

TOWNSHIP OF CHATHAM
PLANNING BOARD

In the Matter of: :
 : Transcript
FILE BOA 18-105-5 :
 : of
VERIZON WIRELESS :
Spring Street : Proceedings
Block 105, Lot 5 :
-----x

Thursday, April 19, 2018
54 Meyersville Road
Chatham Township, New Jersey
Commencing at 8:13 p.m.

BOARD MEMBERS PRESENT:

TONY VIVONA, Chairman
JON WESTON, Vice Chairman
DENNIS NEWMAN
WILLIAM STYPLE
RICK WILLIAMS
MICHAEL HYLAND
GREG BORSINGER
PAIGE LABADIE
DAVID FITT

MARGARET SMITH, Board Secretary
JOHN RUSCHKE, Board Engineer
ROBERT MICHAELS, Board Planner

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

STEPHEN H. SHAW, ESQUIRE
Attorneys for the Board
VOGEL, CHAIT, COLLINS & SCHNEIDER
BY: DAVID SOLOWAY, ESQUIRE
Attorneys for the Applicant

MICHAEL LOMBARDOZZI,
Certified Shorthand Reporter

PRECISION REPORTING SERVICE
CERTIFIED SHORTHAND REPORTERS

(908) 642-4299

TABLE OF CONTENTS

WITNESS	PAGE
Alec Norris	9
Paul Dugan	36
William Masters	39

E X H I B I T S

NO.	DESCRIPTION	PAGE
A-8	Photo simulations	45

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

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

CHAIRMAN VIVONA: Calendar BOA
18-105-5, Verizon Wireless, Spring Street,
collocation. Is.

MR. SOLOWAY: Evening, everyone, thank
you, David Soloway, Vogel, Chait, Collins &
Schneider, for Verizon Wireless. Just give me a
moment to get set up here.

This is a wireless communications
equipment collocation application. I submitted
kind of a detailed rider with the application,
where I discuss an order issued by the FCC in 2015
that requires municipalities to approve
applications to collocate wireless facilities that
meet the criteria set forth in the order. I
understand that the board some familiarity with
this kind of application --

CHAIRMAN VIVONA: Maybe a little.

MR. SOLOWAY: -- because you have
handled it before.

We filed an application for an
interpretation with the board, for a determination
that we meet those criteria, and that we should
therefore be approved.

We've also filed, in the alternative,

1 for site plan approval with related variances, as
2 I'll explain in a moment.

3 As you may be aware -- interestingly,
4 it's still on your agenda -- we had previously
5 filed an application to install antennas and
6 equipment on an existing PSE&G tower off of
7 Southern Boulevard, which I believe is two towers
8 down from the one we're before you on tonight.
9 Representatives of the township kind of reached out
10 to us, to let us know that they'd prefer that we
11 not go there, and asked us if we could find
12 someplace else.

13 So we looked, we did, and we've now
14 filed this application, which is on a different
15 PSE&G transmission tower, located off of Spring
16 Street, Block 105, Lot 5. And hopefully everybody
17 will see this is kind of a win/win/win. From the
18 township's perspective, I think this is a more
19 palatable site than the one off Southern Boulevard,
20 and from our perspective, this site works, this
21 site meets the FCC order criteria; the other one
22 doesn't. So it's actually a less complicated
23 application on our end.

24 What we're proposing to do
25 specifically is slightly extend the height of the

1 transmission tower, which is 131 feet now.
2 T-Mobile, pursuant to an approval issued by this
3 board, already has antennas located there at a
4 centerline of 126 feet.

5 We're proposing to install three
6 sectors of three antennas each, at a centerline of
7 136 feet; top elevation will be 139 feet. We're
8 also proposing supporting cables and an expanded
9 equipment compound at ground level.

10 I mentioned earlier that we were
11 asking in the alternative for variance relief. The
12 application does not comply with three separate
13 requirements of your:

14 First, you have in your wireless
15 ordinance a conditional use requirement that
16 antennas used on these types of facilities be
17 limited to 5 feet in height. The antennas here are
18 6 foot 1 inch.

19 Secondly, we need an impervious cover
20 variance -- I don't have the exact dimensions in
21 front of me, but the existing site already is not
22 in compliance; we're going to slightly and
23 unavoidably increase that.

24 The third variance relates to the
25 fence, we're proposing a 7-foot-high fence; your

1 ordinance limits fence heights to 6 feet. We can
2 do that, but when you approved the application for
3 T-Mobile, you granted them a variance for a 7-foot
4 fence, and we're assuming that's what you want from
5 us; otherwise, it would look pretty ridiculous.
6 But we could do 6 feet.

7 In any event, as I'd mentioned, under
8 federal law, if we meet these criteria, we're
9 entitled to approval as a matter of law. This
10 transmission tower does qualify as what they call a
11 base station, as defined by federal law. I'll
12 summarize that briefly at the end; I'm sure your
13 attorney's read it and he's familiar with it.

14 I'm anticipating three witnesses:

15 I have the project engineer, who will
16 explain what's there, what it is we're doing.

17 I also have a radiofrequency emissions
18 expert. I don't think that's technically a
19 requirement of your ordinance or the FCC order,
20 but, generally, I always think it's a good idea,
21 because some people get concerned about that. He
22 submitted a report; he'll testify that we comply
23 with the emissions standards.

24 And thirdly, I have a planner who will
25 discuss the application in the context of the few

1 variances that I mentioned.

2 And unless somebody has a question,
3 ready to go.

4 MR. SHAW: Not a question, but we
5 should read into the record the site inspection
6 report?

7 MR. SOLOWAY: Certainly.

8 MR. SHAW: John, you want to?

9 COMMISSIONER WESTON: Yep.

10 "Collocation application for Verizon
11 Wireless on PSE&G tower on Spring Street, Block
12 105, Lot 5, BOA 18-105-5, site visit report. Let
13 me just note that I left out from the written
14 report the date of the visit, which was April 7th
15 at 9:30. Attendees: Anthony Pavona, John Weston,
16 Greg Borsinger, Paige Labadie, Steven Shaw, and
17 Jeremy McEwan at Maser Consulting.

18 "The applicant, Verizon, seeks to
19 collocate three sets, each comprising three
20 antennas, on a power tower located in the vicinity
21 of Spring Street and School Avenue. The tower
22 already has cell phone antennas and facilities
23 operated by T-Mobile. The applicant is requesting
24 three variances as follows:

25 "Maximum impervious lot coverage:

1 44,134 square feet proposed; 43,700 square feet
2 existing; 24,266 square feet allowed.

3 "Maximum height of panel antennas:
4 72.9 inches proposed; 60 inches allowed.

5 "Maximum height of fence: 7 feet
6 proposed; 6 feet allowed.

7 "Verizon plans to construct a concrete
8 pad, 10 and a half by 25 feet, to accommodate its
9 equipment within the fenced-in area, that will be
10 expanded by 434 square feet. In addition,
11 underground electrical telecommunications conduit
12 will be installed to existing T-Mobile facilities.

13 "The power tower is not in close
14 proximity to houses in the area, as it is within
15 the parking area for township tennis courts and the
16 Colony Pool.

17 "Submitted by Jon Weston."

18 CHAIRMAN VIVONA: Thank you.

19 All right, Mr. Szalay.

20 MR. SOLOWAY: I forgot that that was
21 previously provided to us.

22 CHAIRMAN VIVONA: Okay.

23 MR. SOLOWAY: Ready to go?

24 CHAIRMAN VIVONA: Yep.

25 MR. SHAW: Yep.

1 MR. SOLOWAY: Okay. Mr. Norris?

2 MR. NORRIS: Good evening.

3 MR. SHAW: We'll swear you in real
4 quick.

5 A L E C N O R R I S, having been
6 duly sworn, testified as follows:

7 CHAIRMAN VIVONA: Please state your
8 name for the record.

9 MR. NORRIS: Yep, Alec, A-L-E-C,
10 Norris, N-O-R-R-I-S. I work at Maser Consulting at
11 200 Midlantic Drive in Mt. Laurel, New Jersey. You
12 want my credentials?

13 MR. SHAW: We've had him testify here
14 several times.

15 MR. NORRIS: Yeah, most recently in
16 January.

17 CHAIRMAN VIVONA: No, we're good.

18 DIRECT EXAMINATION

19 BY MR. SOLOWAY:

20 Q. Go.

21 A. On the board is the Z-1 sheet from the
22 plan set in front of you, Rev 0, dated February 2,
23 2018. I'm sure most or all of you are very
24 familiar with this site, it's at the corner of
25 Spring Street and School Avenue.

1 And not too long ago, T-Mobile was
2 approved for installation at this PSE&G tower,
3 which is identified as pole number 8/5-1 of the
4 Roseland-Metuchen transmission line. T-Mobile was
5 approved with a compound at grade level, measuring
6 10 foot by 31 feet -- I'll switch over to the Z-3
7 sheet in just a second. Essentially, what we're
8 doing is we are going directly adjacent -- we're
9 proposing to go directly adjacent to T-Mobile at
10 the grade level, and then I'll -- I'll get into the
11 requirements of the antenna elevation in a second
12 here or two, as the Z-1 sheet.

13 I'll flip over to the Z-3 sheet of the
14 same set, dated February 2, 2018. A blow-up of the
15 site plan is on the left side of the sheet.
16 Basically, it shows T-Mobile's existing
17 10-foot-by-31-foot fenced compound, and Verizon's
18 proposed 14-foot-by-31-foot compound going directly
19 adjacent to T-Mobile.

20 The fencing that was approved for
21 T-Mobile was a 7-foot-high composite wood fence in
22 brown color, which is installed out there today.
23 So for Verizon Wireless, we are proposing exactly
24 the same type of fence, gives it all the
25 contiguous, you know, fenced compound. So that is

1 the reason for the variance for the fence height.

2 Within the compound there'll be a
3 gravel surface, a 10-foot-by-25-foot concrete pad,
4 a 10-and-a-half-foot-by-25-foot concrete pad with
5 the equipment cabinets on it, electric and tell
6 co-service will originate from within the T-Mobile
7 portion of the compound. Any coaxial cables will
8 extend via cable bridge from the compound area to
9 the pole, similar to T-Mobile's design.

10 And then, on the right side of the
11 sheet, of sheet Z-3, is the elevation view. We
12 have the 131-foot PSE&G pole, and then, at the
13 ground level, we're, again, showing the compound
14 with the 7-foot-high composite wood fence, coaxial
15 cables extending up the outside of the pole, to a
16 proposed 12-and-a-half-foot triangular platform,
17 which is proposed to be placed above the top of the
18 tower.

19 As you recall, T-Mobile is placed at
20 126-foot centerline elevation on the 131-foot pole,
21 which is just below the top. We've had similar
22 other sites where it was questioned where on the
23 pole could an applicant place their antennas, and
24 due to safety zones, there are very limited spots.
25 So T-Mobile took the spot right below the bottom --

1 or right below the top arms; Verizon Wireless is
2 proposing to go right above the top, because the
3 only other place you could essentially place
4 antennas on this pole would be all the way down
5 below the bottom conductors, at maybe 50 foot or so
6 AGL, which is too low with trees in the
7 neighborhood and things of that nature. There are
8 nine proposed -- nine proposed antennas measuring 6
9 foot 1 inch in height, and there are 12 coaxial
10 cables.

11 I believe that's pretty much the crux
12 of the application.

13 There's no potable water, sewer. It's
14 not a habitable site. The technician will park in
15 the adjacent parking lot and just walk over to the
16 compound. Technicians would typically visit the
17 site about once a month.

18 Q. Can you just confirm on the
19 impervious, for the record.

20 A. Sure. Yeah, so we're exacerbating an
21 existing condition, basically the parking lots on
22 the property there. You know, we will -- we don't
23 increase the impervious coverage by a lot, and so,
24 therefore, we're exacerbating that existing
25 condition.

1 MR. SOLOWAY: Mr. Ruschke, you want us
2 to address your comments in your technical review?

3 MR. NORRIS: I can zip through them.

4 MR. SOLOWAY: I'm referencing,
5 Mr. Chairman, Mr. Ruschke issued -- it's kind of a
6 combination completeness and technical review
7 report, dated April 2, 2018, referring specifically
8 to the technical review comments that start on page
9 3.

