	Page 1
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2	STATE OF CONNECTICUT
3	CONNECTICUT SITING COUNCIL
4	
5	Docket No. 541
6	The Towers, LLC, Application for a Certificate of
7	Environmental Compatibility and Public Need for the
8	Construction, Maintenance, and Operation of a
9	Telecommunications Facility and Associated Equipment
10	Located at 132 Bass Road in Windham, Connecticut.
11	
12	Zoom Remote Council Meeting (Teleconference),
13	Evidentiary Session, on Thursday, November 6, 2025,
14	beginning at 2 p.m.
15	
16	Held Before:
17	JOHN MORISSETTE, THE VICE CHAIR
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	Page 2
1	Appearances:
2	Councilmembers:
3	JOHN MORISSETTE (Vice Chair)
4	
5	BRIAN GOLEMBIEWSKI,
6	DEEP Designee
7	
8	QUAT NGUYEN
9	PURA Designee
10	
11	CHANCE CARTER
12	KHRISTINE HALL
13	BILL SYME
14	DR. SCOTT WILLIAMS
15	DANIEL P. LYNCH, JR.
16	
17	Council Staff:
18	ROBERT MERCIER,
19	Siting Analyst
20	
21	MELANIE BACHMAN, ESQ.,
22	Executive Director and Staff Attorney
23	
24	LISA FONTAINE
25	Administrative Support

		Page 3
1	Appearances:(cont'd)	
2	For The Towers, LLC (APP):	
3	ROBINSON & COLE, LLP	
4	1 State Street	
5	Hartford, Connecticut 06103	
6	By: JONATHAN H. SCHAEFER,	ESQ.
7	JSchaefer@rc.com	
8	860.275.8349	
9	And: EMILY C. DEANS, ESQ.	
10	EDeans@rc.com	
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1 (Begin: 2:00 p.m.)

THE VICE CHAIR: Good afternoon, ladies and gentlemen.

This public hearing is called to order this

Thursday, November 6, 2025, at 2 p.m.

My name is John Morissette, Vice Chair of the Connecticut Siting Council. Other members of the Council are Brian Golembiewski, designee for Commissioner Katie Dykes of the Department of Energy and Environmental Protection; Quat Nguyen, designee for Chairman-elect Thomas Wiehl of the Public Utilities Regulatory Authority; Chance Carter; Khristine Hall; Bill Syme; Dr. Scott Williams; and Daniel P. Lynch, Jr.

Members of the staff are Executive Director Melanie Bachman, Siting Analyst Robert Mercier, and Administrative Support Lisa Fontaine.

If you haven't done so already, I ask that everyone please mute their computer audio and/or telephones now. Thank you.

This hearing is held pursuant to the provisions of Title 16 of the Connecticut General Statutes and of the Uniform Administrative Procedure Act upon an application from The Towers, LLC, for a certificate of environmental

compatibility and public need for the construction, maintenance, and operation of a telecommunications facility and associated equipment located at 132 Bass Road in Windham, Connecticut. This application was received by the Council on June 23, 2025.

This Council's legal notice of the date and time of this public hearing was published in The Chronicle on July 30, 2025. Upon this Council's request, the Applicant erected a sign in the vicinity of the proposed site so as to inform the public of the name of the Applicant, the type of facility, the public hearing date and contact information for the Council, including the website and phone number.

As a reminder to all, off-the-record communication with a member of the Council or a member of the Council's staff upon the merits of this application is prohibited by law.

The parties and interveners to the proceeding are as follows. The Applicant, The Towers, LLC, represented by Jonathan Schaefer, Esquire, and Emily C. Deans, Esquire, of Robinson & Cole, LLP.

We will proceed in accordance with the prepared agenda, a copy of which is available on

the Council's website along with a record of this matter, the public hearing notice, instructions for public access to this public hearing and the Council's citizens guide to the Siting Council's procedures.

Interested persons may join any session of this public hearing to listen, but no public comments will be received during the 2 p.m. evidentiary session. At the end of the evidentiary session, we will recess until 6:30 p.m. for the public comment session. Please be advised that any person may be removed from the evidentiary session or the public comment session at the discretion of the Council.

The 6:30 p.m. public comment session is reserved for members of the public who have signed up to make brief statements into the record. I wish to note that the Applicants, parties, and interveners, including their representatives, witnesses, and members are not allowed to participate in the public comment session.

I also wish to note for those who are listening and for the benefit of your friends and neighbors who are unable to join us for the public comment session that you or they may send written

statements to the Council within 30 days of the date hereof, either by mail or by e-mail, and such written statements will be given the same weight as if spoken during the public comment session.

A verbatim transcript of this public hearing will be posted on the Council's website and deposited with the Windham Town Clerk's office for the convenience of the public.

We will take a 10- to 15-minute break at a convenient juncture around 3:30 p.m.

I believe we have a motion. Attorney Bachman, do we have a motion?

ATTORNEY BACHMAN: Good afternoon, Vice Chair Morissette.

We do have a motion. It's The Tower, LLC's motion for protective order for the lease agreement financial term dated July 21, 2025.

THE VICE CHAIR: Thank you, Attorney Bachman.

With that, is there a motion?

MS. HALL: I'll make a motion to grant the protective order as requested in this matter.

MR. LYNCH: Second.

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THE VICE CHAIR: Thank you, Ms. Hall. And thank you, Mr. Lynch.

We have a motion by Ms. Hall to approve the

- 1 protective order, and we have a second by
- 2 Mr. Lynch. We will now move to discussion.
- 3 Mr. Golembiewski, any discussion?
- 4 MR. GOLEMBIEWSKI: I have no discussion. Thank you.
- 5 THE VICE CHAIR: Thank you. Mr. Nguyen?
- 6 MR. NGUYEN: Good afternoon. No discussion.
- 7 THE VICE CHAIR: Good afternoon.
- 8 Mr. Carter, good afternoon.
- 9 MR. CARTER: Good afternoon. I have no discussion.
- 10 Thank you.
- 11 THE VICE CHAIR: Thank you. Ms. Hall, good afternoon.
- 12 MS. HALL: Good afternoon. No discussion. Thank you.
- 13 THE VICE CHAIR: Thank you.
- 14 Mr. Syme, Good afternoon. Any discussion?
- 15 MR. SYME: Good afternoon. I have no discussion.
- 16 THE VICE CHAIR: Thank you.
- 17 Dr. Williams, good afternoon. Any
- 18 discussion?
- 19 DR. WILLIAMS: Good afternoon.
- No discussion. Thank you.
- 21 THE VICE CHAIR: Thank you. And Mr. Lynch, good
- 22 afternoon. Any discussion?
- 23 MR. LYNCH: I have no discussion.
- 24 THE VICE CHAIR: Thank you. And I have no discussion.
- We'll now move to the vote.

- 1 Mr. Golembiewski, how do you vote?
- 2 MR. GOLEMBIEWSKI: I vote to approve. Thank you.
- 3 THE VICE CHAIR: Thank you. Mr. Nguyen?
- 4 MR. NGUYEN: Vote to approve.
- 5 THE VICE CHAIR: Thank you. Mr. Carter?
- 6 MR. CARTER: Vote to approve. Thank you.
- 7 THE VICE CHAIR: Thank you. Ms. Hall?
- 8 MS. HALL: Vote to approve. Thank you.
- 9 THE VICE CHAIR: Thank you. Mr. Syme?
- 10 MR. SYME: Vote approval.
- 11 THE VICE CHAIR: Thank you. Dr. Williams?
- 12 DR. WILLIAMS: Vote to approve.
- 13 THE VICE CHAIR: Thank you. Mr. Lynch?
- 14 MR. LYNCH: Vote approval.
- 15 THE VICE CHAIR: Thank you. And I also vote approval.
- 16 We have a unanimous decision. The motion for
- protective order is approved. We'll now move on
- 18 to administrative notices taken by the Council.
- I call your attention to those items shown on
- the hearing program marked as Roman Numeral 1C,
- 21 items 1 through 90. Does the Applicant have an
- 22 objection to the items that the Council has
- 23 administratively noticed?
- 24 Attorney Schaefer, good afternoon.
- 25 ATTORNEY SCHAEFER: Yes. Good afternoon, Vice Chair

1 Morissette. No objection.

THE VICE CHAIR: Thank you.

The items are hereby admitted. Accordingly, the Council hereby administratively notices these existing documents. We'll now move on with the appearance by the Applicant.

Will the Applicant present its witness panel for purposes of taking the oath? Attorney Bachman will administer the oath.

Attorney Schaefer?

ATTORNEY SCHAEFER: Thank you. Good afternoon again.

Attorney John Schaefer of Robinson & Cole, here
with my colleague Emily Deans on behalf of the
Applicant, the Towers, LLC.

Today we have a witness panel of six representatives of the Applicant. To my far left is Elizabeth Glidden, real estate regulatory specialist with Verizon Wireless. Immediately to my left is Mark Brauer, radiofrequency engineer with Verizon Wireless.

Immediately to my right is Brian Paul, project engineer with Vertical Bridge, REIT, LLC.

To his right is Matthew Gustafson, registered soil scientist and forester with All-Points Technology Corporation. To his right is Rick Landino, Senior

	Page 11
1	Design Analyst at All-Points Technology
2	Corporation. And last, but not least, to his
3	right is Joseph Johnston, PE, Vice President,
4	Engineering, of Airosmith Development,
5	Incorporated.
6	I would offer these Witnesses at this time to
7	be sworn in.
8	THE VICE CHAIR: Thank you, Attorney Schaefer.
9	Attorney Bachman, please proceed in swearing
10	in the Witnesses. Thank you.
11	ATTORNEY BACHMAN: Thank you, Vice Chair Morissette.
12	Could the Witnesses please raise your right
13	hand?
L <b>4</b>	ELIZABETH GLIDDEN,
15	MARK BRAUER,
16	BRIAN PAUL,
17	MATT GUSTAFSON,
18	RICK LANDINO,
19	JOSEPH JOHNSTON,
20	called as witnesses, being duly sworn by
21	THE EXECUTIVE DIRECTOR, were examined and
22	testified under oath as follows:
23	
24	ATTORNEY BACHMAN: Thank you.
25	THE VICE CHAIR: Thank you, Attorney Bachman.

Attorney Schaefer, please begin by verifying all the exhibits by the appropriate sworn witnesses.

in the hearing program. Those exhibits are listed in the hearing program under Roman numeral two, under the appearance of Applicants, subsection B, and they include the application for a certificate of environmental compatibility and public need, filed by The Towers, LLC, dated June 23, 2025, along with bulk filing exhibits, including the technical report, the Town of Windham zoning regulations, the Town of Windham inland wetlands and watercourses regulations, and the Town of Windham plan of conservation and development.

Also included as exhibits are the Applicant's affidavit; a publication filed with the Council on July 17, 2025; the Applicant's signposting affidavit filed with the Council on October 28, 2025; and lastly, Applicant's response to the Council's interrogatories filed with the Council on October 21st.

I offer these for identification purposes at this time, subject to verification by the Witnesses. And if it pleases the Council, we will

verify these, these exhibits as a panel by the
Witnesses for administrative effectiveness.

THE VICE CHAIR: Very good. Please do. Thank you.

ATTORNEY SCHAEFER: Thank you.

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So, let me ask the panel, did you prepare or assist in the preparation of the exhibits listed in the hearing program under Roman numeral 2, subsection B, items 1 through 4?

Mrs. Glidden?

- 10 THE WITNESS (Glidden): I did.
- 11 ATTORNEY SCHAEFER: Mr. Brauer?
- 12 THE WITNESS (Brauer): Yes, I did.
- 13 ATTORNEY SCHAEFER: Mr. Paul?
- 14 THE WITNESS (Paul): Yes.
- 15 ATTORNEY SCHAEFER: Mr. Gustafson?
- 16 THE WITNESS (Gustafson): Yes.
- 17 ATTORNEY SCHAEFER: Mr. Landino?
- 18 THE WITNESS (Landino): Yes.
- 19 ATTORNEY SCHAEFER: And Mr. Johnston?
- 20 THE WITNESS (Johnston): Yes.
- 21 ATTORNEY SCHAEFER: Thank you.
- Do you have any amendments or modifications
- 23 to offer to any of those exhibits at this time?
- Mrs. Glidden?
- 25 | THE WITNESS (Glidden): No

Page 14

ATTORNEY SCHAEFER: Mr. Brauer?

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THE WITNESS (Brauer): I have one correction to the interrogatory responses, question 45, referencing application attachment RF table. The value in dark green is not legible, please resubmit. And it was -- the response was answered with an FAA marking and lighting response that should have said 5.1 percent.

And the -- what we've done is we've changed the table a little bit. So, future filings, when it's scanned it should be more legible. We basically changed the -- the black to white. And the -- made it a larger font. So, it should be more legible in the future.

- 15 ATTORNEY SCHAEFER: Anything else?
- 16 | THE WITNESS (Brauer): Nothing else.
- 17 ATTORNEY SCHAEFER: Thank you very much.
- 18 Mr. Paul?
- 19 THE WITNESS (Paul): No changes.
- 20 ATTORNEY SCHAEFER: Mr. Gustafson?
- 21 THE WITNESS (Gustafson): No.
- 22 ATTORNEY SCHAEFER: Mr. Landino?
- 23 THE WITNESS (Landino): No.
- 24 ATTORNEY SCHAEFER: And Mr. Johnston?
- 25 THE WITNESS (Johnston): No.

Page 15 1 ATTORNEY SCHAEFER: Thank you. With those modifications, is the information 2 contained in these exhibits true and accurate to 3 4 the best of your knowledge? Mrs. Glidden? 5 6 THE WITNESS (Glidden): 7 ATTORNEY SCHAEFER: Mr. Brauer? THE WITNESS (Brauer): 8 ATTORNEY SCHAEFER: Mr. Paul? 9 10 THE WITNESS (Paul): Yes. 11 ATTORNEY SCHAEFER: Mr. Gustafson? 12 THE WITNESS (Gustafson): 13 ATTORNEY SCHAEFER: Mr. Landino? 14 THE WITNESS (Landino): Yes. 15 ATTORNEY SCHAEFER: And Mr. Johnston? 16 THE WITNESS (Johnston): Yes. 17 ATTORNEY SCHAEFER: And do you adopt the information 18 contained in those exhibits as your testimony in 19 this proceeding? 20 Mrs. Glidden? 21 THE WITNESS (Glidden): I do. 22 ATTORNEY SCHAEFER: Mr. Brauer? 23 THE WITNESS (Brauer): Yes. 24 ATTORNEY SCHAEFER: Mr. Paul?

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THE WITNESS (Paul):

- 1 ATTORNEY SCHAEFER: Mr. Gustafson?
- 2 THE WITNESS (Gustafson): Yes.
- 3 ATTORNEY SCHAEFER: Mr. Landino?
- 4 THE WITNESS (Landino): Yes.
- 5 ATTORNEY SCHAEFER: And Mr. Johnston?
- 6 THE WITNESS (Johnston): Yes.
- 7 ATTORNEY SCHAEFER: Vice Chair Morissette, I offer them 8 as full exhibits, and we offer the Witnesses for
- 9 cross-examination.

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- 10 THE VICE CHAIR: Thank you, Attorney Schaefer. The
  11 exhibits are hereby admitted.
- We will now begin with cross-examination of
  the Applicant by the Council, starting with
  Mr. Mercier, followed by Mr. Golembiewski.
  - Mr. Mercier, good afternoon.
- 16 MR. MERCIER: Afternoon. Thank you.

I'm going to begin by reviewing the responses to the Council's interrogatories which were submitted on October 21st. I'm going to simply go through a couple of interrogatories to clarify a couple of responses, and I'm going to begin with interrogatory number five, the response to number five.

- Sorry. There's some background noise.
- For number five the response states, the

proposed site was not within the initial half-mile-radius search area. And it was expanded to a three-quarter-mile radius because no sites were actually available in that half-mile search area.

Since the proposed site is slightly outside the half mile, what coverage deficiencies or issues result of being not in the prime location that you were hoping for?

THE WITNESS (Brauer): Mark Brauer. I may be able to answer that question.

Typically, when we issue a search ring we will look for, especially with -- with a coverage site, we will look for the highest point in the area to try and cover as much as possible. When we move the search ring, sometimes we will have to make adjustments to the tower height or the type of antennas that we use, or the orientation of the antennas.

So, not -- not being in the prime spot does have an effect on the -- the proposed site, but as long as we can get a viable candidate it doesn't have much of an effect overall.

MR. MERCIER: Okay. So, for this particular site, was the tower height raised given maybe a shorter

elevation ground-wise, or was there a modification to antennas?

THE WITNESS (Brauer): I believe there was a slight increase in centerline as well as an orientation change to the antennas to -- to try to cover the same area.

MR. MERCIER: Okay. Thank you.

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I'm going to move on to response 30, which had to do with performance indicators of surrounding sites.

There are several sites here listed, and two of them, the Scotland site and the Chaplin South site have data speeds in megabits per second. what's the relevance of this information? What do these data speeds indicate for the coverage area? THE WITNESS (Brauer): So, once -- when a site has slow data speeds, it affects the performance of the site and the customers, the customers using the The -- the one megabit and the three service. megabit per second, once -- once we drop below about five megabits per second, customers can -customers will see the impact on that. start to notice lag in opening web pages. may start to notice text taking a little bit longer than -- or having to resend.

1	And in the case of the Scotland sector being
2	below one megabit per second, that really has an
3	impact on the users. Your GPS apps can freeze and
4	have to reconnect. Text may not go through at all
5	at that point, because once once we get below
6	one, the data speeds are just not there anymore to
7	handle all of the all of what the users want.
8	MR. MERCIER: Are the data speeds that are presented
9	here, is that speed for the entire sector coming
10	from the tower? Or is it just in this particular
11	area where you're trying to build the tower?
12	You know, I understand, you know, that these
13	towers are several miles distant. So, where are
L <b>4</b>	the data speeds measured?
15	THE WITNESS (Brauer): Well that, they are measured
16	at the at the site level and then then the
17	individual sector level. So, it's it's not
18	necessarily an area, per se. It's the the
19	whole sector on that site.

MR. MERCIER: Okay. Thank you.

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So, the proposed tower obviously will increase data speeds in the proposed coverage area. Correct?

THE WITNESS (Brauer): Yeah. So, in this, this particular case, the -- because we -- it's a much

more rural area, what's happening is users are getting into poor -- areas of poor service and they're sitting there and they're hanging on the site, and there they're just -- they're loading up the sector because they can't get on, get what they want, and then get off to free up the resources for the next user.

