

1 CHATHAM TOWNSHIP
2 ZONING BOARD OF ADJUSTMENT
3 SPECIAL MEETING
4 58 Meyerville Road
5 Chatham Township, New Jersey
6 Wednesday, June 10, 2015
7 Commencing at 7:31 p.m.

STENOGRAPHIC.
TRANSCRIPT OF
PROCEEDINGS

----- -X
6 IN RE: :
7 APPLICATION NO. BOA 15-84-3 :
8 NEW CINGULAR WIRELESS PCS, :
9 LLC, (AT&T), :
10 Applicant. :
11 Use Variance/Site Plan Approval :
12 Block 84, Lot 3, :
13 200 Shunpike Road :
----- -X

11
12 B E F O R E:

13 ANTHONY VIVONA, Chairman
14 GREGORY BORSINGER
15 MICHAEL HYLAND
16 KATE KELLY
17 WILLIAM STYPLE
18 JON WESTON

19 Stephen Shaw, Esquire, Board Attorney
20 John Ruschke, PE, Board Engineer
21 Robert A. Michaels, Board Planner
22 Kali Tsimboukis, Board Secretary

23
24
25 TRANSCRIBED BY AND BEFORE:

ToniAnn Acquaro, Professional Court Reporter, and Notary
Public of the State of New Jersey.

Job No. 2071792

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

A P P E A R A N C E S:

PINILIS HALPERN,LLP

Counsel for Applicant

New Cingular Wireless PCS, LLC, (AT&T)

160 Morris Street

Morristown, New Jersey 07960

BY: JUDITH FAIRWEATHER, ESQ.

(973) 401-1111

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

I N D E X:

APPLICANT'S EXPERTS:

PAGE

Alec Norris, PE
Project Manager

4

James Dowling, PP
Planner

39

MEMBERS OF THE PUBLIC:

Janice Wilson
30 Robinhood Lane
Stacey Ewald
54 Nickelson Drive

24

33

Charles Wilson
30 Robinhood Lane

59

E X H I B I T S:

APPLICANT'S

DESCRIPTION

PAGE

Exhibit-23 Revised plans dated June 3,
2015

5

Exhibit-24 Picture of barn structure

6

Exhibit-25 Photo of fence

14

Exhibit-26 Photo Simulation Board No. 1

41

Exhibit-27 Photo Simulation Board No. 2

42

Exhibit-28 Photo Simulation Board No. 3

43

(Exhibits retained.)

1 CHAIRMAN VIVONA: Application BOA-15-84-3,
2 New Cingular Wireless, PCS, 200 Shunpike Road.

3 MS. FAIRWEATHER: Good evening. Thank you
4 for coming. I will try not to keep you guys very long
5 on such a lovely evening. We are back here on a couple
6 of issues.

7 First, we went back to PSE&G and asked the if we
8 could move the compound away from the property line and
9 we asked them also about plantings and fences.

10 So I'm going to let Alec testify as to what PSE&G
11 said and remind him he is under oath.

12 CHAIRMAN VIVONA: Mr. Norris, go ahead.

13 A L E C N O R R I S, being previously
14 sworn, testified as follows:

15 THE WITNESS: I was the engineer last time
16 involved, if you remember.

17 I went back to PSE&G and informed them of some of
18 the concerns with this site. And they agreed to allow
19 the compound to shift 15 feet. In a second, I will show
20 the exhibit to show what the shape of it will be.

21 MS. FAIRWEATHER: And we are sorry we didn't
22 get this in beforehand because PSE&G has their review
23 time, too. So we thought we would bring it this
24 evening.

25 THE WITNESS: Basically, we just shifted the

1 compound 15 feet. And then what we have are proposed
2 plantings around two sides of the compound and I will...

3 EXAMINATION BY MS. FAIRWEATHER:

4 Q. You want me to come over and just...

5 A. I will show the plans.

6 MR. SHAW: You want to mark that?

7 MS. FAIRWEATHER: We will mark that as...

8 MR. SHAW: A-23.

9 Q. And, Alec, what is the sheet called, the
10 revision date -- that's just for the reporter.

11 CHAIRMAN VIVONA: That's just for the
12 reporter.

13 MS. FAIRWEATHER: Thanks.

14 A. The sheet is just called site plan and it has
15 the date up here of June 3, just to tried to make it
16 different than the plan that was already presented to
17 you guys.

18 MR. SHAW: If you can just put A-23 on it
19 with today's date.

20 (Applicant's Exhibit-23 marked for
21 identification.)

22 THE WITNESS: Yes.

23 Q. And, essentially, what you have is the
24 compound shifted 15 feet to the west. And it's
25 difficult to see, but the little circles indicating

1 plantings around the east side of the compound as well
2 as the south side of the compound to try and provide
3 some additional screening.

4 And then we also took pictures of another
5 barn-like structure that was done for, I think, Verizon
6 at a site in Franklin Township.

7 MS. FAIRWEATHER: And we are going to mark it
8 as A-24. I will just give my opinion, it is a bright
9 red barn. I think it will look much better if it was
10 beige or brown.

11 (Applicant's Exhibit-24 marked for
12 identification.)

13 THE WITNESS: The color, obviously, can be
14 changed.

15 MR. HYLAND: So on your picture where is
16 Shunpike?

17 THE WITNESS: Shunpike is right here across
18 the top similar to your plan that was done before. It's
19 almost the same plan as your Z-1 sheet was before; I
20 just took a couple things off it and moved the compound
21 and cleaned it up a little.

22 MR. SHAW: So maybe if we just -- where has
23 the compound moved from, if you can point it out?

24 THE WITNESS: This is old plan, so you have
25 the rectangle here representing the compound with the

1 shelter 32 feet off the property line, and then down
2 here it's shifted so it's approximately 47 feet off the
3 property line.

4 MR. SHAW: So it's 14 feet further removed to
5 the residents.

6 THE WITNESS: It's 15 feet to the west. And,
7 basically, what it is, is the compound that is shown
8 here is now centered on the pole itself.

9 MR. BORSINGER: Did they give you a
10 explanation as to why it was restricted that you
11 couldn't move it further?

12 THE WITNESS: Well, again, basically, in
13 talking to some people -- I wasn't at the original site
14 visit for the site -- In talking to some people, it
15 sounded like the intention was to put the compound on
16 the side so you could leave room for the second carrier.
17 And then when I went back to them and said, Well, can we
18 shift the compound to the west so it's further away from
19 the property line; we took a look at it and said, Well,
20 honestly, the place we had it initially is really not
21 the best place for it anyway, it really should be
22 centered on the pole so it's away from the conductors.

23 You basically have -- the conductors are on both
24 sides. So you would have the conductor coming along
25 here almost like through sort the area where the AT&T

1 shelter was going to be and then again on the other
2 side. Now, by it being centered, they can work on the
3 conductors, but not right over the compound.

4 MR. BORSINGER: This one is in the center,
5 right?

6 THE WITNESS: Yeah, that's a lattice tower,
7 but similar idea where they keep it away from that
8 outside conductor.

9 BY MS. FAIRWEATHER:

10 Q. That's an existing site, right, Alec?

11 A. Yeah.

12 CHAIRMAN VIVONA: Now, the original lattice
13 towers, when they were torn down, were the new towers
14 put, the monopoles put in the same spot or were they
15 like alternated?

16 MS. FAIRWEATHER: No.

17 THE WITNESS: Some of the locations varied.
18 Most of the poles were not put in the same spot as the
19 old towers.

20 CHAIRMAN VIVONA: Same line, just different
21 areas?

22 THE WITNESS: Right.

23 CHAIRMAN VIVONA: Maybe you can show us where
24 the old control boxes were before they tore down the
25 towers.

1 THE WITNESS: Like where the old -- I don't
2 have it shown on here, where the old tower was located.
3 Actually, I have -- what I do have, I think I do have
4 the old Cingular plans.

5 CHAIRMAN VIVONA: I think the towers were 200
6 feet apart or better.

7 THE WITNESS: Nah, the right-of-way itself is
8 225, the whole right-of-way is 225.

9 CHAIRMAN VIVONA: No, I mean from tower to
10 tower, the space in between, so when they are up, they
11 put the new towers in between where the other two towers
12 were.

13 THE WITNESS: Are you talking going up the
14 line?

15 CHAIRMAN VIVONA: Yes.

16 THE WITNESS: I think the next tower up is up
17 in this vicinity somewhere. So it's definitely more
18 than 200 feet away, if that's 225.

19 MR. HYLAND: Does it say how long the
20 driveway is?

21 THE WITNESS: What is that?

22 MR. HYLAND: Does it say how long the
23 driveway is, sir?

24 THE WITNESS: It does not. I just know that
25 the property is 225 feet wide. So this is based on

1 looking at that.

2 MS. FAIRWEATHER: Our original resolution
3 granting this back in 2006, AT&T received a variance for
4 the rear yard of 38, we were a distance of 38 feet.

5 CHAIRMAN VIVONA: To the property line?

6 MS. FAIRWEATHER: Yes.

7 CHAIRMAN VIVONA: And now you are 40 plus?

8 MS. FAIRWEATHER: 44.

9 CHAIRMAN VIVONA: I'm just trying to get a
10 relationship as to where the 44 is as to where the other
11 box was.

12 MS. FAIRWEATHER: I understand.

13 THE WITNESS: I have the old survey here that
14 was done for the application back in 2004. And then I
15 think eventually it was approved in 2006. And the box
16 on the survey representing the tower footprint actually
17 looks to be in a very similar spot to where our compound
18 is proposed.

19 CHAIRMAN VIVONA: Okay. So it's probably
20 within 20 or 30 feet of the original one?

21 THE WITNESS: Yeah, it's in a pretty similar
22 spot from where the proposed compound is.

23 CHAIRMAN VIVONA: And was the other one
24 underneath centered on the tower, as well.

25 THE WITNESS: That was the centered. That

1 was also a different type of design. That was a Fort
2 Worth insert so you have the pipe extending up through
3 the middle of the tower and the platforms up at the top.
4 So the compound on that one was designed to be in front
5 of the tower and then part of the compound was
6 underneath the tower itself. But that existing tower is
7 closer to the rear property line so there wasn't really
8 room behind it.

9 CHAIRMAN VIVONA: Okay. Well, with a
10 monopole, it's a much smaller footprint.

11 MR. MICHAELS: Is your setback from the
12 southern property line the same with 20, 22 feet; is it
13 remaining the same on --

14 THE WITNESS: It will remain. This exhibit
15 shows 20, 21 foot.

16 MR. MICHAELS: It's very close.

17 THE WITNESS: This is not a final exhibit, it
18 was one we put together so we had something for tonight
19 and PSE&G took a quick look at it and said, yeah, it
20 looks like it would be all right.

21 BY MS. FAIRWEATHER:

22 Q. Let's talk about the shrubs.

23 A. The call out on the planting for shrubs,
24 proposed dwarf English boxwood shrubs at 6 foot, center
25 on center, eleven total; planting height 18 to 24

1 inches, maximum height is 3 feet and they would be
2 basically on the east of the compound side and south
3 compound side.

4 AUDIENCE MEMBER: Sorry, can you just slow
5 down a tiny bit and say that again?

6 THE WITNESS: Okay. Proposed dwarf English
7 boxwood shrubs at 6 foot center on center, and there are
8 eleven total proposed on our plan, with a planting
9 height of 18 to 24 inches, and a maximum height of 3
10 feet. And they are shown on the east side of the
11 compound and the south side of the compound.

12 The reason why they are not shown on the west
13 side of the compound is because that is where the gravel
14 access side is for the area. And the north side they
15 are not shown because that is where tower is. They
16 don't like to have plantings between the compound and
17 the tower.

18 Q. And that is the permissible plantings that
19 PSE&G will allow?

20 A. Yes.

21 CHAIRMAN VIVONA: The old one did not have
22 planting.

23 MS. FAIRWEATHER: I think there were some
24 shrubs and bushes. If you went out there is a yellow
25 bush and I can't remember the name of it.

1 THE WITNESS: Forsythia.

2 MR. SHAW: There were some forsythia along
3 one side that were quite tall.

4 MS. KENNY: Can you point out where the
5 shrubs are?

6 THE WITNESS: They are pretty small, the
7 circles are pretty small, but they are around this side,
8 and this side of the compound.

9 Q. And show her where the nearest property
10 owner's home is.

11 A. The then nearest property owner's home, I
12 believe is the Wilsons, and they would be over here
13 somewhere.

14 Q. And then we discussed a fence. And we came
15 up with a fence that has been used on another PSE&G
16 properties -- I will make this A-25 -- that has been
17 used on other PSE&G properties, they have approved it.
18 It's more homey. It's not the chain-link fence that you
19 saw with the red barn. And it's also board-on-board, so
20 it helps with any sound that was discussed, although
21 both experts said that the sound is pretty quiet.

22 And to talk about the fence, we are proposing 7
23 feet. The fence on the original site was 7 feet. We
24 are proposing 7 feet. We can go 8 feet, 6 feet,
25 whatever. But you just need to know how we will measure

1 the fence. If this is the fence you choice, the top of
2 the wood.

3 (Applicant's Exhibit-25 marked for
4 identification.)

5 CHAIRMAN VIVONA: A finial.

6 MS. KENNY: But we can get one that is
7 straight across if we want.

8 MS. FAIRWEATHER: Absolutely. We just wanted
9 to make it look more homey and decorative; that's all,
10 but absolutely.

11 MR. BORSINGER: Do you know how high the
12 fence is in this picture with this red barn?

13 THE WITNESS: I think it's a 6 foot, but I am
14 not positive. I actually didn't visit the site,
15 somebody from my office went by and took the pictures; I
16 wasn't there.

17 MR. MICHAELS: That looks taller than 6 feet.

18 THE WITNESS: It's possible.

19 CHAIRMAN VIVONA: How tall is the barn?

20 Obviously, this one will be similar, but it's not the
21 exact one.

22 THE WITNESS: Yeah. I didn't dig up the
23 plans on it. I should have dug them up and brought
24 them, but I don't think I have it with me.

25 MR. SHAW: Was there some sort of drawing

1 that depicted what the standard equipment shelter was?
2 I know it was described as being...

3 MS. FAIRWEATHER: No, we didn't bring it.
4 And Alec can explain, say yes when I am done testifying.
5 It's a rectangular building that is approximately 7 feet
6 high. The outside is like a cement stone. It's
7 probably 8 feet high.

8 A. The shelter is a 10 foot high. And it's got
9 prefabbed panels with a coarse aggregate on the outside.

10 Q. Like stones?

11 A. That's their standard. I think it's 10 foot
12 at the peak, or on the one, the highest peak.

13 MR. SHAW: This structure would be a
14 comparable height?

15 THE WITNESS: It might be a little bit taller
16 because of the barn's roof. So it probably would be a
17 little bit taller.

18 MR. RUSCHKE: There was a drawing, Sheet Z-3
19 identified it as being a 11-foot-5-inches by 20-foot
20 shelter. It gives a model number. That has changed?

21 THE WITNESS: That would be the standard
22 shelter. Now we are proposing, if everybody wants, a
23 pretty barn, a prettier barn structure. It would have
24 to be a little bit taller and a slightly different
25 configuration, I image. But it's maybe it's more

1 appealing to the eye.

2 MR. BORSINGER: Would the footprint change?

3 THE WITNESS: I imagine a little bit. It
4 would probably be close to the same size, but it's the
5 standard shelter size, whereas, the barn structure would
6 be slightly different.

7 CHAIRMAN VIVONA: So we know the size of the
8 barn. Forgive me, I forget what is the size on the
9 compound, the fenced area?

10 THE WITNESS: The way we have it shown on
11 here is still the same size compound as shown before.
12 And it's 24-by-30, 24-feet wide by 30-foot long.

13 Q. So whether you have a barn or the standard,
14 it will still stay the proposed size?

15 A. It would still be about the same size. If
16 you use the barn and if it's a little bit bigger, the
17 compound size might be a little bit bigger as well, but
18 it wouldn't be much bigger.

19 CHAIRMAN VIVONA: So it's on the record, this
20 picture you gave us has electrical boxes or transformers
21 outside the compound; this one will not.

22 THE WITNESS: Well, usually what you have is
23 meter panel on the outside and a telephone cabinet
24 coming outside.

25 CHAIRMAN VIVONA: Outside the fence?

1 THE WITNESS: We are proposing inside.

2 CHAIRMAN VIVONA: In this picture, the site
3 is outside.

4 THE WITNESS: Yeah. That site has a couple
5 of things that wouldn't apply here; one is that site has
6 a generator in the shelter, since then PSE&G won't allow
7 generators in the shelter. So that is just another
8 example on that picture there that you wouldn't find on
9 the site.

10 MS. KENNY: I actually had a question with
11 the generator. So that's changed since the Buxton tower
12 application?

13 THE WITNESS: I'm not sure. Which
14 application?

15 MS. KENNY: The water tower on Buxton Road.

16 THE WITNESS: I am only talking about PSE&G
17 sites.

18 MS. KENNY: And what PSE&G allows. So that
19 is different than the water tower. I think you said
20 there is a recent change or, no, it's never allowed to
21 have a generator.

22 THE WITNESS: Well, I'm not sure when that
23 site was built, the barn. On that site, you can see
24 there is a vent there, a vent pipe. So apparently back
25 who knows how old that site is, but back then they

1 allowed them.

2 MS. KENNY: So what happens if there is a
3 power outage?

4 THE WITNESS: They would have a fill port on
5 the outside and they can wheel up a generator, but it's
6 not a permanent installation.

7 MR. STYPLE: You see that the driveway has
8 the ability to make a K-turn so you can get in and out,
9 will they have concrete protecting posts scattered
10 about?

11 THE WITNESS: Usually we just have gravel.
12 We can throw in a bollards if it seems like it is
13 necessary.

14 MR. STYPLE: I didn't know if there were
15 already.

16 Q. And, Alec, generally they don't do it on
17 towers because they have the fence around the equipment
18 and hopefully our guys are not that careless.

19 CHAIRMAN VIVONA: The less on the outside,
20 the better. I just want to see the plants, a nice
21 looking fence.

22 One other question is: There is going to be a
23 cable bridge to the tower?

24 THE WITNESS: That is correct.

25 CHAIRMAN VIVONA: Which will look a lot

1 better, again, then this picture, which has a wire
2 straight hanging.

3 THE WITNESS: The standard cable bridge is
4 about 10 feet off the ground. And it does have a cable
5 suspended underneath it. I couldn't tell you if it's
6 going to be exactly like the one on the tower.

7 Q. What is this round thing here? Do you have
8 any idea? That's not cable?

9 A. No, that is tied to the tower itself.

10 CHAIRMAN VIVONA: And, again, the cable
11 bridge goes from the building to the tower. But
12 actually cables go through the center of the tower so
13 they are not all exposed, correct?

14 THE WITNESS: No. I believe the cables on
15 this one are on the outside. They don't allow the coapt
16 cables on the inside of these poles so they are all
17 mounted on the outside.

18 CHAIRMAN VIVONA: I guess that is because
19 they have power. And this one out here is just the
20 antennas.

21 MS. FAIRWEATHER: This is just a monopole,
22 right. If it is just a plain monopole, and not a
23 high-tension tower, they always try to go on the inside,
24 correct, the majority of time.

25 THE WITNESS: They try to go on the inside,

1 but monopoles typically are constructed for
2 telecommunication purposes.

3 BY MS. FAIRWEATHER:

4 Q. So they are hollow in the middle?

5 A. Yeah. These particular poles, none of them
6 are designed for telecom. So, basically, they couldn't
7 get the rate payors to make poles to accommodate
8 telecommunication carriers.

9 CHAIRMAN VIVONA: Okay. What are our choices
10 on color; anything we want?

11 MS. FAIRWEATHER: Anything your little heart
12 desires.

13 MR. SHAW: Do you have any suggestions, Bob,
14 as to what would be a neutral color for a barn?

15 MR. MICHAELS: Yeah. We are talking about
16 the barn. I mean, earth tones. I don't think we need
17 to be red. It doesn't need to look like a barn. Browns
18 would be my recommendation, something in earth tones.

19 CHAIRMAN VIVONA: Something that is close in
20 color -- the fence is going to be raw, just pressure
21 treated, not painted?

22 THE WITNESS: It will be composite.

23 CHAIRMAN VIVONA: So it would be colored.

24 THE WITNESS: It probably will be a tan-ish
25 color.

1 CHAIRMAN VIVONA: If we can get a color that
2 is similar to the fence, make it blend in a little more,
3 it won't be as obvious.

4 MS. FAIRWEATHER: Got it. So match the fence
5 with the color of the barn.

6 MR. HYLAND: Are we all sold on the barn?

7 MR. SHAW: I don't know, that's something you
8 can talk about.

9 MR. RUSCHKE: I guess the testimony is that
10 you are not sure of the height of the barn, so it's just
11 hard to give a perspective of, you know, is the
12 structure going to be 11-foot-6 and then the barn
13 portion on top of that or is it going to be 11 is the
14 actual height of the barn? For myself, I can't put it
15 in perspective of what it is going to look like.

16 MR. STYPLE: The color of the shingles, too.

17 MR. RUSCHKE: If you are going with the barn,
18 if it's the top of the barn plus on top of 11 feet,
19 that's a high structure.

