

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

I N D E X

PAGE NO.

WITNESS PANEL: **ADAM ZYSK**
(resumed) **EARLE (Rusty) BASCOM**
 DAVID TAYLOR

Cross-examination by Mr. Lakes	4
Cross-examination by Mr. Van Houten	46
Cross-examination by Ms. Menard	66
Cross-examination by Mr. Cote	82
Cross-examination by Ms. Pastoriza (For Ms. Schibanoff)	90
Cross-examination by Ms. Crane	94
Cross-examination by Ms. Draper	104

E X H I B I T S

EXHIBIT NO.	D E S C R I P T I O N	PAGE NO.
1 2 3 4	APOBP 65 Transcript Page 18 from Day 6/Afternoon Session ONLY (05-01-17)	17
5 6 7	APOBP 66 Transcript Page 21 from Day 6/Afternoon Session ONLY (05-01-17)	20
8 9	APOBP 70 Copy of a photograph of large boulder	23
10 11	APOBP 71 Copy of a photograph of large boulder broken up	23
12 13	APOBP 72 Transcript Page 157 from Day 10/Morning Session ONLY (05-31-17)	24
14 15	APOBP 67 Page 7 of 10 of Pre-Filed Direct Testimony of David L. Taylor, Jr.	36
16 17	APOBP 68 Page 8 of 10 of Pre-Filed Direct Testimony of David L. Taylor, Jr.	36
18 19	APOBP 69 Page 19 of Written Testimony by Dewberry re: Northern Pass - Underground Transmission Lines	38
20 21	APOBP 63 DOT Bureau of Highway Design Conference Report, Page 1	43
22 23	APOBP 64 DOT Bureau of Highway Design Conference Report, Page 2	43
24	NAPO-BP 58 Photograph of Gale River Motel	90
	AD-N-ABTR 58 Document of 7 pages, consisting of maps, photographs, charts	95

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 **P R O C E E D I N G**

2 CHAIRMAN HONIGBERG: Good morning,
3 everyone. I'm told this is Day 51. Anything
4 we need to deal with before Mr. Lakes begins
5 questioning the panel?

6 *[No verbal response.]*

7 (Continuation of witness panel
8 of **Adam Zysk, Earle (Rusty)**
9 **Bascom,** and **David Taylor.**)

10 CHAIRMAN HONIGBERG: Mr. Lakes, you
11 may proceed.

12 MR. LAKES: Good morning. My name is
13 Carl Lakes. I'm with the Bethlehem to Plymouth
14 Underground Abutters. And I have a number of
15 questions for the panel today. Thank you for
16 being here. Appreciate it. And I'll try not
17 to go over a lot of things that we talked about
18 yesterday, but there may be some nuanced things
19 that I'll ask about, and that's why I'm talking
20 about it.

21 BY MR. LAKES:

22 Q Okay. To begin, Mr. Bascom, in your testimony,
23 you say, with regard to horizontal directional
24 drilling, that "the Applicant has potentially

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 unrealistic expectations for areas requiring
2 the use of HDD from the standpoint of both
3 laydown area and time of construction." How
4 does a laydown area noted in the NPT
5 Application vary from your experience with this
6 type of construction?

7 A (Bascom) Generally speaking, the footprint for
8 the laydown area is larger from the experience
9 I've had with other projects. And I noted a
10 discrepancy between what was proposed with the
11 sort of linear laydown utilizing mostly one
12 lane of traffic, as opposed to what I've seen
13 in other projects.

14 Q Have you had any experience, or anybody on the
15 panel, with a linear laydown of a HDD project
16 at all?

17 A (Zysk) Not like what's proposed, no.

18 Q So, is this a new untried type of construction?

19 A (Bascom) I would say my experience is generally
20 with high voltage cables, where the length of
21 the directional drill is on the longer side, so
22 greater than 500 feet. And, in those
23 circumstances, with a larger diameter cable and
24 the resulting size of the conduits used, the

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 equipment involved is much larger. In this
2 particular case, the Applicant is intending to
3 install 8-inch conduits individually. So, the
4 size of equipment is more consistent with gas
5 lines, water lines, smaller diameter bore
6 holes. And, as a result, the laydown area
7 could be smaller.

8 Q Even though the actual bore holes for most of
9 the HDD are 18-inch, around which, at least to
10 me, I guess, as a layman, sounds fairly big.
11 So, that is an 18-inch bore hole is fairly
12 typical of a smaller type of operation
13 requiring, I guess what you're inferring,
14 smaller equipment?

15 A (Bascom) That's correct, in general. Normally,
16 the size of the bore hole needs to be, as a
17 minimum, about one and a half times the
18 diameter of the casing or conduit that's going
19 to be installed.

20 Q Yes.

21 A (Bascom) And they're proposing to use, as far
22 as I can tell, an 8-inch conduit. So, 18 to 20
23 inches would be a typical bore hole size to
24 accommodate that size opening or that size

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

1 conduit.

2 Q Okay. Do you think this layout will easily fit
3 into a three rod road?

4 A (Bascom) As I indicated in my prepared
5 testimony, I felt the laydown area was smaller
6 than I would anticipate for some of the lengths
7 of the drills that they're going to be doing,
8 considering that they're likely to encounter
9 rock.

10 But, again, I would defer to, I think,
11 Dewberry, who maybe has some experience with
12 the civil aspect of the directional drilling to
13 maybe respond to that.

14 A (Zysk) I think it's more the case they have
15 adjusted the layout, their anticipated layout
16 of their machinery, to work within the area
17 that they have.

18 Q And this will entail moving to the edge of the
19 right-of-way, I would think, as much as
20 possible?

21 A (Zysk) Yes. I would expect so.

22 Q So, in that regard, we can assume, as residents
23 on 116, that this will require the removal of
24 trees and flattening of the terrain, not only

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 on the side that the rigs will be on, but also
2 across the street, where trying to make more
3 room will allow for traffic to drive off of the
4 pavement so that there's more room. Would you
5 agree with that?

6 A (Bascom) My understanding is that the space
7 that they are allowed to work within is the
8 easement or right-of-way available on a given
9 road. And, to the extent that that area exists
10 or is defined, my understanding is they can
11 utilize that space. I don't know --

12 Q Yes. I mean, that's the big argument. It
13 isn't defined and so forth. But I won't get
14 into that right now.

15 But my basic premise of this is that, in
16 order to do this work, I can only feel,
17 particularly in a three rod road, that the
18 construction area will have to move over the
19 centerline towards the other side of the road,
20 thereby creating a situation where the traffic
21 needs to continue, if they're going to -- or
22 shut down the road, so they're going to have to
23 encroach on the other side of the road and
24 remove vegetation so that traffic can move

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 through that area. Would that be a reasonable
2 assertion?

3 A (Zysk) I would say, if New Hampshire DOT allows
4 them to do that, then, yes, they will.

5 Q I guess all of that remains to be seen. Now,
6 with regard to time of construction, the
7 Applicant cited "three to five weeks" in the
8 earlier hearings, which has now, from what I
9 heard yesterday, changed to "four to six
10 weeks", on average. I know there's some other
11 ones that are bigger, like the microtunnel,
12 that sort of thing, is a different thing all
13 together. And this is including setup,
14 drilling, tear-down, etcetera.