So, with -- with this particular site, if we fill in the coverage area, we end up alleviating the coverage need as well as the capacity need.

MR. MERCIER: Okay. I guess I was taken off my question. So, once this particular tower, if it's constructed, will increase data speeds in the immediate area, but it would also increase data speeds on the other two sectors that are listed here in the response. Is that correct?

MR. MERCIER: Thank you.

THE WITNESS (Brauer): Correct.

I think the next question actually pertains to response 54, and this was a question about application attachment 13. It was an environmental resources map.

And essentially the question was, where did you get the core forest label, as you called it on attachment 13, and you provided a response. For

the attachment 13 legend, you know, based on the response you provided, should -- the beige color in the legend, should that actually be marked as forest land habitat instead of core forest?

THE WITNESS (Gustafson): Matthew Gustafson.

Yes, it could be labeled, as -- as you noted, the forest land habitat impact map. However this, this layer generally demarcates areas that are considered core forest using the UConn CLEAR forest fragmentation data analysis.

So, while you -- your question is -- is accurate. It could be relabeled, as -- as you noted, as the forest land habitat impact map. It is still currently representing areas demarcated under that data layer as, you know, core forest.

MR. MERCIER: Okay. I'm looking at the beige areas and there's buildings, and then there's lawn areas and there's roads. Those areas are not core forest.

Is that correct?

THE WITNESS (Gustafson): That is correct. My
understanding of the data layer is that, you know,
it's created using remote sensing techniques. So,
it has not been ground truthed in some areas, to
your point, in the vicinity of this, this location
using that same methodology of areas within 300

feet of development intrusions, which on this site would include the -- the residential development and associated areas.

In fact, the -- the areas for the compound and access would be within that 300-foot kind of edge forest perforation, and therefore would not be in areas that would be considered true core forest.

So, to put it simply and to maybe get at what the question is, the data layer is probably overestimating the areas of -- of core forest.

And in the case of this site, the majority of the site is not within core forest. And none of the proposed facility, it would be within areas of core forest. It would be in areas of -- considered edge forest.

MR. MERCIER: Okay. Thank you.

Move on to responses, interrogatory responses 55 to 61. These were a series of questions regarding the two vernal pools on the host parcel. They're also kind of -- the two vernal pools are shown on that environmental resources attachment 13, application attachment 13.

Based on the responses collectively in the depiction of the two vernal pools on application

attachment 13, just looking at it in some of the data you have, would you basically say the vernal -- is it correct to say vernal pool one might have more environmental attributes than vernal pool two?

THE WITNESS (Gustafson): Matthew Gustafson again.

In my professional opinion, both pools are currently -- do not currently represent significant ability to support obligate breeding. Both pools are anthropogenic in origin. Both during our surveys did not contain significant levels of breeding.

Vernal pool one only was observed having six spotted salamander egg masses versus vernal pool two, which only had five wood frog egg masses. Both of those quantities are fairly low and obviously being a single species, not all that diverse.

So, in my professional opinion, I believe both are -- and reflected in the tier rating, both being tier-two conservation status vernal pools.

Neither represents kind of significant opportunity for obligate vernal pool breeding habitat.

MR. MERCIER: Okay. Thank you.

And given that response, I noted the proposed

tower access drive extends northwards beyond vernal pool two, according to attachment 13 and referencing that map, you know, to the compound area. And I understand you found spotted salamander in one pool and wood frog in the other.

Would the gravel road that's proposed, would that be -- serve as any impediment to wood frog or spotted salamander dispersal?

THE WITNESS (Gustafson): Again, Matthew Gustafson.

No, in my professional opinion, the road, the proposed road, as you've identified it as it traverses both east and north of vernal pool two being a facility that's un -- you know, unmanned and with low vehicular traffic would not represent a significant migratory impediment for -- for species utilizing vernal pool two.

In addition, any potential short-term impacts created during construction, it will be properly mitigated as part of our proposed resource protection plan, which includes several elements, a couple being contractor training as well as a restrictive barrier during construction and monitoring by an environmental monitor.

MR. MERCIER: Thank you.

I think you just used the term "migratory

corridor," and that was also used in the response to number 56. Now, when you mentioned the term "migratory corridor," is that consistent with the definition of directional corridor that's used in the 2015 US Army Corps of Engineers best management practices for vernal pools?

THE WITNESS (Gustafson): Yes, yes. Those terms --

THE WITNESS (Gustafson): Yes, yes. Those terms -Matthew Gustafson, again.

Yes, those terms are used synonymously.

MR. MERCIER: Thank you.

I was going to flip down to attachment two of the interrogatories, and that had a couple pictures of the vernal pools. So, I just had a question on one of the pictures. Let me find that. I think it was photo number three. I was interested in attachment one.

THE WITNESS (Gustafson): Yes, yeah.

MR. MERCIER: I apologize. Attachment two, photo number three. It says, photo three, view of vernal pool one taken on October 11th of '24.

Is the pool generally located between the snagged tree to the left and the dead tree in the center --

THE WITNESS (Gustafson): Matthew Gustafson --

25 MR. MERCIER: -- (unintelligible.)

THE WITNESS (Gustafson): -- again.

The vernal pool in this picture generally constitutes the entire center of the image. If you're looking at it, there's taller or, you know, moderately sized shrubs to your, kind of, view left and view right, and there's more emergent vegetation at the bottom and middle of the photo.

The area of that emergent vegetation, as it, you know, kind of shifts from the bottom towards the -- the middle of the photo, that generally constitutes the -- the extents of the vernal pool. And in this photo, the reference to, you know, one to two feet of inundation is -- is generally it being in, you know, the middle of October in what amounted to a more drier fall back in 2024 prior to the onset of some significant rains.

That inundation was -- was a little bit lower at that time, which is why you're not seeing it present at the -- in the photo, in the emergent vegetation poking through.

MR. MERCIER: Okay. Thank you.

I have a couple questions on the visibility analysis, and that was included in application attachment number nine.

I'm going to look at the aerial photo of the

overall visibility map. I think that's page 9 on the Council's website of, you know, PDF page 9.

Oh, I just lost it. But anyway, looking at the map, there's an abutting property which appears to be a residence to the northeast. I believe that's at 572 Kemp Road, northeast of the tower site. And it doesn't show any seasonal or year-round visibility up to the northeast there.

I'm just trying to get a sense of what's actually blocking the view of the tower from this particular residential area.

THE WITNESS (Landino): This is Rick Landino,
All-Points Tech.

You're talking 575 Kemp Road. Correct?
South of the -- south of the tower?

MR. MERCIER: No, it's to the northeast. If you look at the aerial photograph, it shows overall visibility within two miles.

THE WITNESS (Landino): Yeah.

MR. MERCIER: If you go to the northeast of the site,
you'll see a cleared area and a residence right
next to it.

I may have the address wrong, however.

THE WITNESS (Landino): Oh, I think I see what you're saying. Yeah, directly --

- MR. MERCIER: The residence has a driveway that extends along the property line.
- 3 THE WITNESS (Landino): I see.
- 4 MR. MERCIER: For reference.

- THE WITNESS (Landino): So, yeah. So, northeast of the site. I -- I believe it's a combination of rising topography east of the site and vegetation that's obstructing that, your line of sights there.
- MR. MERCIER: Yes, I have the map back up. Yeah, it's right beyond the town line that's marked in yellow with a dash to the, kind of, right of that a little bit. Although, this image is not well -- it's not clear.

Okay. So, if the house is located at a taller elevation, according to the topo map on the previous page it might be 30, 40 feet high, why wouldn't the property have, like, a direct view down onto the tower? Would it be up at eye level?

Instead of, you know, looking up in the sky, it would be just at eye level?

THE WITNESS (Landino): Yeah, it's -- it is. It's heavily wooded. It is heavily wooded, and to me it looks like it rises and -- and it kind of -- it kind of plateaus for a while before you reach that property a little bit. So, I think it's a

combination of those things, the -- the rise in elevation and the -- and the vegetation, the trees.

MR. MERCIER: Okay. Again, when you do the visibility mapping, that's based on what type of resource?

The lidar resource?

MR. MERCIER:

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THE WITNESS (Landino): The way --

three-dimensional model with it.

Would it be, like, the density of trees? THE WITNESS (Landino): The way our GIS team puts those together, it's based on lidar data. So, you have -- and your 3D topography. So, your lidar data captures, you know, tops of trees and the elevations, and it kind of creates a

So, you're kind of getting -- all the yellow is line of sight to the tower from anywhere that it's not obstructed by trees or topography, the combination.

MR. MERCIER: Okay. And staying with the topo map I just mentioned that was the overall visibility, and now looking at the tower one more time down to the southeast, you know, it shows there's the property line there that's dashed right next to the tower on the right.

There there's three residences along Bass

Road, which I believe becomes Kemp Road right when it crosses the town line. And those aren't marked with any visibility either, although the one to the left of it is. Do you have any sense of why, why seasonal visibility would not extend over to those three residences to the southeast?

THE WITNESS (Landino): I -- I am seeing some seasonal visibility southeast of the site right along Kemp Road, some potential for seasonal visibility that we called out. It's probably similar to view twelve, if I had to guess, but twelve is closer to than -- closer to our site than the area I think you're talking about, but there is a little bit of seasonal visibility over there.

I think the reason why there's probably so little is because of the density of the trees and, again, the topography. There is a rising hill just to the east of the site, and then as you move farther east-northeast along Kemp Road there, that hill blocks your line of sight to the tower.

MR. MERCIER: Okay. Thank you.

THE WITNESS (Landino): Sure.

MR. MERCIER: I just have one other question. It just has to do with the access drive. You know it's a shared driveway up to the residence, and then

1 you're extending the driveway up to the tower.

For the access road, who is responsible for maintenance and snow removal?

THE WITNESS (Paul): This is Brian Paul with Vertical Bridge.

The road as it exists today will stay in place. The current property owner will maintain the property as he always has, or as they always have. Where the road takes on its new characteristics beyond the residence to the tower will be maintained by Vertical Bridge.

MR. MERCIER: Thank you.

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I have no other questions. Thank you.

THE VICE CHAIR: Thank you, Mr. Mercier.

We'll now continue with cross-examination of the Applicant by Mr. Golembiewski, followed by Mr. Nguyen.

Mr. Golembiewski, good afternoon.

MR. GOLEMBIEWSKI: Good afternoon, Vice Chair.

I have a few questions. My first question is based on the coverage maps, specifically the 700 megahertz coverage maps. I heard the response to Mr. Mercier in regards to kind of how this tower functions. One is coverage, which is pretty clear that it fills a gap, but I'm having a hard time

wrapping around how it interacts with the other towers around it, because I don't see a lot of overlap in any of the green and blue.

So, could you maybe explain to me how this offsets? I guess you were talking about, you know, not necessarily coverage, but, you know, sort of users that are backlogged on some of these other -- or in a logjam on some of these other towers, when I don't really see a whole lot of interaction, at least based on these, the 85 and 95 levels in building and in vehicle?

THE WITNESS (Brauer): Yes. Mark Brauer, Verizon
Wireless.

So, when you have an area that's outside of our coverage threshold, that that doesn't necessarily mean that you can't access the system at all. It means the service is going to be unreliable. So, even though you're in an open area, you are going to be -- you can be on some of those surrounding sites.

When we bring in the new site to fill in that area, you now have a strong dedicated server for that area. And now those users can now stop repeating requests or very slow requests to the surrounding sites. They now have a good server

that they can get on and to have a very fast service and -- and very reliable service.

So, that's basically what happens is when you have users sitting there in poor RF conditions, you can have those just -- they're just sitting there, and there they're taking up resources for a very long period of time which impacts capacity, data speeds. And also, you're in an area where it is unreliable. You have increased dropped calls.

MR. GOLEMBIEWSKI: Okay. I guess, you know, a lot of times I don't really worry about the coverage maps, but in this case -- so, your tower doesn't really fill in any gaps on Route 203. It doesn't really fill in any gaps on 14. It doesn't really fill in any gaps on 97.

It seems like if I was looking at attacking this, this is -- right? Like, no man's land in the middle. It seems like you've set yourself up to need, like, four more towers if you want to cover the main roads that people travel in that area.

What is your response to that?

THE WITNESS (Brauer): Well, when we -- before we're looking at areas to provide service, this particular area, although it's not along a state

road, there still are -- there still are users that come in here and they also come up into the -- the state forest. I believe it's Beaver Brook State Park that's to the northwest of this area.

So, even though it's not on a state route, we -- we still do have users in this area that -- that need improved service.

MR. GOLEMBIEWSKI: I'm not saying that there's a lack of coverage there, but it just seems like you could have attacked roads that probably thousands of people travel a day in lieu of -- I don't know. I mean, I don't know how many houses are even in your gap.

I'm not sure if there's dozens, but it just seems like it's like -- I don't know. Just, I don't know. It just seems like it doesn't -- priority-wise, it sort of just covers a big gap, but it's not any -- it's not very strategic to me.

But -- okay. Well, I'll move on from that.

I guess I'll go now to the vernal pool issue. Let
me go to this, to the map here.

So, I know Mr. Mercier was talking about the directional buffer, I guess if you want to call it that. And as I look -- so, vernal pool one you

said had spotted salamander. And vernal pool two had wood frogs.

If you were going to, you know, not just do, you know, a radius around it, would the directional buffers go to the north? And the -- so, I guess we'll take it by vernal pool one first.

To me, it looks like the directional would go to the north and northwest. Is that accurate?

THE WITNESS (Gustafson): Matthew Gustafson.

So, in the context of these pools, as they likely serve a larger metapopulation, using best professional judgment and looking at the aerials, there are larger core forested wetlands to the west that, based on aerial signatures, look like they likely support or have the potential to support more complex and higher valued productivity vernal pool habitat.

It's likely these pools, being anthropogenic in origin, are seeing breeding because of dispersal from that larger metapopulation to the west. So, while your -- your -- what your statement is of -- of kind of directional potential pathways to the north and west are possible, because that's where there's certainly

suitable bordering upland habitat, it's -- in my personal opinion it's more likely that what we're seeing is dispersal from that western metapopulation east towards these pools.

These pools are being intercepted during that migration, and during that period are just being used as kind of sink habitats for -- for breeding.

MR. GOLEMBIEWSKI: Okay.

- THE WITNESS (Gustafson): But again, there's certainly potential that there is some pathways to the north and -- and east into those upland habitats, but again, my -- my best judgment of how these pools likely fit because of the kind of low productivity and low species diversity that we're seeing in these pools is that there they're likely kind of pools on the very far outlying stretches of -- of a larger metapopulation to the west.
- MR. GOLEMBIEWSKI: Okay. And when you say sink, you don't know specifically that they're a sink.

  You're just basically, based on what you see, you would think that the success rate is fairly low in these pools?

THE WITNESS (Gustafson): Again, Matthew Gustafson.

That's -- that's correct, based on what we're seeing in the hydrology of these two pools being

potentially, subjectively, year-round flooding, them being anthropogenic in -- in origin, their proximity to the residents and some of the -- the infrastructure associated, and the likely high predation in these pools, because of that. We're seeing quite a few green frogs and other predatory species.

It is likely that these areas, you know, do not support or fully support breeding in these at, you know, a significant capacity.

MR. GOLEMBIEWSKI: Okay. So, you -- as I look at sort of the layout, the compound is actually within that 100 -- let's see. Is that the hundred-foot? The hundred-foot envelope, it looks like it could be sort of flexed to the north to be outside of that.

And I guess you did not suggest that because you don't believe it would make much difference?

THE WITNESS (Gustafson): Matthew Gustafson.

I think it's a fair characterization, yes.

MR. GOLEMBIEWSKI: Okay.

THE WITNESS (Gustafson): Where, you know, we're approximately 95 feet away. Shifting it five feet to get outside the hundred-foot boundary, while that would result in it technically being

compliant with the BDP guidelines, in my personal opinion, that doesn't -- that would not result in a significant effect on -- on this pool.

That 5 feet or, in this case, you know, the -- what we're talking about is the 58 square feet of impact resulting from the compound is not going to result in a significant benefit to that, to that pool.

MR. GOLEMBIEWSKI: Okay. I know I've asked this probably previously, but do you believe the compound limits itself is an obstruction to wood frogs -- and in this, I guess, this case wood frogs, but we'll throw in spotted salamanders.

Do you think they can make it across one of those without desiccating, you know, desiccating or without getting, you know, some type of lost or injured?

THE WITNESS (Gustafson): Yeah, Matthew Gustafson again.

I think it's far more likely that they would avoid it, and it being a 50 by 50, being able to circumvent even with the access road kind of closing out one side. The access road only being twelve feet wide, the access road itself doesn't result in, you know, an impediment to that

migration. They're certainly not going to desiccate walking over those 12 feet.

So, my guess is that any -- any amphibians migrating towards the compound, towards vernal pool two from the north or east would just circumvent the compound. And that, you know, it being 50 by 50, that doesn't represent a significant alteration to their -- their migratory pathways that would result in any sort of significant effect on -- on their health or ability to get into vernal pool two.

MR. GOLEMBIEWSKI: Okay. Would it be unreasonable to ask for one year or two years of monitoring after to make sure that wood frogs are getting to vernal pool two?

THE WITNESS (Gustafson): So, that's -- Matthew Gustafson again.

In my personal opinion, I don't think it would be unreasonable. We are proposing a protection, a resource protection plan that includes monitoring during construction and up until construction is completed to ensure that the pool is not impacted.

In this particular scenario, because of the low numbers that we're seeing in egg masses and

the higher -- highly variable nature of potential hydrology to these pools because they're anthropogenic in origin, you know, pools that are constructed like this very well one year could see a foot of water, and the next year if it's a little bit drier, it could be -- it could be dry. Similarly, when you're talking about low numbers like five and six egg masses, that can be from just a couple females.

So, where I'm going with this is that you may, you know, if we kind of take this to the next step and we did do a monitoring in year two, or one or two after construction, you may not see any breeding in these pools and it may not have anything to do with the construction of the compound. It may just be that these pools are highly variable in nature, and -- and therefore that that data would be inconclusive whether we had it or not.

But that, I guess the direct answer to the question is I don't believe it would be unreasonable. It just -- it may not be all that informative.

MR. GOLEMBIEWSKI: Okay. But it would make us -- we would then at least have some idea on whether this

development had some impact on migration, whether it's a handful of frogs or not, but I see what you're saying.

There's so many variables. It may not -- if it was a larger pool and a large, you know, larger, yeah, reproductive reproduction there, you might have some statistical -- something you could look at statistically. Okay.

THE WITNESS (Gustafson): Yeah. And certainly, you know -- and Matt Gustafson again.