20 MS. FAIRWEATHER: No. No. If you look at
21 this fence on the picture we gave you, it has to be 6 or
22 7 feet, it's a typical fence in a town. So you see how
23 much the barn is above that. So that's basically what
24 it is going to be. It's not going to be 11 feet and
25 then a barn on top of it.

1 MR. RUSCHKE: So the maximum should be
2 11-foot-6-inches or 5 inches.

3 THE WITNESS: 11-foot-5-inches is the width.
4 The height of the standard one is 10-foot-3 inches. In
5 the picture, look at the fence. Let's say the fence is
6 7-foot tall. I'm guessing the top of the barn is
7 probably around maybe around 13.

8 MR. SHAW: The standard design that you use
9 could also be designed to be the same color as the
10 fence?

11 MS. FAIRWEATHER: They will paint the barn,
12 they can't paint the fence.

13 CHAIRMAN VIVONA: No. If we do the standard
14 enclosure, which is lower in height.

15 MS. FAIRWEATHER: That's a beige, that's a
16 beige-beige. That's a little too yellow, it's more of a
17 brown. It's a light beige with stone.

18 MS. KENNY: Is there a picture of that
19 somewhere?

20 MR. MICHAELS: There were pictures that were
21 submitted with simulations, which, I guess, the planner
22 will talk about in which he depicted the enclosure, the
23 initial enclosure with a fence around it.

24 MS. FAIRWEATHER: Do you have a picture of
25 the actual shelter?

1 THE WITNESS: You can see the top of it here.

2 MS. FAIRWEATHER: We will lay the foundation
3 for this in a little bit. But this is what the top of a
4 standard shelter will look like on top of a 7-foot
5 fence. Right, Jim?

6 MR. DOWLING: Yeah.

7 CHAIRMAN VIVONA: That's a lot less.

8 MR. SHAW: I think that's less obtrusive than
9 the barn. No, I think that is going to be obtrusive.

10 MS. FAIRWEATHER: It definitely is, but it
11 does look like a barn.

12 MR. SHAW: But it doesn't extend as far
13 above.

14 MR. HYLAND: Extend the fence another 3 feet
15 and you don't have to worry about it.

16 CHAIRMAN VIVONA: They can go 8 feet.

17 MR. HYLAND: Can they go 10?

18 MS. FAIRWEATHER: There is another one where
19 you look down from Pine Street into the compound.

20 CHAIRMAN VIVONA: If anyone from the
21 neighborhood would like to look at the pictures.

22 MR. HYLAND: So, again, this one that we are
23 looking at was a 7-foot fence that was modeled after the
24 original equipment structures close to the barn.

25 MS. FAIRWEATHER: Yes, because our plan shows

1 7 feet.

2 MS. KENNY: What is the roof of this
3 equipment shelter made out of?

4 THE WITNESS: I think it's just concrete
5 panels.

6 MR. SHAW: It's a flat roof?

7 MS. FAIRWEATHER: Yeah.

8 THE WITNESS: It's a very slightly pitched,
9 it's 3 inches taller on the one side versus the other.

10 MS. FAIRWEATHER: For runoff and things like
11 that.

12 THE WITNESS: Yeah.

13 AUDIENCE MEMBER: Can we look at it? It
14 wasn't clear when you said that PSE&G allowed a 15-foot
15 shift, that is not clear in my mind.

16 MR. SHAW: You want to take a closer look at
17 the map?

18 THE COURT REPORTER: Please identify yourself
19 for the record.

20 MR. SHAW: Janis Wilson, 30 Robinhood Lane,
21 Chatham, New Jersey.

22 I just wanted to take a closer looking at where
23 it is shifted.

24 THE WITNESS: The one on the top is the old
25 plan that we presented last time.

1 MS. WILSON: Right. So this is moving
2 further on the other side from where the forsythias are
3 there now.

4 THE WITNESS: Yeah. This is where the
5 forsythias are now. They are called out to remain, yes.

6 MS. WILSON: So there are going to be
7 forsythias. It is going to be further out. What is
8 worrisome, though, is part of the 15 foot as opposed to
9 40 feet or putting it in the center because they are
10 leaving a space for compound two.

11 MS. FAIRWEATHER: No, we not. He just
12 testified to that because we can't go over to the other
13 side. We can't go there. And they want it centered in
14 the middle of the transmission tower, as he testified
15 before, on either end of whatever those things are.

16 THE WITNESS: Conductors.

17 MR. SHAW: Where would the co-located
18 facility be located?

19 THE WITNESS: I guess if another carrier was
20 to come in here and go on the tower, then you would
21 either have to go right in front of the pole, kind of
22 similar to what we are doing now, but mirrored on the
23 front. That is the best place to do it.

24 MR. SHAW: By the way, we are going to
25 include comments like where potential location could go

1 because once this tower is up, with the FCC regulations
2 that are out there, once this is an approved site, with
3 co-location, it may not even come back before this
4 board. It may be approved administratively.

5 I don't know how the township is going to set up
6 their system. So I would like to, in this resolution,
7 identify where a potential location for a compound
8 shelter would go so when the time comes, we have already
9 identified a potential location for it.

10 THE WITNESS: I guess if they want to avoid
11 the conductors, I guess, there would be two logical
12 spots. One would be in the front as I just indicated,
13 like basically mirroring what we are doing now, but in
14 the front. And then, I guess, the second choice --
15 which I don't think is a very good one -- would be on
16 the opposite side of AT&T to the very south, but there
17 is a property line there. So even though PSE&G owns
18 both lots --

19 MR. SHAW: But in any event, it's not likely
20 to be further to the west?

21 THE WITNESS: I don't think it would be
22 closer to the east property line or further to the west
23 because of the overhead conductor lines.

24 MS. WILSON: So it wouldn't be at the base of
25 that same tower?

1 THE WITNESS: If a carrier came back in here
2 and wanted to go on the same tower, he is asking where
3 their compound would go.

4 MS. WILSON: And you are saying they wouldn't
5 have two compounds with the same monopole?

6 THE WITNESS: There would have to be two
7 compounds.

8 MS. FAIRWEATHER: So there would be two at
9 the same place.

10 CHAIRMAN VIVONA: Right. One in front of
11 tower and one behind the tower, in line underneath the
12 wires. But that has nothing to do with them. They
13 would have to go through the same process that they are
14 going through.

15 And luckily townships and towns still have the
16 authority to okay or deny. The state or federal
17 government or FCC is trying to bypass all local
18 municipalities.

19 MR. SHAW: Actually, that has already gone
20 through. At this point, the municipalities are in the
21 process, there was a model ordinance that was circulated
22 by the League of Municipalities for municipalities to
23 consider for co-location.

24 And, essentially, a facility which has an
25 existing cellular array on it is going to go through an

1 administrative process, but they are going to be allowed
2 under FCC regulations to go on these existing towers if
3 it meets the standards and this will meet the standards
4 for future co-location.

5 MS. FAIRWEATHER: Will that meet the ground
6 percentage standard?

7 MR. SHAW: I'm sorry?

8 MS. FAIRWEATHER: Would it meet the ground
9 percentage standard? Because you are doubling and you
10 are going outside the existing compound.

11 MR. SHAW: Oh, they are outside the compound.

12 MS. FAIRWEATHER: They have to come back
13 here.

14 MR. SHAW: Okay. You are right.

15 MR. HYLAND: How many are allowed under this
16 new rule? Is there just two?

17 MR. SHAW: Well, basically what is allowed is
18 whatever the site can accommodate.

19 BY MS. FAIRWEATHER:

20 Q. A PSE&G tower, they wouldn't go more than
21 two, correct, and in some places only one?

22 A. Yeah, I believe, so far with these new poles
23 there are all, they are either one or in some places
24 there are two.

25 Q. Because they are not a lattice tower,

1 correct, they are not as accommodating to wireless?

2 A. Right.

3 MS. KENNY: So there is not room for another
4 co-location in this unit?

5 THE WITNESS: Not within the fenced compound
6 that we were proposing.

7 MS. KENNY: Okay.

8 THE WITNESS: This is just big enough for us
9 to get our equipment into there.

10 MS. FAIRWEATHER: And what Steve and I were
11 talking about is it can't be an administrative approval
12 with a co-locator because we are expanding the compound,
13 and I also think with the percentage of increase of
14 equipment, it won't qualify. But it doesn't matter,
15 it's outside the compound.

16 MS. KENNY: I think I remember hearing
17 applications where you leave room for other
18 co-locations' equipment in the shed.

19 THE WITNESS: Usually it's big companies like
20 Sound Castle, for example, they can build a 100-foot by
21 100-foot compound with a pole; they leave room for all
22 these carriers to come in and hop on the same tower.
23 PSE&G, the way they do stuff, is they try to minimize
24 the compound.

25 MS. KENNY: So I'm thinking the Green Village

1 Firehouse panel.

2 MS. FAIRWEATHER: That's a monopole. And
3 it's built specifically for carriers.

4 MS. KENNY: It's supposed to be a flag pole,
5 but now it's just a pole. It never got the flag.

6 And I was just wondering, is there a picture of
7 what used to be an equipment shed here on the old.

8 MS. FAIRWEATHER: Was it a shed or cabinet?

9 THE WITNESS: It was outdoor cabinets.

10 MS. FAIRWEATHER: So it was the cabinets that
11 were originally proposed at the water tank.

12 MS. KENNY: So it's a lot smaller then.

13 THE WITNESS: So for the neighbors this is a
14 bigger disturbance than what they used to have, a bigger
15 change than what they used to have.

16 MS. KENNY: It's a change.

17 BY MS. FAIRWEATHER:

18 Q. Wasn't the compound about the same size as
19 the original?

20 A. It was a different shape.

21 Q. But you still have to do all the equipment.
22 Now they just put it in a shelter because it looks
23 better instead of having four or five equipment
24 cabinets.

25 MS. KENNY: And was there a fence around it.

1 THE WITNESS: Oh, yeah.

2 MS. KENNY: A chain-link fence?

3 MS. FAIRWEATHER: I can tell you.

4 THE WITNESS: According to the plans I have,
5 it was also a 7-foot-high wood composite fence.

6 MS. KENNY: I'm just trying to get an idea of
7 what it looked like previously compared to this.

8 MS. FAIRWEATHER: It's still the 7-foot
9 fence. It's in the resolution.

10 CHAIRMAN VIVONA: I think all you saw before
11 was the fence.

12 MS. WILSON: No, that is not true. You can
13 see everything was much higher than the fence. And
14 because it was whatever -- that Fort Worth pole that
15 went up the center, there were cables and a huge array.
16 All the guts were much higher than the hut, it's a much
17 smaller footprint, it's not 24 by 30.

18 MS. KENNY: So this might be bigger, but it's
19 more enclosed.

20 MS. WILSON: I guess that was part of it, but
21 the anxiety is whether they are going for a higher fence
22 with a shed or a barn or something smaller or lower but
23 back to the open style.

24 CHAIRMAN VIVONA: No, it wouldn't be the open
25 style. It would still be an enclosed building so you

1 don't have all the different height. It's one flat top
2 and then if we can go with a taller fence.

3 MR. SHAW: The other advantage, I believe, to
4 having the enclosed structure is you no longer have the
5 humming equipment noise.

6 MS. WILSON: Right.

7 THE WITNESS: Yeah. The compound before was
8 actually two different rectangles, the portion with the
9 cabinets --

10 MS. FAIRWEATHER: It's larger.

11 THE WITNESS: -- was 20-by-15. The portion
12 with the forward insert was 8-foot-by-19. So I think
13 the equipment compound was actually pretty big.

14 MS. KENNY: Okay.

15 AUDIENCE MEMBER: Can I ask a question or is
16 there a period when the public can speak?

17 MR. SHAW: We really should try to maintain
18 some order to this.

19 AUDIENCE MEMBER: Okay.

20 MR. SHAW: We will be glad to let the
21 applicant finish.

22 MS. FAIRWEATHER: I finished his questions,
23 go ahead.

24 MR. SHAW: At which point, it would be
25 appropriate to ask questions. You need to state your

1 name for the record, spell it, and what your address is
2 so we have the proper record.

3 MS. EWALD: Sure. My name is Stacey,
4 S-t-a-c-e-y, Ewald, E-w-a-l-d. And I am at 54 Nickelson
5 Drive.

6 And my interest is as these temporary poles are
7 dismantled and the cellular towers are put on poles
8 throughout town, of course, this kind of sets the
9 pattern for what is going to happen down the road. And
10 we are near one of the poles.

11 So the question I have, the old PSE&G poles were
12 lower so the cellar equipment sat lower. You have it at
13 138 feet, why can't it sit lower? Clearly, the higher
14 it is, the more you see. I mean, is there some cap in
15 terms of how high these are allowed to go?

16 MS. FAIRWEATHER: That was discussed. We
17 don't have our radiofrequency engineer here. He was at
18 the last hearing with the town's radiofrequency
19 engineer. And they talked about the propagation and the
20 coverage and the height. So that was determined as the
21 best height to cover the gap.

22 MS. EWALD: But the height was adequate
23 before because they had the equipment lower.

24 MS. FAIRWEATHER: But you are talking about
25 equipment and service that was done 14 years ago and

1 approved 14 years ago. Things change, the service
2 provider changes, the band widths change, frequencies
3 change. So that was a discussion at the last meeting.

4 MS. EWALD: So that raises the other
5 question, because you are right, everything changes.
6 These new monopoles are new technology and they are
7 running double the power through them.

8 MS. FAIRWEATHER: That we don't know.

9 MS. EWALD: Yeah, it's on PSE&G's web site.
10 It's listed.

11 THE WITNESS: What was the question?

12 MS. EWALD: The monopoles are new. You had
13 said the monopoles are new.

14 THE WITNESS: Yes.

15 MS. EWALD: And they are running double the
16 power through them or nearly double the power.

17 THE WITNESS: I think right now, you had -- I
18 think it was double -- yeah, you had a double circuit
19 line there before and you have a double circuit line
20 there now. And you have a double circuit line there
21 right now. So right now it's about the same.

22 MR. BORSINGER: Well, the pole that just went
23 up, it's 230 volts.

24 THE WITNESS: Yeah, I think the old one was
25 238 as well or 230.

1 MS. EWALD: So the question is, is there
2 agreement that there is more power there?

3 MR. BORSINGER: My impression is there is
4 more power, that's why they had to go higher.

5 MS. EWALD: Why did they go through the
6 effort of installing these if it's not to run more power
7 through it? I mean if it's not running through there
8 now, the intention is to run it through there.

9 So the question is all the studies and the
10 history behind it is based on the old technology. Now
11 you are running double the power through these monopoles
12 and tacking on cellar equipment. I mean, I can tell you
13 and I'm not on top of these poles, that when lightning
14 hits, because, of course, it's attracting, when
15 lightning hits, it used to be exciting, but not eventful
16 and now the windows shake in the house. So it's
17 eventful. And I just want to know if there are some
18 studies and analysis and if there is some history of
19 seeing how these things perform when they are co-located
20 on these new monopoles.

21 MS. FAIRWEATHER: Alec, can you talk about
22 our grounding system that is required?

23 THE WITNESS: All the PSE&G poles have a
24 grounding system. And then there is an extensive
25 grounding design that we have to go through for each one

1 of these sites for the carriers. We are satisfying all
2 the PSE&G grounding requirements.

3 MS. EWALD: What about I know we are not
4 supposed to ask about health, but that was under the old
5 standards. Have all the health requirements standards
6 been revisited with this new technology?

7 MS. FAIRWEATHER: I'm sorry you missed the
8 last meeting. And there was discussion there with both
9 the town's expert and AT&T's expert that they comply
10 with all the federal laws by a very large margin with
11 the new standards and the new equipment and technology.

12 MS. EWALD: So that's in the minutes, so I
13 can review that myself.

14 THE WITNESS: To get back into the voltage,
15 old plans do show 138 and these are 230, the poles.

16 CHAIRMAN VIVONA: Any other questions from
17 the public for this witness?

18 MS. EWALD: Can we ask to have them lowered,
19 the cellar equipment? Can we say we want the same level
20 as the last time?

21 CHAIRMAN VIVONA: I think it's all done by
22 FCC guidelines.

23 MR. SHAW: They presented testimony at the
24 prior hearing as to what the elevations were and how it
25 met their needs and requirements.

1 MS. EWALD: How it met their needs and
2 requirements.

3 MR. SHAW: The gaps in coverage. There was
4 testimony as to how the poles at this elevation
5 addressed the gaps in coverage.

6 MS. EWALD: Is there testimony as to how the
7 poles at the prior elevation met their gaps in coverage?
8 Can we ask for that before anything is approved?

9 MS. FAIRWEATHER: The town had and required
10 additional information from AT&T's radiofrequency expert
11 and he supplied them with all the information. The
12 town's expert agreed that that was the correct height
13 for AT&T to operate at.

14 CHAIRMAN VIVONA: And the town's expert also
15 went into the all the safety features about it. You are
16 welcome to review the minutes. It might answer several
17 of your questions, but all that was discussed. And I
18 don't know how much higher they are.

19 MS. FAIRWEATHER: I can tell you. The
20 original height was 127-and-a-half feet and we are at
21 138.3.

22 CHAIRMAN VIVONA: So it's 11 feet higher. To
23 me personally at my point of view, the higher up the
24 less obvious. Maybe for clarification, there are two
25 pictures here, one is below the top set of arms and one

1 is above the top set of arms. Do you know which is --

2 MS. FAIRWEATHER: Yeah. When the planner
3 comes. Why don't we wait for the planner and finish up
4 just what the engineer said?

5 MR. SHAW: Okay.

6 CHAIRMAN VIVONA: Do you have any more
7 questions for this witness?

8 Anyone else have questions?

9 MR. RUSCHKE: Just one question. I have
10 designed sanitary pump stations in very sensitive
11 residential areas, and actually some manufacturers use
12 the pre-engineered structures where the structure holds
13 all the electrical equipment, holds a generator. And
14 they can actually construct it where it's actually at
15 least some portion of it is underground. Is that
16 something that can be considered or has been done
17 before?

18 THE WITNESS: I don't think we have ever done
19 an underground one.

20 MS. FAIRWEATHER: I can tell you that
21 Princeton Township asked AT&T to look into it and they
22 couldn't do it because of mold issues, wet issues with
23 the electrical under the ground, and they just cannot do
24 it.

25 MR. RUSCHKE: Not entirely under the ground,

1 I'm thinking 2, 3 feet. And the structure that I have
2 done, you put a humidifier in it to keep the climate.

3 MS. FAIRWEATHER: AT&T has never done a
4 structure underground, and they testified that they
5 can't do it. It will hurt their equipment and it's just
6 not possible. And they don't even have buildings
7 designed for their shelters or anything. It's not done
8 in the industry.

9 CHAIRMAN VIVONA: Okay.

10 MS. FAIRWEATHER: Move on to my planner, sir?

11 CHAIRMAN VIVONA: Yes.

12 MS. FAIRWEATHER: James.

13 MR. SHAW: Were you sworn in last time.

14 THE WITNESS: No, I wasn't.

15 J A M E S D O W L I N G, 299 Madison
16 Avenue, Morristown, New Jersey, after having been duly
17 sworn, was examined and testified as follows:

18 THE WITNESS: My name is James Dowling,
19 D-o-w-l-i-n-g. I'm employed by Jacobs Engineers, 299
20 Madison Avenue, Morristown, New Jersey. I'm the
21 director of planning at Jacobs with thirty years
22 experience as a planner. I am a member of the American
23 Institute of Certified Planners, professional planner,
24 and I have testified before zoning and planning boards
25 in New Jersey, New York, and Pennsylvania on many

1 occasions and I qualified on every occasions.

2 MS. FAIRWEATHER: Haven't you testified here?

3 CHAIRMAN VIVONA: And you testified before us
4 also?

5 THE WITNESS: I have, yes.

6 CHAIRMAN VIVONA: Okay. Thank you.

7 EXAMINATION BY MS. FAIRWEATHER:

8 Q. Jim, from a planning perspective, we are
9 going back to a site where we already received a
10 variance for the use of that site, but there are
11 additional variances I need, such as the height
12 variance, the rear yard setback, which we have made
13 better, that length of the driveway, and the height of
14 the antennas, which are supposed to be 5 feet, but they
15 are actually 6 feet.

16 From a planning perspective, can you go ahead and
17 explain the variances I need, maybe start off with the
18 photo sims, because that usually answers a lot of
19 questions; can you to that?

20 A. Sure. We can go back to these.

21 Q. Can you lay the foundation for the photo
22 sims, please?

23 A. Sure, so these are the photo simulations that
24 I created and worked with a graphic artist who, on a
25 regular basis, go out, take a photograph digitally and

1 then superimpose that scale, and so on and so on. And
2 some of these have been passed around the room, but they
3 haven't been marked in evidence. What is the?

4 MR. SHAW: A-26.

5 (Applicant's Exhibit-26 marked for
6 identification.)

7 Q. What are we going to call A-26?

8 A. This is Photo Simulation Board No. 1. The
9 plans only changed a day or two ago so these boards have
10 not been brought up to date in terms of the 15 foot move
11 of the compound. So we should keep that in mind. These
12 are more about what the compound would look like with a
13 7-foot fence and a flat roof, 10-foot-3-inch structure
14 inside of it. And then the antennas at the top, which
15 haven't changed at all.