10 A. Yes, I have it here. Comment number 1
11 is with regard to where the crane would be placed.
12 So I reached out to PSE&G to find out where they
13 anticipate the crane being placed, if this
14 application were approved, and they basically
15 informed me that it would be between the
16 compound -- the existing T-Mobile compound and
17 Spring Street. So it'd be in the grassed area
18 between the compound and Spring Street, that's
19 where they anticipate a crane being placed for the
20 installation.

21 CHAIRMAN VIVONA: All right. So that
22 wouldn't affect the driveway or parking.

23 MR. NORRIS: No. The other option
24 would be to put it back in the parking area, and
25 they said that would not be a good idea. So their

1 other option was in the grassed areas, so that
2 would be where they would place it.

3 CHAIRMAN VIVONA: Okay.

4 A. Number two is with regard to the
5 access route. Basically, a technician would park
6 in the parking lot and then walk over to the
7 compound. Our centerline of access is not exactly
8 100 percent accurate, so we would modify that.

9 Number 3, prior to issuance of the
10 building permit, a signed and sealed structural
11 design should be provided. If this application
12 were approved tonight, we'd have no problem
13 providing the signed and sealed structural
14 analysis --

15 Q. And we'd agree to that as a condition
16 of the approval?

17 A. Yeah. The building -- the structural
18 analysis was completed, and indicates that the pole
19 is adequate to support the load.

20 Number 3 --

21 Q. That was number 3.

22 A. Sorry, number 4, sheet Z 1 of the
23 plans should also be signed and sealed by a
24 professional land surveyor -- that's not a problem
25 at all -- or in lieu of a land surveyor signing and

1 sealing sheet Z-1, would it be okay to just provide
2 separate sealed survey documents?

3 MR. RUSCHKE: Yes.

4 A. Number 5, the applicant should verify
5 that the existing electrical cabinets within the
6 neighboring T-Mobile compound could be utilized,
7 and that is exactly what we're doing, we're
8 proposing service from T-Mobile's compound. So
9 there will be no new service out to the nearby
10 utility pole.

11 MR. SOLOWAY: Okay. Also,
12 Mr. Chairman, we received a copy of an April 10,
13 2018 report from Mr. Michaels. And on page 3, he
14 asks a couple of things.

15 BY MR. NORRIS:

16 Q. I guess we're dealing -- in terms of
17 your testimony, Mr. Norris, with items 5 and 6 in
18 that report.

19 A. Yes, I'll go through numbers 5 and 6.

20 Number 5, the fencing that will
21 enclose the Verizon Wireless supporting equipment
22 shall be the same color and match the existing
23 fencing, which is exactly what we're doing, we
24 were -- we anticipate matching exactly the T-Mobile
25 fencing.

1 And the cables to be attached to the
2 pole should match the color of the poles as closely
3 as possible. The antenna panels should also be
4 gray in color to match the pole and T-Mobile
5 antennas. I'm aware -- you know, T-Mobile's
6 approval was conditioned upon gray co-ax, and
7 painting the antennas gray, which is what they did,
8 and so Verizon -- we can match what they've done.

9 And number 6, the applicant should
10 confirm that no landscaping is permitted around the
11 compound enclosure. Yeah, we're not proposing any
12 landscaping based on PSE&G's directive.

13 Q. Okay. Just a few more questions,
14 Mr. Norris.

15 Addressing the requirements of the
16 FCC. Is this application going to increase the
17 height of the existing tower by more than 10
18 percent?

19 A. No.

20 Q. Are the antennas going to protrude
21 more than 6 feet from the edge of the tower?

22 A. No.

23 Q. Are we proposing more than four
24 cabinets?

25 A. No.

1 Q. Will there be any excavation or
2 deployment outside this -- the current
3 site/property?

4 A. No.

5 Q. Are there any concealment elements
6 from prior approvals that would in any way be
7 defeated or undermined by this application?

8 A. No.

9 Q. Do we violate any conditions of the
10 T-Mobile approval?

11 A. No.

12 MR. SOLOWAY: Those are the FCC order
13 criteria, Mr. Chairman.

14 CHAIRMAN VIVONA: Okay. So you're
15 going up with -- T-Mobile has 12 antennas. You
16 guys are only putting 9, but your compound is
17 bigger.

18 MR. NORRIS: I think T-Mobile's --
19 right now, T-Mobile has six antennas up there. I
20 don't recall if they were approved for 12. I think
21 they only have six mounted up there.

22 MR. SHAW: I think they were approved
23 for 12.

24 MR. NORRIS: Were they approved for
25 12? Okay. We're proposing nine.

1 CHAIRMAN VIVONA: Okay. T-Mobile's
2 compound is 10 by 31; yours is 14 by 31.

3 MR. NORRIS: That's correct.

4 CHAIRMAN VIVONA: Why?

5 MR. NORRIS: I believe it's the
6 concrete pad is a little bigger. Yeah, we have a
7 slightly larger concrete pad.

8 CHAIRMAN VIVONA: You only have four
9 boxes in there. Right?

10 MR. NORRIS: That is correct.

11 CHAIRMAN VIVONA: Can we make it 10 by
12 31?

13 MR. NORRIS: Yeah, I don't foresee
14 that being an issue, because we would still have
15 enough of a 3-foot-wide walking area.

16 CHAIRMAN VIVONA: Okay. The fencing,
17 obviously it'll be exactly what we have. Now, is
18 your unit going to combine with that one? So will
19 it be a big square instead of two rectangles?

20 MR. NORRIS: Yes, we're proposing to
21 remove the fence from the middle, and so it'll be
22 just one big box.

23 CHAIRMAN VIVONA: And both companies
24 can access through one gate?

25 MR. NORRIS: Yes. Yeah, we have a

1 gate on the northwest side of the fence.

2 CHAIRMAN VIVONA: So is that where it
3 is now, currently?

4 MR. NORRIS: That is where it is now,
5 and basically we're just bumping it out, that's
6 correct.

7 CHAIRMAN VIVONA: Okay. So your
8 cement pads will be joined?

9 MR. NORRIS: The concrete pads won't
10 be joined, but the fence compound will be one
11 singular compound.

12 CHAIRMAN VIVONA: Okay. But it's
13 going to be, like, right next to the other one.

14 MR. NORRIS: Yes.

15 CHAIRMAN VIVONA: Not a foot away;
16 right next to it, nearly touching?

17 MR. NORRIS: What, the concrete pads?

18 CHAIRMAN VIVONA: Yeah.

19 MR. NORRIS: Well, the concrete pad
20 for T-Mobile is situated kind of -- it's not right
21 up to the fence, the existing fence, it's a few --
22 probably, like, 4 feet or so away from the fence.
23 And then, on the other side of that fence, very
24 close to that is where the concrete pad is for
25 Verizon. So, I mean, they're probably, like, 5

1 feet apart, or something like that.

2 CHAIRMAN VIVONA: Do they have to be?
3 I mean, the space in between, it would have a fence
4 anyway. It's not like it's doing anything. What
5 we're trying to do is, instead of having a giant
6 31-foot square, or whatever it is, if we can get
7 them as close as possible to take up the minimal
8 footprint. They're all open air stuff.

9 MR. NORRIS: I'm just trying to think
10 of how it impacts -- there's a lot of grounding and
11 stuff, and I'm trying to think of how it impacts
12 that.

13 CHAIRMAN VIVONA: You have the
14 underground grounding mesh thing?

15 MR. NORRIS: Yeah, the grounding and
16 stuff.

17 MR. SOLOWAY: It's a convoluted,
18 before we get here, approval process that we have
19 to go through with PSE&G too, and I'm kind of
20 reluctant to change anything that they've approved,
21 because I don't know if I'm going to create an
22 issue there.

23 MR. NORRIS: I mean, certainly we can,
24 you know, revise the concrete pad and shrink it
25 down a little bit, and we can pull in the fence a

1 little bit. I'm just trying to get -- you know,
2 T-Mobile's design and Verizon's design just happen
3 to be different, and trying to put them together
4 without doing it initially --

5 COMMISSIONER NEWMAN: Will there be
6 grounding around yours as well?

7 MR. NORRIS: Yes.

8 COMMISSIONER NEWMAN: But a separate
9 grounding, not even one combined that goes around
10 the whole thing?

11 MR. NORRIS: Yeah, there's already
12 existing grounding there for T-Mobile, so we're
13 trying not to, like, rip up the entire compound.

14 MR. SOLOWAY: Again. They already
15 did.

16 CHAIRMAN VIVONA: Well, there's really
17 not much excavating. Right? The cement thing is,
18 what, 6 inches thick, on top of 6 inches of gravel?

19 MR. NORRIS: Basically.

20 CHAIRMAN VIVONA: So you're not
21 digging 10 feet down to build a cellar or anything.
22 So if you can look into -- I know you don't know
23 what T-Mobile did, or maybe you do, but if you can
24 look into that, the main thing I'd like to try and
25 do is just shrink footprint, if you can match the

1 10 as opposed to the 14, that'd be great. The
2 fence, you know, has to be exactly the same. The
3 cable bridge will be exact same height, so when you
4 look at it from the side, you see, like, one, and
5 not stacked.

6 MR. NORRIS: Right.

7 COMMISSIONER BORSINGER: I had a
8 question on that. Have you ever seen where two
9 carriers collocate on one cable bridge?

10 MR. NORRIS: Yeah, usually it gets
11 very tall and very busy. We try to -- prefer them
12 to not be, you know, too tall in height. So I
13 guess --

14 COMMISSIONER BORSINGER: I'm not
15 talking height, I mean maybe, like, put them on top
16 of the other one, or make the existing cable bridge
17 a little wider, to get rid of one cable bridge.

18 MR. NORRIS: Yeah, you know, again,
19 T-Mobile had an approval, and they're built, and
20 now we're trying to go in and basically retrofit it
21 to get Verizon there. So, basically, trying to
22 retrofit T-Mobile's system is going to be
23 difficult. And it's not -- you know, T-Mobile's
24 cable bridge basically goes to their -- the backs
25 of their equipment cabinets; it doesn't go to -- I

1 mean, I guess you could have an extension, but
2 PSE&G requires a 10-foot minimum to the co-ax, so
3 in order to get -- assuming it's --

4 COMMISSIONER BORSINGER: It's going to
5 be the same height, I understand --

6 MR. NORRIS: Assuming T-Mobile's built
7 that way, you'd have to put Verizon above them.

8 CHAIRMAN VIVONA: You'd still need
9 some sort of a bridge to get to the other bridge,
10 though. I know what you're saying, instead of
11 having the angle, have it more of a 90 degree and
12 join them up.

13 COMMISSIONER BORSINGER: Aligned to
14 the next --

15 CHAIRMAN VIVONA: The cable's, like,
16 this thick. Correct? The coaxial cables.

17 MR. NORRIS: They're, like, 2 inches
18 in diameter.

19 CHAIRMAN VIVONA: And they're also
20 going on the opposite side?

21 MR. NORRIS: Yeah, I mean, I guess,
22 ideally, coming in with two carriers at the same
23 time, and we could fine tune all that stuff, would
24 have been perfect, but, unfortunately, with
25 Verizon -- with us trying to go to a different

1 tower, and now coming to this one, not everything's
2 as smooth as it could have been if it was, like, a
3 joint application. We can certainly shrink down
4 Verizon's compound.

5 CHAIRMAN VIVONA: T-Mobile's using the
6 same antennas, the 6-foot ones?

7 MR. NORRIS: I don't know if they're
8 exactly the same model, but I think they're more
9 than 5 feet as well.

10 MR. SHAW: There was a variance
11 granted for the antenna height.

12 MR. NORRIS: Yeah, that's kind of
13 common.

14 CHAIRMAN VIVONA: Yeah, I don't think
15 5-footers are used anymore.

16 MR. NORRIS: Yeah, I think theirs are
17 probably around 6 also, but I doubt they're the
18 exact same models.

19 CHAIRMAN VIVONA: Okay. Also, you're
20 nine antennas, and what'd you say, 12 wires?

21 MR. NORRIS: Twelve.

22 CHAIRMAN VIVONA: So that would --
23 T-Mobile has -- I mean, they still couldn't
24 tri-locate. Correct?

25 MR. SHAW: There aren't three

1 locations anyway.