You know, if we saw breeding, you know, in year one or year two, you know, to your point, that would support there's no "if" and no effect. But if we didn't see breeding, it, you know, it essentially would be, you know, it would not tell us that there -- that there wasn't effect, you know, there there was a negative effect, so.

MR. GOLEMBIEWSKI: Yeah, I guess I'm just a little, you know, like, for site, you know, we're looking at an environmental compatibility. So, I just kind of feel like I know it's manmade, but I just, you know, this might be the first time I've seen, you know, an access road and a compound proposed within the hundred-foot envelope of a vernal pool.

So, I'm just trying to wrap my head around it

and just trying to think of reasons why I would

vote to approve this. So, I guess monitoring, if

we condition monitoring, that's something that

could be done. Is that accurate?

THE WITNESS (Gustafson): Matt Gustafson.

Yeah, my understanding is that the -- the Applicant would be amenable to monitoring if that it becomes a condition of approval.

MR. GOLEMBIEWSKI: Okay. All right. Thank you.

Thank you, panel. Thank you, Vice Chair.

THE VICE CHAIR: We'll now continue with cross-examination by Mr. Nguyen, followed by Mr. Carter.

Mr. Nguyen, good afternoon.

MR. NGUYEN: Good afternoon, Mr. Vice Chair. And good afternoon, panel. Many questions have been asked and answered. Just a couple.

Regarding to question number 30, Mr. Mercier asked about this response. And you indicated that these are four sectors that are somewhat determined to be substandard service.

So, the question is, if this tower is approved, what will we see in terms of improvement on these four sectors? Are we seeing higher megabits per second? Are we seeing lower dropped

calls, and what would that mean?

THE WITNESS (Brauer): Yes. Mark Brauer, Verizon

Wireless.

Yeah. So, if this site were to be approved and put in place, we would be alleviating the -the data throughput speed problems on our Scotland site as well as dropped calls on our Chaplin and Hampton sites.

So, dropped calls would improve, yes. And data speeds would also improve, yes.

MR. NGUYEN: What would that be? You talk about five megabits per second. Is that the objective?

THE WITNESS (Brauer): Yeah, we -- once we start getting close to five, we start to worry about issues.

We typically like to be -- and this isn't an industry standard. This is -- this is more

Verizon trying to be as -- as good as they can be.

We typically like to be above 30 megabits per second.

MR. NGUYEN: And again, these were measured. These statistics or data were measured by the existing customers out there? Or is it based on some side-by-side statistical calculation?

THE WITNESS (Brauer): It is statistics directly,

directly from our sites.

response to interrogatory number 53, this has something to do with the access area that will be within the wetland. And the answer indicated that a US Army Corps of Engineers permit may be required, or have to reach out to US Army Corps of Engineers to have --

Moving on to the answer to number 53, the

THE WITNESS (Gustafson): Matthew Gustafson.

MR. NGUYEN: A permit would be required?

 THE WITNESS (Gustafson): Matthew Gustafson.

Yeah, to fully go through that response, the portions of the access road that are being shown on that mapping as it's, you know, a GIS map, a graphical representation of these resources as it's overlaid with the proposed compound and -- and access routing shows the full easement extension of that access road, which is why you're seeing some overlap with wetland one when, in fact, you know the Applicant is proposing to use the existing road, which would not result in any direct impacts to wetland one.

To your point where we're, you know, very proximate to wetland two, as it gets closer to the compound, the access road is generally outside of

any potential for direct impacts to wetland two. However, because of its close proximity, and we are proposing silt fence -- or, sorry, erosion controls adjacent to the access road in that location, in order to fit those in next to the road there is the potential that those erosion controls would need to be installed in the wetlands.

We believe that based on the -- the site plans and everything that we have available to us that we'll be able to keep the erosion controls directly adjacent to the access road, thereby -- thereby eliminating any even, you know, indirect impacts to those wetlands.

However, as you've noted in the response, if those erosion controls are needed to be placed in wetlands, that has the potential for triggering Army Corps jurisdiction. And in that case, if that situation were to occur, then at that point we would reach out and secure that necessary permitting.

MR. NGUYEN: So, how? How do you know that you will need to pull the permit from the US Army Corps?

THE WITNESS (Gustafson): Again, Matthew Gustafson.

Frankly, I don't believe we're going to need

to, that it -- the response was kind of a worst-case scenario. If we got to the D and M phase of construction and during that D and M phase, as they lay out the final access road positioning and the erosion controls we find that they do again overlap in the wetland, at that point then we would -- then we would reach out to the Corps to secure that permitting.

MR. NGUYEN:

of Engineers.

But it is my understanding, speaking with our engineers and the Applicant, that there is flexibility in that area to be able to shift things outside of the wetland, avoiding that entire potential conflict, and thereby not needing an Army Corps permit.

Your answer indicated that you would have

no problem securing all necessarily permitting, a permit from US Army Corps. Is that correct?

THE WITNESS (Gustafson): Yes, that's correct. In this case, and again, that worst-case scenario, we do need a permit. It would be a self-verification permit, which is the lowest tier of permitting under that, the general permit for the Army Corps

That process is very straightforward. You send in -- I believe it's, like, a two-page form

to the Corps and typically you get a response.

And as -- as the name implies, self-verification,
as long as you file -- you fit under the general
permit standards, then they will issue you a
permit without any additional consultation usually
required.

MR. NGUYEN: Now, I'm looking at the worst-case scenario where you don't have a permit from US Army Corps. What next?

THE WITNESS (Gustafson): In the worst-case scenario where we would, you know, again, and as long as we are complying with the general permit standard, they would, as again, the self-verification, you know, notification form, that -- that as that name implies, as long as you fit within their standards, which this project would, by their statute they would issue a permit.

And again, we would, you know, construction in this area vis-a-vis the installation of erosion controls in this area would not commence until we had that permitting secured. But again, I -- I do not think that is the likely pathway on this project because of the flexibility we have in that area.

Based on my experience on other projects

working in close proximity to wetlands like this, there are options to install those erosion controls directly adjacent to the access road, eliminating the need for any even indirect impacts to the wetland.

MR. NGUYEN: So, you're saying that the needs for the permit is probably premature at this time until the D and M plan? If the project is approved --

THE WITNESS (Gustafson): Yeah, I think --

MR. NGUYEN: -- and the D and M plan is in place, and you will comply with it?

THE WITNESS (Gustafson): I think that's a fair characterization. Our response wanted to take into account the potential for even those temporary impacts while understanding that that is an unlikely scenario, very unlikely scenario.

And the most likely scenario is that we avoid wetland two entirely with all elements of the -- the proposed project.

MR. NGUYEN: And assuming the project is approved with the condition that you will need to obtain the necessary green light, that you will -- from the US Corps, you would have no problem with that.

Do you?

THE WITNESS (Gustafson): No, sir.

MR. NGUYEN: Okay. Thank you, panel. And thank you,
Mr. Vice Chair. That's all I have.

THE VICE CHAIR: We'll now continue with cross-examination by Mr. Carter, followed by Ms. Hall.

Mr. Carter, good afternoon.

MR. CARTER: Good afternoon, Mr. Vice Chair, and good afternoon, all. I won't take up too much time.

There's been some great questions.

I just want to take a look at question number 43 from the interrogatories regarding FAA certification. I see in the answer that it says that, no, this is not required, but I just wanted to get some clarification because looking at the FAA compliance evaluation, I see that there is a note under notice criteria under FAR 77.9(b) that says notice is required due to exceeds notice slope.

So, can you all speak to that? I just wanted to get some clarification.

THE WITNESS (Gustafson): Matt Gustafson.

The actual response to that question is -- is as it pertains to the use of a crane during construction. My understanding is that the tower would require consultation. So that, that

question	just	per	tains	to	the		the	erection	of
the tower	as,	you	know	us	sing	a	crane	during	
construct	cion.								

MR. CARTER: Thank you.

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And has consultation with the FAA been underway, or is the shutdown impacting that?

THE WITNESS (Paul): This is Brian Paul with Vertical Bridge.

At this time, the shutdown is unfortunately impacting any communication with FAA and FCC.

- MR. CARTER: Well, thank you for that. That's all that

  I have. And hopefully, you all will be able to

  get in touch with FAA soon. Thank you.
- 14 THE WITNESS (Paul): Thank you.
- 15 THE VICE CHAIR: Thank you, Mr. Carter.
  - We'll now continue with cross-examination by Ms. Hall, followed by Mr. Syme.
    - Ms. Hall, good afternoon.
- 19 MS. HALL: Good afternoon.

I want to thank my fellow Councilmembers for the questioning, because it's really clarified a lot. I have a followup to what Mr. Golembiewski was asking about, more from our curiosity I think than for anything, any particular impact here.

The point he made about how the coverage for

installing this tower seems to be -- the location seems not to hit some of the places where you might expect higher usage. And I just wondered whether when you are in your planning phases for where you want to put towers, where you want to move next, does density of usage play into it? And if so, how is that?

How is that factored in, in this particular location given that, as Mr. Golembiewski pointed out, there may be some denser usage in areas close by that may not be affected by this tower?

THE WITNESS (Brauer): Mark Brauer from Horizon Wireless.

I'm not sure how else I can -- I can answer, but we do -- we do look at statistics from our customers and usage patterns. So, we're very confident that this -- this will solve -- solve the issues that we're seeing on the surrounding sites, even though it's -- it appears to be a lower usage area.

MS. HALL: All right. And I know you've done the statistical analysis on dropped calls and all of that sort of thing. Have there been complaints from this area?

THE WITNESS (Brauer): Being in the -- the design

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1	portion of this, of Verizon, I'm not directly in
2	touch with our customer service portion, but
3	that's that's not something I I have in
4	particular.
5	MS. HALL: Okay. Thank you.
6	I have no further questions. Thank you.
7	THE VICE CHAIR: Thank you, Ms. Hall.
8	We'll now continue with the cross-examination
9	by Mr. Syme, followed by Dr. Williams.
10	Mr. Syme, good afternoon.
11	MR. SYME: Good afternoon, everybody.
12	I have no further questions at this time.
13	Most of my environmental vernal pool wetland
<b>14</b>	questions have been talked about already. So, I
15	checked off my list, so I'm good.
16	THE VICE CHAIR: Thank you, Mr. Syme.
17	We'll now continue cross-examination by
18	Dr. Williams, followed by Mr. Lynch.
19	Dr. Williams, good afternoon.
20	DR. WILLIAMS: Good afternoon.
21	I feel the same as Mr. Syme. I had some
22	questions about proximity to vernal pools and
23	wetlands, and those were answered as well.
24	Thank you.

Thank you.

THE VICE CHAIR: Very good.

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1 Mr. Lynch, good afternoon.

MR. LYNCH: Good afternoon, Mr. Chairman.

I have a couple of questions. The first one is for Mr. Gustafson. I had some questions about the Army Corps permits, but you answered that question very thoroughly, so thank you.

And Mr. Gustafson, I know you contacted SHPO, but did you have any follow-up consultations with any of the Native American tribes, the Paugussetts or the Narragansetts, or the Mohicans? Are they involved in any capacity?

THE WITNESS (Gustafson): Matthew Gustafson.

At this point, my understanding is that the State Historic Preservation Office as well as any of the tribal correspondences have not taken place. As part of our preliminary assessment of this project, a cultural and historical resource assessment is completed to see if anything that's on the -- either the National Register or locally known in the area are located adjacent or nearby that, the site.

Based on our preliminary assessment, none of those resources were found either on or proximate to the site. As we've seen on other dockets, you know, those consultations with -- with SHPO and

with the tribes occurred during the -- the NEPA process. That usually occurs during the D and M phase of the project.

MR. LYNCH: Thank you.

Now, on the tree removal, if the owner decides he doesn't want the trees, where do you dispose of the trees? Are they chipped up? Are they dropped in landfills? What happens to them?

THE WITNESS (Paul): Brian Paul with Vertical Bridge.

Typically, if a tree is not wanted by the property owner, they're disposed of by the contractor that we've hired to remove them. I can't speak to whether or not this particular landowner wants the trees that we'll be cutting down or not, but typically the assumption is that they'll be hauled off site.

MR. LYNCH: All right. Thank you.

On question 19. With the wind-gust speed of 125 miles an hour, I thought that it was 135 miles an hour, just subject to check.

THE WITNESS (Johnston): This is Joe Johnston with Airosmith.

No, I actually verified appendix P in the 2022 Connecticut State Building Code again yesterday evening, and the 125-mile-an-hour

three-second gust is accurate.

MR. LYNCH: Now, does that also apply to the antennas, or anything that's on the pole itself?

THE WITNESS (Johnston): Yes, sir. It does.

MR. LYNCH: Thank you.

Now, you also stated in one of the interrogatories that the tower is not going to be designed to support rising in height. Why not?

THE WITNESS (Paul): This is Brian Paul with Vertical Bridge.

Typically, we don't plan to extend towers that are already over 140 feet. Our company policy is typically that any tower that's 120 feet is designed to be extended another 20 feet, but if it's already taller than that we don't typically plan for expansion beyond that.

MR. LYNCH: But doesn't the feds allow going up 20 more feet? The federal government, do they allow going up 20 more feet? The FCC?

THE WITNESS (Paul): Brian Paul again.

In this case, I -- I can't speak to that. We didn't -- we didn't run the FAA assessment at a higher elevation. My assessment would be that if we're already being required to give notice at its current height, we would most likely have to give

1 it at the higher height as well.

MR. LYNCH: But wouldn't you have to -- oh, nevermind. Forget it.

Your coverage for in-building coverage, does that allow for data and streaming?

THE WITNESS (Brauer): Mark Brauer, Verizon Wireless.

Typically, that level of signal strength is -- is enough to get you in building in -- in a typical, you know, a typical suburban area to -- in order for you to get enough to -- to stream, yes. It's obviously very dependent on the building itself, what the building is made out of, how thick are the walls, how big is the building kind of thing, but in general, yes.

MR. LYNCH: Now, in your answers to Brian G. about coverage, you know, in their gaps that are there, that sounded to me like this is more of a capacity site than a coverage site. Or is there a different percentage of capacity and coverage?

THE WITNESS (Brauer): Mark Brauer, Verizon.

In terms of a percentage, I -- I really don't have an answer for that, but it is. It is double duty. It is a coverage site and a capacity site.

MR. LYNCH: All right. Is it more of a capacity site

than a coverage site?

THE WITNESS (Brauer): I would say it's pretty equal.

Because -- because of the -- the lack of service
in the area and the coverage that's being
provided, it is providing a significant capacity
offload. So, maybe 60/40 in favor of coverage.

MR. LYNCH: All right. Now, on your fuel tank for your backup generator you have 210 gallons. How much of that 210 gallons is actually used to operate the generator to support the site, and how much is used to actually run the generator?

THE WITNESS (Paul): This is Brian Paul with Vertical Bridge.

Typically, that's dependent on how often it's used. So, we know that the generator cycles on a regular basis to ensure its operation properly, but again, those 210 gallons in the tank depend on how often it's run. Right?

So, if we had an emergency that lasted overnight or for two or three days, it would most likely use a lot of that fuel, versus a site that had no need for that generator to run an extended period of time. That fuel would certainly last quite a while.

MR. LYNCH: Now, how often is the generator topped off?
THE WITNESS (Paul): Again, Brian Paul.

Page 58

As needed. So, there's -- there's a fuel gauge that's monitored by Verizon, and they can -- they can tell when it gets to a certain fuel level that they want to top it off. It really, again, depends on the usage of the site.

- MR. LYNCH: Now, during the maintenance visit, these generators are run correctly -- or, am I correct there?
- THE WITNESS (Paul): Brian Paul, again.

No, you are not correct there. They run independently. I believe it's weekly. It could be biweekly -- yeah, it's weekly. And they do not need to run during a maintenance visit. They're simply --

- MR. LYNCH: All I'm saying is there is a schedule --
- 16 THE WITNESS (Paul): Yes.

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- MR. LYNCH: -- for it to be operated weekly or biweekly?
- 19 THE WITNESS (Paul): Correct.
- MR. LYNCH: All right. How many of those visits would it take before the generator needed to be topped off?
- 23 THE WITNESS (Paul): It -- it's not -- again, Brian
  24 Paul here.
  - It's not that there's a visit that occurs,

that it runs automatically. No one has to be present to start it, to turn it on. It -- it does it on its own.

So, it -- I think your question is how -- how many times -- how many weeks would it have to cycle in order to burn 210 gallons of fuel? I don't know the answer to that. I -- I would guess that 210 gallons on -- on a 50-kW generator that's running once a week for 20 minutes would probably only burn about 100 gallons a year. Yeah, it's a guess.

MR. LYNCH: All right. I'll take that. Now, my last question is the standard question I ask all the time. When your fiber optic telephone line goes down, what plans do you have in place to get that site up and operating again?

THE WITNESS (Paul): Brian Paul, Vertical Bridge.

So, we do have a redundant conduit in place to be able to pull a new fiber from the source at the street out to the site so that if the existing fiber can't be repaired, we can pull a new fiber from the site to the -- again, to the source at the street.

MR. LYNCH: And how long would that take?

THE WITNESS (Paul): You'd have to ask the fiber

provider. I think it depends on what the emergency is. Again, if it's -- if it's a statewide outage, you know, if you go back 13 years ago to our October storm and there's outages everywhere, I think it's going to take quite a significant amount of time.

If it's a limited case outage where it's just on Bass Road, it's likely to get its attention a lot sooner and be restored a lot sooner.

- MR. LYNCH: Okay. I'm very familiar with the October Halloween storm. I think we all are. But I just wanted to know that there is some plan that you have with the current telephone company to get that place up and running again because the site is dead without that line.
- THE WITNESS (Paul): 100 percent we agree with you.

  Unfortunately, the fiber providers -- I don't want
  to say limit us, but direct us to only run one
  fiber to a site per carrier. There's no
  redundancy for that. It's -- it's one main fiber
  run to the site. The carrier split it from there.

So, we're directed that way by the fiber provider in the area.

MR. LYNCH: Thank you.

THE WITNESS (Paul): Or the fiber provider for that

1 site, yeah.

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MR. LYNCH: Thank you.

Mr. Morissette, those are all my questions.

THE VICE CHAIR: Good afternoon, panel.

I would like to get one question on the record relating to whether there's natural gas at the site. I presume there is not.

THE WITNESS (Paul): Brian Paul, Vertical Bridge.

No gas on this location.

THE VICE CHAIR: Okay. Great. Thank you.