16 So the first photo simulation, which is looking
17 south on Shunpike Road and you can see here where the
18 gravel driveway would be. There was actually a car
19 parked there that day looking directly at the tower
20 approximately 225 feet away from it. If you look at the
21 bottom simulation, you'll see at the top of it is the
22 structure above the top arms of the existing tower with
23 the antennas on it.

24 And then at the bottom of it is the compound
25 itself which has the 7-foot fence, the 10-foot-3-inch

1 tall structure within it, which as we mentioned before
2 was beige. And you can see it's to the left of the
3 tower.

4 And what we were talking about earlier this
5 evening, would moved it 15 feet to the west. So that
6 would effectively put it directly behind that existing
7 monopole. So that is Exhibit A-26.

8 I will go to the next one, which would be Photo
9 Simulation Board No. 2, Exhibit-27.

10 (Applicant's Exhibit-27 marked for
11 identification.)

12 THE WITNESS: Now, on this one we are looking
13 from Robinhood Lane near Shunpike. We are about 650
14 feet away. So there is a more distant view with houses
15 and with foreground. And in this one the base,
16 obviously, would be visible, which would be many
17 people's experience of it as you get a block or two
18 away, the base of the tower won't be visible. So if you
19 look at the bottom one, what would really be visible
20 would be the antennas and the structures holding the
21 antennas at the very top of it here.

22 Now, this again was taken when there is no tree
23 or leaf cover; obviously, at this point in time right
24 now, most likely if you go to this same point, there
25 would be very little of it visible because of the heavy

1 tree cover in the area.

2 So that is Photo Simulation Board No. 2.

3 We will go to number three now. Exhibit A-28.

4 (Applicant's Exhibit-28 marked for
5 identification.)

6 THE WITNESS: This one is also passed around,
7 but Photograph Stim Board No. 3, Exhibit A-28. It's a
8 view from Pine Street. We are about 600 feet away. So
9 we are further down the line. And we were up in
10 elevation. Obviously, Pine Street is significantly
11 higher. So we are looking down at the site. So if we
12 can look at the bottom, that gives a good perspective of
13 what this would be like. We are looking down into the
14 compound. We see more of the building since we are
15 looking down on top of the 7-foot fence. We see the
16 roof of the structure within the compound.

17 And in this incidence, we would also see the
18 wires on the back side of the pole itself that carries
19 the radiofrequency signals from the antennas down to the
20 equipment within the compound. So that would be a view
21 from Pine Street looking that way.

22 So those are the photo stimulations --

23 MS. FAIRWEATHER: If you could go back to
24 that, there is a lot of vegetation going down this row,
25 correct? And this was taken in the worst possible time

1 of year. Talk about that.

2 THE WITNESS: Yeah. The vegetation near the
3 adjacent property line is quite heavy. I was there
4 again tonight, which is probably the fifth time I have
5 been to the site, each time the leaves have come out.
6 We are pretty much at maximum leaf cover at this point.
7 It's exceptionally heavy. In fact, I tried to get a
8 sense of the height of the trees based on where they
9 fell in the arms. And some of the trees are actually in
10 the area of 70 to 80 feet tall. Some are smaller
11 obviously, 40, 50, 60 feet.

12 There is a mix of trees, there are conifers,
13 which, obviously, would have leaves all year round. And
14 there are deciduous trees. It's a rather deep tree
15 line. I'm not sure of the exact distance, but it
16 appears at least 10- or 15-feet deep to the fence that
17 lays behind it. So at this point in time there is
18 limited opportunity for the views for that tree line.
19 Now, obviously, when the leaves fall, there is more
20 opportunity to see what would occur behind there.

21 And, again, also the move of 15 feet allows the
22 ten existing shrubs, which are there right now to
23 remain. And those shrubs, when I was out there tonight,
24 I estimated on the order of 7-, 8-, maybe 9-feet tall.
25 And there are ten of them out there. So that as a

1 secondary blockage from adjoining area yards would
2 remain in place.

3 Q. Now, can you address my variances?

4 A. So as we discussed earlier, this site had
5 been approved previously when it was on top of the
6 lattice tower. And this board, maybe some of the same
7 members, maybe different members, but the zoning board
8 at least went through the entire process and agreed on
9 all the proofs that it needed to, that the site was
10 particularly suited to that use, that there was no
11 substantial detriment, you wouldn't impair the zone
12 plan. And in effect at that time, the board said that
13 the existing vegetation and trees would also help to
14 mitigate the potential visual impact, which was the same
15 conclusion that I made when I had been out to the site.

16 So that is sort of the history in a nutshell. We
17 are in the R-3 zone district. It's a single-family
18 zone, obviously. There are many single-family homes in
19 the neighborhood, a Lutheran church across the street,
20 the high school athletic fields are not far off and then
21 Shunpike Road, which is a major connective road in the
22 area.

23 The R-3 zone requires a 50-foot front yard, a
24 50-foot rear yard, and a 15-foot side yard. So we are
25 not impacting any side yards as part of this

1 application.

2 Now, there is the wireless ordinance in town and
3 it says that no cell towers can be closer than 100 feet
4 from the R zone. And that's why a use variance was
5 granted the first time around. So effectively they are
6 not permitted in this zone. So that's what the existing
7 zoning says about it.

8 What we are asking for now is we are asking for a
9 D6 variance, a height variance because we are higher
10 than we had been approved previously; we are
11 10-and-a-half feet higher; we are at 138 feet
12 approximately.

13 It's my belief we were given a D variance, a use
14 variance, previously and we don't need to request that.
15 And the board might feel differently. And if we do, I
16 am certainly prepared to talk about proofs. For that,
17 we also need some C variances in terms of the rear yard
18 for the accessory structure, 50-foot is required and we
19 are at approximately 20.1 feet with the changes that we
20 had talked about. It had been 22 at the last meeting,
21 it's 20.1.

22 Also, as Judy had mentioned, the panel antennas,
23 5-foot maximum, we are proposing 6-foot. The fence
24 height, 6-foot is required, 7-foot was proposed.
25 Although, we had been granted a 7-foot fence previously.

1 It's in a slightly different location. I guess it's up
2 to the board whether that variance carries over or
3 whether we need a new one.

4 And also the length of the driveway in the R-3
5 zone, which really is more focused toward residential
6 use; but, nonetheless, 150 maximum is required and we
7 are proposing a 240-foot driveway basically because
8 that's how far the tower is from the roadway.

9 Again, what I will do is briefly talk about some
10 of the proofs. And I am happy to engage in a discussion
11 and answer questions.

12 In regards to the positive criteria, I believe
13 this site is particularly suited and remains
14 particularly suited as a board had determined
15 previously. We do have an FCC licence, which shows that
16 the general welfare is met. There has been testimony
17 indicating that there is a gap in service here. We have
18 an existing tower that is replacing the previous
19 existing tower. The heavy adjoining tree coverage that
20 I had mentioned.

21 And as I said, the board had previously
22 determined that this use did promote the public welfare,
23 and that this site was particularly suitable. So for
24 those reasons, I believe it remains so.

25 In regard to the negative criteria. I would

1 begin by talking about the substantial detriment. And
2 it's my belief that we do not create a substantial
3 detriment. There is no smoke odor, glare or dust
4 associated with this. There is minimal traffic. The
5 noise will not exceed the limits that are set by law.
6 Really, the only way that one understands it is there is
7 the visual change. I guess what you can really compare
8 it to is the visual change from the previous wireless
9 installation that had been there. We are slightly
10 higher, a little more than 10 feet. And the compound is
11 a little bit different. Based on the measurements we
12 heard earlier, the compound is a little bit smaller in
13 size. We've attempted to move it as far away as PSE&G
14 would allow us to. So for all those reasons, I don't
15 believe there is any substantial detriment.

16 In regards to the question, the second half of
17 the negative criteria, impairing the zone plan and the
18 ordinance, I don't believe that we do that either. And,
19 again, one of the reasons being that this site, at least
20 in its previously incarnation, the board determined that
21 we did not impair the zone plan or ordinance. And I
22 don't believe the change that has occurred between now
23 and then is substantial enough to differ with the
24 board's opinion from then.

25 The tower already exists in this location and, in

1 fact, if we did try to locate in a zone that would meet
2 the ordinance, I looked at the zone map; the nearest
3 zone that would allow us to locate by right is over
4 7,000 feet away. So it's nearly a mile and a half. So
5 that is a substantial distance. And that certainly
6 wouldn't meet the propagation requirements for the gap
7 in frequency. The gap in service we are trying to
8 service is right in this location. So for all those
9 reasons, I don't believe we impair the zone plan in the
10 ordinance.

11 Q. I'm going to interject because you are
12 talking about the zone plan and the zone ordinance. We
13 are on a temporary site also in the R-3 zone. So
14 allowing us to go back to the original location does not
15 cause another tower to be placed in Chatham, whereas if
16 we are not, we already proved we have a gap, so then
17 there would be an additional tower in the zone, which
18 would be contrary to their ordinance, correct?

19 A. We would go losing one tower, replacing it
20 with another. If we were not able to locate here. I
21 can not read the future, read the tea leaves, what would
22 happen. But perhaps there would have to be another
23 free-standing tower located in some other location. So
24 I believe that is be a good point. That that would be a
25 consideration, as well.

1 So in terms of the D-variance for the height,
2 certainly, and also for the use, even though I believe
3 that already exists, I think we meet the criteria.

4 The next question is C variances for the rear
5 yard, antenna height, and the fence height. I believe
6 that granting those variances does advance the purpose
7 of the Municipal Land Use Law. Certainly, the purpose
8 B, which has to do with securing safety from fire and
9 flood in emergencies and disasters. This facility
10 clearly has the ability and these facilities have been
11 used under those circumstances before. I believe there
12 is no substantial detriment related to those C
13 variances.

14 The rear yard that we are intruding into is not a
15 residential property line. It's within this utility
16 right-of-way. We are not asking for a variance to the
17 side yard, which would be to the residential property
18 line.

19 The antennas themselves, they really need to be
20 that height, that is the size antennas that PSE&G uses
21 for a facility of this type.

22 And it's also true of the driveway, we can't
23 really make the driveway any shorter. It needs to be
24 that length to reach the tower.

25 Also, I believe the benefits outweigh the

1 detriments, the benefits being access to
2 telecommunications, the ability to use the existing
3 tower rather than build another free-standing one. And
4 the fact that the visual change from what existed before
5 compared to this new one is really quite minor.

6 And then, finally, I believe again that the C
7 variances would not substantially impair the zone plan
8 and zone ordinance for many of the same reasons that I
9 mentioned before that we had already existed on this
10 site, that's it's a passive use, and we really need to
11 be in this location to fill the gap in service.

12 So for all those reasons, it's my belief that we
13 would meet the test for the D variance as well as the
14 test for the C variance.

15 MS. FAIRWEATHER: That concludes our
16 presentation.

17 CHAIRMAN VIVONA: I have a few questions, but
18 I don't know if you are the one I should be asking,
19 maybe Ms. Fairweather can help out. Why do the antennas
20 need to be 6 foot as opposed to 5 feet?

21 MS. FAIRWEATHER: Those are the standard
22 antennas used by AT&T. Your ordinance had been done a
23 long time ago, before the telecommunication had
24 progressed to what it is and that's the standard antenna
25 size now. It has to do with the usage now, the phones

1 are used for more things so the antennas need to be
2 longer in order to use the frequencies in order do voice
3 and everything else that people do now, correct?

4 THE WITNESS: It's my understanding now that
5 since the systems don't just carry voice anymore, they
6 are more focused, or focused on Internet usage, that has
7 necessitated the need for these larger antennas that
8 also carry additional equipment imbedded within them.

9 CHAIRMAN VIVONA: So this is the new
10 standard?

11 THE WITNESS: Yeah. That's what I have seen.

12 CHAIRMAN VIVONA: The driveway is just going
13 to be gravel.

14 MS. FAIRWEATHER: Correct.

15 CHAIRMAN VIVONA: One lane.

16 MR. NORRIS: Yes.

17 CHAIRMAN VIVONA: 12 feet, I think it is.

18 MR. NORRIS: Twelve.

19 CHAIRMAN VIVONA: So even the gravel will
20 basically fade into the look after a while.

21 The other one is more of a statement. Looking at
22 the pictures, the monopoles are taller, but personally I
23 think they look a little better than the old rusty
24 lattice style, and the old rusty lattice style are
25 scheduled to come down anyway.

1 MS. FAIRWEATHER: And get replaced.

2 CHAIRMAN VIVONA: So it does take up less of
3 a footprint. And I guess the new towers would be the
4 same height at the other towers, thereabouts.

5 MS. FAIRWEATHER: That's PSE&G.

6 CHAIRMAN VIVONA: PSE&G, not you guys.

7 MS. FAIRWEATHER: Right.

8 CHAIRMAN VIVONA: Okay. Any questions for
9 Mr. Dowling?

10 MR. SHAW: I'm not sure it's a question for
11 Mr. Dowling, but it's the question that had come up
12 before. If you are looking at your proposed view of the
13 tower from the south from Shunpike Road and you look at
14 the antenna, it's on the top of the structure. So I
15 guess what my question is, because there were some
16 question of why are you raising the height of the
17 antenna? Is part of it because the antennas are
18 designed to go on top of the towers?

19 MS. FAIRWEATHER: It's two fold, one is the
20 height we can get on the existing monopoles because
21 there are certain places that PSE&G will allow you to go
22 because you have the electrical energy going around the
23 tower. And they push it to the top. Our last one was
24 at Fort Worth and still on top of the poles. They like
25 you away from the transformers.

1 MR. SHAW: So as the first locator on this
2 tower, the location that PSE&G would want you on is the
3 top of the tower?

4 MS. FAIRWEATHER: The first one, yes, they
5 want you out of the way. And I know we are talking
6 about co-locators and I know it's because Sprint is on
7 that temporary tower site.

8 MR. SHAW: But I know that Sprint is not
9 planning on --

10 MS. FAIRWEATHER: They are not planning on
11 coming here.

12 MR. SHAW: They are out of the borough
13 actually.

14 MS. FAIRWEATHER: So I don't know if you
15 really will get co-locators, but the carrier and PSE&G
16 prefers the first one at the top and if they have to do
17 more, then they will find a safe way.

18 MR. NORRIS: It's easier construction-wise to
19 put them on the top, the platform at the top.

20 CHAIRMAN VIVONA: So if someone co-locates,
21 they can't bolt their antennas next to yours and on the
22 same nest, it has to be on a separate nest.

23 MS. FAIRWEATHER: Yes, because there has to
24 be a 10-foot separation in order for the system to work.
25 That's why if you see a monopole that's just designed

1 for carriers, you see a rack of antennas or array of
2 antennas and then you go down and you see another one
3 and another one, that's about a ten-foot separation.

4 MR. BORSINGER: Is that a question dealing
5 with the burden for neighbors, has there ever been a
6 study or a case where the value of surrounding
7 properties has been contested with what results from
8 putting one of these facilities in, the value of the
9 surrounding properties?

10 MS. FAIRWEATHER: Yes, actually there is a
11 New Jersey Supreme Court case. And I think it was
12 Ho-Ho-Kus. The supreme court found, because there
13 actually is an appraiser who studies this. One of his
14 expert areas is he studies towers and houses and their
15 value before and after the tower goes up, and he found
16 that there isn't a difference. And he went study after
17 study in this Ho-Ho-Kus case. And the supreme count
18 found that it was valid. That, yes, there are some
19 people who don't want to live by antennas, but in
20 regards to the days on the market and the actual price
21 that it got, there was really no difference.

22 MR. SHAW: Also, in answer to your question
23 on other cellar tower applications, we have had
24 testimony presented to us as to whether or not there was
25 adverse impact, and, in fact, whether the board is

1 satisfied with what that testimony is, is one of issues
2 which will be reviewed when there is a appeal by the
3 board -- a decision based on the board's denial of the
4 Buxton water tower.

5 I think what the question here is though is this
6 was a site which previously had had a cellular tower on
7 it, and is simply being placed back. But in terms of
8 qualitative proofs, we did have on another application
9 professional testimony as to property value and as to
10 whether that was legitimate testimony or creditable
11 testimony is something that will be resolved in the
12 impending appeal, which we actually have a case
13 management conference on that -- just for anybody's
14 information -- on the 29th of June.

15 MS. KENNY: I have a question on the light,
16 is that going to be on a motion detector?

17 MS. FAIRWEATHER: No. What we talked about
18 last time is to put it on a switch, so if there are any
19 deer or animals running around, the light won't go on
20 and off all day, a switch with a timer. So if for some
21 reason the tech forgets to turn it off.

22 MR. NORRIS: I don't know if we discussed the
23 timer on it.

24 MS. FAIRWEATHER: What would be standard,
25 Alec, a half hour, an hour?

1 MR. NORRIS: I don't think it's that long.

2 MS. KENNY: They usually don't come at night,
3 only if it's an emergency.

4 MS. FAIRWEATHER: They usually come Monday
5 through Friday during regular hours.

6 MS. KENNY: I did listen to the tapes, but I
7 dozed on that one.

8 MS. FAIRWEATHER: And we talked about putting
9 a shield to have the light shining down.

10 CHAIRMAN VIVONA: And the light would be
11 below the fence anyway.

12 MR. NORRIS: If the fence was 7 or 8 foot, it
13 would probably be the height of the 8 foot, I am
14 guessing.

15 CHAIRMAN VIVONA: With the shield, it would
16 be barely noticeable. And, again, it would be only on
17 emergencies. Bob, do you have anything?

18 MR. MICHAELS: Yeah. I want to talk about
19 the -- I had my letter that I thought seeking a D
20 variance, as well as a D-6 variance for height. The
21 reason I had that statement there is because of the fact
22 that the tower is moved, the antenna is moved to a
23 different location, it's in a higher location, it's a
24 new compound, it's a different compound. So even though
25 the board granted a D variance, and I think the board

1 can take notice of that and I think that testimony has
2 been given for the D variance, but I think to be
3 conservative, that the board should judge on both the
4 D-1 variance and a D-6.

5 MR. SHAW: We have had testimony this evening
6 as to how this facility does meet the need, right?

7 MR. MICHAELS: Yes, there has been testimony.

8 MR. SHAW: When the board makes a decision on
9 this, we should include a D-1 variance, in your opinion?

10 MS. FAIRWEATHER: And I realize the board
11 will do that, so I want to put on the record that it's
12 the same lot and block. So I disagree with that, but do
13 whatever you need to do.

14 MR. MICHAELS: One other thing, there may be
15 another photograph simulation that shows the cabling
16 that goes up the one side of the pole. Can that cabling
17 be the same color as the pole? It is shown as black. I
18 am wondering if the cable can be the same color as the
19 pole so it doesn't stand out as much.

20 MR. NORRIS: I think in the past there have
21 been times when we have been able to paint them. We
22 have to verify that.

23 CHAIRMAN VIVONA: The poles are galvanized so
24 you can do that.

25 MS. FAIRWEATHER: Silver.

1 CHAIRMAN VIVONA: Not even silver, maybe
2 gray, just something that blends in a little bit.

3 MS. FAIRWEATHER: If the condition could be
4 if we seek PSE&G's permission to paint it gray to match
5 the tower, and if they approve, we paint it, but if they
6 don't, there is nothing we can do about it.

7 MR. MICHAELS: That's all I have.

8 CHAIRMAN VIVONA: John, do you have anything
9 to add?

10 MR. RUSCHKE: Nothing more.

11 CHAIRMAN VIVONA: Any questions for Mr.
12 Dowling from the board?

13 Anyone from the public have any questions for Mr.
14 Dowling? Please stand, state your name and address,
15 please.

16 MR. WILSON: Hi, my name is Charles Wilson.
17 I live at 30 Robinhood Lane in Chatham, one of the guys
18 who are directly -- this structure is directly behind
19 our house. A couple -- I missed some of this. If there
20 was another co-location, and I know that is not being
21 contemplated here, I understand, I got the testimony.
22 There would be different points where the antenna would
23 be, right, there has to be a 10-foot variance, they
24 can't be on top of each other. There would be another
25 compound, too, right?

1 MR. SHAW: There would have to be another
2 compound.

3 MR. WILSON: So we would be adding another
4 compound onto that. I just want to get that straight in
5 my head; there would be two compounds.

6 MR. SHAW: Yes.

7 MR. WILSON: I guess the other thing that I
8 had a question about is, obviously, we had the old one,
9 the old setup behind us. It seemed like it was
10 completely open and there was a big arm coming out of
11 it. But the one thing we noticed immediately when we
12 saw the stakes put in the ground, laying out the
13 footprint for this current structure, again, I am
14 looking at these pictures. It's difficult to understand
15 scale. But it certainly appeared to us that it is a
16 bigger structure.

17 Now, I have heard testimony saying that it isn't,
18 but I know what it looked like before and I know what
19 the compound looks like with the stakes put in the
20 ground. And I look at something like this and, boy, it
21 didn't look anything like this. I mean, it was a
22 smaller, there was just the concrete. It just seemed
23 not as big.