2 MR. NORRIS: True.

3 MR. SHAW: He said it's 50 feet
4 height.

5 MR. SOLOWAY: And PSE&G doesn't allow
6 a third carrier on their transmission towers.

7 MR. NORRIS: Yeah, they have a policy
8 where they don't allow two carriers on a pole
9 anymore.

10 CHAIRMAN VIVONA: Okay. It would be
11 nice if we could do one cable bridge, but I think
12 that might even look worse, Greg, because you're
13 going to have to have a cable bridge over the other
14 cable bridge, and then you're stacking nine cables
15 this big on top of -- or 12 cables that big on top
16 of --

17 COMMISSIONER BORSINGER: I was
18 thinking you could run the cables over into the
19 T-Mobile, and then just run them parallel to the
20 existing one.

21 CHAIRMAN VIVONA: Oh, yeah.

22 COMMISSIONER BORSINGER: But, you
23 know, I don't want to complicate things.

24 CHAIRMAN VIVONA: Yeah.

25 COMMISSIONER NEWMAN: But if they have

1 to go up a different side of the pole anyway, once
2 they get over there they're going to have to wrap
3 around so they can go up the one side.

4 MR. SHAW: And you'll have to go back
5 to PSE&G to get approval.

6 MR. SOLOWAY: I really don't want to
7 do that. And with all due respect, you know, I
8 assume the people who design these things know what
9 they're doing, and that, most of the time, at
10 least -- there's a reason for doing things the way
11 they do them.

12 COMMISSIONER BORSINGER: No, I just
13 asked the question if he's seen it before.

14 CHAIRMAN VIVONA: I think, as
15 Mr. Norris said before, if they had -- if these two
16 companies had worked together and designed it
17 together, they probably could have done that.

18 MR. NORRIS: Like, I have seen it done
19 before. It's pretty big --

20 COMMISSIONER BORSINGER: It's good to
21 know, in case two people come at, you know, the
22 same time on the same tower.

23 MR. NORRIS: Yeah, PSE&G tower 26/1
24 has it like that, but that was, like, a built-in --
25 it was, like, a shed that they -- you know, the

1 structures would be built all at the same time, and
2 I -- some of the carriers are all using the same
3 cable bridge to get out there. It's a Fort Worth
4 insert design, so it's different, the setup.

5 MR. SHAW: So just so I'm clear, you
6 would be able to reduce the actual size of the
7 equipment compound to 10 by 31?

8 MR. NORRIS: Yeah, we can definitely
9 do that.

10 MR. SHAW: And correspondingly, you
11 know, some slight reduction in the fencing, because
12 the compound is smaller.

13 MR. NORRIS: Yeah, so it'd basically
14 pull the one side of the fence in 4 feet, so
15 you're -- you know, you're losing 4 feet --

16 MR. SOLOWAY: I would assume, from the
17 perspective of the board, if you want the size of
18 the compound reduced, what you're really talking
19 about is the fence, because you don't see what's
20 beyond the fence anyway.

21 MR. SHAW: This is true.

22 CHAIRMAN VIVONA: It's the footprint.

23 MR. SOLOWAY: Right.

24 CHAIRMAN VIVONA: Okay.

25 MR. SOLOWAY: You said we can do it?

1 MR. NORRIS: Oh, we can definitely do
2 that.

3 MR. SOLOWAY: Okay.

4 CHAIRMAN VIVONA: Yeah, that's --
5 that's pretty much a given, and then you're going
6 to check in to seeing if you can inch it over a
7 little bit, and then still have the grounding work.

8 MR. NORRIS: Yeah, I'll look into it.

9 CHAIRMAN VIVONA: Right. I know
10 it's -- they have this big system for the
11 grounding, and you might not be able to do it, but
12 by shrinking the 4 feet there, it's 4 feet less
13 fence --

14 MR. NORRIS: I'll see how feasible it
15 is. Okay. Ideally, you would like the pads to be
16 very close.

17 CHAIRMAN VIVONA: Mm-hmm. And I
18 believe that area is pretty level, so they'd be the
19 same height.

20 MR. NORRIS: Yeah, there's no steep
21 slope issues on this one.

22 So another thing too is that the
23 T-Mobile pad isn't as big as the one that we're
24 proposing for Verizon. So Verizon's pad, you know,
25 you have the cabinets, and then you have pad space

1 around it; T-Mobile's wasn't like that. So
2 T-Mobile's was only designed -- like, I think it's
3 a 4-foot-wide-by, like, 18-foot-long pad, with
4 equipment cabinets on it. So, basically, the pad
5 is barely bigger than the cabinets, and once you
6 open the doors and stuff, people are standing on
7 gravel. It's not as big of a pad, either.

8 In other words, if they had a bigger
9 pad, similar to Verizon, it would be easier to abut
10 them, but in this case, to get your pad closer to
11 T-Mobile's, now you're basically asking Verizon to
12 provide a concrete pad for the technicians for
13 T-Mobile. It's kind of like a wasted space in the
14 middle there anyway. I don't know if that makes
15 sense.

16 CHAIRMAN VIVONA: You wouldn't want to
17 do that, just to be nice and have it look pretty?

18 MR. SOLOWAY: One of the very odd
19 things about these applications is that fierce
20 competitors are sometimes required to cooperate
21 with each other, but I think you can only do that
22 in appropriate circumstances, you don't want to put
23 the one at the mercy of the other.

24 CHAIRMAN VIVONA: Well, I think
25 there's been a decent amount of cooperation here,

1 especially for Verizon to not go on the -- is that
2 the gazebo one, the one that's on --

3 MR. NORRIS: Yeah.

4 CHAIRMAN VIVONA: Yeah, because that
5 had a lot of opposition, and I think this one does
6 work out a lot better.

7 And I think the aesthetic plan that we
8 came up with for all of the applications has helped
9 a lot, because it does look a whole lot better than
10 most other things in other towns. But we still
11 like to tweak it whenever we can, just to make it
12 look better.

13 MR. NORRIS: No, I understand.

14 CHAIRMAN VIVONA: John, you have
15 anything else?

16 MR. RUSCHKE: No.

17 CHAIRMAN VIVONA: Bob?

18 MR. MICHAELS: No, they answered my
19 questions.

20 CHAIRMAN VIVONA: Anybody else have
21 any other questions for Mr. Norris?

22 Anybody in the public have any
23 questions here for Mr. Norris's testimony?

24 COMMISSIONER FITT: You had mentioned
25 the crane.

1 MR. NORRIS: Yes.

2 COMMISSIONER FITT: How long is that
3 crane in place?

4 MR. NORRIS: Usually the outages they
5 get, or time frame for construction, is only a few
6 days. They try and do it very -- you know, within,
7 like, two or three days, they get out there, they
8 do the work, and they're done, they move on. So
9 it's only two or three days, something like that.

10 COMMISSIONER FITT: The reason I'm
11 asking is that area is traveled by a lot of kids
12 coming out of the school right down the street --

13 MR. NORRIS: Yes.

14 COMMISSIONER FITT: -- and so I'm --
15 if it's during school, or, frankly, even if it's in
16 the summer, there's a truckload of kids around.

17 MR. NORRIS: Got you.

18 COMMISSIONER FITT: So my concern or
19 question is how long is it going to be there and
20 potentially be a risk, and what kind of safety do
21 you put around the construction site to keep the
22 kids out? It's also right next to, A, the tennis
23 courts and the pool. So there's just a lot of
24 people around that area.

25 MR. NORRIS: Yeah, PSE&G takes

1 priority in their safety, so hopefully -- I mean, I
2 don't anticipate there being an issues. I'm sure,
3 when they have a crane, everybody's out there in
4 their hardhats and everything else; I'm assuming
5 they're taking all the, you know, proper measures.

6 CHAIRMAN VIVONA: Do they put up a
7 temporary fence?

8 MR. NORRIS: That I don't know about.

9 COMMISSIONER FITT: I'm a little less
10 concerned about them in their hardhats than I am
11 about the kids.

12 MR. NORRIS: No, but I'm saying, you
13 know, if there's all these people --

14 MR. SOLOWAY: Did they make you guys
15 wear hardhats during the site visits?

16 MR. NORRIS: If there's all these
17 people with PPE, it would kind of be like a, hey,
18 stay away from here. But I hear what you're
19 saying. I don't know exactly what the policy is
20 with their -- you know, when they do the work.

21 CHAIRMAN VIVONA: If this were to get
22 passed, you say that you'd only take a few days for
23 the crane work to be done, when could it be done?

24 MR. NORRIS: So --

25 CHAIRMAN VIVONA: Like, before the

1 pool opens, when there's less traffic?

2 MR. NORRIS: So it would be -- in the
3 middle of the summer, when it's more than 80
4 degrees, they won't be able to do it.

5 MR. SOLOWAY: Do they have to turn the
6 power off to do this?

7 MR. NORRIS: So I think they do have
8 to shut down the power at this pole, so there's a
9 whole process --

10 MR. SOLOWAY: I think, generally,
11 Mr. Chairman -- and I'm not testifying -- I think
12 there's usually about two windows during the
13 calendar year --

14 MR. SHAW: We're familiar with it,
15 there's a spring and an --

16 MR. SOLOWAY: -- when they do that,
17 one kind of in the spring, one in the fall.

18 MR. NORRIS: Yeah.

19 CHAIRMAN VIVONA: I'm just asking to
20 see what the timeline would be, because if it's
21 done, like, before the pool opens, which is --

22 MR. SHAW: They won't have a
23 resolution. They'll have a resolution next month,
24 but it won't be that quick.

25 MR. SOLOWAY: When's the pool open,

1 Memorial Day?

2 COMMISSIONER FITT: Yeah.

3 MR. SOLOWAY: I don't think so.

4 MR. NORRIS: So when approved through
5 zoning, we would then continue with construction
6 drawings; that has to make it way through your
7 review process. And then, of course, you'd need to
8 get a building permit. So PSE&G will not get --
9 request the outage until they have the permits all
10 in hand, and the material all in hand too, and then
11 the outage can be anywhere from two weeks out to,
12 you know, three, four months out, unless they're
13 piggybacking another outage.

14 MR. SOLOWAY: I think you're looking
15 at the fall.

16 MR. SHAW: In terms of an outage,
17 though, when Colony Pool is open, Colony Pool is
18 open in the summer, they do not do after the
19 beginning of June, when the temperatures are up,
20 until the end of August and September, they're just
21 not doing anything.

22 MR. NORRIS: That's right.

23 MR. SHAW: So the likelihood of it
24 occurring while Colony Pool is open is pretty
25 remote.

1 MR. NORRIS: It's more likely it will
2 happen when school's in session, but not when the
3 pool's in session.

4 CHAIRMAN VIVONA: All right. Well,
5 just to address Mr. Fitt's statement, we can just
6 make a condition that there'll be a temporary
7 construction fence around the thing while it's
8 being built --

9 MR. NORRIS: Create an area -- okay.

10 CHAIRMAN VIVONA: Yeah, just because
11 you do get a lot of foot traffic through there.

12 MR. NORRIS: Okay.

13 CHAIRMAN VIVONA: So that's fine.

14 MR. NORRIS: I think that's
15 reasonable.

16 MR. SHAW: Just make note at this
17 point that we do have a letter from Mr. Dotti,
18 indicating that, because there is no air
19 conditioning and no buildings, there is no sound
20 issues created by this application.

21 MR. NORRIS: Okay.

22 CHAIRMAN VIVONA: And the equipment is
23 similar to T-Mobile's?

24 MR. NORRIS: Yeah, and T-Mobile's
25 equipment is pretty -- pretty quiet.

1 CHAIRMAN VIVONA: Okay. I don't have
2 anything else for Mr. Norris. Anybody?

3 Okay. Thank you.

4 MR. SOLOWAY: Mr. Dugan.

5 MR. DUGAN: Hi, Paul Dugan, D-U-G-A-N.

6 P A U L D U G A N, having been duly
7 sworn, testified as follows:

8 CHAIRMAN VIVONA: And you're
9 Mr. Dugan. And your qualifications, please?

10 MR. DUGAN: I have a bachelor of
11 science in electrical engineering and master of
12 electrical engineering from Widener University.
13 I'm a registered professional engineer in the state
14 of New Jersey, as well as 10 total jurisdictions,
15 and I have 34 years of experience in design,
16 performance, operation, and maintenance of wireless
17 telecommunications systems.

18 BY MR. SOLOWAY:

19 Q. Have you been qualified as an expert
20 before any boards in the state of New Jersey?

21 A. Yes, I have.

22 CHAIRMAN VIVONA: Okay.

23 BY MR. SOLOWAY:

24 Q. How many -- well, we're good.

25 Mr. Dugan, were you retained by

1 Verizon Wireless to undertake an analysis of
2 whether the levels of radiofrequency emissions that
3 would occur when this site is operational would
4 conform with applicable FCC and New Jersey
5 standards?