Question number eight talks about moving the -- you looked at moving the site 72 feet to the west, a hundred feet to the north. And it states that the reason was you would be encroaching on the adjacent parcel. And earlier there was discussion about the compound being in the vernal pool envelope and that it did not comply with the Army Corps BMP.

Now, why wouldn't you want to move it out, move it five feet to comply with the vernal pool BMP?

THE WITNESS (Gustafson): Matt Gustafson.

It's not so much that we didn't want to.

It's -- it's, as you might expect, you know, and moving it five feet as it relates to the

complexity of amphibians using, you know, this anthropogenic vernal pool two feature, in my professional opinion, it doesn't result in a significant improvement or benefit to -- to that pool.

Certainly, if the -- if the Council feels
that moving it five feet to comply with those BDP
standards is important and would -- and makes that
a condition of approval, that is something that
the Applicant is amenable to shifting it, as you
say, five feet east to push it outside that
envelope.

But again, and in my professional opinion, that five-foot shift is not going to, you know, while it technically now, you know, results in it being compliant with the BDP standards, it doesn't result in any significant benefit to -- to that buffer.

Frankly, both these pools being anthropogenic in origin, the tower being sited in an area that's had the underbrush already cleared and was used for livestock previously, the access road generally following the existing residential access road and then transitioning to the -- the kind of the dirt farm road that was that, as it

transitions to the north, all of those factors result in, you know, this, this project resulting in a very limited impact to this pool.

And the fact -- and I should make a correction here. I think previously in my testimony I stated these are tier-two pools. They're actually tier-three pools, the second lowest tier conservation status under those BDP guidelines.

So, because of all those factors, again, that it's not the Applicant isn't amenable to shifting it five feet outside the area. It's just it doesn't feel like it provides a significant benefit, and -- and that is why we -- we left it where it is.

But again, if the Council feels like that -or the commission feels like that's an important
distinction to comply with the BDP standards, they
are amenable to shifting it to be compliant.

THE VICE CHAIR: Okay. If you're not compliant with the Army Corps BMPs, how does the Army Corps view that?

THE WITNESS (Gustafson): So, vernal pools don't have

any -- so, these buffers that are established, the

hundred-foot vernal pool envelope and the 750-foot

critical terrestrial habitat buffers are non-jurisdictional buffers. There are no triggers. You could -- we could clear out the entire area and as long as you did not touch a square foot of wetland impacts, the Army Corps has no jurisdiction on the project.

The Army Corps' jurisdiction starts at the first, you know, square foot of impact directly to a wetland under the -- as we've already talked about, under the self-verification notification form, indirect impacts like we're talking about to vernal pools are assessed.

However, you need a significant indirect -- I think -- I believe it's 5,000 square feet under the old GP to trigger no longer being compliant with the SP, which would push you to the next tier rating of -- of permitting, but still would be allowable under their guidelines.

So, those BDP standards are -- are really, while they are cited by the Army Corps, it is largely for planning and conservation of these pools and not directly correlated to jurisdiction or, you know, the ability to approve something that did have an impact to wetlands.

THE VICE CHAIR: Okay. I am familiar with the

self-verification process in my past life. You talked a little bit about earlier if you have to put controls into the wetlands that you would trigger a self-verification, that you don't necessarily think you're going to need to, but if you do, you would file. You would need to file a self-verification.

And so, now you're in wetlands. Does that also trigger a review of the vernal pool envelope?

Or do you need to note it, I should say, in your self-verification?

THE WITNESS (Gustafson): It is something we would note. But to answer your question, no, it would result -- it would not affect our ability to secure a self-verification permit. Again, those, those impacts are immaterial to that process.

They -- they strictly care about your direct impacts to the wetlands and -- and indirect wetlands, to the impact to the wetlands.

To further, you know, if we want to further complicate this process under the current ruling for -- for regulated resources under the Army Corps of Engineers, this wetland would likely be considered non-jurisdictional because it is an isolated feature, however, that that process would

require reaching out to the Corps for a jurisdictional determination.

Typically, and historically in the past we have foregone that process and just assumed jurisdiction. So, that's, you know, where we lead to SV, but for edification purposes, it is likely that this wetland, being an isolated wetland, a non-traditional navigable water, not a relatively permanent water, it would not be considered jurisdictional at a federal level even though it is considered a Connecticut wetland.

- THE VICE CHAIR: Okay. And when you file a self-verification, the DEEP water quality certificate is automatically issued as part of that process. Is that correct?
- THE WITNESS (Gustafson): That is correct. Yes, you're required to submit to, as you said, the State as well when you file with -- with the Army Corps.
- THE VICE CHAIR: Right. And the State automatically grants it based on your filing the self-verification.

So with that, the Army Corps, if you have to file a self-verification, both the Army Corps and the DEEP water quality have jurisdiction over that wetland?

THE WITNESS (Gustafson): That is correct, yes.

THE VICE CHAIR: Okay. Well, and the point I'm trying to make is that there was discussion earlier about whether ongoing monitoring of wetland two would be -- you would be able to undertake it. The problem with that is that we, the Council, because it's outside of the site, do not have jurisdiction over that, that wetland and vernal pool.

The Army Corps and DEEP could, upon reviewing your self-verification, come back and say, we'd like you to monitor it. Typically they wouldn't, but they could. Correct?

- THE WITNESS (Gustafson): That is correct. In addition, in cases where we do propose monitoring, because that becomes part of the record as part of that permit that's filed, it becomes a requirement of that approval.
- THE VICE CHAIR: Okay. Is that something that you would consider when you file your self-verification to include monitoring as it was suggested earlier?
- THE WITNESS (Gustafson): So, in the case of what was suggested earlier, post-construction monitoring for a year or two, it's something we could consider. It's not currently something we're

1 proposing.

again.

Currently, we're proposing monitoring just during construction up to the point of permanent stabilization of the site and removal of all temporary erosion controls.

THE VICE CHAIR: Okay. So, that's something that the

Council could recommend that you consider if we so

choose to, that you ask the Army Corps, and to

part of your self-verification you would include

additional monitoring?

THE WITNESS (Gustafson): Yes. Correct.

THE VICE CHAIR: Okay. Very good. Okay. I just wanted to clarify that for everyone.

Now, we'll go back to number eight. It says
that it was not considered because it would
encroach on the adjacent parcel. Was that the
case, or would it be encroaching on the wetlands
to the west? Or was it more the parcel?
THE WITNESS (Gustafson): So, yeah. Matt Gustafson

You know, the hundred feet to the north, if you're -- and to answer the question of 72 feet to the west and a hundred feet to the north, that does push you onto the adjacent parcel.

I think if I interpret your question

correctly, if you just shifted it 72 feet to the west, or west away, you know, from wetland two, you are now pushing it close to wetland one or within potentially edges of wetland one, which for, you know, for those reasons was why that that option was eliminated.

THE VICE CHAIR: Okay. Well, I definitely don't agree with a hundred feet to the north, because that certainly would be right on the property line and that would not be a good design.

Okay. That concludes my questioning for this afternoon. Thank you, everyone, for your responses.

We'll quickly go through and see if there are any follow-up questions since we have a little bit of time here.

Mr. Mercier, are there any follow-up
questions?

MR. MERCIER: Yes, thank you. I had a couple just to clarify a couple of points.

The first one, I'm going to ask a question regarding the Federal Aviation Administration notice of slope criteria. I believe on page 18 of the application it stated that, you know, the tower would not require any obstruction light, or

marking or lighting. Now, is that still valid even though you haven't completed this slope, notice of slope consultation?

THE WITNESS (Paul): Yeah, this is Brian Paul.

So, we'll continue to follow up with the FAA and the FCC to determine the next steps with regard to their determination. This is an initial investigation. Their determination will come at a later date.

- MR. MERCIER: Okay. Yes. I'm just looking at page 18 where it states that obstruction lighting or marking is not required. So, is that a true statement, or you don't -- we're not sure right now?
- THE WITNESS (Paul): That's -- that's a true statement, but again, their final determination will come at a later date.
- MR. MERCIER: Thank you.

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I'm going to refer to site plan Z2. This is the overall site plan in the application. So, the access road extends from Bass Road. You know, it shows silt fencing on the side of the road that's -- the existing driveway, that is.

And it says, upgrade as required off to the left.

What upgrades are you anticipating for the

1	į –	access	drive	here,	in	case	I	did	not	catch	it
2		earlier	?								

- THE WITNESS (Johnston): This is -- this is Joe
  Johnston with Airosmith.
  - I think the existing driveway is in fairly good condition. So, we don't anticipate needing upgrades for that first 600 feet.
- MR. MERCIER: Okay. I was just looking at sheet Z3.1, you know, two sheets down. It just showed a silt fence on either side of the road. I wasn't sure exactly what you were doing.
- THE WITNESS (Johnston): This is Joe Johnston with Airosmith.
  - I believe we're placing construction silt fences there while material and equipment are being brought in and out as a safety measure.
- MR. MERCIER: Okay. And did I hear earlier that there's a duct bank under the existing driveway?
- 19 THE WITNESS (Paul): Brian Paul --
- 20 MR. MERCIER: From the driveway, that is.
- 21 THE WITNESS (Paul): Brian Paul, Vertical Bridge.
- No, there's existing overhead on -- on the existing driveway. We'll go under it --
- 24 MR. MERCIER: Okay.

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25 | THE WITNESS (Paul): -- from the last pole near the

residence and take the utilities underground from there.

- MR. MERCIER: Okay. So, it's overhead. You're connecting to the existing pole on the site.

  Correct?
- 6 THE WITNESS (Paul): Yes, that's correct.
- 7 MR. MERCIER: On this parcel. Okay.

Would there be upgrades required to the overhead lines?

THE WITNESS (Paul): Again, Brian Paul, Vertical Bridge.

At this time, it's unknown. We'll walk the site with the utility company upon site approval to determine if any upgrades or additional poles are required. But my assumption, based on what we know of the lines today, those are fairly new and should not require any upgrades.

MR. MERCIER: Okay. And just moving up one more sheet, that would be Z3, and that's the site plan of the compound area and the existing home in the area.

On there it shows a goat shelter, and you earlier mentioned livestock grazing. Is that still ongoing at the site?

I mean, the vernal pool, according to the interrogatories, was actually man-made for --

probably for livestock. I'm not sure, but is there any livestock grazing on there right now?

THE WITNESS (Gustafson): This is Matthew Gustafson.

During my investigations of the site I did not see any livestock using those areas. There was evidence that livestock have been there fairly, you know, recently within the last year or couple years, but no, I have not seen any active use.

MR. MERCIER: If the landowner decided to graze
livestock again in the event he's not doing it
currently, how would that -- and he used the
man-made excavation as a water source for his
animals, how would that affect the quality of the
man-made vernal pool?

THE WITNESS (Gustafson): Matt Gustafson, again.

Because this pool, like you said, was -- was likely constructed as -- as a farm pond or a watering feature for -- for those livestock, and these, these amphibians that we're seeing in there would likely have been using it with that, with that use in mind, I would not expect there to be a significant change in the -- the impact to -- to that vernal pool or the -- the species using it.

MR. MERCIER: Okay. And looking at that site plan

again, on the -- right next to the wetland, it shows the silt fence, and there's a tiny jut out just to go around the wetland.

I mean, is it just possible just to move the actual road over to the west side of your easement? Or do you always have to have it within the middle?

THE WITNESS (Paul): This is Brian Paul again.

Yeah, we're -- we're certainly open to putting the road within the easement. I think, again, we're just trying to avoid putting the silt fence in the wetlands. Right?

So -- but yeah. To answer your question, the road does not always have to be down the middle of the easement. We're certainly open to moving that over to the west.

MR. MERCIER: Okay. Thank you.

I had one question regarding the coverage maps. We talked about them earlier, and specifically the Chaplin South site, which I believe, you know, had some deficient data speeds. It appears that that site covers, you know, the south end of that existing Chaplin South site. It kind of reaches towards the Route 6, Route 198 corridor -- excuse me, Route 195.

1	Now, if this proposed site was constructed,
2	alleviating some capacity issues on that Chaplin
3	South sector we talked about earlier, would that
4	actually increase data speeds along the Route 6,
5	Route 195 corridor, above the as five or above?
6	THE WITNESS (Brauer): Yes. Mark Brauer
7	MR. MERCIER: (Unintelligible)
8	THE WITNESS (Brauer): I'm sorry, go ahead.
9	MR. MERCIER: I just wanted to clarify, you know, above
10	5 MPS or above?
11	THE WITNESS (Brauer): Mark Brauer, Verizon Wireless.
12	Just for clarification, that's is that
13	Route 195 or 198?
14	MR. MERCIER: It might be 198. I can't see it, but
15	it's directly east of the site.
16	THE WITNESS (Brauer): Understood.
17	MR. MERCIER: The existing Chaplin South site.
18	THE WITNESS (Brauer): Yes. I mean, certainly
19	certainly, whenever we bring in a new site and
20	we we alleviate, we alleviate issues from
21	from surrounding sites, that the data speeds
22	certainly do increase because we have users that
23	are no longer no longer using that site.
24	So, they now those resources are now used
25	for the for the people that are that are

closer to the site. So, the data speeds would increase, yes.

MR. MERCIER: For the coverage maps, are there -- does the green -- is there any way to tell the data speeds used in the coverage maps? I mean, would the green be less than, you know, the 5 MPS level?

Or that's not really shown?

THE WITNESS (Brauer): No, that's -- that's not an equivalent comparison. What -- what we show with the coverage maps is -- is a signal strength. And certainly, if it's, you know, if -- if your site isn't very, very busy, you can certainly achieve the high data through -- throughput in those areas.

But yeah, the coverage map to data speed is there's -- there's no correlation there.

MR. MERCIER: Okay. Thank you.

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That's all my extra questions. Thank you.

THE VICE CHAIR: Thank you, Mr. Mercer.

Mr. Golembiewski, any follow-up questions?

MR. GOLEMBIEWSKI: I don't have any follow-up

questions. Thank you, Vice Chair.

THE VICE CHAIR: Very good. Thank you.

Mr. Nguyen?

MR. NGUYEN: No followup.

	Page 77
1	Thank you.
2	THE VICE CHAIR: Thank you. Mr. Carter?
3	MR. CARTER: No further questions.
4	THE VICE CHAIR: Thank you. Ms. Hall?
5	MS. HALL: No further questions. Thank you.
6	THE VICE CHAIR: Thank you. Mr. Syme?
7	MR. SYME: I have none.
8	THE VICE CHAIR: Thank you. Dr. Williams?
9	DR. WILLIAMS: Nothing further. Thank you.
10	THE VICE CHAIR: Thank you. Mr. Lynch?
11	Mr. Lynch, anything further?
12	MR. LYNCH: No questions.
13	THE VICE CHAIR: Very good. Thank you.
14	Okay. Thank you, everyone. That concludes
15	our hearing for this afternoon.
16	So, the Council will recess until 6:30 p.m.,
17	at which time we will commence the public comment
18	session of this public hearing.
19	Thank you, everyone. And we'll see you at
20	6:30.
21	
22	(End: 3:35 p.m.)
23	
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## CERTIFICATE

I hereby certify that the foregoing 77 pages are a complete and accurate computer-aided transcription of my original verbatim notes taken of the remote teleconference meeting of THE CONNECTICUT SITING COUNCIL EVIDENTIARY HEARING IN Re: DOCKET NO. 541, THE TOWERS, LLC, APPLICATION FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF A TELECOMMUNICATIONS FACILITY AND ASSOCIATED EQUIPMENT LOCATED AT 132 BASS ROAD IN WINDHAM, CONNECTICUT, which was held before JOHN MORISSETTE, THE VICE CHAIR, on November 6, 2025.

Robert G. Dixon, CVR-M 857

Notary Public

My Commission Expires: 6/30/2030

	Page 79	•
1	INDEX	
2	WITNESSES	.GE
	Elizabeth Glidden	
3	Mark Brauer	
	Brian Paul	
4	Matthew Gustafson	
	Rick Landino	
5	Joseph Johnston	11
6	(EXAMINATION)	
	By ATTORNEY SCHAEFER	13
7		
	By Mr. Mercier 16,	69
8	By Mr. Golembiewski	31
	By Mr. Nguyen	42
9	By Mr. Carter	49
	By Ms. Hall	50
10	By Mr. Lynch	53
	By The Vice Chair (Morissette)	60
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

[**& - able**] Page 1

&	<b>198</b> 74:24 75:13,14	<b>3:30</b> 7:10 <b>3:35</b> 77:22	<b>60</b> 79:10 <b>60/40</b> 57:5
<b>&amp;</b> 3:3 5:23 10:12	1c 9:20	3d 29:11	<b>600</b> 71:7
0	2	4	<b>61</b> 22:19
<b>06103</b> 3:5	<b>2</b> 1:14 4:5 6:8	4 13:8	<b>69</b> 79:7
1	13:7	<b>40</b> 28:16	7
	<b>20</b> 55:14,17,19	<b>42</b> 79:8	<b>700</b> 31:21
<b>1</b> 3:4 9:21 13:8	59:9	<b>43</b> 49:11	<b>72</b> 61:12 68:22
<b>10</b> 7:9	<b>2015</b> 25:5	<b>45</b> 14:3	69:1
<b>100</b> 37:13	<b>2022</b> 54:24	<b>49</b> 79:9	<b>750</b> 63:25
59:10 60:16	<b>2024</b> 26:15	5	<b>77</b> 78:3
11 79:5	<b>2025</b> 1:13 4:5	<b>5</b> 38:4 75:10	<b>77.9</b> 49:16
11th 25:20	5:6,9 7:17	76:6	8
<b>12</b> 39:2	12:10,18,20	<b>5,000</b> 64:14	<b>85</b> 32:10
<b>120</b> 55:13	78:14	<b>5.1</b> 14:8	<b>857</b> 78:17
<b>125</b> 54:19,25	<b>203</b> 33:13	<b>50</b> 38:21,21	860.275.8302
<b>13</b> 20:21,25	<b>21</b> 7:17	39:7,7 59:8	3:11
21:1 22:23,23	<b>210</b> 57:7,8,16	79:9	860.275.8349
23:1 24:2 60:3 79:6	59:6,8	<b>53</b> 44:2,3 79:10	3:8
<b>132</b> 1:10 5:4	<b>21st</b> 12:22	<b>54</b> 20:20	9
78:12	16:19	<b>541</b> 1:5 78:8	9 27:1,2
<b>135</b> 54:19	<b>23</b> 5:6 12:10	<b>55</b> 22:19	<b>90</b> 9:21
<b>133</b> 34.19 <b>14</b> 33:14	<b>24</b> 25:20	<b>56</b> 25:2	<b>90</b> 9.21 <b>95</b> 32:11 37:23
<b>14</b> 33.14 <b>140</b> 55:12	<b>28</b> 12:19	<b>572</b> 27:6	<b>95</b> 32.11 37.23 <b>97</b> 33:15
<b>15</b> 7:9	<b>2:00</b> 4:1	<b>575</b> 27:14	
<b>16</b> 4:22 79:7	3	<b>58</b> 38:5	a
<b>17</b> 12:18	<b>30</b> 5:9 7:1 18:8	6	ability 23:9
<b>18</b> 69:23 70:10	28:16 42:18	<b>6</b> 1:13 4:5	39:11 64:23
<b>19</b> 54:18	43:19	74:24 75:4	65:14
<b>195</b> 74:25 75:5	<b>300</b> 21:25 22:5	78:14	able 17:10
75:13	<b>31</b> 79:8	6/30/2030	38:21 45:11
	<b>35318</b> 78:16	78:18	46:11 50:12
		70.10	59:19 67:5

