My statement involved some of your 18 neighbors who far exceed the 10 percent imperviousness. And 19 when a heavy rain comes is going to run off their property 20 onto yours. And that combined with a heavy rain on your 21 property, I believe is going to float some of that stuff 22 that we don't want, down the hill, over the surface into the 23 water. 24 And how we got that much imperviousness on some of 25 those New Hampshire Avenue properties is a whole other</p>	<p>164</p> <p>1 MR. POST: David; D-A-V-I-D, Post; P—O-S-T, with the 2 MHG at 9220 Wightman Road, Suite 120 in Montgomery Village, 3 Maryland. Email address is DPost@MHGPA. 4 HEARING EXAMINER ROBESON HANNAN: Mr. Kline. 5 MR. KLINE: Mr. Post, what is your profession, sir? 6 MR. POST: I'm a landscape architect licensed in 7 Maryland, Virginia, DC. And I'm also a certified arborist. 8 MR. KLINE: And the Hearing Examiner always likes to 9 test witnesses by saying do you remember what your serial 10 number is, your certificate number as a certified -- 11 MR. POST: My Maryland license number is 615, which I 12 got 1985. And my arborist certification is MA5220A, which I 13 got in 2011. 14 MR. KLINE: All right. Mr. Post, have you ever 15 qualified as an expert in the field of landscape 16 architecture before the Office of Zoning and Administrative 17 Hearings in Montgomery County? 18 MR. POST: I have. 19 MR. KLINE: Recently? 20 MR. POST: In the 1980s. 21 MR. KLINE: 1980s? 22 MR. POST: Probably around 1989 I'm guessing. 23 MR. KLINE: Well, we will say that was the first time 24 probably, right? 25 MR. POST: That was the first time and maybe the only</p>

Transcript of Hearing  
Conducted on July 30, 2021

42 (165 to 168)

<p>165</p> <p>1 time.</p> <p>2 MR. KLINE: Okay. In any event, I'm glad to go through</p> <p>3 voir dire, but I would like to offer him as an expert in</p> <p>4 landscape architecture.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: Any objections?</p> <p>6 Hearing none, I will so qualify him.</p> <p>7 MR. KLINE: Mr. Post, again, I'm not going to ask you</p> <p>8 any specific questions, but you actually had a really</p> <p>9 critical role in this because as you've heard, we want to</p> <p>10 take this property back to being a forest after having taken</p> <p>11 back down all the forest. So I will start off by asking the</p> <p>12 question that Josh Penn asked you. Why do you want to take</p> <p>13 all the forest that's out there and knock it down and start</p> <p>14 all over again? Tell me what the advantages are to the</p> <p>15 cemetery and the public by doing that.</p> <p>16 MR. POST: It's an interesting process going through</p> <p>17 the forest conservation regulations. And being part of it</p> <p>18 since 1989 when we were first writing this state</p> <p>19 legislation -- or it's an act I guess. But it's been</p> <p>20 something that I've been doing for decades now. It's a</p> <p>21 great tool for doing site analysis.</p> <p>22 And it was the very first thing that we did on this</p> <p>23 site was to determine what kind of forest we are dealing</p> <p>24 with, what kind of streams we have and if there were any</p> <p>25 wetlands. Which by the way, none are mapped on this</p>	<p>167</p> <p>1 sites on the property. So over a period of decades, as Jack</p> <p>2 described, or Mr. Goodnoe described, we will clear some, we</p> <p>3 will reforest some, we will clear some more, we will</p> <p>4 reforest some.</p> <p>5 And that will take well into beyond most of our lives</p> <p>6 probably to -- all that to occur. So the trees that will</p> <p>7 get planted will be native to this area, Montgomery County,</p> <p>8 Maryland, and may include Tulip Poplars but more likely will</p> <p>9 be -- include other species that would be typical to the</p> <p>10 hardwood forest in this area and give it a lot more</p> <p>11 diversity than it currently has.</p> <p>12 HEARING EXAMINER ROBESON HANNAN: Have the plantings</p> <p>13 been identified yet? Or are you leaving those to -- are</p> <p>14 they in the final forest conservation -- or the PFCP? Or</p> <p>15 are you waiting?</p> <p>16 MR. POST: The actual tree species are not identified</p> <p>17 in the preliminary forest conservation plan.</p> <p>18 HEARING EXAMINER ROBESON HANNAN: Will they be in the</p> <p>19 final?</p> <p>20 MR. POST: Because the trees are not required to meet</p> <p>21 the forest conservation regulation, there is not a -- there</p> <p>22 won't be a required number of trees to be planted. So this</p> <p>23 is really at the volunteering -- I guess the client or the</p> <p>24 developer would be volunteering to plant these trees. So</p> <p>25 it's part of their --</p>
<p>166</p> <p>1 property, but we did find a small wetland area on the</p> <p>2 southern portion of the site when we were doing our</p> <p>3 fieldwork. We also survey a lot of trees, over 500 trees</p> <p>4 and that doesn't even include the ones in the floodplain,</p> <p>5 that are of a 24 inch caliper size and looking for what</p> <p>6 are -- the county describes as specimen trees. So that was</p> <p>7 part of the work that we did when we were out there. And it</p> <p>8 took weeks of fieldwork to get all that information.</p> <p>9 So what we discovered was that this was a forest that</p> <p>10 was obviously previously disturbed. The area closest to New</p> <p>11 Hampshire Avenue, most recently disturbed. We don't know</p> <p>12 exactly when because some of the trees are pretty large.</p> <p>13 But it's a typical Tulip Poplar forest that's almost 100</p> <p>14 percent Tulip Poplars as far as the canopy of this property</p> <p>15 is concerned. So we know that it was disturbed at some</p> <p>16 point. This type of forest would typically succeed into</p> <p>17 more of an oak, beech type of forest eventually. It might</p> <p>18 take another hundred years or something to do that, but</p> <p>19 that's sort of the process. So that's what this forest is</p> <p>20 in.</p> <p>21 We feel that this is a wonderful type of project for</p> <p>22 this type of site because of the way that the reforestation</p> <p>23 is implemented. And we are not clearing 12 acres to start</p> <p>24 with here. We are only clearing a few acres to build the</p> <p>25 first phase and clear for the first internment sites, burial</p>	<p>168</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Wouldn't that be on</p> <p>2 the landscape plan that?</p> <p>3 MR. POST: There are some landscape requirements. And</p> <p>4 we have a plan that does identify all of the plants that</p> <p>5 would be required for the landscape design.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: But -- okay. So you</p> <p>7 are showing the minimum required by the ordinance, but you</p> <p>8 are not showing what's actually going to be planted there?</p> <p>9 MR. POST: That's true. We're not showing every plant</p> <p>10 that will be planted eventually. That's true.</p> <p>11 MR. KLINE: We will probably have a list of the -- I</p> <p>12 guess a portfolio of trees that we will select and then</p> <p>13 maybe an individual person who wants a specific species</p> <p>14 close to the grave could pick it. We're not just going to</p> <p>15 leave it open. We're going to have some selected species,</p> <p>16 are we not?</p> <p>17 HEARING EXAMINER ROBESON HANNAN: Okay, because --</p> <p>18 MR. POST: There would be some guidelines.</p> <p>19 HEARING EXAMINER ROBESON HANNAN: Just a second, Mr.</p> <p>20 Klein. The only reason I ask is that Constellation Potomac</p> <p>21 Energy case that says I can't leave a landscape plan subject</p> <p>22 to -- these -- would you amend your -- would you have to</p> <p>23 amend your landscape plan for this?</p> <p>24 MR. POST: I don't believe so. If we provide what is</p> <p>25 required by the landscape plan but then wanted to change</p>

Transcript of Hearing  
Conducted on July 30, 2021

43 (169 to 172)

<p>169</p> <p>1 that, we would have to amend that plan. Does that answer 2 the question? 3 MR. KLINE: Ms. -- 4 HEARING EXAMINER ROBESON HANNAN: Yeah, but then you 5 would have to come in and amend the special exception. 6 MR. KLINE: Well, what I thought was we had a 7 preliminary forest conservation plan that said we will be 8 reforesting and they will come from this universe of trees 9 that are eligible. And maybe -- so that at least narrows 10 down the species. And does it not have some kind of 11 replanting rate also? 12 MR. POST: We have to provide a final forest 13 conservation plan. On the final forest conservation plan we 14 will indicate any trees that would be required to be 15 planted. 16 HEARING EXAMINER ROBESON HANNAN: Well, forget the 17 required part. Forget the required part because that's not 18 what the case law says. The case law says -- and we 19 typically condition all -- everything has to be developed in 20 accordance with the landscape plan and the -- so you are 21 adding -- I see Mr. Crum's hand up. You're going to be 22 adding trees. I've never -- I've never had this before. I 23 understand what you are saying. I understand the concept. 24 But I'm kind of approving -- do you have areas -- let me -- 25 Mr. Crum, do you want to jump in on this?</p>	<p>171</p> <p>1 illustrative example of the planting that would occur 2 relative to the gravesites that were going in. And it was 3 almost to be determined by the purchasers of the graves as 4 to what went in and where and when. 5 MR. POST: So the landscape plan requirements are 6 primarily for screening the parking lot and any incompatible 7 uses. 8 HEARING EXAMINER ROBESON HANNAN: The parking lot 9 building and site perimeter is what the landscape -- I'm 10 just thinking I don't want to create big problems. I 11 just -- I understand your concept. And it's nice that a 12 family is going to be able to choose. Are they going to 13 have a list of trees to use from? Or is there criteria for 14 these trees like native species; what is it? 15 MR. POST: The plan is to provide a list of native 16 species that they could choose from, yes. 17 HEARING EXAMINER ROBESON HANNAN: Okay. And are they 18 going to be -- are these areas -- they are just going to be 19 in the grave -- the areas marked for graves on your plan? 20 MR. POST: If you look at -- 21 HEARING EXAMINER ROBESON HANNAN: The plantings will be 22 in specific areas that are marked on your plans; is that 23 correct? 24 MR. POST: If you look at Exhibit 38-S it gives sort of 25 an example of what we think it would look like.</p>
<p>170</p> <p>1 MR. POST: We can show you the exhibit that we had put 2 together that shows where we would potentially plant the 3 trees if that -- 4 MR. CRUM: I guess -- I guess I just wanted to say, 5 let's not confuse a forest conservation plan with the 6 landscape plan. 7 MR. POST: Right. Right. 8 MR. CRUM: The landscape plan does identify the 9 species, how many trees we are planting as part of the 10 conditional use application. 11 HEARING EXAMINER ROBESON HANNAN: Right. 12 MR. CRUM: We're -- 13 HEARING EXAMINER ROBESON HANNAN: But you're not 14 showing every tree. (Inaudible) 15 MR. CRUM: We're showing all the trees that will be 16 planted as part of the landscape plan, as part of the 17 conditional use. 18 MR. POST: Which is Exhibit 38-R or 38-P. 19 HEARING EXAMINER ROBESON HANNAN: Well, I've got -- 20 I've got P loading. 21 MR. POST: Yeah. 22 MR. KLINE: And what I wanted to add, you might 23 remember on one of Mr. Goodnoe's exhibits when we did the 24 detail of this southwest corner, there was little box up at 25 the top that kind of showed what was a typical example or an</p>	<p>172</p> <p>1 HEARING EXAMINER ROBESON HANNAN: It's loading, just 2 for the record. That's -- 3 MR. POST: So since we haven't gotten to the detail of 4 laying out the actual burial sites, the idea was to create 5 spaces between various groups of gravesites that would be 6 used for tree planting, for example, and for the trail 7 system and things like that. 8 MR. KLINE: So are we waiting for 38-S right now? 9 Yeah. 10 HEARING EXAMINER ROBESON HANNAN: I have -- I'm trying 11 to pull up 38-S. 12 MR. KLINE: Yeah. 13 HEARING EXAMINER ROBESON HANNAN: Is that what you want 14 pulled up? 15 MR. POST: Yes. 16 HEARING EXAMINER ROBESON HANNAN: They transitioned me 17 to a county computer and it's not as good as mine. But 18 that's okay. I apologize for the delay. 19 MR. POST: We have the same problem sometimes. 20 HEARING EXAMINER ROBESON HANNAN: It's still not up. 21 Oh, here it's coming. 22 MR. POST: So in this exhibit, what we are showing are 23 rectangles to represent burial sites, and then green squares 24 that represent where trees may be planted. So when the 25 actual layout of the cemetery is done, those areas would be</p>

Transcript of Hearing  
Conducted on July 30, 2021

44 (173 to 176)

173	<p>1 specifically identified as locations for trees.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: Okay. I guess my</p> <p>3 question is, are those locations, the green squares, are</p> <p>4 they set in stone? Like we normally -- as you may know, we</p> <p>5 normally have conditions that say like all development has</p> <p>6 to be in compliance with the conditional use site plan and</p> <p>7 landscape plan. But these -- what I'm hearing from you is</p> <p>8 these locations are not set in stone.</p> <p>9 MR. POST: They have not been set in stone yet. So</p> <p>10 this is representational of what it would be.</p> <p>11 MR. KLINE: Madam Hearing Examiner, I'm back where Mr.</p> <p>12 Crum was a minute ago. And I can understand why you want us</p> <p>13 to make sure that we comply with anything we show on the</p> <p>14 landscaping plan. But we should have some -- be able to</p> <p>15 have some flexibility to plant trees beyond what we need to</p> <p>16 plant to satisfy the force conservation law and not have to</p> <p>17 nail it down at this point in time because they are</p> <p>18 gratuitous extra plantings and therefore shouldn't have to</p> <p>19 be locked in.</p> <p>20 HEARING EXAMINER ROBESON HANNAN: Are these part of</p> <p>21 the -- your forest conservation requirements or no?</p> <p>22 MR. POST: They are not.</p> <p>23 MR. KLINE: They are over and above.</p> <p>24 MR. POST: We are preserving enough existing forest to</p> <p>25 meet the requirements of the forest conservation regulation.</p>	175	<p>1 ahead.</p> <p>2 MR. KLINE: So --</p> <p>3 MR. POST: So --</p> <p>4 MR. KLINE: Go ahead. Go ahead, David. Sorry.</p> <p>5 MR. POST: Oh, I was just going to say, so we have a</p> <p>6 mixture of shade trees and evergreen trees and ornamental</p> <p>7 trees and shrubs all mostly native. I think it's all native</p> <p>8 species along the borders to provide the appropriate kind of</p> <p>9 buffering from the existing church on the north and the</p> <p>10 existing house on the south. And then along the New</p> <p>11 Hampshire Avenue section we've got planting along there to</p> <p>12 buffer the view from New Hampshire Avenue. And we are</p> <p>13 showing trees in the parking lot to provide adequate shading</p> <p>14 that's required there.</p> <p>15 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>16 MR. POST: We have to -- if you want to see the</p> <p>17 landscaping for the community building, that will be on</p> <p>18 another sheet. So we could go to that if you want to look</p> <p>19 at it.</p> <p>20 MR. KLINE: But is it visible from any off-site</p> <p>21 location?</p> <p>22 MR. POST: Is that land -- is that building?</p> <p>23 MR. KLINE: The community building, yeah.</p> <p>24 MR. POST: Well, it would be if you walked through the</p> <p>25 woods to the edge of the property.</p>
174	<p>1 MR. KLINE: It's purely an amenity as part of the</p> <p>2 burial program.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>4 MR. POST: So we called it reforestation, but is not</p> <p>5 really. It's more like memorial tree planting sort of.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: All right. Yeah. I</p> <p>7 guess -- okay. That's fine.</p> <p>8 MR. KLINE: Okay.</p> <p>9 HEARING EXAMINER ROBESON HANNAN: Go ahead.</p> <p>10 MR. KLINE: Okay.</p> <p>11 MR. POST: On that same exhibit, if you still have it</p> <p>12 up, it does show the landscaping that we are proposing</p> <p>13 around the front portion of the site and adjacent to the</p> <p>14 existing residence that's on the southern part of the</p> <p>15 property there.</p> <p>16 MR. KLINE: And that was intended to address the</p> <p>17 reference in the staff report to naturalizing the</p> <p>18 landscaping then you get a little bit better screening,</p> <p>19 correct?</p> <p>20 HEARING EXAMINER ROBESON HANNAN: Right. Was that the</p> <p>21 concrete batching plan? Or are those the RC zone</p> <p>22 (inaudible)?</p> <p>23 MR. POST: Well, we believe it's a tenant house for the</p> <p>24 concrete benching plan.</p> <p>25 HEARING EXAMINER ROBESON HANNAN: Okay. All right. Go</p>	176	<p>1 HEARING EXAMINER ROBESON HANNAN: Off-site. Off-site.</p> <p>2 MR. KLINE: Yeah. Well, at best, you would have to be</p> <p>3 probably somewhere in the parking lot of the church to the</p> <p>4 north before you would see the building?</p> <p>5 MR. POST: Yes.</p> <p>6 MR. KLINE: I'm trying to speed things up and I just</p> <p>7 didn't think that we'd have to --</p> <p>8 HEARING EXAMINER ROBESON HANNAN: Yeah, it's okay. We</p> <p>9 can -- it's fine. I understand what you're doing.</p> <p>10 MR. KLINE: Yeah, right. Well, in that regard then,</p> <p>11 let me make it simple. Mr. Post, does your forest</p> <p>12 conservation plan satisfy the requirements of Chapter 22A of</p> <p>13 the Montgomery County Code?</p> <p>14 MR. POST: Yes, it does.</p> <p>15 MR. KLINE: Okay. And does your landscaping plan</p> <p>16 satisfy all of the numerous landscaping requirements within</p> <p>17 59.6 point something or other with all the --</p> <p>18 HEARING EXAMINER ROBESON HANNAN: Five.</p> <p>19 MR. KLINE: Screening, perimeter, canopy? Are all the</p> <p>20 standard satisfied also?</p> <p>21 MR. POST: Yes, they are. In the parking lot</p> <p>22 requirements for interior landscaping are also satisfied.</p> <p>23 MR. KLINE: Thank you. So I therefore have no further</p> <p>24 questions of Mr. Post.</p> <p>25 HEARING EXAMINER ROBESON HANNAN: Okay. Anyone else?</p>

Transcript of Hearing  
Conducted on July 30, 2021

45 (177 to 180)

177	<p>1 Mr. Putman, do you have any questions of Mr. Post?</p> <p>2 MR. PUTMAN: I do not, thank you.</p> <p>3 HEARING EXAMINER ROBESON HANNAN: Thank you. Okay, Mr.</p> <p>4 Kline.</p> <p>5 MR. KLINE: Madam Hearing Examiner, can I take a step</p> <p>6 back question why somebody has brought me a note because</p> <p>7 somebody outside the office is monitoring this better than</p> <p>8 I'm able to and has pointed out that Mr. Crum may have</p> <p>9 indicated that the sign in the front is not going to be</p> <p>10 illuminated. Steve, is that what you said?</p> <p>11 HEARING EXAMINER ROBESON HANNAN: Yes, I think that is</p> <p>12 what he said.</p> <p>13 MR. CRUM: That is what I said.</p> <p>14 MR. KLINE: And I've been brought a note saying that</p> <p>15 apparently at some point in time the client decided that</p> <p>16 they would like to have illumination. Mr. Eldadah, maybe</p> <p>17 you could help us in this regard.</p> <p>18 DR. ELDADAH: Yes, I believe it was in our discussions</p> <p>19 that we wished to provide illumination within the limits</p> <p>20 that would be acceptable of the front sign as a way of</p> <p>21 indicating the presence of this --</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Has planning staff</p> <p>23 ever seen this proposal?</p> <p>24 MR. KLINE: No, they did not.</p> <p>25 HEARING EXAMINER ROBESON HANNAN: I don't mean to cut</p>
178	<p>1 you off.</p> <p>2 MR. KLINE: No, they -- it was presumably a decision</p> <p>3 made after staff had gotten going on the staff report.</p> <p>4 HEARING EXAMINER ROBESON HANNAN: Okay. Unfortunately,</p> <p>5 I've got to refer it as a proposal to them. So I'm required</p> <p>6 to. They don't trust me to make changes without them</p> <p>7 reviewing it.</p> <p>8 MR. POST: And so on --</p> <p>9 HEARING EXAMINER ROBESON HANNAN: Just a second. Mr.</p> <p>10 Putman, I see your hand up. Mr. Putman?</p> <p>11 MR. PUTMAN: Yes ma'am, while we're are on the subject</p> <p>12 of the sign, the sign that was shown a little while ago says</p> <p>13 Remembrance Park. But I thought we were having a hearing on</p> <p>14 Reflections Park. Can someone tell me what the difference</p> <p>15 is? Or are we talking about two different things?</p> <p>16 MR. KLINE: Sure. No, good question. Thank you for</p> <p>17 pointing that out. It just shows you that that exhibit goes</p> <p>18 back some time. When we embarked in the beginning of this,</p> <p>19 we were working on a working name for the park as</p> <p>20 Remembrance Park. As it turns out there is another</p> <p>21 Remembrance Park in Montgomery County and they asked us to</p> <p>22 come up with a name. And frankly the client took advantage</p> <p>23 of the opportunity, came up with something even closer to</p> <p>24 their -- the essence of what they are trying to accomplish.</p> <p>25 We just didn't -- work smart enough to change the language</p>
179	<p>1 on that. So it should read Reflection Park now.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: Now I had Mr. Post</p> <p>3 with a hand up as well. Mr. Post?</p> <p>4 MR. POST: I was just going to point out that on the</p> <p>5 photometric -- let's see, I forget what the exhibit number</p> <p>6 is. Exhibit 38-U, it does show up lights for the sign.</p> <p>7 MR. KLINE: Oh, okay. Wonderful. Can you be -- give</p> <p>8 us more detail? Ground mounted? Two lights? What?</p> <p>9 MR. POST: There are two ground mounted accent lights,</p> <p>10 13 watts each, by Hadco Lighting.</p> <p>11 MR. KLINE: With any cutoffs at all Mr. Eldadah? Do</p> <p>12 you want them shut off at any time, particular time? Or</p> <p>13 just on at all times?</p> <p>14 DR. ELDADAH: Our preference would be that they are</p> <p>15 illuminated all the time for any passes by to know that we</p> <p>16 exist.</p> <p>17 MR. KLINE: So we could put a -- we could put a timer</p> <p>18 on so that they can --</p> <p>19 HEARING EXAMINER ROBESON HANNAN: Wait. I don't see</p> <p>20 these -- just a second. I don't see the signs, the lights.</p> <p>21 MR. POST: Yeah, on Exhibit 38-U.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Hold on.</p> <p>23 MR. POST: Which is kind of small to see, but there are</p> <p>24 two dots in front of the sign.</p> <p>25 HEARING EXAMINER ROBESON HANNAN: Okay. Let me -- can</p>
180	<p>1 you describe where?</p> <p>2 MR. POST: Right there where your cursor just was, to</p> <p>3 the right.</p> <p>4 HEARING EXAMINER ROBESON HANNAN: This square?</p> <p>5 MR. POST: No, to the right where the -- to the north</p> <p>6 slightly. Right -- yeah, you are almost there.</p> <p>7 HEARING EXAMINER ROBESON HANNAN: Are they shown on</p> <p>8 this plan?</p> <p>9 MR. POST: Yeah, there is two. They're very hard to</p> <p>10 see because of the graphics are just small. There's two</p> <p>11 dots right in front of pier to the north side of the</p> <p>12 driveway. And those are the sign lights.</p> <p>13 MR. KLINE: The bolder line is the fence.</p> <p>14 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>15 MR. POST: Yes, and they're item -- the square with the</p> <p>16 arrow in it, it says there are two labeled AC1 on the plan.</p> <p>17 HEARING EXAMINER ROBESON HANNAN: Okay. All right.</p> <p>18 MR. KLINE: So we would like to correct our testimony.</p> <p>19 And yes, the lights in front will be illuminated. Or I'm</p> <p>20 sorry, the sign will be eliminated by two ground mounted</p> <p>21 lights with low, discrete lighting.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Okay. Now, just --</p> <p>23 where are they? Am I looking at --</p> <p>24 MR. KLINE: Go up. Go up. Scroll up. There you go.</p> <p>25 Those -- okay. So those are posts.</p>

Transcript of Hearing  
Conducted on July 30, 2021

46 (181 to 184)

<p>181</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Those are the pole 2 lights. 3 MR. POST: Yeah, they are very hard to read on here, 4 but they're shown right in front of the pier on the north 5 side of the driveway there is two sort of squares there that 6 look like blobs. 7 HEARING EXAMINER ROBESON HANNAN: Here? 8 MR. POST: Those, yeah. 9 HEARING EXAMINER ROBESON HANNAN: Here? 10 MR. POST: Yeah. 11 HEARING EXAMINER ROBESON HANNAN: Okay. 12 MR. POST: And I don't know why they don't have a 13 label. I should have caught that. 14 HEARING EXAMINER ROBESON HANNAN: Okay. Well, now we 15 know where we are. Or I know where you are. All right. So 16 there are -- we don't have to refer that back. 17 MR. KLINE: Thank you. 18 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, you still 19 have your hand up. Did you want to say something? 20 Mr. Putman? You are muted. 21 MR. PUTMAN: Am I lowered now? 22 HEARING EXAMINER ROBESON HANNAN: Yes. 23 MR. PUTMAN: Thank you. 24 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Kline, do 25 you want to go ahead?</p>	<p>183</p> <p>1 email for the record, please. 2 MS. TROCK: My name is Beyhan Trock. It spelled; 3 B-E-Y-H-A-N. The last name is; T-R-O-C-K. I live at 205 4 Normandy Drive in Silver Spring, Maryland. My email address 5 is BeyhanTrock@gmail.com. 6 HEARING EXAMINER ROBESON HANNAN: Okay. Thank you. 7 Mr. Klein? 8 MR. KLINE: Ms. Trock, what is your profession? 9 MS. TROCK: I'm an architect registered in Maryland. 10 MR. KLINE: And how long have you practiced 11 architecture? 12 MS. TROCK: I hate to say almost 48 years. 13 MR. KLINE: How about giving us maybe the last two or 14 three names of firms you been associated with that we would 15 recognize? 16 MS. TROCK: I was with DNC Architects. I was with 17 Sheila Brahms Architect. I was with Groopman and Parker 18 designing schools for -- 19 HEARING EXAMINER ROBESON HANNAN: Well, let me do this. 20 Are you licensed? Are you an architect licensed to practice 21 in Maryland? 22 MS. TROCK: Yes. 23 HEARING EXAMINER ROBESON HANNAN: Okay. Have you ever 24 testified as an expert witness before? 25 MS. TROCK: No. No.</p>
<p>182</p> <p>1 MR. KLINE: Well, I was finished with Mr. Post. So 2 I -- he is available for cross-examination if Mr. Putman has 3 any questions. 4 HEARING EXAMINER ROBESON HANNAN: Mr. Putman, do you 5 have any questions of Mr. Post? 6 MR. PUTMAN: No, I don't. His testimony was excellent. 7 HEARING EXAMINER ROBESON HANNAN: Okay. 8 Mr. Kline, do you want to call your next witness? 9 MR. KLINE: That would be Ms. Trock. Ms. Trock, would 10 you please introduce yourself and be sworn in? 11 MS. TROCK: Do you want -- yes. Can you hear me? 12 HEARING EXAMINER ROBESON HANNAN: I can hear, but I 13 need -- okay. I got you. 14 MS. TROCK: Yeah. Raise my hand first? Or should I 15 say who I am first? 16 HEARING EXAMINER ROBESON HANNAN: Just give me one -- 17 give me one moment. Okay. There we go. 18 MS. TROCK: Should I raise my hand? 19 HEARING EXAMINER ROBESON HANNAN: Thank you. Okay. 20 Now you can do it. Please raise your right hand. 21 Do you solemnly affirm under penalties of perjury that 22 the statements you're about to make are the truth, the whole 23 truth and nothing but the truth? 24 MS. TROCK: Yes, I do. 25 HEARING EXAMINER ROBESON HANNAN: Name, address, and</p>	<p>184</p> <p>1 HEARING EXAMINER ROBESON HANNAN: Does anyone have any 2 objections to qualifying Ms. Trock as an expert in 3 architecture? 4 Okay. Hearing none, I'm going to qualify her as an 5 expert in architecture. 6 MR. KLINE: Thank you. And in terms of giving out 7 thanks, I wanted to thank Ms. Trock for being so patient and 8 waiting this long because I was like to have architects up 9 early on because they add a lot of vitality and energy to 10 the project. But here we have the excitement of talking 11 about the necro-leachates. So I -- it got overwhelmed I'm 12 afraid in this case. 13 HEARING EXAMINER ROBESON HANNAN: That's my word of the 14 day. 15 MR. KLINE: Okay. 16 HEARING EXAMINER ROBESON HANNAN: Thank you, Mr. 17 Putman. 18 MR. KLINE: Mr. Putman, we all learn something today. 19 There is no question about it. 20 Ms. Trock -- 21 MS. TROCK: I do want to say, Mr. Putman, I'm so glad 22 that you're here. I was really interested in what you had 23 to say and to get added a lot to the conversation today. I 24 really appreciate you being here. So I just wanted to say 25 that.</p>

Transcript of Hearing  
Conducted on July 30, 2021

47 (185 to 188)

<p>185</p> <p>1 MR. PUTMAN: Thank you, young lady.</p> <p>2 MS. TROCK: You're welcome.</p> <p>3 MR. KLINE: Ms. Trock, would you explain the portfolio</p> <p>4 of buildings you were assigned to try and design? And tell</p> <p>5 us what kind of integration, or homogeneity, or</p> <p>6 compatibility you try to build into the very structures?</p> <p>7 And if you need either a site plan or your individual</p> <p>8 elevations, just let us know and the hearing examiner will</p> <p>9 pull them out.</p> <p>10 MS. TROCK: A site plan would be nice just to start</p> <p>11 with. I'm not sure what you'd --</p> <p>12 MR. KLINE: Yeah, the whole --</p> <p>13 MS. TROCK: Labeled the numbers of the site.</p> <p>14 MR. KLINE: If we could get Mr. --</p> <p>15 HEARING EXAMINER ROBESON HANNAN: I'm going to get --</p> <p>16 38-B.</p> <p>17 MR. KLINE: If -- I was going to suggest Mr. Crum's</p> <p>18 rendered site plan. I don't know what one that was.</p> <p>19 HEARING EXAMINER ROBESON HANNAN: Oh.</p> <p>20 MS. TROCK: Just the one that shows the buildings at</p> <p>21 the very front and also the larger building in the back.</p> <p>22 You're not going to see them very well because</p> <p>23 it's (inaudible).</p> <p>24 HEARING EXAMINER ROBESON HANNAN: I just need to know</p> <p>25 what exhibit.</p>	<p>187</p> <p>1 of what the cemetery stood for. So we wanted that first</p> <p>2 pavilion; we were calling it a gazebo at one time, to be</p> <p>3 a -- to have natural feel to it, natural materials, be open</p> <p>4 so that you can the past it to the cemetery and the trees</p> <p>5 beyond, and immediately let people know that they are</p> <p>6 entering a park that was -- that's it, a park, that you're</p> <p>7 entering a forest.</p> <p>8 And then of course you would stop off to the left and</p> <p>9 go to the office and talk about people in your family, et</p> <p>10 cetera. Or meet up with people that are going to go into</p> <p>11 the park together. But that was your first experience. And</p> <p>12 then you would start driving through the park very slowly</p> <p>13 meandering along the typography until you get to that</p> <p>14 roundabout. And that would have been the end of phase 1.</p> <p>15 And that's that we were thinking that at that point</p> <p>16 people would get out of their cars and actually be able to</p> <p>17 park there and start being able to walk into the trails all</p> <p>18 the way back until we started to develop the rest of the</p> <p>19 site. And as you keep going -- once we started to build the</p> <p>20 road to go up, you still meander. And if you stop right</p> <p>21 there at the crux or -- yeah, there is little parking spaces</p> <p>22 right there.</p> <p>23 That's your first view of the actual assembly hall. If</p> <p>24 you look up the hill you were see the assembly hall in front</p> <p>25 of you. And then you work your way up around the assembly</p>
<p>186</p> <p>1 MR. KLINE: Mr. Crum, can you help us? Do you remember</p> <p>2 which your rendered elevation site plan was?</p> <p>3 MR. CRUM: I'm working on it.</p> <p>4 MR. KLINE: Okay.</p> <p>5 THE COURT REPORTER: 46 -- no.</p> <p>6 (Crosstalk)</p> <p>7 HEARING EXAMINER ROBESON HANNAN: 42.</p> <p>8 MR. KLINE: Yeah, that --</p> <p>9 MS. TROCK: Maybe we don't even --</p> <p>10 MR. KLINE: 42.</p> <p>11 MS. TROCK: Maybe we don't need to show the site plan</p> <p>12 because if we just get to the -- (inaudible) the genesis of</p> <p>13 style and scale --</p> <p>14 HEARING EXAMINER ROBESON HANNAN: Okay. You should be</p> <p>15 able to see it. Wait a minute. There.</p> <p>16 MR. KLINE: All right. Okay.</p> <p>17 MS. TROCK: Okay. So if you zoom right into the</p> <p>18 middle, you can see were the main building is and that's on</p> <p>19 the flag.</p> <p>20 MR. KLINE: How about if we talk about them in the</p> <p>21 order of phases they are coming so you can talk about how</p> <p>22 you are building character?</p> <p>23 MS. TROCK: Okay. So when people come onto this site,</p> <p>24 they know that there's a cemetery here. But we believe that</p> <p>25 they need to be greeted with something that was indicative</p>	<p>188</p> <p>1 hall and go to the back of it and that's where the parking</p> <p>2 spaces are. So you go the other way, that way. Yeah. And</p> <p>3 you go into the parking spaces. And from those parking</p> <p>4 spaces is the front of the building where you will actually</p> <p>5 enter the building. And at that point we could -- I could</p> <p>6 go to a plan and show you what the building is all about.</p> <p>7 MR. KLINE: Yeah. We probably should get your</p> <p>8 elevations up now.</p> <p>9 MS. TROCK: Or the plan and the elevations would be</p> <p>10 great.</p> <p>11 HEARING EXAMINER ROBESON HANNAN: Okay. Can you give</p> <p>12 me an exhibit?</p> <p>13 MR. KLINE: I'm looking.</p> <p>14 HEARING EXAMINER ROBESON HANNAN: It's not visual PDF</p> <p>15 image?</p> <p>16 UNKNOWN SPEAKER: No. It should be up at the very</p> <p>17 beginning.</p> <p>18 UNKNOWN SPEAKER: They are at the top.</p> <p>19 MR. KLINE: Oh, okay. Yes, Exhibit 21.</p> <p>20 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>21 MS. TROCK: That's the entrance gate.</p> <p>22 UNKNOWN SPEAKER: E through H.</p> <p>23 MS. TROCK: This is the entrance pavilion. So this is</p> <p>24 the entrance pavilion. You can see it's 20 by 20. It's</p> <p>25 open on all four sides. It has a skylight at the top of it.</p>

Transcript of Hearing  
Conducted on July 30, 2021

48 (189 to 192)

<p>189</p> <p>1 So a tree will literally be growing inside the middle of 2 this pavilion. And there are benches on all four sides. 3 And above those benches are displays of things that are 4 coming up in the community, displays about green cemeteries 5 or trails that are in the park, anything that people might 6 be interested in as they meet, as they congregate for 7 walking on the trails or for meeting with people for burial 8 or for whatever reasons that they come there. But the 9 materials and the overhanging roof are an indication of the 10 building that they are going to see at the end, which is the 11 assembly hall. 12 HEARING EXAMINER ROBESON HANNAN: Okay. 13 MR. KLINE: And before you leave this discussion here, 14 you remember hearing Mr. Crum talk earlier about the plan 15 talking about 100 foot setback in order to have a rural feel 16 along the frontage. These buildings are close, but not 17 exactly at that. Can you talk about how their design still 18 lends to that rural, rustic character? 19 MR. PUTMAN: Well obviously, the materials because 20 we're going to be using maybe stone or brick for the base of 21 a lot of these posts and columns, and then wood columns 22 above that and then an overhanging roof. I'm not sure what 23 the materials are going to be of the roof, but the slope of 24 them obviously suggests residential architecture. Nothing 25 is going to be too tall. And also the overhanging roof also</p>	<p>191</p> <p>1 coming from the parking lot, this is what you would see. 2 The entrance is where you see the guy sort of on the left. 3 And of course we would have ADA accessible ramps to get up 4 to the building. 5 And what I tried to do is, the building is 25 feet to 6 the top, which is not really very tall for a building that's 7 going to hold 200 people in assembly. But we also broke 8 down the scale of the building by putting smaller pieces 9 with smaller roofs so that the building was sit on the 10 landscape comfortably so they wouldn't feel like just a big 11 commercial building sitting on top of the building -- I 12 mean, of the land. 13 And then the one below is a façade looking from down 14 the hill looking back up at the community building, the one 15 below. And then I would really like to take you to the 16 plan, which is the first drawing, the one top left. Yeah. 17 So just to orient you, where the cars are is for you 18 get dropped off. And you walk up to the building and you go 19 past and entrance. And that big thing with all the circles 20 in it is the assembly hall. And those are -- this hall will 21 hold maybe 200 people seated. I'm showing 160 people 22 sitting at tables there. And surrounding that assembly hall 23 are all of the spaces that support that assembly hall. On 24 the left you have the spaces that don't have windows on the 25 really like the kitchen area, the body preparation area, the</p>
<p>190</p> <p>1 suggests shade and shelter, which we think is really 2 important for any building in a site like this. 3 HEARING EXAMINER ROBESON HANNAN: Okay. And do you 4 have -- 5 MS. TROCK: The next one is -- 6 MR. KLINE: Yeah, we'll -- 7 MS. TROCK: No, we will probably -- not that one. 8 Probably D. No, not D, H. D and H. 9 MR. KLINE: Yeah, right. 10 MS. TROCK: Yeah. 11 MR. KLINE: Because this is clearly the building that 12 got the most architecture associated with it. And now 13 you've got the floor plan. So maybe we ought to look at the 14 outside first? 15 MR. PUTMAN: Yeah, so scroll down to the ones below. 16 Oh, you were in there. Could you just scroll to them? 17 Because they were -- all four of them -- 18 HEARING EXAMINER ROBESON HANNAN: Hold on. Hold on. 19 Hold on. Do you want the large maintenance building? 20 MR. KLINE: No, we want within E and H community 21 building plans. There should be four of them -- 22 HEARING EXAMINER ROBESON HANNAN: Oh, I'm sorry. 23 MR. KLINE: There you go. There we go. Great. 24 MS. TROCK: Well, the one on top, the drawing on top is 25 actually what the entrance façade looks like. When you are</p>	<p>192</p> <p>1 bathrooms, coat closets, mechanical. 2 But on the front at the top or people most will see 3 things first, you will see a library, the entrance lobby, 4 the office, and also meditation room. And then off to the 5 right as you keep going, you actually exit the building 6 under a pergola and you're outside. And what I wanted to 7 show you here is that those little spaces each have some 8 sort of a patio or outdoor space, an outdoor room so that 9 you always feel that when you are inside this building you 10 are also sort of outside the building. 11 That's why the assembly hall, the whole wall at the 12 bottom of it is glass so that you are looking out over the 13 landscape. And I can show you that in number 3, the sheet 14 number 3. That's the façade that you would see of the 15 assembly hall. So you can see there is plenty of light. 16 There is plenty of openness so that you are witnessing the 17 trees, the landscape, the sun, and you are part of the 18 experience of being in this park. 19 I think it's really important that outside and inside 20 are very connected here. I think it's also important to use 21 natural materials that are serene, that are harmonious with 22 the landscaping. Also that the scale is nothing -- I 23 already talked about it -- is nothing too confrontational, 24 for lack of a better word. And the colors are also like 25 trees, and like wood so just something more natural. And if</p>

Transcript of Hearing  
Conducted on July 30, 2021

49 (193 to 196)

<p>193</p> <p>1 you go to the last one, number 4, it's cutting a section 2 through it so you can see what the inside would feel like 3 being inside that space and how they -- the support spaces 4 are lower in scale obviously, lower ceilings. And at the 5 bottom, that's what the building looks like on the site. 6 You can see it sits at the -- what did you call it? It's a 7 wonderful word for the top of that hill. I think it's a 8 perfect location for it.</p> <p>9 MR. KLINE: You must have talked to Mr. Goodnoe about 10 his idea of using meadows and everything since you're using 11 a prairie school style of architecture to blend in with his 12 idea of the ground plane.</p> <p>13 MS. TROCK: Yeah, that's exactly right. Frank Lloyd 14 Wright had this prairie school of design that I thought was 15 just really beautiful where overhangs sort of reach out to 16 landscape and create shelter for you while you are outside 17 and cool places to stand. I think it's a very serene style 18 of architecture and I think it works really beautifully 19 here.</p> <p>20 MR. KLINE: Ms. Trock, in your professional opinion, 21 does this building embody or incorporate elements that you 22 would find in houses in the surrounding area? Is not an 23 industrial or commercial building. It's got residential 24 elements in the design?</p> <p>25 MS. TROCK: Yeah, absolutely. I've been doing</p>	<p>195</p> <p>1 one, but you can see the urns on the low walls in front. On 2 the right side you can see where those people are standing. 3 Yeah. So those people are actually outside underneath a 4 roof and the walls are actually holding them in the room 5 where they are standing.</p> <p>6 And on the left side where you see that red line, that 7 person is standing out on the back deck. The whole façade 8 facing the -- down the hill is a deck so that people can 9 also congregate out there. We wanted the space -- we wanted 10 the space to be a community space that was spiritual, but 11 not particularly religious. Just a place where you could 12 feel that you had community because they are going to be 13 community meetings in this building as well. There are 14 going to be lectures in this building. There are going to 15 be talks about the direction of how we treat death in our 16 society. Things like that.</p> <p>17 But also the library I think is important, that people 18 can split up in groups if they want to, to get into smaller 19 places like the library, the meditation room, to have 20 smaller discussions about the experience of death and what's 21 happening to the family. Things like that.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Kline, is 23 there anything else?</p> <p>24 MR. KLINE: No, you were exactly right. I thought Ms. 25 Trock's comments were just a nice way to wrap up our</p>
<p>194</p> <p>1 residential architecture on my own for about 14 years now. 2 And these are the materials that I use when I really want a 3 house to sort of sink back into the landscape. You know, 4 for clients who really don't want the building to stand out 5 too much but still want them to be pretty, this is the style 6 that I go for. Low walls on the outside, overhanging roofs, 7 low sloped roofs, yes.</p> <p>8 And also the scale that nothing is too big. So that 9 you can sort of tell how big a person is in relationship to 10 this building. You don't have these huge, huge windows, but 11 all the windows are broken down into scales that we can sort 12 of feel, that relate to a human being.</p> <p>13 MR. KLINE: Do you feel that the structures you've 14 talked about today are harmonious with the character of the 15 built environment surrounding the subject property?</p> <p>16 MS. TROCK: I do, especially the low walls that are 17 around the building. The low walls are going to be of stone 18 that we probably will find on site. And the low walls will 19 also have planters on top of urns with all types of 20 vegetation so that it will feel almost like vegetation is on 21 top of the building or that the building is going out of the 22 vegetation itself, which I think is going to be really nice.</p> <p>23 You can see the planters on the far left on the top 24 one. Those walls are important to sort of acclimate you to 25 where you're going. Oh, I didn't draw any plans on this</p>	<p>196</p> <p>1 presentation. And we -- that does complete our 2 presentation. She is available to answer any questions that 3 Mr. Putman might have.</p> <p>4 HEARING EXAMINER ROBESON HANNAN: Mr. Putman?</p> <p>5 MR. PUTMAN: I have none. It's a lovely presentation. 6 I hope on the south side you will extend the overhang so 7 that it blocks the high summer sun, but allows the low 8 winter sun to give you some solar beam.</p> <p>9 MS. TROCK: Exactly. You will see that under the small 10 windows at the top there's going to be an overhang, another 11 overhang. So there will be two overhangs because I know 12 exactly what you're talking about. And that --</p> <p>13 MR. PUTMAN: It's a lovely -- a lovely design. Thank 14 you.</p> <p>15 MS. TROCK: Thank you.</p> <p>16 MR. KLINE: Madam Hearing Examiner --</p> <p>17 HEARING EXAMINER ROBESON HANNAN: Anything else?</p> <p>18 MR. KLINE: That completes the Applicant's 19 presentation.</p> <p>20 HEARING EXAMINER ROBESON HANNAN: Okay. With that, Mr. 21 Kline, do you want to make a closing statement? Or does Mr. 22 Putman want to make a closing statement?</p> <p>23 MR. KLINE: Well, I will go first, I guess. And that 24 is -- I think it was Haroon who used the comment about the 25 intense amount of time that had been spent on basically --</p>