6 A. Yes.

7 Q. Did you, in fact, undertake that
8 analysis?

9 A. Yes.

10 Q. And is your analysis, and any
11 conclusions you may have reached, contained in a
12 report that you prepared?

13 A. Correct, it is.

14 Q. And do you have that report with you?

15 A. I have a copy here, yes.

16 Q. All right.

17 MR. SOLOWAY: All right. I don't know
18 what your practice is. I submitted it with the
19 application; I don't know if you want to mark it.

20 MR. SHAW: I think, generally, if
21 there's any summary, testimony as to what the
22 conclusions are.

23 MR. DUGAN: Sure.

24 BY MR. SOLOWAY:

25 Q. Just reference the date of your

1 report, and summarize your conclusions.

2 A. Sure. The report is dated February
3 15, 2018. I performed an evaluation of the
4 proposed facility, subject of this application, to
5 provide a determination and certification that the
6 proposed facility will comply with the FCC exposure
7 limits and guidelines that are put in place for the
8 health, safety, and welfare of the public.

9 The report defines all of the
10 specifics of the antenna configuration and
11 operating parameters of Verizon Wireless. It also
12 certifies that the combined exposure on the ground,
13 and on any property surrounding the existing
14 structure, the upper limit exposure levels will not
15 even approach 1 percent of the allowable exposure
16 levels.

17 CHAIRMAN VIVONA: That's combined,
18 both stations?

19 MR. DUGAN: Combined. So you're not
20 even going to approach 1 percent combined of the
21 allowable. So you'll be well below 1 percent.

22 MR. SOLOWAY: No further questions.

23 CHAIRMAN VIVONA: That was the only
24 question I had, was the combined power and
25 exposure, so you answered that. I know we've heard

1 this testimony many times, so we are aware of it.

2 I don't have any other questions.

3 MR. SHAW: Just needs to be in the
4 record.

5 MR. SOLOWAY: Well, boards -- I've
6 been doing this a long time, and boards now are
7 very comfortable with this, but members of the
8 public, not always. That's why we're doing this.

9 CHAIRMAN VIVONA: So does anybody else
10 have any questions for Mr. Dugan? John, anything?
11 Rob?

12 Anybody in the public have any
13 questions about Mr. Dugan's testimony?

14 None heard. Okay. Thank you.

15 MR. SOLOWAY: Mr. Masters.

16 W I L L I A M M A S T E R S, having
17 been duly sworn, testified as follows:

18 CHAIRMAN VIVONA: Okay. State your
19 name and qualifications for the record, please.

20 MR. MASTERS: William F. Masters Jr.,
21 M-A-S-T-E-R-S. Licensed professional planner in
22 the state of New Jersey, continuously licensed for
23 the past 37 years.

24 I was the planning director for the
25 Township of Parsippany-Troy Hills for 13 years.

1 For the past 24 years, I've been
2 involved in my own private practice, focusing on
3 wireless telecommunications applications. I've
4 previously testified before numerous planning
5 boards, zoning boards of adjustment, and land use
6 boards throughout the state of New Jersey as an
7 expert in the field of land use planning, including
8 this board.

9 CHAIRMAN VIVONA: Okay. Thank you.

10 BY MR. SOLOWAY:

11 Q. Mr. Masters, Mr. Michaels, in his
12 report, essentially asked if we could address the
13 three ordinance deviations. Were you able to do
14 that?

15 A. I can.

16 First one is a 1-foot variation in the
17 fence height, Section 30-96.15c1(A), specifies that
18 the fence height shall not exceed 6 feet in height.
19 The application proposed a 7-foot fence around the
20 equipment compound area. The applicant has no
21 problem complying with a 6-foot maximum height
22 requirement, if required. The purpose of seeking
23 the 1-foot height variance was to have the proposed
24 fenced area of the enlarged equipment compound area
25 be consistent with the appearance of the existing

1 fence by T-Mobile. That's the applicant's sole
2 basis for its request for that variance relief.

3 The second variation is with regard to
4 maximum permitted antenna height, Section 30-99.9j
5 of your wireless ordinance specifies that the
6 antenna height not exceed 5 feet. With the
7 proposed antenna height of 72.9 inches, or 6.1
8 (sic) feet, we're seeking a 1.1-foot variation from
9 the maximum antenna height requirement. Again,
10 that's a radiofrequency-based request, owing to the
11 needs of Verizon Wireless, as far as satisfying its
12 coverage objective for this particular area of
13 Chatham Township.

14 And the last variance is from Section
15 30-75.2 of your ordinance, which is the bulk
16 requirements with regard to the maximum permitted
17 impervious coverage area. Your ordinance states
18 that, in this particular zone, the R-3 Residence
19 District, you're allowed, on an 80,000-square-foot
20 lot, to have 15,000 square feet of impervious
21 coverage, and then, for lots larger than 80,000
22 square feet, for each amount of additional square
23 footage above the 80,000 square feet, you are
24 allowed 7 and a half percent of coverage for that
25 portion of the lot size.

1 Here, we have a 203,541-square-foot
2 lot, and so, if we take 7 and a half percent of
3 123,541 square feet -- which is the difference
4 between the total lot size less 80,000 square
5 feet -- that translates into 9,266 square feet,
6 plus 15,000 square feet of coverage for the 80,000
7 square feet, for a total permitted impervious
8 coverage area of 24,266 square feet. That
9 translates into 11.92 percent of lot coverage on
10 this particular lot.

11 The existing impervious coverage on
12 this lot is 43,700 square feet, or 21.47 percent of
13 the lot. So the additional -- I should say the
14 existing impervious coverage is 19,434 square feet
15 above the maximum permitted impervious coverage.

16 Now, with the suggestion of the board
17 chairman, in reducing the size of the equipment
18 compound area for Verizon Wireless from 14 feet by
19 31 feet to 10 feet by 31 feet, we would be
20 increasing that coverage by a total of 310 square
21 feet, for a total of 44,010 square feet, that's
22 44,010 total square feet, which translates into an
23 overall lot coverage of 21.62 percent, which is a
24 0.15 percent increase in the existing impervious
25 lot coverage. So that's 15/100ths of 1 percent

1 increase in the overall impervious coverage as a
2 result of the additional equipment compound area.

3 I would suggest to the board that
4 that's a de minimis increase in the existing
5 impervious coverage; a virtually unrecognizable
6 increase in the existing impervious coverage.
7 Clearly, the existing coverage on that lot as a
8 result of the parking area contributes to the
9 nonconformity, and I would suggest to the board
10 that the additional impervious coverage being
11 proposed here of 310 square feet can be granted
12 without a substantial detriment to the public good,
13 and without substantial impairment to your
14 comprehensive zone plan, as can the variances with
15 regard to antenna height and fence height.

16 Q. Mr. Masters, you put it on the easel,
17 we might as well --

18 A. I have -- I prepared photo
19 simulations, which I believe the board has already
20 received copies of. I think the photo simulations
21 speak for themselves. The photographs were taken
22 by myself; they were taken on February the 15th of
23 this year. The photo simulations on the exhibit
24 board are identified as A images, 1A, 2A, 3A, 4A.

25 And, again, I would suggest to the

1 board that the visual impact here of the proposed
2 collocation does not rise to the level of
3 substantial detriment to the public good or
4 substantial impairment to the comprehensive zone
5 plan. I believe that the application promotes the
6 overall objectives of not only the wireless
7 telecommunications industry, but the land use
8 planning community as well, in terms of encouraging
9 collocation on existing tall structures, as opposed
10 to building new freestanding support structures,
11 such as a new monopole or a new lattice tower.

12 MR. SOLOWAY: Mr. Shaw, do we need to
13 mark that?

14 MR. SHAW: Are those all the
15 existing --

16 MR. MASTERS: They're the same --

17 MR. SOLOWAY: Slightly larger size.

18 MR. SHAW: Just for the sake of it,
19 why don't we mark it down as --

20 MR. SOLOWAY: A-1 with today's date?

21 MR. SHAW: Believe it or not, we're up
22 to A-8. Everything that comes in with --

23 MR. SOLOWAY: Okay. I don't know what
24 A-1 through A-7 are.

25 MR. SHAW: A-1 was your application.

1 MR. SOLOWAY: Okay. There it is.

2 MR. SHAW: Photo board.

3 MR. SOLOWAY: Thank you.

4 (Whereupon, Exhibit A-8 is marked for
5 identification.)

6 MR. SOLOWAY: I really don't have
7 anything else, Mr. Chairman, other than if you want
8 me to address the FCC order criteria --

9 CHAIRMAN VIVONA: No, we've heard
10 that.

11 COMMISSIONER STYPLE: Heard it.

12 CHAIRMAN VIVONA: I just don't like
13 hearing the part about we have to do anything.

14 MR. SOLOWAY: That's my problem.

15 CHAIRMAN VIVONA: So the fence height
16 is something that we came up with, so that's not an
17 issue.

18 Shrinking the compound is a bonus.

19 The antenna height, we all know that
20 the new technology is a 6-foot, and we're thinking
21 about changing our town code a little bit to
22 accommodate that, but that would mean that's one
23 less reason why you guys would have to come in and
24 see us, so we're going to keep it at 5 feet.

25 The only thing I can say with the

1 photo simulations is the one location you don't
2 really notice; two locations looks like a condor
3 nest up there, it's a lot more noticeable. But
4 it's also on town property, it's not by the gazebo,
5 you guys were willing to find a different location.
6 I assume it meets all your criteria for the
7 coverage?

8 MR. SOLOWAY: We wouldn't have filed
9 it if it wasn't sufficient.

10 CHAIRMAN VIVONA: Okay.

11 COMMISSIONER BORSINGER: I have a
12 question on that, though. I mean, it's probably, I
13 don't know, maybe half a mile from the gazebo
14 location. Do you anticipate having to come back in
15 and locate another tower, you know, up on Fairmount
16 somewhere.

17 MR. SOLOWAY: I don't know what the
18 plans are for the rest of the township, and even if
19 I thought I had an idea, I probably wouldn't
20 venture it, because -- especially for those of you
21 who have been doing this for a number of years --
22 you keep needing more and more as time goes on,
23 because it's no longer just about phone calls; the
24 technology is used by everybody for a lot of
25 things, and there seems to be an ever-growing need.

1 The only thing I can tell you is, on
2 approval of this, the other application gets
3 withdrawn, and I do not -- I can tell the board I
4 know that --

5 MR. SHAW: That means we can throw out
6 all those files?

7 MR. SOLOWAY: It was no fun for us
8 either, but we had to go through on that one. And
9 yes, once I withdraw that application, yes, you
10 may.

11 And I know that Verizon Wireless is
12 very anxious to get this up and going, because I
13 think their perception is that they do need to
14 boost service in the township. And I know we're --
15 we haven't seen it yet, you may see it, but I know
16 we're going to be upgrading the antennas on the
17 JCP&L site over on River Road, because they want to
18 improve coverage in the township. But that's an
19 existing site.

20 CHAIRMAN VIVONA: Oh, that's going to
21 be collocation on River?

22 MR. SOLOWAY: Verizon's already there.

23 MR. SHAW: Yeah, it's changing the
24 equipment at the Verizon site on River Road.

25 CHAIRMAN VIVONA: Okay. Bob, they

1 cover everything from your end?

2 MR. MICHAELS: Well, the only question
3 I had is that the application included a request
4 for an interpretation, and I guess the
5 interpretation was to whether or not the criteria
6 meets -- whether you meet the FCC criteria. Is
7 that what you're seeking?

8 MR. SOLOWAY: Correct.

9 MR. MICHAELS: I mean, it was my
10 opinion in the letter that we do need site plan
11 approval, because of the variances that are
12 requested. So I think that's what you're here for.

13 MR. SOLOWAY: It's an odd thing. If
14 we were here under the Municipal Land Use Law
15 collocation provision, I would disagree with you,
16 because it specifically says you don't have to get
17 site plan.

18 One of the oddities about the FCC
19 order is that, although it tells you -- and I know
20 you don't like to hear this -- that you have to
21 approve it, it does not dictate a process.