		I	
<b>above</b> 43:19	address 27:23	16:15,16 31:18	amphibians
75:5,5,9,10	adjacent 45:4	31:19 42:14,15	39:3 62:1
abutting 27:4	45:12 48:3	42:16 49:6,7,8	73:20
access 6:3 22:5	53:20 61:15	50:18,19 52:10	analysis 21:10
24:1 30:24	68:16,24	52:11,19,20	26:23 51:22
31:2 32:16	adjustments	53:1,2 61:4	analyst 2:19
38:22,23,24	17:17	69:12 77:15	4:16 11:1
41:23 44:4,13	administer	agenda 5:25	animals 73:14
44:17,18,25	10:9	<b>ago</b> 60:4	<b>answer</b> 17:11
45:4,12 46:4	administration	<b>agree</b> 60:16	40:20 44:2,5
48:3 62:22,24	69:22	69:7	46:15 49:12
70:21 71:1	administrative	agreement 7:17	51:14 56:22
accordance	2:25 4:17,23	ahead 75:8	59:7 65:13
5:24	9:18 13:2	aided 78:4	68:22 74:13
account 48:14	administrativ	airosmith 11:4	answered 14:6
accurate 15:3	9:23 10:4	54:22 71:4,13	42:17 52:23
21:12 35:9	admitted 10:3	alleviate 75:20	53:5
42:4 55:1 78:4	16:11	75:20	answers 56:15
achieve 76:12	<b>adopt</b> 15:17	alleviating 20:9	antennas 17:18
act 4:24	advised 6:12	43:5 75:2	17:19 18:2,5
active 73:8	aerial 26:25	<b>allow</b> 55:17,18	55:2
<b>actual</b> 49:22	27:17 35:15	56:5	anthropogenic
74:5	aerials 35:13	allowable	23:10 35:19
actually 17:4	<b>affect</b> 65:14	64:18	37:2 40:3 62:2
20:19 21:3	73:14	allowed 6:20	62:19
27:10 37:12	affected 51:11	alteration 39:8	anticipate 71:6
54:23 57:8,10	affects 18:17	amenable 42:7	anticipating
63:7 72:25	affidavit 12:17	62:10 63:11,19	70:25
75:4	12:19	amendments	anymore 19:6
addition 24:17	afternoon 4:3	13:22	anyway 27:3
67:14	7:13 8:6,7,8,9	american 53:9	apologize 25:18
additional 47:5	8:11,12,14,15	amount 60:6	<b>app</b> 3:2
68:10 72:14	8:17,19,22	amounted	appearance
	9:24,25 10:11	26:15	10:6 12:7

[appears - bank] Page 3

appears 27:5	approximately	asked 38:9	15:1,7,9,11,13
51:19 74:22	37:23	42:16,19	15:15,17,22,24
appendix 54:23	<b>apps</b> 19:3	asking 50:23	16:1,3,5,7,10
applicant 5:10	area 17:2,5,15	assessed 64:12	79:6
5:12,21 9:21	18:6,15 19:11	assessment	attributes 23:4
10:6,7,14,16	19:18,23 20:1	53:16,18,22	<b>audio</b> 4:19
16:13 31:16	20:9,14 24:4	55:22,23	authority 4:12
42:7 44:20	26:8 27:11,21	assist 13:6	automatically
46:10 62:10	30:12 32:14,19	associated 1:9	59:1 66:14,19
63:11	32:22,23 33:8	5:3 22:3 37:4	available 5:25
applicant's	33:21,25 34:5	78:12	17:4 45:10
12:16,18,20	34:7 44:4	assumed 66:4	aviation 69:22
applicants 6:18	46:11 47:19,20	assuming 48:20	<b>avoid</b> 38:21
12:7	47:24 51:20,24	assumption	48:17 74:11
application 1:6	53:20 56:9	54:15 72:15	avoiding 46:12
4:24 5:5,19	57:3 60:23	attachment	b
12:8 14:4	62:20 63:12	14:4 20:21,25	<b>b</b> 1:16 11:14,15
20:21 22:23,25	64:4 72:20,20	21:1 22:22,23	11:16 12:7
26:23 69:24	areas 20:2 21:8	23:1 24:2	13:8 49:16
70:20 78:8	21:14,16,17,18	25:11,16,18	bachman 2:21
<b>apply</b> 55:2	21:23,25 22:3	26:24	4:16 7:12,13
appropriate	22:4,7,11,14,15	attacked 34:11	7:18 10:8 11:9
12:2	33:24 37:8	attacking 33:16	11:11,24,25
approval 9:10	51:10 73:5	attention 9:19	back 26:15
9:14,15 42:8	76:14	60:8	28:9 60:3
62:9 67:17	<b>army</b> 25:5 44:6	attorney 2:22	67:10 68:14
72:13	44:7 45:18,23	7:11,13,18	background
approve 7:25	46:14,17,22	9:24,25 10:8	16:24
9:2,4,6,8,12	47:9 53:5	10:10,11,12	backlogged
42:2 64:23	61:18 63:21,21	11:8,9,11,24,25	32:7
approved 9:17	64:5,7,20	12:1,4 13:4,11	backup 57:7
42:23 43:4	65:22 66:18,22	13:13,15,17,19	<b>bank</b> 71:18
48:8,20	66:23 67:9	13:21 14:1,15	
	68:8	14:17,20,22,24	

[barrier - carter] Page 4

barrier 24:22	<b>best</b> 15:4 25:5	75:11,11,16,18	56:12,12,13
based 21:1	35:12 36:12	76:8 79:3	<b>buildings</b> 21:17
22:24 29:5,10	<b>beyond</b> 24:1	break 7:9	bulk 12:11
31:21 32:10	28:10 31:10	breeding 23:9	<b>burn</b> 59:6,10
35:15 36:20,24	55:16	23:12,23 35:20	busy 76:12
43:23 45:9	<b>big</b> 34:18 56:13	36:7 37:9	C
47:25 53:22	<b>bill</b> 2:13 4:13	40:14 41:11,14	
66:20 72:15	<b>bit</b> 14:10 18:24	<b>brian</b> 2:5 4:8	<b>c</b> 2:1 3:1,9 5:23
basically 14:12	26:17 28:12,25	10:21 31:4	11:18
23:2 33:3	30:13 40:6	50:7 54:9 55:9	calculation
36:20	65:2 69:15	55:20 56:15	43:24
basis 57:15	biweekly 58:12	57:11,25 58:9	call 9:19 34:24
bass 1:10 5:4	58:18	58:23 59:17	called 4:4 11:20
29:25 60:8	<b>black</b> 14:12	61:8 70:4	20:24 30:10
70:21 78:12	blocking 27:10	71:19,21 72:10	<b>calls</b> 33:9 43:1 43:7,9 51:22
<b>bdp</b> 38:1 62:7	<b>blocks</b> 30:20	74:8 79:3	candidate
62:16 63:8,18	<b>blue</b> 32:3	<b>bridge</b> 10:22	17:22
64:19	<b>bmp</b> 61:18,21	31:5,11 50:8	capacity 20:10
beaver 34:3	<b>bmps</b> 63:21	54:9 55:10	33:7 37:10
<b>beginning</b> 1:14	<b>bordering</b> 36:1	57:12 59:17	53:11 56:17,19
behalf 10:13	<b>bottom</b> 26:7,9	61:8 71:21	56:23,24 57:4
<b>beige</b> 21:2,16	boundary	72:11	75:2
<b>believe</b> 7:11	37:24	<b>brief</b> 6:17	captures 29:12
18:3 23:19	<b>brauer</b> 10:19	<b>bring</b> 32:21	care 65:17
27:6 28:6 30:1	13:11,12 14:1	75:19	carrier 60:19
34:3 37:18	14:2,16 15:7,8	brook 34:4	60:21
38:10 40:21	15:22,23 17:10	brought 71:16	carter 2:11
45:9,25 46:25	17:10 18:3,16	<b>buffer</b> 34:24	4:13 8:8,9 9:5
58:11 64:14	19:15,24 20:17	62:18	9:6 42:13 49:4
69:23 71:14	32:12,12 33:23	buffers 35:5	49:6,7 50:4,11
74:21	43:2,2,13,25	63:24 64:1,2	50:15 77:2,3
benefit 6:23	51:12,12,25	<b>build</b> 19:11	79:9
38:7 62:4,17	56:6,6,20,20	building 32:11	
63:14	57:1 75:6,6,8	54:24 56:4,8	

	1	1	
case 19:1,25	42:11,15 49:2	<b>cited</b> 64:20	comment 6:11
22:12 33:12	49:3,7 50:15	citizens 6:4	6:13,15,21,25
38:4,12 45:18	52:7,16,25	clarification	7:4 77:17
46:2,19,19	61:4,10 63:20	49:14,20 75:12	comments 6:8
47:7,10 55:21	64:25 66:12,19	clarified 50:21	commission
60:7 67:22	67:2,18 68:6	clarify 16:20	63:17 78:18
68:17 71:1	68:12 69:7	68:13 69:20	commissioner
<b>cases</b> 67:14	76:19,22,23	75:9	4:9
<b>catch</b> 71:1	77:2,4,6,8,10	<b>clear</b> 21:9	communication
<b>center</b> 25:23	77:13 78:14	28:13 31:24	5:17 50:10
26:3	79:10	64:3	company 55:12
centerline 18:4	chairman 4:11	cleared 27:21	60:13 72:13
certain 58:3	53:2	62:21	comparison
certainly 35:25	chance 2:11	clerk's 7:7	76:9
36:9 39:1 41:9	4:12	<b>close</b> 43:14	compatibility
57:22 62:6	change 18:5	45:2 48:1	1:7 5:1 12:9
69:9 74:9,15	73:23	51:10 69:3	41:20 78:9
75:18,19,22	changed 14:9	<b>closer</b> 30:11,12	complaints
76:11,12	14:12	44:24 76:1	51:23
certificate 1:6	changes 14:19	<b>closing</b> 38:23	complete 78:4
4:25 12:8	chaplin 18:12	<b>code</b> 54:24	completed
66:14 78:1,9	43:7 74:20,23	<b>cole</b> 3:3 5:23	39:22 53:18
certification	75:2,17	10:12	70:2
49:12	characteristics	colleague 10:13	complex 35:17
certify 78:3	31:10	collectively	complexity
<b>chair</b> 1:17 2:3	characterizati	22:24	62:1
4:3,6 7:13,18	37:20 48:13	<b>color</b> 21:2	compliance
7:23 8:5,7,11	<b>check</b> 54:20	combination	49:15
8:13,16,21,24	checked 52:15	28:6 29:1,18	compliant 38:1
9:3,5,7,9,11,13	chipped 54:7	<b>come</b> 34:2,2	62:16 63:19,20
9:15,25 10:2	choose 68:8	67:10 70:8,16	64:15
11:8,11,25	chronicle 5:9	coming 19:9	complicate
13:3 16:7,10	circumvent	commence	65:21
31:14,19 42:10	38:22 39:6	47:20 77:17	

<b>comply</b> 48:11	considered	contractor	72:5,6
61:18,20 62:7	21:9 22:7,16	24:21 54:12	correction 14:2
63:18	65:24 66:9,11	controls 45:4,7	63:5
complying	68:15	45:11,16 46:5	correctly 58:7
47:12	consistent 25:3	47:20 48:3	69:1
compound 22:4	constitutes	65:3 68:5	correlated
24:3 37:12	26:3,11	convenience	64:22
38:6,11 39:4,6	constructed	7:8	correlation
40:16 41:23	20:13 40:4	convenient	76:16
44:16,25 61:16	73:18 75:1	7:10	corresponden
72:20	construction	<b>copy</b> 5:25	53:15
computer 4:19	1:8 5:2 24:18	<b>core</b> 20:24 21:4	corridor 25:1,3
78:4	24:22 39:21,22	21:9,15,18	25:4 74:25
concludes	40:13,15 46:3	22:7,11,13,15	75:5
69:11 77:14	47:18 49:24	35:14	<b>council</b> 1:3,12
condition 42:3	50:3 67:23	corporation	2:17 4:7,8 5:6
42:8 48:21	68:3 71:14	10:25 11:2	5:14,17 6:14
62:9 71:6	78:10	<b>corps</b> 25:5 44:6	7:1 9:18,22
conditions 33:4	consultation	44:7 45:18,23	10:4 12:17,19
conduit 59:18	47:5 49:25	46:8,14,17,22	12:21,25 16:13
confident 51:17	50:5 70:3	47:1,9 48:23	62:6 63:16
conflict 46:13	consultations	53:5 61:18	67:6 68:7
connecticut 1:2	53:8,25	63:21,21 64:5	77:16 78:7
1:3,10 3:5 4:7	<b>cont'd</b> 3:1	64:7,20 65:23	council's 5:7,9
4:22 5:5 54:24	contact 5:13	66:1,18,22,23	5:18 6:1,4,4
66:11 78:7,13	contacted 53:7	67:9 68:8	7:6 12:21
connecting	contain 23:11	correct 19:23	16:18 27:2
72:4	contained 15:3	20:16,17 21:19	councilmemb
conservation	15:18	21:20 23:3	2:2 50:20
12:15 23:21	context 35:11	27:14 36:24	<b>couple</b> 16:20,21
63:8 64:21	continue 31:15	46:17,18 58:7	24:21 25:12
consider 67:19	42:11 49:3	58:10,19 66:15	26:22 40:9
67:25 68:7	50:16 52:8,17	66:16 67:1,12	42:17 53:3
	70:5	67:13 68:11	69:19,20 73:8

[cover - directly] Page 7

<b>cover</b> 17:15	68:2 73:12	<b>day</b> 34:12	desiccate 39:2
18:5 33:20	customer 52:2	days 7:1 57:19	desiccating
coverage 17:7	customers	<b>dead</b> 25:22	38:15,15
17:13 18:15	18:18,18,21,22	60:15	design 11:1
19:22 20:9,10	43:23 51:16	<b>deans</b> 3:9 5:23	51:25 69:10
31:21,22,24	cutting 54:14	10:13	designed 55:8
32:6,15 33:11	<b>cvr</b> 78:17	decided 73:10	55:14
34:10 50:25	<b>cycle</b> 59:6	decides 54:6	designee 2:6,9
56:4,4,16,18,19	<b>cycles</b> 57:14	decision 9:16	4:8,11
56:23,25 57:3	d	dedicated	determination
57:5 74:18	<b>d</b> 1:16 11:14,14	32:22	66:2 70:7,8,16
76:3,5,10,15	11:18 46:2,3	<b>deep</b> 2:6 66:13	<b>determine</b> 70:6
<b>covers</b> 34:18	48:8,10 54:2	66:24 67:9	72:14
74:22	<b>daniel</b> 2:15	deficiencies	determined
<b>crane</b> 49:23	4:14	17:7	42:21
50:2	<b>dark</b> 14:5	deficient 74:21	development
created 21:22	<b>dash</b> 28:11	<b>definitely</b> 69:7	11:4 12:15
24:18	<b>dashed</b> 29:23	definition 25:4	22:1,2 41:1
creates 29:13	data 18:13,15	demarcated	difference
criteria 49:16	18:17 19:6,8	21:14	37:18
69:23	19:14,22 20:13	demarcates	different 56:19
critical 64:1	20:14 21:10,15	21:8	dimensional
<b>cross</b> 16:9,12	21:21 22:10	denser 51:10	29:14
31:15 42:12	23:2 29:10,12	density 29:8	direct 28:17
49:4 50:16	33:8 40:18	30:16 51:6	40:20 44:22
52:8,17	43:6,10,22	department 4:9	45:1 60:18
crosses 30:2	56:5 74:21	<b>depend</b> 57:16	65:17
cultural 53:17	75:4,21 76:1,4	dependent	directed 60:22
curiosity 50:23	76:13,15	56:11 57:13	directional
current 31:7	date 5:7,13 7:2	depends 58:5	25:4 34:24
55:25 60:13	70:9,17	60:1	35:5,8,23
65:21	<b>dated</b> 7:17	depiction 22:25	directly 27:25
currently 21:14	12:10	deposited 7:7	43:25 44:1
23:8,8 67:25			45:12 48:3