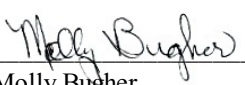
Transcript of Hearing  
Conducted on July 30, 2021

50 (197 to 200)

197	<p>1 the gestation period of his plan to go long time but they</p> <p>2 really wanted to invest in the physical aspects of it, their</p> <p>3 mission, and to accomplish that. So it's a very unique</p> <p>4 situation. I think Mr. Putman has brought to our attention</p> <p>5 a risk that could exist. And hopefully the presentation</p> <p>6 today showed how we anticipated that and did everything we</p> <p>7 needed to do in order to address it, and certainly all of</p> <p>8 the public agencies who looked at it agreed with that.</p> <p>9 This is only one step in the process. Actually, the</p> <p>10 preliminary plan and subdivision that will follow will</p> <p>11 probably in some ways get into more of the details of the</p> <p>12 environmental water quality issues themselves. But I hope</p> <p>13 that you agree that the thought that's gone into this and</p> <p>14 the scrutiny of the subject matter and the importance of</p> <p>15 protecting the watershed has been incorporated in the</p> <p>16 design, and that you find that it meets the standards of the</p> <p>17 zoning ordinance and the master plan, and would ask that</p> <p>18 you -- I'm sorry -- that you publish a report approving the</p> <p>19 application.</p> <p>20 HEARING EXAMINER ROBESON HANNAN: Okay. Mr. Putman,</p> <p>21 final words?</p> <p>22 MR. PUTMAN: The presentation has been excellent. The</p> <p>23 witnesses are very capable, obviously. And Mr. Kline has</p> <p>24 orchestrated this like a symphony conductor. And you have</p> <p>25 aided and abetted him when he missed anything. So this has</p>	199	<p>1 at it.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: Well, why don't we</p> <p>3 just send it to Patrick Butler?</p> <p>4 MR. KLINE: Sure. Sure. We will do so.</p> <p>5 HEARING EXAMINER ROBESON HANNAN: And let him -- that's</p> <p>6 why he gets paid the big -- no.</p> <p>7 MR. KLINE: Okay, very good.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: Don't -- I didn't say</p> <p>9 that.</p> <p>10 MR. KLINE: I understand.</p> <p>11 HEARING EXAMINER ROBESON HANNAN: He does (inaudible).</p> <p>12 MR. KLINE: But no, that --</p> <p>13 HEARING EXAMINER ROBESON HANNAN: He works hard for his</p> <p>14 money and that's the truth.</p> <p>15 MR. KLINE: But the completeness of the presentation</p> <p>16 today is borne out by the fact that only had to give you one</p> <p>17 thing after the hearing. And normally there is a longer</p> <p>18 list than that.</p> <p>19 HEARING EXAMINER ROBESON HANNAN: You're killing me Mr.</p> <p>20 Kline. Okay. That's -- okay. So how long do you think you</p> <p>21 will need to get the rendering into me and --</p> <p>22 MR. KLINE: Sure.</p> <p>23 HEARING EXAMINER ROBESON HANNAN: You should send it to</p> <p>24 OZHA and Mr. Butler and --</p> <p>25 MR. KLINE: Sure. And Mr. Putman.</p>
198	<p>1 been my first experience with a conditional use hearing.</p> <p>2 It's been very informative. I will rethink my objections,</p> <p>3 but I don't think I will change them because the European</p> <p>4 data is so far ahead of the U.S. data in this regard. But I</p> <p>5 think it's a risk we don't need to take.</p> <p>6 HEARING EXAMINER ROBESON HANNAN: Okay.</p> <p>7 MR. PUTMAN: Thank you for the opportunity to speak.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: And thank you for</p> <p>9 your time and presence and education.</p> <p>10 Mr. Kline, do you -- you get the last word before we</p> <p>11 talk about submittals and the date the record will close.</p> <p>12 MR. KLINE: Nothing to add. We've been talking for 6</p> <p>13 almost 7 hours I guess about this. I think you know</p> <p>14 everything you need to know. I believe I owe you a copy of</p> <p>15 what we would like to have as the office in the front, to</p> <p>16 incorporate that in the record.</p> <p>17 HEARING EXAMINER ROBESON HANNAN: And you have to send</p> <p>18 that to staff too.</p> <p>19 MR. KLINE: Okay.</p> <p>20 HEARING EXAMINER ROBESON HANNAN: And I can just see if</p> <p>21 they have any comments. They may not.</p> <p>22 MR. KLINE: Very good. I might add, as you may know,</p> <p>23 Ms. Testay has told me she is retiring at the end of the</p> <p>24 month of August and is on vacation for much of August. So I</p> <p>25 may have to do a little work to find somebody to take a look</p>	200	<p>1 MR. PUTMAN: Putman, yes.</p> <p>2 MR. KLINE: Yeah, sure. Well, I would say probably</p> <p>3 Basil could answer the question, but probably I would get it</p> <p>4 done by Tuesday or Wednesday. And I think I can get you a</p> <p>5 response within the 10 days you normally ask for for the</p> <p>6 printing of the transcript. I think that's fairly</p> <p>7 straightforward.</p> <p>8 HEARING EXAMINER ROBESON HANNAN: But I need to give</p> <p>9 time for them to comment. I have the 10 days expiring --</p> <p>10 maybe I miscounted -- August 9. Yeah, August 9.</p> <p>11 MR. KLINE: Yeah.</p> <p>12 HEARING EXAMINER ROBESON HANNAN: So if you got it in</p> <p>13 by the 3rd, I can ask for any comments by the 6th.</p> <p>14 MR. KLINE: Okay. More than likely, Mr. Butler will</p> <p>15 call you back or listen to you then he will than me. But</p> <p>16 I'll -- I think -- Basil, am I correct that you can get me</p> <p>17 something I can transmit it by Tuesday?</p> <p>18 DR. ELDADAH: Yes, that should work. Just to clarify,</p> <p>19 you're looking simply for a representational picture or</p> <p>20 the --</p> <p>21 MR. KLINE: Yeah, sure. Ideally --</p> <p>22 HEARING EXAMINER ROBESON HANNAN: I thought it was</p> <p>23 going to be an elevation that you were submitting.</p> <p>24 MR. KLINE: Ideally, all four sides of the office</p> <p>25 building.</p>

Transcript of Hearing  
Conducted on July 30, 2021

51 (201 to 204)

<p>201</p> <p>1 DR. ELDADAH: Okay.</p> <p>2 HEARING EXAMINER ROBESON HANNAN: And the office</p> <p>3 building, which one are we -- we are talking about the one</p> <p>4 in the front?</p> <p>5 MR. KLINE: Correct.</p> <p>6 MR. CRUM: The smallest.</p> <p>7 HEARING EXAMINER ROBESON HANNAN: Nearest New</p> <p>8 Hampshire?</p> <p>9 MR. KLINE: Correct.</p> <p>10 MR. CRUM: That's correct, the small office building.</p> <p>11 HEARING EXAMINER ROBESON HANNAN: Okay. So when can</p> <p>12 you get that?</p> <p>13 MR. KLINE: Mr. Eldadah indicates he can probably get</p> <p>14 it to me by Tuesday and I can get it to Park and Planning</p> <p>15 and everybody else on the same day.</p> <p>16 HEARING EXAMINER ROBESON HANNAN: Well, I will give</p> <p>17 Patrick a heads up as to what's going on and then we will</p> <p>18 plan on that and I'll try to get comments. I guess I could</p> <p>19 wait until the 9th for the comments.</p> <p>20 MR. KLINE: Yeah.</p> <p>21 HEARING EXAMINER ROBESON HANNAN: And anybody else's</p> <p>22 comments. Mr. Putman, if you want to comment on the</p> <p>23 exterior of this building, you're more than welcome.</p> <p>24 I see your hand up. Is that Ms. Trock? You're muted</p> <p>25 Ms. Trock.</p>	<p>203</p> <p>1 CERTIFICATE OF COURT REPORTER</p> <p>2 I, Jesse Greer, the officer</p> <p>3 before whom the foregoing proceedings were taken,</p> <p>4 do hereby certify that said proceedings were</p> <p>5 electronically recorded by me; and that I am</p> <p>6 neither counsel for, related to, nor employed by</p> <p>7 any of the parties to this case and have no</p> <p>8 interest, financial or otherwise, in its outcome.</p> <p>9</p> <p>10 </p> <p>11 _____</p> <p>12 Jesse Greer</p> <p>13</p> <p>14</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p>
<p>202</p> <p>1 MS. TROCK: I wanted to correct the record. Is not 48</p> <p>2 years I've been an architect. It was 38 years (inaudible).</p> <p>3 MR. PUTMAN: Yeah, I was working on that math.</p> <p>4 HEARING EXAMINER ROBESON HANNAN: You're shortchanging</p> <p>5 yourself.</p> <p>6 Now, I lost my train of thought. So we will leave it</p> <p>7 at that way. If you could get me the rendering by the 3rd,</p> <p>8 then I can ask for comments by the 9th. And then I should</p> <p>9 have the transcript. And for everyone, just a reminder. If</p> <p>10 you -- the transcript will be posted on our website. And I</p> <p>11 have 30 days from August 9th to write a decision. If you</p> <p>12 disagree with my decision, you can request an appeal to the</p> <p>13 Board of Appeals. And it will have instructions and how to</p> <p>14 contact the Board of Appeals.</p> <p>15 You're smiling Mr. Kline.</p> <p>16 MR. KLINE: I'm going to be talking a lot about you</p> <p>17 next Wednesday at the Board of Appeals.</p> <p>18 HEARING EXAMINER ROBESON HANNAN: Okay. Thank you.</p> <p>19 Thank you, very much everyone. Mr. Putman, it was a</p> <p>20 pleasure.</p> <p>21 MR. KLINE: Very educational.</p> <p>22 HEARING EXAMINER ROBESON HANNAN: I will look forward</p> <p>23 to the plans. Thank you.</p> <p>24 MR. PUTMAN: Thank you.</p> <p>25 (The recording was concluded at 4:05 p.m.)</p>	<p>204</p> <p>1 CERTIFICATE OF TRANSCRIBER</p> <p>2 I, Molly Bugher, do hereby certify that the foregoing</p> <p>3 transcript is a true and correct record of the recorded</p> <p>4 proceedings; that said proceedings were transcribed to the</p> <p>5 best of my ability from the audio recording as provided; and</p> <p>6 that I am neither counsel for, related to, nor employed by</p> <p>7 and of the parties to this case and have no interest,</p> <p>8 financial or otherwise, in its outcome.</p> <p>9</p> <p>10</p> <p>11 </p> <p>12 _____</p> <p>13 Molly Bugher</p> <p>14 Date: August 10, 2021</p> <p>15</p> <p>16</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>21</p> <p>22</p> <p>23</p> <p>24</p> <p>25</p>

A			
<b>a-d</b>	<b>accent</b>	<b>acre</b>	37:10, 39:12,
38:14	179:9	34:13, 34:16,	45:9, 48:6,
<b>a-r-z</b>	<b>accept</b>	34:18, 43:4,	48:8, 48:13,
38:14	109:1, 120:8,	43:9, 85:10,	51:20, 58:6,
<b>a-s-i-l</b>	121:24	85:25	70:13, 71:22,
41:1	<b>acceptable</b>	<b>acres</b>	87:10, 88:3,
<b>abandoned</b>	64:24, 65:11,	29:6, 34:5,	95:24, 97:14,
39:9	113:20, 127:17,	37:7, 85:8,	111:6, 115:12,
<b>abetted</b>	128:2, 160:21,	141:14, 150:3,	115:19, 115:20,
197:25	160:22, 177:20	151:9, 151:10,	116:7, 116:19,
<b>ability</b>	<b>access</b>	151:13, 161:16,	124:12, 124:18,
51:8, 103:21,	86:12, 89:10,	166:23, 166:24	124:19, 126:1,
128:9, 204:5	90:3, 141:22,	<b>across</b>	132:24, 165:8,
<b>able</b>	157:12, 162:3,	43:6, 44:21,	168:8, 187:16,
5:7, 5:21,	162:4	50:1, 58:3,	188:4, 190:25,
36:24, 39:17,	<b>accessible</b>	70:17, 87:18,	192:5, 195:3,
43:1, 61:12,	191:3	91:19, 91:20,	195:4, 197:9
61:13, 61:16,	<b>accidents</b>	134:13, 144:24	<b>ada</b>
66:14, 71:12,	53:15	<b>act</b>	191:3
91:9, 105:19,	<b>acclimate</b>	54:4, 100:21,	<b>add</b>
113:2, 113:19,	194:24	165:19	47:5, 99:16,
114:3, 114:4,	<b>accommodate</b>	<b>acta</b>	131:13, 137:3,
147:3, 151:22,	66:12	16:8, 46:15	161:2, 161:4,
171:12, 173:14,	<b>accommodating</b>	<b>acted</b>	162:5, 170:22,
177:8, 186:15,	86:4	11:25	184:9, 198:12,
187:16, 187:17	<b>accompany</b>	<b>active</b>	198:22
<b>above</b>	95:9, 101:17	14:2, 115:8,	<b>added</b>
53:25, 98:4,	<b>accomplish</b>	115:17, 116:4	184:23
142:21, 143:1,	59:5, 151:1,	<b>activities</b>	<b>adding</b>
143:5, 173:23,	178:24, 197:3	63:22, 65:3,	169:21, 169:22
189:3, 189:22	<b>accomplishing</b>	65:16, 65:21,	<b>addition</b>
<b>absolutely</b>	148:2	65:23, 66:17,	45:12, 47:2,
17:22, 98:9,	<b>accordance</b>	66:20, 66:22,	66:21, 66:22
114:15, 140:15,	110:3, 154:21,	111:10, 111:25	<b>additional</b>
193:25	161:13, 169:20	<b>activity</b>	64:6, 64:17,
<b>absorb</b>	<b>accumulated</b>	65:20	64:18, 69:15,
66:14	20:1	<b>acts</b>	70:12, 88:1,
<b>absorbed</b>	<b>accurate</b>	56:2, 83:5	99:21, 126:12,
48:16	36:21	<b>actual</b>	127:4, 148:3
<b>abundance</b>	<b>accurately</b>	42:6, 42:24,	<b>address</b>
38:1	16:2	65:23, 127:16,	5:19, 5:20,
<b>abutting</b>	<b>achieve</b>	167:16, 172:4,	5:23, 5:24,
150:9	150:25, 154:20	172:25, 187:23	7:20, 8:19,
<b>ac1</b>	<b>acquainted</b>	<b>actually</b>	10:11, 11:3,
180:16	124:13	6:7, 8:2,	11:5, 11:23,
<b>academic</b>	<b>acquired</b>	21:20, 25:8,	14:15, 18:22,
19:15	154:25	31:4, 33:2,	26:7, 26:16,
	<b>acquiring</b>	35:24, 37:8,	28:15, 29:4,
	155:14		

<p>29:7, 30:2, 31:3, 37:24, 38:9, 38:16, 40:24, 41:1, 41:2, 42:3, 49:15, 49:16, 52:6, 52:7, 69:16, 71:10, 71:12, 73:18, 99:17, 99:18, 99:20, 99:23, 107:18, 119:4, 140:5, 140:7, 163:25, 164:3, 174:16, 182:25, 183:4, 197:7 <b>addressed</b> 28:1, 40:1, 58:17, 68:7, 68:11 <b>addressing</b> 42:3, 55:18, 114:20 <b>adequacy</b> 102:12, 160:13 <b>adequate</b> 102:9, 122:15, 123:15, 124:4, 125:1, 131:24, 145:20, 159:25, 160:4, 160:9, 175:13 <b>adequately</b> 124:6 <b>adhere</b> 70:19, 70:20 <b>adhered</b> 51:12 <b>adhesives</b> 35:15, 42:13, 45:15 <b>adjacency</b> 11:17 <b>adjacent</b> 17:11, 88:2, 134:23, 144:14, 159:19, 174:13 <b>adjoining</b> 12:12, 58:10,</p>	<p>150:9, 155:14 <b>adjoins</b> 144:15 <b>administrative</b> 1:1, 9:11, 164:16 <b>admit</b> 137:15 <b>adobe</b> 157:25 <b>adult</b> 13:16, 16:16, 46:19, 46:20 <b>advantage</b> 7:25, 59:25, 61:14, 61:17, 67:1, 67:8, 67:13, 178:22 <b>advantages</b> 165:14 <b>adverse</b> 44:25, 98:9, 159:20 <b>adversely</b> 17:12, 71:22 <b>aerial</b> 143:18 <b>aesthetic</b> 89:4 <b>aesthetically</b> 85:14 <b>affect</b> 17:12 <b>affected</b> 48:3 <b>affects</b> 83:21 <b>affiliated</b> 11:9 <b>affirm</b> 10:14, 28:24, 38:3, 73:13, 107:12, 118:24, 139:22, 163:20, 182:21 <b>afraid</b> 184:12 <b>after</b> 4:7, 4:17,</p>	<p>7:10, 8:10, 29:14, 43:21, 46:6, 46:17, 50:4, 52:4, 86:16, 136:14, 139:1, 139:4, 139:7, 139:11, 153:9, 157:17, 165:10, 178:3, 199:17 <b>afternoon</b> 7:12, 106:12, 107:19, 110:19 <b>again</b> 6:9, 6:20, 6:23, 17:24, 32:5, 38:7, 48:3, 56:23, 66:9, 88:25, 89:8, 104:22, 113:24, 114:1, 118:3, 119:12, 120:12, 138:16, 139:8, 143:11, 145:18, 149:1, 153:1, 157:19, 165:7, 165:14 <b>age</b> 46:21 <b>agencies</b> 22:15, 197:8 <b>agency</b> 41:19 <b>agent</b> 48:1, 101:15 <b>agents</b> 15:19, 47:21, 47:24, 48:4, 48:5, 48:9, 52:19, 53:2, 53:3, 53:5, 53:8, 53:10, 53:11, 55:21, 55:25, 57:3, 57:11, 98:19, 98:24, 100:13, 100:16, 100:18, 101:17, 101:25,</p>	<p>115:24, 116:10, 116:14 <b>ages</b> 52:9 <b>ago</b> 12:1, 22:22, 124:11, 173:12, 178:12 <b>agree</b> 8:4, 13:18, 23:5, 40:6, 56:25, 57:9, 104:1, 117:11, 117:12, 118:3, 137:5, 144:8, 197:13 <b>agreed</b> 63:22, 151:22, 162:16, 197:8 <b>agreeing</b> 30:22 <b>agreement</b> 87:15 <b>agricultural</b> 143:19, 146:11, 146:14, 146:16, 152:12, 152:16, 152:18, 152:20, 152:23, 152:24 <b>agriculture</b> 152:13, 161:9, 161:11 <b>ahead</b> 5:13, 7:6, 7:9, 10:10, 10:11, 27:11, 31:7, 31:25, 38:20, 38:24, 40:12, 40:13, 41:4, 45:25, 48:17, 54:23, 56:9, 63:25, 76:11, 76:13, 83:18, 96:12, 96:22, 107:16, 108:12, 108:13, 114:22, 118:13, 121:19, 121:25, 122:8,</p>
--	--	---	---

124:2, 129:16, 140:16, 141:11, 142:11, 146:7, 149:12, 157:3, 157:25, 158:3, 174:9, 175:1, 175:4, 181:25, 198:4 <b>aided</b> 197:25 <b>air</b> 59:21, 79:10 <b>akin</b> 62:24 <b>alan</b> 22:6, 22:11, 22:19 <b>alaska</b> 74:16 <b>alignment</b> 19:22 <b>alive</b> 72:11 <b>allow</b> 7:19, 27:12, 28:12, 43:10, 43:16, 66:23 <b>allowed</b> 90:6, 151:22, 155:12 <b>allowingthe</b> 48:25 <b>allows</b> 17:9, 43:24, 43:25, 196:7 <b>alluded</b> 44:23 <b>almost</b> 30:17, 33:24, 56:25, 149:18, 166:13, 171:3, 180:6, 183:12, 194:20, 198:13 <b>alone</b> 11:12 <b>along</b> 20:1, 84:19, 90:6, 126:15,	141:21, 142:20, 144:2, 145:19, 154:7, 154:11, 157:12, 175:8, 175:10, 175:11, 187:13, 189:16 <b>already</b> 91:11, 192:23 <b>also</b> 2:9, 5:19, 7:22, 7:23, 11:19, 13:22, 15:6, 15:21, 17:15, 21:24, 22:11, 32:19, 33:4, 41:9, 41:17, 43:7, 43:8, 43:25, 44:13, 44:15, 45:13, 45:16, 46:4, 46:6, 46:7, 47:5, 47:18, 48:10, 49:1, 53:1, 53:12, 53:20, 59:15, 59:24, 60:2, 60:24, 61:10, 61:15, 64:6, 66:23, 67:4, 67:6, 68:7, 68:13, 69:14, 89:2, 89:25, 96:6, 102:1, 115:9, 116:24, 117:7, 119:23, 120:21, 120:22, 127:10, 131:13, 137:10, 139:8, 146:25, 153:6, 155:25, 164:7, 166:3, 169:11, 176:20, 176:22, 185:21, 189:25, 191:7, 192:4, 192:10, 192:20, 192:22, 192:24, 194:8, 194:19, 195:9,	195:17 <b>alter</b> 107:1 <b>alternate</b> 17:24 <b>although</b> 11:9, 45:18, 46:6, 106:3 <b>always</b> 65:2, 65:3, 70:11, 76:16, 91:9, 164:8, 192:9 <b>alzheimer's</b> 53:16 <b>amazing</b> 135:21 <b>amend</b> 168:22, 168:23, 169:1, 169:5 <b>amenity</b> 174:1 <b>america</b> 74:16, 89:7 <b>amish</b> 62:24 <b>among</b> 36:1 <b>amount</b> 45:11, 46:17, 46:19, 47:5, 50:16, 51:6, 85:15, 130:16, 130:19, 132:6, 134:16, 196:25 <b>amounts</b> 36:9, 54:5 <b>anaerobic</b> 79:11 <b>analysis</b> 23:15, 81:15, 82:5, 85:12, 92:18, 94:23, 129:16, 151:8, 156:24, 157:6, 165:21 <b>analyzing</b> 109:7, 144:9	<b>animal</b> 152:20 <b>animals</b> 43:15 <b>ann</b> 73:21 <b>annual</b> 20:14 <b>another</b> 23:11, 36:5, 42:7, 74:24, 75:3, 96:8, 101:24, 105:5, 115:10, 122:7, 134:5, 147:11, 163:7, 166:18, 175:18, 178:20, 196:10 <b>answer</b> 16:1, 16:6, 16:7, 23:12, 48:18, 55:14, 55:17, 64:21, 69:3, 90:11, 129:16, 131:16, 131:20, 134:5, 169:1, 196:2, 200:3 <b>answered</b> 27:5 <b>answering</b> 29:16, 41:13 <b>answers</b> 15:23 <b>anticipate</b> 71:7 <b>anticipated</b> 197:6 <b>antifreeze</b> 12:17 <b>anxiety</b> 38:20 <b>anybody</b> 63:14, 122:7, 201:21 <b>anybody's</b> 155:15 <b>anymore</b> 129:7
--	---	---	---

<p><b>anyone</b> 5:11, 53:19, 108:12, 137:25, 162:13, 176:25, 184:1 <b>anyone's</b> 123:12 <b>anything</b> 4:13, 21:14, 21:19, 33:22, 47:9, 112:10, 118:7, 131:3, 131:13, 137:17, 149:2, 160:25, 173:13, 189:5, 195:23, 196:17, 197:25 <b>anyway</b> 8:14, 27:20, 105:8, 108:11, 147:4 <b>anywhere</b> 26:11 <b>apart</b> 122:19 <b>apologize</b> 38:20, 56:8, 85:2, 113:22, 114:11, 124:2, 146:3, 172:18 <b>apparently</b> 22:21, 23:1, 108:7, 113:15, 114:3, 177:15 <b>appeal</b> 4:9, 4:12, 202:12 <b>appealing</b> 11:15 <b>appeals</b> 4:9, 202:13, 202:14, 202:17 <b>appear</b> 11:8, 11:13, 57:6, 94:24 <b>appeared</b> 7:4, 9:22, 20:5 <b>applicant</b> 2:2, 4:17,</p>	<p>4:18, 6:8, 28:15, 31:13, 41:7, 64:24, 65:11, 71:1, 86:19, 124:25, 125:2, 125:5, 126:16, 126:18, 138:12, 145:14, 154:24, 157:7, 160:21 <b>applicant's</b> 12:21, 18:10, 112:4, 145:12, 145:22, 159:16, 196:18 <b>application</b> 7:8, 18:1, 21:12, 61:21, 69:1, 145:6, 170:10, 197:19 <b>applications</b> 20:15 <b>applied</b> 52:24 <b>applies</b> 26:5 <b>apply</b> 25:20, 122:24 <b>appreciable</b> 116:11 <b>appreciate</b> 37:3, 49:1, 114:24, 184:24 <b>appreciated</b> 37:10 <b>approach</b> 42:11 <b>appropriate</b> 58:18, 62:19, 144:8, 145:17, 175:8 <b>appropriateness</b> 126:17 <b>approval</b> 17:20, 85:21, 113:18, 121:12 <b>approve</b> 17:17</p>	<p><b>approved</b> 64:25, 109:17, 121:13, 142:13, 159:1, 160:10 <b>approving</b> 169:24, 197:18 <b>approximately</b> 43:13, 46:21, 47:1, 49:21, 51:1, 60:14, 60:18, 85:10, 141:14, 141:23, 142:22, 144:6 <b>apropos</b> 72:25 <b>aquifer</b> 124:7, 130:17, 132:15, 132:21, 132:24, 134:1 <b>arbor</b> 73:21 <b>arborist</b> 164:7, 164:12 <b>architect</b> 74:5, 88:12, 164:6, 183:9, 183:17, 183:20, 202:2 <b>architects</b> 183:16, 184:8 <b>architecture</b> 75:7, 164:16, 165:4, 183:11, 184:3, 184:5, 189:24, 190:12, 193:11, 193:18, 194:1 <b>area</b> 7:17, 11:21, 17:13, 19:16, 21:1, 24:1, 24:3, 24:11, 25:24, 33:19, 34:5, 35:20, 36:2, 36:4, 36:5, 42:23, 44:16, 58:21, 59:14, 60:18,</p>	<p>60:23, 61:2, 61:9, 68:10, 68:14, 68:17, 69:24, 70:3, 70:13, 83:4, 89:19, 97:23, 98:10, 98:20, 122:12, 122:20, 122:25, 125:10, 131:8, 131:12, 143:19, 144:19, 147:20, 148:5, 148:12, 150:17, 150:19, 150:22, 150:23, 151:3, 151:5, 151:8, 151:11, 151:12, 151:13, 151:16, 151:17, 151:23, 157:19, 159:20, 166:1, 166:10, 167:7, 167:10, 191:25, 193:22 <b>areas</b> 33:5, 36:7, 36:10, 36:11, 49:3, 50:5, 50:7, 52:24, 60:12, 77:10, 82:10, 84:19, 86:13, 89:13, 121:13, 131:9, 131:10, 134:20, 150:22, 152:11, 152:14, 162:5, 169:24, 171:18, 171:19, 171:22, 172:25 <b>aren't</b> 76:14, 102:2, 102:3 <b>argument</b> 122:24 <b>around</b> 7:14, 7:23, 30:7, 37:5, 52:24, 58:16, 60:12, 69:9,</p>
--	---	---	---

72:22, 74:11, 74:16, 78:5, 81:19, 92:4, 106:13, 146:1, 150:12, 164:22, 174:13, 187:25, 194:17 <b>arriving</b> 86:4 <b>arrow</b> 180:16 <b>arrows</b> 82:18, 82:19 <b>article</b> 14:8, 46:15, 104:4, 104:11, 104:17, 114:24, 115:1, 115:4, 115:5 <b>articulated</b> 81:12 <b>artificial</b> 79:1, 94:19 <b>ascertaining</b> 121:5 <b>ashland</b> 74:22 <b>asked</b> 21:18, 34:24, 131:19, 165:12, 178:21 <b>asking</b> 5:3, 28:3, 31:12, 78:1, 111:17, 114:6, 155:10, 156:11, 165:11 <b>aspect</b> 44:2, 50:21, 66:11 <b>aspects</b> 55:22, 63:2, 63:3, 124:9, 128:20, 197:2 <b>assembly</b> 144:21, 187:23, 187:24, 187:25, 189:11, 191:7,	191:20, 191:22, 191:23, 192:11, 192:15 <b>assertion</b> 56:2 <b>assessed</b> 70:15 <b>assessment</b> 70:18 <b>assigned</b> 4:5, 185:4 <b>associate</b> 61:7 <b>associated</b> 74:1, 99:8, 183:14, 190:12 <b>association</b> 11:10, 19:21, 68:15, 68:23, 68:24, 75:16, 75:20, 88:1 <b>assume</b> 63:6, 102:12, 135:10 <b>assumed</b> 30:2, 111:12 <b>assuming</b> 66:8, 160:17 <b>assumption</b> 109:21, 115:16 <b>assure</b> 122:14 <b>atlas</b> 143:23 <b>atmosphere</b> 45:12 <b>attached</b> 51:23 <b>attachment</b> 127:20 <b>attend</b> 68:4 <b>attended</b> 21:5 <b>attending</b> 44:1, 66:15 <b>attention</b> 18:1, 22:1,	23:20, 61:20, 69:6, 69:13, 114:25, 197:4 <b>attentive</b> 52:13 <b>attenuation</b> 128:23 <b>attorney</b> 6:5 <b>attracted</b> 22:1 <b>audio</b> 204:5 <b>augment</b> 145:23 <b>august</b> 198:24, 200:10, 202:11, 204:14 <b>australia</b> 93:21 <b>availability</b> 24:7 <b>available</b> 17:1, 17:14, 24:4, 36:19, 39:21, 44:7, 44:16, 56:17, 58:2, 63:13, 65:25, 67:2, 67:13, 72:3, 96:16, 112:5, 122:20, 122:22, 122:25, 131:2, 160:5, 162:11, 182:2, 196:2 <b>avenue</b> 4:4, 58:7, 59:2, 59:12, 60:15, 60:25, 66:16, 141:21, 141:24, 142:21, 144:24, 147:2, 147:13, 151:21, 154:7, 154:19, 156:9, 162:25, 166:11, 175:11, 175:12 <b>average</b> 13:16, 32:20,	50:8, 151:4, 151:10, 151:22 <b>avoid</b> 50:7 <b>aware</b> 37:13, 68:17, 94:5, 96:10, 124:11, 152:9 <b>away</b> 51:13, 63:1, 108:6, 132:7, 133:2 <hr/> <b>B</b> <hr/> <b>b</b> 40:25, 141:3, 153:20, 153:21, 154:17, 185:16 <b>b-e-y-h-a-n</b> 183:3 <b>back</b> 4:21, 22:13, 25:9, 27:9, 29:13, 32:2, 44:4, 51:13, 59:6, 61:18, 67:14, 69:12, 69:21, 85:2, 85:25, 87:20, 96:14, 96:15, 100:8, 132:20, 159:21, 165:10, 165:11, 173:11, 177:6, 178:18, 181:16, 185:21, 187:18, 188:1, 191:14, 194:3, 195:7, 200:15 <b>backed</b> 15:3 <b>background</b> 19:10, 20:24, 27:23, 29:18, 29:19, 29:22, 30:3, 33:13, 41:14, 42:2, 56:23, 103:11, 122:7
--	---	---	--

<b>backhoe</b> 125:8, 125:17	44:4, 200:3, 200:16	92:10, 93:4, 94:10, 94:16, 98:11, 101:16, 106:5, 107:2, 109:13, 111:6, 124:1, 124:10, 124:20, 130:5, 135:18, 136:6, 136:23, 138:16, 140:19, 140:21, 146:6, 151:15, 151:17, 154:11, 154:24, 157:14, 158:16, 162:2, 165:9, 166:12, 166:22, 167:20, 168:17, 169:17, 173:17, 177:6, 180:10, 184:8, 184:9, 185:22, 186:12, 189:19, 190:11, 190:17, 195:12, 196:11, 198:3	57:11, 57:20, 65:2, 68:25, 69:8, 69:10, 72:16, 74:7, 75:5, 75:23, 88:16, 91:9, 91:11, 91:23, 92:9, 97:10, 98:8, 113:19, 114:4, 117:24, 118:14, 122:2, 123:18, 125:10, 131:15, 147:5, 155:2, 157:1, 165:19, 165:20, 167:13, 173:9, 177:14, 183:14, 187:14, 193:25, 196:25, 197:15, 197:22, 198:1, 198:2, 198:12, 202:2
<b>backup</b> 11:20	<b>basis</b> 48:23, 87:11, 87:18, 88:11, 110:8	<b>become</b> 74:10, 77:4, 79:11, 79:14, 79:18, 80:23, 84:18, 124:13, 129:7	<b>before</b> 1:12, 9:23, 12:22, 14:18, 17:23, 20:6, 24:10, 25:4, 29:18, 30:13, 31:4, 64:20, 65:23, 69:4, 72:12, 78:7, 108:16, 109:4, 116:9, 120:6, 120:7, 123:2, 125:12, 133:14, 140:9, 153:6, 158:25, 164:16, 169:22, 176:4, 183:24, 189:13, 198:10, 203:3
<b>bacteria</b> 51:19, 51:21, 51:23, 51:24, 52:1, 128:21, 129:5, 133:20	<b>batching</b> 174:21	<b>becomes</b> 13:3, 130:4	<b>began</b> 74:5, 95:4, 161:6
<b>bacterial</b> 130:9	<b>bathrooms</b> 192:1	<b>becoming</b> 77:1	<b>begin</b> 31:5, 31:12, 35:21, 80:25
<b>bad</b> 30:9	<b>bauer</b> 41:1	<b>bedroom</b> 161:25	<b>beginning</b> 19:1, 27:21,
<b>balance</b> 146:20	<b>beak</b> 94:21	<b>beech</b> 166:17	
<b>baltimore</b> 124:12	<b>beal</b> 127:10	<b>been</b> 4:11, 15:8, 15:15, 19:13, 22:17, 23:21, 23:22, 23:23, 24:15, 25:16, 25:22, 25:23, 30:16, 31:6, 32:17, 39:13, 50:21, 55:12,	
<b>bamboo</b> 44:19, 79:5	<b>beat</b> 10:22		
<b>bar</b> 142:8	<b>beautiful</b> 20:10, 36:3, 39:15, 39:16, 86:12, 193:15		
<b>bartley</b> 144:12	<b>beautifully</b> 193:18		
<b>base</b> 136:13, 136:19, 189:20	<b>beauty</b> 61:17		
<b>based</b> 47:13, 50:17, 70:4, 78:2, 92:6, 94:23, 100:15, 102:25, 113:16, 127:15, 127:24, 139:6, 143:18, 159:24	<b>became</b> 20:13		
<b>basic</b> 31:13, 132:16, 158:17	<b>because</b> 4:25, 5:20, 6:11, 6:20, 11:14, 12:4, 12:14, 16:22, 20:14, 22:14, 22:18, 24:6, 26:5, 28:10, 33:2, 33:5, 33:7, 33:18, 36:25, 37:7, 37:16, 37:25, 43:10, 45:19, 55:4, 56:18, 57:8, 57:18, 61:12, 81:2, 82:2, 84:24, 85:9, 88:3,		
<b>basically</b> 27:4, 31:12, 32:14, 33:8, 39:8, 46:14, 48:15, 48:16, 59:5, 78:10, 87:17, 159:12, 196:25			
<b>basil</b> 3:6, 29:16, 40:16, 40:25,			

<p>31:8, 57:6, 70:4, 81:20, 178:18, 188:17 <b>begins</b> 15:10, 79:11, 81:10, 88:10 <b>begs</b> 115:15 <b>behalf</b> 2:2, 19:19 <b>behind</b> 88:6, 126:3 <b>being</b> 4:21, 14:19, 24:4, 45:6, 46:14, 49:9, 51:7, 55:9, 72:15, 77:12, 95:20, 96:1, 97:4, 102:10, 127:7, 129:24, 134:12, 134:15, 135:3, 136:14, 147:7, 165:10, 165:17, 184:7, 184:24, 187:17, 192:18, 193:3, 194:12 <b>beings</b> 48:7 <b>belaboring</b> 160:24 <b>belief</b> 99:11 <b>believe</b> 25:15, 25:16, 33:22, 36:16, 36:25, 46:8, 49:16, 49:17, 53:11, 57:18, 58:19, 60:14, 69:17, 70:5, 70:10, 71:17, 75:24, 77:15, 89:11, 93:10, 96:1, 96:15, 97:13, 100:17, 102:7, 103:20,</p>	<p>123:7, 151:17, 151:23, 156:12, 159:14, 160:2, 162:21, 168:24, 174:23, 177:18, 186:24, 198:14 <b>below</b> 13:14, 79:8, 83:11, 83:21, 97:25, 132:24, 190:15, 191:13, 191:15 <b>benches</b> 189:2, 189:3 <b>benching</b> 174:24 <b>beneath</b> 93:20, 124:4 <b>benefits</b> 45:4, 47:7 <b>besides</b> 11:22 <b>best</b> 30:25, 45:24, 57:6, 66:4, 76:4, 145:5, 155:1, 155:15, 159:13, 176:2, 204:5 <b>better</b> 30:20, 39:5, 71:9, 78:18, 117:23, 119:17, 136:22, 153:15, 174:18, 177:7, 192:24 <b>between</b> 43:14, 50:9, 63:12, 63:17, 78:8, 100:13, 101:6, 105:12, 111:13, 111:21, 111:22, 116:7, 122:15, 123:15, 124:15, 125:4, 128:1, 150:18, 160:1, 172:5 <b>betwixt</b> 122:23</p>	<p><b>beyhan</b> 3:12, 183:2 <b>beyhantrock@gmail</b> 183:5 <b>beyond</b> 58:19, 59:14, 59:17, 60:10, 126:9, 128:5, 167:5, 173:15, 187:5 <b>biannually</b> 89:1 <b>big</b> 33:6, 52:9, 59:8, 149:19, 171:10, 191:10, 191:19, 194:8, 194:9, 199:6 <b>biggest</b> 135:23 <b>biodegradable</b> 35:13, 44:9, 44:12, 44:14, 44:22, 56:5, 80:6 <b>biodegrade</b> 13:19, 13:23, 15:19, 47:23, 98:19, 98:24, 101:8 <b>biological</b> 47:15, 124:22, 128:19 <b>biomedical</b> 41:18 <b>bit</b> 17:8, 29:18, 44:5, 65:15, 137:4, 174:18 <b>black</b> 84:6 <b>blend</b> 193:11 <b>blindsided</b> 15:9 <b>blobs</b> 181:6 <b>blocks</b> 196:7</p>	<p><b>blowup</b> 87:5, 153:14 <b>blue</b> 81:18, 81:19, 82:19, 83:3, 83:9, 84:3, 142:8 <b>board</b> 4:9, 4:12, 20:6, 24:11, 202:13, 202:14, 202:17 <b>boards</b> 11:24, 20:7 <b>bodies</b> 13:13, 15:17, 16:17, 18:9, 32:17, 33:7, 34:18, 35:8, 35:11, 35:21, 42:11, 42:15, 42:17, 44:6, 45:8, 46:21, 47:11, 51:19, 52:8, 57:13, 57:20, 70:6, 116:19, 123:4, 134:6 <b>body</b> 13:17, 16:1, 16:16, 35:10, 43:17, 43:21, 44:10, 44:11, 44:13, 46:13, 46:17, 46:19, 46:20, 46:25, 47:1, 47:9, 47:17, 47:20, 48:14, 48:25, 49:22, 50:25, 79:9, 115:21, 115:24, 116:8, 116:11, 117:23, 118:1, 128:10, 130:19, 136:7, 136:8, 138:16, 138:21, 139:7, 191:25</p>
---	--	---	---