22 MR. SHAW: And, essentially, the way
23 we have treated that, as satisfying the general
24 purposes of the MLUL by promoting the general
25 welfare; to wit, promoting the requirements of the

1 FCC regulations, which require approval.

2 So, I mean, I -- in terms --

3 MR. SOLOWAY: At a certain level, if I
4 get approved, I don't care. I think the best way
5 to do this -- and I'm not writing the resolution if
6 you approve it -- is I would cover all bases, I
7 think it would be appropriate for the resolution to
8 conclude that we do meet the criteria of the FCC
9 order.

10 But I think it would also be
11 appropriate -- and, frankly, I think we've
12 demonstrated this as well -- that we, in any event,
13 did present a meritorious case for the variance
14 relief, and that we are entitled to site plan
15 approval.

16 MR. SHAW: And just for the record,
17 the last collocation application, we did make a
18 specific finding in the resolution of approval that
19 that particular application did it address the
20 variances, and did it also satisfy the FCC criteria
21 mandating approval.

22 MR. SOLOWAY: And I have seen that
23 resolution.

24 MR. SHAW: I provided a copy of that.

25 MR. SOLOWAY: I think that's for River

1 Road site, if I remember correctly.

2 MR. MICHAELS: I don't have anything
3 else other than that.

4 CHAIRMAN VIVONA: I do not know good?
5 Anything else?

6 Anybody from the public have any
7 questions for Mr. Masters? Would anyone like to
8 make any statements in the public?

9 Nope.

10 Well, at this point, we can bring it
11 up for a motion, then.

12 The only condition would be the
13 temporary construction fence. Correct?

14 MR. SHAW: Temporary construction
15 fence and modifying the plans to --

16 MR. SOLOWAY: Yeah, if we have a
17 problem on that with PSE&G, we'll have to come
18 back.

19 MR. SHAW: If there's a problem --

20 MR. SOLOWAY: We'll let you know.

21 MR. MASTERS: Reduce the size of the
22 compound.

23 MR. SOLOWAY: He thinks he can do it,
24 but they've got to approve it.

25 MR. SHAW: If you switch anything --

1 CHAIRMAN VIVONA: The modification,
2 you're right, but I'm talking about while the
3 crane's there --

4 MR. SOLOWAY: No, that --

5 CHAIRMAN VIVONA: -- that's the
6 temporary construction fence.

7 MR. SOLOWAY: That's fine.

8 CHAIRMAN VIVONA: Okay. Can we have
9 someone bring a motion?

10 COMMISSIONER WILLIAMS: I move that we
11 approve the variances as requested.

12 CHAIRMAN VIVONA: Can I have a second,
13 please?

14 COMMISSIONER FITT: Second.

15 CHAIRMAN VIVONA: Roll call.

16 MS. SMITH: I'm sorry, who was the
17 second?

18 COMMISSIONER FITT: I'm sorry, me,
19 David.

20 MS. SMITH: Mr. Vivona?

21 CHAIRMAN VIVONA: Yes.

22 MS. SMITH: Mr. Weston?

23 COMMISSIONER WESTON: Yes.

24 MS. SMITH: Mr. Williams?

25 COMMISSIONER WILLIAMS: Yes.

1 MS. SMITH: Mr. Styple?

2 COMMISSIONER STYPLE: Yes.

3 MS. SMITH: Mr. Borsinger?

4 COMMISSIONER BORSINGER: Yes.

5 MS. SMITH: Mr. Hyland?

6 COMMISSIONER HYLAND: Yes.

7 MS. SMITH: Mr. Newman?

8 COMMISSIONER NEWMAN: Yes.

9 MR. SHAW: I will get a draft
10 resolution for you to take a look at, we'll adopt
11 it on May 17th.

12 MR. SOLOWAY: Great. Thank you very
13 much.

14 (Whereupon, the hearing concluded at
15 9:10 p.m.)

16

17

18

19

20

21

22

23

24

25

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

C E R T I F I C A T E

I, Michael Lombardozzi, a Notary Public and Certified Court Reporter of the State of New Jersey, do hereby certify that the foregoing is a true and accurate transcript of the testimony as taken stenographically by and before me at the time, place, and on the date hereinbefore set forth.

I do further certify that I am neither a relative nor employee nor attorney nor counsel of any of the parties to this action, and that I am neither a relative nor employee of such attorney or counsel and that I am not financially interested in this action.

Michael Lombardozzi,
Certified Court Reporter, State of New Jersey
CERT #: 30X100239700
Date: 2018-05-29

1

2

A	antenna 10:11 16:3 24:11 38:10 41:4,6,7 41:9 43:15 45:19	approach 38:15 38:20	Avenue 7:21 9:25	9:21 27:17 40:8 42:16
able 27:6 28:11 33:4 40:13	antennas 4:5 5:3 5:6,16,17 7:20 7:22 8:3 11:23 12:4,8 16:5,7 16:20 17:15,19 24:6,20 47:16	appropriate 29:22 49:7,11	aware 4:3 16:5 39:1	43:3,9,19,24 44:1 45:2 47:3
abut 29:9	Anthony 7:15	approval 4:1 5:2 6:9 14:16 16:6 17:10 20:18 22:19 26:5 47:2 48:11 49:1,15,18,21	A-L-E-C 9:9	boards 36:20 39:5,6 40:5,5,6
access 14:5,7 18:24	anticipate 13:13 13:19 15:24 32:2 46:14	approve 3:13 48:21 49:6 50:24 51:11	A-1 44:20,24,25 A-7 44:24 A-8 2:9 44:22 45:4	Bob 30:17 47:25
accommodate 8:8 45:22	anticipating 6:14	approvals 17:6	B	bonus 45:18
accurate 14:8 53:9	anxious 47:12	approved 3:24 6:2 10:2,5,20 13:14 14:12 17:20,22,24 20:20 34:4 49:4	B 2:7	boost 47:14
action 53:15,18	anybody 30:20 30:22 36:2 39:9,12 50:6	April 1:7 7:14 13:7 15:12	bachelor 36:10	Borsinger 1:14 7:16 22:7,14 23:4,13 25:17 25:22 26:12,20 46:11 52:3,4
actual 27:6	anymore 24:15 25:9	area 8:9,14,15 11:8 13:17,24 18:15 28:18 31:11,24 35:9 40:20,24,24 41:12,17 42:8 42:18 43:2,8	back 13:24 26:4 46:14 50:18	bottom 11:25 12:5
addition 8:10	anyway 20:4 25:1 26:1 27:20 29:14	arms 12:1	backs 22:24	Boulevard 4:7 4:19
additional 41:22 42:13 43:2,10	apart 20:1	asked 4:11 26:13 40:12	barely 29:5	box 18:22
address 13:2 35:5 40:12 45:8 49:19	appearance 40:25	asking 5:11 29:11 31:11 33:19	base 6:11	boxes 18:9
Addressing 16:15	applicable 37:4	asks 15:14	based 16:12	bridge 11:8 22:3 22:9,16,17,24 23:9,9 25:11 25:13,14 27:3
adequate 14:19	applicant 1:22 7:18,23 11:23 15:4 16:9 40:20	assuming 6:4 23:3,6 32:4	bases 49:6	briefly 6:12
adjacent 10:8,9 10:19 12:15	application 3:10 3:11,17,21 4:5 4:14,23 5:12 6:2,25 7:10 12:12 13:14 14:11 16:16 17:7 24:3 35:20 37:19 38:4 40:19 44:5,25 47:2,9 48:3 49:17,19	attached 16:1	basically 10:16 12:21 13:14 14:5 19:5 21:19 22:20,21 22:24 27:13 29:4,11	bring 50:10 51:9
adjustment 40:5	applicant's 41:1	Attendees 7:15	basis 41:2	brown 10:22
adopt 52:10	application 3:10 3:11,17,21 4:5 4:14,23 5:12 6:2,25 7:10 12:12 13:14 14:11 16:16 17:7 24:3 35:20 37:19 38:4 40:19 44:5,25 47:2,9 48:3 49:17,19	attorney 53:14 53:16	beginning 34:19	build 21:21
aesthetic 30:7	applications 3:14 29:19 30:8 40:3	Attorneys 1:20 1:22	believe 4:7 12:11 18:5 28:18 43:19 44:5,21	building 14:10 14:17 34:8 44:10
affect 13:22		August 34:20	best 49:4	buildings 35:19
agenda 4:4			better 30:6,9,12	built 22:19 23:6 27:1 35:8
AGL 12:6			beyond 27:20	built-in 26:24
ago 10:1			big 18:19,22 25:15,15 26:19 28:10,23 29:7	bulk 41:15
agree 14:15			bigger 17:17 18:6 29:5,8	bumping 19:5
air 20:8 35:18			bit 20:25 21:1 28:7 45:21	busy 22:11
Alec 2:4 9:9			Block 1:5 4:16 7:11	
Aligned 23:13			blow-up 10:14	
allow 25:5,8			BOA 1:3 3:2 7:12	
allowable 38:15 38:21			board 1:1,10,16 1:17,17,20 3:16,22 5:3	
allowed 8:2,4,6 41:19,24				
alternative 3:25 5:11				
amount 29:25 41:22				
analysis 14:14 14:18 37:1,8 37:10				
angle 23:11				
answered 30:18 38:25				

27:3	29:24 30:4,14	50:17	17:16 18:2	2:2
cables 5:8 11:7	30:17,20 32:6	comes 44:22	19:10,11 21:13	context 6:25
11:15 12:10	32:21,25 33:11	comfortable	24:4 27:7,12	contiguous
16:1 23:16	33:19 35:4,10	39:7	27:18 40:20,24	10:25
25:14,15,18	35:13,22 36:1	coming 23:22	42:18 43:2	continue 34:5
cable's 23:15	36:8,22 38:17	24:1 31:12	45:18 50:22	continuously
calendar 3:2	38:23 39:9,18	Commencing	comprehensive	39:22
33:13	40:9 42:17	1:9	43:14 44:4	contributes 43:8
call 6:10 51:15	45:7,9,12,15	Comment 13:10	comprising 7:19	convoluted
calls 46:23	46:10 47:20,25	comments 13:2	concealment	20:17
care 49:4	50:4 51:1,5,8	13:8	17:5	cooperate 29:20
carrier 25:6	51:12,15,21	COMMISSIO...	concern 31:18	cooperation
carriers 22:9	Chait 1:21 3:6	7:9 21:5,8 22:7	concerned 6:21	29:25
23:22 25:8	change 20:20	22:14 23:4,13	32:10	copies 43:20
27:2	changing 45:21	25:17,22,25	conclude 49:8	copy 15:12
case 26:21 29:10	47:23	26:12,20 30:24	concluded 52:14	37:15 49:24
49:13	Chatham 1:1,9	31:2,10,14,18	conclusions	corner 9:24
cell 7:22	41:13	32:9 34:2	37:11,22 38:1	correct 18:3,10
cellar 21:21	check 28:6	45:11 46:11	concrete 8:7	19:6 23:16
cement 19:8	circumstances	51:10,14,18,23	11:3,4 18:6,7	24:24 37:13
21:17	29:22	51:25 52:2,4,6	19:9,17,19,24	48:8 50:13
centerline 5:4,6	clear 27:5	52:8	20:24 29:12	correctly 50:1
11:20 14:7	Clearly 43:7	common 24:13	condition 12:21	correspondingly
CERT 53:22	close 8:13 19:24	communicatio...	12:25 14:15	27:10
certain 49:3	20:7 28:16	3:9	35:6 50:12	counsel 53:14,17
certainly 7:7	closely 16:2	community 44:8	conditional 5:15	couple 15:14
20:23 24:3	closer 29:10	companies	conditioned	course 34:7
certification	coaxial 11:7,14	18:23 26:16	16:6	Court 53:7,21
38:5	12:9 23:16	competitors	conditioning	courts 8:15
Certified 1:23	code 45:21	29:20	35:19	31:23
1:25 53:7,21	Collins 1:21 3:6	completed 14:18	conditions 17:9	cover 5:19 48:1
certifies 38:12	collocate 3:14	completeness	condor 46:2	49:6
certify 53:8,13	7:19 22:9	13:6	conductors 12:5	coverage 7:25
chairman 1:11	collocation 3:4	compliance 5:22	conduit 8:11	12:23 41:12,17
1:12 3:2,18	3:10 7:10 44:2	complicate	configuration	41:21,24 42:6
8:18,22,24 9:7	44:9 47:21	25:23	38:10	42:8,9,11,14
9:17 13:5,21	48:15 49:17	complicated	confirm 12:18	42:15,20,23,25
14:3 15:12	Colony 8:16	4:22	16:10	43:1,5,6,7,10
17:13,14 18:1	34:17,17,24	comply 5:12	conform 37:4	46:7 47:18
18:4,8,11,16	color 10:22	6:22 38:6	consistent 40:25	co-ax 16:6 23:2
18:23 19:2,7	15:22 16:2,4	complying 40:21	construct 8:7	co-service 11:6
19:12,15,18	combination	composite 10:21	construction	crane 13:11,13
20:2,13 21:16	13:6	11:14	31:5,21 34:5	13:19 30:25
21:20 23:8,15	combine 18:18	compound 5:9	35:7 50:13,14	31:3 32:3,23
23:19 24:5,14	combined 21:9	10:5,17,18,25	51:6	crane's 51:3
24:19,22 25:10	38:12,17,19,20	11:2,7,8,13	Consulting 7:17	create 20:21
25:21,24 26:14	38:24	12:16 13:16,16	9:10	35:9
27:22,24 28:4	come 26:21	13:18 14:7	contained 37:11	created 35:20
28:9,17 29:16	45:23 46:14	15:6,8 16:11	CONTENTS	credentials 9:12