	I	I	
52:1 64:8,22	<b>drier</b> 26:15	62:11 75:15	<b>emily</b> 3:9 5:23
75:15	40:6	edeans 3:10	10:13
director 2:22	<b>drive</b> 24:1	<b>edge</b> 22:6,16	encroach 68:16
4:15 11:21	30:24 71:1	edges 69:4	encroaching
<b>dirt</b> 62:25	driveway 28:1	<b>edification</b> 66:6	61:15 68:17
discretion 6:14	30:25 31:1	<b>effect</b> 17:21,23	energy 4:10
discussion 8:2	70:23 71:5,18	38:3 39:10	engineer 10:19
8:3,4,6,9,12,14	71:20,23	41:13,16,17	10:22
8:15,18,20,22	<b>drop</b> 18:20	effectiveness	engineering
8:23,24 61:16	dropped 33:9	13:2	11:4
67:3	42:25 43:7,9	<b>egg</b> 23:14,15	engineers 25:5
dispersal 24:8	51:22 54:8	39:25 40:8	44:6,8 46:10
35:21 36:3	<b>dry</b> 40:6	<b>eight</b> 61:11	46:23 65:23
dispose 54:7	<b>duct</b> 71:18	68:14	<b>ensure</b> 39:22
disposed 54:11	<b>due</b> 49:17	<b>either</b> 7:2 30:3	57:15
distant 19:13	<b>duly</b> 11:20	53:19,23 71:10	<b>entire</b> 19:9 26:3
	1 4 5 6 00	1 4 4 1 1	1610611
distinction	<b>duty</b> 56:23	elect 4:11	46:13 64:4
distinction 63:18	duty 56:23 dykes 4:9	elect 4:11 elements 24:20	46:13 64:4 entirely 48:18
63:18	dykes 4:9	elements 24:20	entirely 48:18
63:18 <b>diverse</b> 23:18	dykes 4:9  e e 1:16,16,16 2:1	<b>elements</b> 24:20 48:18	entirely 48:18 envelope 37:14
63:18 diverse 23:18 diversity 36:14	e 1:16,16,16 2:1 2:1 3:1,1 7:2	<b>elements</b> 24:20 48:18 <b>elevation</b> 18:1	entirely 48:18 envelope 37:14 41:24 61:17
63:18 diverse 23:18 diversity 36:14 dixon 78:17	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15	elements 24:20 48:18 elevation 18:1 28:15 29:2	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents 10:5	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21 67:23 71:2,17	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13 eliminated 69:6	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25 12:9 20:22
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents 10:5 doing 71:11	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21 67:23 71:2,17 72:21 74:19	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13 eliminated 69:6 eliminating	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25 12:9 20:22 22:22 23:4
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents 10:5 doing 71:11 73:11 double 56:22 dozens 34:15	e e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21 67:23 71:2,17 72:21 74:19 75:3	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13 eliminated 69:6 eliminating 45:13 48:4	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25 12:9 20:22 22:22 23:4 24:23 41:20 52:13 78:9 equal 57:1
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents 10:5 doing 71:11 73:11 double 56:22 dozens 34:15 dr 2:14 4:13	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21 67:23 71:2,17 72:21 74:19 75:3 easement 44:17	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13 eliminated 69:6 eliminating 45:13 48:4 elizabeth 10:17 79:2 emergency	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25 12:9 20:22 22:22 23:4 24:23 41:20 52:13 78:9 equal 57:1 equipment 1:9
diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents 10:5 doing 71:11 73:11 double 56:22 dozens 34:15 dr 2:14 4:13 8:17,19 9:11	e e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21 67:23 71:2,17 72:21 74:19 75:3 easement 44:17 74:6,10,15	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13 eliminated 69:6 eliminating 45:13 48:4 elizabeth 10:17 79:2	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25 12:9 20:22 22:22 23:4 24:23 41:20 52:13 78:9 equal 57:1 equipment 1:9 5:4 71:15
63:18 diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents 10:5 doing 71:11 73:11 double 56:22 dozens 34:15 dr 2:14 4:13 8:17,19 9:11 9:12 52:9,18	e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21 67:23 71:2,17 72:21 74:19 75:3 easement 44:17 74:6,10,15 east 24:12 28:7	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13 eliminated 69:6 eliminating 45:13 48:4 elizabeth 10:17 79:2 emergency 57:18 60:2 emergent 26:6	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25 12:9 20:22 22:22 23:4 24:23 41:20 52:13 78:9 equal 57:1 equipment 1:9 5:4 71:15 78:12
diverse 23:18 diversity 36:14 dixon 78:17 docket 1:5 78:8 dockets 53:24 documents 10:5 doing 71:11 73:11 double 56:22 dozens 34:15 dr 2:14 4:13 8:17,19 9:11	e e 1:16,16,16 2:1 2:1 3:1,1 7:2 11:14,14,14,15 11:19 earlier 61:15 65:2 67:3,21 67:23 71:2,17 72:21 74:19 75:3 easement 44:17 74:6,10,15	elements 24:20 48:18 elevation 18:1 28:15 29:2 55:23 elevations 29:13 eliminated 69:6 eliminating 45:13 48:4 elizabeth 10:17 79:2 emergency 57:18 60:2	entirely 48:18 envelope 37:14 41:24 61:17 62:12 63:25 65:9 environmental 1:7 4:10,25 12:9 20:22 22:22 23:4 24:23 41:20 52:13 78:9 equal 57:1 equipment 1:9 5:4 71:15

[erected - file] Page 9

erected 5:10	excavation	extension 44:18	<b>fcc</b> 50:10 55:19
erection 50:1	73:13	extents 26:11	70:6
<b>erosion</b> 45:3,6	exceeds 49:17	<b>extra</b> 76:18	feature 62:2
45:11,16 46:5	excuse 74:25	<b>eye</b> 28:18,20	65:25 73:19
47:19 48:2	executive 2:22	f	federal 55:18
68:5	4:15 11:21	<b>f</b> 1:16 11:17	66:10 69:22
especially	exhibits 12:2,4	<b>faa</b> 14:6 49:11	<b>feds</b> 55:17
17:13	12:5,11,16	49:15 50:5,10	<b>feel</b> 41:21 52:21
<b>esq</b> 2:21 3:6,9	13:1,6,23 15:3	50:13 55:22	63:13
<b>esquire</b> 5:22,23	15:18 16:8,11	70:5	<b>feels</b> 62:6 63:16
essentially	existing 10:5	<b>facility</b> 1:9 5:3	63:17
20:23 41:15	43:22 44:21	5:13 22:14	<b>feet</b> 22:1 26:13
established	59:20 62:23	24:13 78:11	28:16 37:23,23
63:24	70:23 71:5,18	fact 22:4 44:20	38:4,6,24 39:2
estate 10:17	71:22,23 72:4	63:4	55:12,13,14,18
evaluation	72:20 74:23	factored 51:8	55:19 61:12,13
49:15	75:17	<b>factors</b> 63:1,10	61:20,25 62:7
evening 54:25	exists 31:6	<b>fair</b> 37:20	62:11 63:12
<b>event</b> 73:11	<b>expanded</b> 17:2	48:12	64:14 68:21,22
everybody	expansion	<b>fairly</b> 23:16	68:23 69:1,8
52:11	55:16	36:21 71:5	71:7
evidence 73:6	expect 51:3	72:16 73:7	<b>fellow</b> 50:20
evidentiary	61:24 73:22	<b>fall</b> 26:15	females 40:9
1:13 6:9,10,13	experience	familiar 60:10	<b>fence</b> 45:3
78:7	47:25	64:25	71:10 74:2,12
exactly 71:11	expires 78:18	<b>far</b> 10:16 36:16	fences 71:15
examination	explain 32:4	38:20 49:16	fencing 70:22
16:9,12 31:15	<b>extend</b> 30:5	<b>farm</b> 62:25	<b>fiber</b> 59:14,19
42:12 49:4	55:11	73:18	59:21,21,25
50:16 52:8,17	extended 55:14	farther 30:19	60:17,19,20,22
79:6	57:21	<b>fast</b> 33:1	60:25
examined	extending 31:1	<b>favor</b> 57:5	<b>file</b> 47:3 65:6,6
11:21	extends 24:1		66:12,18,23
	28:1 70:21		67:19

[filed - going] Page 10

<b>filed</b> 12:10,17	49:4 50:17	frankly 45:25	56:14
12:19,21 67:16	52:9,18	62:19	generally 21:8
<b>filing</b> 12:11	following 62:23	<b>free</b> 20:6	25:21 26:2,10
66:20	follows 5:21	freeze 19:3	26:13 44:25
<b>filings</b> 14:10	11:22	friends 6:23	62:23
<b>fill</b> 20:9 32:21	<b>followup</b> 50:22	<b>frog</b> 23:15 24:5	generator 57:7
33:13,14,15	76:25	24:7	57:9,10,14,21
<b>fills</b> 31:25	<b>font</b> 14:13	<b>frogs</b> 35:2 37:6	57:24 58:21
<b>final</b> 46:4 70:16	fontaine 2:24	38:12,13 39:14	59:8
financial 7:17	4:17	41:2	generators
<b>find</b> 25:14 46:5	<b>foot</b> 22:5 37:13	<b>fuel</b> 57:6,20,22	58:7
<b>first</b> 31:20 35:7	37:14,24 40:5	58:1,3 59:6	gentlemen 4:3
41:22 53:3	41:24 62:14	<b>full</b> 16:8 44:17	getting 20:2
64:8 69:21	63:25,25 64:5	<b>fully</b> 37:9 44:12	29:15 38:16
71:7	64:8	<b>functions</b> 31:24	39:14 43:14
<b>fit</b> 36:13 45:5	<b>foregoing</b> 78:3	<b>further</b> 52:6,12	<b>gis</b> 29:9 44:14
47:3,15	foregone 66:4	65:20,20 77:3	give 55:24,25
<b>five</b> 16:22,23	<b>forest</b> 20:24	77:5,9,11	<b>given</b> 7:3 17:25
16:25 18:21	21:4,4,7,9,10	<b>future</b> 14:10,14	23:25 51:9
23:15 37:23	21:13,15,18	g	glidden 10:17
40:8 43:11,14	22:6,8,11,13,15	<b>g</b> 11:14,17	13:9,10,24,25
61:20,25 62:7	22:16 34:3	56:15 78:17	15:5,6,20,21
62:11,14 63:12	forested 35:14	gallons 57:7,8	79:2
75:5	forester 10:24	57:16 59:6,8	<b>go</b> 16:19 19:4
<b>flexed</b> 37:15	forget 56:3	59:10	27:20 34:21,22
flexibility	<b>form</b> 46:25	<b>gap</b> 31:25	35:5,8 44:12
46:11 47:23	47:14 64:11	34:14,18	60:3 68:14
<b>flip</b> 25:11	<b>found</b> 24:4	gaps 33:13,14	69:14 71:23
<b>flooding</b> 37:1	53:23	33:15 56:16	74:3 75:8
<b>follow</b> 53:8	<b>four</b> 12:4 33:19	gas 61:6,9	<b>goat</b> 72:21
69:15,17 70:5	42:20,24	gauge 58:2	goes 59:14
76:20,21	fragmentation	general 4:22	<b>going</b> 16:17,19
followed 16:14	21:10	46:22 47:3,12	16:21 18:8
31:16 42:12		- 7	25:11 26:25

[going - high] Page 11

32:17,19 35:3	government	21:5,5,20 23:6	49:5 50:17,18
38:7 39:1	55:18	23:6 24:9,9	50:19 51:21
40:10 45:25	<b>gp</b> 64:15	25:7,8,17,24,24	52:5,7 77:4,5
55:7,17,18	<b>gps</b> 19:3	26:1 35:10,10	79:9
60:5 62:14	<b>grant</b> 7:20	36:9,23,23	halloween
65:5 69:21	<b>grants</b> 66:20	37:19,19,22	60:11
70:19	graphical	38:18,18 39:16	hampton 43:8
golembiewski	44:15	39:17 41:9,10	<b>hand</b> 11:13
2:5 4:8 8:3,4	gravel 24:6	42:5,5 44:9,9	handful 41:2
9:1,2 16:14	<b>graze</b> 73:10	44:11,11 45:24	handle 19:7
31:16,18,19	grazing 72:22	45:24 46:18	hanging 20:3
33:10 34:9	73:2	47:10 48:9,12	happening 20:1
36:8,18 37:11	great 49:9	48:25 49:21,21	happens 33:3
37:21 38:9	61:10	53:4,7,12,12	54:8
39:12 40:24	green 14:5 32:3	61:22,22 63:23	<b>hard</b> 31:25
41:18 42:9	37:6 48:22	65:12 66:16	hartford 3:5
50:22 51:9	76:4,6	67:1,13,22	hauled 54:16
76:20,21 79:8	ground 18:1	68:11,19,19	<b>head</b> 41:25
<b>good</b> 4:3 7:13	21:23	73:3,3,16,16	<b>health</b> 39:10
8:6,7,8,9,11,12	<b>guess</b> 20:11	79:4	<b>hear</b> 71:17
8:14,15,17,19	30:11 32:5	h h	<b>heard</b> 31:22
8:21 9:24,25	33:10 34:21,24	<b>h</b> 1:16 3:6	hearing 4:4,21
10:11 13:3	35:6 37:17	11:14,19,19	5:8,13 6:2,3,7
16:15 31:18,19	38:12 39:3	habitat 21:4,7	7:5 9:20 12:5,6
32:25 42:14,15	40:20 41:18	21:13 23:23	13:7 77:15,18
42:15 43:18	42:2 59:7,11	35:18 36:1	78:7
49:6,7,7 50:18	guide 6:4	64:1	heavily 28:22
50:19 52:10,11	guidelines 38:1	habitats 36:7	28:22
52:15,19,20,25	63:9 64:18	36:11	<b>height</b> 17:17,25
53:1,2 61:4	<b>gust</b> 54:18 55:1	half 17:2,4,7	55:8,25 56:1
68:12 69:10	gustafson	hall 2:12 4:13	<b>held</b> 4:21 78:13
71:6 76:23	10:23 13:15,16	7:20,23,25	hereof 7:2
77:13	14:20,21 15:11	8:11,12 9:7,8	<b>high</b> 28:16 37:4
	15:12 16:1,2		76:13
	Candana Cala & Duga		

higher 35:17	identified	include 12:8	informative
40:1 42:24	24:11	22:2 67:20	40:23
51:3 55:23	<b>image</b> 26:3	68:9	infrastructure
56:1	28:12	included 12:16	37:4
highest 17:14	immaterial	26:23	initial 17:1
<b>highly</b> 40:1,17	65:16	includes 24:20	70:7
<b>hill</b> 30:17,20	immediate	39:21	injured 38:17
<b>hired</b> 54:12	20:14	including 5:14	<b>inland</b> 12:13
historic 53:14	immediately	6:19 12:11	install 48:2
historical 53:17	10:18,21	inconclusive	installation
historically	<b>impact</b> 18:22	40:18	47:19
66:3	19:3 21:7,13	incorporated	installed 45:7
<b>hit</b> 51:2	38:6 41:1	11:5	installing 51:1
home 72:20	50:24 63:3	increase 18:4	instructions
hopefully 50:12	64:8,24 65:19	19:22 20:13,14	6:2
<b>hoping</b> 17:9	73:23	75:4,22 76:2	interaction
horizon 51:12	impacted 39:23	increased 33:9	32:10
host 22:20	impacting 50:6	independently	interacts 32:1
<b>hour</b> 54:19,20	50:10	58:11	intercepted
54:25	impacts 24:17	<b>index</b> 79:1	36:5
house 28:14	33:7 44:22	indicate 18:15	interested 6:6
<b>houses</b> 34:13	45:1,14 48:4	indicated 42:19	25:16
hundred 37:13	48:15 64:5,11	44:5 46:15	interpret 68:25
37:14,24 41:24	65:16,18	indicators 18:9	interrogatories
61:13 63:25	impediment	indirect 45:13	12:21 16:18,20
68:21,23 69:8	24:7,15 38:25	48:4 64:11,13	25:12 49:11
hydrology	<b>implies</b> 47:2,15	65:18	55:7 72:25
36:25 40:2	important 62:8	individual	interrogatory
i	63:17	19:17	14:3 16:22
idea 40:25	improve 43:9	industry 43:17	22:18 44:3
identification	43:10	<b>inform</b> 5:11	interveners
12:23	improved 34:8	information	5:20 6:19
14.43	improvement	5:14 15:2,17	intrusions 22:1
	42:23 62:4	18:14	

inundation	jonathan 3:6	36:15 38:22	76:6,11
26:13,17	5:22	40:11 41:20	knowledge
investigation	joseph 11:3	46:1 56:14	15:4
70:8	79:5	62:25 74:24	known 53:20
investigations	<b>jr</b> 2:15 4:14	know 19:12,12	kw 59:8
73:4	jschaefer 3:7	21:1,15,21	1
involved 53:11	judgment	24:3,13 26:4,9	1 1.16 11.14 14
isolated 65:25	35:13 36:12	26:12,14 27:2	1:16 11:14,14
66:7	<b>july</b> 5:9 7:17	28:19 29:12,22	11:16,18 <b>label</b> 20:24
<b>issue</b> 17:12	12:18	30:24 32:6,6	labeled 21:6
34:21 47:4,17	juncture 7:10	33:10 34:12,13	lack 34:9 57:2
<b>issued</b> 66:14	<b>june</b> 5:6 12:10	34:16,17,23	ladies 4:3
issues 17:8	jurisdiction	35:3,4 36:19	lag 18:23
43:15 51:18	45:18 64:6,7	37:8,10,22	land 21:4,7,13
75:2,20	64:22 66:5,24	38:4,9,15,16,25	33:17
items 9:19,21	67:7	39:6 40:3,11	landfills 54:8
9:22 10:3 13:8	jurisdictional	41:5,10,11,11	landino 10:25
$\mathbf{j}$	64:2 65:24	41:12,14,15,17	13:17,18 14:22
<b>j</b> 11:19,19	66:2,10	41:19,19,21,22	14:23 15:13,14
joe 54:21 71:3	<b>jut</b> 74:2	41:23 44:14,20	16:3,4 27:12
71:12	k	44:23 45:13,22	27:12,19,24
<b>john</b> 1:17 2:3	<b>k</b> 11:15,18	47:11,14,18	28:3,5,21 29:7
4:6 10:12	katie 4:9	50:2 51:21	29:9 30:7,22
78:13	keep 45:11	53:7,25 56:9	79:4
johnston 11:3	kemp 27:6,14	56:16 57:14	landowner
13:19,20 14:24	30:1,8,19	59:7 60:3,12	54:14 73:10
14:25 15:15,16	khristine 2:12	61:24 62:1,14	<b>large</b> 41:5
16:5,6 54:21	4:13	62:15 63:2	largely 64:21
54:21 55:4	<b>kind</b> 22:5,21	64:8,23 65:20	<b>larger</b> 14:13
71:3,4,12,12	23:22 26:5,9	66:5 68:21	35:12,14,21
79:5	28:11,23,24	69:2,5,24	36:17 41:5,6
<b>join</b> 6:6,24	29:13,15 31:23	70:21 71:9	<b>lasted</b> 57:18
	35:23 36:7,13	72:16 73:7	
		74:21,22 75:9	