15 So, Mr. Bascom, when I went through your
16 estimates and added them up for the minimum and
17 to the maximum, I saw your estimates were
18 adding up to a minimum of seven weeks to a
19 maximum of thirteen weeks from start to finish.
20 How do you account for the discrepancy of what
21 you say is the time frame, and putting that
22 together with the fact that now we're talking
23 about this end-to-end layout construction plan
24 that is obvious, I think, to even laymen such

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 as me, is going to stretch out the time of
2 doing these projects? So, how can you square
3 that or do you feel that the four to six weeks
4 may be a happy thought, but not really a
5 reality?

6 A (Bascom) In my experience with other projects,
7 oriented toward transmission cable
8 installation, the time for the work, including
9 mobilization, actual civil and construction,
10 and demobilization, was much longer than the
11 Applicant indicated in their information. And
12 that was the basis for the statements that I
13 made.

14 It also assumes that there are no delays,
15 equipment breakdown, other factors, weather,
16 that might impact the timeliness of the
17 construction. And, given the number of
18 directional drills, on average, I would expect
19 that it would be imprudent to assume that every
20 one of those is going to occur without some
21 sort of delay, either from equipment or weather
22 or other factors. And, on that basis, I felt
23 that the time listed for each directional drill
24 was, as a minimum, probably too short.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q Okay. Moving on. Mr. Bascom, yesterday it was
2 stated that the "HDD starting and finishing
3 pits need to be ten feet apart". Why is that?

4 A (Bascom) With directional drilling, one of the
5 aspects is the alignment and controlling the
6 position of the drill stem, which is the
7 initial pipe that navigates through the ground.
8 And the sensitivity of the tracking equipment
9 is generally on the order of around five feet
10 or so. It could be better than that, but
11 that's a good planning design. So, allowing
12 for uncertainty in the directional drill, they
13 would normally want to design with at least
14 five feet, and perhaps a ten-foot separation,
15 to conservatively avoid having one drill
16 interfere with the other.

17 Q So, ten feet is actually at a more ideal for a
18 situation such as that?

19 A (Bascom) Yes. That's correct.

20 Q Another question. So, the incoming trench
21 that's coming towards these splice pits, I'm a
22 little confused in terms of you've got these
23 two cables next to each other, and then they
24 need to split off ten feet. So, is that an

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 individual trench that goes to each pit or each
2 area that will eventually take that cable or is
3 that all dug out as a big hole that it goes
4 through?

5 A (Bascom) I'm not sure I understand the
6 "ten-foot" that you're indicating near the
7 splice pits.

8 Q Okay. I guess what I'm saying is, you have a
9 trench, and then you've got the two conduits
10 that will eventually go down each one of those
11 pipes. And these two conduits are next to each
12 other in the trench. Then they need to split
13 off somewhere along the way to get into those
14 bore holes, right? I was just wondering how
15 that is done?

16 A (Bascom) So, I think, to understand your
17 question, you're indicating that the nominal
18 trench, where the separation is 18 to 24 inches
19 between the conduits themselves, --

20 Q That's right.

21 A (Bascom) -- and then, on approach to the
22 directional drill, there's a larger separation?
23 Is that --

24 Q Yes.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Bascom) Am I understanding your question?

2 Q That's what I'm talking about, yes.

3 A (Bascom) The approach to how that's addressed
4 is the trench is widened to align the conduits
5 individually with each of the bore holes. And
6 there's a transition between the conduit type
7 that might be used for the conventional
8 open-cut trench to that which is used for the
9 directional drilling. And the reason for the
10 transition is the type of conduit, in
11 particular, the wall thickness, is larger for
12 the directional drill to accommodate the
13 tensile forces, the pulling forces, as the
14 conduit is pulled into the bore hole.

15 Q Okay. Now, it is my understanding that, at the
16 deepest part of the HDD boring, that they're
17 supposed to be like 20 feet apart from each
18 other. Is that correct or is that -- I've
19 heard that a number of times, I'm just curious
20 on that aspect?

21 A (Bascom) I'm not aware that it's supposed to be
22 20 feet apart. If you can refer me to a
23 drawing, I might be able to comment.

24 Q Yeah, I wish I could. I know I've seen it

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 somewhere. And I didn't know -- have any of
2 you gentlemen been exposed to that
3 particular --

4 A (Zysk) I believe I noted it, that it was
5 mentioned in some of the earlier transcripts.

6 Q Okay. So, --

7 A (Zysk) That was their design goal.

8 Q So, I guess, you know, the point of my question
9 is, in a space that's already constrained, say,
10 within a three rod road, and particularly with
11 the starter pit on the shoulder or off of the
12 road, I'm concerned, and I'd like to get your
13 opinion on this, could that underground bore
14 cross into private property?

15 A (Bascom) I would say, given the tolerance of
16 the directional drill, it's possible that it
17 would deviate from the alignment that is
18 planned. And, to the extent that the bore
19 alignment is positioned near the edge of the
20 right-of-way, it's possible it could go outside
21 of that perimeter, --

22 Q There is a --

23 A (Bascom) -- that barrier.

24 Q Okay. Thank you. There actually is a drawing,

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 and I guess I wish I had it with me today, but
2 there is an actual HDD drawing in Easton where
3 the actual path of the bore does go right under
4 somebody's property. I mean, it's so clear.
5 But, anyway, I just want to bring that up as an
6 issue that needs to be thought about as we move
7 along.

8 Staying with HDD, NPT has continually
9 stated that they plan on working from 7:00 a.m.
10 to 7:00 p.m. Now, when boring the initial
11 pilot hole, which I understand is actually the
12 most important hole when you actually start an
13 HDD, is it standard procedure to stop and walk
14 away at 7:00 p.m., in the midst of a pilot
15 hole?

16 A (Bascom) It depends on the geology that's
17 involved. In some cases, if the bore hole is
18 expected to be stable, it's possible to
19 interrupt the work and then resume. My
20 understanding is much of the drilling may be
21 done in rock, and that would generally be
22 consistent with a stable environment for a bore
23 hole. And depending on the type of equipment
24 that might be used, they could restart and

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 continue directional drilling to establish that
2 bore hole.

3 Q But I guess, if it's unstable, and the worker
4 is pushing his pilot bore, 7:00 p.m. comes and
5 there's concerns about this thing collapsing or
6 whatever, what would be your mode of operation
7 at that point or what would be the way to move
8 forward or would you just stop? What makes
9 sense?

10 A (Bascom) Generally speaking, the riskier part
11 of directional drilling as a process is the
12 pull-back of the conduit or the casing.
13 Because, at that point, if they stop, there may
14 be some collapse of the bore hole. And
15 that's -- that part of the operation generally
16 will continue on a continuous basis until they
17 complete the exact entire pull-back. The pilot
18 hole, establishing the pilot hole, may be
19 interrupted, and I've seen that interrupted on
20 some projects. I can't speak specifically to
21 all the locations that are involved with the
22 potential Northern Pass Project.

23 Q Okay.

24 A (Bascom) But it is possible you can stop and

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 resume work on a shift basis.

2 Q So, with a blanket -- a blanket statement that
3 "these machines will be operational between
4 7:00 a.m. and 7:00 p.m.", really, it's not
5 possible, is it? I guess, if you threaded the
6 needle perfectly every second of the way. But,
7 you know, we're talking, what, 59 HDD bores,
8 which is unprecedented anywhere in this
9 country, I would think that there's going to be
10 times when they're going to work past 7:00
11 p.m., is that correct?