criteria 3:15,23 4:21 6:8 17:13 45:8 46:6 48:5 48:6 49:8,20	dictate 48:21	either 29:7 47:8	12:20,24	familiar 6:13 9:24 33:14
crux 12:11	difference 42:3	electric 11:5	exact 5:20 22:3	familiarity 3:16
current 17:2	different 4:14 21:3 23:25 26:1 27:4 46:5	electrical 8:11 15:5 36:11,12	24:18	far 41:11
currently 19:3	difficult 22:23	elements 17:5	exactly 10:23 14:7 15:7,23 15:24 18:17 22:2 24:8 32:19	FCC 3:12 4:21 6:19 16:16 17:12 37:4 38:6 45:8 48:6 48:18 49:1,8 49:20
D	digging 21:21	elevation 5:7 10:11 11:11,20	EXAMINATI... 9:18	feasible 28:14
D 36:6	dimensions 5:20	emissions 6:17 6:23 37:2	excavating 21:17	February 9:22 10:14 38:2 43:22
date 7:14 37:25 44:20 53:11,22	DIRECT 9:18	employee 53:14 53:16	excavation 17:1	federal 6:8,11
dated 9:22 10:14 13:7 38:2	directive 16:12	enclose 15:21	exceed 40:18 41:6	feet 5:1,4,7,7,17 6:1,6 8:1,1,2,5 8:6,8,10 10:6 16:21 19:22 20:1 21:21 24:9 25:3 27:14,15 28:12 28:12 40:18 41:6,8,20,22 41:23 42:3,5,5 42:6,7,8,12,14 42:18,19,19,19 42:21,21,22 43:11 45:24
David 1:15,21 3:6 51:19	directly 10:8,9 10:18	enclosure 16:11	existing 4:6 5:21 8:2,12 10:16 12:21,24 13:16 15:5,22 16:17 19:21 21:12 22:16 25:20 38:13 40:25 42:11,14,24 43:4,6,7 44:9 44:15 47:19	fence 5:25,25 6:1,4 8:5 10:21 10:24 11:1,14 18:21 19:1,10 19:21,21,22,23 20:3,25 22:2 27:14,19,20 28:13 32:7 35:7 40:17,18 40:19 41:1 43:15 45:15 50:13,15 51:6
Day 34:1	director 39:24	encouraging 44:8	expanded 5:8 8:10	fenced 10:17,25 40:24
days 31:6,7,9 32:22	disagree 48:15	engineer 1:17 6:15 36:13	experience 36:15	fenced-in 8:9
de 43:4	discuss 3:12 6:25	engineering 36:11,12	expert 6:18 36:19 40:7	fencing 10:20 15:20,23,25 18:16 27:11
dealing 15:16	District 41:19	enlarged 40:24	explain 4:2 6:16	field 40:7
decent 29:25	documents 15:2	entire 21:13	exposure 38:6 38:12,14,15,25	fierce 29:19
defeated 17:7	doing 6:16 10:8 15:7,23 20:4 21:4 26:9,10 34:21 39:6,8 46:21	entitled 6:9 49:14	extended 5:8 8:10	
defined 6:11	doors 29:6	equipment 3:10 4:6 5:9 8:9 11:5 15:21 22:25 27:7 29:4 35:22,25 40:20,24 42:17 43:2 47:24	extension 23:1	
defines 38:9	Dotti 35:17	especially 30:1 46:20	F	
definitely 27:8 28:1	doubt 24:17	ESQUIRE 1:19 1:21	F 39:20 53:2	
degree 23:11	draft 52:9	essentially 10:7 12:3 40:12 48:22	facilities 3:14 5:16 7:22 8:12	
degrees 33:4	drawings 34:6	evaluation 38:3	facility 38:4,6	
demonstrated 49:12	Drive 9:11	evening 3:5 9:2	fact 37:7	
DENNIS 1:12	driveway 13:22	event 6:7 49:12	Fairmount 46:15	
deployment 17:2	due 11:24 26:7	everybody 4:16 46:24	fall 33:17 34:15	
DESCRIPTION 2:8	Dugan 2:5 36:4 36:5,5,9,10,25 37:23 38:19 39:10	everybody's 32:3		
design 11:9 14:11 21:2,2 26:8 27:4 36:15	Dugan's 39:13	everything's 24:1		
designed 26:16 29:2	duly 9:6 36:6 39:17	ever-growing 46:25		
detailed 3:11	D-U-G-A-N 36:5	exacerbating		
determination 3:22 38:5	E			
detriment 43:12 44:3	E 1:18,18 2:7 9:5 39:16 53:2 53:2			
deviations 40:13	earlier 5:10			
diameter 23:18	easel 43:16			
	easier 29:9			
	edge 16:21			

FILE 1:3	generally 6:20 33:10 37:20	32:14 45:23 46:5	45:5	35:20
filed 3:21,25 4:5 4:14 46:8	giant 20:5		identified 10:3 43:24	items 15:17
files 47:6	give 3:7	H	images 43:24	it'd 13:17 27:13
financially 53:17	given 28:5	H 1:19 2:7	impact 44:1	it'll 18:17,21
find 4:11 13:12 46:5	gives 10:24	habitable 12:14	impacts 20:10 20:11	J
finding 49:18	go 4:11 7:3 8:23 9:20 10:9 12:2 15:19 20:19 22:20,25 23:25 26:1,3,4 30:1 47:8	half 8:8 41:24 42:2 46:13	impairment 43:13 44:4	January 9:16
fine 23:23 35:13 51:7	goes 21:9 22:24 46:22	hand 34:10,10	impervious 5:19 7:25 12:19,23 41:17,20 42:7 42:11,14,15,24 43:1,5,6,10	JCP&L 47:17
First 5:14 40:16	going 5:22 10:8 10:18 16:16,20 17:15 18:18 19:13 20:21 22:22 23:4,20 25:13 26:2 28:5 31:19 38:20 45:24 47:12,16,20	handled 3:20	improve 47:18	Jeremy 7:17
FITT 1:15 30:24 31:2,10,14,18 32:9 34:2 51:14,18	good 6:20 9:2,17 13:25 26:20 36:24 43:12 44:3 50:4	happen 21:2 35:2	inch 5:18 12:9 28:6	Jersey 1:9 9:11 36:14,20 37:4 39:22 40:6 53:8,21
Fitt's 35:5	grade 10:5,10	hardhats 32:4 32:10,15	inches 8:4,4 21:18,18 23:17 41:7	John 1:17 7:8,15 30:14 39:10
flip 10:13	granted 6:3 24:11 43:11	health 38:8	included 48:3	join 23:12
focusing 40:2	grassed 13:17 14:1	hear 32:18 48:20	including 40:7	joined 19:8,10
follows 7:24 9:6 36:7 39:17	gravel 11:3 21:18 29:7	heard 38:25 39:14 45:9,11	increase 5:23 12:23 16:16 42:24 43:1,4,6	joint 24:3
foot 5:18 10:6 12:5,9 19:15 35:11	gray 16:4,6,7	hearing 45:13 52:14	industry 44:7	Jon 1:12 8:17
footage 41:23	great 22:1 52:12	height 4:25 5:17 8:3,5 11:1 12:9 16:17 22:3,12 22:15 23:5 24:11 25:4 28:19 40:17,18 40:18,21,23 41:4,6,7,9 43:15,15 45:15 45:19	informed 13:15	Jr 39:20
footprint 20:8 21:25 27:22	Greg 1:14 7:16 25:12	heights 6:1	initially 21:4	June 34:19
foregoing 53:8	ground 5:9 11:13 38:12	helped 30:8	insert 27:4	jurisdictions 36:14
foresee 18:13	grounding 20:10 20:14,15 21:6 21:9,12 28:7 28:11	hereinbefore 53:11	inspection 7:5	K
forgot 8:20	guess 15:16 22:13 23:1,21 48:4	hey 32:17	install 4:5 5:5	keep 31:21 45:24 46:22
Fort 27:3	guidelines 38:7	he'll 6:22	installation 10:2 13:20	kids 31:11,16,22 32:11
forth 3:15 53:12	guys 17:16	Hi 36:5	installed 8:12 10:22	kind 3:11,17 4:9 4:17 13:5 19:20 20:19 24:12 29:13 31:20 32:17 33:17
four 16:23 18:8 34:12		Hills 39:25	interested 53:17	know 4:10 10:25 12:22 16:5 20:21,24 21:1 21:22,22 22:2 22:12,18,23 23:10 24:7 25:23 26:7,8 26:21,21,25 27:11,15 28:9 28:24 29:14 31:6 32:5,8,13 32:19,20 34:12 37:17,19 38:25 44:23 45:19 46:13,15,17
frame 31:5		hopefully 4:16 32:1	interestingly 4:3	
frankly 31:15 49:11		houses 8:14	interpretation 3:22 48:4,5	
freestanding 44:10		Hyland 1:14 52:5,6	involved 40:2	
front 5:21 9:22		I	issuance 14:9	
fun 47:7		idea 6:20 13:25 46:19	issue 18:14 20:22 45:17	
further 38:22 53:13		ideally 23:22 28:15	issued 3:12 5:2 13:5	
G		identification	issues 28:21 32:2	
G 36:6				
gate 18:24 19:1				
gazebo 30:2 46:4 46:13				
general 48:23,24				