24 And I guess the other question I have is on the
25 last one, I know you talked about the wire. On the last

1 one, one of things we were particularly not happy with
2 was there was this big ugly arm that stuck out that went
3 right across. I'm still not 100 percent sure, is that a
4 feature of this structure? And maybe there is further
5 testimony to that.

6 MR. NORRIS: Yeah. The cable bridge,
7 basically, in order to get the cables from the shelter
8 up to the antennas is going to cross over on a cable
9 bridge. PSE&G standard is to have a 10-foot high cable
10 bridge because they don't want kids climbing on it.

11 MR. WILSON: Do I see the cable bridge on any
12 of these?

13 THE WITNESS: Yeah, you do. You may not, but
14 it's there.

15 MR. WILSON: It's there, I may not see it,
16 but it's there.

17 MR. NORRIS: And the compound is a little
18 bigger.

19 MS. FAIRWEATHER: Wait. Wait. The compound
20 side from the last compared to the two areas is smaller.

21 MR. NORRIS: The compound previously was a
22 little bit smaller; however, what I would argue is that
23 because of its irregular shape, it probably had a bigger
24 visual footprint than the current compound has.

25 MS. FAIRWEATHER: See what I did was I took

1 it and added it together.

2 MS. WILSON: Janice Wilson, 30 Robinhood
3 Lane.

4 So this picture of the barn that we are supposed
5 to be looking at to get the visual structure of what we
6 are seeing doesn't include a picture of -- so there is
7 not --

8 MR. SHAW: I would suggest rather than
9 looking at this barn picture, which is simply added as a
10 potential thing to look at, what the applicant proposed
11 and what is depicted in the drawing is a compound
12 shelter, which is 10-feet tall -- actually,
13 10-feet-3-inches tall, with a sloping roof --

14 MS. WILSON: From last time, got it.

15 MR. SHAW: That's --

16 MS. WILSON: But I'm concerned about, I
17 thought all the guts were going to be contained inside
18 of a structure and now --

19 MR. SHAW: They are.

20 MS. WILSON: So there is a cable bridge all
21 visible outside of the structure --

22 MR. NORRIS: So there is an arm right here --

23 MS. FAIRWEATHER: There is going to be a
24 cable bridge --

25 MS. WILSON: -- so the fence and the height

1 and the --

2 THE COURT REPORTER: You all can't speak at
3 the same time.

4 MR. WILSON: So it will all be part of the
5 structure, okay, but this compound is bigger.

6 MR. NORRIS: Which compound?

7 MS. WILSON: The proposed one.

8 MR. NORRIS: Well, don't point at that,
9 that's not --

10 MR. WILSON: Yeah, all right, I shouldn't.
11 But that is the point I want to make. There is not.
12 Because I know there is testimony saying this was
13 actually smaller. You can clearly see it. When you
14 talk about two compounds last time, I don't even know
15 what you are talking about because we have basically,
16 from what I can see, one area.

17 MR. NORRIS: There was one compound. You
18 basically had one area with the equipment and then the
19 extension which went to the pole. So it was actually an
20 irregularly shaped.

21 MS. WILSON: It was inside. Fort Worth was
22 underneath the old lattice tower, in the center going
23 up. So it didn't sort of take up more space, it was
24 just going up the middle.

25 MR. NORRIS: But it was part of the compound.

1 MR. WILSON: I just wanted to make those
2 points as we consider this.

3 CHAIRMAN VIVONA: Dully noted.

4 The square-footage wise, what was staked out was
5 actually the fenced area, so that's what the compound
6 is, but the building itself is within that. And I think
7 when they calculated the square footage, they added the
8 two separate irregular shapes so square footage wise,
9 it's half -- you know, six, one-half dozen the other,
10 but square-footage wise it is smaller. And, again, the
11 barn picture was brought to show an alternative to a
12 square structure. And we will take that into
13 consideration, which we feel, you guys feel, as well, is
14 the least intrusive building.

15 MS. WILSON: Can I just ask a point of
16 clarification? Because part of what is appealing at the
17 last meeting when we were talking about an enclosed
18 structure barn or flat roof, whatever, was that we were
19 imagining it was going to enclose everything, all the
20 sound, all the noise, all the equipment. But the fact
21 that whatever structure you have, there is this whatever
22 the mechanical arm is, the bridge.

23 MR. SHAW: It encloses all the equipment, but
24 it does not enclose the bridge structure, which is 10
25 feet above the --

1 MS. FAIRWEATHER: The bridge is cable, it
2 makes no sound.

3 MS. WILSON: So it's 10 feet above whatever
4 structure.

5 CHAIRMAN VIVONA: No, it's 10 feet above the
6 ground.

7 MS. WILSON: So us that a visual issue
8 because we have a 6-foot fence. And all the trees that
9 you are talking about that give it a nice block are the
10 ones that we paid for and planted because of the last
11 time this was approved. So that's all on me. And many
12 feet have been cut back, believe me.

13 So my concern is when everything is gone and I
14 have my 6 -foot fence and I can look straight through
15 and there is a 7-foot fence and a 12- or 13-foot barn
16 and a mechanical arm, I am just trying to get a visual
17 of like how far back it can get pushed and what can be
18 in the middle versus what can be closer to my property
19 line in my back yard. Especially from the second floor,
20 which I can see.

21 You pull in my driveway and the diving platform
22 is visible. When our kids were little and this first
23 went up, that's how we told them if you ever get lost,
24 look up at the diving platform and that is our house.
25 So when you talk about the tree line, we don't have a

1 tree line that covers the diving platform. And that is
2 what everybody in the neighborhood calls it.

3 So we are very focused on the visual and clearly
4 the impact to property value because it's visible when
5 you pull into the neighborhood. It's not the barn, it's
6 everything else. Your eye goes right up to the top,
7 that is a monopole that has something square on the top.
8 That's our concern. We are being picky on the about the
9 only details that we have any input on. So that is, I
10 guess, the point.

11 MR. WILSON: Just one further question. We
12 have not decided on the structure itself, whether it's a
13 barn or a flat roof.

14 CHAIRMAN VIVONA: We have not.

15 MR. WILSON: And the one question I have
16 before, in the old structure, right, nothing was
17 enclosed, per se; is that right?

18 THE WITNESS: It's my belief there were
19 cabinets in there within the fence.

20 MR. WILSON: But it was not enclosed.

21 THE WITNESS: There wasn't a building.

22 MS. WILSON: But we are going to decide at
23 this meeting what that structure is going to look like?

24 MS. FAIRWEATHER: It's up to the board.

25 MR. WILSON: Up to the board.

1 MR. WESTON: I have a question concerning
2 engineering and co-location. You testified this evening
3 that usually those towers accommodate one carrier,
4 occasional two. I'm particularly interested in a
5 co-location question in itself. Does the existence of
6 one carrier at a particular tower make it easier or less
7 difficult or more difficult to bring in another carrier
8 at the same site?

9 MR. NORRIS: Not necessarily. The poles that
10 have gone up, the new poles that have gone up typically
11 we are seeing that one carrier is going on them, but
12 there are a couple of sites where there are two.

13 MS. FAIRWEATHER: And to go back to the
14 difficulty, PSE&G likes it above and when the poles are
15 200 to 300 feet apart, as is the case here, AT&T can go
16 on one pole and Sprint can go on another pole and they
17 are both above.

18 MR. NORRIS: Yeah. Realistically, if the
19 easiest way is to go on the top and the carrier wants to
20 go on the top, a lot of times what they will do is pick
21 the next tower up.

22 MS. FAIRWEATHER: Because it's so close from
23 a RF standpoint that it doesn't matter.

24 MR. NORRIS: But if another carrier wants to
25 go on this particular tower, PSE&G will do their best to

1 accommodate them. And the platform would have to be
2 between the arms, so it just wouldn't be at the top.

3 MR. WESTON: They would bring another
4 compound in?

5 MR. NORRIS: That's correct.

6 MR. WESTON: And would the existence of an
7 exhibiting compound make it more or less difficult?

8 MR. NORRIS: It makes it easier in terms of
9 the you already have the gravel access driveway and you
10 already have the telephone back to the AT&T compound.
11 So in terms of the electrical, telco, and access, it
12 would be easier. But everything else they have to do
13 themselves.

14 MS. FAIRWEATHER: And in terms of the zoning,
15 they have to come here and do the proofs because they
16 are going outside an existing compound. So from a
17 zoning standpoint, it would be just as difficult as
18 this. From an engineering standpoint, it would be
19 easier.

20 MR. WILSON: One question: Given the fact
21 that they you have the variance, they couldn't piggyback
22 on your variance; is that correct?

23 THE WITNESS: No.

24 MR. WILSON: So there is no grandfathered
25 variance as was in this case.

1 MS. FAIRWEATHER: The variance was given to
2 AT&T.

3 CHAIRMAN VIVONA: Okay. I think we should
4 put our heads together on what --

5 MS. FAIRWEATHER: Closing first --

6 AUDIENCE MEMBER: Can I make one more comment
7 slash question comment? Unfortunately, I couldn't find
8 the minutes.

9 THE COURT REPORTER: Can you identify
10 yourself?

11 MS. EWALD: Oh. Stacey Ewald. 54 Nickelson
12 Drive.

13 I don't have the benefit of the minutes, because
14 they are not on the website. On the topic of the
15 aesthetics somebody had said that they thought higher is
16 nicer, but the reality is that most people are not
17 looking dead on, they are looking from a side view. And
18 the oak trees provide a natural barrier, so in most
19 cases, the lower the equipment is, the better. And
20 clearly now so these people can co-locate lower,
21 functionally, it will work. It's just a matter -- I
22 mean, you guys heard the testimony in terms of what the
23 service gaps are. I don't know what the difference in
24 the service gap is when you go 10 feet lower versus 10
25 feet above.

1 But, aesthetically, and I can tell you,
2 antidotically, we have two properties for sale above the
3 site, closer to the towers, when the old towers were
4 lower in place, tons of people coming in, interest. The
5 old towers went down, the new monopoles went up and that
6 interest died out.

7 And when you talk about real estate values, those
8 realtors are smart and they pulled those properties off
9 the market and reset them at a lower price the next
10 year.

11 So there are issues with aesthetics and in terms
12 of the visuals you have to think about the angle of
13 sight from most points in town. And wherever we can
14 minimize relative to the proof that there is, you know,
15 really a gap. That would be helpful.

16 MS. KENNY: So if you -- Kali can give you a
17 tape of the meeting or a CD, so if you just call her
18 tomorrow, that way you can read it.

19 MR. SHAW: We actually just approved the
20 minutes tonight.

21 MS. TSIMBOUKIS: It will be on the website
22 tomorrow.

23 MS. EWALD: Wonderful. Thank you.

24 CHAIRMAN VIVONA: So if there are no other
25 comments, counsel will do closing. Any other comments

1 from the public?

2 None heard.

3 MS. FAIRWEATHER: I know whenever we do
4 applications to put antennas up it's -- there is always
5 someone that it interferes with or there is always
6 someone who lives by it and there is always someone who
7 is against it. The problem is that telecommunications
8 and wireless is our communications system. I used to be
9 able to say that 30 percent of new homes no longer have
10 land lines; it's now up to 45 percent. People are using
11 wirelesses. That is our telecommunications service.
12 And, frankly, you are going to be able to see the
13 antennas, the antennas have to be above the tree line in
14 order for the line of sight to work that you heard over
15 and over again between experts and Dr. Eisenstein, they
16 have to be there. Instead of looking at the telephone
17 poles that have the lines draped that are everywhere
18 that used to be your telephone service, now they are
19 poles.

20 You have an existing transmission tower that is
21 the best place for us to go. You've already found one
22 place for us to go, the pole actually looks better than
23 it used to look. Yes, the antennas are 11 feet higher.
24 The compound is nicer, it's now enclosed. There is a
25 temporary site, there is a pole. That once we relocate

1 and get to go on a tower, that pole comes down. So you
2 are going to have one less pole in the R2 zone. We were
3 approved to go temporarily so we could come back to
4 PSE&G. PSE&G poles make sense when they work from an RF
5 standpoint. And I ask that you please grant our
6 application.

7 CHAIRMAN VIVONA: Okay. Before we do that,
8 we haven't decided on the structure, barn or -- the barn
9 looks to be 14- or 15-feet tall or the 10-foot-3-inch
10 tall standard structure.

11 MS. KENNY: I think the standard structure
12 looks smaller. I think it's minimal disturbance, less
13 than the other one. Even if you paint it red, tan, or
14 brown, I just think keeping it as small as possible, as
15 low as possible is the way to go.

16 CHAIRMAN VIVONA: Everybody in agreement with
17 that?

18 MR. BORSINGER: I agree with that.

19 MR. HYLAND: I suggest we take a vote for a
20 12-foot-high fence to cover the mechanical arm and the
21 bridge.

22 CHAIRMAN VIVONA: It won't cover it with 12.
23 The bridge goes from where the fence ends over to the
24 tower.

25 MR. HYLAND: Oh.

1 CHAIRMAN VIVONA: So the bridge has to be
2 exposed.

3 MS. KENNY: I think there was something like
4 a 10-foot fence, they get wobbly and might fall down.

5 MS. FAIRWEATHER: Can Alec just talk about
6 what PSE&G allows?

7 MR. NORRIS: Their preference is not to go
8 above 8 because in their experience when the
9 construction goes 10 feet high, the construction does
10 not hold up for whatever reason. I don't know if the
11 contractors don't know what they are doing. I am not
12 sure. So their preference is to not to go higher than
13 8. But I think there was one or two sites that they
14 allowed 10.

15 CHAIRMAN VIVONA: Are you applying for a
16 variance for fence height already?

17 MS. FAIRWEATHER: Yes, we are. Because your
18 ordinance allows 6 and we proposing 7.

19 CHAIRMAN VIVONA: If we grant a fence
20 variance, we could grant an 8 foot, which leaves very
21 little of the building exposed.

22 MS. KENNY: Bob, what do you think?

23 MR. MICHAELS: You can look at the exhibits
24 and see how much of the building is exposed. I don't
25 think it's going to be a big difference between 7 and 8

1 feet. And it's perhaps just a foot or two of the
2 building that is going to be exposed. So it's really a
3 judgement call. I don't have a strong opinion one way
4 or the other whether it be 7 or 8.

5 MR. WESTON: I would probably argue to go to
6 7 feet for this reason: If you are trying to mask
7 something, you are creating a solid mask that is 8 feet
8 tall. This way with the 7 foot, you are in a sense
9 creating an architectural setback, which is something
10 you do to recuse the visual impact of a mass. So it's
11 not quite the same thing, but visually, I think -- I
12 don't think you can hide something behind an 8-foot
13 fence and no one is going to know what is going on
14 behind it.

15 CHAIRMAN VIVONA: We will still see some of
16 the structure.

17 MR. WESTON: You will still see some of it,
18 but I think by bringing it down a little bit lower, and
19 then having the difference between the fence and the
20 structure, you in a sense create an architectural
21 setback. And that I think tends to reduce that. That's
22 why you do it in buildings.

23 CHAIRMAN VIVONA: Also, the plantings will
24 look minute against that fence.

25 MS. FAIRWEATHER: Can you talk about a solid

1 fence at the same height or a little scalloped?

2 MS. KENNY: Bob? I like the straight, but I
3 don't know. It's just a personal thing.

4 MR. MICHAELS: The scalloped doesn't do much
5 for me.

6 CHAIRMAN VIVONA: Go straight, because you
7 are measuring 7 foot to the top of the finials, so you
8 are actually in the center of that fence is only about 6
9 feet tall.

10 MR. MICHAELS: There is a difference, this
11 way it's all standard at the 7 feet.

12 CHAIRMAN VIVONA: And the structure will be
13 painted a similar color to the fence?

14 MS. FAIRWEATHER: Well, that was for the
15 barn. The structure, the standard equipment cabinets is
16 a beige with a stone around it, but we can have the
17 fence match that. How about that? Because we can't
18 paint the equipment.

19 MS. KENNY: Do we want that painted or do we
20 just want to have it age naturally?

21 CHAIRMAN VIVONA: It's a composite.

22 MS. KENNY: Oh, that's right.

23 CHAIRMAN VIVONA: And part of the resolution
24 would be to find out if the cables can be matched.

25 MS. FAIRWEATHER: Great.

1 MR. SHAW: A condition of approval would be
2 to match the cables to --

3 MS. FAIRWEATHER: To seek permission to.

4 MR. SHAW: Well, seek permission to match it,
5 if it's approved.

6 MS. FAIRWEATHER: Either way is fine.

7 CHAIRMAN VIVONA: One other thing about the
8 cable bridge. The steel part of bridge is just a
9 suspension device, correct, so the wires have to be
10 exposed, they can't be boxed in?

11 MR. NORRIS: They just dangle underneath the
12 cable bridge.

13 CHAIRMAN VIVONA: And the bridge attaches to
14 the monopole?

15 MR. NORRIS: That's correct.

16 MR. WESTON: Do all cable bridges have to
17 have their cables exposed? Can't there be sort of a
18 wall, I know that I have encountered it where you are
19 talking about not a particular long distance, I have
20 encountered cable runs where you can drop panels and
21 gain access to the cables that you need to that way.
22 Not that it's all that necessary to gain access.

23 MR. NORRIS: Are you talking about
24 underground?

25 MR. WESTON: No. Above ground.

1 MR. NORRIS: I have never done it above
2 ground. I would image animals living in there.

3 MS. FAIRWEATHER: Is it possible with the
4 cable bridge on the side that the residents as the
5 bridge goes down on that side that something just comes
6 down to cover the cable?

7 MR. NORRIS: I wonder if we can offer a duct
8 with the ground.

9 MS. FAIRWEATHER: Would PSE&G let us?

10 MR. NORRIS: One thing I can look into, I
11 have seen underground ducts done before. It's usually
12 when there is a wetlands situation. It's something we
13 can look into.

14 MS. FAIRWEATHER: If they allow us.

15 MR. HYLAND: So that would go from the
16 structure straight over to the monopole, everything
17 would be on the ground or underground.

18 MR. NORRIS: I can investigate it. I think I
19 have only seen it done once or twice. And it was due to
20 DEP requirements. In this case, we don't have that, but
21 it's not -- we can still look into it.

22 MR. SHAW: This again would be something
23 which would be subject to PSE&G approving instead of
24 having a cable bridge, it would be an underground
25 structure?

1 CHAIRMAN VIVONA: A cable tunnel.

2 MS. WILSON: That sounds awesome.

3 MR. SHAW: And if that is something that
4 PSE&G would approve, that's something that you would do?

5 MS. FAIRWEATHER: Absolutely.

6 CHAIRMAN VIVONA: And if they don't approve
7 something like that, as far as shielding the wires so it
8 doesn't look so bad, is there a possible way you can
9 just bolt sheets of steel?

10 MS. FAIRWEATHER: On the one side of the
11 residents, that is what I was thinking.

12 CHAIRMAN VIVONA: Shields, open-ended, no
13 tunnel for anything to live in, just a blocker.

14 MS. FAIRWEATHER: On the residential side.

15 MR. BORSINGER: Do they call it cable
16 raceway?

17 MR. WESTON: We used to do duct banks above
18 and below ground, as long as it wasn't moving, we used
19 to frequently use duct banks at Newark Airport. I don't
20 recall what the cable runs were used for the monorail,
21 but I know the terminal structures, we had them above
22 and below ground. And the only place we did not have
23 them was in the connector arm that actually connected --

24 MS. FAIRWEATHER: Because you had to get.

25 MR. WESTON: Or else it was moving. It

1 didn't, you know, work. And also nobody cared, so. But
2 they have done them both ways. And I know we have done
3 that in my previous life.

4 MS. FAIRWEATHER: We will ask for
5 underground, and if not underground, we will come up
6 with a shield on the reside side.

7 MR. SHAW: To be approved by the town
8 engineer.

9 MS. FAIRWEATHER: To be approved by the town
10 engineer.

11 CHAIRMAN VIVONA: Personally, I don't think
12 we -- because we had all the other testimony about the
13 height -- I think we are sort of locked into the height
14 of the structure. Basically because PSE&G, who owns the
15 tower, wants the structure there. These towers are 200?
16 How tall?

17 MR. MICHAELS: 131.

18 MS. FAIRWEATHER: The PSE&G tower is 131.3
19 and we are going on top so our highest point will be
20 138.3.

21 CHAIRMAN VIVONA: And how high were the old
22 antennas?

23 MS. FAIRWEATHER: 127.5 or point 6, I should
24 say, actually.

25 CHAIRMAN VIVONA: And we are losing another

1 tower by having it at that height. I think we are
2 pretty well locked in on the height of the antennas. I
3 think a major coup would be not to have the cable
4 bridge.

5 MS. FAIRWEATHER: We will try.

6 CHAIRMAN VIVONA: I think with the 7-foot
7 fence similar in color to the structure, the structure
8 will be hidden, the cable bridge, hopefully, underneath,
9 the plantings, the exists forsythia stays, I think that
10 is basically the way we should go with it. I mean, you
11 had a variance for the pole before. I think, obviously,
12 the residents don't want anything, but if we can go
13 without as much as you can possibly do to make it not
14 there, I think that is the way to go.