[lastly - main] Page 14

<b>lastly</b> 12:20	38:20 47:22	llc's 7:15	<b>lot</b> 32:2,9 33:10
<b>law</b> 5:19	48:17 55:25	<b>llp</b> 3:3 5:23	50:22 57:20
lawn 21:17	57:20 60:8	loading 20:4	60:9,9
<b>lay</b> 46:4	65:23 66:6	locally 53:19	<b>low</b> 23:16
layer 21:8,15	73:18,21	located 1:10	24:14 36:13,14
21:21 22:10	<b>limit</b> 60:18	5:4 25:21	36:21 39:25
<b>layout</b> 37:12	limited 60:7	28:14 53:20	40:7
<b>lead</b> 66:5	63:3	78:12	<b>lower</b> 26:17
<b>lease</b> 7:16	<b>limits</b> 38:11	location 17:8	42:25 51:20
<b>left</b> 10:16,19	line 28:2,8,10	21:24 45:5	<b>lowest</b> 46:21
25:22 26:6	29:16,23 30:2	51:1,9 61:9	63:8
30:4 63:14	30:20 59:14	logjam 32:8	<b>lynch</b> 2:15 4:14
70:24	60:15 69:9	<b>long</b> 17:22 33:7	7:22,24 8:2,21
legal 5:7	<b>lines</b> 72:9,16	47:3,11,15	8:23 9:13,14
<b>legend</b> 21:1,3	<b>lisa</b> 2:24 4:17	59:24 64:4	52:18 53:1,2
<b>legible</b> 14:5,11	list 52:15	<b>longer</b> 18:25	54:4,17 55:2,5
14:14	<b>listed</b> 12:4,5	64:15 75:23,23	55:17 56:2,15
<b>level</b> 19:16,17	13:6 18:11	look 17:13,14	56:24 57:6,24
28:18,20 56:7	20:15	26:25 27:16	58:6,15,17,20
58:3 66:10	listen 6:7	34:25 35:15	59:12,24 60:10
76:6	listening 6:23	37:11 41:8	60:24 61:2
levels 23:12	<b>little</b> 14:10	49:10 51:15	77:10,11,12
32:11	18:24 26:17	<b>looked</b> 61:12	79:10
<b>lidar</b> 29:6,10	28:12,25 30:13	looking 21:16	m
29:11	30:16 40:6	23:1 26:4 27:3	<b>m</b> 11:15,17
<b>lieu</b> 34:12	41:18 65:2	28:19 29:21	46:2,3 48:8,10
<b>life</b> 65:1	69:15	33:16,24 35:13	54:2 78:17
<b>light</b> 48:22	livestock 62:22	41:19 47:7	made 14:13
69:25	72:22 73:1,2,5	49:14 70:10	50:25 56:12
lighting 14:7	73:6,11,19	71:8 73:25	72:25 73:13,15
70:1,11	<b>llc</b> 1:6 3:2 4:25	looks 28:23	mail 7:2,2
<b>likely</b> 35:12,16	5:21 10:14,22	35:8 37:14	main 33:20
35:19 36:2,13	12:10 78:8	<b>lost</b> 27:3 38:16	60:20
36:15 37:4,8			00.20

	55 11 50 O	14, 10.10	77.70.14.17
maintain 31:7	75:11 79:3	megabit 18:19	75:7,9,14,17
maintained	marked 9:20	18:20 19:2	76:3,17 79:7
31:11	21:3 28:10	megabits 18:13	merits 5:18
maintenance	30:2	18:21 42:25	metapopulati
1:8 5:2 31:3	marking 14:7	43:12,19	35:12,21 36:4
58:6,13 78:10	70:1,12	megahertz	36:17
majority 22:12	<b>masses</b> 23:14	31:22	methodology
<b>make</b> 6:17 7:20	23:15 39:25	melanie 2:21	21:25
17:17 37:18	40:8	4:16	<b>middle</b> 26:7,10
38:14 39:14	material 71:15	member 5:17	26:14 33:18
40:24 63:4	<b>matt</b> 41:10 42:5	5:18	74:7,14
67:3	49:21 61:22	members 4:7	migrating 39:4
makes 62:8	68:19 73:16	4:15 6:16,20	migration 36:6
man 72:25	<b>matter</b> 6:2 7:21	mentioned 25:2	39:1 41:1
73:13,15	matthew 10:23	29:20 72:22	migratory
man's 33:17	21:5 23:6 24:9	<b>mercer</b> 76:19	24:15,25 25:3
management	25:8,24 35:10	mercier 2:18	39:8
25:6	36:23 37:19	4:16 16:14,15	mile 17:2,3,4,7
manmade	38:18 39:16	16:16 17:24	54:25
41:21	44:9,11 45:24	18:7 19:8,20	<b>miles</b> 19:13
<b>map</b> 20:22 21:7	53:12 73:3	20:11,18 21:16	27:18 54:19,19
21:13 24:3	79:4	22:17 23:24	<b>mind</b> 73:22
27:1,4 28:9,15	mean 32:16	24:24 25:10,18	minute 7:9
29:19 34:22	34:13 43:1	25:25 26:21	minutes 59:9
44:14 76:15	72:24 74:4	27:16,20 28:1	mitigated
mapping 29:5	75:18 76:5	28:4,9 29:4,8	24:19
44:14	means 32:17	29:19 30:21,23	<b>model</b> 29:14
maps 31:21,22	measure 71:16	31:12,14,23	moderately
33:12 74:19	measured	34:23 42:18	26:5
76:3,5,10	19:14,15 43:21	69:17,19 70:10	modification
<b>mark</b> 10:19	43:22	70:18 71:8,17	18:1
17:10 32:12	meeting 1:12	71:20,24 72:3	modifications
43:2 51:12	78:6	72:7,18 73:10	13:22 15:2
56:6,20 75:6		73:25 74:17	

mohicans	11:19,19	<b>nepa</b> 54:1	<b>notary</b> 78:18
53:10	name 4:6 5:12	nevermind	<b>note</b> 6:18,22
monitor 24:23	47:2,14	56:2	49:16 65:10,13
67:11	narragansetts	new 31:9 32:21	<b>noted</b> 21:6,13
monitored 58:2	53:10	59:19,21 72:16	23:25 45:15
monitoring	national 53:19	75:19	<b>notes</b> 78:5
24:23 39:13,21	native 53:9	nguyen 2:8	<b>notice</b> 5:7 6:2
40:12 42:2,3,7	natural 61:6	4:10 8:5,6 9:3	18:23,24 49:16
67:4,14,20,23	<b>nature</b> 40:1,17	9:4 31:17	49:17,17 55:24
68:2,10	navigable 66:8	42:12,14,15	69:23 70:3
morissette 1:17	near 71:25	43:11,21 44:2	noticed 9:23
2:3 4:6 7:14	nearby 53:20	44:10 45:22	notices 9:18
10:1 11:11	necessarily	46:15 47:7	10:4
16:7 61:3	19:18 32:6,16	48:6,10,20	notification
78:14 79:10	46:16 65:5	49:1 76:24,25	47:14 64:10
<b>motion</b> 7:11,12	necessary	79:8	november 1:13
7:15,16,19,20	45:20 48:22	<b>nine</b> 26:24	4:5 78:14
7:25 9:16	<b>need</b> 1:7 5:1	<b>noise</b> 16:24	number 5:15
move 8:2,25	12:9 20:10,10	<b>non</b> 64:2 65:24	16:22,22,25
9:17 10:5	33:19 34:8	66:8	25:2,15,19
17:16 18:8	45:7,23,25	<b>north</b> 24:12	26:24 42:18
22:18 30:18	46:20 48:4,21	35:5,9,24	44:2,3 49:10
34:20 51:6	57:21 58:13	36:10 37:15	61:11 68:14
61:19,20 74:4	64:13 65:5,6	39:5 61:13	numbers 39:25
moving 44:2	65:10 78:10	63:1 68:21,23	40:7
61:11,12,25	needed 45:16	69:8	numeral 9:20
62:7 72:18	58:1,21	northeast 27:5	12:6 13:7
74:15	needing 46:13	27:6,8,16,20	0
<b>mps</b> 75:10 76:6	71:6	28:5 30:19	<b>o</b> 1:16 11:17,18
<b>mute</b> 4:19	needs 48:6	northwards	11:19,19,19
n	negative 41:17	24:1	oath 10:8,9
<b>n</b> 2:1 3:1 11:14	neighbors 6:24	northwest 34:4	11:22
11:16,17,18,18	neither 23:22	35:9	

	I	1	
objection 9:22	20:11 21:16	operation 1:8	overestimating
10:1	22:17 23:24	5:2 57:15	22:11
objective 43:12	26:21 28:14	78:11	overhead 71:22
obligate 23:9	29:4,19 30:21	<b>opinion</b> 23:7,19	72:3,9
23:23	33:10 34:20	24:10 36:2	overlaid 44:16
observed 23:13	36:8,18 37:11	38:2 39:18	overlap 32:3
obstructed	37:21 38:9	62:3,13	44:19 46:6
29:17	39:12 40:24	opportunity	overnight
obstructing	41:8 42:9 49:1	23:22	57:19
28:8	52:5 60:10	<b>optic</b> 59:14	own 59:3
obstruction	61:10 63:20	<b>option</b> 69:6	<b>owner</b> 31:7
38:11 69:25	64:25 66:12	options 48:2	54:5,11
70:11	67:2,18 68:6	<b>order</b> 4:4 7:16	р
<b>obtain</b> 48:21	68:12,12 69:7	7:21 8:1 9:17	<b>p</b> 2:1,1,15 3:1,1
obviously	69:11 70:10	45:5 56:10	4:14 11:16,19
19:21 23:17	71:8,17,24	59:6	54:23
56:11	72:3,7,18	orientation	<b>p.m.</b> 1:14 4:1,5
occur 45:19	73:25 74:17	17:18 18:4	6:8,11,15 7:10
occurred 54:1	76:17 77:14	<b>origin</b> 23:10	77:16,22
occurs 54:2	<b>old</b> 64:15	35:20 37:2	page 27:1,2
58:25	once 18:16,20	40:3 62:20	28:16 46:25
october 12:19	18:20 19:5,5	original 78:5	69:23 70:10
12:22 16:19	20:12 43:13	<b>outage</b> 60:3,7	79:2
25:20 26:14	59:9	outages 60:4	' - ' -
60:4,10	ongoing 67:4	outlying 36:16	<b>pages</b> 18:23 78:3
<b>offer</b> 11:6	72:23	outside 17:6	<b>panel</b> 10:7,15
12:23 13:23	<b>onset</b> 26:16	32:14 37:15,24	13:1,5 42:10
16:7,8	<b>open</b> 32:18	44:25 46:12	42:16 49:1
<b>office</b> 7:7 53:14	74:9,15	62:11 63:12	61:4
offload 57:5	opening 18:23	67:7	
offsets 32:5	operate 57:8	overall 17:23	<b>parcel</b> 22:20 61:15 68:16,18
<b>oh</b> 27:3,24 56:2	operated 58:17	27:1,17 29:20	68:24 72:7
<b>okay</b> 17:24	operating	70:20	00.24 /2./
18:7 19:20	59:16		

[park - pool] Page 18

<b>park</b> 34:4	70:15 71:19,19	persons 6:6	please 4:19
<b>part</b> 24:19	71:21,21,25	pertains 20:19	6:11 11:9,12
53:16 66:14	72:6,10,10	49:23 50:1	12:1 13:3 14:5
67:15,15 68:9	74:8,8 79:3	<b>phase</b> 46:3,4	pleases 12:25
participate	<b>pdf</b> 27:2	54:3	<b>point</b> 17:14
6:21	<b>pe</b> 11:3	phases 51:4	19:5 21:24
particular	people 33:20	<b>phone</b> 5:15	41:12 44:23
17:24 19:10,25	34:12 75:25	<b>photo</b> 25:15,18	45:19 46:7
20:8,12 27:11	percent 14:8	25:19 26:7,10	50:25 53:13
33:25 39:24	60:16	26:12,19,25	67:2 68:3
50:24 51:8	percentage	photograph	pointed 51:9
52:4 54:13	56:19,21	27:17	<b>points</b> 10:24
parties 5:20	perforation	picture 26:2	11:1 27:13
6:18	22:6	pictures 25:13	69:20
<b>past</b> 65:1 66:3	performance	25:14	<b>poking</b> 26:20
pathway 47:22	18:9,17	<b>place</b> 31:7 43:5	<b>pole</b> 55:3 71:25
pathways	period 33:7	48:10 53:16	72:4
35:24 36:10	36:6 57:22	59:15,18 60:14	<b>poles</b> 72:14
39:9	permanent	placed 45:16	<b>policy</b> 55:13
patterns 51:16	66:9 68:3	places 51:2	<b>pond</b> 73:18
paugussetts	<b>permit</b> 44:6,10	placing 71:14	<b>pool</b> 23:3,5,13
53:9	45:23 46:14,17	<b>plan</b> 12:15	23:14,23 24:2
<b>paul</b> 10:21	46:20,21,22	24:20 39:20	24:5,12,16
13:13,14 14:18	47:4,5,8,12,17	48:8,10 55:11	25:20,21 26:2
14:19 15:9,10	48:7 65:15	55:16 60:12	26:11 34:21,25
15:24,25 31:4	67:16	70:19,20 72:19	35:1,6,18 38:3
31:4 50:7,7,14	permits 53:5	73:25	38:8 39:5,11
54:9,9 55:9,9	permitting	planning 51:4	39:15,23 41:5
55:20,20 57:11	45:21 46:8,16	64:21	41:24 52:13
57:11,25,25	46:21 47:21	<b>plans</b> 45:10	61:17,20 62:2
58:9,9,16,19,23	64:17	59:15	62:5 63:3,25
58:24 59:17,17	person 6:12	plateaus 28:24	65:9 67:8
59:25 60:16,25	personal 36:2	<b>play</b> 51:6	72:24 73:15,17
61:8,8 70:4,4	38:1 39:18		73:24

## [pools - purposes]

<b>pools</b> 22:20,21	preparation	process 46:24	protection 4:10
22:25 23:7,10	13:6	54:2 65:1,16	24:20 39:20,20
23:21 25:6,13	prepare 13:5	65:21,25 66:4	protective 7:16
35:11,19 36:4	prepared 5:25	66:15	7:20 8:1 9:17
36:5,12,15,16	present 10:7	productivity	provide 33:24
36:22,25 37:5	26:19 59:2	35:18 36:13	provided 20:25
40:2,3,14,16	presented 19:8	professional	21:2 57:4
52:22 62:19	preservation	23:7,19 24:10	provider 60:1
63:6,7,23	53:14	35:13 62:3,13	60:23,25
64:12,22	president 11:3	program 9:20	providers
<b>poor</b> 20:2,2	presume 61:7	12:5,6 13:7	60:17
33:4	<b>pretty</b> 31:24	<b>prohibited</b> 5:19	provides 63:13
<b>portion</b> 52:1,2	57:1	project 10:22	providing 57:4
portions 44:13	previous 28:16	47:16,23 48:8	provisions 4:22
positioning	previously	48:19,20 53:17	proximate
46:5	38:10 62:22	54:3 63:2 64:6	44:24 53:23
possible 17:15	63:5	projects 47:25	proximity 37:3
35:25 74:4	<b>prime</b> 17:8,20	properly 24:18	45:2 48:1
<b>post</b> 67:23	<b>prior</b> 26:15	57:15	52:22
posted 7:6	priority 34:18	property 27:4	<b>public</b> 1:7 4:4
potential 24:17	<b>probably</b> 22:10	28:2,17,25	4:12 5:1,8,12
30:9 35:16,24	30:10,15 34:11	29:23 31:7,8	5:13 6:2,3,3,7,7
36:10 40:1	38:10 48:7	54:11 69:9	6:11,13,15,16
45:1,6,17	59:9 73:1	propose 67:14	6:21,24 7:4,5,8
46:13 48:14	<b>problem</b> 46:16	proposed 5:11	12:9 77:17,18
potentially	48:23 67:6	17:1,6,21	78:10,18
37:1 69:4	problems 43:6	19:21,22 22:14	publication
practices 25:6	procedure 4:24	23:25 24:6,11	12:17
predation 37:5	procedures 6:5	24:19 41:23	published 5:8
predatory 37:6	proceed 5:24	44:16 48:19	<b>pull</b> 45:23
preliminary	11:9	75:1	59:19,21
53:16,22	proceeding	proposing	<b>pura</b> 2:9
premature 48:7	5:20 15:19	39:19 44:20	purposes 10:8
		45:3 68:1,2	12:23 66:6