47:4,11,14,15 48:19 50:4,20	1:23 53:6,21 long 10:1 31:2 31:19 39:6 longer 46:23 look 6:5 21:22 21:24 22:4 25:12 28:8 29:17 30:9,12 52:10 looked 4:13 looking 34:14 looks 46:2 losing 27:15 lot 1:5 4:16 7:12 7:25 12:15,23 14:6 20:10 30:5,6,9,9 31:11,23 35:11 41:20,25 42:2 42:4,9,10,12 42:13,23,25 43:7 46:3,24 lots 12:21 41:21 low 12:6	8:3,5 40:21 41:4,9,16 42:15 McEwan 7:17 mean 19:25 20:3 20:23 22:15 23:1,21 24:23 32:1 45:22 46:12 48:9 49:2 means 47:5 measures 32:5 measuring 10:5 12:8 meet 3:15,23 6:8 48:6 49:8 meets 4:21 46:6 48:6 members 1:10 39:7 Memorial 34:1 mentioned 5:10 6:7 7:1 30:24 mercy 29:23 meritorious 49:13 mesh 20:14 Meyersville 1:8 Michael 1:14,23 53:6,21 Michaels 1:17 15:13 30:18 40:11 48:2,9 50:2 middle 18:21 29:14 33:3 Midlantic 9:11 mile 46:13 minimal 20:7 minimis 43:4 minimum 23:2 MLUL 48:24 Mm-hmm 28:17 model 24:8 models 24:18 modification 51:1 modify 14:8 modifying 50:15	moment 3:8 4:2 monopole 44:11 month 12:17 33:23 months 34:12 motion 50:11 51:9 mounted 17:21 move 31:8 51:10 Mt 9:11 Municipal 48:14 municipalities 3:13 M-A-S-T-E-R-S 39:21	Nope 50:9 Norris 2:4 9:1,2 9:9,10,15 13:3 13:23 15:15,17 16:14 17:18,24 18:3,5,10,13 18:20,25 19:4 19:9,14,17,19 20:9,15,23 21:7,11,19 22:6,10,18 23:6,17,21 24:7,12,16,21 25:2,7 26:15 26:18,23 27:8 27:13 28:1,8 28:14,20 30:3 30:13,21 31:1 31:4,13,17,25 32:8,12,16,24 33:2,7,18 34:4 34:22 35:1,9 35:12,14,21,24 36:2 Norris's 30:23 northwest 19:1 Notary 53:6 note 7:13 35:16 notice 46:2 noticeable 46:3 number 10:3 13:10 14:4,9 14:20,21,22 15:4,20 16:9 46:21 numbers 15:19 numerous 40:4 N-O-R-R-I-S 9:10
<hr/> L <hr/> L 9:5 36:6 39:16 39:16 Labadie 1:15 7:16 land 14:24,25 40:5,7 44:7 48:14 landscaping 16:10,12 larger 18:7 41:21 44:17 lattice 44:11 Laurel 9:11 law 6:8,9,11 48:14 left 7:13 10:15 letter 35:17 48:10 level 5:9 10:5,10 11:13 28:18 44:2 49:3 levels 37:2 38:14 38:16 licensed 39:21 39:22 lieu 14:25 likelihood 34:23 limit 38:14 limited 5:17 11:24 limits 6:1 38:7 line 10:4 little 3:18 18:6 20:25 21:1 22:17 28:7 32:9 45:21 load 14:19 locate 46:15 located 4:15 5:3 7:20 location 46:1,5 46:14 locations 25:1 46:2 Lombardozzi	<hr/> M <hr/> M 39:16,16 main 21:24 maintenance 36:16 mandating 49:21 MARGARET 1:16 mark 37:19 44:13,19 marked 45:4 Maser 7:17 9:10 master 36:11 Masters 2:6 39:15,20,20 40:11 43:16 44:16 50:7,21 match 15:22 16:2,4,8 21:25 matching 15:24 material 34:10 matter 1:2 6:9 maximum 7:25	<hr/> N <hr/> N 1:18 9:5 36:6 name 9:8 39:19 nature 12:7 nearby 15:9 nearly 19:16 need 5:19 23:8 34:7 44:12 46:25 47:13 48:10 needing 46:22 needs 39:3 41:11 neighborhood 12:7 neighboring 15:6 neither 53:13,16 nest 46:3 new 1:9 9:11 15:9 36:14,20 37:4 39:22 40:6 44:10,11 44:11 45:20 53:8,21 Newman 1:12 21:5,8 25:25 52:7,8 nice 25:11 29:17 nine 12:8,8 17:25 24:20 25:14 nonconformity 43:9	<hr/> O <hr/> O 9:5 objective 41:12 objectives 44:6 obviously 18:17 occur 37:3 occurring 34:24 odd 29:18 48:13 oddities 48:18	

Oh 25:21 28:1 47:20	owing 41:10	36:16	pool 8:16 31:23 33:1,21,25 34:17,17,24	48:24,25
okay 8:22 9:1 14:3 15:1,11 16:13 17:14,25 18:1,16 19:7 19:12 24:19 25:10 27:24 28:3,15 35:9 35:12,21 36:1 36:3,22 39:14 39:18 40:9 44:23 45:1 46:10 47:25 51:8	<hr/> P <hr/> P 1:18,18 36:6	performed 38:3	pool's 35:3	proper 32:5
once 12:17 26:1 29:5 47:9	pad 8:8 11:3,4 18:6,7 19:19 19:24 20:24 28:23,24,25 29:3,4,7,9,10 29:12	permit 14:10 34:8	portion 11:7 41:25	property 12:22 38:13 46:4
ones 24:6	pads 19:8,9,17 28:15	permits 34:9	possible 16:3 20:7	proposed 8:1,4,6 10:18 11:16,17 12:8,8 38:4,6 40:19,23 41:7 43:11 44:1
open 20:8 29:6 33:25 34:17,18 34:24	page 2:3,8 13:8 15:13	permitted 16:10 41:4,16 42:7 42:15	potable 12:13	proposing 4:24 5:5,8,25 10:9 10:23 12:2 15:8 16:11,23 17:25 18:20 28:24
opens 33:1,21	Paige 1:15 7:16	perspective 4:18 4:20 27:17	potentially 31:20	protrude 16:20
operated 7:23	painting 16:7	phone 7:22 46:23	power 7:20 8:13 33:6,8 38:24	provide 15:1 29:12 38:5
operating 38:11	palatable 4:19	photo 2:9 43:18 43:20,23 45:2 46:1	PPE 32:17	provided 8:21 14:11 49:24
operation 36:16	panel 8:3	photographs 43:21	practice 37:18 40:2	providing 14:13
operational 37:3	panels 16:3	piggybacking 34:13	PRECISION 1:25	provision 48:15
opinion 48:10	parallel 25:19	place 11:23 12:3 12:3 14:2 31:3 38:7 53:11	prefer 4:10 22:11	proximity 8:14
opposed 22:1 44:9	parameters 38:11	placed 11:17,19 13:11,13,19	prepared 37:12 43:18	PSE&G 4:6,15 7:11 10:2 11:12 13:12 20:19 23:2 25:5 26:5,23 31:25 34:8 50:17
opposite 23:20	park 12:14 14:5	plan 4:1 9:22 10:15 30:7 43:14 44:5 48:10,17 49:14	present 1:10 49:13	provision 48:15
opposition 30:5	parking 8:15 12:15,21 13:22 13:24 14:6 43:8	planner 1:17 6:24 39:21	pretty 6:5 12:11 26:19 28:5,18 29:17 34:24 35:25,25	PSE&G's 16:12
option 13:23 14:1	Parsippany-T... 39:25	planning 1:1 39:24 40:4,7 44:8	previously 4:4 8:21 40:4	public 30:22 38:8 39:8,12 43:12 44:3 50:6,8 53:7
order 3:12,15 4:21 6:19 17:12 23:3 45:8 48:19 49:9	part 45:13	plans 8:7 14:23 46:18 50:15	prior 14:9 17:6	pull 20:25 27:14
ordinance 5:15 6:1,19 40:13 41:5,15,17	particular 41:12 41:18 42:10 49:19	platform 11:16	priority 32:1	purpose 40:22
originate 11:6	parties 53:15	please 9:7 36:9 39:19 51:13	private 40:2	purposes 48:24
outrage 34:9,11 34:13,16	passed 32:22	plus 42:6	probably 19:22 19:25 24:17 26:17 46:12,19	pursuant 5:2
outages 31:4	Paul 2:5 36:5	point 35:17 50:10	problem 14:12 14:24 40:21 45:14 50:17,19	put 13:24 21:3 22:15 23:7 29:22 31:21 32:6 38:7 43:16
outside 11:15 17:2	Pavona 7:15	pole 10:3 11:9 11:12,15,20,23 12:4 14:18 15:10 16:2,4 25:8 26:1 33:8	Proceedings 1:5	putting 17:16
overall 42:23 43:1 44:6	people 6:21 26:8 26:21 29:6 31:24 32:13,17	poles 16:2	process 20:18 33:9 34:7 48:21	p.m 1:9 52:15
	percent 14:8 16:18 38:15,20 38:21 41:24 42:2,9,12,23 42:24,25	policy 25:7 32:19	professional 14:24 36:13 39:21	<hr/> Q <hr/>
	perception 47:13		project 6:15	qualifications
	perfect 23:24		promotes 44:5	
	performance		promoting	

36:9 39:19 qualified 36:19 qualify 6:10 question 7:2,4 22:8 26:13 31:19 38:24 46:12 48:2 questioned 11:22 questions 16:13 30:19,21,23 38:22 39:2,10 39:13 50:7 quick 9:4 33:24 quiet 35:25	reference 37:25 referencing 13:4 referring 13:7 regard 13:11 14:4 41:3,16 43:15 registered 36:13 regulations 49:1 related 4:1 relates 5:24 relative 53:14,16 relief 5:11 41:2 49:14 reluctant 20:20 remember 50:1 remote 34:25 remove 18:21 report 6:22 7:6 7:12,14 13:7 15:13,18 37:12 37:14 38:1,2,9 40:12 Reporter 1:23 53:7,21 REPORTERS 1:25 REPORTING 1:25 Representatives 4:9 request 34:9 41:2,10 48:3 requested 48:12 51:11 requesting 7:23 require 49:1 required 29:20 40:22 requirement 5:15 6:19 40:22 41:9 requirements 5:13 10:11 16:15 41:16 48:25 requires 3:13 23:2 Residence 41:18 resolution 33:23	33:23 49:5,7 49:18,23 52:10 respect 26:7 rest 46:18 result 43:2,8 retained 36:25 retrofit 22:20,22 Rev 9:22 review 13:2,6,8 34:7 revise 20:24 RICK 1:13 rid 22:17 rider 3:11 ridiculous 6:5 right 8:19 11:10 11:25 12:1,2 13:21 17:19 18:9 19:13,16 19:20 21:17 22:6 27:23 28:9 31:12,22 34:22 35:4 37:16,17 51:2 rip 21:13 rise 44:2 risk 31:20 River 47:17,21 47:24 49:25 Road 1:8 47:17 47:24 50:1 Rob 39:11 ROBERT 1:17 Roll 51:15 Roseland-Met... 10:4 route 14:5 run 25:18,19 Ruschke 1:17 13:1,5 15:3 30:16 R-3 41:18	sake 44:18 satisfy 49:20 satisfying 41:11 48:23 saying 23:10 32:12,19 says 48:16 Schneider 1:21 3:7 school 7:21 9:25 31:12,15 school's 35:2 science 36:11 sealed 14:10,13 14:23 15:2 sealing 15:1 second 10:7,11 41:3 51:12,14 51:17 Secondly 5:19 Secretary 1:16 Section 40:17 41:4,14 sectors 5:6 see 4:17 22:4 27:19 28:14 33:20 45:24 47:15 seeing 28:6 seeking 40:22 41:8 48:7 seeks 7:18 seen 22:8 26:13 26:18 47:15 49:22 sense 29:15 separate 5:12 15:2 21:8 September 34:20 service 1:25 15:8 15:9 47:14 session 35:2,3 set 3:8,15 9:22 10:14 53:11 sets 7:19 setup 27:4 sewer 12:13 Shaw 1:19 7:4,8	7:16 8:25 9:3 9:13 17:22 24:10,25 25:3 26:4 27:5,10 27:21 33:14,22 34:16,23 35:16 37:20 39:3 44:12,14,18,21 44:25 45:2 47:5,23 48:22 49:16,24 50:14 50:19,25 52:9 shed 26:25 sheet 9:21 10:7 10:12,13,15 11:11,11 14:22 15:1 Shorthand 1:23 1:25 showing 11:13 shows 10:16 shrink 20:24 21:25 24:3 shrinking 28:12 45:18 shut 33:8 sic 41:8 side 10:15 11:10 19:1,23 22:4 23:20 26:1,3 27:14 signed 14:10,13 14:23 signing 14:25 similar 11:9,21 29:9 35:23 simulations 2:9 43:19,20,23 46:1 singular 19:11 site 4:1,19,20,21 5:21 7:5,12 9:24 10:15 12:14,17 31:21 32:15 37:3 47:17,19,24 48:10,17 49:14 50:1 sites 11:22
<hr/> R <hr/> R 1:18 9:5,5 39:16 53:2 radiofrequency 6:17 37:2 radiofrequenc... 41:10 reached 4:9 13:12 37:11 read 6:13 7:5 ready 7:3 8:23 real 9:3 really 21:16 26:6 27:18 45:6 46:2 reason 11:1 26:10 31:10 45:23 reasonable 35:15 recall 11:19 17:20 received 15:12 43:20 record 7:5 9:8 12:19 39:4,19 49:16 rectangles 18:19 reduce 27:6 50:21 reduced 27:18 reducing 42:17 reduction 27:11	<hr/> S <hr/> S 1:18 2:7 9:5 39:16,16 safety 11:24 31:20 32:1 38:8			