15 Yes, sir.

16 MR. WILSON: I just have one question.
17 Charles Wilson, 30 Robinhood Lane.

18 I remember at the last meeting, I think we are in
19 agreement, the lower structure and all that. I think we
20 are in agreement as to where it is going there. But we
21 talked about the air-conditioning and the location of
22 it. Is that germane? I know that was a topic of
23 discussion last time and whether they can move it
24 further away from our house. I just don't really
25 understand in this where -- I know that was discussed

1 last meeting.

2 CHAIRMAN VIVONA: Yes, that was discussed and
3 they were supposed to look into an alternate position as
4 far away from the residents as possible, still being
5 within the fence. And it's inside the compound.

6 MR. NORRIS: Right now the exhibit that we
7 prepared shows the units basically facing the pole
8 itself. But on the inside of the fence we are also
9 going to have a sound barrier.

10 MS. WILSON: But it's inside the fence line?

11 MR. NORRIS: Oh, yeah.

12 MR. WILSON: So that's where it has been
13 moved around or.

14 MR. NORRIS: That did get shifted.

15 MS. FAIRWEATHER: And plus it got pushed 15
16 feet away. And the wood fence, one of the reasons we
17 chose that wood fence is because even though both
18 experts agree there is no noise coming off this, it is
19 15 feet closer, we are still going to put noise stuff
20 around it.

21 MR. NORRIS: There was an issue about the
22 gaps. So we are going with the sound barrier, as well.

23 MS. WILSON: Do you have a cloaking device,
24 as well?

25 MS. FAIRWEATHER: That would be nice.

1 CHAIRMAN VIVONA: I am actually glad you
2 brought that up because we forgot to mention that. But
3 we did discuss it and they did address it.

4 I have nothing further. Anybody else have
5 anything they want to add?

6 Any other questions anything else from the
7 public? You think we've addressed everything, all of
8 your concerns pretty much? The height, I think we are
9 stuck with the height.

10 MS. WILSON: We are looking for minimum
11 visual.

12 CHAIRMAN VIVONA: AT&T has come before us
13 many times and they do try to do everything possible to
14 be a good neighbor. And people showing up and asking
15 questions and making suggestions makes them a better
16 neighbor, as well.

17 If you can make the cable bridge as a tunnel,
18 that would be great. It's not a guarantee because it's
19 not up to them, but they will ask.

20 So if no one has nothing else.

21 MS. KENNY: Could you go over everything?

22 MR. SHAW: Yes.

23 What we are looking for are a series of
24 variances, which you are approving.

25 You did have testimony presented with reference

1 to both the use, D-1 use variance.

2 There are also D-6 variances involved with the
3 height of the antenna.

4 There is minimum rear yard setback for an
5 accessory structure, which has been changed to I
6 don't -- do you have the revised?

7 CHAIRMAN VIVONA: 20.1.

8 MR. NORRIS: It was 20.2, now it's 20.1.

9 MS. FAIRWEATHER: That's 20.1.

10 Maximum height of panels, 5 feet is provided and
11 6.06 feet is proposed.

12 Maximum height of the fence, 6 feet, and 7 feet
13 is proposed.

14 There is a variance for the length of the
15 driveway, 150 feet in the residential area, 240 feet for
16 this commercial-type structure is proposed.

17 That would be the actual variances relief.

18 There would also be conditions.

19 The condition that the coloring of the cables
20 would be made the same as the monopole, provided the
21 same is approved by PSE&G.

22 And a condition that the bridge facilities would
23 be, instead of being a bridge, would be constructed
24 underground, again, subject to the approval of PSE&G.
25 If that is not approved, there would be an open-ended

1 structure to block the visual view of the cables from
2 the residential side of the property, with that
3 structure approved by the township engineer.

4 CHAIRMAN VIVONA: Anything else?

5 MR. SHAW: They already had stipulated in
6 their proposal that they are going to submit revised
7 drawings, which are going to depict the revised location
8 that was exhibited here. And those revised drawings
9 will also reflect the eleven pigmy shrubs, whatever they
10 are called.

11 MS. KENNY: Dwarf.

12 MS. FAIRWEATHER: Steve, can you also add
13 because the resolution is actually in the hands of my
14 contractors when they are in the field, even though it
15 shows in the plans, could you add the condition of
16 approval that the forsythias stay and they are not to be
17 removed?

18 MR. SHAW: Yeah. What we should do is you
19 should have a note.

20 MS. FAIRWEATHER: There will be one, but can
21 you make it a condition?

22 MR. SHAW: I will put in the resolution.

23 MS. FAIRWEATHER: Conditions go a lot further
24 with contractors. And we will put a note on this one
25 also. And also that there is a shield on the light and

1 the light would be placed on a timer. Construction is
2 cleaner when I have a condition.

3 MR. SHAW: It's easier to show on the
4 resolution.

5 CHAIRMAN VIVONA: That's everything.

6 MS. KENNY: The fence, do we want to say?
7 Straight?

8 MR. SHAW: The fence that was submitted in
9 the original plans is straight. The upshot of all of
10 this is we would like to fence to be constructed in
11 accordance to the plans as shown.

12 MS. KENNY: I am ready to make a motion to
13 approve the application with the variances relief noted,
14 and with the conditions that were just outlined; five, I
15 have five different conditions.

16 CHAIRMAN VIVONA: Okay. Can I have a second?

17 MR. STYPLE: Second.

18 CHAIRMAN VIVONA: Okay.

19 Roll call, please.

20 MS. TSIMBOUKIS: Mr. Styple?

21 MR. STYPLE: Yes.

22 MS. TSIMBOUKIS: Mr. Borsinger?

23 MR. BORSINGER: Yes.

24 MS. TSIMBOUKIS: Mr. Weston?

25 MR. WESTON: Yes.

1 MS. TSIMBOUKIS: Ms. Kenny?

2 MS. KENNY: Yes.

3 MS. TSIMBOUKIS: Mr. Hyland?

4 MR. HYLAND: Yes.

5 MS. TSIMBOUKIS: Mr. Vivona?

6 CHAIRMAN VIVONA: Yes.

7 MS. FAIRWEATHER: Thank you all very much.

8 MR. SHAW: In terms of scheduling this, we do
9 have a meeting on the 18th. If whatever the actual
10 numbers are can be provided in terms of the location, I
11 gather from the discussion, was an approximate location,
12 and not the final location?

13 MS. FAIRWEATHER: Sure. I can get that all
14 to you.

15 MR. SHAW: So if you can get me the final.
16 It's approximately 15 feet moved over, I think you said?

17 MR. NORRIS: Yes, it was approximately 15
18 feet.

19 MS. FAIRWEATHER: How long would it take you
20 to figure out the exact?

21 MR. NORRIS: Tomorrow.

22 MR. SHAW: So we can include the actual
23 numbers in the resolution.

24 MS. FAIRWEATHER: And I will get back to you.

25 CHAIRMAN VIVONA: That's it.

(Hearing concluded 9:19 p.m.)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25

0	2	300 67:15	74:6,8 75:7,11 80:6
01ac6200255 88:21 07960 2:6	2 3:20 39:1 42:9 43:2	32 7:1	83:12
1	20 10:20 11:12,15 15:19 32:11	33 3:9	7,000 49:4
1 3:19 6:19 41:8	20.1 46:19	38 10:4,4	70 44:10
58:4,9 83:1	20.1. 46:21 83:7,8,9	39 3:4	7:31 1:4
10 1:3 15:8,11 19:4	20.2 83:8	4	8
22:4 23:17 41:13,25	200 1:10 4:2 9:5,18	4 3:3	8 13:24 15:7 23:16
44:16 46:11 48:10	67:15 79:15	40 10:7 25:9 44:11	32:12 44:24 57:12
54:24 59:23 61:9	2004 10:14	401-1111 2:7	57:13 73:8,13,20,25
62:12,13 64:24 65:3	2006 10:3,15	41 3:19	74:4,7,12
65:5 69:24,24 72:9	2015 1:3 3:16 88:17	42 3:20	80 44:10
73:4,9,14	2017 88:21	43 3:21	84 1:9
100 29:20,21 46:3	2071792 1:24	44 10:8,10	9
61:3	21 11:15	45 71:10	9 44:24
10th 88:17	22 11:12 46:20	47 7:2	973 2:7
11 15:19 21:12,13	225 9:8,8,18,25	5	9:19 87:1
21:18,24 22:2,3	41:20	5 3:15 15:19 22:2,3	a
37:22 71:23	23 3:15 5:8,18,20	40:14 46:23 51:20	ability 18:8 50:10
12 52:17 65:15	230 34:23,25 36:15	83:10	51:2
72:20,22	238 34:25	50 44:11 45:23,24	able 49:20 58:21
127 37:20	24 3:7,17 6:8,11	46:18	71:9,12
127.5 79:23	11:25 12:9 16:12,12	54 3:9 33:4 69:11	absolutely 14:8,10
13 22:7 65:15	31:17	58 1:2	78:5
131 79:17	240 47:7 83:15	59 3:10	access 12:14 51:1
131.3 79:18	25 3:18 13:16 14:3	6	68:9,11 76:21,22
138 33:13 36:15	26 3:19 41:4,5,7	6 3:17 11:24 12:7	accessory 46:18
46:11	42:7 88:21	13:24 14:13,17	83:5
138.3. 37:21 79:20	27 3:20 42:9,10	21:12,21 22:2 40:15	accommodate 20:7
14 3:18 7:4 33:25	28 3:21 43:3,4,7	46:23,24 51:20	28:18 67:3 68:1
34:1 72:9	299 39:15,19	57:20 58:4 65:8,14	accommodating
15 4:19 5:1,24 7:6	29th 56:14	73:18 75:8 79:23	29:1
24:14 25:8 32:11	3	83:2,12	acquaro 1:21 88:6
41:10 42:5 44:16,21	3 1:9 3:15,21 5:15	6.06 83:11	88:20
45:24 72:9 81:15,19	12:1,9 15:18 22:4	60 44:11	action 88:13
86:16,17	23:14 24:9 39:1	600 43:8	actual 21:14 22:25
15-84-3 1:6 4:1	41:13,25 43:7 45:17	650 42:13	55:20 83:17 86:9,22
150 47:6 83:15	45:23 47:4 49:13	7	add 59:9 82:5 84:12
160 2:5	62:13 72:9	7 13:22,23,24 15:5	84:15
18 11:25 12:9	30 3:8,11 10:20	21:22 22:6 23:4,23	added 62:1,9 64:7
18th 86:9	16:12,12 24:20	24:1 31:5,8 41:13	adding 60:3
19 32:12	31:17 59:17 62:2	41:25 43:15 44:24	additional 6:3 37:10
	71:9 80:17	46:24,25 57:12	40:11 49:17 52:8
		65:15 73:18,25 74:4	

<p>address 33:1 45:3 59:14 82:3</p> <p>addressed 37:5 82:7</p> <p>adequate 33:22</p> <p>adjacent 44:3</p> <p>adjoining 45:1 47:19</p> <p>adjustment 1:1</p> <p>administrative 28:1 29:11</p> <p>administratively 26:4</p> <p>advance 50:6</p> <p>advantage 32:3</p> <p>adverse 55:25</p> <p>aesthetically 70:1</p> <p>aesthetics 69:15 70:11</p> <p>age 75:20</p> <p>aggregate 15:9</p> <p>ago 33:25 34:1 41:9 51:23</p> <p>agree 72:18 81:18</p> <p>agreed 4:18 37:12 45:8</p> <p>agreement 35:2 72:16 80:19,20</p> <p>ahead 4:12 32:23 40:16</p> <p>air 80:21</p> <p>airport 78:19</p> <p>alec 3:3 4:10 5:9 8:10 15:4 18:16 35:21 56:25 73:5</p> <p>allow 4:18 12:19 17:6 19:15 48:14 49:3 53:21 77:14</p> <p>allowed 17:20 18:1 24:14 28:1,15,17 33:15 73:14</p> <p>allowing 49:14</p> <p>allows 17:18 44:21 73:6,18</p> <p>alternate 81:3</p>	<p>alternated 8:15</p> <p>alternative 64:11</p> <p>american 39:22</p> <p>analysis 35:18</p> <p>angle 70:12</p> <p>animals 56:19 77:2</p> <p>answer 37:16 47:11 55:22</p> <p>answers 40:18</p> <p>antenna 50:5 51:24 53:14,17 57:22 59:22 83:3</p> <p>antennas 19:20 40:14 41:14,23 42:20,21 43:19 46:22 50:19,20 51:19,22 52:1,7 53:17 54:21 55:1,2 55:19 61:8 71:4,13 71:13,23 79:22 80:2</p> <p>anthony 1:13</p> <p>antidotically 70:2</p> <p>anxiety 31:21</p> <p>anybody 82:4</p> <p>anybody's 56:13</p> <p>anymore 52:5</p> <p>anyway 7:21 52:25 57:11</p> <p>apart 9:6 67:15</p> <p>apparently 17:24</p> <p>appeal 56:2,12</p> <p>appealing 16:1 64:16</p> <p>appeared 60:15</p> <p>appears 44:16</p> <p>applicant 1:8 2:4 32:21 62:10</p> <p>applicant's 3:2,14 5:20 6:11 14:3 41:5 42:10 43:4</p> <p>application 1:6 4:1 10:14 17:12,14 46:1 56:8 72:6 85:13</p> <p>applications 29:17 55:23 71:4</p>	<p>apply 17:5 88:24</p> <p>applying 73:15</p> <p>appraiser 55:13</p> <p>appropriate 32:25</p> <p>approval 1:9 29:11 76:1 83:24 84:16</p> <p>approve 59:5 78:4,6 85:13</p> <p>approved 10:15 13:17 26:2,4 34:1 37:8 45:5 46:10 65:11 70:19 72:3 76:5 79:7,9 83:21 83:25 84:3</p> <p>approving 77:23 82:24</p> <p>approximate 86:11</p> <p>approximately 7:2 15:5 41:20 46:12,19 86:16,17</p> <p>architectural 74:9 74:20</p> <p>area 7:25 12:14 16:9 43:1 44:10 45:1,22 63:16,18 64:5 83:15</p> <p>areas 8:21 38:11 55:14 61:20</p> <p>argue 61:22 74:5</p> <p>arm 60:10 61:2 62:22 64:22 65:16 72:20 78:23</p> <p>arms 37:25 38:1 41:22 44:9 68:2</p> <p>array 27:25 31:15 55:1</p> <p>artist 40:24</p> <p>asked 4:7,9 38:21</p> <p>asking 27:2 46:8,8 50:16 51:18 82:14</p> <p>associated 48:4</p> <p>at&t 1:7 2:4 7:25 10:3 26:16 37:13 38:21 39:3 51:22 67:15 68:10 69:2 82:12</p>	<p>at&t's 36:9 37:10</p> <p>athletic 45:20</p> <p>attaches 76:13</p> <p>attempted 48:13</p> <p>attorney 1:17</p> <p>attracting 35:14</p> <p>audience 12:4 24:13 32:15,19 69:6</p> <p>authority 27:16</p> <p>avenue 39:16,20</p> <p>avoid 26:10</p> <p>awesome 78:2</p> <hr/> <p style="text-align: center;">b</p> <hr/> <p>b 1:12 3:13 50:8</p> <p>back 4:5,7,17 7:17 10:3,14 17:24,25 26:3 27:1 28:12 31:23 36:14 40:9,20 43:18,23 49:14 56:7 65:12,17,19 67:13 68:10 72:3 86:24</p> <p>bad 78:8</p> <p>band 34:2</p> <p>banks 78:17,19</p> <p>barely 57:16</p> <p>barn 3:17 6:5,9 13:19 14:12,19 15:23,23 16:5,8,13 16:16 17:23 20:14 20:16,17 21:5,6,10 21:12,14,17,18,23 21:25 22:6,11 23:9 23:11,24 31:22 62:4 62:9 64:11,18 65:15 66:5,13 72:8,8 75:15</p> <p>barn's 15:16</p> <p>barrier 69:18 81:9 81:22</p> <p>base 26:24 42:15,18</p> <p>based 9:25 35:10 44:8 48:11 56:3</p> <p>basically 4:25 7:7 7:12,23 12:2 20:6</p>
---	--	---	---

<p>21:23 26:13 28:17 47:7 52:20 61:7 63:15,18 79:14 80:10 81:7</p> <p>basis 40:25</p> <p>beige 6:10 22:15,16 22:16,17 42:2 75:16</p> <p>belief 46:13 48:2 51:12 66:18</p> <p>believe 13:12 19:14 28:22 32:3 47:12,24 48:15,18,22 49:9,24 50:2,5,11,25 51:6 65:12</p> <p>benefit 69:13</p> <p>benefits 50:25 51:1</p> <p>best 7:21 25:23 33:21 67:25 71:21</p> <p>better 6:9 9:6 18:20 19:1 30:23 40:13 52:23 69:19 71:22 82:15</p> <p>big 29:8,19 32:13 60:10,23 61:2 73:25</p> <p>bigger 16:16,17,18 30:14,14 31:18 60:16 61:18,23 63:5</p> <p>bit 12:5 15:15,17,24 16:3,16,17 23:3 48:11,12 59:2 61:22 74:18</p> <p>black 58:17</p> <p>blend 21:2</p> <p>blends 59:2</p> <p>block 1:9 42:17 58:12 65:9 84:1</p> <p>blockage 45:1</p> <p>blocker 78:13</p> <p>blood 88:13</p> <p>boa 1:6 4:1</p> <p>board 1:1,17,17,18 1:18 3:19,20,21 13:19,19 26:4 41:8 42:9 43:2,7 45:6,7 45:12 46:15 47:2,14</p>	<p>47:21 48:20 55:25 56:3 57:25,25 58:3 58:8,10 59:12 66:24 66:25</p> <p>board's 48:24 56:3</p> <p>boards 39:24 41:9</p> <p>bob 20:13 57:17 73:22 75:2</p> <p>bollards 18:12</p> <p>bolt 54:21 78:9</p> <p>borough 54:12</p> <p>borsinger 1:13 7:9 8:4 14:11 16:2 34:22 35:3 55:4 72:18 78:15 85:22 85:23</p> <p>bottom 41:21,24 42:19 43:12</p> <p>box 10:11,15</p> <p>boxed 76:10</p> <p>boxes 8:24 16:20</p> <p>boxwood 11:24 12:7</p> <p>boy 60:20</p> <p>bridge 18:23 19:3 19:11 61:6,9,10,11 62:20,24 64:22,24 65:1 72:21,23 73:1 76:8,8,12,13 77:4,5 77:24 80:4,8 82:17 83:22,23</p> <p>bridges 76:16</p> <p>briefly 47:9</p> <p>bright 6:8</p> <p>bring 4:23 15:3 67:7 68:3</p> <p>bringing 74:18</p> <p>brought 14:23 41:10 64:11 82:2</p> <p>brown 6:10 22:17 72:14</p> <p>browns 20:17</p> <p>build 29:20 51:3</p> <p>building 15:5 19:11 31:25 43:14 64:6,14 66:21 73:21,24 74:2</p>	<p>buildings 39:6 74:22</p> <p>built 17:23 30:3</p> <p>burden 55:5</p> <p>bush 12:25</p> <p>bushes 12:24</p> <p>buxton 17:11,15 56:4</p> <p>bypass 27:17</p> <p style="text-align: center;">c</p> <p>c 2:1 4:13 33:4 46:17 50:4,12 51:6 51:14 88:1,1</p> <p>cabinet 16:23 30:8</p> <p>cabinets 30:9,10,24 32:9 66:19 75:15</p> <p>cable 18:23 19:3,4,8 19:10 58:18 61:6,8 61:9,11 62:20,24 65:1 76:8,12,16,20 77:4,6,24 78:1,15 78:20 80:3,8 82:17</p> <p>cables 19:12,14,16 31:15 61:7 75:24 76:2,17,21 83:19 84:1</p> <p>cabling 58:15,16</p> <p>calculated 64:7</p> <p>call 11:23 41:7 70:17 74:3 78:15 85:19</p> <p>called 5:9,14 25:5 84:10</p> <p>calls 66:2</p> <p>cap 33:14</p> <p>car 41:18</p> <p>cared 79:1</p> <p>careless 18:18</p> <p>carrier 7:16 25:19 27:1 54:15 67:3,6,7 67:11,19,24</p> <p>carriers 20:8 29:22 30:3 36:1 55:1</p> <p>carries 43:18 47:2</p>	<p>carry 52:5,8</p> <p>case 55:6,11,17 56:12 67:15 68:25 77:20</p> <p>cases 69:19</p> <p>castle 29:20</p> <p>cause 49:15</p> <p>cd 70:17</p> <p>cell 46:3</p> <p>cellar 33:12 35:12 36:19 55:23</p> <p>cellular 27:25 33:7 56:6</p> <p>cement 15:6</p> <p>center 8:4 11:24,25 12:7,7 19:12 25:9 31:15 63:22 75:8</p> <p>centered 7:8,22 8:2 10:24,25 25:13</p> <p>certain 53:21</p> <p>certainly 46:16 49:5 50:2,7 60:15</p> <p>certification 88:23</p> <p>certified 39:23</p> <p>certify 88:7,12</p> <p>certifying 88:25</p> <p>chain 13:18 31:2</p> <p>chairman 1:13 4:1 4:12 5:11 8:12,20 8:23 9:5,9,15 10:5,7 10:9,19,23 11:9 12:21 14:5,19 16:7 16:19,25 17:2 18:19 18:25 19:10,18 20:9 20:19,23 21:1 22:13 23:7,16,20 27:10 31:10,24 36:16,21 37:14,22 38:6 39:9 39:11 40:3,6 51:17 52:9,12,15,17,19 53:2,6,8 54:20 57:10,15 58:23 59:1 59:8,11 64:3 65:5 66:14 69:3 70:24 72:7,16,22 73:1,15</p>
---	--	---	---