<b>boiling</b> 71:14, 128:8 <b>bolder</b> 180:13 <b>bordering</b> 144:17 <b>borders</b> 98:6, 175:8 <b>boring</b> 83:25, 84:6, 84:7 <b>born</b> 33:23 <b>borne</b> 199:16 <b>boston</b> 74:24, 74:25, 115:23 <b>both</b> 55:1, 60:12, 60:24, 66:12, 71:16, 119:22, 120:3, 120:14, 141:15, 143:8, 153:8, 159:12, 159:24 <b>bottom</b> 50:9, 123:15, 134:7, 192:12, 193:5 <b>boulder</b> 90:6 <b>boundary</b> 143:12, 144:14, 144:16, 144:18 <b>box</b> 44:15, 79:5, 170:24 <b>boxes</b> 35:13 <b>boy</b> 141:5 <b>brahms</b> 183:17 <b>brampton</b> 94:7 <b>brazil</b> 16:21, 17:3,	70:15 <b>break</b> 65:16, 105:10, 105:13, 128:18 <b>breaking</b> 20:16 <b>brick</b> 189:20 <b>bring</b> 32:19, 66:18, 141:1 <b>bringing</b> 20:3, 114:25 <b>broad</b> 146:10 <b>broadcast</b> 21:24, 22:12 <b>broke</b> 32:2, 113:25, 191:7 <b>broken</b> 129:7, 138:22, 194:11 <b>brought</b> 61:20, 177:6, 177:14, 197:4 <b>bubonic</b> 52:10 <b>buffer</b> 81:19, 123:20, 124:4, 124:23, 133:20, 145:23, 150:7, 150:11, 150:13, 150:14, 150:17, 150:18, 150:21, 159:22, 159:23, 175:12 <b>buffered</b> 145:8, 159:15 <b>buffering</b> 145:20, 175:9 <b>buffers</b> 70:20, 148:10 <b>bugher</b> 1:25, 204:2, 204:13 <b>build</b> 93:4, 130:15,	155:20, 166:24, 185:6, 187:19 <b>building</b> 60:1, 60:3, 61:6, 61:20, 62:2, 62:6, 62:8, 62:10, 62:12, 62:20, 62:21, 129:23, 130:15, 147:9, 153:8, 153:10, 153:11, 154:23, 155:19, 157:12, 157:16, 157:19, 158:12, 158:15, 158:18, 158:23, 159:6, 159:8, 160:5, 171:9, 175:17, 175:22, 175:23, 176:4, 185:21, 186:18, 186:22, 188:4, 188:5, 188:6, 189:10, 190:2, 190:11, 190:19, 190:21, 191:4, 191:5, 191:6, 191:8, 191:9, 191:11, 191:14, 191:18, 192:5, 192:9, 192:10, 193:5, 193:21, 193:23, 194:4, 194:10, 194:17, 194:21, 195:13, 195:14, 200:25, 201:3, 201:10, 201:23 <b>buildings</b> 59:20, 60:10, 86:3, 147:1, 147:4, 147:6, 147:12, 147:14, 147:16, 151:15, 151:19, 156:13, 158:12, 159:3, 159:11, 159:12, 185:4, 185:20,	189:16 <b>built</b> 13:1, 20:13, 146:20, 194:15 <b>bumper</b> 123:15 <b>bunch</b> 35:6 <b>burdensome</b> 32:22 <b>burials</b> 32:15, 32:19, 47:8, 57:4, 60:19, 63:16, 66:3, 66:7, 66:8, 66:12, 66:21, 67:9, 68:19, 74:11, 76:24, 78:8, 87:10, 87:12, 88:20, 88:23 <b>buried</b> 15:17, 18:12, 47:11, 50:25, 82:2, 82:9, 95:20, 96:1, 123:4, 134:6, 136:21 <b>burtonsville</b> 11:6 <b>bury</b> 35:21, 43:21, 96:7 <b>burying</b> 36:1, 42:11, 86:20, 117:23 <b>business</b> 33:14, 60:4, 63:14, 73:18, 73:20, 74:6, 77:4 <b>butler</b> 199:3, 199:24, 200:14 <b>button</b> 5:5, 5:6 <b>buy</b> 72:18, 104:23
---	---	---	---

<p><b>buyer</b> 162:3 <b>buying</b> 37:9 <b>bye-bye</b> 112:17 <b>bypass</b> 23:8</p> <hr/> <p style="text-align: center;"><b>C</b></p> <hr/> <p><b>c</b> 146:1, 158:13 <b>c(3</b> 31:15, 43:5 <b>c-r-u-m</b> 140:4 <b>cage</b> 100:19 <b>calculate</b> 111:9 <b>calculation</b> 50:18 <b>caliper</b> 166:5 <b>call</b> 5:14, 8:25, 9:10, 24:9, 37:13, 65:22, 68:21, 76:17, 104:12, 105:5, 123:25, 139:16, 140:25, 148:9, 182:8, 193:6, 200:15 <b>called</b> 5:12, 13:24, 22:24, 25:5, 32:25, 80:7, 92:14, 94:6, 132:16, 174:4 <b>calling</b> 68:22, 68:23, 77:17, 187:2 <b>calls</b> 27:4, 69:1 <b>camby</b> 6:6 <b>came</b> 42:15, 69:4,</p>	<p>69:17, 101:10, 125:18, 126:14, 127:9, 155:1, 178:23 <b>camera</b> 113:7, 113:8 <b>cameras</b> 105:19 <b>camp</b> 144:21 <b>can't</b> 5:8, 23:8, 37:22, 37:23, 75:1, 95:21, 117:12, 124:1, 133:17, 135:6, 137:15, 157:2, 168:21 <b>canada</b> 74:17 <b>canby</b> 2:4 <b>cancer</b> 13:22, 14:1, 47:25, 53:15, 103:23, 115:8, 115:17, 115:22, 115:23, 116:1, 116:19, 117:14, 138:20 <b>candor</b> 136:3 <b>cannot</b> 14:4, 17:15, 103:8, 137:11, 155:19 <b>canopy</b> 166:14, 176:19 <b>cap</b> 161:7, 161:8 <b>capabilities</b> 16:4 <b>capable</b> 29:16, 197:23 <b>capacity</b> 91:12, 94:20 <b>capital</b> 118:20</p>	<p><b>capture</b> 82:16 <b>carbon</b> 45:12, 100:15 <b>carboplatin</b> 55:24 <b>cardboard</b> 79:5 <b>cardiovascular</b> 53:15 <b>care</b> 71:20, 116:5, 160:12 <b>career</b> 74:14 <b>careful</b> 9:9 <b>carefully</b> 26:6 <b>caribbean</b> 74:17 <b>carolina</b> 89:7 <b>carry</b> 51:19 <b>cars</b> 187:16, 191:17 <b>carved</b> 34:6, 90:5 <b>case</b> 1:6, 4:3, 4:6, 4:8, 4:17, 6:8, 7:13, 8:1, 8:4, 9:22, 16:18, 20:7, 27:19, 31:5, 75:11, 81:6, 89:19, 90:4, 91:20, 126:5, 126:11, 136:12, 136:17, 157:10, 168:21, 169:18, 184:12, 203:7, 204:7 <b>cases</b> 79:21, 90:5, 91:5, 116:8, 131:19 <b>casket</b> 44:14, 44:19,</p>	<p>79:1, 79:2, 79:6, 79:19, 124:21 <b>caskets</b> 18:7, 29:25, 32:16, 35:12, 42:12, 42:13, 45:2, 45:13 <b>casual</b> 8:13 <b>catalog</b> 159:12 <b>category</b> 22:18, 23:14, 23:20, 58:2, 76:4, 101:16 <b>catholic</b> 75:13, 75:22 <b>caught</b> 181:13 <b>cause</b> 14:10, 52:2, 52:3, 71:18, 103:7, 104:14 <b>causes</b> 53:13, 53:14 <b>causing</b> 36:15, 57:3 <b>caution</b> 38:2 <b>ceilings</b> 193:4 <b>cell</b> 13:21, 48:2, 103:19, 103:21 <b>cells</b> 13:22, 47:25, 48:1, 48:6, 51:21, 51:23, 100:20, 103:23 <b>cemeteries</b> 18:7, 24:2, 26:13, 31:21, 33:4, 33:7, 34:11, 35:10, 43:8, 43:23, 55:11, 57:5, 74:7, 74:11,</p>
--	---	---	---

74:14, 74:20, 74:23, 74:25, 75:1, 77:6, 77:8, 89:5, 90:9, 91:18, 91:24, 92:14, 92:19, 92:20, 93:2, 93:11, 94:9, 94:11, 94:14, 95:5, 95:7, 95:10, 95:11, 95:16, 96:3, 96:7, 99:8, 123:8, 131:8, 131:9, 131:15, 189:4 <b>cemetery</b> 4:3, 14:12, 15:18, 17:9, 23:6, 23:23, 26:10, 33:14, 34:13, 34:17, 35:3, 36:19, 50:7, 59:11, 61:13, 71:25, 73:2, 74:4, 74:5, 74:22, 75:3, 75:7, 75:12, 75:13, 75:15, 75:19, 75:22, 76:1, 76:12, 76:23, 77:10, 80:21, 82:11, 85:19, 86:5, 86:13, 89:6, 89:18, 90:2, 90:7, 90:10, 90:22, 91:22, 92:1, 92:23, 92:24, 93:9, 93:12, 93:13, 93:16, 93:20, 94:7, 94:18, 94:21, 95:1, 95:8, 95:14, 95:23, 96:10, 97:7, 97:14, 98:6,	98:11, 98:15, 111:7, 122:11, 123:9, 123:18, 124:17, 124:19, 124:23, 131:6, 131:12, 132:3, 146:21, 149:17, 151:16, 153:1, 153:2, 155:12, 156:8, 156:14, 157:14, 157:15, 157:18, 158:9, 159:19, 161:12, 161:22, 162:5, 165:15, 172:25, 186:24, 187:1, 187:4 <b>center</b> 39:16, 60:11, 86:6, 87:25, 115:22, 115:23, 138:20, 154:19 <b>centered</b> 144:7 <b>central</b> 74:16 <b>centrally</b> 151:19 <b>ceremonies</b> 59:22 <b>certain</b> 4:15, 45:21, 48:6, 57:17, 57:18, 63:22, 70:19, 70:20, 100:19 <b>certainly</b> 42:9, 48:20, 58:13, 59:8, 68:2, 86:22, 90:11, 102:1, 102:11, 113:11, 124:24, 125:5, 135:4, 138:19, 145:15, 146:22, 161:23, 197:7 <b>certificate</b> 164:10, 203:1,	204:1 <b>certification</b> 43:8, 164:12 <b>certified</b> 164:7, 164:10 <b>certify</b> 203:4, 204:2 <b>cetera</b> 187:10 <b>chairman</b> 145:10 <b>challenges</b> 6:12 <b>chance</b> 54:16, 114:23, 118:11 <b>chances</b> 134:11 <b>change</b> 22:19, 22:25, 107:1, 168:25, 178:25, 198:3 <b>changed</b> 22:23 <b>changes</b> 5:22, 23:14, 23:21, 178:6 <b>changing</b> 105:25 <b>channels</b> 81:14, 147:25, 150:17 <b>chapter</b> 176:12 <b>character</b> 59:13, 59:14, 62:22, 69:24, 90:23, 90:25, 146:19, 146:24, 150:25, 151:18, 151:20, 151:21, 160:19, 186:22, 189:18, 194:14 <b>characterized</b> 142:17 <b>check</b> 84:6, 100:1 <b>checkered</b> 87:7	<b>checking</b> 24:23 <b>checklist</b> 24:23, 24:25 <b>cheltenham</b> 93:20 <b>chemical</b> 47:16, 47:19 <b>chemicals</b> 12:2, 14:2, 14:5, 35:9, 42:14, 45:17, 45:20, 47:12, 47:14, 49:12, 54:9 <b>chemist</b> 135:20 <b>chemo</b> 54:4, 54:10, 116:10, 117:25, 138:15 <b>chemotherapeutic</b> 47:21, 48:1, 52:19, 52:22, 53:5, 55:25, 57:2, 57:11, 98:19, 98:24, 100:16, 100:18, 101:15, 101:17, 101:25, 115:3, 115:6, 115:17, 115:24, 116:13 <b>chemotherapies</b> 15:18, 55:9, 55:12, 117:19 <b>chemotherapy</b> 13:20, 14:1, 14:16, 47:24, 48:4, 52:17, 53:2, 53:23, 54:3, 55:3, 55:18, 57:14, 103:15, 104:12, 115:18, 115:20, 116:3, 116:4, 116:7, 116:8, 130:12, 130:17, 136:6, 138:21,
---	---	--	---

<p>139:11 <b>chief</b> 8:4 <b>children</b> 66:25, 99:1 <b>choose</b> 71:25, 171:12, 171:16 <b>chose</b> 82:1 <b>chosen</b> 17:23, 157:8 <b>chronic</b> 53:15 <b>church</b> 145:20, 175:9, 176:3 <b>circle</b> 60:22, 144:7, 149:19, 149:20 <b>circles</b> 83:9, 84:3, 191:19 <b>circulation</b> 84:20 <b>citation</b> 104:4 <b>cited</b> 49:20, 151:15 <b>cites</b> 46:15 <b>cities</b> 16:22 <b>citizen</b> 137:16 <b>civic</b> 68:22 <b>civil</b> 140:10, 140:13, 140:14, 140:25 <b>claim</b> 14:15, 43:1, 93:6 <b>clarification</b> 54:21, 93:15 <b>clarify</b> 91:12, 99:5, 99:12, 200:18</p>	<p><b>classes</b> 66:24, 67:3 <b>classified</b> 14:11 <b>clause</b> 150:24 <b>clay-loam</b> 129:4 <b>clean</b> 128:12 <b>cleanse</b> 128:9, 132:8 <b>clear</b> 35:20, 35:25, 45:18, 81:16, 82:14, 137:17, 166:25, 167:2, 167:3 <b>clearing</b> 36:5, 86:20, 89:25, 166:23, 166:24 <b>clearly</b> 17:14, 128:22, 190:11 <b>click</b> 78:13 <b>client</b> 167:23, 177:15, 178:22 <b>clients</b> 28:3, 28:11, 194:4 <b>clinical</b> 41:16 <b>clorox</b> 137:14 <b>close</b> 16:24, 136:9, 162:16, 168:14, 189:16, 198:11 <b>closer</b> 34:7, 42:25, 60:24, 178:23 <b>closes</b> 4:8 <b>closest</b> 166:10</p>	<p><b>closets</b> 192:1 <b>closing</b> 3:13, 196:21, 196:22 <b>cloth</b> 79:6 <b>cloverly</b> 12:9, 68:22, 146:8, 146:9, 146:10, 146:13, 152:15, 152:22, 160:3 <b>club's</b> 20:14 <b>cluster</b> 4:5, 15:7, 57:23, 152:10, 155:5, 161:16 <b>coat</b> 192:1 <b>code</b> 17:6, 17:8, 17:15, 119:6, 122:4, 122:10, 122:24, 127:18, 128:2, 137:17, 176:13 <b>coffins</b> 94:19 <b>cofounder</b> 41:8 <b>collected</b> 92:18 <b>coloration</b> 125:24 <b>colors</b> 126:3, 126:6, 192:24 <b>columbia</b> 107:19, 108:3 <b>columns</b> 189:21 <b>com</b> 11:7, 29:7, 38:17, 41:3, 73:22, 140:7, 183:5</p>	<p><b>combined</b> 83:7, 162:20 <b>come</b> 5:22, 18:5, 23:20, 29:13, 33:9, 46:4, 59:5, 62:5, 63:14, 65:24, 79:19, 91:8, 91:19, 100:7, 100:9, 106:6, 114:4, 117:25, 125:14, 135:25, 169:5, 169:8, 178:22, 186:23, 189:8 <b>comes</b> 33:4, 46:24, 51:5, 94:1, 94:4, 133:1, 137:13, 159:8, 162:19 <b>comfortable</b> 27:23, 96:1 <b>comfortably</b> 191:10 <b>coming</b> 37:25, 65:16, 71:20, 135:1, 142:7, 172:21, 186:21, 189:4, 191:1 <b>commensurate</b> 34:10 <b>comment</b> 19:9, 30:18, 53:20, 69:21, 71:6, 86:15, 91:1, 128:7, 131:5, 196:24, 200:9, 201:22 <b>commentary</b> 100:12 <b>comments</b> 7:17, 11:11, 56:12, 91:10, 195:25, 198:21, 200:13, 201:18,</p>
---	--	--	--

201:19, 201:22, 202:8 <b>commercial</b> 144:13, 191:11, 193:23 <b>commission</b> 14:11, 19:18, 19:19, 27:4, 57:5, 75:8, 127:15, 143:25, 144:4, 145:10 <b>committed</b> 76:21 <b>common</b> 15:22, 24:25, 44:21, 91:7, 96:9, 102:18 <b>communicate</b> 25:12, 105:23 <b>communicated</b> 27:2 <b>communities</b> 32:23, 68:14, 146:10, 146:12 <b>community</b> 21:6, 32:23, 33:21, 33:23, 39:15, 39:16, 39:19, 61:6, 65:18, 67:12, 67:13, 68:3, 86:6, 87:24, 87:25, 92:1, 95:25, 115:9, 144:25, 145:1, 150:25, 157:12, 157:16, 157:18, 159:8, 160:5, 175:17, 175:23, 189:4, 190:20, 191:14, 195:10, 195:12, 195:13 <b>community's</b> 146:19 <b>compare</b> 130:14 <b>compared</b> 65:17	<b>compatibility</b> 150:25, 185:6 <b>compatible</b> 17:11, 17:18, 69:23, 90:22, 152:11, 159:19 <b>complete</b> 7:13, 8:25, 27:9, 36:2, 83:10, 85:5, 196:1 <b>completely</b> 24:3, 29:16 <b>completeness</b> 199:15 <b>completes</b> 112:12, 196:18 <b>completion</b> 124:13 <b>compliance</b> 12:25, 15:15, 61:1, 173:6 <b>compliant</b> 25:16 <b>complied</b> 24:24 <b>complies</b> 150:15 <b>complimentary</b> 145:11 <b>comply</b> 156:2, 156:15, 157:21, 160:15, 160:16, 161:8, 173:13 <b>complying</b> 36:12 <b>component</b> 128:19, 136:19, 155:16 <b>components</b> 128:24, 130:10, 131:1 <b>composes</b> 46:13 <b>composition</b> 46:13, 48:10 <b>compound</b> 56:4, 100:14,	101:9 <b>compounds</b> 47:23, 48:22, 52:20, 52:22, 55:22, 56:4, 100:17, 100:20, 101:7, 101:9, 101:22, 135:24 <b>comprised</b> 46:9 <b>compromise</b> 152:21 <b>computer</b> 113:6, 141:7, 146:6, 172:17 <b>comus</b> 123:19 <b>concentration</b> 48:10, 48:11, 53:7, 116:12 <b>concentrations</b> 102:6 <b>concept</b> 69:8, 160:11, 169:23, 171:11 <b>concepts</b> 124:14 <b>concern</b> 15:20, 49:2, 51:17, 57:3, 69:15, 70:16, 91:8, 91:10, 94:25, 98:2, 98:20, 99:12, 116:13, 123:7, 125:10, 125:21, 127:12, 130:8, 135:21, 135:23, 136:4, 136:15 <b>concerned</b> 13:19, 15:6, 51:17, 62:18, 136:9, 166:15 <b>concerns</b> 8:19, 8:20, 10:11, 31:1, 49:7, 52:14, 58:14, 58:15,	68:7, 68:8, 68:9, 68:11, 69:16, 71:11, 71:13, 91:4, 115:11, 135:22 <b>concluded</b> 125:20, 202:25 <b>concluding</b> 127:24 <b>conclusion</b> 61:23, 95:5, 109:10, 109:18, 110:10, 159:16 <b>conclusions</b> 92:6, 109:9, 127:8 <b>concrete</b> 42:12, 45:6, 45:10, 78:24, 78:25, 93:3, 93:4, 144:13, 174:21, 174:24 <b>condition</b> 63:21, 63:24, 64:23, 65:10, 111:15, 155:9, 169:19 <b>conditional</b> 15:13, 17:9, 17:17, 17:20, 17:25, 21:12, 22:24, 23:2, 23:3, 159:18, 160:22, 170:10, 170:17, 173:6, 198:1 <b>conditions</b> 45:21, 46:22, 81:7, 81:23, 127:18, 160:20, 173:5 <b>conduct</b> 45:22, 63:14, 66:24, 67:8 <b>conducted</b> 1:11, 21:6, 46:7, 49:25, 65:23, 68:3,
--	--	--	---

68:13, 70:14, 93:19, 94:21, 122:14, 126:12, 127:6 <b>conducting</b> 46:6, 60:4 <b>conductor</b> 197:24 <b>conducts</b> 127:6 <b>conference</b> 75:19, 75:22 <b>conferences</b> 75:16, 75:17 <b>confident</b> 51:8, 51:10, 97:17, 120:5 <b>confidential</b> 75:2 <b>configuration</b> 80:14, 155:2 <b>confluence</b> 142:24, 143:12 <b>conform</b> 147:16 <b>conformance</b> 146:22, 153:3 <b>conforms</b> 160:3 <b>confrontational</b> 192:23 <b>confuse</b> 170:5 <b>confused</b> 112:3 <b>conglomeration</b> 51:22 <b>congregate</b> 189:6, 195:9 <b>connect</b> 58:8 <b>connected</b> 145:14, 192:20 <b>connection</b> 58:3 <b>connector</b> 19:23 <b>conscientious</b> 32:10	<b>consequences</b> 26:12 <b>conservation</b> 86:18, 165:17, 167:14, 167:17, 167:21, 169:7, 169:13, 170:5, 173:16, 173:21, 173:25, 176:12 <b>consider</b> 36:23, 53:1, 96:2, 101:21, 106:4, 131:14, 132:11, 145:15, 155:15 <b>considerable</b> 49:8 <b>consideration</b> 137:19 <b>considered</b> 6:16, 14:12, 17:23, 81:21, 85:6, 88:7, 127:17 <b>consistency</b> 129:4 <b>consistent</b> 43:11, 66:19, 70:3, 160:18 <b>constellation</b> 168:20 <b>constraints</b> 67:4 <b>construct</b> 60:17 <b>constructed</b> 59:15, 59:20, 66:13, 151:3 <b>construction</b> 60:14, 61:6, 148:3 <b>consultants</b> 94:22 <b>consultation</b> 74:11 <b>consulted</b> 123:13 <b>consulting</b> 74:3	<b>contact</b> 22:2, 22:5, 23:7, 24:18, 96:8, 202:14 <b>contain</b> 15:18, 42:13, 100:14, 100:18, 101:9 <b>contained</b> 44:11, 100:19 <b>containers</b> 45:7 <b>containing</b> 44:10 <b>contaminants</b> 14:9, 103:6, 103:16, 104:13 <b>contaminate</b> 16:3, 94:20 <b>contamination</b> 16:9, 91:20, 92:2, 92:15, 92:21, 95:7, 99:8, 105:7, 131:16 <b>context</b> 8:1, 107:3, 130:23 <b>continuation</b> 61:5 <b>continue</b> 56:13, 106:23, 118:11, 139:10 <b>contracted</b> 64:8 <b>contractor</b> 144:13 <b>contrary</b> 17:15 <b>contrast</b> 79:4 <b>contribute</b> 136:13 <b>convenient</b> 156:12, 156:13 <b>conveniently</b> 24:5 <b>conventional</b> 45:12, 68:22,	74:23, 77:8, 77:10, 78:8, 78:20, 78:22, 79:16, 92:24, 93:8, 93:11, 94:9, 95:10, 95:13, 96:10, 115:14, 140:25 <b>conversation</b> 133:7, 135:20, 184:23 <b>cool</b> 193:17 <b>coordinates</b> 85:12 <b>copy</b> 104:18, 104:23, 114:3, 198:14 <b>copyright</b> 104:21 <b>corner</b> 58:7, 61:7, 81:13, 83:4, 142:23, 153:25, 154:7, 170:24 <b>corporate</b> 144:13 <b>corporation</b> 11:11, 19:21 <b>correct</b> 23:15, 28:13, 28:17, 36:20, 63:8, 64:21, 67:19, 70:24, 70:25, 71:3, 71:4, 82:20, 102:18, 102:19, 109:23, 110:6, 110:7, 114:17, 114:19, 132:9, 135:12, 135:17, 150:12, 155:21, 161:17, 171:23, 174:19, 180:18, 200:16, 201:5, 201:9, 201:10, 202:1, 204:3 <b>corridor</b> 84:17
--	---	---	---

<p><b>cost</b> 32:19, 32:21, 85:16 <b>costs</b> 32:22 <b>cotton</b> 44:13 <b>could</b> 6:12, 9:18, 9:23, 10:18, 12:3, 22:7, 32:1, 35:15, 42:1, 44:4, 61:22, 61:23, 62:16, 71:6, 71:24, 72:16, 72:18, 74:13, 74:19, 78:9, 82:3, 84:18, 86:14, 86:20, 87:21, 89:4, 113:18, 117:23, 129:25, 130:3, 137:4, 141:3, 142:4, 145:13, 154:6, 161:9, 161:11, 161:15, 162:8, 163:11, 168:14, 171:16, 175:18, 177:17, 179:17, 185:14, 188:5, 190:16, 195:11, 197:5, 200:3, 201:18, 202:7 <b>couldn't</b> 14:22, 42:19, 155:13 <b>council</b> 11:25, 20:6, 23:7, 43:5, 43:12, 43:18, 68:18, 70:13, 123:6 <b>councils</b> 20:7 <b>counsel</b> 33:1, 203:6,</p>	<p>204:6 <b>counties</b> 11:19, 120:15 <b>countries</b> 26:12 <b>country</b> 9:22, 16:21, 53:13, 53:14, 57:8, 68:19, 69:11, 74:12, 91:19, 131:7 <b>county</b> 1:2, 11:24, 11:25, 12:4, 20:6, 22:15, 22:22, 23:7, 23:9, 24:17, 31:19, 33:24, 34:11, 37:5, 37:6, 58:19, 89:12, 119:23, 121:2, 121:6, 122:4, 122:9, 123:6, 123:8, 124:12, 126:12, 127:6, 127:18, 128:2, 131:7, 131:23, 143:24, 148:8, 148:17, 152:11, 164:17, 166:6, 167:7, 172:17, 176:13, 178:21 <b>county's</b> 88:13, 109:15 <b>couple</b> 4:22, 23:22, 49:18, 50:25, 69:6, 89:17, 90:13, 133:10 <b>course</b> 22:24, 34:9, 48:8, 50:25, 51:1, 51:4, 56:1, 58:3, 60:20, 65:21, 73:10, 81:3, 101:3, 115:7,</p>	<p>124:13, 126:11, 130:11, 144:25, 145:1, 187:8, 191:3 <b>courses</b> 57:18 <b>court</b> 4:25, 6:15, 38:12, 75:9, 106:19, 186:5, 203:1 <b>cover</b> 12:10, 12:24, 13:7, 13:14, 25:21, 25:24, 25:25, 43:22 <b>coverage</b> 11:24, 12:13, 21:15, 134:8 <b>covered</b> 18:13, 80:16, 96:15 <b>create</b> 17:17, 58:15, 59:9, 61:12, 84:22, 87:10, 152:17, 154:25, 155:9, 171:10, 172:4, 193:16 <b>created</b> 124:5 <b>creates</b> 146:19 <b>creating</b> 87:17 <b>credentials</b> 55:2, 56:24, 103:3, 121:24 <b>creeping</b> 15:13 <b>criteria</b> 131:23, 148:6, 148:10, 151:24, 171:13 <b>critical</b> 124:16, 165:9 <b>cropping</b> 136:2</p>	<p><b>cross</b> 4:16, 55:16, 74:19, 99:21 <b>cross-examination</b> 56:17, 72:3, 72:4, 99:20, 162:11, 182:2 <b>cross-examine</b> 27:12, 56:21 <b>crosstalk</b> 4:24, 20:22, 186:6 <b>crum</b> 3:10, 84:1, 106:2, 139:18, 139:20, 139:21, 140:1, 140:3, 140:9, 140:13, 140:17, 140:18, 141:3, 141:5, 141:9, 141:12, 142:4, 142:8, 142:12, 142:13, 143:3, 143:7, 143:14, 144:2, 145:3, 145:25, 146:8, 147:19, 148:24, 149:2, 149:9, 149:11, 149:13, 149:14, 149:22, 149:24, 150:2, 152:2, 152:4, 152:7, 153:6, 153:16, 153:18, 153:21, 153:24, 154:3, 154:14, 154:16, 154:18, 155:6, 155:8, 155:21, 155:24, 156:18, 156:21, 156:24, 157:4, 158:1, 158:4, 158:11, 158:15, 159:2, 159:6, 159:11, 160:20, 160:23, 161:4, 161:17, 161:19, 161:23,</p>
--	--	--	--

162:11, 162:13, 162:14, 163:4, 169:25, 170:4, 170:8, 170:12, 170:15, 173:12, 177:8, 177:13, 186:1, 186:3, 189:14, 201:6, 201:10 <b>crum's</b> 169:21, 185:17 <b>crumble</b> 129:25, 130:3 <b>crux</b> 187:21 <b>cu</b> 1:6, 4:3, 106:23 <b>cubic</b> 50:11, 50:13, 50:14, 50:16, 51:5 <b>cues</b> 78:3 <b>cul-de-sac</b> 60:11 <b>cup</b> 50:15, 50:19, 50:24 <b>current</b> 44:24, 102:8 <b>currently</b> 35:20, 41:18, 74:20, 74:21, 167:11 <b>cursor</b> 78:4, 180:2 <b>curved</b> 149:16, 149:24 <b>curving</b> 85:13 <b>customers</b> 135:19 <b>cut</b> 177:25 <b>cutoff</b> 157:9, 157:20 <b>cutoffs</b> 179:11	<b>cutting</b> 193:1 <b>cycle</b> 31:23, 32:9 <b>cyto</b> 103:14, 103:19 <b>cytostatic</b> 14:9, 103:6, 103:16, 103:20, 104:13, 115:2, 115:11 <b>cytotoxic</b> 14:1, 103:15 <hr/> <b>D</b> <hr/> <b>d</b> 158:13 <b>d-a-v-i-d</b> 164:1 <b>d2</b> 127:20 <b>daily</b> 63:8 <b>dam</b> 15:4 <b>dame</b> 75:23 <b>dana</b> 115:22, 138:20 <b>dangerous</b> 14:2, 14:5 <b>dark</b> 157:17 <b>darker</b> 81:18 <b>data</b> 70:11, 70:13, 198:4 <b>date</b> 4:10, 16:3, 20:2, 198:11, 204:14 <b>david</b> 3:7, 3:11, 38:14, 163:17, 164:1, 175:4 <b>dawn</b> 157:15	<b>day</b> 4:12, 23:11, 33:9, 51:5, 61:19, 63:4, 63:7, 67:16, 136:7, 136:18, 184:14, 201:15 <b>daylight</b> 63:11 <b>days</b> 4:7, 4:9, 115:25, 138:17, 138:22, 139:8, 139:10, 200:5, 200:9, 202:11 <b>dc</b> 164:7 <b>dead</b> 52:7, 115:18 <b>deal</b> 17:14, 20:11, 88:15 <b>dealing</b> 91:18, 120:15, 120:17, 136:17, 165:23 <b>death</b> 31:23, 32:9, 32:14, 46:10, 46:17, 53:13, 53:14, 66:19, 195:15, 195:20 <b>debris</b> 12:14, 39:12 <b>decade</b> 77:2, 85:9 <b>decades</b> 11:24, 23:22, 34:9, 69:12, 98:18, 165:20, 167:1 <b>decaying</b> 13:13, 13:16 <b>deceased</b> 116:11 <b>december</b> 15:23 <b>decent</b> 140:23	<b>decided</b> 19:24, 177:15 <b>decision</b> 4:7, 4:8, 4:10, 4:11, 123:13, 178:2, 202:11, 202:12 <b>deck</b> 195:7, 195:8 <b>declare</b> 11:1 <b>decompose</b> 51:1, 54:4 <b>decomposes</b> 43:18 <b>decomposing</b> 128:20 <b>decomposition</b> 42:17, 43:17, 45:8, 47:2, 48:22, 51:18, 52:21, 54:8, 57:20, 79:9, 93:14, 124:5 <b>dedicated</b> 131:9 <b>dedication</b> 153:9, 154:20 <b>deemed</b> 160:22 <b>deep</b> 43:16 <b>deeper</b> 43:17, 130:4, 130:5 <b>defer</b> 88:12, 99:2, 102:13 <b>define</b> 119:19 <b>defined</b> 148:13, 150:19 <b>definitely</b> 36:13 <b>definition</b> 158:20, 159:18 <b>defy</b> 133:17
---	---	--	--

<b>degradation</b> 47:15, 52:21, 56:3, 70:6, 133:2 <b>degrade</b> 47:19 <b>degree</b> 41:15 <b>delay</b> 172:18 <b>delineation</b> 142:14 <b>delivering</b> 100:20 <b>delve</b> 9:2 <b>demonstrate</b> 16:20, 70:6, 91:9, 125:1, 125:3, 160:9 <b>demonstrated</b> 92:11 <b>demonstrates</b> 145:5, 145:20 <b>demonstration</b> 92:1 <b>denied</b> 17:25, 155:12 <b>dense</b> 34:14 <b>density</b> 34:10, 34:12, 43:3, 43:10, 65:3, 146:17, 152:12 <b>department</b> 22:3, 22:5, 22:20, 22:25, 23:8, 23:17, 23:18, 26:3, 71:6, 121:2, 123:13, 126:19, 131:18, 145:16, 159:2, 160:10 <b>departmental</b> 23:19 <b>dependent</b> 48:9, 129:11	<b>depending</b> 44:10, 46:21, 60:19, 161:10 <b>depends</b> 101:20 <b>depth</b> 27:18, 30:14, 43:13, 43:19, 50:5, 50:7, 79:11, 122:16, 123:3, 124:16, 125:4, 125:8, 126:17, 128:1, 129:12, 131:24, 134:6, 160:1 <b>derives</b> 46:18 <b>describe</b> 67:25, 86:23, 88:13, 119:8, 125:2, 180:1 <b>described</b> 143:4, 167:2 <b>describes</b> 46:16, 166:6 <b>describing</b> 87:8 <b>description</b> 42:7, 78:20 <b>design</b> 73:2, 73:11, 74:4, 75:7, 76:2, 76:12, 76:23, 90:22, 98:13, 168:5, 185:4, 189:17, 193:14, 193:24, 196:13, 197:16 <b>designated</b> 152:11 <b>designed</b> 15:11, 49:6, 50:7, 66:11, 74:14, 90:2, 97:8, 97:19, 98:3, 153:2, 158:4 <b>designing</b> 91:18, 183:18	<b>designs</b> 73:11 <b>desirable</b> 72:1, 151:1 <b>detached</b> 144:17, 145:8 <b>detail</b> 34:21, 88:14, 170:24, 172:3, 179:8 <b>detailed</b> 84:9 <b>details</b> 29:19, 84:1, 88:11, 102:14, 158:7, 197:11 <b>detect</b> 131:1 <b>deteriorating</b> 128:10 <b>determination</b> 125:23 <b>determinations</b> 125:14 <b>determine</b> 50:1, 126:16, 165:23 <b>determined</b> 171:3 <b>determining</b> 62:20 <b>detrimental</b> 161:10, 161:12 <b>develop</b> 70:2, 88:10, 187:18 <b>developed</b> 41:21, 69:11, 85:24, 86:13, 87:25, 123:6, 140:23, 152:17, 152:25, 155:13, 161:13, 161:14, 169:19 <b>developer</b> 167:24 <b>developers</b> 17:24	<b>developing</b> 44:17, 85:9 <b>development</b> 60:17, 75:14, 80:25, 81:20, 83:20, 85:6, 85:8, 86:1, 86:8, 87:4, 87:23, 109:11, 111:5, 111:7, 121:13, 148:8, 152:13, 155:17, 159:15, 160:16, 162:8, 173:5 <b>developments</b> 86:7 <b>device</b> 119:11 <b>diabetes</b> 53:16 <b>diagram</b> 86:25, 87:2 <b>dialogue</b> 122:18, 161:1 <b>dicksboro</b> 73:21 <b>die</b> 139:1 <b>died</b> 53:18, 116:19, 116:20, 139:4 <b>dies</b> 116:9 <b>diesel</b> 12:16 <b>difference</b> 78:8, 78:22, 178:14 <b>differences</b> 35:2, 35:7, 80:11 <b>different</b> 28:1, 28:2, 33:19, 43:23, 44:19, 52:19, 65:25, 69:6, 78:11, 117:15, 117:17, 178:15
---	--	--	--

<b>differentiates</b> 78:11 <b>difficult</b> 37:5, 137:21 <b>difficulty</b> 4:25, 24:20 <b>dig</b> 42:18 <b>digging</b> 50:5 <b>dilution</b> 53:10 <b>dimensioning</b> 43:3 <b>dimensions</b> 62:7, 153:21, 153:25, 154:13 <b>dire</b> 120:7, 165:3 <b>direction</b> 48:18, 82:20, 117:5, 195:15 <b>directly</b> 16:1, 16:18, 25:10, 69:18, 132:18, 144:24 <b>director</b> 64:4, 64:17 <b>directors</b> 23:25 <b>dirt</b> 12:14, 12:19, 18:13, 43:22, 43:24, 128:8 <b>disagree</b> 4:8, 104:2, 118:4, 121:20, 202:12 <b>discharge</b> 161:21 <b>disclosing</b> 108:8 <b>discovered</b> 166:9 <b>discrete</b> 180:21 <b>discuss</b> 34:20, 118:11	<b>discussed</b> 69:19, 70:18, 99:3 <b>discussing</b> 52:25, 60:5 <b>discussion</b> 30:14, 78:17, 86:24, 149:6, 160:25, 161:3, 189:13 <b>discussions</b> 177:18, 195:20 <b>disease</b> 52:2, 52:3, 53:15, 53:16, 53:17 <b>diseases</b> 47:22, 52:11, 53:17, 53:18 <b>disk</b> 80:4 <b>displays</b> 189:3, 189:4 <b>disposal</b> 115:10, 117:21 <b>disposed</b> 95:12, 107:3 <b>dissipation</b> 93:14 <b>dissolve</b> 48:15 <b>dissolves</b> 48:14 <b>distance</b> 51:12, 132:8, 156:3 <b>distances</b> 36:12 <b>distinct</b> 81:11 <b>distinction</b> 79:16, 100:12, 100:13, 101:6 <b>distributed</b> 48:15 <b>disturbed</b> 166:10, 166:11, 166:15	<b>diverse</b> 35:22, 80:23, 80:24, 91:2 <b>diversity</b> 81:11, 167:11 <b>divide</b> 82:13, 82:21, 83:5 <b>dividing</b> 48:2, 103:23 <b>division</b> 13:21, 127:23 <b>dma</b> 149:25 <b>dna</b> 13:21, 14:10, 103:7, 104:14 <b>dnc</b> 183:16 <b>doctor</b> 114:20, 136:22 <b>document</b> 16:9, 21:17 <b>documented</b> 92:7, 98:21 <b>documents</b> 98:22 <b>doing</b> 8:7, 27:16, 33:17, 33:18, 33:20, 36:14, 76:21, 104:16, 126:10, 163:2, 165:15, 165:20, 165:21, 166:2, 176:9, 193:25 <b>domestic</b> 11:18 <b>done</b> 30:8, 39:14, 84:10, 86:6, 88:21, 88:24, 90:18, 92:3, 92:9, 92:10, 110:22, 110:24, 123:19, 172:25, 200:4 <b>door</b> 145:21	<b>doors</b> 62:25 <b>dots</b> 83:9, 84:14, 179:24, 180:11 <b>dotted</b> 82:13 <b>doubt</b> 103:10 <b>dovetailed</b> 135:21 <b>down</b> 6:21, 6:22, 12:19, 13:12, 13:17, 15:16, 32:19, 33:6, 33:9, 55:17, 60:11, 71:14, 85:25, 86:2, 92:19, 98:2, 125:8, 128:8, 128:18, 133:16, 133:19, 134:7, 134:14, 138:22, 154:6, 162:22, 165:11, 165:13, 169:10, 173:17, 190:15, 191:8, 191:13, 194:11, 195:8 <b>downgrade</b> 134:18 <b>downward</b> 157:10 <b>dozen</b> 75:17, 127:4 <b>dpost@mhgpa</b> 164:3 <b>dps</b> 111:15, 127:24 <b>dr</b> 40:25, 41:8, 41:15, 41:23, 42:9, 42:21, 42:23, 44:8, 45:5, 46:4, 46:15, 47:16, 48:20, 49:15,
---	--	---	--

52:18, 54:1, 54:7, 54:12, 55:1, 55:19, 55:20, 56:21, 57:16, 58:4, 58:13, 62:9, 62:18, 63:6, 63:10, 63:25, 64:2, 64:15, 65:20, 67:19, 67:22, 68:2, 69:5, 69:25, 70:10, 70:25, 71:4, 71:9, 71:21, 72:2, 99:17, 100:11, 100:25, 101:2, 101:14, 101:20, 102:7, 102:19, 102:23, 103:3, 103:11, 103:12, 103:18, 103:19, 114:12, 114:15, 114:16, 114:18, 114:20, 114:23, 116:18, 116:24, 117:11, 138:10, 138:13, 138:19, 139:4, 139:15, 177:18, 179:14, 200:18, 201:1 <b>drag</b> 13:11 <b>drainage</b> 81:14, 81:24, 81:25, 82:13, 82:19, 82:21, 83:5, 122:15, 131:8, 160:1, 160:12 <b>drains</b> 82:15 <b>draw</b> 194:25 <b>drawing</b> 190:24, 191:16 <b>drawings</b> 68:5	<b>dream</b> 39:2 <b>drill</b> 58:4 <b>drilled</b> 57:25 <b>drinking</b> 11:18, 14:6, 14:13, 95:16, 97:21, 98:4, 102:5, 123:12, 124:7, 132:20, 134:1 <b>drive</b> 29:6, 41:2, 59:18, 83:20, 183:4 <b>driveway</b> 62:5, 156:8, 162:1, 180:12, 181:5 <b>driving</b> 22:12, 187:12 <b>drop</b> 12:16 <b>dropped</b> 191:18 <b>drug</b> 103:21, 136:7, 139:7 <b>drugs</b> 13:23, 14:1, 14:10, 47:22, 48:9, 48:12, 52:17, 52:22, 54:4, 54:10, 103:7, 103:15, 103:20, 104:14, 115:2, 115:3, 115:6, 115:11, 115:12, 115:17, 130:12, 136:6, 136:7, 136:18, 136:20, 138:21, 139:2, 139:3, 139:6 <b>duck</b> 88:25	<b>duckett</b> 15:4 <b>due</b> 11:16, 16:4, 51:19, 71:18, 156:14 <b>dug</b> 42:24, 43:13, 50:1, 125:17 <b>dump</b> 95:8, 95:9, 137:12 <b>dumpsite</b> 95:13 <b>during</b> 7:20, 47:2, 52:2, 52:9, 63:11, 63:23, 66:1, 66:9, 82:6, 82:12, 87:8, 95:24, 96:8, 110:4, 111:10, 145:10, 160:13 <b>dusk</b> 157:16 <b>dust</b> 71:19 <b>dustin</b> 11:6 <b>dwelling</b> 144:17, 162:6 <hr/> <b>E</b> <hr/> <b>e-l-d-a-d-a-h</b> 41:1 <b>e-mail</b> 73:18 <b>each</b> 4:25, 9:1, 14:15, 43:1, 81:1, 179:10, 192:7 <b>earlier</b> 11:22, 31:19, 59:9, 67:15, 77:7, 85:7, 85:13, 113:18,	134:9, 138:15, 143:4, 157:15, 158:18, 160:25, 189:14 <b>early</b> 7:12, 37:15, 80:19, 85:7, 86:25, 87:3, 88:6, 131:17, 184:9 <b>earth</b> 48:25, 101:24, 133:14, 134:8 <b>earth's</b> 97:25 <b>easier</b> 6:15, 78:19 <b>easily</b> 87:21, 107:3, 162:8 <b>east</b> 59:3, 134:17, 142:19, 149:16 <b>eastern</b> 141:19, 143:12, 143:17, 144:18 <b>eat</b> 114:12 <b>echo</b> 119:10 <b>eco</b> 13:24 <b>ecologic</b> 91:2 <b>ecology</b> 13:25 <b>ecs</b> 125:6, 127:15, 127:24 <b>edge</b> 84:16, 95:19, 175:25 <b>ednor</b> 141:24, 144:15, 145:9, 145:14 <b>educate</b> 67:24, 86:19, 103:14, 103:17,
--	--	--	---