12 A (Bascom) I would say it's possible.

13 A (Zysk) They have noted that every single HDD
14 location will have -- the contractor will
15 analyze it and will come up with a specific
16 work plan for that location. And I'm sure that
17 they will determine at that point whether they
18 need to go longer than a 12-hour shift.

19 Q Yes. I get it. But I'm just telling you what
20 we've been told.

21 A (Zysk) Understood.

22 Q Okay. Mr. Taylor, --

23 MR. LAKES: Can you please put on the
24 ELMO, Bruce, number 65?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

1 BY MR. LAKES:

2 Q This is a copy from Applicants' Construction
3 panel testimony, Day 6, May 17th [May 1st?],
4 Page 18, question from Mr. Pappas to Nathan
5 Scott. And, so, this regards testimony with
6 regard to "staking a construction site". And
7 we'll start with, at the top, "Okay. Then,
8 where it says "Stake limits of disturbance", is
9 that to determine where it is going" -- I'm
10 sorry, "where it is you're going to essentially
11 dig and have equipment?" Let me say that
12 again, I was disjunct on that. "Then, where it
13 says "Stake limits of disturbance", is that to
14 determine where it is you're going to
15 essentially dig and have equipment?" And
16 Mr. Scott, for the Construction panel, says
17 "Essentially, yes."

18 "Okay. Then, you're going to need to --
19 well, let me back up for a minute. When you
20 stake out limits of disturbance, presumably the
21 goal is to stay within the right-of-way,
22 correct?" "Scott: Correct."

23 "It's not to go on any private property?"
24 "Scott: Correct."

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 "So, when you stake --", and then Scott
2 interrupts: "And that right-of-way line will
3 be staked as well."

4 So, I want to talk about that a little
5 bit. So, it appears the intention, on any
6 construction site, is to stake the ground
7 delineating the line between private property
8 and the ROW. Do you agree?

9 A (Taylor) That's typically done, yes.

10 Q Would you agree that there could be a problem
11 performing construction activity on a state
12 road right-of-way, such as 116, where many
13 portions are three rods wide, which is around
14 49 feet, and smaller portions are two rods
15 wide, which is 32 feet, and, even on a four
16 road -- four rod road, which is 66, where
17 boundaries on both sides are undetermined?

18 A (Taylor) That's correct. It would definitely
19 be more of a challenge if the road right-of-way
20 is narrower than currently shown on the
21 Applicant's plans.

22 Q So, Mr. Taylor, would you, if you were in
23 charge of a project, allow the staking of a
24 construction site if the ROW boundaries were

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 not firmly established?

2 A (Taylor) I would say the answer is "no", mainly
3 because we wouldn't get to the point of
4 construction stake-out relative to property
5 rights, unless someone on our team or an agency
6 had determined that that is, in fact, the
7 limits of the property right.

8 MR. LAKES: Okay. Let's put the next
9 thing on, Bruce, number 66.

10 BY MR. LAKES:

11 Q This is a copy from the Applicants'
12 Construction panel testimony, Day 6, on
13 May 1st. The question again is from Mr. Pappas
14 to Nathan Scott.

15 And we'll start with "Yes. You anticipate
16 in some places there's going to be some
17 blasting, don't you?" Scott says: "I'm not
18 sure of any specific locations where it's
19 required for the underground route. But it's a
20 potential, yes."

21 "Well, your Application indicates you
22 anticipate some blasting, does it not?" The
23 Application reserves -- and this is the answer:
24 "The Application reserves" -- and this is from

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Mr. Johnson, I'm sorry: "The Application
2 reserves the right, if you will. Based on
3 geotechnical results that we got back, we found
4 that there was little to no rock in the area
5 that we plan to install. So, it would be on a
6 case-by-case or emergency basis. But it has
7 not been pre-identified in specific locations."

8 I want to talk a little bit about that as
9 well. This is where it gets a little tricky
10 with me trying to put some things on the
11 screen.

12 So, with the underground alignment in a
13 state of flux, in order to meet DOT regulations
14 and/or to avoid issues along the route, and/or
15 to get exceptions from DOT where there are no
16 other alternatives, the statement "we found
17 little or no rock in the area we plan to
18 install", may this not be accurate now, because
19 the plans are changing as we speak?

20 A (Taylor) Yes and no. I would assume that his
21 statement is based on the exact boring
22 locations from their geotechnical work. So, if
23 a boring is done, say, every thousand feet or
24 two thousand feet, by way of example, they

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 wouldn't know what's in between.

2 Q Right.

3 A (Taylor) The other side of that is, if they
4 have changed the alignment, and they did have a
5 boring in an area on the exact previous
6 alignment, then they wouldn't generally know if
7 rock, let's say, is on the other side of the
8 road.

9 Q So, certainly, this statement about there
10 "being little or no rock", I also extended that
11 in terms of the trench information. So, the
12 geotechnical boring, you know, as far as the
13 trench goes, is, well, number one, it appears
14 to be nonexistent, because they picked out
15 areas that they're talking about doing the HDD.
16 And, actually, to be able to determine what's
17 going to be in all these trenches is kind of
18 like finding a needle in a haystack. I mean,
19 is that --

20 A (Taylor) If you're referring to rock, the
21 answer to that would be yes.

22 Q Boulders, things like that?

23 A (Taylor) Yes.

24 MR. LAKES: I need to bring up the

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Apple TV at this time. All right. Has
2 anything come up yet? Oh, there it is. I
3 didn't even though it was there. All right.

4 BY MR. LAKES:

5 Q On the screen is Exhibit Number APOBP 70. What
6 you see here is a very large boulder that was
7 recently excavated next to Route 116 at the
8 mouth of the new Gibson Road. The same area
9 that Kris Pastoriza was talking about
10 yesterday, in terms of putting a vault on the
11 other side of the road. And this is kind of
12 like a -- it's like an iceberg, because there's
13 a huge portion of it below the ground as well.

14 And the next picture I'm going to show
15 you -- this works pretty good. This is the
16 boulder that was there that is broken up.

17 And the only point I want to make, you
18 know, to the panel and to the Commission here,
19 is that I live about a quarter of a mile away
20 from that boulder. It took a week for them to
21 break that boulder apart.

22 CHAIRMAN HONIGBERG: Mr. Lakes, this
23 is your time to ask questions of the panel.

24 MR. LAKES: Yes. I'll just make --

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 yes. Well, okay.

2 BY MR. LAKES:

3 Q So, would it surprise you gentlemen that this
4 boulder took an excessive amount of time --
5 well, to me it was excessive, because I had to
6 listen to it every day for a better portion of
7 five days or so with a giant backhoe with a
8 hammer on it smashing the thing, every day, for
9 like eight hours a day.

10 So, would it surprise you gentlemen that
11 they may find similar things, similar boulders,
12 while they're doing trenching along the road,
13 off the road, along the 52-mile route?

14 A (Taylor) No. I wouldn't be surprised by that.

15 Q So, when you hit a thing like this, slows down
16 production, I would think, and efficiency?

17 A (Taylor) It does.

18 Q Extends the operation, costs more money?

19 A (Taylor) That's correct.

20 Q *Etcetera, etcetera.*

21 MR. LAKES: So, if you could, Bruce,
22 put up number 72. So, this is a slight
23 digression.

24 CHAIRMAN HONIGBERG: Do you need the

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 ELMO back?