<p>73:19 74:15,23 75:6 75:12,21,23 76:7,13 78:1,6,12 79:11,21 79:25 80:6 81:2 82:1,12 83:7 84:4 85:5,16,18 86:6,25 change 16:2 17:20 30:15,16 34:1,2,3 48:7,8,22 51:4 changed 6:14 15:20 17:11 41:9,15 83:5 changes 34:2,5 46:19 charles 3:10 59:16 80:17 chatham 1:1,3 24:21 49:15 59:17 choice 14:1 26:14 choices 20:9 chose 81:17 church 45:19 cingular 1:7 2:4 4:2 9:4 circles 5:25 13:7 circuit 34:18,19,20 circulated 27:21 circumstances 50:11 clarification 37:24 64:16 cleaned 6:21 cleaner 85:2 clear 24:14,15 clearly 33:13 50:10 63:13 66:3 69:20 climate 39:2 climbing 61:10 cloaking 81:23 close 11:16 16:4 20:19 23:24 67:22 closer 11:7 24:16,22 26:22 46:3 65:18 70:3 81:19 closing 69:5 70:25</p>	<p>coapt 19:15 coarse 15:9 color 6:13 20:10,14 20:20,25 21:1,5,16 22:9 58:17,18 75:13 80:7 colored 20:23 coloring 83:19 come 5:4 25:20 26:3 28:12 29:22 44:5 52:25 53:11 57:2,4 68:15 72:3 79:5 82:12 comes 26:8 38:3 72:1 77:5 coming 4:4 7:24 16:24 54:11 60:10 70:4 81:18 commencing 1:4 comment 69:6,7 comments 25:25 70:25,25 commercial 83:16 commission 88:21 communications 71:8 companies 29:19 comparable 15:14 compare 48:7 compared 31:7 51:5 61:20 completely 60:10 comply 36:9 composite 20:22 31:5 75:21 compound 4:8,19 5:1,2,24 6:1,2,20,23 6:25 7:7,15,18 8:3 10:17,22 11:4,5 12:2,3,11,11,13,16 13:8 16:9,11,17,21 23:19 25:10 26:7 27:3 28:10,11 29:5 29:12,15,21,24 30:18 32:7,13 41:11</p>	<p>41:12,24 43:14,16 43:20 48:10,12 57:24,24 59:25 60:2 60:4,19 61:17,19,21 61:24 62:11 63:5,6 63:17,25 64:5 68:4 68:7,10,16 71:24 81:5 compounds 27:5,7 60:5 63:14 concern 65:13 66:8 concerned 62:16 concerning 67:1 concerns 4:18 82:8 concluded 87:1 concludes 51:15 conclusion 45:15 concrete 18:9 24:4 60:22 condition 59:3 76:1 83:19,22 84:15,21 85:2 conditioning 80:21 conditions 83:18 84:23 85:14,15 conductor 7:24 8:8 26:23 conductors 7:22,23 8:3 25:16 26:11 conference 56:13 configuration 15:25 conifers 44:12 connected 78:23 connective 45:21 connector 78:23 conservative 58:3 consider 27:23 64:2 consideration 49:25 64:13 considered 38:16 construct 38:14 constructed 20:1 83:23 85:10 construction 54:18 73:9,9 85:1</p>	<p>contained 62:17 contemplated 59:21 contested 55:7 contractors 73:11 84:14,24 contrary 49:18 control 8:24 88:24 correct 18:24 19:13 19:24 28:21 29:1 37:12 43:25 49:18 52:3,14 68:5,22 76:9,15 counsel 2:4 70:25 count 55:17 county 88:4 coup 80:3 couple 4:5 6:20 17:4 59:19 67:12 course 33:8 35:14 court 1:21 24:18 55:11,12 63:2 69:9 88:20 cover 33:21 42:23 43:1 44:6 72:20,22 77:6 coverage 33:20 37:3 37:5,7 47:19 covers 66:1 create 48:2 74:20 created 40:24 creating 74:7,9 creditable 56:10 criteria 47:12,25 48:17 50:3 cross 61:8 current 60:13 61:24 cut 65:12</p> <hr/> <p style="text-align: center;">d</p> <hr/> <p>d 3:1 33:4 39:15,19 46:13 50:1 51:13 57:19,20,25 58:2,4 58:4,9 83:1,2 d6 46:9</p>
--	--	---	---

<p>dangle 76:11 date 5:10,15,19 41:10 dated 3:15 day 41:9,19 56:20 88:17 days 55:20 dead 69:17 dealing 55:4 decide 66:22 decided 66:12 72:8 deciduous 44:14 decision 56:3 58:8 decorative 14:9 deep 44:14,16 deer 56:19 definitely 9:17 23:10 denial 56:3 deny 27:16 dep 77:20 depict 84:7 depicted 15:1 22:22 62:11 described 15:2 description 3:14 design 11:1 22:8 35:25 designed 11:4 20:6 22:9 38:10 39:7 53:18 54:25 desires 20:12 details 66:9 detector 56:16 determined 33:20 47:14,22 48:20 detriment 45:11 48:1,3,15 50:12 detriments 51:1 device 76:9 81:23 died 70:6 differ 48:23 difference 55:16,21 69:23 73:25 74:19 75:10</p>	<p>different 5:16 8:20 11:1 15:24 16:6 17:19 30:20 32:1,8 45:7 47:1 48:11 57:23,24 59:22 85:15 differently 46:15 difficult 5:25 60:14 67:7,7 68:7,17 difficulty 67:14 dig 14:22 digitally 40:25 direct 88:24 directly 41:19 42:6 59:18,18 director 39:21 disagree 58:12 disasters 50:9 discuss 82:3 discussed 13:14,20 33:16 37:17 45:4 56:22 80:25 81:2 discussion 34:3 36:8 47:10 80:23 86:11 dismantled 33:7 distance 10:4 44:15 49:5 76:19 distant 42:14 district 45:17 disturbance 30:14 72:12 diving 65:21,24 66:1 doing 25:22 26:13 73:11 double 34:7,15,16 34:18,18,19,20 35:11 doubling 28:9 dowling 3:4 23:6 39:18 53:9,11 59:12 59:14 dozed 57:7 dozen 64:9 dr 71:15</p>	<p>draped 71:17 drawing 14:25 15:18 62:11 drawings 84:7,8 drive 3:9 33:5 69:12 driveway 9:20,23 18:7 40:13 41:18 47:4,7 50:22,23 52:12 65:21 68:9 83:15 drop 76:20 duct 77:7 78:17,19 ducts 77:11 due 77:19 dug 14:23 dully 64:3 duly 39:16 88:9 dust 48:3 dwarf 11:24 12:6 84:11</p> <p style="text-align: center;">e</p> <p>e 1:12,12 2:1,1 3:1 3:13 4:13 33:4,4 39:15 88:1 earlier 42:4 45:4 48:12 earth 20:16,18 easier 54:18 67:6 68:8,12,19 85:3 easiest 67:19 east 6:1 12:2,10 26:22 effect 45:12 effectively 42:6 46:5 effort 35:6 eisenstein 71:15 either 25:15,21 28:23 48:18 76:6 electrical 16:20 38:13,23 53:22 68:11 elevation 37:4,7 43:10</p>	<p>elevations 36:24 eleven 11:25 12:8 84:9 emergencies 50:9 57:17 emergency 57:3 employed 39:19 enclose 64:19,24 enclosed 31:19,25 32:4 64:17 66:17,20 71:24 encloses 64:23 enclosure 22:14,22 22:23 encountered 76:18 76:20 ended 78:12 83:25 ends 72:23 energy 53:22 engage 47:10 engineer 1:17 4:15 33:17,19 38:4 79:8 79:10 84:3 engineered 38:12 engineering 67:2 68:18 engineers 39:19 english 11:24 12:6 entire 45:8 entirely 38:25 equipment 15:1 18:17 23:24 24:3 29:9,14,18 30:7,21 30:23 32:5,13 33:12 33:23,25 35:12 36:11,19 38:13 39:5 43:20 52:8 63:18 64:20,23 69:19 75:15,18 especially 65:19 esq 2:7 esquire 1:17 essentially 5:23 27:24</p>
---	---	---	---

<p>estate 70:7</p> <p>estimated 44:24</p> <p>evening 4:3,5,24 42:5 58:5 67:2</p> <p>event 26:19</p> <p>eventful 35:15,17</p> <p>eventually 10:15</p> <p>everybody 15:22 66:2 72:16</p> <p>evidence 41:3</p> <p>ewald 3:9 33:3,4,22 34:4,9,12,15 35:1,5 36:3,12,18 37:1,6 69:11,11 70:23</p> <p>exact 14:21 44:15 86:20</p> <p>exactly 19:6</p> <p>examination 5:3 40:7 88:8,10</p> <p>examined 39:17</p> <p>example 17:8 29:20</p> <p>exceed 48:5</p> <p>exceptionally 44:7</p> <p>exciting 35:15</p> <p>exhibit 3:15,17,18 3:19,20,21 4:20 5:20 6:11 11:14,17 14:3 41:5 42:7,9,10 43:3,4,7 81:6</p> <p>exhibited 84:8</p> <p>exhibiting 68:7</p> <p>exhibits 3:22 73:23</p> <p>existed 51:4,9</p> <p>existence 67:5 68:6</p> <p>existing 8:10 11:6 27:25 28:2,10 41:22 42:6 44:22 45:13 46:6 47:18,19 51:2 53:20 68:16 71:20</p> <p>exists 48:25 50:3 80:9</p> <p>expanding 29:12</p> <p>experience 39:22 42:17 73:8</p>	<p>expert 36:9,9 37:10 37:12,14 55:14</p> <p>experts 3:2 13:21 71:15 81:18</p> <p>expires 88:21</p> <p>explain 15:4 40:17</p> <p>explanation 7:10</p> <p>exposed 19:13 73:2 73:21,24 74:2 76:10 76:17</p> <p>extend 23:12,14</p> <p>extending 11:2</p> <p>extension 63:19</p> <p>extensive 35:24</p> <p>eye 16:1 66:6</p> <p style="text-align: center;">f</p> <p>f 1:12 88:1</p> <p>facilities 50:10 55:8 83:22</p> <p>facility 25:18 27:24 50:9,21 58:6</p> <p>facing 81:7</p> <p>fact 44:7 49:1 51:4 55:25 57:21 64:20 68:20</p> <p>fade 52:20</p> <p>fairweather 2:7 4:3 4:21 5:3,7,13 6:7 8:9,16 10:2,6,8,12 11:21 12:23 14:8 15:3 19:21 20:3,11 21:4,20 22:11,15,24 23:2,10,18,25 24:7 24:10 25:11 27:8 28:5,8,12,19 29:10 30:2,8,10,17 31:3,8 32:10,22 33:16,24 34:8 35:21 36:7 37:9,19 38:2,20 39:3,10,12 40:2,7 43:23 51:15,19,21 52:14 53:1,5,7,19 54:4,10,14,23 55:10 56:17,24 57:4,8</p>	<p>58:10,25 59:3 61:19 61:25 62:23 65:1 66:24 67:13,22 68:14 69:1,5 71:3 73:5,17 74:25 75:14 75:25 76:3,6 77:3,9 77:14 78:5,10,14,24 79:4,9,18,23 80:5 81:15,25 83:9 84:12 84:20,23 86:7,13,19 86:24</p> <p>fall 44:19 73:4</p> <p>family 45:17,18</p> <p>far 23:12 28:22 45:20 47:8 48:13 65:17 78:7 81:4</p> <p>fcc 26:1 27:17 28:2 36:22 47:15</p> <p>feature 61:4</p> <p>features 37:15</p> <p>federal 27:16 36:10</p> <p>feel 46:15 64:13,13</p> <p>feet 4:19 5:1,24 7:1 7:2,4,6 9:6,18,25 10:4,20 11:12 12:1 12:10 13:23,23,24 13:24,24 14:17 15:5 15:7 16:12 19:4 21:18,22,24 23:14 23:16 24:1 25:9 33:13 37:20,22 39:1 40:14,15 41:20 42:5 42:14 43:8 44:10,11 44:16,21,24 46:3,11 46:11,19 48:10 49:4 51:20 52:17 62:12 62:13 64:25 65:3,5 65:12 67:15 69:24 69:25 71:23 72:9 73:9 74:1,6,7 75:9 75:11 81:16,19 83:10,11,12,12,15 83:15 86:16,18</p> <p>fell 44:9</p>	<p>fence 3:18 13:14,15 13:18,22,23 14:1,1 14:12 16:25 18:17 18:21 20:20 21:2,4 21:21,22 22:5,5,10 22:12,23 23:5,14,23 30:25 31:2,5,9,11 31:13,21 32:2 41:13 41:25 43:15 44:16 46:23,25 50:5 57:11 57:12 62:25 65:8,14 65:15 66:19 72:20 72:23 73:4,16,19 74:13,19,24 75:1,8 75:13,17 80:7 81:5 81:8,10,16,17 83:12 85:6,8,10</p> <p>fenced 16:9 29:5 64:5</p> <p>fences 4:9</p> <p>field 84:14</p> <p>fields 45:20</p> <p>fifth 44:4</p> <p>figure 86:20</p> <p>fill 18:4 51:11</p> <p>final 11:17 86:12,15</p> <p>finally 51:6</p> <p>find 17:8 54:17 69:7 75:24</p> <p>fine 76:6</p> <p>finial 14:5</p> <p>finials 75:7</p> <p>finish 32:21 38:3</p> <p>finished 32:22</p> <p>fire 50:8</p> <p>firehouse 30:1</p> <p>first 4:7 41:16 46:5 54:1,4,16 65:22 69:5</p> <p>five 30:23 85:14,15</p> <p>flag 30:4,5</p> <p>flat 24:6 32:1 41:13 64:18 66:13</p> <p>flood 50:9</p>
--	---	--	---

<p>floor 65:19 focused 47:5 52:6,6 66:3 fold 53:19 follows 4:14 39:17 foot 11:15,24 12:7 14:13 15:8,11,19,19 16:12 21:12 22:2,3 22:4,6 23:4,23 24:14 25:8 29:20,21 31:5,8 32:12 41:10 41:13,13,25,25 43:15 45:23,24,24 46:18,23,23,24,24 46:25 47:7 51:20 54:24 55:3 57:12,13 59:23 61:9 65:8,14 65:15,15 72:9,20 73:4,20 74:1,8,12 75:7 80:6 footage 64:4,7,8,10 footprint 10:16 11:10 16:2 31:17 53:3 60:13 61:24 foregoing 88:23 foreground 42:15 forget 16:8 forgets 56:21 forgive 16:8 forgot 82:2 forsythia 13:1,2 80:9 forsythias 25:2,5,7 84:16 fort 11:1 31:14 53:24 63:21 forth 88:9 forward 32:12 found 55:12,15,18 71:21 foundation 23:2 40:21 four 30:23 franklin 6:6</p>	<p>frankly 71:12 free 49:23 51:3 frequencies 34:2 52:2 frequency 49:7 frequently 78:19 friday 57:5 front 11:4 25:21,23 26:12,14 27:10 45:23 functionally 69:21 further 7:4,11,18 25:2,7 26:20,22 43:9 61:4 66:11 80:24 82:4 84:23 88:12 future 28:4 49:21</p> <hr/> <p style="text-align: center;">g</p> <p>g 39:15,19 gain 76:21,22 galvanized 58:23 gap 33:21 47:17 49:6,7,16 51:11 69:24 70:15 gaps 37:3,5,7 69:23 81:22 gather 86:11 general 47:16 generally 18:16 generator 17:6,11 17:21 18:5 38:13 generators 17:7 germane 80:22 give 6:8 7:9 21:11 65:9 70:16 given 46:13 58:2 68:20 69:1 88:10 gives 15:20 43:12 glad 32:20 82:1 glare 48:3 go 4:12 13:24 19:12 19:23,25 23:16,17 25:12,13,20,21,25 26:8 27:2,3,13,25</p>	<p>28:2,20 32:2,23 33:15 35:4,5,25 40:16,20,25 42:8,24 43:3,23 49:14,19 53:18,21 55:2 56:19 67:13,15,16,19,20 67:25 69:24 71:21 71:22 72:1,3,15 73:7,12 74:5 75:6 77:15 80:10,12,14 82:21 84:23 goes 19:11 55:15 58:16 66:6 72:23 73:9 77:5 going 4:10 6:7 8:1 9:13 18:22 19:6 20:20 21:12,13,15 21:17,24,24 23:9 25:6,7,24 26:5 27:14,25 28:1,10 31:21 33:9 40:9 41:7 43:24 49:11 52:12 53:22 56:16 61:8 62:17,23 63:22 63:24 64:19 66:22 66:23 67:11 68:16 71:12 72:2 73:25 74:2,13,13 79:19 80:20 81:9,19,22 84:6,7 good 4:3 26:15 43:12 49:24 82:14 government 27:17 grandfathered 68:24 grant 72:5 73:19,20 granted 46:5,25 57:25 granting 10:3 50:6 graphic 40:24 gravel 12:13 18:11 41:18 52:13,19 68:9 gray 59:2,4 great 75:25 82:18</p>	<p>green 29:25 gregory 1:13 ground 19:4 28:5,8 38:23,25 60:12,20 65:6 76:25 77:2,8 77:17 78:18,22 grounding 35:22,24 35:25 36:2 guarantee 82:18 guess 19:18 21:9 22:21 25:19 26:10 26:11,14 31:20 47:1 48:7 53:3,15 60:7 60:24 66:10 guessing 22:6 57:14 guidelines 36:22 guts 31:16 62:17 guys 4:4 5:17 18:18 53:6 59:17 64:13 69:22</p> <hr/> <p style="text-align: center;">h</p> <p>h 3:13 half 37:20 46:11 48:16 49:4 56:25 64:9,9 halpern 2:3 hand 88:17 hands 84:13 hanging 19:2 happen 33:9 49:22 happens 18:2 happy 47:10 61:1 hard 21:11 head 60:5 heads 69:4 health 36:4,5 heard 48:12 60:17 69:22 71:2,14 hearing 29:16 33:18 36:24 87:1 heart 20:11 heavy 42:25 44:3,7 47:19</p>
---	---	---	---