<p>140:22 <b>educated</b> 20:12, 20:13 <b>education</b> 20:25, 75:20, 75:23, 198:9 <b>educational</b> 202:21 <b>effect</b> 48:9, 51:9, 51:10, 54:8, 63:21, 63:24, 80:19, 91:22, 98:25, 101:7, 103:22 <b>effective</b> 57:19 <b>effectively</b> 79:14, 80:16, 94:18, 147:16 <b>effects</b> 44:25, 98:10, 130:5 <b>efficient</b> 48:24 <b>effluent</b> 93:12, 117:16, 133:1, 133:23, 136:12, 161:21 <b>effluents</b> 115:7, 116:22, 116:24 <b>effort</b> 36:16, 68:13, 68:17, 81:5, 87:10 <b>efforts</b> 40:8, 67:25, 92:10 <b>eight</b> 75:24, 77:3, 161:15, 161:20, 161:25, 162:6 <b>either</b> 24:3, 35:12, 75:6, 79:4, 94:25, 105:5, 105:8, 135:8,</p>	<p>185:7 <b>elaborate</b> 39:7, 42:7, 45:1, 62:17, 64:21, 68:20, 86:21, 91:21, 113:18, 125:13 <b>eldadah's</b> 55:2, 91:1, 99:2, 114:12 <b>eldadahb@gmail</b> 41:3 <b>electronically</b> 203:5 <b>element</b> 46:12, 124:22 <b>elements</b> 48:14, 86:2, 98:13, 124:20, 128:10, 193:21, 193:24 <b>elevated</b> 94:24 <b>elevation</b> 142:21, 142:25, 186:2, 200:23 <b>elevations</b> 61:21, 61:24, 62:15, 158:21, 185:8, 188:8, 188:9 <b>eligible</b> 169:9 <b>eliminate</b> 7:21 <b>eliminated</b> 180:20 <b>elimination</b> 45:2 <b>else</b> 8:22, 33:10, 53:19, 107:4, 112:11, 118:7, 131:3, 137:25, 162:13, 176:25, 195:23, 196:17, 201:15 <b>else's</b> 201:21</p>	<p><b>email</b> 5:20, 5:24, 11:3, 11:6, 22:15, 29:4, 29:7, 38:16, 38:17, 40:24, 41:2, 69:17, 73:21, 140:7, 163:25, 164:3, 183:1, 183:4 <b>emailed</b> 25:8, 25:9 <b>emailing</b> 104:17 <b>emanated</b> 52:8 <b>emanates</b> 46:17 <b>embalmed</b> 35:8 <b>embalming</b> 42:11, 45:16, 45:17, 45:23, 124:21 <b>embarked</b> 32:12, 178:18 <b>embody</b> 193:21 <b>emitting</b> 43:16 <b>employed</b> 203:6, 204:6 <b>employees</b> 58:1 <b>employment</b> 122:1 <b>encountered</b> 91:5 <b>encourage</b> 65:19 <b>end</b> 8:14, 36:6, 69:22, 86:15, 90:15, 90:20, 106:6, 122:17, 187:14, 189:10, 198:23 <b>energy</b> 168:21, 184:9</p>	<p><b>engineer</b> 84:11, 107:23, 140:10, 140:14, 158:16 <b>engineer's</b> 141:1 <b>engineering</b> 108:15, 140:14 <b>engineers</b> 99:6, 102:14, 111:8 <b>engraved</b> 89:21 <b>enhanced</b> 91:1 <b>enjoy</b> 61:14, 67:18 <b>enough</b> 10:19, 19:7, 41:25, 48:6, 61:24, 70:11, 89:14, 93:3, 97:4, 97:16, 104:11, 173:24, 178:25 <b>enriched</b> 115:7 <b>ensure</b> 49:4, 49:8, 58:16 <b>ensures</b> 59:13 <b>ensuring</b> 123:3 <b>entail</b> 152:21 <b>enter</b> 59:11, 188:5 <b>entering</b> 187:6, 187:7 <b>entire</b> 11:20, 82:12, 86:12, 121:12, 125:7, 134:18, 143:14, 151:5, 151:10, 151:23, 160:11 <b>entirely</b> 134:22, 141:11</p>
--	--	---	---

<p><b>entitled</b> 14:8, 103:6 <b>entity</b> 91:2 <b>entrance</b> 59:14, 59:17, 62:5, 156:7, 156:8, 156:9, 188:21, 188:23, 188:24, 190:25, 191:2, 191:19, 192:3 <b>entrepreneur</b> 33:16 <b>entry</b> 59:20, 60:2, 86:3, 147:10 <b>environment</b> 30:15, 49:5, 53:6, 70:2, 70:21, 92:14, 96:2, 131:18, 194:15 <b>environmental</b> 11:11, 15:8, 15:14, 19:21, 20:8, 20:12, 20:15, 22:3, 22:5, 22:25, 23:4, 23:8, 23:17, 24:22, 25:6, 25:11, 25:15, 25:20, 25:23, 25:24, 26:3, 26:6, 28:15, 32:24, 42:4, 43:11, 44:25, 45:3, 49:3, 49:6, 49:9, 52:14, 58:15, 67:7, 71:6, 81:3, 81:4, 81:7, 85:16, 119:21, 120:9, 120:13, 121:10, 121:16, 126:20, 127:11, 148:7, 148:9,</p>	<p>150:5, 150:15, 150:21, 163:3, 197:12 <b>environmentalist</b> 19:13, 99:5 <b>environmentally</b> 25:14, 33:3, 36:14, 45:9, 45:14, 77:9, 77:11, 91:2, 152:14 <b>environmets</b> 146:20 <b>epa</b> 14:14, 57:8, 95:3, 95:6 <b>equal</b> 50:13, 50:15 <b>equates</b> 49:21 <b>equipment</b> 60:8, 60:9 <b>equivalent</b> 50:18, 50:23, 115:17 <b>erosion</b> 148:1 <b>especially</b> 81:1, 98:25, 128:24, 153:1, 194:16 <b>esquire</b> 2:3 <b>essence</b> 178:24 <b>essential</b> 155:16 <b>essentially</b> 115:2 <b>est</b> 1:15, 106:21 <b>establish</b> 31:18, 159:22 <b>established</b> 15:11, 19:22, 88:17, 159:23 <b>establishing</b> 148:10</p>	<p><b>establishment</b> 148:4, 156:3, 156:5, 156:9 <b>estimate</b> 51:4, 66:7, 74:13 <b>estimated</b> 7:11 <b>et</b> 187:9 <b>etched</b> 35:18 <b>etemadi</b> 3:8, 106:3, 107:2, 107:5, 107:10, 107:15, 107:18, 107:19, 107:22, 108:2, 108:4, 108:6, 108:9, 108:14, 108:17, 108:19, 109:6, 109:8, 109:10, 109:14, 109:24, 110:1, 110:7, 110:16, 110:19, 110:24, 111:1, 111:5, 111:18, 111:21, 111:24, 112:5, 112:13, 112:16, 112:17 <b>etemadi's</b> 108:24, 110:10, 113:14 <b>eu</b> 14:11 <b>europe</b> 16:21, 52:12, 57:3 <b>european</b> 14:8, 55:9, 57:5, 103:4, 104:10, 117:13, 198:3 <b>evaluate</b> 123:14 <b>evaluated</b> 120:20</p>	<p><b>evaluation</b> 120:3, 123:19, 127:24 <b>even</b> 13:24, 14:10, 14:12, 44:20, 50:4, 51:15, 79:24, 87:5, 89:11, 90:8, 92:25, 93:5, 94:21, 96:23, 97:23, 102:4, 104:14, 126:1, 132:19, 152:20, 152:22, 166:4, 178:23, 186:9 <b>evening</b> 22:13, 65:1 <b>event</b> 11:1, 110:2, 165:2 <b>events</b> 39:17 <b>eventually</b> 14:6, 27:25, 132:17, 133:18, 166:17, 168:10 <b>ever</b> 36:23, 73:1, 75:5, 79:19, 91:19, 91:25, 95:21, 99:7, 99:10, 108:14, 133:14, 164:14, 177:23, 183:23 <b>everett</b> 74:24 <b>evergreen</b> 175:6 <b>every</b> 20:7, 47:16, 50:10, 87:13, 136:7, 136:18, 168:9, 170:14 <b>everybody</b> 105:19, 114:7, 122:4, 140:22, 201:15</p>
---	---	--	---

<p><b>everybody's</b> 119:11 <b>everyone</b> 23:16, 202:9, 202:19 <b>everyone's</b> 140:23 <b>everything</b> 8:22, 10:24, 24:21, 57:1, 79:2, 107:4, 150:14, 151:10, 169:19, 193:10, 197:6, 198:14 <b>evidence</b> 4:6, 4:13, 16:2, 17:14, 52:3, 71:11, 93:7, 143:15, 143:17, 143:22 <b>evolved</b> 62:16 <b>exact</b> 94:3 <b>exactly</b> 23:16, 81:6, 128:25, 166:12, 189:17, 193:13, 195:24, 196:9, 196:12 <b>examination</b> 4:17, 55:16, 92:15 <b>examine</b> 110:20 <b>examined</b> 125:18, 125:19 <b>examiner's</b> 113:17 <b>example</b> 12:9, 20:15, 55:24, 66:24, 68:15, 170:25, 171:1, 171:25, 172:6 <b>examples</b> 98:21 <b>excavations</b> 125:8, 127:5</p>	<p><b>excavator</b> 125:16 <b>exceed</b> 12:11, 12:24, 13:8, 64:25, 150:23, 157:11, 162:8, 162:18 <b>exceeding</b> 151:24 <b>excellent</b> 48:22, 96:20, 128:23, 129:4, 129:15, 134:22, 182:6, 197:22 <b>except</b> 40:7, 57:1, 66:1, 94:18, 95:8, 98:3 <b>exception</b> 22:23, 72:14, 169:5 <b>excitement</b> 184:10 <b>exclusively</b> 74:7 <b>excrete</b> 139:3 <b>excreted</b> 138:23 <b>excreting</b> 53:2, 139:6 <b>excuse</b> 89:24 <b>excused</b> 79:8, 138:7 <b>executive</b> 64:4, 64:16 <b>exert</b> 103:22 <b>exerts</b> 54:8 <b>exhausted</b> 56:10, 56:12 <b>exhibit</b> 77:16, 78:9, 78:17, 86:24, 141:1, 141:3, 142:5, 142:13,</p>	<p>144:2, 145:3, 145:18, 145:25, 148:21, 149:6, 149:7, 149:14, 153:16, 156:19, 157:23, 158:13, 170:1, 170:18, 171:24, 172:22, 174:11, 178:17, 179:5, 179:6, 179:21, 185:25, 188:12, 188:19 <b>exhibit's</b> 146:9 <b>exhibits</b> 68:5, 140:19, 170:23 <b>exist</b> 46:8, 179:16, 197:5 <b>existing</b> 37:10, 70:3, 87:2, 87:9, 88:2, 88:20, 146:16, 173:24, 174:14, 175:9, 175:10 <b>exit</b> 14:1, 192:5 <b>expanding</b> 75:12 <b>expands</b> 148:17 <b>expansive</b> 70:16 <b>expect</b> 5:14, 30:14, 43:20, 43:21, 53:18, 58:5, 62:12, 62:23, 63:10, 63:16, 63:18, 64:2, 64:5, 66:3, 66:15, 66:22, 67:3, 67:6, 67:22, 71:21, 116:10 <b>expectation</b> 43:2, 47:20</p>	<p><b>expected</b> 50:10 <b>expense</b> 40:8, 49:8 <b>experience</b> 20:25, 21:2, 47:14, 85:23, 91:4, 91:17, 120:12, 121:11, 161:2, 187:11, 192:18, 195:20, 198:1 <b>experienced</b> 141:12 <b>expert</b> 39:24, 39:25, 73:1, 75:6, 75:10, 75:13, 76:1, 76:11, 76:12, 108:15, 108:25, 120:6, 120:9, 140:9, 140:14, 164:15, 165:3, 183:24, 184:2, 184:5 <b>expertise</b> 7:18, 28:2, 76:4, 99:4 <b>experts</b> 8:19, 26:3 <b>expiration</b> 20:2 <b>expiring</b> 200:9 <b>explain</b> 28:20, 34:21, 34:24, 62:14, 78:9, 111:6, 123:3, 126:15, 135:14, 185:3 <b>explained</b> 27:3, 153:2 <b>explanation</b> 44:5, 80:14 <b>exposure</b> 79:10, 161:2 <b>expressed</b> 68:8, 68:12</p>
--	--	--	--

<p><b>extend</b> 196:6</p> <p><b>extended</b> 13:2</p> <p><b>extensive</b> 49:25, 162:1</p> <p><b>extent</b> 137:20</p> <p><b>extenuate</b> 154:6</p> <p><b>exterior</b> 62:21, 62:25, 201:23</p> <p><b>extra</b> 173:18</p> <p><b>extracted</b> 93:18</p> <p><b>extreme</b> 84:17</p> <p><b>extremely</b> 53:8</p> <hr/> <p style="text-align: center;"><b>F</b></p> <hr/> <p><b>f</b> 158:13</p> <p><b>face</b> 5:5, 112:21, 112:23, 163:11</p> <p><b>facilitated</b> 77:17</p> <p><b>facilitates</b> 93:14</p> <p><b>facilities</b> 24:6, 109:12, 109:16, 160:4, 160:12</p> <p><b>facing</b> 195:8</p> <p><b>fact</b> 10:23, 17:16, 69:9, 80:21, 91:9, 93:11, 93:12, 98:11, 98:23, 117:13, 123:8, 131:11, 199:16</p> <p><b>factor</b> 125:23</p>	<p><b>fail</b> 12:8, 12:9</p> <p><b>failed</b> 120:23</p> <p><b>failure</b> 117:24</p> <p><b>fair</b> 21:1, 39:1, 70:10</p> <p><b>fairland</b> 12:13</p> <p><b>fairly</b> 130:18, 156:1, 158:17, 163:9, 200:6</p> <p><b>fall</b> 101:15</p> <p><b>falls</b> 13:9</p> <p><b>familiar</b> 55:8, 108:21, 122:3, 124:9</p> <p><b>familiarity</b> 41:21</p> <p><b>familiarized</b> 124:8</p> <p><b>families</b> 32:23, 43:25, 60:5</p> <p><b>family</b> 61:15, 65:24, 75:1, 123:10, 144:16, 145:8, 171:12, 187:9, 195:21</p> <p><b>family's</b> 44:11</p> <p><b>far</b> 40:9, 79:18, 91:2, 120:20, 129:18, 133:2, 137:20, 160:4, 162:18, 166:14, 194:23, 198:4</p> <p><b>farber</b> 115:22, 138:20</p> <p><b>farm</b> 123:10</p>	<p><b>farmland</b> 39:10</p> <p><b>fashion</b> 48:16, 127:6</p> <p><b>faucet</b> 137:14</p> <p><b>fault</b> 117:22</p> <p><b>façade</b> 190:25, 191:13, 192:14, 195:7</p> <p><b>fda</b> 14:14, 57:8</p> <p><b>feature</b> 24:4</p> <p><b>featured</b> 75:18</p> <p><b>features</b> 34:22, 140:22, 150:6</p> <p><b>feces</b> 53:3</p> <p><b>feedback</b> 68:10</p> <p><b>feeder</b> 12:22, 13:12</p> <p><b>feel</b> 51:8, 51:9, 71:11, 166:21, 187:3, 189:15, 191:10, 192:9, 193:2, 194:12, 194:13, 194:20, 195:12</p> <p><b>feeling</b> 123:11</p> <p><b>feelings</b> 11:14</p> <p><b>feet</b> 18:12, 18:13, 43:14, 43:19, 49:24, 50:5, 50:8, 50:11, 50:13, 50:14, 53:24, 53:25, 60:15, 62:10, 62:11, 79:8, 88:5, 95:19,</p>	<p>125:8, 129:14, 129:20, 133:22, 134:7, 134:8, 136:11, 141:23, 141:24, 142:22, 142:25, 143:5, 147:1, 147:7, 147:8, 148:14, 148:16, 148:18, 153:9, 153:10, 153:12, 153:13, 162:4, 191:5</p> <p><b>felt</b> 25:13, 33:25, 37:2, 37:11, 69:7, 76:20, 130:5, 145:16</p> <p><b>fence</b> 180:13</p> <p><b>fencing</b> 158:4</p> <p><b>fertilizers</b> 12:2, 79:18, 152:20</p> <p><b>few</b> 16:21, 35:7, 36:8, 64:6, 124:11, 133:21, 136:11, 138:21, 166:24</p> <p><b>field</b> 76:23, 119:22, 125:15, 127:16, 128:1, 141:18, 164:15</p> <p><b>fields</b> 60:25, 61:1</p> <p><b>fieldwork</b> 166:3, 166:8</p> <p><b>figure</b> 26:25, 46:18, 46:24</p> <p><b>figured</b> 96:21</p> <p><b>file</b> 61:21</p> <p><b>filed</b> 11:12, 71:1</p>
---	---	--	--

<b>filing</b> 11:22, 21:11 <b>filings</b> 21:8 <b>filled</b> 34:8, 102:12 <b>filter</b> 56:3, 102:9 <b>filtered</b> 50:12, 50:13, 50:14, 51:7, 124:6, 133:23 <b>filtering</b> 16:4 <b>filtration</b> 50:18, 51:3, 102:13, 122:15, 129:4, 129:15, 160:1 <b>final</b> 62:20, 95:2, 167:14, 167:19, 169:12, 169:13, 197:21 <b>finally</b> 17:5, 128:10 <b>financial</b> 203:8, 204:8 <b>find</b> 21:17, 23:25, 24:7, 26:10, 37:6, 59:18, 117:19, 162:7, 166:1, 193:22, 194:18, 197:16, 198:25 <b>finding</b> 117:18 <b>findings</b> 125:13 <b>fine</b> 8:14, 9:16, 18:17, 28:8, 31:2, 56:15, 114:9, 117:6, 133:5, 174:7, 176:9 <b>fine-grained</b> 128:24, 129:8	<b>finish</b> 105:9 <b>finished</b> 34:2, 39:2, 62:12, 69:23, 182:1 <b>fire</b> 58:6, 75:4, 162:3 <b>firm</b> 6:5, 74:1, 74:3, 125:6, 127:25, 140:4 <b>firms</b> 183:14 <b>first</b> 4:17, 7:3, 7:19, 8:6, 8:10, 8:18, 11:23, 16:11, 23:6, 23:23, 28:3, 28:19, 31:18, 32:13, 35:1, 35:8, 51:17, 59:12, 60:13, 60:16, 60:17, 60:22, 69:10, 73:1, 75:18, 76:12, 76:25, 90:9, 100:2, 100:23, 118:19, 123:9, 126:18, 127:9, 128:19, 129:22, 131:6, 133:12, 133:17, 141:1, 147:6, 163:16, 164:23, 164:25, 165:18, 165:22, 166:25, 182:14, 182:15, 187:1, 187:11, 187:23, 190:14, 191:16, 192:3, 196:23, 198:1 <b>fit</b> 62:22, 141:13 <b>fits</b> 145:6	<b>five</b> 10:19, 10:23, 51:2, 60:18, 85:8, 87:21, 176:18 <b>fixtures</b> 157:8, 157:9 <b>flag</b> 83:4, 83:24, 85:19, 87:23, 141:16, 141:18, 156:14, 186:19 <b>flat</b> 35:4, 35:17, 80:5, 89:21 <b>flavor</b> 90:23 <b>fleming</b> 127:1, 127:3, 127:13, 127:14, 127:20 <b>fleming's</b> 127:8 <b>flexibility</b> 173:15 <b>float</b> 162:21 <b>flood</b> 150:9, 150:16 <b>flooding</b> 148:1 <b>floodplain</b> 166:4 <b>floodplains</b> 150:7 <b>floodway</b> 81:18 <b>floor</b> 79:23, 147:15, 190:13 <b>florida</b> 95:24 <b>flow</b> 12:22, 13:10, 13:11, 13:17, 45:4, 56:8, 82:20, 117:16, 132:16, 132:17, 133:16, 133:18, 134:1, 134:2, 134:11, 134:12, 134:14, 136:14, 136:19 <b>flows</b> 12:15, 13:10, 97:20, 136:14, 143:9, 143:10 <b>fluent</b> 19:6 <b>fluid</b> 12:17, 16:17, 49:20, 51:16 <b>flurry</b> 68:25 <b>focus</b> 31:1, 115:1, 115:4 <b>focuses</b> 115:5 <b>folks</b> 65:18 <b>follow</b> 4:23, 68:20, 109:14, 138:1, 197:10 <b>follow-up</b> 69:3, 117:4 <b>followed</b> 77:12, 87:14, 126:12 <b>following</b> 133:15, 150:6 <b>follows</b> 88:16 <b>foot</b> 50:15, 50:16, 51:6, 79:11, 144:7, 154:20, 154:22, 189:15 <b>footcandle</b> 157:3, 157:10, 157:21 <b>footcandles</b> 157:11 <b>footprint</b> 13:1, 13:2,
---	--	--

62:10, 62:19 <b>force</b> 173:16 <b>foregoing</b> 203:3, 204:2 <b>forest</b> 34:23, 36:4, 79:23, 80:23, 80:24, 83:19, 86:17, 87:17, 89:18, 90:18, 90:20, 142:14, 143:16, 145:18, 165:10, 165:11, 165:13, 165:17, 165:23, 166:9, 166:13, 166:16, 166:17, 166:19, 167:10, 167:14, 167:17, 167:21, 169:7, 169:12, 169:13, 170:5, 173:21, 173:24, 173:25, 176:11, 187:7 <b>forested</b> 89:23, 134:22, 143:14 <b>forever</b> 81:23 <b>forewarn</b> 27:15 <b>forget</b> 169:16, 169:17, 179:5 <b>forgot</b> 6:20, 19:4, 97:2 <b>form</b> 69:17, 142:24, 143:11 <b>formaldehyde</b> 45:17 <b>formalities</b> 4:16 <b>forms</b> 80:3 <b>forth</b> 79:3	<b>forthcoming</b> 72:16 <b>fortunately</b> 16:20, 20:3 <b>forum</b> 10:1, 11:9, 23:11 <b>forward</b> 155:9, 202:22 <b>forwarded</b> 127:13 <b>foster</b> 65:19 <b>fouled</b> 58:11 <b>found</b> 16:8, 21:22, 36:23, 46:7, 50:3, 50:4, 50:6, 56:2, 95:6, 122:10, 125:9, 125:15, 126:5, 127:11, 128:1 <b>foundation</b> 84:22 <b>four</b> 10:19, 10:23, 51:2, 51:4, 66:7, 85:8, 86:6, 92:7, 98:17, 108:6, 133:22, 188:25, 189:2, 190:17, 190:21, 200:24 <b>fractured</b> 13:15, 13:17, 97:23, 98:1, 133:15 <b>frailty</b> 46:22 <b>frame</b> 67:21 <b>framework</b> 84:22 <b>frank</b> 193:13 <b>frankly</b> 77:4, 178:22	<b>frederick</b> 119:23, 120:14 <b>friday</b> 1:14, 66:10 <b>friendly</b> 33:3, 35:13, 45:14 <b>friends</b> 61:15 <b>frightening</b> 46:2 <b>front</b> 146:25, 147:9, 149:20, 153:8, 153:10, 153:11, 154:21, 158:4, 174:13, 177:9, 177:20, 179:24, 180:11, 180:19, 181:4, 185:21, 187:24, 188:4, 192:2, 195:1, 198:15, 201:4 <b>frontage</b> 189:16 <b>fuel</b> 12:16 <b>full</b> 57:14, 78:14, 80:20, 157:19 <b>fully</b> 31:18 <b>function</b> 9:14, 82:3 <b>functioning</b> 82:11 <b>funding</b> 41:18 <b>funeral</b> 23:25, 33:14, 44:1, 44:2, 45:19, 66:15, 75:15, 75:20, 98:3, 111:25 <b>funerals</b> 37:4, 67:9, 111:17 <b>further</b> 12:1, 39:20,	41:15, 59:18, 61:4, 72:2, 72:14, 115:19, 133:5, 135:6, 147:13, 148:17, 162:10, 163:5, 176:23 <b>furtherance</b> 31:22 <b>future</b> 71:7, 145:16, 146:15 <hr/> <b>G</b> <hr/> <b>g-e-n-e</b> 118:19 <b>g-o-o-d-n-o-e</b> 73:20 <b>gain</b> 33:22 <b>gallon</b> 50:13 <b>gallons</b> 49:22, 50:12, 50:14, 50:15 <b>gasoline</b> 12:16 <b>gasses</b> 93:4 <b>gate</b> 59:15, 59:17, 86:3, 188:21 <b>gather</b> 21:5 <b>gathered</b> 116:12 <b>gathering</b> 59:22 <b>gave</b> 138:15 <b>gazebo</b> 187:2 <b>gene</b> 3:9, 112:24, 118:18, 119:5, 128:14 <b>general</b> 67:17, 136:3
---	--	--	--

<b>generate</b> 111:25 <b>generation</b> 64:24, 111:9 <b>genesis</b> 186:12 <b>genetically</b> 98:25 <b>genotoxic</b> 13:20 <b>gentleman</b> 59:1, 86:17, 123:9 <b>gentlemen</b> 72:15 <b>geologist</b> 125:18 <b>geology</b> 125:6, 125:7, 132:14 <b>george</b> 118:20 <b>george's</b> 11:19 <b>gestation</b> 197:1 <b>getting</b> 97:24, 132:10 <b>give</b> 6:10, 9:24, 19:7, 38:16, 41:11, 41:14, 42:7, 51:2, 62:7, 64:13, 65:15, 72:25, 73:3, 74:13, 74:19, 75:1, 88:21, 93:23, 139:18, 158:19, 163:16, 167:10, 179:7, 182:16, 182:17, 188:11, 196:8, 199:16, 200:8, 201:16 <b>given</b> 48:7, 64:14, 76:10, 81:22, 98:16, 134:8,	147:15 <b>giver</b> 33:16 <b>gives</b> 90:6, 142:15, 144:10, 144:23, 157:20, 171:24 <b>giving</b> 10:2, 183:13, 184:6 <b>glad</b> 55:14, 83:2, 165:2, 184:21 <b>glascoek</b> 140:5 <b>glass</b> 192:12 <b>glues</b> 79:7 <b>goal</b> 39:2, 147:21 <b>goals</b> 43:12, 148:2, 151:1 <b>goes</b> 6:15, 97:12, 129:24, 132:20, 133:12, 136:13, 178:17 <b>gold</b> 100:21, 100:24, 100:25, 101:21 <b>golf</b> 58:3, 73:10, 144:25, 145:1 <b>gone</b> 18:16, 24:17, 27:19, 119:12, 124:12, 197:13 <b>good</b> 6:4, 6:9, 7:4, 9:17, 10:9, 19:4, 24:16, 37:11, 47:9, 77:24, 78:18, 80:14, 84:16, 89:13, 97:3, 97:13, 107:19,	119:18, 124:23, 141:2, 142:9, 142:16, 144:10, 152:8, 172:17, 178:16, 198:22, 199:7 <b>goodnoe</b> 3:7, 73:2, 73:5, 73:9, 73:12, 73:16, 73:19, 74:2, 74:3, 74:4, 74:10, 74:15, 74:21, 75:5, 75:10, 76:1, 76:14, 76:20, 76:25, 77:13, 77:24, 77:25, 78:13, 78:18, 82:17, 82:20, 82:24, 83:2, 83:16, 83:19, 83:25, 84:5, 84:9, 84:13, 86:14, 86:22, 86:25, 88:19, 90:13, 90:17, 90:25, 91:7, 91:17, 91:23, 92:7, 92:24, 94:1, 94:10, 94:13, 94:16, 95:18, 96:6, 96:15, 96:25, 97:3, 97:11, 97:13, 98:5, 99:2, 99:10, 99:18, 99:20, 100:4, 143:4, 153:2, 167:2, 193:9 <b>goodnoe's</b> 77:16, 100:9, 170:23 <b>google</b> 46:6 <b>googled</b> 16:7	<b>gorge</b> 11:17, 12:8, 12:23, 14:25, 15:1, 70:9, 143:9, 147:23 <b>gotten</b> 27:17, 172:3, 178:3 <b>government</b> 126:13 <b>gradient</b> 92:19 <b>grading</b> 85:15 <b>gradually</b> 13:1, 129:24 <b>granted</b> 160:17, 160:22 <b>graphically</b> 154:1 <b>graphics</b> 30:7, 180:10 <b>grass</b> 33:6 <b>grasses</b> 89:1 <b>gratuitous</b> 173:18 <b>grave</b> 32:16, 35:16, 35:17, 42:18, 42:20, 42:21, 42:24, 43:1, 43:10, 43:14, 43:17, 43:19, 43:21, 43:24, 45:11, 50:9, 50:11, 123:16, 127:17, 134:7, 168:14, 171:19 <b>gravel</b> 13:3, 129:6 <b>graves</b> 34:8, 34:13, 35:23, 36:2, 36:8, 43:4, 43:9, 43:13, 51:12, 53:24,
--	--	---	--

<p>61:15, 91:15, 98:12, 124:4, 132:12, 133:13, 171:3, 171:19 <b>gravesite</b> 49:23, 125:10 <b>gravesites</b> 34:3, 159:21, 171:2, 172:5 <b>graveyard</b> 35:4 <b>gravity</b> 98:1, 133:16, 133:18, 134:12 <b>great</b> 15:19, 17:14, 20:11, 27:13, 53:10, 57:3, 77:23, 98:20, 149:11, 154:15, 165:21, 188:10, 190:23 <b>greater</b> 53:19, 94:20, 130:18, 146:25, 150:8, 151:2, 161:21, 161:24 <b>greatly</b> 56:23, 117:15 <b>green</b> 11:14, 24:1, 24:4, 29:24, 31:18, 31:20, 32:14, 32:25, 33:1, 33:5, 33:6, 35:7, 42:4, 42:10, 43:5, 43:6, 43:8, 43:12, 43:18, 44:8, 44:17, 45:5, 47:8, 48:23, 55:10, 57:4, 57:14, 57:19, 59:22, 67:7, 67:9, 68:14, 68:16, 68:18, 68:19, 69:8,</p>	<p>69:10, 69:11, 70:7, 70:13, 72:11, 74:11, 74:21, 75:18, 76:24, 77:6, 78:8, 78:21, 79:19, 81:2, 87:2, 88:4, 88:8, 88:20, 89:6, 89:9, 92:22, 93:12, 93:13, 94:11, 94:13, 94:18, 94:21, 95:15, 95:23, 95:25, 98:15, 115:14, 124:9, 124:17, 124:18, 172:23, 173:3, 189:4 <b>greener</b> 78:10 <b>greens</b> 68:23, 144:24 <b>greer</b> 6:9, 203:2, 203:13 <b>greeted</b> 186:25 <b>groaned</b> 146:6 <b>groopman</b> 183:17 <b>ground</b> 13:11, 16:1, 16:18, 18:9, 18:13, 20:16, 31:18, 32:18, 33:8, 35:17, 35:21, 42:15, 42:25, 44:6, 45:8, 45:19, 46:11, 49:6, 53:4, 56:2, 61:4, 69:10, 69:14, 71:16, 71:17, 80:4, 89:24, 91:20, 91:22, 92:2,</p>	<p>92:14, 92:18, 96:8, 96:9, 98:1, 98:13, 101:4, 101:5, 127:12, 132:12, 179:8, 179:9, 180:20, 193:12 <b>grounds</b> 16:23, 31:20, 33:5, 61:9, 63:13, 66:23, 69:11, 115:13, 115:14 <b>groundskeeping</b> 60:8, 64:6, 64:18 <b>groundwater</b> 16:3, 25:21, 49:13, 92:21, 93:8, 93:19, 94:6, 95:1, 95:7, 105:6, 124:20, 125:9, 130:21, 131:9, 131:12, 160:2 <b>group</b> 43:25 <b>groups</b> 66:24, 67:5, 67:7, 172:5, 195:18 <b>grow</b> 64:5 <b>growing</b> 36:3, 77:5, 189:1 <b>growth</b> 44:17, 80:17 <b>guarantee</b> 10:18 <b>guess</b> 6:16, 16:18, 21:1, 27:8, 31:10, 31:12, 46:1, 49:11, 62:15, 66:4, 69:20, 84:5, 85:1, 87:6,</p>	<p>93:2, 104:1, 113:16, 117:22, 126:10, 126:15, 157:2, 158:11, 161:4, 161:15, 162:14, 165:19, 167:23, 168:12, 170:4, 173:2, 174:7, 196:23, 198:13, 201:18 <b>guessing</b> 85:22, 164:22 <b>guidance</b> 43:7 <b>guide</b> 10:7 <b>guidelines</b> 25:21, 25:24, 26:4, 26:6, 26:7, 88:16, 109:14, 109:15, 148:7, 148:9, 150:5, 150:15, 150:21, 168:18 <b>gunten</b> 3:9, 106:1, 112:20, 112:25, 113:4, 113:6, 114:8, 118:14, 118:15, 118:18, 118:20, 119:2, 119:5, 119:8, 119:13, 119:14, 119:18, 119:19, 119:21, 120:2, 120:6, 120:13, 120:20, 120:24, 121:1, 121:7, 122:1, 122:9, 122:21, 123:6, 124:2, 124:3, 124:10, 124:18, 125:5, 125:12, 125:16, 125:25, 126:11, 126:18, 126:24, 127:1, 127:3, 127:9, 128:3, 128:16,</p>
--	--	--	---

<p>128:18, 129:9, 129:19, 129:22, 130:8, 131:5, 131:21, 132:1, 132:5, 132:10, 132:24, 133:4, 133:6, 133:17, 134:15, 135:8, 135:14, 136:22, 136:25, 138:7, 138:9 <b>gunten's</b> 137:4 <b>guy</b> 191:2 <b>guys</b> 151:7</p> <hr/> <p><b>H</b></p> <p><b>h</b> 142:5, 142:13 <b>habitat</b> 150:10 <b>hadco</b> 179:10 <b>half</b> 75:17, 85:9 <b>half-life</b> 47:17 <b>halfway</b> 77:2 <b>hall</b> 187:23, 187:24, 188:1, 189:11, 191:20, 191:22, 191:23, 192:11, 192:15 <b>hampshire</b> 4:4, 58:7, 59:2, 59:12, 60:15, 60:24, 66:16, 68:23, 141:21, 141:24, 142:20, 144:24, 147:2, 147:12, 151:21, 154:7, 154:12, 154:19, 156:8, 162:25,</p>	<p>166:11, 175:11, 175:12, 201:8 <b>hand</b> 5:4, 5:6, 5:7, 5:8, 5:13, 6:19, 10:13, 28:6, 28:22, 38:2, 40:14, 40:18, 43:22, 55:16, 73:12, 79:24, 87:1, 99:15, 107:11, 118:23, 129:25, 130:3, 134:25, 135:2, 137:2, 139:22, 163:19, 169:21, 178:10, 179:3, 181:19, 182:14, 182:18, 182:20, 201:24 <b>handle</b> 45:20 <b>handled</b> 95:12 <b>handling</b> 102:8 <b>hang</b> 7:23, 106:13 <b>hannan's</b> 97:6 <b>happen</b> 23:10, 31:4, 49:19, 86:7, 131:10 <b>happened</b> 22:21, 63:3 <b>happening</b> 31:9, 37:4, 50:23, 51:3, 71:15, 195:21 <b>happens</b> 35:24, 47:14, 79:9, 92:4 <b>happy</b> 18:3, 43:14, 71:10, 104:9 <b>hard</b> 35:11, 78:23,</p>	<p>80:13, 80:15, 81:17, 85:21, 86:10, 141:10, 180:9, 181:3, 199:13 <b>hardwood</b> 35:22, 42:12, 80:20, 80:23, 80:24, 83:19, 167:10 <b>hardwoods</b> 45:13 <b>harm</b> 36:14, 71:18 <b>harmless</b> 53:11, 133:21 <b>harmonious</b> 69:24, 192:21, 194:14 <b>haroon</b> 3:5, 28:7, 29:5, 31:7, 37:25, 38:10, 40:7, 42:9, 43:2, 44:23, 59:9, 196:24 <b>haroon's</b> 30:5 <b>haroonm@gmail</b> 29:7, 38:17 <b>hart</b> 66:7 <b>hate</b> 183:12 <b>hazardous</b> 14:11, 15:25 <b>heading</b> 117:6 <b>heads</b> 201:17 <b>headstone</b> 79:21 <b>health</b> 17:12, 30:15, 36:15, 42:3, 93:17, 94:2, 94:4, 119:21, 120:9, 120:14,</p>	<p>121:10, 121:16, 126:21, 127:11 <b>healthy</b> 13:22, 80:23 <b>hear</b> 14:22, 18:19, 19:1, 27:25, 40:2, 91:3, 105:19, 105:20, 113:4, 118:5, 119:9, 119:10, 120:11, 122:6, 128:16, 163:14, 182:11, 182:12 <b>heard</b> 6:11, 21:23, 41:20, 84:3, 99:7, 99:10, 113:14, 122:17, 123:2, 160:25, 165:9 <b>hearings</b> 1:1, 164:17 <b>heavy</b> 13:9, 16:23, 134:10, 162:19, 162:20 <b>height</b> 62:8, 62:11, 83:15, 158:22 <b>held</b> 75:20, 75:23 <b>help</b> 72:18, 76:18, 76:20, 78:5, 177:17, 186:1 <b>helpful</b> 7:16, 90:15 <b>helping</b> 125:2 <b>helps</b> 35:1, 86:23, 125:23 <b>hendricks</b> 140:5 <b>herbicides</b> 12:3, 79:17, 152:19</p>
---	---	---	--

<p><b>here</b> 4:14, 5:11, 7:5, 10:20, 12:3, 12:16, 17:8, 20:9, 20:13, 21:3, 23:7, 25:18, 28:10, 31:9, 33:24, 47:6, 60:21, 68:1, 68:5, 77:12, 78:3, 78:10, 81:11, 81:17, 83:8, 85:2, 85:22, 86:10, 89:10, 94:22, 95:11, 98:6, 113:1, 122:24, 128:25, 130:9, 130:25, 158:17, 166:24, 172:21, 181:3, 181:7, 181:9, 184:10, 184:22, 184:24, 186:24, 189:13, 192:7, 192:20, 193:19 <b>hereby</b> 203:4, 204:2 <b>hey</b> 37:16 <b>hide</b> 35:9 <b>high</b> 50:2, 50:4, 50:6, 50:10, 59:4, 83:3, 98:10, 102:5, 122:16, 123:4, 124:16, 125:4, 125:20, 126:6, 131:24, 134:9, 160:1, 196:7 <b>higher</b> 24:16, 45:21 <b>highest</b> 53:25, 123:16, 142:20</p>	<p><b>highwater</b> 126:4 <b>hike</b> 39:16, 63:14, 66:23 <b>hiking</b> 60:1, 61:10 <b>hill</b> 12:20, 15:16, 134:14, 162:22, 187:24, 191:14, 193:7, 195:8 <b>hilltop</b> 81:11, 83:3 <b>himself</b> 23:15, 25:11, 73:3 <b>historic</b> 74:23, 143:22, 143:23, 143:24 <b>history</b> 32:17 <b>hit</b> 72:8, 96:9 <b>hold</b> 26:2, 28:19, 141:6, 154:8, 179:22, 190:18, 190:19, 191:7, 191:21 <b>holding</b> 195:4 <b>hole</b> 42:24 <b>holes</b> 125:17, 125:19 <b>hollings</b> 148:19 <b>home</b> 22:12, 41:1, 120:22, 136:5 <b>homeowners</b> 68:23 <b>homes</b> 95:19, 95:21, 95:22, 98:8, 136:4, 161:25 <b>homogeneity</b> 185:5</p>	<p><b>honest</b> 96:24 <b>honestly</b> 95:21, 99:7 <b>honored</b> 108:9 <b>hope</b> 17:24, 77:20, 114:12, 196:6, 197:12 <b>hopefully</b> 197:5 <b>hospice</b> 116:5 <b>hospital</b> 115:7, 116:22, 116:24 <b>hospitalization</b> 117:14 <b>hospitals</b> 117:21 <b>hour</b> 16:19, 64:25, 105:7, 105:17, 109:23, 109:24, 110:14, 110:15, 110:21, 111:4, 111:5, 111:11, 111:12, 113:17, 113:19, 114:2 <b>hours</b> 49:8, 63:11, 63:17, 63:23, 65:4, 65:5, 65:13, 66:2, 66:9, 67:23, 110:16, 111:16, 138:21, 198:13 <b>house</b> 20:13, 97:15, 161:16, 174:23, 175:10, 194:3 <b>houses</b> 97:15, 130:16, 161:16, 161:20, 193:22 <b>how's</b> 149:10</p>	<p><b>howard</b> 15:4, 24:17 <b>however</b> 6:13, 62:21, 70:12, 82:1, 150:24, 152:15 <b>huge</b> 16:25, 194:10 <b>human</b> 32:17, 48:7, 51:18, 51:23, 124:5, 128:20, 194:12 <b>humans</b> 48:8 <b>hundred</b> 136:11, 166:18 <b>hydrant</b> 58:6, 160:6 <b>hydrocarbons</b> 130:13</p> <hr/> <p style="text-align: center;"><b>I</b></p> <hr/> <p><b>idea</b> 17:21, 34:21, 40:8, 52:8, 62:15, 124:3, 124:24, 172:4, 193:10, 193:12 <b>ideally</b> 200:21, 200:24 <b>ideas</b> 37:18 <b>identified</b> 144:5, 144:21, 154:18, 155:25, 167:13, 167:16, 173:1 <b>identifies</b> 146:10, 158:8 <b>identify</b> 6:3, 25:11, 168:4, 170:8 <b>identifying</b> 62:19 <b>identity</b> 93:24 <b>ignorance</b> 7:2</p>
---	---	--	---