2 MR. AHERN: We need the ELMO back.

3 MR. LAKES: Oh, I'm sorry. I don't
4 need the ELMO anymore. Thank you.

5 CHAIRMAN HONIGBERG: No. You need
6 the ELMO.

7 MR. AHERN: You need the ELMO, not --

8 MR. LAKES: I don't need the Apple
9 TV. Yes, I'm all set. I need the ELMO, I'm
10 sorry. This juggling act is tough.

11 BY MR. LAKES:

12 Q So, this goes to -- this exhibit is an
13 exchange, again, in May with Mr. Bowes, who was
14 on the Construction panel for Eversource. And
15 I'm asking the question actually: "If tree
16 removal is necessary on the trench side of the
17 road, will landowners be brought into the
18 process before removal?" Mr. Bowes answers:
19 "Yes. Again, we have not identified any tree
20 removals that are necessary."

21 So, in May, the Northern Pass didn't --
22 was saying that they didn't see any trees that
23 had to be removed. Do you agree with that?

24 A (Taylor) I don't agree with that statement.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q So, when Mr. Johnson says, with almost the same
2 certainty, that "we found that there was little
3 to no rock in the areas we plan to install the
4 trench", now, this is a 62-mile [52-mile?]
5 underground trenching/digging/splice vault
6 operation in the Granite State. Do you think
7 this is a reasonable assessment, based on
8 drilling a few geotechnical bore holes?

9 MR. NEEDLEMAN: Objection. Where did
10 Mr. Johnson say "there was little to no rock"?

11 MR. LAKES: I just showed you the --
12 his testimony on -- put up the earlier one,
13 Bruce.

14 CHAIRMAN HONIGBERG: I believe you
15 had Mr. Scott's testimony up earlier.

16 MR. LAKES: Yes. It was Scott and
17 Johnson. Do we have it up there? I can't
18 tell.

19 MR. AHERN: Yes, it's right there.

20 MR. LAKES: Yes. It's right there.
21 And what's the number on that one, Bruce?

22 MR. AHERN: It's 80 -- or, 66.

23 MR. LAKES: 66. Where it says the
24 answer -- "Well, your application indicates you

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 anticipate some blasting?" was the question.
2 Mr. Johnson says: "The Application reserves
3 the right, if you will. Based on the
4 geotechnical results that we got back, we found
5 that there was little to no rock in the area
6 that we plan to install."

7 MR. NEEDLEMAN: So, based on the
8 geotechnical results?

9 MR. LAKES: Right.

10 MR. NEEDLEMAN: Okay.

11 MR. LAKES: I'm going to move on.

12 CHAIRMAN HONIGBERG: Wait. You have
13 a pending question. I assume you want them to
14 answer the pending question?

15 MR. LAKES: Thank you. I think the
16 question was answered earlier, in terms of the
17 "needle in the haystack", and the fact that
18 there will be boulders and other obstructions
19 found along the way, which I believe Mr. Taylor
20 answered in the affirmative.

21 WITNESS TAYLOR: Correct. I wouldn't
22 be surprised if you found rock or boulders
23 along the route.

24 MR. LAKES: Right. Thank you.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

1 BY MR. LAKES:

2 Q Okay. Mr. Taylor, in the questioning of Nathan
3 Scott by Mr. Pappas during the hearings, and
4 I'm not putting up any exhibits for this,
5 during the hearings there was a line of
6 discussion regarding splice vaults and the size
7 of the hole. And I just want to get
8 confirmation on that.

9 At the time, Mr. Scott had said that the
10 hole for the splice box is going to be "12 feet
11 wide by 34 feet long, 10 to 12 feet deep". And
12 I wish I had listened more closely yesterday,
13 but I heard differently yesterday. It sounded
14 like the hole was going to be bigger. Can you
15 answer that?

16 A (Taylor) I seem to recall his testimony
17 indicating an additional two feet on either
18 side --

19 Q Okay.

20 A (Taylor) -- of the design size of the splice
21 pit, which would put that component around 12
22 feet, and then the linear component around 38
23 feet.

24 Q Okay. I think what it is is he originally said

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 "12 feet". So, if he's adding two feet to
2 this, we're talking "14 feet". But I guess
3 we're just playing with semantics with numbers,
4 because, whichever way it goes, it still works
5 with the point I need to make.

6 The vast majority of the 159 vaults --

7 CHAIRMAN HONIGBERG: Slow down. Slow
8 down.

9 MR. LAKES: I'm sorry.

10 BY MR. LAKES:

11 Q The vast majority of the 159 vaults, I believe
12 around 130 will be off the pavement. So, Route
13 16 has a number of areas where it's three rods
14 wide, roughly 49 feet. So, if we take it from
15 the centerline over, it's about twenty four and
16 a half feet. Do you agree with that?

17 A (Taylor) I do.

18 Q So, the pavement itself is about 12 feet, 12
19 and a half feet wide, from the center, leaving
20 roughly another 12 and a half feet or 12
21 feet -- roughly 12 feet, let's say, for a vault
22 to be placed. How is it possible to site a
23 vault completely off the road in a two or three
24 rod road outside the pavement? That's my

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

1 question.

2 A (Taylor) Well, it would seem, mathematically,
3 for a two rod wide right-of-way, it doesn't
4 seem like it would work at all. And, for a
5 three rod road, it would really come down to
6 how the road is placed within the right-of-way.
7 If it's centered, as you just indicated, --

8 Q Yes.

9 A (Taylor) -- highly unlikely. If it's not
10 centered, then it's possible.

11 Q But the flip-side is correct as well, that, if
12 it's centered on the other side of the road,
13 that you'll even have less space. And, yes,
14 sure, a lot of this is based on "where is the
15 centerline of that road?" That's really where
16 some of these matters come into play. Because
17 you could have the larger boundary on the
18 opposite side of the road, that's -- is that
19 correct?

20 A (Taylor) That is correct.

21 Q And not knowing the exact ROW boundary, as we
22 just discussed, that would be an additional
23 barrier?

24 A (Taylor) Correct.

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q As had been noted yesterday, the panel is quite
2 aware that NPT is in consultation with DOT to
3 meet the Utility Accommodation Manual to the
4 best extent possible, or receive waivers where
5 it cannot.

6 When you, I'm just asking the group at
7 this point, were analyzing the route and
8 construction detail, did you believe that the
9 underground alignment, as stated by the
10 Applicant, was within legally established
11 rights-of-way?

12 A (Taylor) I would say, yes, because we had no
13 reason to believe, at the time of our review,
14 that the right-of-way shown was not accurate.

15 Q So, if you didn't know, would you have
16 probably -- would you have made that an issue
17 of discussion in your -- in the presentations
18 that you did, if you knew that there weren't
19 surveys that meet proper standards to the DOT?

20 A (Zysk) Yes.

21 Q Looking at your resumés, it appears that all of
22 you have extensive experience with large
23 construction projects. Have any of you been
24 involved with projects that were so heavily

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 reengineered and required multiple waivers two
2 years into the approval process?