<p>height 11:25 12:1,9 12:9 15:14 21:10,14 22:4,14 32:1 33:20 33:21,22 37:12,20 40:11,13 44:8 46:9 46:24 50:1,5,5,20 53:4,16,20 57:13,20 62:25 73:16 75:1 79:13,13 80:1,2 82:8,9 83:3,10,12</p> <p>help 45:13 51:19</p> <p>helpful 70:15</p> <p>helps 13:20</p> <p>hereinbefore 88:9</p> <p>hereunto 88:16</p> <p>hi 59:16</p> <p>hidden 80:8</p> <p>hide 74:12</p> <p>high 14:11 15:6,7,8 19:23 21:19 31:5 33:15 45:20 61:9 72:20 73:9 79:21</p> <p>higher 31:13,16,21 33:13 35:4 37:18,22 37:23 43:11 46:9,11 48:10 57:23 69:15 71:23 73:12</p> <p>highest 15:12 79:19</p> <p>history 35:10,18 45:16</p> <p>hits 35:14,15</p> <p>ho 55:12,12,17,17</p> <p>hold 73:10</p> <p>holding 42:20</p> <p>holds 38:12,13</p> <p>hollow 20:4</p> <p>home 13:10,11</p> <p>homes 45:18 71:9</p> <p>homey 13:18 14:9</p> <p>honestly 7:20</p> <p>hop 29:22</p> <p>hopefully 18:18 80:8</p> <p>hour 56:25,25</p>	<p>hours 57:5</p> <p>house 35:16 59:19 65:24 80:24</p> <p>houses 42:14 55:14</p> <p>huge 31:15</p> <p>humidifier 39:2</p> <p>humming 32:5</p> <p>hurt 39:5</p> <p>hut 31:16</p> <p>hyland 1:14 6:15 9:19,22 21:6 23:14 23:17,22 28:15 72:19,25 77:15 86:3 86:4</p>	<p>increase 29:13</p> <p>indicated 26:12</p> <p>indicating 5:25 47:17</p> <p>industry 39:8</p> <p>information 37:10 37:11 56:14</p> <p>informed 4:17</p> <p>initial 22:23</p> <p>initially 7:20</p> <p>input 66:9</p> <p>insert 11:2 32:12</p> <p>inside 17:1 19:16,23 19:25 41:14 62:17 63:21 81:5,8,10</p> <p>installation 18:6 48:9</p> <p>installing 35:6</p> <p>institute 39:23</p> <p>intention 7:15 35:8</p> <p>interest 33:6 70:4,6</p> <p>interested 67:4 88:14</p> <p>interferes 71:5</p> <p>interject 49:11</p> <p>internet 52:6</p> <p>intruding 50:14</p> <p>intrusive 64:14</p> <p>investigate 77:18</p> <p>involved 4:16 83:2</p> <p>irregular 61:23 64:8</p> <p>irregularly 63:20</p> <p>ish 20:24</p> <p>issue 65:7 81:21</p> <p>issues 4:6 38:22,22 56:1 70:11</p>	<p>jersey 1:3,22 2:6 24:21 39:16,20,25 55:11 88:3,7,21</p> <p>jim 23:5 40:8</p> <p>job 1:24</p> <p>john 1:17 59:8</p> <p>jon 1:15</p> <p>judge 58:3</p> <p>judgement 74:3</p> <p>judith 2:7</p> <p>judy 46:22</p> <p>june 1:3 3:15 5:15 56:14 88:17</p>
	<p style="text-align: center;">i</p> <p>idea 8:7 19:8 31:6</p> <p>identification 5:21 6:12 14:4 41:6 42:11 43:5</p> <p>identified 15:19 26:9</p> <p>identify 24:18 26:7 69:9</p> <p>image 15:25 77:2</p> <p>imagine 16:3</p> <p>imagining 64:19</p> <p>imbedded 52:8</p> <p>immediately 60:11</p> <p>impact 45:14 55:25 66:4 74:10</p> <p>impacting 45:25</p> <p>impair 45:11 48:21 49:9 51:7</p> <p>impairing 48:17</p> <p>impending 56:12</p> <p>impression 35:3</p> <p>incarnation 48:20</p> <p>inch 41:13,25 72:9</p> <p>inches 12:1,9 15:19 22:2,2,3,4 24:9 62:13</p> <p>incidence 43:17</p> <p>include 25:25 58:9 62:6 86:22</p>	<p style="text-align: center;">j</p> <p>j 39:15</p> <p>jacobs 39:19,21</p> <p>james 3:4 39:12,18</p> <p>janice 3:7 62:2</p> <p>janis 24:20</p> <p>january 88:21</p>	<p style="text-align: center;">k</p> <p>k 18:8</p> <p>kali 1:18 70:16</p> <p>kate 1:14</p> <p>keep 4:4 8:7 39:2 41:11</p> <p>keeping 72:14</p> <p>kelly 1:14</p> <p>kenny 13:4 14:6 17:10,15,18 18:2 22:18 24:2 29:3,7 29:16,25 30:4,12,16 30:25 31:2,6,18 32:14 56:15 57:2,6 70:16 72:11 73:3,22 75:2,19,22 82:21 84:11 85:6,12 86:1 86:2</p> <p>kids 61:10 65:22</p> <p>kind 25:21 33:8</p> <p>know 9:24 13:25 14:11 15:2 16:7 18:14 21:7,11 26:5 34:8 35:17 36:3 37:18 38:1 51:18 54:5,6,8,14 56:22 59:20 60:18,18,25 63:12,14 69:23 70:14 71:3 73:10,11 74:13 75:3 76:18 78:21 79:1,2 80:22</p>

<p>80:25 known 64:9 knows 17:25 kus 55:12,17</p>	<p>50:15,18 65:19,25 66:1 71:13,14 81:10 lines 26:23 71:10,17 link 13:18 31:2 listed 34:10 listen 57:6 little 5:25 6:21 15:15 15:17,24 16:3,16,17 20:11 21:2 22:16 23:3 42:25 48:10,11 48:12 52:23 59:2 61:17,22 65:22 73:21 74:18 75:1 live 55:19 59:17 78:13 lives 71:6 living 77:2 llc 1:7 2:4 llp 2:3 local 27:17 locate 49:1,3,20 69:20 located 9:2 25:17,18 35:19 49:23 locater 54:1 locates 54:20 location 25:25 26:3 26:7,9 27:23 28:4 29:4 47:1 48:25 49:8,14,23 51:11 54:2 57:23,23 59:20 67:2,5 80:21 84:7 86:10,11,12 locations 8:17 29:18 locator 29:12 locators 54:6,15 locked 79:13 80:2 logical 26:11 long 4:4 9:19,22 16:12 51:23 57:1 76:19 78:18 86:19 longer 32:4 52:2 71:9 look 6:9 7:19 11:19 14:9 18:25 20:17</p>	<p>21:15,20 22:5 23:4 23:11,19,21 24:13 24:16 38:21 41:12 41:20 42:19 43:12 52:20,23 53:13 60:20,21 62:10 65:14,24 66:23 71:23 73:23 74:24 77:10,13,21 78:8 81:3 looked 31:7 49:2 60:18 looking 10:1 18:21 23:23 24:22 41:16 41:19 42:12 43:11 43:13,15,21 52:21 53:12 60:14 62:5,9 69:17,17 71:16 82:10,23 looks 10:17 11:20 14:17 30:22 60:19 71:22 72:9,12 losing 49:19 79:25 lost 65:23 lot 1:9 18:25 23:7 30:12 40:18 43:24 58:12 67:20 84:23 lots 26:18 lovely 4:5 low 72:15 lower 22:14 31:22 33:12,12,13,23 69:19,20,24 70:4,9 74:18 80:19 lowered 36:18 luckily 27:15 lutheran 45:19</p>	<p>making 82:15 management 56:13 manager 3:3 manufacturers 38:11 map 24:17 49:2 margin 36:10 mark 5:6,7 6:7 marked 5:20 6:11 14:3 41:3,5 42:10 43:4 market 55:20 70:9 marriage 88:14 mask 74:6,7 mass 74:10 match 21:4 59:4 75:17 76:2,4 matched 75:24 matter 29:14 67:23 69:21 88:15 maximum 12:1,9 22:1 44:6 46:23 47:6 83:10,12 mean 9:9 20:16 33:14 35:7,12 60:21 69:22 80:10 means 88:24 measure 13:25 measurements 48:11 measuring 75:7 mechanical 64:22 65:16 72:20 meet 28:3,5,8 49:1,6 50:3 51:13 58:6 meeting 1:2 34:3 36:8 46:20 64:17 66:23 70:17 80:18 81:1 86:9 meets 28:3 member 12:4 24:13 32:15,19 39:22 69:6 members 3:6 45:7,7 mention 82:2</p>
<p>I</p> <p>I 4:13 33:4 39:15,19 land 50:7 71:10 lane 3:8,11 24:20 42:13 52:15 59:17 62:3 80:17 large 36:10 larger 32:10 52:7 lattice 8:6,12 28:25 45:6 52:24,24 63:22 law 48:5 50:7 laws 36:10 lay 23:2 40:21 laying 60:12 lays 44:17 leaf 42:23 44:6 league 27:22 leave 7:16 29:17,21 leaves 44:5,13,19 49:21 73:20 leaving 25:10 left 42:2 legitimate 56:10 length 40:13 47:4 50:24 83:14 letter 57:19 level 36:19 licence 47:15 life 79:3 light 22:17 56:15,19 57:9,10 84:25 85:1 lightning 35:13,15 likes 67:14 limited 44:18 limits 48:5 line 4:8 7:1,3,19 8:20 9:14 10:5 11:7 11:12 26:17,22 27:11 34:19,19,20 43:9 44:3,15,18</p>	<p>m</p> <p>m 39:15 madison 39:15,20 maintain 32:17 major 45:21 80:3 majority 19:24</p>		

<p>mentioned 42:1 46:22 47:20 51:9 met 36:25 37:1,7 47:16 meter 16:23 meyerville 1:2 michael 1:14 michaels 1:18 11:11 11:16 14:17 20:15 22:20 57:18 58:7,14 59:7 73:23 75:4,10 79:17 middle 11:3 20:4 25:14 63:24 65:18 mile 49:4 mind 24:15 41:11 minimal 48:4 72:12 minimize 29:23 70:14 minimum 82:10 83:4 minor 51:5 minute 74:24 minutes 36:12 37:16 69:8,13 70:20 mirrored 25:22 mirroring 26:13 missed 36:7 59:19 mitigate 45:14 mix 44:12 model 15:20 27:21 modeled 23:23 mold 38:22 monday 57:4 monopole 11:10 19:21,22 27:5 30:2 42:7 54:25 66:7 76:14 77:16 83:20 monopoles 8:14 20:1 34:6,12,13 35:11,20 52:22 53:20 70:5 monorail 78:20 morris 2:5 88:4</p>	<p>morristown 2:6 39:16,20 motion 56:16 85:12 mounted 19:17 move 4:8 7:11 39:10 41:10 44:21 48:13 80:23 moved 6:20,23 42:5 57:22,22 81:13 86:16 moving 25:1 78:18 78:25 municipal 50:7 municipalities 27:18 27:20,22,22</p> <p style="text-align: center;">n</p> <p>n 2:1 3:1 4:13 39:15 39:19 88:1 nah 9:7 name 12:25 33:1,3 39:18 59:14,16 natural 69:18 naturally 75:20 near 33:10 42:13 44:2 nearest 13:9,11 49:2 nearly 34:16 49:4 necessarily 67:9 necessary 18:13 76:22 necessitated 52:7 need 13:25 20:16,17 32:25 40:11,17 46:14,17 47:3 50:19 51:10,20 52:1,7 58:6,13 76:21 needed 45:9 needs 36:25 37:1 50:23 negative 47:25 48:17 neighbor 82:14,16 neighborhood 23:21 45:19 66:2,5</p>	<p>neighbors 30:13 55:5 nest 54:22,22 neutral 20:14 never 17:20 30:5 39:3 77:1 new 1:3,7,22 2:4,6 4:2 8:13 9:11 24:21 28:16,22 34:6,6,12 34:13 35:20 36:6,11 36:11 39:16,20,25 39:25 47:3 51:5 52:9 53:3 55:11 57:24 67:10 70:5 71:9 88:3,7,21 newark 78:19 nice 18:20 65:9 81:25 nicer 69:16 71:24 nickelson 3:9 33:4 69:11 night 57:2 noise 32:5 48:5 64:20 81:18,19 norris 3:3 4:12 52:16,18 54:18 56:22 57:1,12 58:20 61:6,17,21 62:22 63:6,8,17,25 67:9 67:18,24 68:5,8 73:7 76:11,15,23 77:1,7,10,18 81:6 81:11,14,21 83:8 86:17,21 north 12:14 notary 1:21 88:6,21 note 84:19,24 noted 64:3 85:13 notice 58:1 noticeable 57:16 noticed 60:11 number 15:20 43:3 numbers 86:10,23 nutshell 45:16</p>	<p style="text-align: center;">o</p> <p>o 1:12 4:13 39:15,19 88:1 oak 69:18 oath 4:11 obtrusive 23:8,9 obvious 21:3 37:24 obviously 6:13 14:20 42:16,23 43:10 44:11,13,19 45:18 60:8 80:11 occasional 67:4 occasions 40:1,1 occur 44:20 occurred 48:22 odor 48:3 offer 77:7 office 14:15 oh 28:11 31:1 69:11 72:25 75:22 81:11 okay 10:19 11:9 12:6 20:9 27:16 28:14 29:7 32:14,19 38:5 39:9 40:6 53:8 63:5 69:3 72:7 85:16,18 old 6:24 8:19,24 9:1 9:2,4 10:13 12:21 17:25 24:24 30:7 33:11 34:24 35:10 36:4,15 52:23,24 60:8,9 63:22 66:16 70:3,5 79:21 once 26:1,2 71:25 77:19 ones 65:10 open 31:23,24 60:10 78:12 83:25 operate 37:13 opinion 6:8 48:24 58:9 74:3 opportunity 44:18 44:20</p>
--	---	---	---

<p>opposed 25:8 51:20 opposite 26:16 order 32:18 44:24 52:2,2 54:24 61:7 71:14 ordinance 27:21 46:2 48:18,21 49:2 49:10,12,18 51:8,22 73:18 original 7:13 8:12 10:2,20 13:23 23:24 30:19 37:20 49:14 85:9 originally 30:11 outage 18:3 outcome 88:15 outdoor 30:9 outlined 85:14 outside 8:8 15:6,9 16:21,23,24,25 17:3 18:5,19 19:15,17 28:10,11 29:15 62:21 68:16 outweigh 50:25 overhead 26:23 owner's 13:10,11 owns 26:17 79:14</p>	<p>64:16 75:23 76:8 particular 20:5 67:6 67:25 76:19 particularly 45:10 47:13,14,23 61:1 67:4 parties 88:13 passed 41:2 43:6 passive 51:10 pattern 33:9 payors 20:7 pcs 1:7 2:4 4:2 pe 1:17 3:3 peak 15:12,12 pennsylvania 39:25 people 7:13,14 52:3 55:19 69:16,20 70:4 71:10 82:14 people's 42:17 percent 61:3 71:9,10 percentage 28:6,9 29:13 perform 35:19 period 32:16 permanent 18:6 permissible 12:18 permission 59:4 76:3,4 permitted 46:6 personal 75:3 personally 37:23 52:22 79:11 perspective 21:11 21:15 40:8,16 43:12 phones 51:25 photo 3:18,19,20,21 40:18,21,23 41:8,16 42:8 43:2,22 photograph 40:25 43:7 58:15 pick 67:20 picky 66:8 picture 3:17 6:15 14:12 16:20 17:2,8 19:1 21:21 22:5,18</p>	<p>22:24 30:6 62:4,6,9 64:11 pictures 6:4 14:15 22:20 23:21 37:25 52:22 60:14 piggyback 68:21 pigmy 84:9 pine 23:19 43:8,10 43:21 pinilis 2:3 pipe 11:2 17:24 pitched 24:8 place 7:20,21 25:23 27:9 45:2 70:4 71:21,22 78:22 placed 49:15 56:7 85:1 places 28:21,23 53:21 plain 19:22 plan 1:9 5:14,16 6:18,19,24 12:8 23:25 24:25 45:12 48:17,21 49:9,12 51:7 planner 1:18 3:5 22:21 38:2,3 39:10 39:22,23 planners 39:23 planning 39:21,24 40:8,16 54:9,10 plans 3:15 5:5 9:4 14:23 31:4 36:15 41:9 84:15 85:9,11 planted 65:10 planting 11:23,25 12:8,22 plantings 4:9 5:2 6:1 12:16,18 74:23 80:9 plants 18:20 platform 54:19 65:21,24 66:1 68:1 platforms 11:3</p>	<p>please 24:18 40:22 59:14,15 72:5 85:19 plus 10:7 21:18 81:15 point 6:23 13:4 27:20 32:24 37:23 42:23,24 44:6,17 49:24 63:8,11 64:15 66:10 79:19,23 points 59:22 64:2 70:13 pole 7:8,22 25:21 29:21 30:4,5 31:14 34:22 43:18 58:16 58:17,19 63:19 67:16,16 71:22,25 72:1,2 80:11 81:7 poles 8:18 19:16 20:5,7 28:22 33:6,7 33:10,11 35:13,23 36:15 37:4,7 53:24 58:23 67:9,10,14 71:17,19 72:4 port 18:4 portion 21:13 32:8 32:11 38:15 position 81:3 positive 14:14 47:12 possible 14:18 39:6 43:25 72:14,15 77:3 78:8 81:4 82:13 possibly 80:13 posts 18:9 potential 25:25 26:7 26:9 45:14 62:10 power 18:3 19:19 34:7,16,16 35:2,4,6 35:11 pp 3:4 pre 38:12 prefabbed 15:9 preference 73:7,12 prefers 54:16 prepared 46:16 81:7</p>
p			
<p>p 2:1,1 p.m. 1:4 87:1 page 3:2,14 paid 65:10 paint 22:11,12 58:21 59:4,5 72:13 75:18 painted 20:21 75:13 75:19 panel 16:23 30:1 46:22 panels 15:9 24:5 76:20 83:10 parked 41:19 part 11:5 25:8 31:20 45:25 53:17 63:4,25</p>			

<p>presentation 51:16 presented 5:16 24:25 36:23 55:24 82:25 pressure 20:20 prettier 15:23 pretty 10:21 13:6,7 13:21 15:23 32:13 44:6 80:2 82:8 previous 47:18 48:8 79:3 previously 4:13 31:7 45:5 46:10,14,25 47:15,21 48:20 56:6 61:21 price 55:20 70:9 princeton 38:21 prior 36:24 37:7 probably 10:19 15:7 15:16 16:4 20:24 22:7 44:4 57:13 61:23 74:5 problem 71:7 proceedings 1:2 process 27:13,21 28:1 45:8 professional 1:21 39:23 56:9 88:20 progressed 51:24 project 3:3 promote 47:22 proof 70:14 proofs 45:9 46:16 47:10 56:8 68:15 propagation 33:19 49:6 proper 33:2 properly 84:2 properties 13:16,17 55:7,9 70:2,8 property 4:8 7:1,3 7:19 9:25 10:5 11:7 11:12 13:9,11 26:17 26:22 44:3 50:15,17 56:9 65:18 66:4</p>	<p>proposal 84:6 proposed 5:1 10:18 10:22 11:24 12:6,8 16:14 30:11 46:24 53:12 62:10 63:7 83:11,13,16 proposing 13:22,24 15:22 17:1 29:6 46:23 47:7 73:18 protecting 18:9 proved 49:16 provide 6:2 69:18 provided 83:10,20 86:10 provider 34:2 pse&g 4:7,10,17,22 11:19 12:19 13:15 13:17 17:6,16,18 24:14 26:17 28:20 29:23 33:11 35:23 36:2 48:13 50:20 53:5,6,21 54:2,15 61:9 67:14,25 72:4 72:4 73:6 77:9,23 78:4 79:14,18 83:21 83:24 pse&g's 34:9 59:4 public 1:22 3:6 32:16 36:17 47:22 59:13 71:1 82:7 88:6 pull 65:21 66:5 pulled 70:8 pump 38:10 purpose 50:6,7 purposes 20:2 push 53:23 pushed 65:17 81:15 put 5:18 7:15 8:14 8:14,18 9:11 11:18 21:14 30:22 33:7 39:2 42:6 54:19 56:18 58:11 60:12 60:19 69:4 71:4 81:19 84:22,24</p>	<p>putting 25:9 55:8 57:8</p> <p style="text-align: center;">q</p> <p>qualified 40:1 qualify 29:14 qualitative 56:8 question 17:10 18:22 32:15 33:11 34:5,11 35:1,9 38:9 48:16 50:4 53:10,11 53:15,16 55:4,22 56:5,15 60:8,24 66:11,15 67:1,5 68:20 69:7 80:16 questions 32:22,25 36:16 37:17 38:7,8 40:19 47:11 51:17 53:8 59:11,13 82:6 82:15 quick 11:19 quiet 13:21 quite 13:3 44:3 51:5 74:11</p> <p style="text-align: center;">r</p> <p>r 1:12 2:1 4:13,13 45:17,23 46:4 47:4 49:13 88:1 r2 72:2 raceway 78:16 rack 55:1 radiofrequency 33:17,18 37:10 43:19 raises 34:4 raising 53:16 rate 20:7 raw 20:20 reach 50:24 read 49:21,21 70:18 ready 85:12 real 70:7 realistically 67:18 reality 69:16</p>	<p>realize 58:10 really 7:20,21 11:7 32:17 42:19 47:5 48:6,7 50:19,23 51:5,10 54:15 55:21 70:15 74:2 80:24 realtors 70:8 rear 10:4 11:7 40:12 45:24 46:17 50:4,14 83:4 reason 12:12 56:21 57:21 73:10 74:6 reasons 47:24 48:14 48:19 49:9 51:8,12 81:16 recall 78:20 received 10:3 40:9 recommendation 20:18 record 16:19 24:19 33:1,2 58:11 88:10 rectangle 6:25 rectangles 32:8 rectangular 15:5 recuse 74:10 red 6:9 13:19 14:12 20:17 72:13 reduce 74:21 reference 82:25 reflect 84:9 regard 47:25 regards 47:12 48:16 55:20 regular 40:25 57:5 regulations 26:1 28:2 related 50:12 88:12 relationship 10:10 relative 70:14 relief 83:17 85:13 relocate 71:25 remain 11:14 25:5 44:23 45:2 remaining 11:13</p>
--	--	---	--