<p><b>ignored</b> 17:15 <b>illuminated</b> 177:10, 179:15, 180:19 <b>illumination</b> 71:19, 177:16, 177:19 <b>illustrative</b> 171:1 <b>image</b> 144:10, 144:22, 188:15 <b>images</b> 88:20, 90:14 <b>imagine</b> 35:18, 78:24, 85:4 <b>immediately</b> 76:21, 134:19, 144:14, 187:5 <b>immense</b> 36:9 <b>impact</b> 70:21, 71:22, 72:21, 99:13, 109:11, 110:5, 110:20, 159:20 <b>impacted</b> 13:3, 109:19 <b>impacts</b> 75:14, 147:13, 161:24 <b>impervious</b> 11:24, 12:10, 12:13, 12:24, 13:7, 25:24, 134:9, 134:20, 147:21, 148:3, 149:14, 150:20, 150:22, 151:2, 151:4, 151:11, 151:17, 151:25, 161:5, 161:7, 162:8, 162:15, 162:17 <b>imperviousness</b> 134:16, 161:21,</p>	<p>162:18, 162:24 <b>implemented</b> 166:23 <b>importance</b> 106:7, 197:14 <b>important</b> 4:24, 27:19, 32:3, 44:2, 45:16, 51:16, 61:11, 81:2, 82:3, 130:23, 147:11, 190:2, 192:19, 192:20, 194:24, 195:17 <b>importantly</b> 91:13 <b>imposed</b> 15:9 <b>imposition</b> 155:4 <b>impossible</b> 131:1, 137:21 <b>impressive</b> 40:9, 55:1, 72:13 <b>improvements</b> 143:21 <b>inc</b> 6:8, 11:10, 31:13, 31:14, 31:15, 41:7 <b>inch</b> 166:5 <b>inches</b> 133:21 <b>incidentally</b> 12:12 <b>include</b> 148:18, 157:13, 166:4, 167:8, 167:9 <b>included</b> 85:2, 88:20, 125:7, 150:6 <b>includes</b> 147:22 <b>including</b> 74:16, 79:2</p>	<p><b>incompatible</b> 171:6 <b>incorporate</b> 158:5, 193:21, 198:16 <b>incorporated</b> 31:16, 86:10, 197:15 <b>incorrect</b> 16:7, 21:16 <b>increase</b> 13:2 <b>increased</b> 13:1 <b>increasing</b> 137:6 <b>incrementally</b> 88:10 <b>incurred</b> 40:8 <b>incursions</b> 22:17 <b>indeed</b> 46:8, 53:5, 69:25 <b>indemnify</b> 58:12 <b>indicate</b> 84:14, 85:6, 126:6, 141:16, 169:14 <b>indicated</b> 37:19, 62:9, 62:11, 92:3, 92:20, 126:21, 127:3, 145:11, 145:15, 158:19, 177:9 <b>indicates</b> 25:19, 58:2, 84:25, 157:7, 201:13 <b>indicating</b> 177:21 <b>indication</b> 189:9 <b>indicative</b> 186:25</p>	<p><b>indirectly</b> 132:19 <b>individual</b> 69:15, 69:18, 116:9, 120:15, 120:18, 168:13, 185:7 <b>individuals</b> 57:17, 59:25, 64:19, 66:23, 66:25 <b>industrial</b> 134:17, 193:23 <b>industry</b> 99:10 <b>inert</b> 101:19, 101:21, 101:22 <b>infectious</b> 52:11, 53:13, 53:19 <b>infiltration</b> 93:8 <b>informal</b> 4:15 <b>information</b> 69:19, 84:21, 138:25, 139:2, 139:6, 166:8 <b>informative</b> 198:2 <b>informed</b> 68:4 <b>infringing</b> 15:13 <b>inhabitants</b> 17:13 <b>initial</b> 29:10, 68:21, 70:16 <b>initially</b> 64:2 <b>initials</b> 19:16 <b>initiated</b> 59:23 <b>innovation</b> 44:17</p>
---	---	--	--

<b>inorganic</b> 55:8, 55:18, 57:10, 100:13, 100:14, 101:6, 101:15, 101:25, 135:23 <b>inorganics</b> 136:2 <b>input</b> 130:16, 132:18 <b>inquiring</b> 86:4 <b>inside</b> 37:1, 189:1, 192:9, 192:19, 193:2, 193:3 <b>inspecting</b> 120:21 <b>inspector</b> 127:9 <b>instance</b> 91:23 <b>instances</b> 95:7, 131:15, 136:16 <b>instead</b> 110:14, 134:12 <b>institute</b> 111:8 <b>instructions</b> 202:13 <b>instructor</b> 75:21, 75:24 <b>integrate</b> 34:22 <b>integration</b> 185:5 <b>integrity</b> 152:21 <b>intend</b> 57:24, 58:1, 58:4, 60:16, 67:12, 105:20, 157:15 <b>intended</b> 47:22, 158:7, 174:16 <b>intense</b> 196:25	<b>intent</b> 152:10 <b>intention</b> 42:10, 43:20, 57:16, 59:9, 70:2 <b>intercounty</b> 19:23 <b>interest</b> 22:16, 36:14, 68:25, 69:14, 84:13, 150:24, 152:7, 155:15, 203:8, 204:7 <b>interested</b> 37:9, 66:25, 68:16, 69:7, 184:22, 189:6 <b>interesting</b> 21:23, 47:10, 133:7, 165:16 <b>interestingly</b> 14:14 <b>interfering</b> 13:21 <b>interior</b> 176:22 <b>interject</b> 86:14 <b>internal</b> 41:16, 59:18 <b>internally</b> 66:14 <b>international</b> 75:15, 75:19 <b>internationally</b> 115:23 <b>internet</b> 16:20, 24:7, 28:12 <b>internment</b> 166:25 <b>internments</b> 130:24 <b>interred</b> 123:10, 130:20 <b>interrupt</b> 4:24, 37:22,	54:14 <b>interrupted</b> 56:7 <b>interruptions</b> 5:2 <b>intersection</b> 75:12 <b>intersections</b> 142:1 <b>intersperse</b> 35:22 <b>interstate</b> 75:12 <b>intervene</b> 54:18 <b>intervening</b> 141:25 <b>intervention</b> 95:8 <b>intestinal</b> 51:25 <b>introduce</b> 28:20, 40:14, 73:3, 118:16, 163:12, 182:10 <b>introduced</b> 46:5, 55:12, 57:11, 89:2, 124:20 <b>introducing</b> 46:1 <b>introduction</b> 47:8 <b>intrude</b> 123:4 <b>invasive</b> 79:24, 79:25, 89:2 <b>invented</b> 104:12 <b>invention</b> 98:18 <b>inventory</b> 142:14 <b>invest</b> 197:2 <b>investigated</b> 22:14	<b>investigations</b> 84:10, 93:21 <b>invite</b> 43:15 <b>invited</b> 68:3 <b>involve</b> 23:3, 23:20, 65:22 <b>involved</b> 23:19, 23:21, 23:23, 27:1, 44:7, 77:1, 122:2, 162:17 <b>involvement</b> 125:2 <b>involves</b> 42:11, 44:8, 134:5 <b>involving</b> 20:8 <b>iron</b> 101:24, 102:1, 102:10, 102:12 <b>irons</b> 75:3 <b>irreplaceable</b> 12:5 <b>irrespective</b> 51:11 <b>issue</b> 4:7, 9:2, 20:8, 23:10, 23:19, 26:5, 26:7, 27:19, 37:20, 52:5, 85:16, 92:11, 99:8, 99:17, 105:6, 124:17, 160:24, 162:15 <b>issued</b> 4:10, 4:11 <b>issues</b> 7:18, 14:16, 23:4, 23:19, 24:10, 27:17, 28:16, 30:15, 30:16, 36:15,
---	---	---	---

42:3, 42:4, 59:1, 71:8, 89:15, 91:5, 197:12 <b>issuing</b> 120:21 <b>item</b> 24:24, 25:4, 180:15 <b>itself</b> 17:19, 42:6, 79:1, 79:15, 194:22 <b>it's</b> 106:6	<b>jones</b> 28:13, 29:11, 30:18 <b>josh</b> 25:2, 25:3, 165:12 <b>journal</b> 14:8, 103:4, 104:10, 104:22 <b>jputman@gmail</b> 11:7 <b>judge</b> 8:9, 9:6, 9:9, 9:12 <b>july</b> 1:14 <b>jump</b> 25:18, 30:7, 45:25, 146:1, 169:25 <b>jurisdiction</b> 57:9	<b>kilogram</b> 46:25 <b>kim</b> 127:10 <b>kind</b> 9:24, 18:1, 25:25, 26:8, 26:25, 29:24, 31:10, 34:21, 36:4, 36:5, 37:18, 39:18, 45:1, 45:25, 52:5, 59:6, 69:20, 78:1, 82:5, 122:18, 125:13, 128:7, 140:18, 157:16, 165:23, 165:24, 169:10, 169:24, 170:25, 175:8, 179:23, 185:5 <b>kindly</b> 5:9 <b>kinds</b> 162:7 <b>kitchen</b> 191:25 <b>klein</b> 17:7, 18:23, 20:20, 168:20, 183:7 <b>kline's</b> 18:22, 20:19 <b>knock</b> 33:9, 165:13 <b>knoll</b> 33:6 <b>know</b> 13:24, 17:7, 18:15, 20:18, 23:16, 24:13, 24:14, 25:4, 25:22, 26:13, 29:19, 31:4, 57:7, 62:21, 65:18, 68:2, 71:9, 72:8, 73:6, 78:4,	93:1, 97:10, 98:22, 99:5, 100:8, 101:2, 104:11, 105:20, 107:25, 108:7, 110:15, 111:3, 111:16, 114:25, 131:19, 136:2, 136:21, 138:25, 139:6, 145:12, 146:24, 158:22, 166:11, 166:15, 173:4, 179:15, 181:12, 181:15, 185:8, 185:18, 185:24, 186:24, 187:5, 194:3, 196:11, 198:13, 198:14, 198:22 <b>knowledge</b> 20:1, 26:1, 26:4, 42:2, 91:24, 95:17, 98:9, 101:11, 101:14, 131:19 <b>known</b> 88:15, 96:7, 115:23, 125:6 <b>knows</b> 117:22, 122:5
<b>J</b>	<b>K</b>		<b>L</b>
<b>j-a-c-k</b> 73:19 <b>jack</b> 73:19, 74:4, 167:1 <b>jack@jackgoodnoe</b> 73:22 <b>jamacia</b> 74:24 <b>james</b> 2:10, 3:4, 11:5 <b>january</b> 103:5, 104:10 <b>jason</b> 127:1 <b>jersey</b> 75:11, 89:23 <b>jesse</b> 203:2, 203:13 <b>jewel</b> 12:5 <b>job</b> 1:23, 8:25, 120:24, 120:25, 137:19 <b>jody</b> 2:3, 6:5, 33:12 <b>johnson</b> 104:18, 104:23 <b>join</b> 112:20, 114:8	<b>keel</b> 107:19, 108:1 <b>keep</b> 36:10, 36:11, 79:25, 82:6, 89:1, 134:21, 149:17, 187:19, 192:5 <b>keeping</b> 151:19 <b>keeps</b> 146:19 <b>kept</b> 39:13 <b>kg</b> 46:20, 46:25, 47:1 <b>kidney</b> 53:16 <b>kidneys</b> 47:18, 138:22 <b>kill</b> 48:8 <b>killing</b> 199:19		<b>label</b> 181:13 <b>labeled</b> 180:16, 185:13 <b>lack</b> 24:6, 71:19, 192:24 <b>lady</b> 185:1 <b>lake</b> 98:7 <b>lakes</b> 14:5 <b>land</b> 12:11, 17:11, 33:8, 35:5,

<p>42:23, 43:1, 52:24, 71:24, 75:6, 75:13, 81:8, 81:9, 82:5, 84:20, 111:7, 144:10, 146:15, 148:14, 148:18, 150:6, 159:19, 175:22, 191:12 <b>lands</b> 43:11 <b>landscape</b> 74:5, 75:7, 79:22, 88:12, 132:13, 164:6, 164:15, 165:4, 168:2, 168:3, 168:5, 168:21, 168:23, 168:25, 169:20, 170:6, 170:8, 170:16, 171:5, 171:9, 173:7, 191:10, 192:13, 192:17, 193:16, 194:3 <b>landscapers</b> 12:2 <b>landscaping</b> 173:14, 174:12, 174:18, 175:17, 176:15, 176:16, 176:22, 192:22 <b>language</b> 24:20, 178:25 <b>large</b> 12:23, 16:22, 37:6, 41:18, 52:1, 60:25, 62:2, 80:1, 134:16, 134:19, 156:1, 166:12, 190:19 <b>largely</b> 68:10 <b>larger</b> 52:5, 52:6, 61:6, 61:8,</p>	<p>61:9, 66:18, 67:10, 68:13, 77:4, 85:18, 151:19, 185:21 <b>largest</b> 78:25 <b>last</b> 15:23, 22:8, 23:22, 38:12, 58:9, 58:14, 71:14, 72:4, 73:19, 74:7, 74:15, 77:2, 98:16, 99:17, 108:20, 113:19, 116:1, 116:16, 118:19, 139:11, 140:4, 158:11, 160:24, 183:3, 183:13, 193:1, 198:10 <b>lastly</b> 88:19, 157:22 <b>late</b> 77:1, 131:17, 143:18 <b>later</b> 30:16 <b>law</b> 6:5, 9:11, 75:9, 133:15, 169:18, 173:16 <b>lawn</b> 35:5 <b>lay</b> 59:3 <b>layer</b> 129:11, 129:14, 129:18, 133:19, 133:24 <b>laying</b> 172:4 <b>layout</b> 141:1, 172:25 <b>leach</b> 49:13 <b>leachate</b> 16:8, 16:11,</p>	<p>16:12, 25:21, 25:25, 79:18, 124:5, 128:9 <b>leachates</b> 46:10 <b>leached</b> 46:14 <b>leaches</b> 16:17, 46:11, 132:11 <b>leaching</b> 15:16, 51:2 <b>lead</b> 18:7, 48:17 <b>leadership</b> 20:4 <b>leading</b> 33:18, 125:22, 157:12 <b>learn</b> 184:18 <b>learned</b> 21:2, 22:11, 114:24 <b>least</b> 50:8, 52:8, 54:1, 54:2, 98:8, 113:4, 169:9 <b>leave</b> 61:23, 88:5, 105:18, 110:11, 125:12, 142:24, 158:19, 158:25, 168:15, 168:21, 189:13, 202:6 <b>leaves</b> 138:16 <b>leaving</b> 116:8, 167:13 <b>lectures</b> 67:10, 195:14 <b>led</b> 131:15 <b>left</b> 24:16, 60:2, 78:22, 79:13, 86:3, 87:4,</p>	<p>87:7, 87:22, 89:1, 89:9, 126:3, 130:19, 139:7, 187:8, 191:2, 191:16, 191:24, 194:23, 195:6 <b>left-hand</b> 154:7 <b>legislation</b> 165:19 <b>lend</b> 20:25 <b>lends</b> 189:18 <b>lenses</b> 157:9, 157:20 <b>less</b> 34:6, 62:13 <b>let's</b> 6:14, 8:17, 51:4, 85:1, 87:5, 99:19, 119:11, 140:25, 145:3, 147:19, 170:5, 179:5 <b>letter</b> 7:15, 7:16, 22:2, 46:5, 49:21, 127:19 <b>level</b> 50:2, 59:4, 76:4, 85:21, 122:16, 123:4, 133:14, 133:15, 142:21, 143:1, 143:5 <b>levels</b> 14:10, 24:16, 28:2, 94:24, 104:15, 127:16 <b>library</b> 192:3, 195:17, 195:19 <b>license</b> 164:11 <b>licensed</b> 164:6, 183:20</p>
--	--	---	---

<p><b>lieu</b> 152:18 <b>life</b> 31:23, 32:9, 33:24, 52:2, 82:12 <b>lifetime</b> 85:25 <b>light</b> 7:15, 113:19, 123:2, 157:9, 192:15 <b>lighter</b> 43:10, 81:19 <b>lighting</b> 156:18, 157:17, 179:10, 180:21 <b>lights</b> 157:7, 157:8, 157:11, 157:13, 157:19, 157:20, 179:6, 179:8, 179:9, 179:20, 180:12, 180:19, 180:21, 181:2 <b>likely</b> 16:4, 59:23, 62:12, 64:3, 71:10, 116:9, 139:9, 161:20, 167:8, 200:14 <b>likes</b> 164:8 <b>limitations</b> 15:8 <b>limited</b> 52:3, 85:8 <b>limiting</b> 148:3 <b>limits</b> 149:24, 150:18, 177:19 <b>line</b> 59:12, 149:16, 149:24, 150:12, 153:8, 153:10, 153:11, 154:19, 154:22, 154:23,</p>	<p>157:11, 180:13, 195:6 <b>lined</b> 18:7 <b>linen</b> 44:13 <b>liner</b> 78:24, 78:25, 79:3 <b>liners</b> 32:16, 42:12, 45:6, 45:11 <b>lines</b> 82:13, 82:19, 82:23, 85:6, 154:11 <b>liquid</b> 46:17, 47:5, 51:3, 51:7, 51:9, 133:18 <b>liquify</b> 47:4 <b>list</b> 5:16, 37:25, 168:11, 171:13, 171:15, 199:18 <b>listed</b> 80:8, 143:23 <b>listen</b> 10:10, 200:15 <b>listening</b> 106:1 <b>lists</b> 22:15 <b>lit</b> 158:7 <b>liter</b> 46:25 <b>literally</b> 189:1 <b>literature</b> 55:10, 70:14, 70:15, 92:4, 128:22 <b>liters</b> 13:16, 16:16, 49:20 <b>little</b> 5:5, 8:13,</p>	<p>14:19, 17:8, 24:18, 29:18, 44:5, 48:11, 60:24, 65:15, 66:18, 78:19, 78:23, 80:15, 81:17, 85:24, 86:10, 96:7, 100:12, 130:8, 134:2, 140:20, 153:15, 170:24, 174:18, 178:12, 187:21, 192:7, 198:25 <b>live</b> 15:14, 29:6, 32:10, 51:24, 72:9, 73:20, 108:5, 119:5, 131:10, 136:4, 136:9, 139:10, 183:3 <b>lived</b> 19:14, 20:9, 33:24, 107:25 <b>liver</b> 47:18, 138:22 <b>lives</b> 32:11, 107:25, 167:5 <b>living</b> 12:16, 15:7, 15:8, 21:3, 48:7, 51:20, 136:5, 136:18, 139:2 <b>llc</b> 1:6, 2:2 <b>lloyd</b> 193:13 <b>load</b> 130:22, 130:25, 142:11 <b>loading</b> 78:17, 86:24, 141:7, 149:6, 154:5, 154:9, 170:20, 172:1</p>	<p><b>loamy</b> 129:3, 129:24 <b>lobby</b> 192:3 <b>local</b> 21:23, 35:22, 39:19, 144:15, 145:9, 145:14 <b>located</b> 24:5, 92:19, 93:20, 97:19, 122:12, 122:19, 142:2, 150:4, 151:19 <b>locating</b> 131:12 <b>location</b> 11:16, 17:11, 57:1, 72:14, 80:9, 83:6, 83:25, 84:6, 95:20, 97:16, 98:4, 126:16, 127:4, 156:1, 157:7, 158:6, 175:21, 193:8 <b>locations</b> 173:1, 173:3, 173:8 <b>locked</b> 173:19 <b>long</b> 7:14, 7:23, 10:22, 20:9, 27:22, 61:24, 82:12, 99:25, 121:16, 126:4, 136:8, 136:15, 139:1, 183:10, 184:8, 197:1, 199:20 <b>longer</b> 116:1, 139:5, 154:23, 199:17 <b>look</b> 17:24, 35:3, 35:4, 36:6, 37:5, 37:6,</p>
--	---	---	---

<p>39:3, 39:5, 49:23, 62:16, 62:20, 62:21, 71:6, 88:21, 88:23, 90:8, 90:16, 95:4, 96:24, 104:22, 108:22, 109:15, 114:23, 130:1, 130:2, 130:22, 131:14, 151:8, 151:11, 171:20, 171:24, 171:25, 175:18, 181:6, 187:24, 190:13, 198:25, 202:22 <b>looked</b> 74:15, 111:10, 197:8 <b>looking</b> 20:19, 36:19, 37:8, 59:10, 59:16, 59:25, 61:13, 125:25, 126:1, 126:2, 166:5, 180:23, 188:13, 191:13, 191:14, 192:12, 200:19 <b>looks</b> 13:6, 35:4, 39:3, 39:6, 59:10, 190:25, 193:5 <b>loop</b> 23:1, 157:13 <b>loops</b> 85:18 <b>lost</b> 18:18, 32:2, 37:22, 202:6 <b>lot</b> 13:2, 13:4, 14:17, 16:20, 32:22, 36:7, 36:10, 36:16, 37:7, 37:9, 39:15, 61:7,</p>	<p>81:10, 102:17, 106:6, 114:24, 117:23, 124:13, 135:1, 153:7, 153:8, 153:10, 153:11, 154:22, 156:14, 166:3, 167:10, 171:6, 171:8, 175:13, 176:3, 176:21, 184:9, 184:23, 189:21, 191:1, 202:16 <b>lots</b> 15:9, 44:18, 49:7, 52:18, 73:11, 130:15, 134:21 <b>lovely</b> 17:21, 40:7, 196:5, 196:13 <b>low</b> 14:10, 53:8, 104:14, 146:17, 147:14, 152:12, 180:21, 194:6, 194:7, 194:16, 194:17, 194:18, 195:1, 196:7 <b>lower</b> 86:3, 87:4, 87:7, 143:9, 149:18, 151:6, 154:7, 193:4 <b>lowered</b> 181:21 <b>lowest</b> 142:22 <b>lunch</b> 105:10, 113:17, 114:2, 114:12 <b>lunchtime</b> 105:13 <b>lung</b> 53:15 <b>lynn</b> 1:12</p> <hr/> <p style="text-align: center;"><b>M</b></p> <hr/> <p><b>ma'am</b> 62:3, 65:8,</p>	<p>76:5, 108:2, 108:4, 108:10, 109:1, 110:16, 112:17, 140:11, 178:11 <b>maa</b> 164:12 <b>macris</b> 140:5 <b>madam</b> 61:22, 64:20, 77:13, 173:11, 177:5, 196:16 <b>made</b> 9:25, 11:22, 12:2, 17:2, 21:4, 22:2, 38:5, 44:12, 44:14, 44:19, 45:13, 47:10, 86:15, 91:11, 94:19, 107:22, 115:15, 123:14, 127:5, 178:3 <b>mailing</b> 40:24 <b>main</b> 32:12, 32:20, 37:1, 49:3, 115:6, 115:11, 116:21, 149:17, 186:18 <b>mainstem</b> 148:15, 148:19, 150:5 <b>maintain</b> 146:16 <b>maintained</b> 82:8, 135:3, 143:23 <b>maintaining</b> 58:18, 58:20, 61:9, 150:25 <b>maintains</b> 59:13 <b>maintenance</b> 60:6, 61:8, 79:24, 81:23,</p>	<p>147:8, 158:12, 159:11, 190:19 <b>major</b> 16:22, 23:3, 35:7, 83:5, 142:1, 144:21, 148:20, 151:15 <b>majority</b> 51:18, 53:12, 132:20, 133:25, 142:18 <b>make</b> 7:17, 7:19, 10:4, 10:5, 10:15, 17:4, 19:11, 24:25, 28:25, 36:16, 38:4, 40:20, 53:7, 53:12, 53:20, 56:16, 73:14, 78:3, 79:2, 79:3, 82:2, 83:1, 91:11, 98:14, 99:24, 107:13, 112:5, 117:23, 118:25, 123:14, 123:19, 124:3, 125:23, 131:6, 138:17, 139:24, 146:1, 151:4, 163:21, 173:13, 176:11, 178:6, 182:22, 196:21, 196:22 <b>makes</b> 7:25, 101:14, 129:4, 134:22, 146:25 <b>making</b> 80:21, 100:12, 102:20 <b>man</b> 96:24 <b>management</b> 82:14, 82:16, 120:4, 147:20, 148:5, 148:8,</p>
--	---	--	--

148:12, 160:11 <b>manager</b> 121:1 <b>mandatory</b> 16:5 <b>manganese</b> 100:22 <b>manicured</b> 35:5 <b>mankind's</b> 31:22, 32:8 <b>manner</b> 152:17 <b>manual</b> 111:9 <b>manufacturers</b> 93:6 <b>many</b> 5:1, 5:20, 15:15, 16:9, 23:9, 32:23, 34:9, 43:23, 44:20, 45:14, 49:8, 52:21, 52:24, 59:22, 60:19, 68:5, 74:13, 76:14, 77:7, 77:8, 80:3, 88:4, 91:8, 91:10, 94:17, 101:5, 130:21, 131:7, 131:8, 170:9 <b>map</b> 81:10 <b>mapped</b> 165:25 <b>maps</b> 143:18 <b>march</b> 59:24 <b>mark</b> 123:4 <b>marked</b> 84:3, 171:19, 171:22 <b>marker</b> 80:5, 80:6,	89:21 <b>markers</b> 35:16, 35:17 <b>marks</b> 83:22 <b>mary</b> 38:13 <b>maryland</b> 1:2, 1:13, 2:6, 9:14, 11:20, 24:2, 29:6, 31:17, 32:21, 41:2, 68:15, 107:20, 119:6, 119:23, 119:24, 131:18, 131:20, 140:6, 143:24, 148:13, 148:17, 164:3, 164:7, 164:11, 167:8, 183:4, 183:9, 183:21 <b>master</b> 12:9, 12:13, 146:8, 146:9, 146:11, 146:13, 146:15, 146:23, 146:24, 147:17, 147:22, 151:1, 152:15, 152:22, 153:3, 154:21, 160:4, 161:6, 197:17 <b>materials</b> 44:9, 44:12, 45:9, 45:18, 79:1, 79:3, 80:1, 89:2, 94:19, 158:20, 187:3, 189:9, 189:19, 189:23, 192:21, 194:2 <b>math</b> 49:19, 202:3 <b>matter</b> 11:14, 107:3, 112:13, 118:9, 118:11, 122:2,	197:14 <b>matters</b> 4:20, 6:2, 11:23, 20:12 <b>mature</b> 90:20 <b>mausoleums</b> 35:6, 35:19 <b>maximum</b> 43:9, 62:11, 64:13, 64:16 <b>maybe</b> 6:22, 30:2, 30:18, 37:22, 39:10, 42:6, 44:4, 56:10, 64:21, 65:16, 66:6, 67:8, 74:19, 82:3, 86:22, 87:19, 106:11, 108:20, 123:1, 135:14, 135:15, 136:11, 153:14, 161:21, 164:25, 168:13, 169:9, 177:16, 183:13, 186:9, 186:11, 189:20, 190:13, 191:21, 200:10 <b>md</b> 4:4 <b>meadow</b> 79:22, 80:1, 87:10, 87:11, 88:22, 88:25, 89:3, 89:8, 89:19, 90:3, 90:10, 90:19 <b>meadows</b> 90:9, 193:10 <b>mean</b> 7:7, 7:22, 26:24, 63:7, 91:21, 142:21, 143:1, 143:5, 149:2, 162:1, 177:25, 191:12	<b>meander</b> 187:20 <b>meandering</b> 187:13 <b>meaning</b> 46:9, 46:10, 80:7, 126:15, 141:17 <b>means</b> 13:8, 85:23, 102:17, 103:19, 136:14 <b>measured</b> 13:5, 154:22 <b>measurements</b> 157:3 <b>mechanical</b> 192:1 <b>media</b> 21:19, 68:25, 69:6, 69:13, 128:23 <b>medical</b> 41:15, 47:12, 47:13, 136:22, 139:9 <b>medicine</b> 19:11, 41:16 <b>medicines</b> 13:20, 47:14 <b>meditation</b> 84:18, 192:4, 195:19 <b>medium</b> 43:14, 48:22, 50:17, 50:19 <b>meet</b> 82:16, 128:2, 151:24, 167:20, 173:25, 187:10, 189:6 <b>meeting</b> 15:23, 59:24, 88:13, 189:7 <b>meetings</b> 21:6, 37:15, 67:6, 67:8, 68:3, 68:24,
--	--	--	--

<p>91:8, 195:13 <b>meets</b> 89:12, 146:22, 158:5, 158:21, 159:17, 159:18, 197:16 <b>members</b> 43:25, 61:15 <b>memo</b> 127:14 <b>memorial</b> 39:17, 80:8, 174:5 <b>memorialization</b> 80:3, 89:20, 90:4 <b>memorials</b> 90:5 <b>memory</b> 18:8 <b>memory's</b> 97:3 <b>memphis</b> 75:20 <b>men</b> 55:1, 72:12 <b>mention</b> 47:7, 48:5, 48:21, 51:16, 52:18, 64:9, 96:6 <b>mentioned</b> 31:19, 32:13, 42:9, 43:2, 49:1, 49:24, 50:22, 59:9, 66:9, 66:17, 67:15, 83:2, 102:10, 115:9, 116:22 <b>mentions</b> 115:5 <b>mess</b> 163:3 <b>metabolized</b> 47:18 <b>metal</b> 35:12, 42:12,</p>	<p>56:1, 80:4, 101:8, 101:13, 101:25 <b>metals</b> 45:13, 100:20, 100:21, 101:2, 101:4, 101:9, 101:16, 101:19, 101:22, 101:23, 102:9, 102:10 <b>method</b> 123:11 <b>methodology</b> 110:9, 148:5 <b>methods</b> 78:11 <b>metro</b> 24:3 <b>metropolitan</b> 11:21 <b>mhg</b> 164:2 <b>michigan</b> 73:21, 75:2, 90:2, 98:6 <b>microphones</b> 105:17, 105:18 <b>microsoft</b> 4:22, 4:23, 5:4, 7:2 <b>mid-s</b> 123:7 <b>middle</b> 7:12, 52:9, 81:12, 86:5, 143:3, 186:18, 189:1 <b>might</b> 7:18, 15:9, 34:17, 35:14, 65:22, 67:6, 72:3, 78:19, 84:15, 87:20, 88:7, 101:21, 106:4, 133:6, 166:17, 170:22, 189:5, 196:3, 198:22</p>	<p><b>migrate</b> 14:5, 133:2 <b>mile</b> 14:19, 14:21, 14:23, 37:14, 132:7, 136:18, 148:14, 148:15, 148:18, 150:4, 156:5, 156:10, 156:15 <b>miller</b> 2:4, 6:5, 6:6 <b>mind</b> 49:7, 82:6, 104:16, 104:17, 108:22, 113:24, 134:21 <b>mine</b> 11:12, 172:17 <b>minimal</b> 99:13 <b>minimum</b> 7:13, 155:10, 168:7 <b>ministry</b> 92:13 <b>minus</b> 46:23 <b>minuscule</b> 54:5, 130:18 <b>minute</b> 113:9, 123:23, 158:3, 173:12, 186:15 <b>minutes</b> 10:19, 10:23, 105:8, 113:12 <b>miscounted</b> 200:10 <b>miss</b> 100:23 <b>missed</b> 42:20, 116:16, 197:25 <b>mission</b> 31:11, 31:22, 32:6, 49:3, 49:10, 52:7,</p>	<p>61:12, 66:18, 66:20, 67:10, 69:22, 197:3 <b>mistake</b> 17:3, 17:4 <b>misunderstand</b> 18:14 <b>mitigate</b> 118:1, 134:23, 135:4, 137:7 <b>mix</b> 146:16 <b>mixed</b> 11:13 <b>mixture</b> 152:12, 175:6 <b>modern</b> 32:16 <b>mokhtarzada</b> 28:3 <b>mokhtarzada</b> 3:5, 28:8, 28:13, 28:17, 29:2, 29:5, 29:15, 29:23, 31:5, 31:15, 32:4, 32:8, 33:12, 33:15, 33:20, 34:4, 34:12, 34:17, 35:1, 36:21, 37:15, 38:7, 38:10, 38:13, 38:17, 38:20, 38:22, 38:23, 38:25, 39:1, 39:5, 39:8, 39:21, 40:2, 40:16, 40:22, 76:17 <b>mokhtarzada's</b> 69:21 <b>molecules</b> 100:14 <b>molly</b> 1:25, 204:2, 204:13 <b>moment</b> 25:19, 88:15,</p>
--	--	---	--

Transcript of Hearing  
Conducted on July 30, 2021

88

<p>100:7, 182:17 <b>monday</b> 66:10 <b>money</b> 34:1, 40:9, 199:14 <b>monitored</b> 135:18 <b>monitoring</b> 177:7 <b>monroe</b> 2:5, 6:6 <b>montgomery</b> 1:2, 11:19, 12:3, 24:17, 31:18, 33:24, 34:11, 37:6, 119:23, 120:14, 121:2, 121:6, 122:4, 131:7, 131:23, 140:6, 143:24, 148:8, 148:17, 164:2, 164:17, 167:7, 176:13, 178:21 <b>month</b> 198:24 <b>months</b> 19:6, 51:2, 51:4, 139:10 <b>more</b> 7:19, 8:25, 14:17, 14:18, 29:18, 32:10, 33:2, 34:7, 34:14, 34:20, 40:3, 42:7, 43:11, 43:18, 44:5, 44:16, 47:3, 48:11, 51:15, 52:23, 53:22, 57:22, 58:22, 59:10, 59:16, 65:15, 66:3, 66:18, 70:1, 70:16, 71:8, 72:20, 75:17, 75:21,</p>	<p>79:9, 79:11, 79:18, 80:14, 80:19, 82:11, 84:9, 86:12, 87:6, 88:23, 89:10, 89:17, 90:1, 90:14, 90:17, 91:2, 93:15, 96:13, 98:21, 103:25, 104:25, 109:22, 110:4, 114:5, 124:13, 124:16, 126:10, 128:19, 129:7, 129:14, 129:17, 130:4, 132:4, 132:7, 136:23, 137:21, 151:19, 158:20, 161:9, 161:11, 163:8, 166:17, 167:3, 167:8, 167:10, 174:5, 179:8, 192:25, 197:11, 200:14, 201:23 <b>morning</b> 6:4, 6:9, 65:1, 72:16, 110:17 <b>morphology</b> 126:6 <b>morticians</b> 45:20 <b>most</b> 4:24, 23:2, 23:19, 23:21, 24:15, 27:19, 34:11, 40:6, 43:3, 48:24, 50:3, 56:5, 58:20, 74:10, 79:21, 91:13, 96:7, 101:13, 101:21, 101:22, 107:3, 108:19, 116:8, 138:20, 156:12, 156:13, 166:11, 167:5,</p>	<p>190:12, 192:2 <b>mostly</b> 13:15, 35:25, 36:6, 101:13, 115:25, 175:7 <b>motivation</b> 31:11 <b>motivations</b> 32:20 <b>mount</b> 94:6 <b>mounted</b> 179:8, 179:9, 180:20 <b>move</b> 36:2, 72:17, 78:5, 87:18, 106:24, 118:10, 138:4, 155:8 <b>moved</b> 32:15 <b>moving</b> 103:20, 103:22, 142:4, 142:19, 144:2 <b>mow</b> 33:6, 89:1, 89:21 <b>mowed</b> 80:4, 89:11, 90:3 <b>mowing</b> 79:25 <b>much</b> 5:1, 16:25, 30:16, 33:2, 34:6, 38:15, 63:13, 69:18, 71:23, 76:25, 78:18, 79:9, 81:9, 82:15, 84:9, 84:25, 85:17, 92:11, 105:1, 111:25, 116:1, 117:17, 130:18, 136:23, 139:7, 141:17, 145:18, 146:1,</p>	<p>161:20, 162:24, 194:5, 198:24, 202:19 <b>multi-acre</b> 37:6 <b>multiple</b> 16:8, 20:5, 20:7, 55:21, 61:10 <b>multiplying</b> 103:21 <b>municipal</b> 58:21, 102:8 <b>mushrooms</b> 44:20 <b>must</b> 11:15, 64:25, 94:3, 97:17, 118:3, 122:14, 193:9 <b>mutations</b> 14:10, 103:7, 104:14 <b>mute</b> 8:8, 31:25, 72:7, 105:17, 105:18, 118:8, 123:25, 128:14, 135:13, 138:3 <b>muted</b> 33:12, 181:20, 201:24 <b>mute</b> 135:15 <b>myocardial</b> 45:22 <b>myself</b> 90:14</p> <hr/> <p style="text-align: center;"><b>N</b></p> <hr/> <p><b>n-e-c-r-o</b> 16:12 <b>n-e-c-r-o-l-e-a--</b> <b>c-h-a-t-e</b> 16:13 <b>nail</b> 173:17 <b>name</b> 5:19, 5:23,</p>
--	---	---	---

6:4, 11:3, 11:5, 22:8, 23:18, 29:4, 29:5, 37:24, 38:9, 38:12, 40:16, 40:24, 40:25, 73:3, 73:18, 73:19, 73:20, 93:24, 107:5, 118:17, 118:18, 118:19, 119:3, 126:24, 127:1, 127:10, 139:19, 140:3, 140:4, 158:9, 163:16, 163:25, 178:19, 178:22, 182:25, 183:2, 183:3 <b>names</b> 6:11, 24:13, 75:1, 183:14 <b>narrow</b> 141:17, 141:19, 143:15, 144:19, 155:1 <b>narrowest</b> 141:21, 147:12 <b>narrows</b> 169:9 <b>national</b> 68:18, 75:16, 75:22 <b>native</b> 167:7, 171:14, 171:15, 175:7 <b>natural</b> 11:14, 16:4, 18:5, 32:14, 34:22, 37:8, 42:10, 42:14, 42:16, 44:9, 44:12, 45:8, 47:4, 47:16, 48:24, 56:3, 59:10, 60:1, 61:17, 67:1, 67:9, 79:22, 80:1, 81:23,	81:24, 86:12, 89:1, 90:7, 96:2, 99:12, 105:12, 142:13, 146:20, 187:3, 192:21, 192:25 <b>naturalistic</b> 59:16, 61:13, 90:7 <b>naturalizing</b> 174:17 <b>naturally</b> 47:3, 47:19, 47:23, 51:1, 56:1, 101:3, 101:24, 102:9 <b>nature</b> 47:24, 52:11, 53:14, 66:24, 67:11, 135:3, 156:14 <b>near</b> 8:13, 13:5, 37:1, 81:11, 95:16, 96:3, 143:12, 149:20 <b>nearby</b> 12:23, 15:7, 17:18, 97:7 <b>nearest</b> 97:15, 201:7 <b>nearly</b> 52:13 <b>necessarily</b> 7:23, 79:13, 83:8 <b>necessary</b> 21:17, 80:5, 83:20, 84:1, 155:10 <b>necro</b> 16:7, 46:9 <b>necro-leachate</b> 13:13, 15:16, 46:2, 46:16, 50:12, 50:18, 97:24, 133:13, 134:11	<b>necro-leachates</b> 101:12, 184:11 <b>necro-leaching</b> 47:6 <b>nee</b> 65:24 <b>need</b> 7:21, 8:25, 9:25, 10:5, 17:4, 27:20, 27:23, 30:6, 53:1, 66:16, 70:12, 78:4, 79:12, 82:6, 82:15, 86:18, 89:22, 99:18, 106:10, 137:18, 153:12, 155:8, 163:13, 173:15, 182:13, 185:7, 185:24, 186:11, 186:25, 198:5, 198:14, 199:21, 200:8 <b>needed</b> 14:18, 24:6, 33:23, 197:7 <b>needs</b> 80:25, 113:2, 162:4 <b>negative</b> 109:11 <b>negatively</b> 109:20 <b>negligible</b> 70:22, 99:13 <b>negotiate</b> 157:18 <b>neighbor</b> 71:25, 108:9, 135:2 <b>neighborhood</b> 37:1, 37:3, 68:1, 71:18, 71:22, 90:24, 144:6, 144:9, 144:11, 144:23, 145:6, 151:18,	151:20, 160:19 <b>neighborhoods</b> 146:17 <b>neighboring</b> 49:13, 134:10 <b>neighbors</b> 58:14, 58:17, 67:25, 68:4, 68:7, 68:11, 137:6, 162:18 <b>neither</b> 117:22, 203:6, 204:6 <b>net</b> 126:8 <b>network</b> 110:6 <b>neurologic</b> 45:21 <b>neuroscience</b> 41:17 <b>never</b> 70:11, 82:8, 91:19, 91:23, 99:7, 108:6, 120:6, 120:11, 137:11, 137:14, 137:15, 169:22 <b>nevertheless</b> 69:13, 101:9 <b>new</b> 4:3, 4:13, 58:7, 59:2, 59:12, 60:15, 60:24, 66:16, 73:7, 75:11, 87:17, 89:5, 89:9, 89:23, 106:24, 141:21, 141:24, 142:20, 144:24, 147:2, 147:12, 148:3, 151:21, 154:7, 154:12, 154:19, 156:8, 162:25, 166:10, 175:10, 175:12, 201:7 <b>newer</b> 13:20, 100:17
---	--	--	--

<p><b>newly</b> 90:19, 104:12</p> <p><b>news</b> 13:25, 69:7</p> <p><b>next</b> 12:18, 13:3, 80:12, 80:24, 82:4, 84:21, 84:23, 84:24, 85:9, 87:5, 89:4, 89:17, 106:1, 112:19, 118:10, 126:14, 138:5, 139:16, 139:17, 145:21, 145:25, 147:19, 152:4, 156:18, 159:13, 182:8, 190:5, 202:17</p> <p><b>nice</b> 6:9, 171:11, 185:10, 194:22, 195:25</p> <p><b>niches</b> 84:17</p> <p><b>nighttime</b> 142:11</p> <p><b>noise</b> 71:18</p> <p><b>non</b> 80:22</p> <p><b>non-green</b> 33:3</p> <p><b>non-infectious</b> 53:17</p> <p><b>non-organic</b> 55:22</p> <p><b>non-residential</b> 147:1</p> <p><b>non-title</b> 150:8</p> <p><b>noncontaminated</b> 128:12</p> <p><b>none</b> 3:18, 6:2, 76:9, 114:11, 134:2, 138:1, 165:6, 165:25,</p>	<p>184:4, 196:5</p> <p><b>nonprofit</b> 11:10, 19:21, 31:16, 32:13, 33:21, 41:8, 43:5</p> <p><b>norbeck</b> 141:25</p> <p><b>normal</b> 12:15, 22:2, 22:4, 34:17, 63:17, 66:1, 66:21, 67:23, 126:9</p> <p><b>normality</b> 66:19</p> <p><b>normally</b> 7:8, 22:16, 35:3, 47:3, 140:21, 173:4, 173:5, 199:17, 200:5</p> <p><b>normandy</b> 183:4</p> <p><b>north</b> 62:4, 73:21, 141:25, 146:12, 175:9, 176:4, 180:5, 180:11, 181:4</p> <p><b>northeast</b> 61:5, 81:13, 143:11</p> <p><b>northern</b> 19:22</p> <p><b>northwest</b> 81:13, 143:10, 144:19</p> <p><b>northwestern</b> 144:15</p> <p><b>norwood</b> 145:9</p> <p><b>note</b> 145:9, 177:6, 177:14</p> <p><b>notes</b> 20:19, 151:6</p> <p><b>nothing</b> 10:16, 29:1,</p>	<p>38:5, 40:21, 73:15, 80:13, 89:10, 107:14, 119:1, 139:24, 163:22, 182:23, 189:24, 192:22, 192:23, 194:8, 198:12</p> <p><b>nothing's</b> 92:9</p> <p><b>noticed</b> 22:21, 115:1</p> <p><b>notification</b> 4:10</p> <p><b>notified</b> 22:16, 22:17</p> <p><b>notion</b> 11:14, 52:7, 52:15</p> <p><b>notre</b> 75:23</p> <p><b>novel</b> 69:8</p> <p><b>number</b> 23:25, 24:2, 24:5, 28:1, 34:3, 34:16, 64:23, 65:14, 66:13, 77:20, 98:17, 123:23, 130:24, 144:20, 155:2, 156:2, 157:20, 164:10, 164:11, 167:22, 179:5, 192:13, 192:14, 193:1</p> <p><b>numbers</b> 64:9, 64:10, 64:12, 147:4, 154:2, 185:13</p> <p><b>numerous</b> 125:7, 176:16</p> <hr/> <p><b>O</b></p> <hr/> <p><b>o-k-h-t</b> 38:13</p> <p><b>o-n</b> 118:20</p>	<p><b>oak</b> 166:17</p> <p><b>oath</b> 4:16, 114:14, 138:14</p> <p><b>object</b> 55:4, 63:20</p> <p><b>objection</b> 8:12, 56:25, 78:25, 108:12, 108:23, 138:12</p> <p><b>objections</b> 76:7, 105:14, 114:10, 121:20, 140:13, 165:5, 184:2, 198:2</p> <p><b>observations</b> 91:6, 114:5, 128:7</p> <p><b>obvious</b> 36:15</p> <p><b>obviously</b> 14:17, 20:23, 25:1, 36:12, 131:6, 138:14, 166:10, 189:19, 189:24, 193:4, 197:23</p> <p><b>occasional</b> 79:25</p> <p><b>occupy</b> 42:18, 42:24</p> <p><b>occur</b> 63:11, 63:16, 63:23, 65:3, 66:1, 66:3, 66:8, 66:10, 101:3, 101:24, 167:6, 171:1</p> <p><b>occurrence</b> 94:24</p> <p><b>occurring</b> 56:1, 102:9</p> <p><b>occurs</b> 5:9, 47:3</p> <p><b>odors</b> 71:19</p> <p><b>off-site</b> 175:20, 176:1</p>
---	---	--	---