3 A (Zysk) I was involved in that small project in
4 Boston about fifteen years ago, that was
5 constantly being redesigned due to political
6 decisions throughout the process. We also had
7 to make some reasonably major design changes
8 due to changes in construction, things that
9 happened during construction that weren't
10 anticipated, etcetera.

11 Q Yes. So, if you have to go back fifteen years,
12 I'm assuming it doesn't happen too often, on
13 this scale and magnitude? Sure, things change,
14 but your opinion, your thoughts?

15 A (Zysk) Maybe not to this magnitude, but even
16 small projects experience changes.

17 Q Uh-huh.

18 A (Zysk) We're in the process of finishing a
19 project right now. We had to stop, once we
20 started, and make some changes.

21 Q Sure. Let me ask you, Mr. Taylor, would you
22 have advised a client to move forward with an
23 application, if you knew large portions, in
24 this case, the underground portion, did not

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 meet and directly violated the DOT Utility
2 Accommodation Manual?

3 A (Taylor) We would not advise a client to
4 violate any regulation. That being said, as a
5 part of the overall strategy and compilation of
6 a project, if we deemed it appropriate,
7 relative to the regulations, to ask for a
8 waiver or an exemption, we would certainly do
9 that.

10 Q So, at what point in the process would you do
11 that?

12 A (Taylor) Typically, for what I would call the
13 "entitlement", which is what I view this stage
14 of the Project. That gets flushed out, be it a
15 waiver, a variance, exception, whatever term
16 you put to it.

17 Q Would you have advised a client to move forward
18 with an application with ROW boundaries that
19 were in dispute over the course of 62 [52?]
20 miles?

21 A (Taylor) Hard to say what I would have advised
22 to a client on this particular project. But I
23 think, as I had indicated yesterday, it's not
24 uncommon to move the early stages of a project

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 along when some data is still being figured
2 out. And I think yesterday I had said around
3 the 30 percent stage of a project, certainly
4 for a linear project, we typically know a
5 significant amount about the property rights.
6 And, so, if, in your scenario, we were below 30
7 percent or at 30 percent, engaging the
8 entitlement process would not be uncommon, but
9 we would do so with open eyes, and that would
10 just be disclosed throughout the course of the
11 entitlement process.

12 Q So, can I kind of bring that into perspective,
13 where you're saying that many of these things
14 that are still in flux today and not
15 understood, really should have been part of the
16 initial Application?

17 A (Taylor) If the Applicant knew that the
18 right-of-way wasn't correct, then, sure, I
19 would expect some level of disclosure with
20 that.

21 Q Yesterday, in questioning from Ms. Manzelli,
22 you mentioned a case where the parties got
23 together to find agreement on a boundary
24 dispute, I think, was that you, Mr. Taylor?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 I'm not sure. Apparently, there was one parcel
2 of land, and the landowner was brought into the
3 dispute, and they settled it. It was that kind
4 of -- did I summarize that okay?

5 A (Taylor) Generally speaking. I recall it
6 having to do with prescriptive rights, and
7 whether abutters to a property, where
8 prescriptive rights are in question, --

9 Q Yes.

10 A (Taylor) -- have a say in the matter.

11 Q And what caught my mind or my eye is that, you
12 know, you talked about one landowner, and we're
13 talking about hundreds having the same issues
14 up and down the route. So, would you think
15 that this is probably a thousand times, 10,000
16 times more problematical than the situation you
17 may have talked about yesterday?

18 A (Taylor) Well, I don't know if it's 10,000
19 times more, but --

20 Q Well, I'm a bad mathematician.

21 A (Taylor) Understood. To the extent that,
22 relative to the conversation yesterday,
23 prescriptive rights are in play, if that's the
24 case along the entire route, then, absolutely,

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 it would be a greater magnitude than my example
2 yesterday.

3 Q Do you think that, two years after the
4 Application acceptance, with these issues still
5 unresolved for landowners is the best way to do
6 business?

7 A (Taylor) I don't characterize this process as a
8 "good" or "bad" way to do business. If it's
9 being fully flushed out at this point, which it
10 appears that's the case, then this is when it
11 will get resolved. Which appears to be towards
12 the end of this process and around 60 percent
13 design according to the Applicant.

14 Q Thank you.

15 MR. LAKES: I want to move on to
16 Exhibit Number -- and this is you, Bruce -- 67.
17 Sorry for my bumbling. I'll try to get this
18 moving.

19 BY MR. LAKES:

20 Q So, the question was, to you, this is your
21 testimony, Mr. Taylor, "Were there aspects of
22 the underground construction that you were not
23 able to assess?" And you said "Yes. The
24 Applicants' submission did not include

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 sufficient information on the following items
2 for us to assess their impact associated with
3 construction of the underground segment: The
4 location and size of additional laydown areas
5 and staging areas that would be required; the
6 location for the placement of excavation
7 spoils; the location of concrete batch plants;
8 the need for temporary easements; utility
9 designating and test pit data, particularly for
10 the more urban and commercial areas;
11 geotechnical boring along the entire
12 underground route; the protection of cultural
13 resources identified in Easton; detailed
14 traffic control plans with construction
15 sequencing; and detailed erosion and
16 sedimentation control plans and sequencing."

17 So, these you did not have a chance to
18 review, because apparently they weren't there,
19 is that correct?

20 A (Taylor) Yes. That's correct.

21 Q In your professional expertise, is this level
22 of detail usually included earlier rather than
23 later in the process?

24 A (Taylor) Some of this is, I would say, at 60

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 percent or slightly thereafter, and some of it
2 is in the 30 to 60 percent range.

3 Q Okay. Moving along. And I'll try to get
4 through this even quicker, because some of it
5 was touched upon yesterday.

6 MR. LAKES: Bruce, and this is for
7 Mr. Taylor, please put up the APOBP 69. Do I
8 have that right? Yeah. Almost to the end
9 here.

10 BY MR. LAKES:

11 Q As you stated yesterday, Mr. Taylor, you
12 estimated the number of cement trucks and dump
13 trucks needed for the underground portion at
14 "19,653", is that correct?

15 A (Taylor) That's correct.

16 Q Now, and did you include in that that \$7,500 --
17 7,500 loads up in Coos County of that -- that
18 big ledge they're going to rip out of there.

19 A (Taylor) No. That wasn't a part of this
20 computational exercise.

21 Q Okay. So, does that number include mud
22 extraction trucks, deliveries of water for
23 drilling, logging trucks, chipper trucks?

24 A (Taylor) No, it does not.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q Does this include cranes and flatbeds carrying
2 backhoes, drilling rigs, bobcats, generators,
3 dumpsters?

4 A (Taylor) No.

5 Q Does this include steel plate trucks, pipe
6 trucks, splice vault trucks, cable reel trucks,
7 paving trucks, paving equipment, and even
8 pickup trucks?

9 A (Taylor) No.

10 Q And, as was mentioned yesterday, the trench is
11 going to be deeper. So, one would figure that
12 it's deep enough, between six and seven feet,
13 so it's going to be half again as much in terms
14 of truckloads. So, this would probably add
15 another 10,000 trucks to that number.

16 Did you do any width calculations on that,
17 on this Project, the width of the trench, I
18 mean?

19 A (Taylor) What do you mean by "width
20 calculations"?

21 Q Well, I guess what I'm saying is, initially,
22 from my understanding, the width of the trench
23 was narrower than the 5 foot wide that is now
24 proposed. Because, as you go deeper, the

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 trench has to get wider. I think that's pretty
2 much a standard sort of procedure with regard
3 to that.