<p>remains 47:13,24 remember 4:16 12:25 29:16 80:18 remind 4:11 removed 7:4 84:17 replaced 53:1 replacing 47:18 49:19 reporter 1:21 5:10 5:12 24:18 63:2 69:9 88:20,25 representing 6:25 10:16 reproduction 88:24 request 46:14 required 35:22 37:9 46:18,24 47:6 requirements 36:2,5 36:25 37:2 49:6 77:20 requires 45:23 reset 70:9 reside 79:6 residential 38:11 47:5 50:15,17 78:14 83:15 84:2 residents 7:5 77:4 78:11 80:12 81:4 resolution 10:2 26:6 31:9 75:23 84:13,22 85:4 86:23 resolved 56:11 restricted 7:10 results 55:7 retained 3:22 review 4:22 36:13 37:16 reviewed 56:2 revised 3:15 83:6 84:6,7,8 revision 5:10 revisited 36:6 rf 67:23 72:4 right 6:17 8:3,5,10 8:22 9:7,8 11:20</p>	<p>19:22 23:5 25:1,21 27:10 28:14 29:2 32:6 34:5,17,21,21 42:23 44:22 49:3,8 50:16 53:7 58:6 59:23,25 61:3 62:22 63:10 66:6,16,17 75:22 81:6 road 1:2,10 4:2 17:15 33:9 41:17 45:21,21 53:13 roadway 47:8 robert 1:18 robinhood 3:8,11 24:20 42:13 59:17 62:2 80:17 roll 85:19 roof 15:16 24:2,6 41:13 43:16 62:13 64:18 66:13 room 7:16 11:8 29:3 29:17,21 41:2 round 19:7 44:13 row 43:24 rule 28:16 run 35:6,8 running 34:7,15 35:7,11 56:19 runoff 24:10 runs 76:20 78:20 ruschke 1:17 15:18 21:9,17 22:1 38:9 38:25 59:10 rusty 52:23,24</p>	<p>satisfying 36:1 saw 13:19 31:10 60:12 saying 27:4 60:17 63:12 says 46:3,7 scale 41:1 60:15 scalloped 75:1,4 scattered 18:9 scheduled 52:25 scheduling 86:8 school 45:20 screening 6:3 se 66:17 second 4:19 7:16 26:14 48:16 65:19 85:16,17 secondary 45:1 secretary 1:18 securing 50:8 see 5:25 17:23 18:7 18:20 21:22 23:1 31:13 33:14 41:17 41:21 42:2 43:14,15 43:17 44:20 54:25 55:1,2 61:11,15,25 63:13,16 65:20 71:12 73:24 74:15 74:17 seeing 35:19 62:6 67:11 seek 59:4 76:3,4 seeking 57:19 seen 52:11 77:11,19 sense 44:8 72:4 74:8 74:20 sensitive 38:10 separate 54:22 64:8 separation 54:24 55:3 series 82:23 service 33:25 34:1 47:17 49:7,8 51:11 69:23,24 71:11,18</p>	<p>set 26:5 37:25 38:1 48:5 88:9,16 setback 11:11 40:12 74:9,21 83:4 sets 33:8 setup 60:9 shake 35:16 shape 4:20 30:20 61:23 shaped 63:20 shapes 64:8 shaw 1:17 5:6,8,18 6:22 7:4 13:2 14:25 15:13 20:13 21:7 22:8 23:8,12 24:6 24:16,20 25:17,24 26:19 27:19 28:7,11 28:14,17 32:3,17,20 32:24 36:23 37:3 38:5 39:13 41:4 53:10 54:1,8,12 55:22 58:5,8 60:1,6 62:8,15,19 64:23 70:19 76:1,4 77:22 78:3 79:7 82:22 84:5,18,22 85:3,8 86:8,15,22 shed 29:18 30:7,8 31:22 sheet 5:9,14 6:19 15:18 sheets 78:9 shelter 7:1 8:1 15:1 15:8,20,22 16:5 17:6,7 22:25 23:4 24:3 26:8 30:22 61:7 62:12 shelters 39:7 shield 57:9,15 79:6 84:25 shielding 78:7 shields 78:12 shift 4:19 7:18 24:15 shifted 4:25 5:24 7:2 24:23 81:14</p>
	<p>s</p>		
	<p>s 2:1 3:13 4:13 33:4 39:15 safe 54:17 safety 37:15 50:8 sale 70:2 sanitary 38:10 sat 33:12 satisfied 56:1</p>		

<p>shingles 21:16 shining 57:9 shorter 50:23 show 4:19,20 5:5 8:23 13:9 36:15 64:11 85:3 showing 82:14 shown 7:7 9:2 12:10 12:12,15 16:10,11 58:17 85:11 shows 11:15 23:25 47:15 58:15 81:7 84:15 shrubs 11:22,23,24 12:7,24 13:5 44:22 44:23 84:9 shunpike 1:10 4:2 6:16,17 41:17 42:13 45:21 53:13 side 6:1,2 7:16 8:2 12:2,3,10,11,13,14 12:14 13:3,7,8 24:9 25:2,13 26:16 43:18 45:24,25 50:17 58:16 61:20 69:17 77:4,5 78:10,14 79:6 84:2 sides 5:2 7:24 sight 70:13 71:14 signals 43:19 signature 88:19 significantly 43:10 silver 58:25 59:1 similar 6:18 8:7 10:17,21 14:20 21:2 25:22 75:13 80:7 simply 56:7 62:9 sims 40:18,22 simulation 3:19,20 3:21 41:8,16,21 42:9 43:2 58:15 simulations 22:21 40:23 single 45:17,18</p>	<p>sir 9:23 39:10 80:15 sit 33:13 site 1:9 4:18 5:14 6:6 7:13,14 8:10 13:23 14:14 17:2,4 17:5,9,23,23,25 26:2 28:18 34:9 40:9,10 43:11 44:5 45:4,9,15 47:13,23 48:19 49:13 51:10 54:7 56:6 67:8 70:3 71:25 sites 17:17 36:1 67:12 73:13 situation 77:12 six 64:9 size 16:4,5,7,8,11,14 16:15,17 30:18 48:13 50:20 51:25 slash 69:7 slightly 15:24 16:6 24:8 47:1 48:9 sloping 62:13 slow 12:4 small 13:6,7 72:14 smaller 11:10 30:12 31:17,22 44:10 48:12 60:22 61:20 61:22 63:13 64:10 72:12 smart 70:8 smoke 48:3 sold 21:6 solid 74:7,25 somebody 14:15 69:15 sorry 4:21 12:4 28:7 36:7 sort 7:25 14:25 45:16 63:23 76:17 79:13 sound 13:20,21 29:20 64:20 65:2 81:9,22</p>	<p>sounded 7:15 sounds 78:2 south 6:2 12:2,11 26:16 41:17 53:13 southern 11:12 space 9:10 25:10 63:23 speak 32:16 63:2 special 1:2 specifically 30:3 spell 33:1 spot 8:14,18 10:17 10:22 spots 26:12 sprint 54:6,8 67:16 square 64:4,7,8,10 64:12 66:7 ss 88:3 stacey 3:9 33:3 69:11 staked 64:4 stakes 60:12,19 stand 58:19 59:14 standard 15:1,11,21 16:5,13 19:3 22:4,8 22:13 23:4 28:6,9 51:21,24 52:10 56:24 61:9 72:10,11 75:11,15 standards 28:3,3 36:5,5,11 standing 49:23 51:3 standpoint 67:23 68:17,18 72:5 start 40:17 state 1:22 27:16 32:25 59:14 88:3,7 88:21 statement 52:21 57:21 stations 38:10 stay 16:14 84:16 stays 80:9 steel 76:8 78:9</p>	<p>stenographic 1:1 stephen 1:17 steve 29:10 84:12 stim 43:7 stimulations 43:22 stipulated 84:5 stone 15:6 22:17 75:16 stones 15:10 straight 14:7 19:2 60:4 65:14 75:2,6 77:16 85:7,9 street 2:5 23:19 43:8 43:10,21 45:19 strong 74:3 structure 3:17 6:5 15:13,23 16:5 21:12 21:19 32:4 38:12 39:1,4 41:13,22 42:1 43:16 46:18 53:14 59:18 60:13 60:16 61:4 62:5,18 62:21 63:5 64:12,18 64:21,24 65:4 66:12 66:16,23 72:8,10,11 74:16,20 75:12,15 77:16,25 79:14,15 80:7,7,19 83:5,16 84:1,3 structures 23:24 38:12 42:20 78:21 stuck 61:2 82:9 studies 35:9,18 55:13,14 study 55:6,16,17 stuff 29:23 81:19 style 31:23,25 52:24 52:24 style 1:15 18:7,14 21:16 85:17,20,21 subject 77:23 83:24 submit 84:6 submitted 22:21 85:8</p>
--	--	---	--

<p>substantial 45:11 48:1,2,15,23 49:5 50:12</p> <p>substantially 51:7</p> <p>suggest 62:8 72:19</p> <p>suggestions 20:13 82:15</p> <p>suitable 47:23</p> <p>suited 45:10 47:13 47:14</p> <p>superimpose 41:1</p> <p>supervision 88:24</p> <p>supplied 37:11</p> <p>supposed 30:4 36:4 40:14 62:4 81:3</p> <p>supreme 55:11,12 55:17</p> <p>sure 17:13,22 21:10 33:3 40:20,23 44:15 53:10 61:3 73:12 86:13</p> <p>surrounding 55:6,9</p> <p>survey 10:13,16</p> <p>suspended 19:5</p> <p>suspension 76:9</p> <p>switch 56:18,20</p> <p>sworn 4:14 39:13,17 88:9</p> <p>system 26:6 35:22 35:24 54:24 71:8</p> <p>systems 52:5</p>	<p>talked 33:19 46:20 56:17 57:8 60:25 80:21</p> <p>talking 7:13,14 9:13 17:16 20:15 29:11 33:24 42:4 48:1 49:12 54:5 63:15 64:17 65:9 76:19,23</p> <p>tall 13:3 14:19 22:6 42:1 44:10,24 62:12 62:13 72:9,10 74:8 75:9 79:16</p> <p>taller 14:17 15:15 15:17,24 24:9 32:2 52:22</p> <p>tan 20:24 72:13</p> <p>tank 30:11</p> <p>tape 70:17</p> <p>tapes 57:6</p> <p>tea 49:21</p> <p>tech 56:21</p> <p>technology 34:6 35:10 36:6,11</p> <p>telco 68:11</p> <p>telecom 20:6</p> <p>telecommunication 20:2,8 51:23</p> <p>telecommunications 51:2 71:7,11</p> <p>telephone 16:23 68:10 71:16,18</p> <p>tell 19:5 31:3 35:12 37:19 38:20 70:1</p> <p>temporarily 72:3</p> <p>temporary 33:6 49:13 54:7 71:25</p> <p>ten 44:22,25 55:3</p> <p>tends 74:21</p> <p>tension 19:23</p> <p>terminal 78:21</p> <p>terms 33:15 41:10 46:17 50:1 56:7 68:8,11,14 69:22 70:11 86:8,10</p>	<p>test 51:13,14</p> <p>testified 4:14 25:12 25:14 39:4,17,24 40:2,3 67:2</p> <p>testify 4:10</p> <p>testifying 15:4</p> <p>testimony 21:9 36:23 37:4,6 47:16 55:24 56:1,9,10,11 58:1,5,7 59:21 60:17 61:5 63:12 69:22 79:12 82:25 88:10</p> <p>thank 4:3 40:6 70:23 86:7</p> <p>thanks 5:13</p> <p>thereabouts 53:4</p> <p>thing 19:7 58:14 60:7,11 62:10 74:11 75:3 76:7 77:10</p> <p>things 6:20 17:5 24:10 25:15 34:1 35:19 52:1 61:1</p> <p>think 6:5,9 9:3,5,16 10:15 12:23 14:13 14:24 15:11 17:19 20:16 23:8,9 24:4 26:15,21 29:13,16 31:10 32:12 34:17 34:18,24 36:21 38:18 50:3 52:17,23 55:11 56:5 57:1,25 58:1,2,20 64:6 69:3 70:12 72:11,12,14 73:3,13,22,25 74:11 74:12,18,21 77:18 79:11,13 80:1,3,6,9 80:11,14,18,19 82:7 82:8 86:16</p> <p>thinking 29:25 39:1 78:11</p> <p>thirty 39:21</p> <p>thought 4:23 57:19 62:17 69:15</p>	<p>three 43:3</p> <p>throw 18:12</p> <p>tied 19:9</p> <p>time 4:15,23 19:24 24:25 26:8 36:20 39:13 42:23 43:25 44:4,5,17 45:12 46:5 51:23 56:18 62:14 63:3,14 65:11 80:23</p> <p>timer 56:20,23 85:1</p> <p>times 58:21 67:20 82:13</p> <p>tiny 12:5</p> <p>today's 5:19</p> <p>told 65:23</p> <p>tomorrow 70:18,22 86:21</p> <p>tones 20:16,18</p> <p>toniann 1:21 88:6 88:20</p> <p>tonight 11:18 44:4 44:23 70:20</p> <p>tons 70:4</p> <p>top 6:18 11:3 14:1 21:13,18,18,25 22:6 23:1,3,4 24:24 32:1 35:13 37:25 38:1 41:14,21,22 42:21 43:15 45:5 53:14,18 53:23,24 54:3,16,19 54:19 59:24 66:6,7 67:19,20 68:2 75:7 79:19</p> <p>topic 69:14 80:22</p> <p>tore 8:24</p> <p>torn 8:13</p> <p>total 11:25 12:8</p> <p>tower 8:6 9:2,9,10 9:16 10:16,24 11:3 11:5,6,6 12:15,17 17:11,15,19 18:23 19:6,9,11,12,23 25:14,20 26:1,25 27:2,11,11 28:20,25</p>
t			
<p>t 3:13 33:4 88:1,1</p> <p>tacking 35:12</p> <p>take 24:16,22 40:25 53:2 58:1 63:23 64:12 72:19 86:19</p> <p>taken 42:22 43:25</p> <p>talk 11:22 13:22 21:8 22:22 35:21 44:1 46:16 47:9 57:18 63:14 65:25 70:7 73:5 74:25</p>			

<p>29:22 41:19,22 42:3 42:18 45:6 47:8,18 47:19 48:25 49:15 49:17,19,23 50:24 51:3 53:13,23 54:2 54:3,7 55:15,23 56:4,6 57:22 59:5 63:22 67:6,21,25 71:20 72:1,24 79:15 79:18 80:1 towers 8:13,13,19 8:25 9:5,11,11 18:17 28:2 33:7 46:3 53:3,4,18 55:14 67:3 70:3,3,5 79:15 town 21:22 33:8 37:9 46:2 70:13 79:7,9 town's 33:18 36:9 37:12,14 towns 27:15 township 1:1,3 6:6 26:5 38:21 84:3 townships 27:15 traffic 48:4 transcribed 1:21 transcript 1:1 88:23 transformers 16:20 53:25 transmission 25:14 71:20 treated 20:21 tree 42:22 43:1 44:14,18 47:19 65:25 66:1 71:13 trees 44:8,9,12,14 45:13 65:8 69:18 tried 5:15 44:7 true 31:12 50:22 88:10 try 4:4 6:2 19:23,25 29:23 32:17 49:1 80:5 82:13</p>	<p>trying 10:9 27:17 31:6 49:7 65:16 74:6 tsimboukis 1:18 70:21 85:20,22,24 86:1,3,5 tunnel 78:1,13 82:17 turn 18:8 56:21 twelve 52:18 twice 77:19 two 5:2 9:11 25:10 26:11 27:5,6,8 28:16,21,24 32:8 37:24 41:9 42:17 53:19 60:5 61:20 63:14 64:8 67:4,12 70:2 73:13 74:1 type 11:1 50:21 83:16 typical 21:22 typically 20:1 67:10</p> <hr/> <p style="text-align: center;">u</p> <p>ugly 61:2 underground 38:15 38:19 39:4 76:24 77:11,17,24 79:5,5 83:24 underneath 10:24 11:6 19:5 27:11 63:22 76:11 80:8 understand 10:12 59:21 60:14 80:25 understanding 52:4 understands 48:6 unfortunately 69:7 unit 29:4 units 81:7 upshot 85:9 usage 51:25 52:6 use 1:9 16:16 22:8 38:11 40:10 45:10 46:4,13 47:6,22 50:2,7 51:2,10 52:2</p>	<p>78:19 83:1,1 uses 50:20 usually 16:22 18:11 29:19 40:18 57:2,4 67:3 77:11 utility 50:15</p> <hr/> <p style="text-align: center;">v</p> <p>valid 55:18 value 55:6,8,15 56:9 66:4 values 70:7 variance 1:9 10:3 40:10,12 46:4,9,9 46:13,14 47:2 50:1 50:16 51:13,14 57:20,20,25 58:2,4 58:9 59:23 68:21,22 68:25 69:1 73:16,20 80:11 83:1,14 variances 40:11,17 45:3 46:17 50:4,6 50:13 51:7 82:24 83:2,17 85:13 varied 8:17 vegetation 43:24 44:2 45:13 vent 17:24,24 verify 58:22 verizon 6:5 versus 24:9 65:18 69:24 vicinity 9:17 view 37:23 42:14 43:8,20 53:12 69:17 84:1 views 44:18 village 29:25 visible 42:16,18,19 42:25 62:21 65:22 66:4 visit 7:14 14:14 visual 45:14 48:7,8 51:4 61:24 62:5 65:7,16 66:3 74:10</p>	<p>82:11 84:1 visually 74:11 visuals 70:12 vivona 1:13 4:1,12 5:11 8:12,20,23 9:5 9:9,15 10:5,7,9,19 10:23 11:9 12:21 14:5,19 16:7,19,25 17:2 18:19,25 19:10 19:18 20:9,19,23 21:1 22:13 23:7,16 23:20 27:10 31:10 31:24 36:16,21 37:14,22 38:6 39:9 39:11 40:3,6 51:17 52:9,12,15,17,19 53:2,6,8 54:20 57:10,15 58:23 59:1 59:8,11 64:3 65:5 66:14 69:3 70:24 72:7,16,22 73:1,15 73:19 74:15,23 75:6 75:12,21,23 76:7,13 78:1,6,12 79:11,21 79:25 80:6 81:2 82:1,12 83:7 84:4 85:5,16,18 86:5,6 86:25 voice 52:2,5 voltage 36:14 volts 34:23 vote 72:19</p> <hr/> <p style="text-align: center;">w</p> <p>w 33:4 39:15,19 wait 38:3 61:19,19 wall 76:18 want 5:4,6 14:7 18:20 20:10 24:16 25:13 26:10 35:17 36:19 54:2,5 55:19 57:18 58:11 60:4 61:10 63:11 75:19 75:20 80:12 82:5 85:6</p>
---	---	---	--

<p>wanted 14:8 24:22 27:2 64:1 wants 15:22 67:19 67:24 79:15 water 17:15,19 30:11 56:4 way 9:7,8 16:10 25:24 29:23 43:21 48:6 50:16 54:5,17 67:19 70:18 72:15 74:3,8 75:11 76:6 76:21 78:8 80:10,14 88:14 ways 79:2 we've 48:13 82:7 web 34:9 website 69:14 70:21 wednesday 1:3 welcome 37:16 welfare 47:16,22 went 4:7,17 7:17 12:24 14:15 31:15 34:22 37:15 45:8 55:16 61:2 63:19 65:23 70:5,5 west 5:24 7:6,18 12:12 26:20,22 42:5 weston 1:15 67:1 68:3,6 74:5,17 76:16,25 78:17,25 85:24,25 wet 38:22 wetlands 77:12 wheel 18:5 whereof 88:16 wide 9:25 16:12 width 22:3 widths 34:2 william 1:15 wilson 3:7,10 24:20 25:1,6 26:24 27:4 31:12,20 32:6 59:16 59:16 60:3,7 61:11 61:15 62:2,2,14,16 62:20,25 63:4,7,10</p>	<p>63:21 64:1,15 65:3 65:7 66:11,15,20,22 66:25 68:20,24 78:2 80:16,17 81:10,12 81:23 82:10 wilsons 13:12 windows 35:16 wire 19:1 60:25 wireless 1:7 2:4 4:2 29:1 46:2 48:8 71:8 wirelesses 71:11 wires 27:12 43:18 76:9 78:7 wise 54:18 64:4,8,10 witness 4:15,25 5:22 6:13,17,24 7:6,12 8:6,17,22 9:1,7,13 9:16,21,24 10:13,21 10:25 11:14,17 12:6 13:1,6 14:13,18,22 15:15,21 16:3,10,22 17:1,4,13,16,22 18:4,11,24 19:3,14 19:25 20:22,24 22:3 23:1 24:4,8,12,24 25:4,16,19 26:10,21 27:1,6 29:5,8,19 30:9,13 31:1,4 32:7 32:11 34:11,14,17 34:24 35:23 36:14 36:17 38:7,18 39:14 39:18 40:5 42:12 43:6 44:2 52:4,11 61:13 66:18,21 68:23 88:11,16 witnesses 88:8 wobbly 73:4 wonder 77:7 wonderful 70:23 wondering 30:6 58:18 wood 14:2 31:5 81:16,17 work 8:2 54:24 69:21 71:14 72:4</p>	<p>79:1 worked 40:24 worrisome 25:8 worry 23:15 worst 43:25 worth 11:2 31:14 53:24 63:21</p> <p style="text-align: center;">x</p> <p>x 1:5,10 3:1,13</p> <p style="text-align: center;">y</p> <p>y 33:4 yard 10:4 40:12 45:23,24,24 46:17 50:5,14,17 65:19 83:4 yards 45:1,25 yeah 8:6,11 10:21 11:19 14:22 17:4 20:5,15 23:6 24:7 24:12 25:4 28:22 31:1 32:7 34:9,18 34:24 38:2 44:2 52:11 57:18 61:6,13 63:10 67:18 81:11 84:18 year 44:1,13 70:10 years 33:25 34:1 39:21 yellow 12:24 22:16 york 39:25</p> <p style="text-align: center;">z</p> <p>z 6:19 15:18 zone 45:11,17,18,23 46:4,6 47:5 48:17 48:21 49:1,2,3,9,12 49:12,13,17 51:7,8 72:2 zoning 1:1 39:24 45:7 46:7 68:14,17</p>
--	---	--