<b>offer</b> 7:24, 88:6, 88:23, 89:15, 110:10, 165:3 <b>offered</b> 24:5 <b>offering</b> 87:23 <b>office</b> 1:1, 60:3, 61:20, 62:2, 62:6, 62:10, 140:5, 147:9, 158:12, 158:15, 164:16, 177:7, 187:9, 192:4, 198:15, 200:24, 201:2, 201:10 <b>officer</b> 203:2 <b>offices</b> 6:6 <b>often</b> 22:14, 79:5, 79:22, 85:21, 95:9 <b>oh</b> 5:13, 14:24, 23:24, 38:8, 54:7, 60:20, 65:7, 84:2, 85:1, 97:1, 104:8, 111:5, 135:13, 147:3, 153:23, 172:21, 175:5, 179:7, 185:19, 188:19, 190:16, 190:22, 194:25 <b>ohio</b> 75:3 <b>old</b> 93:3, 98:18, 119:5 <b>on-site</b> 160:6 <b>once</b> 36:2, 59:6,	187:19 <b>one-eight</b> 148:15 <b>one-quarter</b> 156:15 <b>ones</b> 24:14, 82:23, 101:12, 166:4, 190:15 <b>online</b> 159:8 <b>only</b> 24:19, 25:3, 28:18, 36:22, 43:24, 44:9, 48:10, 55:10, 57:4, 57:17, 60:17, 76:3, 77:6, 81:8, 85:15, 89:12, 90:25, 105:23, 124:10, 131:5, 138:21, 155:12, 157:14, 161:4, 164:25, 166:24, 168:20, 197:9, 199:16 <b>onsite</b> 142:24 <b>ontario</b> 92:13, 92:20, 94:7 <b>open</b> 4:3, 8:13, 59:21, 61:24, 63:3, 63:4, 63:6, 63:13, 67:17, 77:10, 82:9, 146:17, 146:22, 152:17, 152:25, 158:19, 168:15, 187:3, 188:25 <b>open-sided</b> 147:14 <b>opened</b> 88:2 <b>opening</b> 10:10	<b>openness</b> 192:16 <b>operated</b> 110:3 <b>operating</b> 4:20, 4:22, 66:1, 67:23 <b>operation</b> 61:4, 64:11, 65:14, 121:11, 132:2, 157:16 <b>operational</b> 56:14, 59:1, 59:6, 63:3 <b>operations</b> 34:22, 58:1, 60:9, 60:22, 63:8, 63:10, 124:9 <b>opinion</b> 69:22, 71:17, 90:21, 131:22, 132:2, 132:5, 133:12, 146:21, 151:24, 153:1, 159:16, 160:2, 160:15, 193:20 <b>opportunities</b> 42:16 <b>opportunity</b> 8:10, 11:8, 73:1, 91:3, 104:2, 113:15, 178:23, 198:7 <b>oppose</b> 11:15 <b>opposed</b> 19:24 <b>opposition</b> 4:18, 4:19, 137:16 <b>option</b> 88:6, 89:9 <b>options</b> 43:6, 44:7, 44:16, 44:18, 44:19, 44:20, 44:21, 57:17,	60:5, 65:25, 71:24 <b>orchestrated</b> 197:24 <b>order</b> 10:5, 46:22, 66:5, 105:25, 124:25, 140:20, 155:8, 186:21, 189:15, 197:7 <b>ordinance</b> 131:23, 155:11, 158:6, 168:7, 197:17 <b>oregon</b> 74:22 <b>organic</b> 47:16, 47:23, 48:22, 52:19, 54:9, 54:11, 55:3, 55:12, 55:21, 56:4, 57:10, 85:17, 100:13, 101:6, 101:9, 101:12, 102:4, 130:13 <b>organization</b> 19:25, 20:4, 20:5, 31:16, 31:17, 41:9, 41:10, 43:6, 64:7, 67:10, 68:15, 68:18, 93:17, 94:2, 94:4, 137:10, 137:11 <b>organized</b> 140:24 <b>orient</b> 142:2, 191:17 <b>orientation</b> 141:23 <b>original</b> 89:6, 103:5 <b>originally</b> 19:22 <b>ornamental</b> 175:6
---	---	---	--

Transcript of Hearing  
Conducted on July 30, 2021

92

<p><b>other</b> 4:25, 5:3, 6:2, 9:20, 14:15, 17:5, 24:5, 26:9, 26:11, 31:19, 31:20, 32:23, 33:6, 35:9, 35:10, 36:11, 36:18, 36:23, 39:18, 42:13, 43:23, 43:25, 44:15, 45:3, 45:12, 46:22, 47:21, 47:22, 52:21, 53:4, 53:20, 56:14, 60:9, 61:16, 61:19, 66:25, 67:9, 70:17, 71:23, 91:5, 100:3, 101:22, 108:16, 111:25, 115:9, 116:22, 123:18, 131:5, 131:9, 135:2, 135:22, 136:2, 143:10, 153:13, 155:19, 160:12, 162:25, 167:9, 176:17, 188:2 <b>others</b> 13:7, 16:9, 34:20, 49:16, 52:4, 141:15 <b>otherwise</b> 203:8, 204:8 <b>ought</b> 30:18, 42:6, 190:13 <b>out</b> 12:25, 15:21, 16:17, 21:22, 23:1, 23:13, 26:25, 31:4, 33:19, 34:6, 38:1, 44:14, 44:19, 45:13,</p>	<p>46:24, 51:5, 57:24, 59:3, 63:19, 64:8, 65:16, 66:4, 66:16, 69:18, 72:17, 77:7, 78:21, 80:1, 80:17, 84:13, 85:7, 85:20, 89:2, 90:8, 93:13, 102:9, 115:19, 117:25, 125:19, 126:9, 127:10, 134:13, 137:14, 161:22, 165:13, 166:7, 172:4, 177:8, 178:17, 178:20, 179:4, 184:6, 185:9, 187:16, 192:12, 193:15, 194:4, 194:21, 195:7, 195:9, 199:16 <b>outcome</b> 203:8, 204:8 <b>outdoor</b> 192:8 <b>outlets</b> 69:7 <b>outlined</b> 78:23 <b>outnumbered</b> 51:21 <b>outreach</b> 67:25, 68:13 <b>outset</b> 55:2 <b>outside</b> 47:19, 63:16, 65:4, 74:23, 74:24, 81:21, 110:14, 111:18, 177:7, 190:14, 192:6, 192:10, 192:19, 193:16, 194:6, 195:3 <b>over</b> 9:21, 14:19,</p>	<p>19:5, 19:14, 19:15, 25:2, 28:11, 34:9, 35:6, 36:3, 50:1, 50:14, 50:19, 50:22, 50:24, 51:1, 51:3, 54:6, 60:19, 62:15, 69:11, 74:14, 74:16, 80:5, 85:19, 86:9, 88:9, 89:21, 91:25, 113:16, 113:19, 114:2, 114:24, 115:1, 117:12, 134:14, 151:4, 151:10, 151:23, 162:22, 165:14, 166:3, 167:1, 173:23, 192:12 <b>overall</b> 30:11, 159:15 <b>overarching</b> 66:18 <b>overhang</b> 196:6, 196:10, 196:11 <b>overhanging</b> 189:9, 189:22, 189:25, 194:6 <b>overhangs</b> 193:15, 196:11 <b>overlooks</b> 82:10 <b>overseeing</b> 68:19 <b>overview</b> 30:25, 59:4, 87:20, 144:10 <b>overwhelmed</b> 184:11 <b>owe</b> 198:14 <b>owing</b> 102:12 <b>own</b> 51:19, 51:21,</p>	<p>70:14, 74:3, 74:6, 140:19, 159:1, 194:1 <b>owner</b> 97:14 <b>owners</b> 15:7, 58:11, 120:22 <b>ozha</b> 199:24</p> <hr/> <p style="text-align: center;"><b>P</b></p> <hr/> <p><b>p</b> 170:18 <b>page</b> 3:2, 144:2 <b>pages</b> 1:24 <b>paid</b> 199:6 <b>pains</b> 49:7, 58:16 <b>palliative</b> 116:5 <b>pandemic</b> 52:10 <b>panting</b> 79:23 <b>paper</b> 18:10, 141:13 <b>papers</b> 16:8 <b>parallel</b> 154:12 <b>parameters</b> 94:25 <b>parcel</b> 13:11 <b>park</b> 1:6, 2:2, 4:3, 6:8, 13:6, 17:21, 31:13, 31:14, 31:15, 34:2, 41:7, 58:11, 59:10, 63:5, 63:13, 69:23, 82:11, 109:7, 110:2,</p>
---	--	--	--

<p>127:14, 131:22, 134:18, 134:21, 135:1, 142:15, 144:15, 145:9, 145:14, 149:15, 178:13, 178:14, 178:19, 178:20, 178:21, 179:1, 187:6, 187:11, 187:12, 187:17, 189:5, 192:18, 201:14 <b>parker</b> 183:17 <b>parking</b> 13:2, 13:4, 27:3, 37:9, 61:7, 71:19, 134:21, 156:1, 156:2, 156:4, 156:10, 156:12, 157:19, 171:6, 171:8, 175:13, 176:3, 176:21, 187:21, 188:1, 188:3, 191:1 <b>parklike</b> 66:21, 70:2 <b>parks</b> 37:16, 145:16 <b>part</b> 46:13, 46:14, 47:4, 47:12, 47:15, 61:12, 64:7, 65:17, 77:4, 81:5, 82:10, 85:18, 87:23, 88:3, 105:9, 144:25, 159:15, 165:17, 166:7, 167:25, 169:17, 170:9, 170:16, 173:20, 174:1, 174:14, 192:17 <b>partially</b> 24:4 <b>participants</b> 17:8</p>	<p><b>participate</b> 44:1 <b>participated</b> 21:6 <b>particular</b> 25:4, 58:10, 132:13, 136:17, 179:12 <b>particularly</b> 13:19, 132:4, 195:11 <b>parties</b> 6:3, 203:7, 204:7 <b>partly</b> 117:22 <b>parts</b> 70:17, 128:19 <b>pass</b> 20:1 <b>passes</b> 179:15 <b>passing</b> 98:15 <b>past</b> 19:15, 20:2, 22:17, 75:9, 115:18, 187:4, 191:19 <b>path</b> 89:11, 90:3 <b>pathogens</b> 93:22 <b>pathway</b> 90:6 <b>patient</b> 115:25, 116:2, 116:4, 184:7 <b>patient's</b> 13:22 <b>patients</b> 14:2, 115:8, 115:16, 115:18, 116:19, 116:20, 117:15 <b>patio</b> 192:8 <b>patios</b> 162:6</p>	<p><b>patrick</b> 199:3, 201:17 <b>patuxent</b> 11:9, 11:16, 12:4, 12:5, 12:15, 15:1, 19:18, 19:20, 22:1, 24:12, 25:14, 37:14, 70:8, 118:2, 131:8, 132:4, 132:18, 134:3, 143:9, 146:18, 147:20, 147:21, 148:7, 148:11, 148:12, 148:13, 148:15, 148:16, 148:20, 150:5 <b>pave</b> 13:4 <b>paved</b> 13:2, 89:11, 89:12 <b>pavilion</b> 59:20, 59:21, 147:9, 147:10, 147:14, 187:2, 188:23, 188:24, 189:2 <b>paying</b> 17:3 <b>pdf</b> 188:14 <b>pea-brain</b> 102:17 <b>peak</b> 63:17, 63:23, 64:25, 65:1, 65:4, 65:5, 65:7, 66:6, 109:22, 109:23, 109:24, 110:4, 110:14, 110:15, 110:16, 110:17, 110:20, 110:21, 111:3, 111:5, 111:11, 111:12, 111:18</p>	<p><b>penalties</b> 10:14, 28:24, 38:3, 40:19, 73:13, 107:12, 118:24, 139:23, 163:20, 182:21 <b>penn</b> 25:2, 25:3, 25:22, 89:18, 165:12 <b>pennsylvania</b> 89:18 <b>people</b> 11:18, 20:1, 24:13, 24:14, 31:24, 32:10, 36:8, 37:25, 39:17, 45:22, 52:10, 53:1, 53:18, 61:13, 65:14, 65:16, 71:20, 86:4, 88:4, 88:7, 105:20, 130:17, 131:17, 135:22, 136:4, 136:9, 136:10, 136:18, 186:23, 187:5, 187:9, 187:10, 187:16, 189:5, 189:7, 191:7, 191:21, 192:2, 195:2, 195:3, 195:8, 195:17 <b>percent</b> 12:11, 12:14, 12:24, 13:6, 13:8, 14:4, 46:23, 80:16, 85:5, 103:8, 142:18, 142:19, 150:8, 150:23, 151:2, 151:9, 151:11, 151:13, 151:25, 161:7, 162:8, 162:17, 162:18, 166:14 <b>percentage</b> 134:9</p>
---	--	---	--

<p><b>percolation</b> 160:8 <b>perfect</b> 106:16, 121:18, 193:8 <b>perfectly</b> 95:25 <b>perform</b> 82:2 <b>performed</b> 95:4, 106:10 <b>pergola</b> 192:6 <b>perhaps</b> 43:15, 44:15, 48:24, 64:3, 64:5, 66:5, 66:6, 70:1, 71:23, 101:21, 102:7, 129:20, 130:2, 134:20, 136:9, 143:19 <b>perimeter</b> 98:7, 145:19, 171:9, 176:19 <b>period</b> 50:22, 54:6, 79:15, 86:1, 86:7, 86:9, 109:23, 109:24, 110:5, 110:15, 110:17, 111:11, 111:19, 115:21, 167:1, 197:1 <b>periods</b> 65:1, 65:6, 65:7, 110:21, 111:24 <b>periphery</b> 124:10 <b>perjury</b> 10:14, 28:24, 38:3, 40:19, 73:13, 107:12, 118:24, 139:23, 163:20, 182:21 <b>permanent</b> 80:19, 82:9,</p>	<p>93:7 <b>permanently</b> 79:14 <b>permeability</b> 83:16 <b>permit</b> 155:20 <b>permits</b> 120:21 <b>permitted</b> 17:10, 123:19 <b>permitting</b> 120:3, 121:2, 126:19, 159:2, 160:10 <b>perpetuity</b> 33:8 <b>person</b> 4:21, 64:4, 64:25, 109:23, 110:4, 136:5, 168:13, 194:9, 195:7 <b>person's</b> 116:11 <b>personal</b> 74:25 <b>personally</b> 20:5, 108:7 <b>perspective</b> 37:19 <b>pester</b> 26:24 <b>pesticides</b> 52:23, 79:17 <b>petitioner</b> 6:7, 81:6 <b>pfc</b> 167:14 <b>pharmaceuticals</b> 14:9, 103:6, 103:16, 104:13 <b>pharmacological</b> 103:2 <b>pharmacology</b> 14:8, 41:17, 103:4, 104:10 <b>phase</b> 60:13, 60:16,</p>	<p>61:3, 66:11, 87:1, 87:22, 87:25, 88:9, 147:6, 159:7, 166:25, 187:14 <b>phases</b> 186:21 <b>phasing</b> 59:7, 85:19, 87:18 <b>phd</b> 41:17 <b>phenomenal</b> 137:10 <b>philanthropist</b> 33:16 <b>phone</b> 2:7, 27:4, 69:1, 76:17, 119:11, 123:23, 124:1 <b>phonetic</b> 80:7 <b>photo</b> 80:15 <b>photography</b> 143:18 <b>photometric</b> 156:24, 157:6, 179:5 <b>phrase</b> 122:19 <b>physical</b> 63:2, 197:2 <b>pick</b> 21:14, 129:25, 130:2, 168:14 <b>picking</b> 5:1 <b>picture</b> 59:8, 81:16, 86:16, 142:16, 200:19 <b>piece</b> 35:4, 43:1, 130:4, 141:13 <b>pieces</b> 191:8</p>	<p><b>pier</b> 180:11, 181:4 <b>pike</b> 119:6 <b>pine</b> 35:13 <b>pits</b> 50:1, 84:10 <b>pittsburg</b> 97:14 <b>pittsburgh</b> 95:18 <b>place</b> 17:22, 35:10, 40:7, 40:10, 51:18, 66:21, 87:3, 87:11, 87:13, 87:21, 98:3, 98:8, 111:10, 134:19, 134:23, 195:11 <b>placed</b> 18:9, 26:13, 32:17, 33:7, 35:11, 43:21, 44:13, 157:11 <b>placement</b> 14:12, 62:19, 127:17 <b>places</b> 84:14, 84:18, 193:17, 195:19 <b>placing</b> 44:6 <b>plague</b> 52:10, 52:11 <b>plain</b> 150:9 <b>plains</b> 74:24, 150:16 <b>plan</b> 12:9, 12:13, 23:7, 25:13, 30:19, 35:19, 59:11, 60:1, 60:21, 64:16, 71:2, 71:5, 84:22, 85:11,</p>
--	--	--	---

<p>85:23, 86:18, 87:18, 120:21, 126:19, 126:20, 126:21, 127:3, 142:14, 146:8, 146:9, 146:11, 146:13, 146:15, 146:23, 146:25, 147:17, 147:22, 148:13, 151:1, 152:15, 152:22, 153:4, 154:21, 160:4, 160:14, 161:7, 167:17, 168:2, 168:4, 168:21, 168:23, 168:25, 169:1, 169:7, 169:13, 169:20, 170:5, 170:6, 170:8, 170:16, 171:5, 171:15, 171:19, 173:6, 173:7, 173:14, 174:21, 174:24, 176:12, 176:15, 180:8, 180:16, 185:7, 185:10, 185:18, 186:2, 186:11, 188:6, 188:9, 189:14, 190:13, 191:16, 197:1, 197:10, 197:17, 201:18 <b>plane</b> 193:12 <b>planet</b> 129:10 <b>planned</b> 77:3 <b>planner</b> 25:7, 25:11, 25:23, 107:22, 107:23, 108:25 <b>planners</b> 24:18, 24:21, 24:22, 27:2 <b>planning</b> 11:24, 20:6,</p>	<p>20:7, 24:11, 24:12, 26:2, 27:3, 37:16, 74:4, 74:5, 74:7, 75:6, 82:6, 84:14, 89:13, 108:15, 127:14, 142:15, 144:4, 144:5, 145:10, 149:16, 177:22, 201:14 <b>plans</b> 68:4, 158:17, 171:22, 190:21, 194:25, 202:23 <b>plant</b> 50:17, 50:20, 145:21, 167:24, 168:9, 170:2, 173:15, 173:16 <b>planted</b> 90:19, 159:22, 167:7, 167:22, 168:8, 168:10, 169:15, 170:16, 172:24 <b>planters</b> 194:19, 194:23 <b>planting</b> 36:1, 87:14, 89:3, 145:22, 170:9, 171:1, 172:6, 174:5, 175:11 <b>plantings</b> 167:12, 171:21, 173:18 <b>plants</b> 14:3, 50:24, 103:9, 117:17, 168:4 <b>platin</b> 55:24 <b>platinum</b> 55:25, 56:1 <b>pleasant</b> 94:7 <b>please</b> 5:18, 5:20,</p>	<p>5:22, 6:3, 10:13, 11:3, 20:20, 28:21, 29:3, 31:7, 38:2, 38:12, 40:13, 40:23, 41:14, 42:2, 54:14, 56:13, 56:21, 73:2, 73:12, 73:17, 84:21, 86:21, 105:17, 107:5, 107:10, 107:18, 112:21, 113:10, 118:16, 118:22, 123:25, 124:2, 125:2, 128:14, 139:18, 139:22, 141:3, 144:3, 145:3, 148:21, 163:11, 163:18, 163:24, 182:10, 182:20, 183:1 <b>pleased</b> 76:20 <b>pleasing</b> 85:14 <b>pleasure</b> 76:22, 202:20 <b>plenty</b> 192:15, 192:16 <b>plot</b> 42:21, 42:22 <b>plots</b> 42:18, 66:13 <b>plus</b> 12:19, 37:7, 46:23, 64:17 <b>plywood</b> 44:15 <b>pma</b> 148:5, 148:17, 150:4, 150:7, 150:18, 150:19, 151:3, 151:12, 160:15 <b>point</b> 15:21, 19:25,</p>	<p>23:24, 29:6, 30:5, 30:17, 47:10, 51:15, 53:7, 53:12, 77:3, 83:6, 83:24, 84:14, 85:20, 90:8, 118:3, 123:16, 128:8, 129:3, 133:19, 133:25, 135:25, 137:13, 141:22, 147:11, 158:5, 161:23, 166:16, 173:17, 176:17, 177:15, 179:4, 187:15, 188:5 <b>pointed</b> 23:13, 77:7, 78:21, 80:17, 93:13, 177:8 <b>pointing</b> 85:7, 178:17 <b>points</b> 78:6, 84:18, 96:16 <b>pole</b> 181:1 <b>policy</b> 123:3, 148:13 <b>political</b> 137:10, 137:18 <b>pollutant</b> 130:22, 130:25 <b>polluted</b> 137:20 <b>pollution</b> 8:21, 12:15, 12:19, 130:21 <b>polyethylene</b> 79:2 <b>ponds</b> 14:6 <b>pools</b> 162:6 <b>pop</b> 157:25 <b>poplar</b> 80:18, 166:13</p>
---	---	--	---

<p><b>poplars</b> 35:25, 39:11, 166:14, 167:8</p> <p><b>populations</b> 16:23</p> <p><b>portfolio</b> 74:18, 168:12, 185:3</p> <p><b>portion</b> 81:22, 87:7, 96:7, 136:12, 141:17, 141:18, 141:19, 141:20, 141:21, 142:20, 142:22, 143:15, 143:17, 144:19, 147:3, 166:2, 174:13</p> <p><b>portions</b> 154:25</p> <p><b>portrays</b> 84:25</p> <p><b>portuguese</b> 17:1</p> <p><b>pose</b> 123:11, 124:6, 132:3</p> <p><b>position</b> 25:13, 37:11, 53:24, 54:3, 54:5, 105:5, 132:14, 137:16, 139:5, 153:12, 156:7</p> <p><b>positions</b> 120:1</p> <p><b>possibility</b> 15:17, 145:13</p> <p><b>possible</b> 101:8</p> <p><b>possibly</b> 117:7</p> <p><b>post</b> 3:11, 106:2, 163:11, 163:13, 163:17, 163:19, 163:23, 164:1, 164:5, 164:6,</p>	<p>164:11, 164:14, 164:18, 164:20, 164:22, 164:25, 165:7, 165:16, 167:16, 167:20, 168:3, 168:9, 168:18, 168:24, 169:12, 170:1, 170:7, 170:18, 170:21, 171:5, 171:15, 171:20, 171:24, 172:3, 172:15, 172:19, 172:22, 173:9, 173:22, 173:24, 174:4, 174:11, 174:23, 175:3, 175:5, 175:16, 175:22, 175:24, 176:5, 176:11, 176:14, 176:21, 176:24, 177:1, 178:8, 179:2, 179:3, 179:4, 179:9, 179:21, 179:23, 180:2, 180:5, 180:9, 180:15, 181:3, 181:8, 181:10, 181:12, 182:1, 182:5</p> <p><b>posted</b> 202:10</p> <p><b>posts</b> 180:25, 189:21</p> <p><b>potential</b> 92:15, 93:12, 95:5, 162:6, 163:3</p> <p><b>potentially</b> 35:15, 170:2</p> <p><b>potomac</b> 168:20</p> <p><b>potted</b> 50:17, 50:20</p> <p><b>pouring</b> 50:19</p> <p><b>power</b> 99:5</p>	<p><b>powerpoint</b> 77:14</p> <p><b>practicality</b> 80:10</p> <p><b>practice</b> 69:8, 77:11, 139:9, 183:20</p> <p><b>practiced</b> 183:10</p> <p><b>practices</b> 16:3, 33:2, 33:3, 52:12</p> <p><b>prairie</b> 88:24, 193:11, 193:14</p> <p><b>pre-manufactured</b> 159:13</p> <p><b>precautions</b> 70:20</p> <p><b>preceded</b> 94:11, 94:13</p> <p><b>precedent</b> 131:11</p> <p><b>predate</b> 98:18</p> <p><b>predicament</b> 30:12</p> <p><b>predominantly</b> 89:8</p> <p><b>preferable</b> 71:23</p> <p><b>preference</b> 179:14</p> <p><b>preliminary</b> 4:20, 6:2, 6:17, 71:1, 84:7, 160:13, 167:17, 169:7, 197:10</p> <p><b>premise</b> 81:2</p> <p><b>preneeds</b> 65:22</p> <p><b>preparation</b> 24:1, 191:25</p> <p><b>prepare</b> 109:16</p> <p><b>prepared</b> 10:10, 109:6,</p>	<p>118:17, 120:7, 145:4, 149:15, 157:6, 158:17</p> <p><b>prescribes</b> 12:10, 57:23</p> <p><b>presence</b> 93:22, 94:13, 101:16, 177:21, 198:9</p> <p><b>present</b> 2:9, 4:14, 4:19, 27:11, 27:24, 95:11, 102:3, 102:4, 116:11, 124:22, 126:1, 126:2, 147:12</p> <p><b>presentation</b> 7:13, 7:21, 8:11, 10:6, 30:17, 77:14, 77:16, 78:2, 87:6, 88:19, 96:20, 107:2, 196:1, 196:2, 196:5, 196:19, 197:5, 197:22, 199:15</p> <p><b>presentations</b> 9:25</p> <p><b>presented</b> 37:18, 68:5, 125:11</p> <p><b>presents</b> 4:17</p> <p><b>preservation</b> 143:24</p> <p><b>preserve</b> 33:4, 35:10, 37:11, 47:9, 88:22, 152:17</p> <p><b>preserves</b> 33:8, 146:18, 146:24</p> <p><b>preserving</b> 173:24</p> <p><b>president</b> 41:9</p>
--	---	---	--

<p><b>press</b> 5:6, 21:15 <b>presumably</b> 7:10, 139:4, 155:4, 155:6, 178:2 <b>presumption</b> 17:18 <b>pretty</b> 17:6, 92:11, 97:16, 166:12, 194:5 <b>prevent</b> 45:7, 103:21 <b>previous</b> 22:13, 87:19, 122:1 <b>previously</b> 11:12, 147:5, 166:10 <b>price</b> 17:3 <b>primarily</b> 20:11, 22:18, 60:4, 88:22, 89:3, 89:23, 157:14, 171:6 <b>primary</b> 35:2, 65:20, 65:21, 147:20, 148:5, 148:12 <b>primer</b> 9:24, 10:3 <b>prince</b> 11:19 <b>principles</b> 28:14, 31:6 <b>print</b> 104:19 <b>printing</b> 200:6 <b>prior</b> 155:4 <b>private</b> 74:25, 123:9, 125:6 <b>privileges</b> 104:22</p>	<p><b>probably</b> 7:11, 8:13, 8:24, 8:25, 12:25, 17:7, 23:5, 27:20, 28:14, 37:3, 40:1, 52:8, 52:13, 56:11, 56:14, 57:7, 60:17, 71:5, 72:1, 75:17, 77:1, 85:8, 85:22, 93:10, 94:19, 96:14, 99:24, 105:7, 108:19, 116:5, 123:7, 131:1, 133:21, 140:19, 140:23, 147:4, 153:22, 154:12, 164:22, 164:24, 167:6, 168:11, 176:3, 188:7, 190:7, 190:8, 194:18, 197:11, 200:2, 200:3, 201:13 <b>problem</b> 16:22, 16:25, 24:20, 55:10, 55:11, 57:7, 57:9, 61:25, 137:6, 141:12, 172:19 <b>problems</b> 8:7, 44:23, 97:8, 171:10 <b>procedural</b> 7:7, 24:10, 37:23, 105:3 <b>procedure</b> 42:17 <b>procedures</b> 77:11 <b>proceed</b> 8:21, 28:8, 30:10, 59:18, 60:10, 61:4,</p>	<p>64:21 <b>proceedings</b> 203:3, 203:4, 204:4 <b>process</b> 7:8, 20:3, 22:14, 22:22, 22:23, 22:24, 23:3, 42:4, 42:7, 42:8, 44:2, 47:2, 47:4, 47:15, 56:6, 57:19, 66:19, 70:7, 71:3, 81:15, 82:6, 84:15, 87:8, 87:13, 88:6, 88:16, 96:9, 121:12, 133:2, 160:14, 165:16, 166:19, 197:9 <b>processes</b> 47:19, 52:21, 124:18 <b>production</b> 45:10 <b>products</b> 44:18, 95:10 <b>profession</b> 107:21, 119:20, 164:5, 183:8 <b>professional</b> 20:24, 41:12, 74:14, 91:4, 131:21, 161:1, 193:20 <b>proffer</b> 112:4 <b>proffering</b> 121:9 <b>program</b> 75:20, 75:23, 86:19, 89:3, 95:4, 95:6, 125:3, 174:2 <b>project</b> 11:16, 14:18,</p>	<p>21:22, 21:25, 24:19, 29:19, 30:11, 32:13, 32:20, 33:25, 37:20, 49:4, 52:6, 56:24, 56:25, 71:23, 72:13, 124:12, 124:14, 145:5, 157:9, 166:21, 184:10 <b>projects</b> 24:15 <b>prolonged</b> 86:1, 86:9 <b>promontories</b> 84:16 <b>promontory</b> 83:5, 143:3 <b>promote</b> 32:24, 152:13 <b>promoted</b> 24:15 <b>promotes</b> 33:1, 43:6, 43:12, 56:3 <b>promoting</b> 68:16 <b>prompted</b> 99:18 <b>proper</b> 28:14 <b>properly</b> 95:12 <b>properties</b> 12:23, 13:9, 13:10, 15:12, 17:19, 58:21, 127:7, 134:10, 134:24, 148:1, 159:22, 162:25 <b>proposal</b> 109:7, 124:11, 131:22, 155:17, 159:17, 160:3, 177:23, 178:5 <b>proposed</b> 15:25, 17:11,</p>
---	--	---	--

<p>17:16, 19:23, 22:17, 71:17, 109:10, 127:7, 132:3, 147:7, 150:20, 152:5, 161:11 <b>proposing</b> 140:10, 161:5, 174:12 <b>props</b> 78:2 <b>protect</b> 11:25, 12:7, 12:8, 148:10, 152:14 <b>protected</b> 15:12, 81:18 <b>protecting</b> 148:6, 151:18, 197:15 <b>protection</b> 22:3, 22:5, 22:25, 23:9, 23:17, 81:21, 82:8, 131:10, 131:12, 147:23, 147:24, 147:25, 148:1 <b>protective</b> 11:10, 19:20, 49:5 <b>provide</b> 5:20, 31:7, 42:10, 43:7, 66:20, 82:9, 100:11, 145:21, 145:22, 148:9, 152:11, 154:19, 158:20, 162:3, 168:24, 169:12, 171:15, 175:8, 175:13, 177:19 <b>provided</b> 15:23, 69:18, 70:19, 157:17, 204:5 <b>provides</b> 27:23, 129:15,</p>	<p>148:5 <b>providing</b> 42:15, 57:19, 133:22 <b>provisions</b> 122:3 <b>proximate</b> 108:7 <b>proximity</b> 37:13, 95:22 <b>public</b> 17:12, 67:17, 91:8, 97:10, 109:15, 121:13, 122:13, 122:20, 122:21, 122:22, 122:25, 160:4, 160:5, 160:7, 160:12, 165:15, 197:8 <b>public's</b> 96:10 <b>publication</b> 13:24 <b>publicly</b> 137:11 <b>publish</b> 197:18 <b>published</b> 4:11, 16:8 <b>pull</b> 134:13, 153:14, 172:11, 185:9 <b>pulled</b> 134:12, 172:14 <b>pulling</b> 79:24 <b>purchased</b> 37:12 <b>purchasers</b> 171:3 <b>purchasing</b> 37:17 <b>pure</b> 53:9, 81:23 <b>purely</b> 174:1 <b>purpose</b> 10:24, 31:17,</p>	<p>31:24, 32:5, 81:15, 83:13, 83:14, 122:23, 135:15 <b>purposeful</b> 32:10 <b>purposes</b> 9:25, 144:9 <b>push</b> 52:9 <b>put</b> 6:23, 7:8, 7:10, 12:1, 12:3, 16:1, 33:10, 35:12, 45:18, 55:16, 70:7, 77:15, 79:7, 84:23, 111:15, 125:3, 132:6, 163:11, 170:1, 179:17 <b>putman's</b> 9:3, 31:1, 41:13, 42:3, 46:5, 49:2, 49:21, 56:12, 68:8, 91:4, 99:25, 113:16, 113:17, 128:7 <b>putnam</b> 109:1, 112:9, 114:11 <b>putnam's</b> 56:17 <b>putting</b> 112:20, 191:8 <b>p-o-s-t</b> 164:1</p> <hr/> <p><b>Q</b></p> <hr/> <p><b>qualifications</b> 108:24, 109:2 <b>qualified</b> 75:6, 108:14, 109:3, 120:6, 120:11, 121:21, 121:22, 125:18, 136:23, 140:9,</p>	<p>164:15 <b>qualify</b> 73:1, 76:1, 76:11, 109:4, 165:6, 184:4 <b>qualifying</b> 76:7, 140:13, 184:2 <b>quality</b> 9:2, 68:9, 69:16, 70:8, 70:21, 71:8, 72:21, 91:22, 94:6, 132:3, 135:11, 135:17, 147:23, 147:24, 148:6, 148:10, 197:12 <b>quarter</b> 51:5, 148:14, 148:18, 150:4, 156:5, 156:10 <b>queried</b> 131:17 <b>question</b> 7:7, 15:25, 20:19, 20:20, 28:11, 33:18, 34:25, 39:24, 40:1, 49:12, 53:23, 54:16, 54:22, 55:5, 55:6, 55:14, 55:15, 57:13, 57:22, 58:9, 64:22, 71:14, 82:18, 97:6, 97:12, 97:13, 97:21, 98:5, 98:16, 99:16, 105:4, 108:24, 115:15, 117:6, 118:6, 123:1, 128:21, 129:18, 133:22, 134:5, 135:10, 137:5, 137:24, 138:11, 165:12, 169:2,</p>
--	---	---	---

173:3, 177:6, 178:16, 184:19, 200:3 <b>questions</b> 15:22, 18:3, 18:23, 24:9, 25:9, 26:19, 26:23, 27:9, 29:13, 29:24, 31:3, 31:13, 39:20, 39:21, 40:5, 41:13, 42:1, 42:3, 56:18, 58:23, 59:6, 69:3, 72:2, 72:6, 72:15, 78:1, 80:12, 90:12, 96:14, 96:17, 96:19, 100:3, 102:25, 103:25, 104:25, 110:11, 112:6, 112:8, 117:3, 117:4, 128:5, 133:5, 133:9, 133:11, 135:6, 135:7, 137:25, 139:14, 162:10, 162:13, 163:5, 165:8, 176:24, 177:1, 182:3, 182:5, 196:2 <b>quick</b> 110:13 <b>quickly</b> 79:9 <b>quite</b> 36:21, 37:5, 45:9, 48:24, 69:9, 77:4, 79:5 <b>quote</b> 15:24, 17:6, 21:9, 21:16, 65:17, 92:8, 92:12, 92:15, 92:16, 93:17, 122:17	<b>quotes</b> 21:20 <b>quoting</b> 16:2, 93:25, 138:19 <hr/> <b>R</b> <hr/> <b>r</b> 170:18 <b>radio</b> 22:12 <b>radius</b> 144:7 <b>rain</b> 12:18, 130:6, 132:12, 134:10, 162:19, 162:20 <b>rainfall</b> 13:9 <b>rains</b> 12:18 <b>raise</b> 5:4, 10:13, 28:21, 38:2, 40:14, 73:12, 107:11, 108:12, 118:22, 139:22, 163:18, 182:14, 182:18, 182:20 <b>raised</b> 7:18, 27:17, 28:16, 29:14, 40:18, 99:15 <b>ramps</b> 191:3 <b>ran</b> 129:23 <b>range</b> 142:17, 142:19 <b>ranges</b> 129:19 <b>rapid</b> 42:16, 43:17, 93:14 <b>rapidly</b> 48:2, 48:3, 52:11, 103:22 <b>rare</b> 150:10	<b>rarely</b> 66:3 <b>rate</b> 45:21, 169:11 <b>rather</b> 63:7, 80:22, 137:24, 154:1 <b>ratio</b> 87:14 <b>raw</b> 79:6, 136:1 <b>rc</b> 15:11, 58:10, 152:10, 152:16, 152:23, 153:7, 155:13, 159:17, 174:21 <b>reach</b> 13:18, 69:18, 133:23, 156:10, 193:15 <b>reaches</b> 123:17 <b>reacted</b> 101:23 <b>reaction</b> 76:19 <b>reacts</b> 102:1 <b>read</b> 13:23, 18:16, 21:7, 21:19, 78:24, 80:13, 92:6, 113:19, 115:19, 122:4, 122:10, 147:3, 179:1, 181:3 <b>readily</b> 17:1, 44:9, 44:12, 44:14, 44:22, 56:5 <b>reading</b> 21:2, 104:5, 114:25 <b>reads</b> 64:24, 65:10, 122:11 <b>ready</b> 72:11, 86:17,	106:24 <b>real</b> 39:18, 135:24 <b>reality</b> 137:18 <b>realize</b> 130:23 <b>realized</b> 38:1 <b>really</b> 7:16, 12:5, 24:16, 26:24, 33:22, 36:15, 36:22, 39:14, 39:16, 48:23, 56:3, 67:12, 96:13, 101:22, 110:12, 115:3, 115:5, 115:15, 116:13, 116:14, 136:8, 157:4, 165:8, 167:23, 174:5, 184:22, 184:24, 190:1, 191:6, 191:15, 191:25, 192:19, 193:15, 193:18, 194:2, 194:4, 194:22, 197:2 <b>rear</b> 134:17, 156:11, 159:8 <b>reason</b> 32:25, 45:6, 79:8, 87:1, 103:10, 108:24, 113:7, 113:24, 124:23, 168:20 <b>reasonable</b> 67:21 <b>reasons</b> 32:12, 49:18, 123:3, 189:8 <b>rebut</b> 8:20 <b>rebuttal</b> 4:19, 7:10, 7:21, 8:9
---	---	--	---

<p><b>receding</b> 126:3</p> <p><b>receive</b> 27:4</p> <p><b>received</b> 7:16, 69:14, 160:8</p> <p><b>receiving</b> 46:5, 115:16, 116:7</p> <p><b>recent</b> 12:12, 21:15, 57:11, 93:19, 98:21, 108:19</p> <p><b>recently</b> 21:19, 32:15, 68:21, 68:25, 74:10, 104:11, 108:18, 164:19, 166:11</p> <p><b>recess</b> 106:21</p> <p><b>recharge</b> 132:15</p> <p><b>recited</b> 15:22</p> <p><b>recognition</b> 117:16, 152:19</p> <p><b>recognize</b> 5:10, 183:15</p> <p><b>recognized</b> 152:22</p> <p><b>recognizing</b> 77:8</p> <p><b>recommend</b> 150:6</p> <p><b>recommendation</b> 43:9, 153:3</p> <p><b>recommendations</b> 146:23, 146:25, 147:17, 160:3</p> <p><b>recommended</b> 64:23, 160:20</p> <p><b>recommending</b> 152:24</p> <p><b>recommends</b> 43:19, 146:15, 152:16</p>	<p><b>record</b> 4:2, 4:7, 5:19, 6:3, 6:4, 11:4, 29:4, 37:24, 40:18, 40:24, 61:24, 62:15, 73:18, 77:15, 78:17, 86:24, 92:7, 104:5, 104:18, 105:17, 106:19, 108:8, 113:12, 113:13, 114:6, 119:4, 127:21, 140:3, 142:10, 146:5, 149:6, 158:19, 163:25, 172:2, 183:1, 198:11, 198:16, 202:1, 204:3</p> <p><b>recorded</b> 203:5, 204:3</p> <p><b>recording</b> 202:25, 204:5</p> <p><b>rectangles</b> 87:12, 172:23</p> <p><b>red</b> 84:13, 107:19, 107:25, 108:1, 195:6</p> <p><b>redirect</b> 135:7, 138:4</p> <p><b>redo</b> 38:19</p> <p><b>reduce</b> 12:13, 124:19</p> <p><b>reducing</b> 85:14, 147:13</p> <p><b>reduction</b> 128:23</p> <p><b>reece's</b> 127:25</p> <p><b>refer</b> 103:3, 103:20, 178:5, 181:16</p> <p><b>reference</b> 21:4, 95:2, 98:17, 141:15,</p>	<p>174:17</p> <p><b>referenced</b> 55:3, 55:9</p> <p><b>referred</b> 47:6, 55:21</p> <p><b>referring</b> 60:22, 100:17, 101:19, 142:10</p> <p><b>refined</b> 129:8</p> <p><b>reflect</b> 98:22, 98:23</p> <p><b>reflection</b> 13:6, 17:21, 31:13, 31:14, 31:15, 34:2, 58:11, 63:4, 69:23, 90:9, 95:12, 95:13, 131:22, 134:18, 134:21, 135:1, 179:1</p> <p><b>reflections</b> 1:6, 2:2, 4:3, 178:14</p> <p><b>reforest</b> 88:10, 167:3, 167:4</p> <p><b>reforestation</b> 86:16, 87:13, 88:17, 166:22, 174:4</p> <p><b>reforested</b> 87:16, 153:2</p> <p><b>reforesting</b> 86:20, 89:25, 169:8</p> <p><b>regard</b> 58:10, 88:14, 176:10, 177:17, 198:4</p> <p><b>regarding</b> 67:4, 68:8</p> <p><b>regardless</b> 57:20, 155:16</p> <p><b>regards</b> 91:19, 161:5</p> <p><b>regimen</b> 117:25</p>	<p><b>registered</b> 74:5, 120:13, 126:20, 127:10, 183:9</p> <p><b>regularly</b> 135:11</p> <p><b>regulated</b> 81:16, 81:18, 82:1, 82:7</p> <p><b>regulation</b> 167:21, 173:25</p> <p><b>regulations</b> 165:17</p> <p><b>reinforce</b> 90:25</p> <p><b>reiterate</b> 67:14</p> <p><b>reiterating</b> 139:8</p> <p><b>relate</b> 194:12</p> <p><b>related</b> 65:21, 67:6, 67:10, 203:6, 204:6</p> <p><b>relates</b> 42:5</p> <p><b>relating</b> 46:10</p> <p><b>relationship</b> 12:7, 31:23, 32:9, 32:14, 194:9</p> <p><b>relative</b> 171:2</p> <p><b>relatively</b> 147:14, 158:22</p> <p><b>release</b> 100:7</p> <p><b>released</b> 112:14, 112:15</p> <p><b>releases</b> 45:11</p> <p><b>relevant</b> 41:12</p> <p><b>relief</b> 93:5, 142:17</p> <p><b>religious</b> 144:20, 144:21,</p>
--	---	--	--