4 So, with the trench being wider than it
5 was initially, I'm thinking that's going to be
6 even more truckloads of cement and dirt?

7 A (Taylor) That's a reasonable expectation.

8 Q So, when you put all of this together, I'm
9 estimating that we're talking probably in the
10 neighborhood of 40 to 45,000 trucks traversing
11 our roads over the course of two years. And,
12 from what I just stated, is that possible?

13 A (Taylor) It's possible.

14 Q Will this activity add a lot of noise, dust,
15 dirt, air pollution, traffic congestion, extend
16 the time of completion, directly affect
17 tourists and businesses?

18 MR. NEEDLEMAN: Objection. All of
19 that was included and should have been included
20 in the testimony.

21 CHAIRMAN HONIGBERG: I think, having
22 gone this far, I'm going to overrule the
23 objection. Let him answer.

24 **BY THE WITNESS:**

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Taylor) The short answer is "yes". And I
2 would refer you to our report and our direct
3 written testimony, which I think elaborates on
4 each of those.

5 BY MR. LAKES:

6 Q Yes. With the DOT requiring more trenching and
7 vaults off of the pavement, will there be
8 increased visual impacts to the scenic nature
9 of these roads?

10 MR. NEEDLEMAN: Objection. Beyond
11 the scope of their testimony.

12 CHAIRMAN HONIGBERG: Yes. These
13 aren't the visual experts.

14 MR. LAKES: I know. But I know that
15 Mr. Taylor, in his testimony, and I don't have
16 it with me, but I remember reading it, and he
17 did mention "scenic" issues. Is that correct?

18 WITNESS TAYLOR: In our report, in a
19 few areas, we mentioned where trenching went
20 outside of the roadbed, where it would be
21 either in a hillside or there was some
22 vegetation. We note that that vegetation would
23 be cleared. There would be additional grading.
24 And that would create a visual impact due to

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 the trenching.

2 BY MR. LAKES:

3 Q Okay. Are you aware -- well, maybe I'll skip
4 this question. Let's -- and we'll move on to
5 the last one.

6 And this is for Mr. Zysk. In your
7 testimony, you discussed "flowable thermal
8 backfill", also known as "FTB", as a "viable
9 and perhaps enhanced material that may be more
10 thermally stable for dissipation of heat around
11 the cable, and perhaps more stable with regard
12 to heaving in the winter months". Is this
13 correct, as a general summary?

14 A (Zysk) It doesn't sound exactly like what I
15 said, but I did discuss "heaving" and some of
16 the physical properties, yes.

17 Q Can I assume, from what you had written, is
18 that you weren't opposed to it or you didn't
19 find anything that made you --

20 A (Zysk) Correct.

21 Q Okay. So, would you classify flowable thermal
22 backfill as a porous material or more of a
23 solid block; one acting as a French drain, the
24 other blocking or repelling water?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Zysk) All concrete-based materials are
2 somewhat porous. It's not like gravel, where
3 the water will just flow through it. The water
4 will infiltrate it, but it will tend to move
5 around it more than it will move through it.

6 MR. LAKES: Okay. Bruce, can you put
7 up Number 63?

8 BY MR. LAKES:

9 Q And this is a State of New Hampshire Department
10 of Transportation Bureau of Highway Design
11 Conference Report. And I want to go to the
12 second page of that, which is Number 64. And,
13 if you go down where I put little marks there,
14 this was during a discussion between Eversource
15 and the DOT. And it says here that "FTB is [a]
16 water permeable, similar to DOT gravels, does
17 not create water dams, and behaves as a "French
18 drain" in poor soils."

19 So, my first question, you know, and I did
20 go through some of the geotechnical material,
21 which is overwhelming, I see a lot of this
22 thing about "poor soils". So, here we are
23 introducing something that is not a poor soil,
24 it's a manmade product.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 So, Mr. Zysk, what does a "French drain"
2 mean to you, in terms of I guess the way laymen
3 speak of "French drain"?

4 A (Zysk) "French drain" is typically a small
5 diameter pipe used to remove water from around
6 a foundation.

7 Q But, if you're describing this as a "French
8 drain", is that kind of -- are they likening it
9 to a similar fashion?

10 A (Zysk) I would say yes.

11 Q So, yesterday Ms. Pastoriza noted that
12 hydrocarbons were detected at the corner of
13 Route 116 and Route 112. Is my situation -- it
14 is my understanding that the same situation
15 exists at the corner of Route 18 and Route 116.
16 Could a trench, with FTB, acting as a French
17 drain, spread contaminants along the road and
18 increase the area of contamination?

19 A (Zysk) If there are known hydrocarbons in those
20 areas, I would expect that, if they were going
21 to excavate in those areas, then the soil that
22 has the hydrocarbons in it would either have to
23 be treated or removed and disposed according to
24 all regulations, and then clean material be put

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 back in the trench.

2 Q So, are we just talking the trench here or are
3 we talking about a total area remediation so
4 that materials cannot flow into that French
5 drain?

6 A (Zysk) That would be up to your DES. I can't
7 answer that question.

8 MR. LAKES: Okay. I have no further
9 questions.

10 CHAIRMAN HONIGBERG: I don't see Lara
11 Saffo here. Is she here?

12 *[No indication given.]*

13 CHAIRMAN HONIGBERG: All right.
14 Mr. Van Houten.

15 MR. VAN HOUTEN: Good morning,
16 everybody.

17 *(Multiple parties indicating*
18 *"good morning", including the*
19 *witnesses and Subcommittee*
20 *members.)*

21 MR. VAN HOUTEN: I'm going to try and
22 get two images up on the screen here. My
23 questions -- good morning, panel. My questions
24 are for any of you. You can decide who will

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 answer the question.

2 BY MR. VAN HOUTEN:

3 Q What we have here on the screen is Map Number
4 76 from the Project, showing where the overhead
5 line approaches Route 302 and the transition
6 station, where it goes underground.

7 Did you visit the location of the proposed
8 transition station?

9 A (Taylor) Yes. I've been there several times.

10 Q Okay. Did you notice anything unusual about
11 the topography there?

12 A (Taylor) I noticed that it drops off rather
13 quickly from not too far off of the road.

14 Q Right. So, if you were going to build a road
15 there, would you probably fill most of that in?

16 A (Taylor) Yes.

17 Q Okay. Is it your understanding that this would
18 be the access point for construction of the
19 overhead north of Route 302?

20 A (Taylor) It can be.

21 A (Zysk) This is certainly one location, yes.

22 Q Do you know of others?

23 A (Zysk) I can see another road toward the left
24 side of the map.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q That's a private road.

2 A (Zysk) Okay. That is not indicated as such.

3 But, okay.

4 Q Okay. So, I was told by Project
5 representatives that, and I think it's in the
6 Application, that access points to the overhead
7 construction will be from public roads?

8 A (Zysk) Yes. Correct.

9 Q Okay. Do you know the extent of the area
10 served by this access point?

11 A (Taylor) I do not.

12 Q And added to that is, and how many towers are
13 proposed to be built using this as an access
14 point?

15 I'll go to my other image here. This is
16 just a satellite from fairly high up showing
17 the area in question. Where the cursor is, you
18 can see the pond and where the existing
19 corridor intersects Route 302. From there, it
20 proceeds to roughly 116, you can see it. And
21 Route 116 there is running adjacent to the
22 Ammonoosuc River. Between Route 302 and where
23 the cursor now is there is no public road. So,
24 that is about four miles. There's something

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 like 30 towers proposed to be built there.