	50.6 10 14 00	76.7	
pursuant 4:21	52:6,12,14,22	76:7	registered
<b>push</b> 62:11	53:3,4 61:3	reason 30:15	10:23
64:16 68:24	69:15,18 76:18	61:14	regular 57:15
<b>pushing</b> 69:3	76:20,22 77:3	reasons 42:1	regulated
<b>put</b> 22:9 43:5	77:5,12	69:5	65:22
51:5 65:3	quickly 69:14	received 5:5	regulations
<b>puts</b> 29:9	<b>quite</b> 37:6	6:8	12:13,14
<b>putting</b> 74:10	57:23 60:5	recently 73:7	regulatory 4:12
74:11	r	recess 6:10	10:17
q	<b>r</b> 1:16 2:1 3:1	77:16	reit 10:22
quality 66:13	11:15,15,15,16	recommend	relabeled 21:12
66:24 73:14	11:18	68:7	relates 61:25
quantities	radiofrequency	reconnect 19:4	relating 61:6
23:16	10:19	<b>record</b> 5:16 6:1	relatively 66:8
<b>quarter</b> 17:3	radius 17:2,3	6:17 61:6	relevance
quarter 17.3 quat 2:8 4:10	35:4	67:15	18:14
quat 2.8 4.10 question 14:3	rains 26:16	redundancy	reliable 33:2
<del>-</del>	raise 11:12	60:20	reminder 5:16
17:11 20:12,19		redundant	remote 1:12
20:20,23 21:11	raised 17:25	59:18	21:22 78:6
22:10 25:14	rate 36:21	<b>refer</b> 70:19	removal 31:3
30:23 31:20	rating 23:20	reference 26:12	54:5 68:4
40:21 42:18,22	64:17	28:4	remove 54:12
49:10,22 50:1	rc.com 3:7,10	referencing	removed 6:12
53:6 54:18	reach 28:24	14:3 24:3	repaired 59:21
59:4,13,13	44:7 45:20	reflected 23:20	repeating
61:5,11 65:13	46:7	regard 70:7	32:24
68:22,25 69:21	reaches 74:24	regarding	report 12:12
74:13,18	reaching 66:1	22:20 42:18	represent 23:8
questioning	<b>real</b> 10:17	49:11 69:22	24:14 39:7
50:21 69:11	really 19:2 32:9	74:18	
questions 22:19	33:11,13,14,14		representation
26:22 31:13,20	50:21 56:21	regards 31:23	44:15
42:16 49:9	58:4 64:19	register 53:19	representatives
			6:19 10:16

represented	residents 37:3	resulting 38:6	45:6,12 46:4
5:22	resource 24:19	63:2	48:3 60:8
representing	29:5,6 39:20	results 62:15	62:22,24,25
21:14	53:17	review 65:9	70:21,21,23
represents	resources 20:7	reviewing	71:10 74:5,10
23:22	20:22 22:22	16:17 67:9	74:14 78:12
reproduction	33:6 44:15	<b>rf</b> 14:4 33:4	roads 21:18
41:6	53:23 65:22	rick 10:25	33:20 34:11
reproductive	75:24	27:12 79:4	robert 2:18
41:6	response 12:20	<b>right</b> 10:21,23	4:16 78:17
request 5:10	14:6,7 16:22	10:25 11:3,12	robinson 3:3
requested 7:21	16:25 18:8	26:6 27:21	5:23 10:12
requests 32:24	20:16,20,25	28:10,11 29:23	<b>roman</b> 9:20
32:24	21:2 23:25	29:24 30:1,8	12:6 13:7
require 49:25	25:1 31:22	33:17 42:9	<b>round</b> 27:8
66:1 69:25	33:22 42:19	51:21 54:17	37:1
72:17	44:3,12 45:15	56:24 57:6,17	<b>route</b> 33:13
required 44:7	46:1 47:1	58:20 59:12	34:6 74:24,24
44:10 47:6	48:13 49:22	66:19 69:9	74:25 75:4,5
49:13,17 55:24	responses 14:3	70:13 73:2	75:13
66:17 70:12,24	16:17,21 22:18	74:1,12	routing 44:17
72:8,15	22:18,24 69:13	<b>ring</b> 17:12,16	<b>ruling</b> 65:21
requirement	responsible	<b>rise</b> 29:1	run 55:22
67:16	31:2	<b>rises</b> 28:23	57:10,17,21
resend 18:25	restored 60:9	rising 28:6	58:7,10,13
reserved 6:16	restrictive	30:17 55:8	60:18,21
residence 27:5	24:22	<b>road</b> 1:10 5:4	running 59:9
27:21 28:1	resubmit 14:5	24:6,10,11	60:14
30:25 31:10	result 17:8	27:6,14 30:1,1	<b>runs</b> 59:1
72:1	37:25 38:2,7	30:9,19 31:2,6	rural 20:1
residences	38:25 39:9	31:9 34:1	S
29:25 30:6	44:21 62:3,17	38:22,23,24	s 2:1 3:1 11:17
residential 22:2	63:2 65:14	41:23 44:13,18	11:17,19,19
27:11 62:23		44:21,25 45:4	11.11,17,17

gofoty 71.16	goott 2.14 4.12	goomg 22,16 10	abouts 71.0
safety 71:16 salamander	scott 2:14 4:13	seems 33:16,18	sheets 71:9
	se 19:18	34:10,16,17	shelter 72:21
23:14 24:5,8	search 17:2,4	51:1,2	<b>shift</b> 46:11
35:1	17:12,16	seen 41:22	62:14
salamanders	seasonal 27:7	53:24 73:8	shifted 69:1
38:13	30:5,7,9,14	self 46:20 47:2	shifting 37:23
saw 41:11	<b>second</b> 7:22 8:1	47:13 64:10	62:10 63:11,19
saying 27:25	18:13,20,21	65:1,4,7,11,15	<b>shifts</b> 26:9
34:9 41:3 48:6	19:2 42:25	66:13,21,23	<b>short</b> 24:17
58:15	43:12,20 55:1	67:10,20 68:9	shorter 17:25
<b>says</b> 25:19	63:7	<b>send</b> 6:25 46:25	<b>show</b> 27:7 76:9
49:12,17 68:14	<b>sector</b> 19:1,9	senior 10:25	showed 71:9
70:24	19:17,19 20:5	sense 27:9 30:4	<b>shown</b> 9:19
scanned 14:11	75:3	sensing 21:22	22:22 44:13
scenario 39:24	sectors 20:15	series 22:19	76:7
46:2,19 47:8	42:20,24	serve 24:7	shows 27:17
47:10 48:16,16	<b>secure</b> 45:20	35:12	29:22 44:17
48:17	46:8 65:15	server 32:22,25	70:22 72:21
schaefer 3:6	secured 47:21	service 18:19	74:2
5:22 9:24,25	securing 46:16	20:2 32:17	<b>shpo</b> 53:7,25
10:10,11,12	see 18:22 27:21	33:2,2,24 34:8	shrubs 26:5
11:8 12:1,4	27:24 28:3	42:21 52:2	shutdown 50:6
13:4,11,13,15	32:2,9 36:20	57:2	50:9
13:17,19,21	37:13 40:4,13	<b>session</b> 1:13 6:6	<b>side</b> 38:23
14:1,15,17,20	41:2,14 42:23	6:9,10,11,13,13	43:24,24 70:22
14:22,24 15:1	49:12,15 53:18	6:15,21,25 7:4	71:10 74:5
15:7,9,11,13,15	69:14 73:5	77:18	<b>sight</b> 29:16
15:17,22,24	75:14 77:19	<b>set</b> 33:18	30:20
16:1,3,5,7,10	<b>seeing</b> 26:18	several 18:11	sights 28:8
79:6	30:7 35:20	19:13 24:20	<b>sign</b> 5:10
schedule 58:15	36:3,14,25	shared 30:25	signal 56:7
scientist 10:24	37:6 39:25	<b>sheet</b> 71:8	76:10
scotland 18:12	42:24,25 44:19	72:18	signature 78:16
19:1 43:6	51:18 73:20		

	1	1	
signatures	57:9,20 58:5	<b>solve</b> 51:17,17	19:14,22 20:13
35:15	59:16,20,22	somewhat	20:15 33:8
signed 6:16	60:14,19,21	42:20	43:10 74:21
significant 23:9	61:1,7,12 67:7	<b>soon</b> 50:13	75:4,21 76:1,5
23:11,22 24:15	68:4 70:19,20	<b>sooner</b> 60:9,9	<b>split</b> 60:21
26:16 37:10	72:4,13,13,19	<b>sorry</b> 16:24	spoken 7:4
38:3,7 39:8,10	72:23 73:4,25	45:3 75:8	<b>spot</b> 17:20
57:4 60:6 62:4	74:20,22,23	<b>sort</b> 32:7 34:18	spotted 23:14
62:17 63:13	75:1,15,17,19	37:11,15 39:9	24:4,8 35:1
64:13 73:23	75:23 76:1,11	51:23	38:13
signposting	<b>sited</b> 62:20	sounded 56:17	square 38:5
12:18	sites 17:3 18:10	<b>source</b> 59:19,22	64:5,8,14
silt 45:3 70:22	18:11 32:20,25	73:13	stabilization
71:9,14 74:2	43:8 44:1	<b>south</b> 18:12	68:4
74:11	51:19 75:21	27:15,15 74:20	staff 2:17,22
<b>similar</b> 30:10	<b>siting</b> 1:3 2:19	74:23,23 75:3	4:15 5:18
similarly 40:7	4:7,16 6:4 78:7	75:17	standard 43:17
<b>simply</b> 16:19	sitting 20:3	southeast 29:22	47:12 59:13
22:9 58:14	33:4,5	30:6,8	standards 47:4
<b>single</b> 23:17	situation 45:19	<b>sp</b> 64:16	47:16 62:8,16
<b>sink</b> 36:7,18,19	six 10:15 23:13	<b>speak</b> 49:19	63:18 64:19
sir 48:25 55:4	40:8	54:13 55:21	<b>start</b> 18:23,24
<b>site</b> 5:11 17:1,6	<b>sized</b> 26:5	speaking 46:9	43:13,14 59:2
17:14,21,24	<b>sky</b> 28:19	specialist 10:18	starting 16:13
18:12,13,16,18	<b>slight</b> 18:3	species 23:17	starts 64:7
19:16,19 20:4	slightly 17:6	24:16 36:14	state 1:2 3:4
20:8 22:1,12	<b>slope</b> 49:18	37:7 73:24	33:25 34:3,4,6
22:13 27:7,20	69:23 70:2,3	specifically	53:14 54:24
28:6,7 30:8,12	<b>slow</b> 18:16	31:21 36:19	66:17,19
30:18 32:21	32:24	74:20	stated 55:6
41:19 43:4,7	snagged 25:22	<b>speed</b> 19:9 43:6	63:6 69:24
45:9 53:21,24	<b>snow</b> 31:3	54:18 76:15	statement
54:16 56:18,18	<b>soil</b> 10:23	<b>speeds</b> 18:13,15	35:23 70:13,15
56:23,23,24,25		18:17 19:6,8	

		I	
statements	subject 12:24	<b>syme</b> 2:13 4:13	tank 57:6,16
6:17 7:1,3	54:20	8:14,15 9:9,10	team 29:9
<b>states</b> 16:25	subjectively	50:17 52:9,10	<b>tech</b> 27:13
61:14 70:11	37:1	52:11,16,21	technical 12:12
statewide 60:3	<b>submit</b> 66:17	77:6,7	technically
statistical 41:7	submitted	synonymously	37:25 62:15
43:24 51:22	16:19	25:9	techniques
statistically	subsection 12:7	<b>system</b> 32:16	21:22
41:8	13:8	t	technology
statistics 43:22	substandard	t 11:14,17,17	10:24 11:1
43:25 51:15	42:21	11:17,19	telecommuni
<b>status</b> 23:21	suburban 56:9	table 14:4,10	1:9 5:3 78:11
63:8	success 36:21	table 14.4,10 take 7:9 35:6	teleconference
statute 47:17	suggest 37:17	40:11 48:13	1:12 78:6
statutes 4:23	suggested	49:8,10 58:21	telephone
<b>stay</b> 31:6	67:21,23	59:12,24 60:5	59:14 60:13
staying 29:19	suitable 36:1	72:1	telephones 4:20
<b>step</b> 40:12	support 2:25	taken 9:18	tell 41:15 58:3
<b>steps</b> 70:6	4:17 23:9	20:11 25:20	76:4
<b>stop</b> 32:23	35:16,17 37:9	53:15 78:5	temporary
<b>storm</b> 60:4,11	37:9 41:13	takes 31:9	48:15 68:5
straightforward	55:8 57:9	talk 43:11	<b>term</b> 7:17
46:24	<b>sure</b> 30:22	talked 52:14	24:17,25 25:2
strategic 34:19	34:15 39:14	64:9 65:2	terms 25:7,9
<b>stream</b> 56:10	51:14 70:13	74:19 75:3	42:23 56:21
streaming 56:5	71:10 73:1	talking 27:14	terrestrial 64:1
<b>street</b> 3:4 59:20	surrounding	30:13 32:5	testified 11:22
59:23	18:10 32:20,25	34:23 38:5	testimony
strength 56:7	51:18 75:21	40:7 64:11	15:18 63:6
76:10	surveys 23:11	talks 61:11	text 18:24 19:4
stretches 36:16	sv 66:6	talks 01.11	thank 4:20 7:18
strictly 65:17	swearing 11:9	28:15 55:15	7:23,23 8:4,5
<b>strong</b> 32:22	<b>sworn</b> 11:7,20	20.13 33.13	8:10,11,12,13
	12:2		8:16,20,21,24

[thank - tribes] Page 25

9:2,3,5,6,7,8,9	39:18 42:1	52:12 57:22	50:2 51:1,11
9:11,13,15	47:22 48:9,12	59:14 60:6	55:7,13 62:20
10:2,11 11:8	50:23 59:4	69:16 72:12	69:25
11:10,11,24,25	60:1,5,11 63:5	77:17	towers 1:6 3:2
13:3,4,21	64:14 65:5	<b>times</b> 33:11	4:24 5:21
14:17 15:1	68:25 71:5	59:5	10:14 12:10
16:10,16 18:7	74:10	tiny 74:2	19:13 32:2,9
19:20 20:18	<b>thomas</b> 4:11	title 4:22	33:19 51:5
22:17 23:24	thoroughly	today 10:15	55:11 78:8
24:24 25:10	53:6	31:6 72:16	town 7:7 12:12
26:21 30:21	<b>thought</b> 54:19	together 29:10	12:13,14 28:10
31:12,13,14	thousands	top 58:4	30:2
42:9,10,10	34:11	<b>topo</b> 28:15	traditional
49:1,1 50:4,11	<b>three</b> 17:3	29:19	66:8
50:13,14,15,20	18:19 25:15,19	topography	traffic 24:14
52:5,6,7,16,24	25:19 29:14,25	28:7 29:11,17	training 24:21
52:25 53:6	30:6 55:1	30:17	transcript 7:5
54:4,17 55:5	57:19 63:7	<b>topped</b> 57:24	transcription
60:24 61:2,10	threshold	58:21	78:5
69:12,19 70:18	32:15	tops 29:12	transitioning
74:17 76:17,18	throughput	touch 50:13	62:24
76:19,22,23	43:6 76:13	52:2 64:4	transitions
77:1,2,4,5,6,8,9	throw 38:13	towards 26:9	63:1
77:10,13,14,19	thursday 1:13	36:4 39:4,4	<b>travel</b> 33:20
thick 56:13	4:5	74:24	34:12
thing 51:23	tier 23:20,21	tower 7:15	traverses 24:12
56:14	46:21 63:6,7,8	17:17,25 19:10	tree 25:22,22
<b>things</b> 29:1	64:16	19:11,21 20:12	54:5,10
46:12	time 5:8 11:6	24:1 27:7,10	trees 29:3,8,12
think 20:19	12:24 13:23	27:15 28:18	29:17 30:16
24:25 25:15	26:18 29:21	29:16,21,24	54:6,7,14
27:1,24 28:25	31:25 33:7	30:20 31:1,10	tribal 53:15
30:12,15 36:21	41:22 48:7	31:23 33:12	<b>tribes</b> 53:9 54:1
37:20 38:14,20	49:8 50:9	42:22 49:24	

trigger 61.15	typically 17.12	undertake 67:5	<b>using</b> 18:18
<b>trigger</b> 64:15	typically 17:12		
65:4,9	43:16,19 47:1	underway 50:6	21:9,22,25
triggering	54:10,15 55:11	unfortunately	35:12 50:2
45:17	55:13,15 56:7	50:9 60:17	62:1 73:5,21
triggers 64:3	57:13 66:3	uniform 4:23	73:24 75:23
<b>true</b> 15:3 22:7	67:11	unintelligible	usually 47:5
70:12,15	u	25:25 75:7	54:2
truthed 21:23	<b>u</b> 11:15,16,17	unknown 72:12	utilities 4:12
try 17:15 18:5	uconn 21:9	unmanned	72:1
<b>trying</b> 19:11		24:13	<b>utility</b> 72:13
27:9 41:25	un 24:13	unreasonable	utilizing 24:16
42:1 43:18	unable 6:24	39:12,19 40:22	v
67:2 74:11	unanimous	unreliable	·
turn 59:2	9:16	32:18 33:9	valid 70:1
twelve 30:11,11	under 11:22	upgrade 70:24	value 14:4
38:24	12:6,7 13:7	upgrades 70:25	valued 35:17
two 12:6 18:11	21:15 46:22	71:7 72:8,14	variable 40:1
20:15 22:20,21	47:3 49:16,16	72:17	40:17
,	63:8 64:9,10		variables 41:4
22:25 23:5,15	64:14,18 65:21	<b>upland</b> 36:1,11	vegetation 26:7
23:21 24:2,12	65:22 71:18,23	usage 51:3,6,10	26:8,20 28:7
24:16 25:11,18	underbrush	51:16,20 58:5	29:2
26:13 27:18	62:21	use 17:18 44:20	vehicle 32:11
35:1 36:25	underground	49:23 57:20	vehicular 24:14
39:5,11,13,15	72:1	73:9,22	verbatim 7:5
40:12,13 41:12	understand	<b>used</b> 24:25 25:1	78:5
44:24 45:1	19:12 24:4	25:4,9 36:7	verification
46:25 48:18	understanding	57:8,10,14	12:24 46:20
57:19 62:2	21:21 42:6	62:21 73:12	47:2,13 64:10
63:6 67:4,24	46:9 48:15	75:24 76:5	65:1,4,7,11,15
69:2 71:9	49:24 53:13	<b>user</b> 20:7	
<b>type</b> 5:12 17:17		users 19:3,7	66:13,21,23
29:5 38:16	understood	20:1 32:7,23	67:10,20 68:9
<b>typical</b> 56:9,9	75:16	33:4 34:1,7	verified 54:23
J. P. 201.		75:22	
		13,22	

[wireless - zoom] Page 28

10.10		2= 22
wireless 10:18	54:9,21 55:4,9	wrong 27:23
10:20 32:13	55:20 56:6,20	$oldsymbol{y}$
43:3 51:13	57:1,11,25	<b>yeah</b> 19:24
56:6 75:11	58:9,16,19,23	25:17 27:19,25
wise 18:1 34:18	59:17,25 60:16	28:5,9,21
wish 6:18,22	60:25 61:8,22	38:18 41:6,9
witness 10:7,15	63:23 65:12	41:18 42:6
13:10,12,14,16	66:16 67:1,13	43:4,13 44:12
13:18,20,25	67:22 68:11,19	48:9 58:12
14:2,16,19,21	70:4,15 71:3	59:10 61:1
14:23,25 15:6	71:12,19,21,25	68:19 70:4
15:8,10,12,14	72:6,10 73:3	74:9,13 76:15
15:16,21,23,25	73:16 74:8	year 27:8 37:1
16:2,4,6 17:10	75:6,8,11,16,18	39:13 40:4,5
18:3,16 19:15	76:8	40:12 41:12,12
19:24 20:17	witnesses 6:20	59:10 67:24
21:5,20 23:6	11:6,10,12,20	73:7
24:9 25:7,17	12:3,25 13:2	years 39:13
25:24 26:1	16:8 79:2	60:4 73:8
27:12,19,24	wondered 51:3	yellow 28:10
28:3,5,21 29:7	<b>wood</b> 23:15	29:15
29:9 30:7,22	24:5,7 35:2	yesterday
31:4 32:12	38:11,12 39:14	54:25
33:23 35:10	wooded 28:22	<b>Z</b>
36:9,23 37:19	28:22	_
37:22 38:18	working 48:1	<b>z</b> 11:14
39:16 41:9	<b>worry</b> 33:11	<b>z2</b> 70:19
42:5 43:2,13	43:14	<b>z3</b> 72:19
43:25 44:9,11	worst 46:2,19	<b>z3.1</b> 71:8
45:24 46:18	47:7,10	<b>zoning</b> 12:12
47:10 48:9,12	<b>wrap</b> 41:25	<b>zoom</b> 1:12
48:25 49:21	wrapping 32:1	
50:7,14 51:12	written 6:25	
51:25 53:12	7:3	
	G 1 G 1 0 D	vall   A Dlug Demonting