195:11 <b>rely</b> 106:9 <b>relying</b> 114:4 <b>remain</b> 115:24, 138:21 <b>remaining</b> 56:19 <b>remains</b> 87:3, 115:20, 124:6, 128:20, 130:10 <b>remarked</b> 21:25 <b>remember</b> 19:9, 37:22, 37:23, 97:3, 97:4, 164:9, 170:23, 186:1, 189:14 <b>remembrance</b> 6:8, 41:7, 109:7, 110:2, 178:13, 178:20, 178:21 <b>reminder</b> 19:8, 202:9 <b>remote</b> 80:8, 88:3, 88:7, 97:16 <b>remotely</b> 4:20, 5:21 <b>removal</b> 89:14 <b>remove</b> 14:4 <b>removed</b> 87:9, 103:8 <b>rendered</b> 133:21, 185:18, 186:2 <b>rendering</b> 145:4, 199:21, 202:7 <b>renders</b> 53:11 <b>renewal</b> 31:23, 32:9	<b>rep</b> 23:8 <b>repeat</b> 20:20 <b>repeated</b> 32:2 <b>replaced</b> 34:23 <b>replanting</b> 169:11 <b>report</b> 8:5, 13:23, 13:25, 14:9, 18:16, 26:5, 49:25, 64:10, 64:15, 92:17, 102:14, 104:14, 106:9, 106:10, 125:11, 127:20, 141:15, 144:4, 155:25, 160:21, 174:17, 178:3, 197:18 <b>reported</b> 22:19 <b>reporter</b> 4:25, 6:15, 21:24, 38:12, 106:19, 186:5, 203:1 <b>reports</b> 97:8, 103:7 <b>represent</b> 82:13, 87:12, 93:10, 172:23, 172:24 <b>representational</b> 173:10, 200:19 <b>representative</b> 64:11, 90:15 <b>representing</b> 6:7 <b>represents</b> 81:18, 81:22, 85:4, 85:11 <b>request</b> 4:9, 23:6, 149:15, 202:12	<b>requests</b> 22:19, 23:2 <b>require</b> 17:19, 79:23 <b>required</b> 61:8, 79:25, 81:20, 85:15, 88:12, 154:20, 156:3, 158:8, 167:20, 167:22, 168:5, 168:7, 168:25, 169:14, 169:17, 175:14, 178:5 <b>requirement</b> 51:11, 156:16 <b>requirements</b> 17:17, 25:17, 61:1, 82:16, 88:13, 89:13, 109:16, 157:21, 158:6, 158:22, 159:17, 159:18, 160:16, 168:3, 171:5, 173:21, 173:25, 176:12, 176:16, 176:22 <b>requires</b> 58:19, 89:14, 153:7, 155:9, 156:4, 159:3, 161:7 <b>requiring</b> 95:8 <b>research</b> 26:14, 41:18, 92:4, 113:16, 155:2 <b>reservoir</b> 11:17, 12:8, 15:1, 15:3, 37:14, 70:9, 97:20, 98:4, 128:12, 132:4, 132:7, 132:9, 133:3, 135:11, 136:10, 136:12, 136:15, 136:19,	137:12, 137:20 <b>reservoirs</b> 147:24 <b>reside</b> 97:22 <b>resided</b> 97:15 <b>residence</b> 174:14 <b>residences</b> 97:7 <b>residential</b> 15:9, 15:12, 130:14, 144:12, 144:25, 145:7, 145:8, 146:11, 146:17, 152:13, 161:15, 162:7, 189:24, 193:23, 194:1 <b>residents</b> 97:9 <b>residual</b> 47:11 <b>resolve</b> 14:16 <b>resource</b> 67:12, 142:14, 143:23 <b>resources</b> 67:1, 113:16, 143:22 <b>respect</b> 9:12, 24:18, 56:23, 97:6, 104:21, 137:9 <b>respectful</b> 36:17, 49:4, 49:9 <b>respectively</b> 147:8 <b>respiratory</b> 51:25 <b>responding</b> 41:13 <b>responds</b> 85:17 <b>response</b> 49:17, 56:12,
--	--	--	---

99:2, 117:7, 137:4, 200:5 <b>responses</b> 25:9, 25:12 <b>responsibility</b> 81:3 <b>responsible</b> 14:15, 23:13, 24:12, 77:9, 77:11, 81:9, 92:1, 121:4 <b>rest</b> 8:10, 32:17, 84:18, 86:8, 187:18 <b>restore</b> 31:22, 32:8, 32:13 <b>restrict</b> 57:13, 57:16 <b>restriction</b> 110:13 <b>restrictions</b> 12:1 <b>result</b> 47:19, 52:20, 117:24, 160:18 <b>results</b> 93:21, 94:23, 127:13, 160:8 <b>resuming</b> 106:21, 113:13 <b>retained</b> 125:6, 145:19 <b>retard</b> 45:7, 45:8 <b>retestify</b> 54:17 <b>rethink</b> 198:2 <b>retired</b> 119:21, 120:24 <b>retiring</b> 198:23 <b>return</b> 43:24, 48:25 <b>returned</b> 101:4	<b>returning</b> 42:14, 101:10 <b>returns</b> 36:4 <b>reveal</b> 98:13 <b>reverse</b> 65:2 <b>review</b> 23:9, 25:19, 70:14, 70:16, 71:2, 120:21 <b>reviewed</b> 126:21, 142:15 <b>reviewer</b> 126:20 <b>reviewing</b> 178:7 <b>reviews</b> 71:7 <b>right</b> 6:2, 10:13, 15:5, 17:4, 18:11, 28:22, 29:8, 29:11, 38:2, 38:22, 40:4, 40:18, 42:1, 51:20, 58:6, 59:21, 62:3, 63:9, 64:12, 69:5, 73:8, 73:12, 74:19, 75:5, 76:21, 77:20, 79:4, 79:14, 79:22, 87:1, 89:6, 103:24, 104:24, 106:11, 106:22, 107:9, 107:11, 110:1, 110:18, 110:25, 114:13, 118:23, 122:8, 129:1, 133:1, 135:23, 137:23, 138:18, 139:22, 142:11, 145:21, 149:5, 154:3, 154:7,	154:12, 154:13, 155:22, 159:5, 161:18, 163:19, 164:14, 164:24, 170:7, 170:11, 172:8, 174:6, 174:20, 174:25, 176:10, 180:2, 180:3, 180:5, 180:6, 180:11, 180:17, 181:4, 181:15, 182:20, 186:16, 186:17, 187:20, 187:22, 190:9, 192:5, 193:13, 195:2, 195:24 <b>right-hand</b> 153:24 <b>right-of-way</b> 154:20 <b>risk</b> 14:20, 45:19, 53:19, 57:15, 70:7, 99:11, 132:3, 197:5, 198:5 <b>risks</b> 14:18 <b>risky</b> 23:10 <b>river</b> 12:7, 12:20, 12:21, 13:12, 14:20, 14:23, 14:25, 15:1, 15:17, 35:18, 49:13, 128:11, 132:19, 132:25, 133:16, 134:3, 143:9, 146:18, 147:20, 147:22, 148:7, 148:11, 148:12, 148:13, 148:15, 148:16, 148:19, 150:5 <b>rivers</b> 12:4, 14:5,	16:24 <b>road</b> 11:6, 37:1, 60:2, 60:10, 60:13, 73:21, 85:12, 85:13, 85:16, 88:2, 88:5, 89:11, 89:12, 110:6, 135:24, 137:5, 137:6, 140:6, 141:24, 141:25, 149:17, 157:12, 164:2, 187:20 <b>roads</b> 12:18, 84:23, 151:16, 157:13 <b>roadway</b> 61:5, 66:13, 157:18, 162:5 <b>rock</b> 80:8, 129:7, 129:10, 130:2, 130:3, 130:4 <b>rockville</b> 1:13, 2:6, 6:7, 41:2 <b>rocky</b> 11:17, 12:8, 12:23, 14:25, 15:1, 70:9, 143:9, 147:23 <b>role</b> 23:14, 41:6, 165:9 <b>roof</b> 147:15, 162:5, 189:9, 189:22, 189:23, 189:25, 195:4 <b>roofs</b> 191:9, 194:6, 194:7 <b>room</b> 28:11, 192:4, 192:8, 195:4, 195:19 <b>roughly</b> 146:12
--	---	---	---

<p><b>roundabout</b> 149:17, 149:19, 187:14 <b>routinely</b> 45:22, 135:18 <b>ruining</b> 114:11 <b>rules</b> 4:23, 9:15, 133:18 <b>run</b> 19:23, 36:9, 51:13, 82:12, 88:25, 129:22, 146:12, 162:19 <b>running</b> 36:7 <b>runoff</b> 58:11, 134:23, 135:1 <b>runs</b> 13:9 <b>rural</b> 4:4, 15:7, 57:23, 59:13, 62:22, 90:23, 97:17, 146:19, 146:24, 151:20, 151:21, 152:9, 155:4, 189:15, 189:18 <b>rustic</b> 90:23, 189:18</p> <hr/> <p><b>S</b></p> <hr/> <p><b>s</b> 74:6, 77:1, 92:9, 143:19, 171:24, 172:8, 172:11 <b>s-o-u-c-u-p</b> 22:9 <b>s-t-e-p-h-e-n</b> 140:4 <b>safe</b> 36:11, 48:6, 52:22, 101:5, 125:4</p>	<p><b>safely</b> 157:18 <b>safer</b> 51:22 <b>safety</b> 17:12, 36:15, 121:5, 126:8 <b>said</b> 18:5, 22:2, 24:10, 25:16, 32:3, 36:18, 37:16, 40:7, 44:18, 53:24, 58:25, 72:12, 72:20, 76:18, 93:16, 97:7, 103:1, 114:1, 118:14, 127:15, 134:9, 169:7, 177:10, 177:12, 177:13, 203:4, 204:4 <b>sake</b> 61:14 <b>salt</b> 135:24, 137:5, 137:7 <b>salty</b> 16:17 <b>same</b> 4:12, 8:3, 29:13, 52:20, 69:19, 93:12, 94:18, 101:8, 115:3, 141:12, 172:19, 174:11, 201:15 <b>samples</b> 92:18, 93:19 <b>sanitarians</b> 102:13 <b>satisfactorily</b> 71:12 <b>satisfied</b> 176:20, 176:22 <b>satisfies</b> 17:16 <b>satisfy</b> 38:19, 131:22,</p>	<p>155:10, 173:16, 176:12, 176:16 <b>saturate</b> 13:11 <b>saw</b> 85:13, 90:19 <b>say</b> 4:13, 4:14, 5:9, 5:17, 8:5, 10:24, 10:25, 11:13, 16:19, 19:17, 19:18, 21:1, 23:8, 23:24, 25:6, 38:21, 39:1, 41:23, 42:16, 42:20, 51:4, 51:22, 52:23, 57:2, 79:5, 79:12, 80:8, 84:3, 91:17, 91:25, 92:25, 93:4, 94:16, 95:21, 96:15, 98:22, 99:4, 100:9, 100:24, 101:5, 101:21, 105:20, 105:22, 106:9, 107:24, 108:1, 111:11, 114:1, 117:11, 117:12, 120:17, 121:10, 124:15, 126:8, 129:19, 131:4, 136:10, 137:9, 137:11, 139:1, 150:21, 164:23, 170:4, 173:5, 175:5, 181:19, 182:15, 183:12, 184:21, 184:23, 184:24, 199:8, 200:2 <b>saying</b> 32:6, 34:24, 51:8, 51:10, 83:14, 101:13, 124:1, 164:9,</p>	<p>169:23, 177:14 <b>says</b> 6:23, 13:25, 16:2, 17:9, 18:10, 24:25, 55:24, 106:5, 138:20, 168:21, 169:18, 178:12, 180:16 <b>scale</b> 49:19, 186:13, 191:8, 192:22, 193:4, 194:8 <b>scales</b> 194:11 <b>scattered</b> 81:25, 88:24 <b>scenario</b> 88:4 <b>scenic</b> 152:14 <b>school</b> 193:11, 193:14 <b>schools</b> 183:18 <b>science</b> 19:11, 70:5, 92:25, 99:3 <b>scientific</b> 16:9, 46:16, 126:10 <b>scientist</b> 70:11 <b>sclerosis</b> 45:22 <b>scope</b> 119:25 <b>scratch</b> 30:19 <b>screen</b> 5:6, 5:8, 78:14, 112:21, 141:11, 142:10, 148:23, 157:25, 163:12 <b>screening</b> 171:6, 174:18, 176:19</p>
--	---	---	---

<p><b>scroll</b> 180:24, 190:15, 190:16 <b>scrum@mhgpa</b> 140:7 <b>scrutiny</b> 71:8, 197:14 <b>sea</b> 142:21, 143:1, 143:5 <b>search</b> 24:7 <b>searched</b> 26:9 <b>searches</b> 46:6, 46:7 <b>searching</b> 16:19, 23:24 <b>sears</b> 159:12 <b>season</b> 95:25, 126:14 <b>seasonal</b> 53:25, 123:16 <b>seasonally</b> 50:2, 50:4, 50:6, 50:9 <b>seated</b> 191:21 <b>sec</b> 141:7 <b>second</b> 35:11, 37:22, 40:17, 40:18, 61:3, 80:17, 86:15, 97:12, 97:21, 103:13, 113:23, 119:10, 119:11, 156:20, 159:7, 168:19, 178:9, 179:20 <b>secondary</b> 81:14, 81:25 <b>seconds</b> 7:5, 9:24, 50:25 <b>secretary</b> 41:9</p>	<p><b>section</b> 17:9, 74:20, 85:6, 87:11, 87:16, 87:17, 88:11, 121:2, 122:3, 122:10, 156:4, 175:11, 193:1 <b>sections</b> 88:2 <b>secure</b> 114:3 <b>see</b> 5:7, 5:8, 5:13, 6:9, 15:21, 17:2, 27:2, 37:20, 45:3, 60:21, 60:23, 60:24, 61:3, 61:6, 61:10, 65:25, 78:9, 78:19, 78:25, 81:17, 81:25, 82:7, 83:3, 83:8, 84:4, 85:24, 86:2, 86:10, 87:4, 87:7, 87:22, 88:9, 89:9, 89:20, 90:3, 92:4, 99:15, 102:11, 104:22, 106:15, 112:23, 113:2, 117:1, 127:5, 136:2, 141:9, 142:8, 145:3, 147:19, 154:11, 156:18, 157:2, 163:14, 169:21, 175:16, 176:4, 178:10, 179:5, 179:19, 179:20, 179:23, 180:10, 185:22, 186:15, 186:18, 187:24, 188:24, 189:10, 191:1, 191:2, 192:2,</p>	<p>192:3, 192:14, 192:15, 193:2, 193:6, 194:23, 195:1, 195:2, 195:6, 196:9, 198:20, 201:24 <b>seeing</b> 26:8, 77:21, 85:22, 138:1, 148:24, 156:23 <b>seeking</b> 76:1, 129:15 <b>seem</b> 12:24, 13:7, 23:18, 98:25 <b>seems</b> 16:21, 39:9, 55:5, 123:1 <b>seen</b> 20:9, 21:19, 80:4, 85:11, 177:23 <b>seeping</b> 93:7, 93:8 <b>segregate</b> 8:23 <b>select</b> 168:12 <b>selected</b> 168:15 <b>selectively</b> 89:25 <b>self</b> 20:11 <b>sell</b> 154:25 <b>seminars</b> 67:11 <b>send</b> 198:17, 199:3, 199:23 <b>sense</b> 7:19, 7:25, 24:25, 30:25, 64:13, 65:15, 88:21, 90:7, 99:24, 140:23 <b>sensitive</b> 25:14, 58:13,</p>	<p>150:10, 152:14 <b>sentitaff</b> 80:7 <b>separate</b> 39:25, 80:8, 94:3, 159:3 <b>separation</b> 91:11, 91:14, 91:15, 124:15, 125:1, 125:4, 127:25, 132:6 <b>septic</b> 14:3, 53:4, 57:24, 60:25, 61:1, 83:7, 103:8, 115:9, 117:16, 120:3, 120:15, 120:19, 120:22, 121:1, 121:5, 121:12, 121:17, 126:9, 126:14, 127:7, 127:23, 127:25, 132:13, 136:4, 136:11, 136:13, 159:1, 159:4, 159:6, 159:7, 160:9, 161:23, 161:25 <b>sequence</b> 27:16 <b>sequentially</b> 27:18 <b>serene</b> 192:21, 193:17 <b>serial</b> 164:9 <b>seriously</b> 16:7 <b>serve</b> 15:7, 41:9, 59:21, 135:19, 157:14 <b>served</b> 58:21, 97:9, 122:13, 156:3, 156:6, 156:9, 159:6, 160:7</p>
--	---	--	--

<p><b>serves</b> 32:19, 33:4</p> <p><b>service</b> 33:20, 114:21</p> <p><b>services</b> 121:3, 126:19, 159:3, 160:10</p> <p><b>session</b> 14:17, 106:12</p> <p><b>set</b> 152:23, 159:21, 173:4, 173:8, 173:9</p> <p><b>set-backs</b> 147:6</p> <p><b>setback</b> 154:23, 189:15</p> <p><b>setbacks</b> 16:5, 36:12, 58:18, 58:20, 70:20, 82:7, 147:1, 147:16</p> <p><b>setting</b> 59:16, 67:18, 80:2, 97:18, 116:6</p> <p><b>seven</b> 6:10, 77:3</p> <p><b>several</b> 9:21, 11:23, 12:1, 12:22, 12:23, 13:7, 16:22, 17:23, 22:22, 27:4, 55:3, 60:20, 75:3, 75:16, 137:6, 139:10, 144:16, 151:16</p> <p><b>sewage</b> 117:17</p> <p><b>sewer</b> 22:18, 23:13, 23:20, 121:13, 122:13, 122:20, 122:22, 122:25</p> <p><b>sex</b> 46:21</p> <p><b>shade</b> 175:6, 190:1</p>	<p><b>shading</b> 175:13</p> <p><b>shahriar</b> 3:8</p> <p><b>shale</b> 13:15, 13:17, 97:23, 98:1, 129:2, 129:18, 133:12, 133:15, 133:19, 133:23</p> <p><b>shallow</b> 43:15, 125:9, 127:12</p> <p><b>shallower</b> 50:6</p> <p><b>shame</b> 40:9</p> <p><b>shape</b> 154:24</p> <p><b>shaped</b> 140:24, 141:16, 156:14</p> <p><b>share</b> 49:2, 91:6, 92:5, 114:5</p> <p><b>shared</b> 162:3</p> <p><b>sharing</b> 5:8</p> <p><b>shed</b> 60:6, 61:8, 62:24, 136:6, 136:21</p> <p><b>shedding</b> 136:18</p> <p><b>sheds</b> 136:7</p> <p><b>sheet</b> 175:18, 192:13</p> <p><b>sheila</b> 183:17</p> <p><b>shell</b> 100:19</p> <p><b>shelter</b> 190:1, 193:16</p> <p><b>short</b> 79:15, 115:21</p> <p><b>shortchanging</b> 202:4</p>	<p><b>shot</b> 7:3</p> <p><b>should</b> 4:13, 12:11, 19:25, 23:24, 32:4, 42:16, 48:5, 48:21, 49:1, 52:18, 56:11, 62:16, 70:21, 71:12, 92:25, 96:6, 96:14, 99:6, 111:11, 111:24, 121:21, 123:11, 132:11, 141:7, 148:22, 151:22, 156:22, 173:14, 179:1, 181:13, 182:14, 182:18, 186:14, 188:7, 188:16, 190:21, 199:23, 200:18, 202:8</p> <p><b>shouldn't</b> 173:18</p> <p><b>shovels</b> 43:22, 60:8</p> <p><b>show</b> 30:7, 84:24, 85:3, 170:1, 173:13, 174:12, 179:6, 186:11, 188:6, 192:7, 192:13</p> <p><b>showed</b> 90:14, 93:22, 170:25, 197:6</p> <p><b>showing</b> 81:10, 168:7, 168:8, 168:9, 170:14, 170:15, 172:22, 175:13, 191:21</p> <p><b>shown</b> 78:23, 162:2, 178:12, 180:7, 181:4</p> <p><b>shows</b> 85:12, 145:18,</p>	<p>170:2, 178:17, 185:20</p> <p><b>shroud</b> 79:6</p> <p><b>shrouded</b> 35:12</p> <p><b>shrouding</b> 44:9</p> <p><b>shrouds</b> 44:12</p> <p><b>shrubs</b> 175:7</p> <p><b>shut</b> 78:15, 179:12</p> <p><b>side</b> 58:7, 62:4, 62:5, 65:17, 65:18, 83:9, 87:1, 129:23, 147:12, 158:2, 180:11, 181:5, 195:2, 195:6, 196:6</p> <p><b>sides</b> 60:13, 60:24, 188:25, 189:2, 200:24</p> <p><b>sierra</b> 20:14</p> <p><b>sign</b> 125:9, 125:20, 158:5, 158:8, 177:9, 177:20, 178:12, 179:6, 179:24, 180:12, 180:20</p> <p><b>signage</b> 157:22</p> <p><b>signature-2wvkj</b> 203:10</p> <p><b>signature-dhmby</b> 204:11</p> <p><b>significant</b> 51:12, 78:21, 86:2, 92:21, 93:22, 95:3</p> <p><b>signs</b> 126:2, 126:5,</p>
---	---	--	---

<p>127:11, 179:20 <b>silver</b> 4:4, 29:6, 183:4 <b>similar</b> 46:7, 67:4, 162:2 <b>similarly</b> 68:8 <b>simple</b> 35:13, 44:11, 44:15, 79:5, 158:8, 158:22, 176:11 <b>simply</b> 8:4, 16:7, 49:18, 50:23, 53:10, 61:14, 61:16, 62:18, 123:14, 147:15, 151:12, 200:19 <b>since</b> 41:12, 72:4, 92:10, 105:11, 122:2, 123:17, 165:18, 172:3, 193:10 <b>single</b> 144:16, 145:8 <b>single-story</b> 158:21 <b>sink</b> 194:3 <b>sir</b> 6:9, 21:7, 21:13, 26:17, 121:7, 128:15, 164:5 <b>sit</b> 191:9 <b>site</b> 13:19, 21:24, 22:15, 42:5, 59:23, 59:24, 60:1, 60:5, 64:4, 65:24, 66:24, 67:5, 67:8, 80:15,</p>	<p>81:1, 81:12, 81:13, 81:22, 82:1, 82:3, 82:15, 83:23, 84:19, 84:25, 85:4, 85:10, 85:17, 86:5, 86:12, 87:9, 87:18, 95:19, 96:4, 96:8, 98:14, 125:7, 125:16, 127:17, 129:2, 129:12, 129:13, 129:19, 130:14, 132:18, 134:15, 135:3, 135:4, 142:16, 142:25, 143:4, 143:8, 144:7, 144:9, 144:13, 144:20, 157:8, 157:22, 165:21, 165:23, 166:2, 166:22, 171:9, 173:6, 174:13, 185:7, 185:10, 185:13, 185:18, 186:2, 186:11, 186:23, 187:19, 190:2, 193:5, 194:18 <b>sites</b> 17:23, 17:24, 20:14, 36:18, 50:3, 88:7, 95:5, 95:8, 95:9, 120:20, 127:4, 166:25, 167:1, 172:4, 172:23 <b>sits</b> 12:21, 193:6 <b>sitting</b> 191:11, 191:22 <b>situate</b> 51:12 <b>situation</b> 23:7, 76:16,</p>	<p>197:4 <b>six</b> 92:19, 133:22, 161:25 <b>size</b> 50:17, 50:19, 67:5, 130:23, 158:6, 166:5 <b>skin</b> 51:24 <b>skylight</b> 188:25 <b>slab</b> 80:6 <b>slide</b> 78:14, 82:4, 86:23, 87:5, 87:19 <b>slides</b> 77:14, 77:18 <b>slight</b> 130:25, 132:19 <b>slightly</b> 16:16, 180:6 <b>slope</b> 189:23 <b>sloped</b> 194:7 <b>slopes</b> 142:18, 142:19, 150:8, 150:16 <b>slow</b> 141:7, 146:7 <b>slowly</b> 36:4, 43:18, 187:12 <b>slurry</b> 13:15 <b>small</b> 12:25, 35:20, 37:2, 37:3, 62:6, 62:9, 64:3, 67:3, 80:3, 85:5, 87:12, 87:23, 98:24, 144:17, 147:8, 149:20, 166:1, 179:23,</p>	<p>180:10, 196:9, 201:10 <b>smaller</b> 142:1, 191:8, 191:9, 195:18, 195:20 <b>smallest</b> 201:6 <b>smart</b> 41:25, 178:25 <b>smell</b> 15:10 <b>smells</b> 43:15, 137:14 <b>smiley</b> 5:5 <b>smiling</b> 202:15 <b>snow</b> 89:14 <b>so-called</b> 19:22 <b>society</b> 195:16 <b>sodium</b> 136:1 <b>soft</b> 80:17, 90:7, 130:2 <b>software</b> 6:23 <b>softwoods</b> 87:9 <b>soil</b> 16:4, 43:16, 48:12, 48:16, 48:21, 50:8, 50:11, 50:16, 51:6, 54:3, 54:4, 54:7, 56:2, 79:10, 79:11, 79:15, 83:9, 83:14, 83:16, 83:17, 83:25, 84:6, 84:7, 91:12, 93:15, 94:6, 98:19, 99:5,</p>
---	---	---	--

101:7, 101:10, 102:1, 102:4, 102:11, 120:20, 123:14, 123:15, 123:20, 124:4, 124:23, 125:6, 125:18, 125:24, 126:2, 128:8, 128:22, 129:1, 129:3, 129:9, 129:11, 129:12, 129:14, 129:24, 129:25, 130:5, 130:6, 132:14, 133:20, 133:21 <b>soils</b> 83:6, 95:1, 127:24, 128:24, 143:18 <b>solar</b> 20:14, 20:15, 196:8 <b>solemnly</b> 10:14, 28:24, 38:3, 40:19, 73:13, 107:12, 118:24, 139:22, 163:20, 182:21 <b>solid</b> 47:4, 130:4 <b>solutions</b> 81:8 <b>some</b> 6:11, 7:10, 7:15, 13:17, 13:18, 13:20, 13:23, 15:6, 15:18, 15:22, 15:23, 17:1, 19:19, 20:3, 21:20, 25:9, 26:11, 27:5, 27:11, 28:15, 29:23, 30:6, 31:12, 32:2, 39:12, 41:13, 41:16, 44:23, 44:25, 45:2,	45:3, 47:3, 48:16, 51:23, 56:14, 57:6, 59:6, 68:3, 68:7, 68:9, 69:1, 69:6, 69:9, 69:13, 69:14, 77:14, 77:17, 81:16, 81:17, 86:12, 87:14, 88:1, 88:20, 89:12, 89:15, 90:5, 92:3, 93:2, 94:16, 100:17, 101:23, 102:3, 110:11, 113:7, 113:15, 113:24, 122:17, 134:10, 134:11, 134:13, 141:25, 143:15, 143:17, 145:21, 145:22, 154:11, 158:20, 162:17, 162:21, 162:24, 166:12, 166:15, 167:2, 167:3, 167:4, 168:3, 168:15, 168:18, 169:10, 173:14, 173:15, 177:15, 178:18, 192:7, 196:8, 197:11 <b>somebody</b> 8:5, 76:16, 110:11, 135:14, 142:2, 177:6, 177:7, 198:25 <b>somebody's</b> 132:13 <b>someday</b> 4:21, 135:14 <b>somehow</b> 52:7, 117:19 <b>someone</b> 15:24, 22:20, 28:6, 33:9, 123:24, 139:4,	178:14 <b>someone's</b> 130:19 <b>something</b> 18:7, 33:10, 37:9, 39:10, 46:22, 62:23, 63:17, 66:5, 66:6, 67:15, 80:19, 107:25, 108:20, 113:25, 118:1, 123:24, 126:10, 129:25, 130:1, 160:18, 165:20, 166:18, 176:17, 178:23, 181:19, 184:18, 186:25, 192:25, 200:17 <b>sometime</b> 111:12 <b>sometimes</b> 5:8, 44:20, 47:11, 79:24, 80:5, 80:6, 104:19, 105:19, 135:21, 172:19 <b>somewhat</b> 16:17, 27:17, 46:2, 57:10, 123:20, 143:16 <b>somewhere</b> 34:4, 176:3 <b>soon</b> 5:22, 86:2, 86:7, 88:5, 163:9 <b>sorry</b> 5:13, 6:19, 7:6, 18:18, 18:24, 19:4, 26:21, 28:5, 31:25, 32:1, 33:13, 34:15, 53:23, 64:1, 65:7, 70:8, 85:1, 106:3, 118:9, 119:10,	122:6, 128:16, 130:13, 135:6, 138:4, 146:1, 146:3, 149:8, 150:1, 157:22, 161:14, 175:4, 180:20, 190:22, 197:18 <b>sort</b> 6:17, 30:17, 33:18, 35:25, 59:4, 62:23, 78:23, 83:3, 86:15, 89:15, 106:4, 115:15, 122:23, 134:23, 135:21, 144:23, 152:23, 166:19, 171:24, 174:5, 181:5, 191:2, 192:8, 192:10, 193:15, 194:3, 194:9, 194:11, 194:24 <b>soucup</b> 22:6, 22:19, 23:13 <b>sound</b> 9:5 <b>sounded</b> 29:23 <b>sounds</b> 27:18, 71:10, 72:13, 119:17, 121:22, 152:7 <b>source</b> 16:6, 74:10, 92:21, 95:16, 115:6, 115:10, 138:20 <b>sources</b> 16:5, 51:9, 51:13, 53:4, 58:18, 92:8, 116:12, 116:22 <b>south</b> 89:7, 141:24, 144:12, 146:13,
---	---	---	--

175:10, 196:6 <b>southeast</b> 143:10 <b>southeastern</b> 142:23 <b>southern</b> 144:14, 166:2, 174:14 <b>southwest</b> 143:11, 170:24 <b>space</b> 59:10, 59:22, 59:25, 66:20, 146:17, 146:23, 152:18, 152:25, 192:8, 193:3, 195:9, 195:10 <b>spaces</b> 33:5, 82:9, 156:1, 156:3, 156:5, 156:10, 156:12, 172:5, 187:21, 188:2, 188:3, 188:4, 191:23, 191:24, 192:7, 193:3 <b>speak</b> 5:4, 5:9, 6:20, 21:5, 84:1, 84:11, 99:6, 108:6, 198:7 <b>speaker</b> 75:18, 188:16, 188:18, 188:22 <b>speaking</b> 61:19, 122:7, 122:21, 123:24, 135:16 <b>special</b> 22:23, 84:15, 84:17, 84:19, 169:5 <b>specialist</b> 119:22, 120:2, 120:9, 121:11, 121:17, 126:21, 127:11 <b>specialists</b> 120:14	<b>specialty</b> 33:19, 41:16, 121:16 <b>species</b> 80:18, 167:9, 167:16, 168:13, 168:15, 169:10, 170:9, 171:14, 171:16, 175:8 <b>specific</b> 17:16, 64:9, 165:8, 168:13, 171:22 <b>specifically</b> 75:10, 152:15, 173:1 <b>specimen</b> 166:6 <b>speed</b> 176:6 <b>speeding</b> 80:22 <b>spell</b> 16:10, 16:11, 22:7, 38:11, 107:5, 118:17 <b>spelled</b> 40:25, 183:2 <b>spelling</b> 6:12 <b>spent</b> 36:16, 49:7, 196:25 <b>spill</b> 66:16 <b>spiritual</b> 195:10 <b>split</b> 195:18 <b>spoken</b> 75:15, 75:17 <b>spot</b> 72:18 <b>spread</b> 52:11 <b>spring</b> 4:4, 29:6, 123:17, 183:4	<b>springs</b> 89:9 <b>sprinkler</b> 160:6 <b>square</b> 49:24, 83:24, 84:5, 180:4, 180:15 <b>squares</b> 172:23, 173:3, 181:5 <b>squiggly</b> 150:11 <b>stability</b> 83:17 <b>stabilized</b> 89:15 <b>stable</b> 91:2 <b>staff</b> 8:4, 18:16, 24:11, 25:20, 26:5, 63:11, 64:6, 64:7, 64:10, 64:11, 64:14, 64:16, 64:17, 64:18, 64:23, 67:16, 77:15, 106:9, 106:10, 109:17, 127:20, 141:15, 142:15, 144:4, 144:5, 149:15, 151:21, 155:25, 156:7, 160:21, 174:17, 177:22, 178:3, 198:18 <b>staff's</b> 25:13 <b>staffing</b> 64:3 <b>stages</b> 87:3, 87:21, 90:19 <b>stand</b> 142:14, 193:17, 194:4 <b>standalone</b> 77:6	<b>standard</b> 110:3, 176:20 <b>standards</b> 15:14, 122:11, 128:2, 160:16, 197:16 <b>standing</b> 35:18, 195:2, 195:5, 195:7 <b>standpoint</b> 35:16 <b>stands</b> 13:25 <b>start</b> 19:9, 27:20, 28:2, 29:12, 30:8, 30:18, 32:5, 42:6, 59:2, 106:12, 122:18, 141:2, 165:11, 165:13, 166:23, 185:10, 187:12, 187:17 <b>started</b> 12:25, 74:6, 187:18, 187:19 <b>starting</b> 63:19, 66:4, 140:21 <b>starts</b> 130:1, 134:6 <b>state</b> 5:19, 5:23, 11:3, 29:3, 31:16, 36:6, 38:9, 40:23, 69:22, 73:17, 75:11, 75:17, 86:16, 90:16, 107:5, 119:3, 131:14, 163:24, 165:18 <b>stated</b> 37:24, 65:2, 110:10 <b>statement</b> 10:10, 11:12, 36:20, 64:11,
--	--	---	--

<p>94:22, 103:4, 106:5, 109:6, 109:18, 109:22, 137:24, 161:6, 162:17, 196:21, 196:22 <b>statements</b> 3:13, 10:15, 28:25, 38:4, 40:20, 73:14, 107:13, 109:16, 118:25, 139:23, 163:21, 182:22 <b>states</b> 14:14, 17:16, 26:11, 43:7 <b>static</b> 103:19 <b>stating</b> 113:24 <b>stay</b> 136:8 <b>steelman</b> 89:23 <b>steep</b> 150:15 <b>step</b> 61:18, 177:5, 197:9 <b>stephen</b> 3:10, 140:3 <b>steps</b> 57:6, 59:7, 101:25 <b>steve</b> 153:14, 154:11, 177:10 <b>stewardship</b> 32:24, 43:12, 49:3 <b>stick</b> 72:22 <b>still</b> 6:19, 62:20, 114:14, 117:18, 124:22, 138:14, 147:3, 154:9, 172:20, 174:11,</p>	<p>181:18, 187:20, 189:17, 194:5 <b>stimulus</b> 31:11 <b>stipulating</b> 106:4 <b>stone</b> 35:18, 80:5, 89:21, 90:4, 90:5, 173:4, 173:8, 173:9, 189:20, 194:17 <b>stood</b> 187:1 <b>stool</b> 138:23 <b>stop</b> 99:14, 123:22, 187:8, 187:20 <b>stopped</b> 116:3 <b>storing</b> 60:7 <b>storm</b> 160:10, 160:11 <b>story</b> 163:1 <b>straight</b> 27:19 <b>straightforward</b> 200:7 <b>strange</b> 15:10 <b>strangely</b> 21:25 <b>strategic</b> 33:16 <b>strategies</b> 82:14 <b>stream</b> 81:12, 98:14, 132:17, 147:25, 150:7, 150:9, 150:11, 150:13, 150:14, 150:16, 150:17, 150:18, 150:20 <b>streams</b> 12:22, 13:12,</p>	<p>142:24, 147:25, 165:24 <b>streamsides</b> 150:10 <b>street</b> 2:5, 6:6, 37:2, 58:3 <b>streets</b> 108:6, 141:25 <b>stretch</b> 69:10 <b>stretching</b> 69:12 <b>strikes</b> 134:16 <b>strip</b> 155:1 <b>stroke</b> 53:16 <b>structural</b> 158:16 <b>structure</b> 62:24, 147:15 <b>structures</b> 36:8, 60:3, 83:6, 159:14, 160:7, 185:6, 194:13 <b>structuring</b> 84:20 <b>struggled</b> 19:5 <b>studied</b> 20:11 <b>studies</b> 70:12, 92:9, 93:10, 98:17, 117:13 <b>study</b> 14:17, 92:13, 93:16, 93:24, 94:1, 94:3, 94:5, 94:6, 94:21, 110:10, 125:7, 127:15 <b>studying</b> 117:13 <b>stuff</b> 13:11, 16:25,</p>	<p>25:25, 37:18, 37:23, 104:12, 105:20, 162:21 <b>style</b> 186:13, 193:11, 193:17, 194:5 <b>subdivided</b> 70:23 <b>subdivision</b> 71:2, 130:15, 144:12, 144:17, 160:13, 161:15, 197:10 <b>subject</b> 4:16, 28:1, 29:15, 40:3, 41:22, 52:20, 56:18, 67:4, 92:5, 107:2, 112:13, 118:9, 118:11, 122:12, 122:18, 122:19, 128:13, 130:11, 131:4, 132:22, 141:14, 145:6, 146:13, 150:3, 151:25, 152:9, 153:9, 168:21, 178:11, 194:15, 197:14 <b>subjects</b> 29:13 <b>submit</b> 61:24, 104:23 <b>submittals</b> 198:11 <b>submitted</b> 109:17, 126:19, 127:14 <b>submitting</b> 104:17, 200:23 <b>subscribe</b> 104:20 <b>subsequent</b> 86:23 <b>substance</b> 16:15 <b>substantial</b> 81:22</p>
--	--	---	--

<b>substrata</b> 97:23 <b>substrate</b> 13:14, 129:2, 133:12 <b>subterranean</b> 132:22, 134:2 <b>suburban</b> 146:12 <b>succeed</b> 166:16 <b>suffering</b> 26:12 <b>sufficient</b> 17:19, 157:17 <b>sufficiently</b> 20:12, 159:21 <b>suggest</b> 56:16, 115:24, 185:17 <b>suggestion</b> 30:13, 113:15 <b>suggests</b> 56:4, 189:24, 190:1 <b>suitability</b> 83:19 <b>suitable</b> 83:6 <b>suite</b> 140:6, 164:2 <b>summarizing</b> 139:13 <b>summary</b> 17:21, 92:16, 93:17, 94:22 <b>summer</b> 196:7 <b>sun</b> 192:17, 196:7, 196:8 <b>sunrise</b> 67:20 <b>sunset</b> 63:12, 67:20 <b>sunshine</b> 144:21 <b>superfund</b> 95:4, 95:5,	95:6, 95:8 <b>supplement</b> 100:9, 102:22 <b>supplied</b> 58:5 <b>supplies</b> 14:7, 16:24 <b>supply</b> 11:18, 11:20, 15:25, 26:10, 58:21, 94:2, 115:4, 115:12, 117:20 <b>support</b> 37:20, 191:23, 193:3 <b>supportive</b> 68:10, 68:17 <b>supports</b> 128:22 <b>suppose</b> 101:20 <b>supposed</b> 111:16 <b>sure</b> 10:4, 16:6, 17:6, 35:1, 36:16, 38:13, 40:16, 41:24, 54:20, 54:22, 63:6, 72:25, 74:21, 78:3, 78:13, 82:2, 83:1, 84:13, 92:7, 94:16, 102:20, 114:2, 117:14, 117:15, 117:21, 123:14, 123:20, 124:3, 136:23, 137:7, 138:18, 139:20, 141:3, 153:16, 155:24, 156:21, 159:11, 162:14, 173:13, 178:16, 185:11, 189:22, 199:4, 199:22, 199:25, 200:2,	200:21 <b>surface</b> 12:19, 71:16, 79:8, 79:12, 79:16, 83:11, 83:21, 89:16, 97:25, 130:6, 134:10, 134:14, 149:14, 161:7, 162:9, 162:15, 162:22 <b>surfaces</b> 12:11, 147:21, 148:4, 150:20, 151:2, 151:4, 151:25, 161:5 <b>surrounded</b> 98:8 <b>surrounding</b> 69:24, 70:3, 110:6, 144:6, 159:20, 159:22, 160:19, 191:22, 193:22, 194:15 <b>survey</b> 92:4, 166:3 <b>survive</b> 116:1 <b>susceptible</b> 56:5, 56:6 <b>suspect</b> 46:6, 46:18, 46:24 <b>sustainability</b> 81:4 <b>sustainable</b> 80:24 <b>swear</b> 19:1, 40:15, 73:4, 107:8 <b>swearing</b> 37:23 <b>sweat</b> 138:23 <b>swimming</b> 162:6 <b>sworn</b> 31:6, 96:23,	97:4, 118:17, 139:19, 182:10 <b>symbiotic</b> 12:6, 52:1 <b>symphony</b> 197:24 <b>synthetic</b> 15:19, 57:2, 98:18, 98:23, 117:18 <b>system</b> 32:16, 85:12, 86:10, 86:11, 89:10, 89:20, 90:4, 93:14, 109:19, 127:7, 132:13, 135:25, 136:13, 145:12, 145:13, 159:1, 159:7, 160:6, 161:23, 172:7 <b>systems</b> 14:3, 53:4, 82:10, 84:20, 99:12, 102:8, 102:13, 102:14, 103:8, 115:9, 115:10, 116:14, 116:17, 116:18, 116:25, 117:21, 120:3, 120:4, 120:16, 120:19, 120:22, 120:23, 121:5, 121:12, 121:17, 136:5, 136:11, 159:4, 160:9, 161:25
<b>T</b>			
<b>t-r-o-c-k</b>			
183:3			
<b>table</b>			
30:13, 36:10,			
39:25, 50:2,			
50:4, 50:6,			
50:10, 51:9,			
53:25, 70:8,			
83:15, 84:10,			