site/property 17:3	specific 49:18	23:23 29:6	53:10	28:22 35:7
situated 19:20	specifically 4:25	Styple 1:13	takes 31:25	45:25 47:1
six 17:19,21	13:7 48:16	45:11 52:1,2	talking 22:15	48:13
size 27:6,17	specifics 38:10	subject 38:4	27:18 51:2	things 12:7
41:25 42:4,17	specifies 40:17	submitted 3:10	tall 22:11,12	15:14 25:23
44:17 50:21	41:5	6:22 8:17	44:9	26:8,10 29:19
slight 27:11	spot 11:25	37:18	technical 13:2,6	30:10 46:25
slightly 4:25	spots 11:24	substantial	13:8	think 4:18 6:18
5:22 18:7	spring 1:5 3:3	43:12,13 44:3	technically 6:18	6:20 17:18,20
44:17	4:15 7:11,21	44:4	technician 12:14	17:22 20:9,11
slope 28:21	9:25 13:17,18	sufficient 46:9	14:5	24:8,14,16
smaller 27:12	33:15,17	suggest 43:3,9	technicians	25:11 26:14
SMITH 1:16	square 8:1,1,2	43:25	12:16 29:12	29:2,21,24
51:16,20,22,24	8:10 18:19	suggestion 42:16	technology	30:5,7 33:7,10
52:1,3,5,7	20:6 41:20,22	summarize 6:12	45:20 46:24	33:11 34:3,14
smooth 24:2	41:22,23 42:3	38:1	telecommunic...	35:14 37:20
sole 41:1	42:4,5,6,7,8,12	summary 37:21	8:11 36:17	43:20 47:13
Soloway 1:21	42:14,20,21,22	summer 31:16	40:3 44:7	48:12 49:4,7
3:5,6,19 7:7	43:11	33:3 34:18	tell 11:5 47:1,3	49:10,11,25
8:20,23 9:1,19	stacked 22:5	support 14:19	tells 48:19	thinking 25:18
13:1,4 15:11	stacking 25:14	44:10	temperatures	45:20
17:12 20:17	standards 6:23	supporting 5:8	34:19	thinks 50:23
21:14 25:5	37:5	15:21	temporary 32:7	third 5:24 25:6
26:6 27:16,23	standing 29:6	sure 6:12 9:23	35:6 50:13,14	thirdly 6:24
27:25 28:3	start 13:8	12:20 32:2	51:6	thought 46:19
29:18 32:14	state 9:7 36:13	37:23 38:2	tennis 8:15	three 5:5,6,12
33:5,10,16,25	36:20 39:18,22	surface 11:3	31:22	6:14 7:19,19
34:3,14 36:4	40:6 53:7,21	surrounding	terms 15:16	7:24 24:25
36:18,23 37:17	statement 35:5	38:13	34:16 44:8	31:7,9 34:12
37:24 38:22	statements 50:8	survey 15:2	49:2	40:13
39:5,15 40:10	states 41:17	surveyor 14:24	testified 9:6 36:7	throw 47:5
44:12,17,20,23	station 6:11	14:25	39:17 40:4	Thursday 1:7
45:1,3,6,14	stations 38:18	swear 9:3	testify 6:22 9:13	time 23:23 26:9
46:8,17 47:7	stay 32:18	switch 10:6	testifying 33:11	26:22 27:1
47:22 48:8,13	steep 28:20	50:25	testimony 15:17	31:5 39:6
49:3,22,25	stenographica...	sworn 9:6 36:7	30:23 37:21	46:22 53:11
50:16,20,23	53:10	39:17	39:1,13 53:9	timeline 33:20
51:4,7 52:12	STEPHEN 1:19	system 22:22	thank 3:5 8:18	times 9:14 39:1
somebody 7:2	Steven 7:16	28:10	36:3 39:14	today 10:22
someplace 4:12	street 1:5 3:3	systems 36:17	40:9 45:3	today's 44:20
sorry 14:22	4:16 7:11,21	Szalay 8:19	52:12	tonight 4:8
51:16,18	9:25 13:17,18	_____	that'd 22:1	14:12
sort 23:9	31:12	T	theirs 24:16	TONY 1:11
sound 35:19	structural 14:10	T 2:7 39:16 53:2	they'd 4:10	top 5:7 11:17,21
Southern 4:7,19	14:13,17	53:2	28:18	12:1,2 21:18
space 20:3 28:25	structure 38:14	TABLE 2:2	thick 21:18	22:15 25:15,15
29:13	structures 27:1	take 20:7 32:22	23:16	total 36:14 42:4
speak 43:21	44:9,10	42:2 52:10	thing 20:14	42:7,20,21,22
	stuff 20:8,11,16	taken 43:21,22	21:10,17,24	touching 19:16

tower 4:6,15 5:1 6:10 7:11,20 7:21 8:13 10:2 11:18 16:17,21 24:1 26:22,23 44:11 46:15	T-Mobile 5:2 6:3 7:23 8:12 10:1,4,9,19,21 11:6,19,25 13:16 15:6,24 16:4 17:10,15 17:19 19:20 21:12,23 22:19 24:23 25:19 28:23 29:13 41:1	24:10 40:23 41:2,14 49:13 variances 4:1 7:1,24 43:14 48:11 49:20 51:11 variation 40:16 41:3,8 venture 46:20 verify 15:4 Verizon 1:4 3:3 3:7 7:10,18 8:7 10:23 12:1 15:21 16:8 19:25 22:21 23:7,25 28:24 29:9,11 30:1 37:1 38:11 41:11 42:18 47:11,24 Verizon's 10:17 21:2 24:4 28:24 47:22	33:19 35:4,10 35:13,22 36:1 36:8,22 38:17 38:23 39:9,18 40:9 45:9,12 45:15 46:10 47:20,25 50:4 51:1,5,8,12,15 51:20,21 Vogel 1:21 3:6	44:21 45:20,24 47:14,16 we've 3:25 4:13 9:13 11:21 38:25 45:9 49:11 what'd 24:20 When's 33:25 Widener 36:12 wider 22:17 William 1:13 2:6 39:20 Williams 1:13 51:10,24,25 willing 46:5 windows 33:12 win/win/win 4:17 wireless 1:4 3:3 3:7,9,14 5:14 7:11 10:23 12:1 15:21 36:16 37:1 38:11 40:3 41:5,11 42:18 44:6 47:11 wires 24:20 wit 48:25 withdraw 47:9 withdrawn 47:3 WITNESS 2:3 witnesses 6:14 wood 10:21 11:14 words 29:8 work 9:10 28:7 30:6 31:8 32:20,23 worked 26:16 works 4:20 worse 25:12 Worth 27:3 wouldn't 13:22 29:16 46:8,19 wrap 26:2 writing 49:5 written 7:13
towers 4:7 25:6 town 45:21 46:4 towns 30:10 township 1:1,9 4:9 8:15 39:25 41:13 46:18 47:14,18 township's 4:18 traffic 33:1 35:11 transcript 1:3 53:9 translates 42:5,9 42:22 transmission 4:15 5:1 6:10 10:4 25:6 traveled 31:11 treated 48:23 trees 12:6 triangular 11:16 tri-locate 24:24 truckload 31:16 true 25:2 27:21 53:9 try 21:24 22:11 31:6 trying 20:5,9,11 21:1,3,13 22:20,21 23:25 tune 23:23 turn 33:5 tweak 30:11 Twelve 24:21 two 4:7 10:12 14:4 18:19 22:8 23:22 25:8 26:15,21 31:7,9 33:12 34:11 46:2 type 10:24 types 5:16 typically 12:16	T-Mobile's 10:16 11:9 15:8 16:5 17:18 18:1 21:2 22:22,23 23:6 24:5 29:1 29:2,11 35:23 35:24	U U 36:6,6 unavoidably 5:23 underground 8:11 20:14 undermined 17:7 understand 3:16 23:5 30:13 undertake 37:1 37:7 unfortunately 23:24 unit 18:18 University 36:12 unrecognizable 43:5 upgrading 47:16 upper 38:14 use 5:15 40:5,7 44:7 48:14 usually 22:10 31:4 33:12 utility 15:10 utilized 15:6	W W 39:16 walk 12:15 14:6 walking 18:15 want 6:4 7:8 9:12 13:1 25:23 26:6 27:17 29:16,22 37:19 45:7 47:17 wasn't 29:1 46:9 wasted 29:13 water 12:13 way 12:4 17:6 23:7 26:10 34:6 48:22 49:4 wear 32:15 weeks 34:11 welfare 38:8 48:25 Weston 1:12 7:9 7:15 8:17 51:22,23 we'll 9:3 50:17 50:20 52:10 we're 4:8,24 5:5 5:7,22,25 6:4,8 6:16 9:17 10:7 10:8 11:13 12:20,24 15:7 15:7,16,23 16:11 17:25 18:20 19:5 20:5 21:12 22:20 28:23 33:14 36:24 39:8 41:8	X
V variance 5:11,20 5:24 6:3 11:1		Vice 1:12 vicinity 7:20 view 11:11 violate 17:9 virtually 43:5 visit 7:12,14 12:16 visits 32:15 visual 44:1 Vivona 1:11 3:2 3:18 8:18,22 8:24 9:7,17 13:21 14:3 17:14 18:1,4,8 18:11,16,23 19:2,7,12,15 19:18 20:2,13 21:16,20 23:8 23:15,19 24:5 24:14,19,22 25:10,21,24 26:14 27:22,24 28:4,9,17 29:16,24 30:4 30:14,17,20 32:6,21,25		

x 1:6 2:7	22:1 27:7 36:14 42:19	2015 3:12	5
Y	10-and-a-half-... 11:4	2018 1:7 9:23 10:14 13:7 15:13 38:3	5 1:5 4:16 5:17 7:12 15:4,17 15:19,20 19:25 24:9 41:6 45:24
yeah 9:15 12:20 14:17 16:11 18:6,13,25 19:18 20:15 21:11 22:10,18 23:21 24:12,14 24:16 25:7,21 25:24 26:23 27:8,13 28:4,8 28:20 30:3,4 31:25 33:18 34:2 35:10,24 47:23 50:16	10-foot 23:2 10-foot-by-25-... 11:3 10-foot-by-31-... 10:17 100 14:8 105 1:5 4:16 7:12 11.92 42:9 12 12:9 17:15,20 17:23,25 24:20 25:15	2018-05-29 53:22 203,541-squar... 42:1 21.47 42:12 21.62 42:23 24 40:1 24,266 8:2 42:8 25 8:8 26/1 26:23	5-footers 24:15 50 12:5 25:3 54 1:8
year 33:13 43:23	12-and-a-half-... 11:16	24 40:1 24,266 8:2 42:8 25 8:8 26/1 26:23	6
years 36:15 39:23,25 40:1 46:21	123,541 42:3 126 5:4 126-foot 11:20 13 39:25 131 5:1 131-foot 11:12 11:20 136 5:7 139 5:7 14 18:2 22:1 42:18 14-foot-by-31-... 10:18 15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	6 5:18 6:1,6 8:6 12:8 15:17,19 16:9,21 21:18 21:18 24:17 40:18 6-foot 24:6 40:21 45:20 6.1 41:7 60 8:4 642-4299 2:1
Yep 7:9 8:24,25 9:9	13 39:25 131 5:1 131-foot 11:12 11:20 136 5:7 139 5:7 14 18:2 22:1 42:18 14-foot-by-31-... 10:18 15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	7
Z	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	7 8:5 41:24 42:2 7th 7:14 7-foot 6:3 40:19 7-foot-high 5:25 10:21 11:14 72.9 8:4 41:7
Z 14:22	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	8
zip 13:3	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	8 5:1 10:3 8:13 1:9 80 33:3 80,000 41:21,23 42:4,6 80,000-square... 41:19
zone 41:18 43:14 44:4	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9
zones 11:24	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
zoning 34:5 40:5	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
Z-1 9:21 10:12 15:1	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
Z-3 10:6,13 11:11	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
0	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
0 9:22 0.15 42:24	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
1	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
1 5:18 12:9 13:10 14:22 38:15,20,21 42:25	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
1A 43:24	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
1-foot 40:16,23	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
1.1-foot 41:8	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
10 8:8 10:6 15:12 16:17 18:2,11 21:21	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 310 42:20 43:11 34 36:15 36 2:5 37 39:23 39 2:6	9 2:4 17:16 9,266 42:5 9:10 52:15 9:30 7:15 90 23:11 908 2:1
	15 38:3 15th 43:22 15,000 41:20 42:6 15/100ths 42:25 17th 52:11 18-foot-long 29:3 18-105-5 1:3 3:3 7:12 19 1:7 19,434 42:14	3 13:9 14:9,20 14:21 15:13 3A 43:24 3-foot-wide 18:15 30X100239700 53:22 30-75.2 41:15 30-96.15c1(A) 40:17 30-99.9j 41:4 31 10:6 18:2,2 18:12 27:7 42:19,19 31-foot 20:6 	