2 And, from what I understand from the Applicant,
3 they plan to build all of that using this one
4 point here on 302 as the access.

5 Would you do it that way?

6 MR. NEEDLEMAN: Objection, Mr. Chair.
7 This is just generic testimony related to the
8 overhead portion. There's nothing new here,
9 nothing has changed.

10 MR. VAN HOUTEN: Okay.

11 CHAIRMAN HONIGBERG: Mr. Van Houten.

12 MR. VAN HOUTEN: Fine.

13 BY MR. VAN HOUTEN:

14 Q Is there a road there now?

15 A (Taylor) Are you referring to 302?

16 Q No. The corridor?

17 A (Taylor) I wouldn't characterize there being a
18 road there. But, within their corridor, --

19 Q Right.

20 A (Taylor) -- I would assume that they can and do
21 travel it for maintenance and operations
22 currently.

23 Q The only thing that they have done there, in my
24 several years, twelve years, in that location

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 is every few years John C. Brown --

2 MR. NEEDLEMAN: Objection.

3 CHAIRMAN HONIGBERG: Mr. Van Houten,
4 you're testifying right now. What is it you
5 want to know from them?

6 MR. VAN HOUTEN: Oh. Okay. I want
7 them to describe the road that would need to be
8 built to accommodate the equipment and heavy
9 trucks needed for this construction.

10 CHAIRMAN HONIGBERG: That's an awful
11 lot like what they testified about in their
12 prefiled testimony about this construction job.

13 MR. VAN HOUTEN: Right. Well, --

14 CHAIRMAN HONIGBERG: Is there
15 something specific about it?

16 MR. VAN HOUTEN: Yes. This is a
17 little different. Because you have a proposal
18 to build something like 30 towers along a
19 four-mile stretch accessed with one road. That
20 indicates to me that you're going to need a
21 road that's big enough to have all of this
22 equipment passing each other. If you were
23 building one or two towers, you would just need
24 a road wide enough for a crane to get in there,

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 do its thing, and come back.

2 If you're building that many towers,
3 in a fairly short order of time, you're going
4 to need to accommodate all of this traffic, and
5 I believe that indicates a much bigger road.

6 CHAIRMAN HONIGBERG: Yes. I
7 understand that. And I'm not sure that -- I
8 actually think that they, if they wanted to
9 offer an opinion on that, it would have been
10 part of their prefiled testimony.

11 But, if you want to ask a question
12 about whether it can be done the way it's
13 proposed, given the topography and the existing
14 roads, since I think you've already said that
15 they do go onto the line, the Company does go
16 onto the line to maintain it, maybe you should
17 ask them that and we'll see what happens.

18 Let me try it. Can it be built, as
19 it's proposed, using the existing access points
20 that are currently in place?

21 WITNESS TAYLOR: I see no reason why
22 it couldn't.

23 CHAIRMAN HONIGBERG: So, Mr. Van
24 Houten, in light of that, do you want to ask

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 them anything further?

2 MR. VAN HOUTEN: Not about that.

3 BY MR. VAN HOUTEN:

4 Q How would such a road be constructed through
5 wetlands?

6 MR. NEEDLEMAN: Same objection.

7 CHAIRMAN HONIGBERG: Yes. Such a
8 what road? I'm not even sure I understand the
9 question.

10 MR. VAN HOUTEN: Well, the road we
11 were just talking about, a big road to allow
12 heavy equipment to go through a wetland.

13 CHAIRMAN HONIGBERG: That's too
14 generic.

15 MR. VAN HOUTEN: Okay.

16 CHAIRMAN HONIGBERG: That's too
17 generic.

18 MR. VAN HOUTEN: That's fine. That's
19 fine. No problem.

20 CHAIRMAN HONIGBERG: Don't give up so
21 fast. Are you asking about the area that's on
22 screen currently?

23 MR. VAN HOUTEN: Yes. Just that.

24 CHAIRMAN HONIGBERG: All right. And

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 they have just testified that the Project could
2 be built using the existing roads.

3 MR. VAN HOUTEN: There are no
4 existing roads.

5 CHAIRMAN HONIGBERG: Existing access
6 points. Because they're currently able to get
7 on the line now, somehow.

8 MR. VAN HOUTEN: There is an access
9 point. They're driving a skidder on it. You
10 can't drive a 4-wheel drive pickup truck
11 through it. So, you need to build a road where
12 there is no road now. That was just my point.
13 There's no road there now. They're going to
14 need to build a road.

15 CHAIRMAN HONIGBERG: That's your
16 opinion. They have just said that the Project
17 can be built using the existing access in this
18 area. So, if you have questions for them about
19 that, --

20 MR. VAN HOUTEN: Well, I just asked
21 them if they have visited that, and they said
22 "no". I have visited it. So, they're saying
23 it can be built with existing roads, I'm saying
24 it can't. And, so, we'll leave it there.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 We're just going to leave it there.

2 CHAIRMAN HONIGBERG: Yes. We're not
3 going to -- you're not going to argue with
4 them.

5 MR. VAN HOUTEN: No.

6 CHAIRMAN HONIGBERG: So, move on.

7 BY MR. VAN HOUTEN:

8 Q Well, we'll see where we get with this one.

9 Did you know that the Applicant claims that the
10 roads would be removed after construction, and
11 aside from the immediate area near the towers,
12 the land would be restored to its prior state?

13 A (Zysk) That's what they have stated, yes.

14 Q Okay. Can you give me a rough estimate of how
15 much it costs to build a road like this per
16 mile? Very rough, I mean?

17 A (Zysk) No.

18 Q Okay. Do you think it would cost about the
19 same amount to remove it and restore?

20 A (Zysk) I guess it depends on what goes into
21 restoring it. To remove gravel that's been
22 placed, probably not a whole lot of money,
23 relative to the construction. What goes into
24 the final restoration, whether there are

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 plantings, whether there's --

2 Q Right.

3 A (Zysk) -- whatever, that could add up
4 substantially, and it depends what's required
5 for them to do.

6 Q So, if it costs \$1,000 per mile to build one of
7 these roads, it would be reasonable to say --
8 or, would you agree that it might cost \$800 a
9 mile to remove and restore?

10 A (Zysk) It could.

11 Q It could be 500?

12 A (Zysk) It could.

13 Q Okay. Where would the used road material go?

14 A (Zysk) That's up to them. Whatever their
15 contractors choose to do with it.

16 Q Okay. Do you agree that it's possible that a
17 new road of this magnitude, in a location where
18 there is now none, could be an attractive
19 nuisance for joyriders and bring about a change
20 of use of the land?

21 A (Zysk) I believe that's been covered in
22 multiple testimonies and descriptions.

23 Q Okay. I haven't been here, so. Is it
24 customary to seek a landowner's permission

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 before building a road on their land?