<p>91:15, 97:25, 98:10, 122:13, 122:16, 123:5, 123:17, 124:16, 125:20, 126:4, 126:7, 126:16, 127:5, 127:16, 128:11, 131:24, 133:14, 153:24, 157:20, 159:24, 160:2 <b>tables</b> 125:4, 191:22 <b>take</b> 4:6, 4:13, 6:21, 7:12, 7:24, 8:18, 9:23, 10:22, 14:18, 18:3, 19:6, 27:8, 49:20, 50:12, 51:2, 57:6, 57:15, 59:25, 61:14, 61:16, 61:18, 63:1, 66:21, 67:7, 67:13, 70:19, 71:19, 85:25, 87:11, 87:12, 87:20, 96:14, 96:15, 98:1, 101:3, 105:7, 105:9, 105:12, 111:8, 122:19, 136:7, 137:16, 137:18, 137:23, 139:1, 157:3, 165:10, 165:12, 166:18, 167:5, 177:5, 191:15, 198:5, 198:25 <b>taken</b> 49:7, 58:16, 160:12, 165:10, 203:3 <b>takes</b> 60:14, 80:3 <b>taking</b> 7:18, 18:5,</p>	<p>30:17, 38:19, 42:2, 55:13, 67:1, 75:12, 111:10 <b>talk</b> 25:8, 48:11, 63:2, 68:1, 88:22, 115:13, 128:19, 130:21, 147:20, 186:20, 186:21, 187:9, 189:14, 189:17, 198:11 <b>talked</b> 25:1, 25:3, 25:6, 25:10, 27:1, 41:22, 65:13, 192:23, 193:9, 194:14 <b>talking</b> 34:8, 41:21, 59:1, 78:7, 91:16, 107:4, 122:5, 141:2, 178:15, 184:10, 189:15, 196:12, 198:12, 201:3, 202:16 <b>talks</b> 195:15 <b>tall</b> 189:25, 191:6 <b>tampa</b> 95:23 <b>tanks</b> 117:16 <b>target</b> 48:1 <b>tarps</b> 60:8 <b>taste</b> 15:10 <b>team</b> 81:6, 88:13 <b>teams</b> 4:22, 4:23, 5:4, 7:2, 24:12 <b>teaspoon</b> 51:5</p>	<p><b>technical</b> 103:11, 105:6, 127:20, 132:11 <b>technically</b> 122:21 <b>techniques</b> 44:24 <b>technology</b> 33:15 <b>tell</b> 20:2, 69:2, 78:10, 80:15, 97:1, 99:6, 104:9, 111:1, 128:13, 165:14, 178:14, 185:4, 194:9 <b>telling</b> 82:5, 129:6 <b>tells</b> 78:11 <b>temperate</b> 89:14 <b>temporary</b> 62:2 <b>tenant</b> 174:23 <b>tend</b> 56:4 <b>tends</b> 132:15 <b>tents</b> 60:8 <b>term</b> 46:2, 46:4, 46:8, 46:9, 115:3, 126:4, 136:15 <b>terminology</b> 25:16 <b>terms</b> 27:18, 30:15, 31:8, 44:24, 46:9, 66:12, 67:24, 69:3, 79:20, 92:25, 125:14, 130:12, 135:23, 184:6</p>	<p><b>tesaday</b> 27:3 <b>test</b> 50:1, 50:3, 83:14, 83:23, 83:24, 84:10, 126:8, 127:5, 130:6, 131:2, 131:25, 164:9 <b>testay</b> 198:23 <b>tested</b> 94:25, 95:22, 135:11, 160:13 <b>testified</b> 24:10, 141:16, 147:5, 157:15, 158:18, 183:24 <b>testify</b> 4:18, 5:11, 5:15, 5:18, 7:9, 31:8, 39:24, 86:17, 140:10, 158:3 <b>testifying</b> 19:19, 27:7, 113:3, 158:16 <b>testimony</b> 3:3, 4:6, 4:16, 4:19, 7:11, 7:20, 7:22, 8:21, 9:3, 31:7, 40:2, 55:18, 56:14, 56:19, 70:4, 70:5, 72:20, 99:16, 100:10, 102:21, 103:5, 104:6, 110:9, 112:12, 113:18, 114:4, 123:2, 180:18, 182:6 <b>testing</b> 39:25, 110:4, 120:21, 126:9, 126:12, 126:14, 127:25, 159:24, 160:8</p>
---	---	---	---

Transcript of Hearing  
Conducted on July 30, 2021

112

<b>testings</b> 36:10 <b>tests</b> 49:25, 83:9, 83:14, 84:3, 122:14, 128:1, 129:13 <b>texas</b> 75:2 <b>text</b> 122:9 <b>texture</b> 129:24 <b>thank</b> 5:25, 7:1, 9:13, 11:2, 11:8, 18:1, 18:2, 18:4, 19:8, 20:17, 23:12, 27:9, 27:14, 28:23, 38:15, 38:18, 38:19, 38:25, 39:20, 40:11, 41:4, 46:1, 54:25, 56:22, 57:22, 58:22, 58:24, 59:7, 60:20, 60:23, 63:1, 65:12, 69:20, 72:15, 72:23, 73:5, 76:15, 78:18, 84:12, 96:5, 96:11, 99:9, 100:5, 100:11, 104:2, 105:1, 106:17, 106:18, 109:5, 112:9, 112:16, 112:17, 117:1, 118:12, 130:7, 133:10, 134:4, 135:5, 137:3, 138:8, 138:9, 139:15, 139:18, 143:6, 155:23, 159:10, 162:10, 163:3,	176:23, 177:2, 177:3, 178:16, 181:17, 181:23, 182:19, 183:6, 184:6, 184:7, 184:16, 185:1, 196:13, 196:15, 198:7, 198:8, 202:18, 202:19, 202:23, 202:24 <b>thanks</b> 48:20, 83:1, 83:2, 114:23, 139:12, 184:7 <b>themselves</b> 6:3, 35:17, 48:15, 125:19, 197:12 <b>therapeutic</b> 116:10, 117:25 <b>therapy</b> 116:3 <b>therefore</b> 173:18, 176:23 <b>thick</b> 129:14 <b>thicker</b> 16:16 <b>thin</b> 129:10 <b>thing</b> 5:3, 5:18, 6:23, 8:3, 9:20, 17:5, 26:9, 28:18, 37:8, 47:10, 53:9, 58:14, 76:22, 85:20, 99:11, 116:23, 135:15, 147:19, 158:11, 159:13, 161:4, 165:22, 191:19, 199:17 <b>things</b> 5:20, 12:17, 15:13, 22:16, 23:2, 23:9, 23:10, 23:21,	24:23, 35:14, 36:11, 36:13, 45:3, 67:11, 78:5, 82:6, 83:20, 93:15, 100:21, 162:7, 172:7, 176:6, 178:15, 189:3, 192:3, 195:16, 195:21 <b>thinking</b> 8:3, 37:17, 111:15, 171:10, 187:15 <b>third</b> 32:24, 34:7, 94:5 <b>thought</b> 9:11, 18:6, 21:25, 30:1, 36:24, 128:6, 169:6, 178:13, 193:14, 195:24, 197:13, 200:22, 202:6 <b>thread</b> 44:21 <b>threat</b> 123:12, 124:6, 124:19, 135:4, 135:24, 135:25 <b>three</b> 31:25, 32:12, 40:3, 59:19, 64:5, 64:17, 64:18, 66:7, 72:8, 98:17, 113:12, 139:8, 146:10, 147:4, 147:6, 147:11, 183:14 <b>threw</b> 30:13 <b>through</b> 10:8, 13:17, 21:2, 30:19, 36:7, 36:9, 39:16, 43:16,	50:13, 50:14, 51:7, 51:13, 52:6, 53:4, 59:2, 59:17, 60:10, 61:11, 63:4, 66:10, 70:6, 71:2, 77:2, 78:2, 90:18, 98:15, 105:24, 110:8, 133:13, 136:13, 138:16, 143:8, 152:4, 152:5, 165:2, 165:16, 175:24, 187:12, 188:22, 193:2 <b>throughout</b> 52:12, 82:1 <b>tied</b> 81:8 <b>tight</b> 93:6, 157:5 <b>time</b> 4:21, 6:12, 13:3, 18:5, 19:25, 20:9, 20:16, 26:19, 33:25, 36:3, 36:16, 38:19, 40:9, 50:22, 52:13, 53:2, 53:6, 54:6, 55:16, 62:15, 63:7, 64:14, 67:21, 69:9, 72:4, 74:15, 79:15, 85:19, 88:9, 105:1, 105:12, 106:20, 110:5, 115:21, 116:7, 123:18, 136:21, 143:20, 152:7, 164:23, 164:25, 165:1, 173:17, 177:15, 178:18, 179:12, 179:15, 187:2, 196:25, 197:1,
--	---	--	--

198:9, 200:9 <b>timeframe</b> 111:3 <b>timeframes</b> 138:15 <b>timer</b> 179:17 <b>times</b> 20:6, 34:14, 55:3, 67:15, 72:8, 75:16, 91:8, 130:22, 179:13 <b>tiny</b> 51:6 <b>tissues</b> 47:3 <b>title</b> 9:12, 94:3, 94:4, 120:25 <b>titled</b> 78:10 <b>today</b> 4:6, 5:11, 11:11, 11:23, 34:23, 35:25, 39:4, 39:6, 39:8, 41:22, 45:3, 52:14, 69:19, 70:5, 70:18, 70:23, 71:12, 95:20, 104:7, 122:18, 128:6, 141:16, 184:18, 184:23, 194:14, 197:6, 199:16 <b>together</b> 125:3, 170:2, 187:11 <b>told</b> 22:11, 76:18, 157:1, 198:23 <b>tom</b> 38:14 <b>tombstones</b> 35:6, 35:19 <b>took</b> 6:22, 156:7,	166:8, 178:22 <b>tool</b> 165:21 <b>top</b> 5:5, 53:14, 129:11, 134:8, 170:25, 188:18, 188:25, 190:24, 191:6, 191:11, 191:16, 192:2, 193:7, 194:19, 194:21, 194:23, 196:10 <b>topic</b> 70:16 <b>topics</b> 67:9 <b>topo</b> 82:23, 140:24 <b>topographic</b> 81:10, 142:17 <b>topographically</b> 85:17 <b>topography</b> 85:13, 142:4, 142:16 <b>total</b> 34:5, 34:8, 46:16, 46:19, 46:20, 46:25, 47:5, 77:12, 130:22, 130:25 <b>touchy</b> 146:7 <b>tour</b> 20:14 <b>towards</b> 59:24, 60:6, 76:24 <b>town</b> 89:23 <b>toxic</b> 35:15, 42:14, 45:15, 45:19, 47:24, 48:6, 48:7, 49:12, 52:8, 52:23 <b>toxicity</b> 115:4, 116:2	<b>traces</b> 98:24 <b>tracked</b> 138:25 <b>tract</b> 151:5, 151:8, 151:10, 151:23 <b>tracts</b> 51:25 <b>traditional</b> 34:13, 43:23, 48:1, 48:4, 55:11, 57:5, 79:6, 93:15, 100:18 <b>traffic</b> 63:17, 66:14, 66:15, 67:5, 68:9, 106:5, 108:15, 108:25, 109:6, 109:16, 109:18, 109:22, 110:10, 110:13, 110:20 <b>trail</b> 82:10, 84:18, 86:10, 86:11, 145:12, 172:6 <b>trails</b> 36:7, 39:15, 60:1, 61:10, 84:19, 187:17, 189:5, 189:7 <b>train</b> 202:6 <b>training</b> 41:12, 41:16 <b>transactions</b> 60:4 <b>transcribed</b> 1:25, 204:4 <b>transcriber</b> 204:1 <b>transcript</b> 138:17, 200:6, 202:9, 202:10, 204:3 <b>transition</b> 80:20, 80:22,	90:18, 150:19, 150:22, 150:23, 151:3, 151:12, 151:13 <b>transitional</b> 80:18 <b>transitioned</b> 172:16 <b>transitioning</b> 90:10 <b>transitions</b> 130:1 <b>translations</b> 17:2 <b>transmission</b> 12:17 <b>transmit</b> 200:17 <b>transportation</b> 107:22, 107:23, 108:15, 108:25, 109:12, 109:15, 109:19, 111:8 <b>trash</b> 12:19, 39:12 <b>traverse</b> 12:22, 86:11, 143:8 <b>traverses</b> 150:12 <b>traversing</b> 13:12 <b>treasure</b> 39:18 <b>treat</b> 47:22, 136:1, 137:12, 137:15, 195:15 <b>treated</b> 57:21, 79:17, 97:10, 133:23, 136:14 <b>treatment</b> 14:3, 47:25, 57:18, 103:9, 115:8, 116:2, 117:17, 130:18, 139:11
--	--	--	--

<b>treatments</b> 47:13 <b>tree</b> 87:14, 88:23, 89:2, 167:16, 170:14, 172:6, 174:5, 189:1 <b>trees</b> 33:10, 35:23, 36:1, 36:3, 39:11, 59:12, 59:19, 88:24, 166:3, 166:6, 166:12, 167:6, 167:20, 167:22, 167:24, 168:12, 169:8, 169:14, 169:22, 170:3, 170:9, 170:15, 171:13, 171:14, 172:24, 173:1, 173:15, 175:6, 175:7, 175:13, 187:4, 192:17, 192:25 <b>tremendous</b> 17:3, 44:17, 45:11, 54:8, 81:5 <b>trend</b> 76:24, 77:5 <b>triadelphia</b> 136:10, 147:24 <b>trial</b> 145:13 <b>tributaries</b> 143:7, 146:18, 148:16 <b>tributary</b> 143:8, 148:20 <b>tried</b> 191:5 <b>triggered</b> 69:1 <b>trip</b> 64:24, 111:9 <b>trips</b> 64:25, 109:23,	110:4, 110:14, 112:1 <b>trock</b> 3:12, 106:3, 182:9, 182:11, 182:14, 182:18, 182:24, 183:2, 183:8, 183:9, 183:12, 183:16, 183:22, 183:25, 184:2, 184:7, 184:20, 184:21, 185:2, 185:3, 185:10, 185:13, 185:20, 186:9, 186:11, 186:17, 186:23, 188:9, 188:21, 188:23, 190:5, 190:7, 190:10, 190:24, 193:13, 193:20, 193:25, 194:16, 196:9, 196:15, 201:24, 201:25, 202:1 <b>trock's</b> 195:25 <b>trouble</b> 113:1 <b>true</b> 48:21, 49:9, 55:20, 90:18, 99:11, 168:9, 168:10, 204:3 <b>trust</b> 178:6 <b>truth</b> 10:15, 10:16, 10:18, 10:19, 19:5, 19:6, 28:25, 29:1, 38:4, 38:5, 38:6, 40:20, 40:21, 73:14, 73:15, 107:13, 107:14, 118:25, 119:1, 139:24, 139:25, 163:21,	163:22, 182:22, 182:23, 199:14 <b>try</b> 4:23, 4:24, 47:9, 87:5, 105:8, 119:12, 148:25, 185:4, 185:6, 201:18 <b>trying</b> 45:24, 48:17, 52:6, 54:20, 59:4, 65:18, 67:24, 69:3, 78:15, 113:6, 118:2, 140:21, 141:12, 172:10, 176:6, 178:24 <b>tuesday</b> 200:4, 200:17, 201:14 <b>tulip</b> 35:25, 39:11, 80:18, 166:13, 166:14, 167:8 <b>turf</b> 79:16 <b>turn</b> 113:7, 117:9, 146:19 <b>turned</b> 113:25 <b>turning</b> 113:8 <b>turns</b> 115:19, 178:20 <b>tv</b> 21:23 <b>two</b> 16:19, 24:9, 24:19, 34:14, 46:9, 74:22, 74:25, 80:11, 85:10, 86:6, 86:7, 89:5, 116:21, 118:19, 139:8, 142:1, 142:24, 143:7, 154:23, 157:13,	158:12, 160:17, 163:8, 178:15, 179:8, 179:9, 179:24, 180:9, 180:10, 180:16, 180:20, 181:5, 183:13, 196:11 <b>two-thirds</b> 50:15, 50:19, 50:24 <b>type</b> 23:22, 29:21, 62:24, 132:14, 161:10, 166:16, 166:17, 166:21, 166:22 <b>types</b> 80:11, 101:18, 194:19 <b>typical</b> 42:17, 42:23, 46:19, 49:23, 68:22, 111:7, 127:6, 139:9, 162:7, 166:13, 167:9, 170:25 <b>typically</b> 43:22, 47:25, 48:3, 52:2, 63:12, 63:16, 93:1, 114:20, 115:25, 116:2, 116:4, 123:17, 126:3, 166:16, 169:19 <b>typography</b> 187:13 <hr/> <b>U</b> <hr/> <b>u</b> 156:19, 179:6, 179:21 <b>u-n-t-e-n</b> 118:21 <b>ubiquitous</b> 102:1, 102:11, 102:17 <b>ukrainian</b> 145:20
--	--	---	---

<p><b>ultimate</b> 90:22 <b>ultimately</b> 127:13 <b>unable</b> 26:10 <b>unaware</b> 55:2 <b>unclear</b> 20:20 <b>under</b> 4:16, 9:14, 10:14, 23:3, 28:24, 38:3, 40:19, 73:13, 101:15, 107:12, 114:14, 116:4, 118:24, 127:17, 138:14, 139:22, 148:13, 163:20, 182:21, 192:6, 196:9 <b>undergoing</b> 115:8, 130:17, 136:6 <b>underground</b> 129:18 <b>underneath</b> 134:12, 195:3 <b>understand</b> 10:5, 21:4, 30:5, 30:6, 30:20, 31:10, 35:2, 52:10, 81:6, 81:9, 83:15, 85:21, 98:5, 124:1, 153:15, 169:23, 171:11, 173:12, 176:9, 199:10 <b>understandable</b> 19:11, 91:7 <b>understanding</b> 17:22, 18:6, 18:8, 24:20, 81:1, 82:14, 83:10, 102:21 <b>understands</b> 59:7</p>	<p><b>understood</b> 83:1, 83:7, 115:20, 162:15 <b>underway</b> 56:24 <b>unfortunately</b> 105:23, 178:4 <b>unfriendly</b> 45:10 <b>unique</b> 81:1, 123:21, 135:2, 197:3 <b>united</b> 14:14, 26:11, 43:7 <b>units</b> 85:10 <b>universe</b> 169:8 <b>university</b> 75:21 <b>unknown</b> 188:16, 188:18, 188:22 <b>unless</b> 80:11, 110:11, 120:7 <b>unnamed</b> 143:7 <b>unnecessary</b> 123:1 <b>unquestioned</b> 115:16 <b>unregulated</b> 81:17, 82:7 <b>unsaturated</b> 128:25 <b>until</b> 32:15, 46:5, 105:9, 106:6, 137:13, 187:13, 187:18, 201:19 <b>unusual</b> 23:7, 140:21 <b>update</b> 5:21, 12:12 <b>uphill</b> 12:21</p>	<p><b>upper</b> 62:4, 86:5, 87:22, 153:24 <b>upright</b> 79:21 <b>urge</b> 17:25 <b>urinating</b> 139:5 <b>urine</b> 53:3, 138:23 <b>urns</b> 194:19, 195:1 <b>use</b> 15:12, 15:13, 17:9, 17:16, 17:17, 17:18, 17:20, 17:25, 21:12, 22:24, 23:2, 23:3, 29:25, 43:10, 45:5, 45:14, 57:25, 58:1, 58:5, 71:18, 84:20, 93:1, 102:16, 111:8, 122:10, 143:19, 144:14, 144:21, 145:12, 146:22, 152:18, 152:20, 155:12, 156:13, 157:15, 159:18, 160:18, 160:22, 170:10, 170:17, 171:13, 173:6, 192:20, 194:2, 198:1 <b>useful</b> 29:17, 29:20, 130:14 <b>uses</b> 17:11, 39:18, 45:17, 64:25, 79:4, 87:22, 100:19, 144:10, 144:20, 145:7, 145:8, 146:15, 152:5, 152:12,</p>	<p>152:23, 152:24, 157:14, 159:19, 171:7 <b>using</b> 35:14, 44:8, 78:4, 84:21, 97:17, 189:20, 193:10 <b>usually</b> 35:5 <b>utilitarian</b> 159:14</p> <hr/> <p style="text-align: center;"><b>V</b></p> <hr/> <p><b>vacation</b> 198:24 <b>valley</b> 146:18, 150:11, 150:13, 150:14, 150:17, 150:18, 150:20 <b>valuable</b> 33:23 <b>value</b> 77:9, 157:10 <b>valve</b> 93:5 <b>van</b> 120:6 <b>variance</b> 153:6, 153:7, 153:12, 155:8, 155:10, 155:11, 155:16, 155:20, 158:7 <b>variances</b> 160:17 <b>varies</b> 129:12 <b>various</b> 12:17, 22:15, 68:14, 144:10, 172:5 <b>varnishes</b> 35:14, 42:13, 45:14 <b>vast</b> 51:18, 53:12,</p>
--	---	---	--

132:19, 133:25 <b>vault</b> 78:22, 78:24, 93:5, 124:21 <b>vaultless</b> 94:17 <b>vaults</b> 42:12, 45:2, 45:6, 45:11, 93:1, 93:2, 93:3, 93:4 <b>vegetation</b> 59:19, 150:11, 194:20, 194:22 <b>vehicle</b> 105:24 <b>vehicles</b> 12:16, 148:2 <b>version</b> 80:13 <b>versus</b> 35:18, 78:20 <b>via</b> 5:4 <b>viable</b> 36:22, 36:25 <b>vicinity</b> 144:11 <b>victor</b> 118:20 <b>vies</b> 144:23 <b>view</b> 161:24, 175:12, 187:23 <b>views</b> 84:16 <b>village</b> 140:6, 164:2 <b>violation</b> 137:17 <b>viral</b> 130:9 <b>virginia</b> 88:25, 164:7 <b>virtual</b> 68:24 <b>virtually</b> 1:11	<b>viruses</b> 128:21, 129:5, 133:20 <b>visible</b> 175:20 <b>visit</b> 36:8, 63:14, 65:24 <b>visiting</b> 61:15, 63:11 <b>visitors</b> 61:16 <b>visual</b> 35:16, 80:10, 188:14 <b>vitality</b> 184:9 <b>voice</b> 122:7 <b>voir</b> 120:7, 165:3 <b>volume</b> 79:20 <b>volunteering</b> 167:23, 167:24 <b>von</b> 3:9, 106:1, 112:20, 112:25, 113:4, 113:6, 114:8, 118:14, 118:15, 118:18, 118:19, 119:2, 119:5, 119:8, 119:13, 119:14, 119:18, 119:19, 119:21, 120:2, 120:13, 120:20, 120:24, 121:1, 121:7, 122:1, 122:9, 122:21, 123:6, 124:2, 124:3, 124:10, 124:18, 125:5, 125:12, 125:16, 125:25, 126:11, 126:18, 126:24, 127:1, 127:3, 127:9, 128:3,	128:16, 128:18, 129:9, 129:19, 129:22, 130:8, 131:5, 131:21, 132:1, 132:5, 132:10, 132:24, 133:4, 133:6, 133:17, 134:15, 135:7, 135:14, 136:22, 136:25, 137:4, 138:7, 138:9 <hr/> <b>W</b> <hr/> <b>w3</b> 58:2 <b>wait</b> 5:10, 7:14, 7:23, 10:2, 27:6, 28:19, 28:21, 107:7, 138:17, 179:19, 186:15, 201:19 <b>waiting</b> 114:7, 142:10, 167:15, 172:8, 184:8 <b>waiver</b> 155:25, 156:12 <b>walk</b> 30:19, 59:2, 63:4, 67:17, 78:2, 88:5, 187:17, 191:18 <b>walked</b> 175:24 <b>walking</b> 86:11, 189:7 <b>wall</b> 90:4, 192:11 <b>walls</b> 194:6, 194:16, 194:17, 194:18, 194:24, 195:1, 195:4 <b>want</b> 5:13, 6:20, 8:3, 10:22,	10:25, 11:8, 11:22, 12:6, 17:6, 19:9, 29:11, 30:10, 36:25, 37:13, 46:1, 49:4, 53:7, 53:12, 53:20, 54:18, 56:9, 58:14, 61:12, 61:16, 72:21, 84:19, 88:15, 99:16, 99:23, 102:5, 104:21, 106:9, 111:1, 111:2, 112:13, 117:12, 136:25, 137:22, 138:17, 152:5, 153:20, 153:25, 162:14, 162:22, 165:9, 165:12, 169:25, 171:10, 172:13, 173:12, 175:16, 175:18, 179:12, 181:19, 181:25, 182:8, 182:11, 184:21, 190:19, 190:20, 194:2, 194:4, 194:5, 195:18, 196:21, 196:22, 201:22 <b>wanted</b> 9:12, 18:25, 26:25, 31:8, 37:7, 69:15, 69:16, 78:3, 82:25, 96:16, 99:17, 100:11, 102:22, 114:5, 120:7, 131:3, 137:3, 145:12, 168:25, 170:4, 170:22, 184:7, 184:24, 187:1, 192:6, 195:9, 197:2, 202:1 <b>wants</b> 112:5, 137:16,
---	--	--	--

<p>168:13 <b>wash</b> 13:13 <b>washes</b> 12:18 <b>washing</b> 12:4 <b>washington</b> 11:20, 24:3 <b>waste</b> 14:11, 95:10, 115:10, 116:17, 116:18, 116:25, 117:21, 152:20 <b>wastewater</b> 14:3, 103:9, 116:14 <b>watering</b> 50:24 <b>watershed</b> 11:10, 11:16, 12:1, 12:10, 12:20, 13:15, 13:18, 14:13, 14:19, 15:9, 15:15, 19:14, 19:20, 19:24, 20:8, 21:3, 22:1, 22:18, 24:12, 25:14, 26:10, 26:14, 36:13, 37:14, 70:9, 72:17, 97:20, 97:22, 98:4, 118:2, 132:4, 143:9, 147:22, 147:25, 148:4, 148:7, 152:22, 161:10, 161:12, 161:25, 197:15 <b>watts</b> 179:10 <b>way</b> 9:7, 21:22, 30:10, 42:14, 48:24, 57:19, 59:15, 65:10,</p>	<p>66:12, 72:18, 78:10, 85:14, 85:19, 100:20, 101:8, 101:23, 104:23, 105:23, 108:22, 116:24, 117:19, 132:7, 155:1, 165:25, 166:22, 177:20, 187:18, 187:25, 188:2, 195:25, 202:7 <b>ways</b> 81:24, 81:25, 197:11 <b>we'll</b> 64:6, 104:1, 106:11, 106:15, 113:11, 118:10, 148:8, 158:19, 190:6 <b>we're</b> 7:17, 31:3, 34:8, 51:20, 55:14, 66:8, 69:9, 72:20, 85:9, 85:22, 88:13, 100:6, 105:11, 106:22, 107:4, 113:1, 114:7, 118:3, 122:23, 128:7, 136:17, 137:7, 145:21, 147:3, 152:9, 155:10, 156:11, 163:8, 168:9, 168:14, 168:15, 170:12, 170:15, 178:11, 189:20 <b>we've</b> 14:16, 22:17, 64:15, 65:2, 68:2, 68:3, 68:4, 68:11, 68:13, 88:20, 91:9, 123:2, 130:11, 137:19,</p>	<p>154:18, 157:8, 157:17, 160:8, 175:11, 198:12 <b>weak</b> 80:22 <b>wear</b> 40:19 <b>weathered</b> 129:1, 129:3, 129:9 <b>website</b> 4:12, 202:10 <b>wedge</b> 146:11, 146:14, 146:16, 152:17, 152:25 <b>wednesday</b> 200:4, 202:17 <b>week</b> 66:5, 66:7, 131:17 <b>weekday</b> 65:1 <b>weekends</b> 66:10 <b>weeks</b> 19:6, 139:10, 166:8 <b>weighs</b> 46:25 <b>weight</b> 20:25 <b>welcome</b> 163:4, 185:2, 201:23 <b>welfare</b> 17:13 <b>well-buffered</b> 145:7 <b>well-read</b> 20:23 <b>wells</b> 15:7, 49:14, 58:4, 58:10, 58:16, 58:20, 92:19, 120:2, 120:15, 120:18, 121:5, 121:11,</p>	<p>131:16 <b>went</b> 22:13, 152:4, 171:4 <b>weren't</b> 19:19, 36:24, 37:8 <b>west</b> 59:3, 60:6, 134:20, 142:19, 149:18 <b>western</b> 141:20, 143:15 <b>westminster</b> 89:7, 119:6 <b>wet</b> 95:25 <b>wetland</b> 89:24, 95:24, 98:7, 166:1 <b>wetlands</b> 150:8, 150:10, 150:16, 165:25 <b>whatever</b> 110:4, 137:12, 189:8 <b>whereas</b> 30:13 <b>whereby</b> 127:15 <b>whether</b> 12:6, 37:24, 45:18, 47:17, 47:21, 55:21, 93:1, 98:21, 115:13, 132:12, 145:12 <b>white</b> 83:9, 84:6, 84:14 <b>whoever</b> 123:24 <b>whole</b> 10:16, 10:18, 10:19, 19:5, 19:6, 22:14, 22:22, 29:1, 30:19, 38:5,</p>
---	---	--	---

<p>40:21, 73:14, 107:13, 119:1, 131:14, 135:1, 139:24, 151:9, 162:25, 163:21, 182:22, 185:12, 192:11, 195:7 <b>wide</b> 162:4 <b>widely</b> 44:16, 57:8 <b>wider</b> 141:17 <b>width</b> 153:7, 153:10 <b>wightman</b> 140:6, 164:2 <b>wildflower</b> 80:2 <b>wildflowers</b> 79:23 <b>willing</b> 24:1 <b>willow</b> 44:19 <b>wind</b> 61:11, 115:12, 130:5 <b>windows</b> 62:25, 191:24, 194:10, 194:11, 196:10 <b>winter</b> 196:8 <b>wise</b> 111:3 <b>wisely</b> 11:25 <b>wish</b> 4:13, 5:3, 10:18, 66:23, 67:7 <b>wished</b> 177:19 <b>wishes</b> 5:11, 44:11 <b>within</b> 4:7, 4:9, 7:17,</p>	<p>22:22, 31:20, 37:14, 42:25, 46:20, 65:1, 77:10, 79:15, 84:17, 86:6, 89:19, 95:19, 100:19, 109:23, 110:21, 144:11, 146:10, 146:14, 146:16, 148:4, 148:6, 148:14, 148:18, 150:4, 150:7, 150:17, 150:20, 150:22, 151:3, 152:16, 156:5, 176:16, 177:19, 190:20, 200:5 <b>without</b> 70:13, 79:12, 110:8, 132:10, 155:13, 155:20, 157:25, 160:24, 178:6 <b>witness</b> 9:1, 28:14, 29:9, 29:10, 59:8, 75:10, 75:13, 105:6, 106:2, 106:25, 112:19, 118:10, 138:5, 139:16, 139:17, 163:7, 182:8, 183:24 <b>witnesses</b> 3:3, 6:10, 7:9, 7:15, 7:20, 9:1, 9:21, 10:5, 18:22, 27:12, 27:24, 28:1, 28:10, 40:3, 105:12, 105:24, 105:25, 164:9, 197:23 <b>witnessing</b> 192:16 <b>wonder</b> 98:20, 111:14</p>	<p><b>wondered</b> 9:23, 20:24 <b>wonderful</b> 72:13, 82:10, 137:19, 166:21, 179:7, 193:7 <b>wondering</b> 29:17 <b>wood</b> 35:11, 62:24, 79:7, 80:6, 189:21, 192:25 <b>wooded</b> 35:20, 36:7, 39:15, 80:16, 85:1, 85:5, 135:3 <b>wooden</b> 62:24, 79:6 <b>woodland</b> 80:20, 80:23, 87:3, 89:8, 90:10, 90:20 <b>woodlands</b> 80:20, 84:24, 85:3, 89:20 <b>woods</b> 37:10, 80:18, 175:25 <b>word</b> 42:20, 102:16, 103:14, 116:17, 184:13, 192:24, 193:7, 198:10 <b>words</b> 35:14, 118:19, 155:19, 197:21 <b>work</b> 13:4, 22:13, 24:17, 36:9, 41:18, 42:5, 47:12, 93:19, 102:15, 119:25, 120:12, 127:16, 131:18, 140:4, 166:7, 178:25, 187:25, 198:25, 200:18</p>	<p><b>worked</b> 24:11, 24:15, 89:18, 91:24, 95:16, 95:24, 96:3, 119:22 <b>workers</b> 45:20 <b>working</b> 5:21, 13:21, 36:5, 65:14, 74:20, 74:21, 74:22, 74:25, 75:3, 81:7, 120:22, 123:7, 124:14, 178:19, 186:3, 202:3 <b>works</b> 29:25, 109:21, 135:20, 193:18, 199:13 <b>workshops</b> 67:9 <b>world</b> 70:17, 92:5, 93:17, 94:1, 94:4 <b>worried</b> 97:24, 154:2 <b>worry</b> 78:1 <b>worship</b> 134:19 <b>worth</b> 33:25, 87:19 <b>wouldn't</b> 7:22, 47:8, 168:1, 191:10 <b>wrap</b> 69:21, 195:25 <b>wrapping</b> 44:5, 163:9 <b>wright</b> 193:14 <b>write</b> 202:11 <b>writing</b> 165:18 <b>written</b> 11:22, 23:1,</p>
--	---	---	---

64:15 <b>wrong</b> 17:22, 40:7, 40:10, 56:13 <b>wssc</b> 58:2, 58:6, 135:18, 135:20, 136:15, 137:9	<b>year</b> 63:7, 75:19, 85:23, 86:7, 108:20, 150:7 <b>years</b> 12:1, 15:15, 19:14, 19:15, 22:22, 25:2, 39:3, 57:12, 60:18, 60:20, 74:8, 75:21, 75:24, 87:22, 91:18, 98:9, 99:7, 119:22, 124:11, 155:3, 166:18, 183:12, 194:1, 202:2 <b>yellow</b> 85:5 <b>yields</b> 151:16 <b>york</b> 89:5, 89:10 <b>young</b> 21:24, 55:1, 72:12, 185:1 <b>younger</b> 20:1, 20:4, 143:16 <b>yourself</b> 28:20, 40:14, 118:16, 123:25, 124:8, 163:12, 182:10, 202:5	152:23, 153:7, 155:13, 159:17, 174:21 <b>zones</b> 81:21, 82:8 <b>zoning</b> 1:1, 17:6, 17:8, 131:23, 155:5, 155:11, 158:6, 158:21, 164:16, 197:17 <b>zoom</b> 147:2, 151:6, 157:4, 186:17	<b>1,500</b> 34:18 <b>10</b> 3:4, 4:9, 12:11, 12:24, 13:8, 37:7, 42:24, 43:2, 49:21, 49:24, 50:5, 50:12, 51:21, 75:21, 77:2, 98:8, 138:17, 150:23, 151:2, 151:9, 151:13, 151:24, 161:7, 162:8, 162:16, 162:18, 200:5, 200:9, 204:14 <b>100</b> 80:16, 85:4, 87:21, 147:1, 150:7, 166:13, 189:15 <b>107</b> 3:8 <b>114</b> 3:6 <b>118</b> 3:9 <b>12</b> 106:21, 125:8, 129:14, 166:23 <b>12.8</b> 151:17 <b>120</b> 74:16, 91:25, 140:6, 154:20, 164:2 <b>122.4</b> 147:7 <b>13</b> 179:10 <b>138</b> 3:6 <b>14</b> 194:1 <b>140</b> 3:10
<b>Y</b>		<b>\$</b>	
<b>yaa</b> 149:12 <b>yard</b> 146:25 <b>yeah</b> 8:8, 9:19, 26:16, 26:18, 27:8, 30:23, 32:6, 32:8, 38:22, 39:8, 48:20, 55:7, 63:8, 65:7, 73:8, 91:17, 107:9, 108:21, 113:4, 113:6, 114:23, 119:15, 126:25, 141:12, 149:23, 150:12, 151:6, 154:1, 154:10, 154:15, 155:7, 169:4, 170:21, 172:9, 172:12, 174:6, 175:23, 176:2, 176:8, 176:10, 179:21, 180:6, 180:9, 181:3, 181:8, 181:10, 182:14, 185:12, 186:8, 187:21, 188:2, 188:7, 190:6, 190:9, 190:10, 190:15, 191:16, 193:13, 193:25, 195:3, 200:2, 200:10, 200:11, 200:21, 201:20, 202:3	<b>z</b> 148:21, 149:9 <b>zebra</b> 38:14, 149:9 <b>zinc</b> 100:21 <b>zip</b> 119:6 <b>zone</b> 4:5, 15:11, 57:23, 81:19, 152:10, 152:16,	<b>\$10,500</b> 32:21 <b>.</b> <b>.04</b> 50:14, 50:15 <b>.1</b> 17:9, 157:11 <b>.2</b> 122:3, 156:4 <b>.4</b> 122:3 <b>.5</b> 122:3, 156:4 <b>0</b> <b>00</b> 110:19, 111:13, 111:22 <b>05</b> 202:25 <b>06</b> 1:6, 4:3, 106:23 <b>1</b> 106:15, 106:21, 113:13 <b>1,000</b> 34:18 <b>1,320</b> 148:14, 148:18	

Transcript of Hearing  
Conducted on July 30, 2021

120

<p><b>15</b> 142:19 <b>150</b> 87:21 <b>15116</b> 41:1 <b>160</b> 191:21 <b>163</b> 3:11 <b>166</b> 4:3 <b>16621</b> 4:3 <b>1707</b> 119:5 <b>18</b> 129:20 <b>183</b> 3:12 <b>197</b> 3:14 <b>198</b> 3:15 <b>1980</b> 74:6, 92:9, 95:3, 95:6, 164:20, 164:21 <b>1985</b> 164:12 <b>1989</b> 164:22, 165:18 <b>1992</b> 92:13, 93:16, 94:1, 94:10 <b>1993</b> 147:22 <b>1997</b> 146:9</p> <hr/> <p style="text-align: center;"><b>2</b></p> <hr/> <p><b>2,000</b> 144:7 <b>2,760</b> 141:23 <b>2,940</b> 141:24 <b>2.41</b> 151:14</p>	<p><b>20</b> 13:16, 16:15, 37:7, 50:1, 162:4, 188:24 <b>200</b> 2:5, 6:6, 7:5, 29:6, 85:23, 95:19, 191:7, 191:21 <b>2000</b> 148:8, 159:25 <b>2001</b> 159:25 <b>2011</b> 164:13 <b>2020</b> 75:19, 103:5, 104:11, 125:5, 159:25 <b>2021</b> 1:14, 126:15, 159:25, 204:14 <b>204</b> 1:24 <b>205</b> 183:3 <b>205.8</b> 153:10 <b>20850</b> 6:7 <b>20853</b> 41:2 <b>20859</b> 2:6 <b>20866</b> 11:6 <b>20905</b> 4:4 <b>21</b> 1:6, 4:3, 106:23, 157:23, 158:13, 188:19 <b>21044</b> 107:20 <b>21157</b> 119:7 <b>214</b> 153:11</p>	<p><b>22</b> 106:21, 176:12 <b>24</b> 50:14, 62:10, 62:11, 166:5 <b>24.12</b> 151:13 <b>240</b> 50:11, 50:13 <b>2450</b> 73:21 <b>25</b> 106:15, 129:20, 142:18, 150:8, 191:5 <b>26</b> 62:10, 106:21 <b>2727</b> 11:7</p> <hr/> <p style="text-align: center;"><b>3</b></p> <hr/> <p><b>3</b> 42:25, 63:18 <b>3-1</b> 79:8, 134:7 <b>30</b> 1:14, 1:15, 4:7, 9:23, 13:16, 16:15, 19:15, 49:20, 63:12, 63:18, 110:17, 111:21, 202:11 <b>300</b> 153:9 <b>301</b> 2:7, 123:24 <b>31</b> 3:5 <b>35</b> 47:1, 74:7, 113:13 <b>37</b> 113:13 <b>38</b> 119:22, 141:3, 142:5, 142:13, 146:1, 148:21,</p>	<p>149:9, 153:16, 153:19, 153:20, 153:21, 154:17, 156:19, 170:18, 171:24, 172:8, 172:11, 179:6, 179:21, 185:16, 202:2 <b>389911</b> 1:23 <b>39</b> 144:2 <b>3rd</b> 200:13, 202:7</p> <hr/> <p style="text-align: center;"><b>4</b></p> <hr/> <p><b>4</b> 42:24, 43:1, 49:24, 110:19, 111:22, 202:25 <b>4.039</b> 151:9 <b>40</b> 3:6, 13:6, 34:5, 49:20, 49:24, 99:7 <b>40.4</b> 141:14, 151:9 <b>400</b> 88:5, 142:25 <b>412</b> 143:5 <b>42</b> 145:3, 186:7, 186:10 <b>45</b> 105:8 <b>46</b> 186:5 <b>4617</b> 11:6 <b>47</b> 77:16 <b>48</b> 183:12, 202:1</p> <hr/> <p style="text-align: center;"><b>5</b></p> <hr/> <p><b>5-1</b> 79:7</p>
--	---	---	---

Transcript of Hearing  
Conducted on July 30, 2021

121

<p><b>5.1</b> 150:3 <b>50</b> 13:6, 46:23, 64:25, 91:18, 109:22, 110:4, 143:19, 154:22 <b>500</b> 88:5, 166:3 <b>501</b> 11:10, 31:15, 43:5 <b>5212</b> 2:7 <b>5220</b> 164:12 <b>548</b> 142:22 <b>59.3</b> 122:3 <b>59.6</b> 156:4, 176:17 <b>5th</b> 104:11</p> <hr/> <p style="text-align: center;"><b>6</b></p> <hr/> <p><b>6</b> 110:17, 111:21 <b>6,000</b> 34:8 <b>60</b> 7:5 <b>600</b> 34:13, 34:17, 43:3, 43:9 <b>615</b> 164:11 <b>642</b> 123:24 <b>6449</b> 107:19 <b>660</b> 148:16 <b>6693</b> 153:7 <b>6th</b> 200:13</p> <hr/> <p style="text-align: center;"><b>7</b></p> <hr/> <p><b>7</b> 42:25, 110:19,</p>	<p>111:22 <b>7.3</b> 17:9 <b>70</b> 19:14, 46:20, 46:25 <b>73</b> 3:7 <b>75</b> 39:3 <b>762</b> 2:7</p> <hr/> <p style="text-align: center;"><b>8</b></p> <hr/> <p><b>8</b> 63:12, 111:13 <b>8,000</b> 34:8 <b>800,000</b> 11:18 <b>86</b> 153:13</p> <hr/> <p style="text-align: center;"><b>9</b></p> <hr/> <p><b>9</b> 1:15, 63:18, 110:17, 111:13, 111:21 <b>9.8</b> 151:11 <b>90</b> 14:4, 74:6, 77:1, 92:9, 123:7 <b>900</b> 60:14 <b>92.3</b> 147:7 <b>9220</b> 140:5, 164:2 <b>94.2</b> 153:12 <b>97</b> 146:15 <b>98</b> 103:7 <b>98.5</b> 147:7</p>	<p><b>9th</b> 201:19, 202:8, 202:11</p>	
---	---	---	--