2 A (Zysk) If you're building on somebody's
3 property, yes.

4 Q Okay. Is it my impression that staging areas
5 will not be sited on the existing corridor, is
6 this correct?

7 A (Zysk) I'm sorry, say again?

8 Q It is my impression that staging areas will not
9 be sited on the existing corridor, is this
10 correct?

11 A (Zysk) They have indicated what their
12 parameters for staging area is. Previously --

13 Q Right.

14 A (Zysk) -- used parcels of acceptable size and
15 whatnot.

16 Q In the area, okay. Can you tell me where the
17 staging areas that would serve construction of
18 this overhead portion would be?

19 A (Taylor) We can't.

20 Q You can't, okay.

21 A (Taylor) No.

22 Q And the same goes for the underground portion,
23 there will be a separate -- another staging
24 area for that, and you don't know where those

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 would be either, do you?

2 A (Taylor) The Applicant hasn't indicated staging
3 or storage areas beyond what's currently in
4 their Application. And I think our testimony
5 and report has indicated, without that
6 information from the Applicant, we wouldn't be
7 able to speak to it.

8 Q Right. Okay. Thanks. So, you sort of -- you
9 quickly noticed on the map that there was
10 possibly another alternate access. So, is it
11 possible that construction engineers would seek
12 alternate access points across private property
13 between 302 and the Ammonoosuc River?

14 A (Zysk) Certainly possible.

15 Q If alternate access roads were to be built to
16 enable the Project, would the SEC have any
17 jurisdiction over this?

18 A (Taylor) I think that's up to the SEC and what
19 their final order may be.

20 Q Okay. But you don't have any experience that
21 leads you to offer an opinion on that?

22 A (No verbal response).

23 Q Okay. Okay. So, new roads could bring about a
24 change of use if alternate access routes were

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 established for the purposes of construction
2 from the Brook Road, the Blaney Road --

3 *[Court reporter interruption.]*

4 MR. VAN HOUTEN: Sorry.

5 BY MR. VAN HOUTEN:

6 Q If alternative access routes were established
7 for the purposes of construction from the Brook
8 Road, Blaney Road, Cherry Valley Road, or
9 Prospect Streets, those are all adjacent to the
10 corridor there, within a half mile in general.
11 What impacts would you predict on the residents
12 of these areas or on the roads?

13 A (Taylor) Impacts from what?

14 Q Well, let's say that access road is build from
15 Cherry Valley, say it's two miles from Route
16 302, they find a great access point where they
17 can put a staging area, and get in, back and
18 forth. What impact would the construction
19 activity have on residents in the area?

20 A (Taylor) I would say it would, based on those
21 assumptions, it would be similar to what we
22 have outlined in our report and testimony;
23 noise, dust, construction traffic, etcetera.

24 Q Okay. All right. Any light?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Taylor) It's possible.

2 Q Do you know if any of the proposed towers would
3 be illuminated?

4 A (Taylor) I'm not aware of any illuminated
5 towers.

6 Q Not required, okay. All references I have seen
7 to tower height have been qualified as
8 "proposed". Is there any guarantee that
9 further engineering won't result in increased
10 height of the towers that are proposed there
11 now?

12 A (Taylor) I don't know.

13 Q Okay. So, --

14 A (Zysk) Based on the testimony I read, I believe
15 they discussed potential variances of up to
16 maybe five feet up or down from what's
17 proposed. But I got the sense that the tower
18 heights that are set are pretty much agreed
19 upon.

20 Q Okay. So, I've pointed out that we have a
21 four-mile corridor here that might be accessed
22 from that one point. Can you give me a rough
23 estimate of how long construction between Route
24 302 and the Ammonoosuc River would take?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Taylor) I don't know that we can go give you
2 that answer. That's really going to be
3 dependent on their contractor, their staging,
4 and how they choose to move along the line.

5 Q Okay. Did you review the plans for underground
6 construction on Route 302, between Miller Pond
7 and I-93?

8 A (Taylor) Yes. I've viewed the underground
9 plans.

10 Q All right. Can you give me an idea of road and
11 lane closure duration?

12 A (Taylor) For -- is there a specific area or a
13 specific map that you're referring to?

14 Q Between -- it's right there, between Route 302
15 and Route 18, where it turns. Just that little
16 stretch there, between the transition station
17 and Route 18.

18 A (Taylor) I don't recall the plan specifically.
19 But, generally speaking, they have maintenance
20 and traffic details that allow for one lane of
21 closure, which could happen in this case. I
22 would assume that it would, yes.

23 Q Okay. So, probably for one construction
24 season?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Taylor) Sure. That sounds reasonable.

2 Q Okay.

3 A (Taylor) If not less.

4 Q All right.

5 A (Bascom) And I believe the Applicant's
6 information most recently indicated they may
7 proceed 100 feet a day. So, based upon the
8 length of that segment, you could determine how
9 long that section would take to construct.

10 Q Okay. Great. Thank you. Do you know that
11 this is part of a major commercial route
12 between Portland, Maine, and Montreal, average
13 traffic of 6,000 vehicles a day?

14 A (Zysk) In general, yes.

15 Q Do you have any idea of what impact a lane
16 closure might have on the school bus schedule
17 serving the Profile High School?

18 A (Zysk) Immediately, no. They do need to
19 develop specific traffic plans for each region
20 or each location. I assume that they will take
21 school bus times into account.

22 Q Right. Is it possible that, during those
23 times, they might be able to open it back up to
24 two lanes?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Zysk) That would be dependent on the work
2 that's going on at that time.

3 Q How would partial closure of Route 302 affect
4 access to the overhead construction zone that
5 we've just pointed out here, from 302 to the
6 Ammonoosuc River, that whole stretch in there?

7 A (Zysk) Expand upon what you mean by "affected".

8 Q Well, there are basically three ways to get to
9 that spot. One is coming toward the east, on
10 Route 302, which may be closed some time, and
11 one is going west on 302 from town, and the
12 other one is coming up the Brook Road from the
13 Littleton area, which is the one that goes
14 here?

15 A (Bascom) The amount of time would depend on the
16 construction sequencing, which may or may not
17 be happening at the same, you know, scheduled
18 work season. So, for example, the underground
19 segment might be constructed during one work
20 season, and the overhead line segment might be
21 done during another season potentially.

22 Q Okay. Right.

23 A (Bascom) So, the sequencing of the work would
24 affect the amount of time and traffic and road

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 closures and so forth.

2 Q It sure would. But it would -- it seems like
3 this, if that was one of the parameters, that
4 this might extend the construction time of the
5 Project.

6 If I read the Application correctly, this
7 is also the proposed location of Transition
8 Station Number 5. Would staging and laydown
9 areas also be required for the construction of
10 this transition station?

11 A (Zysk) They will clear an area for the
12 transition station. I assume that they will
13 work within that cleared area.

14 Q Okay.

15 A (Zysk) I don't believe they have identified
16 additional laydown area above and beyond what
17 they've indicated as the footprint of the
18 transition station.

19 Q Thanks. And do you have any idea how long it
20 should take to build this transition station?

21 A (Zysk) I do not.

22 Q And I assume that there would also be traffic
23 going back and forth to this location to enable
24 construction of the station?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Zysk) Yes.

2 Q So, that traffic also is put on top of the two
3 other traffic problems we already are looking
4 at. Am I right?

5 A (Zysk) Yes.

6 Q Do you know that the lot that abuts the
7 proposed transition station is the site of a
8 proposed Hilton Hotel?

9 A (Zysk) I was not aware of that, no.

10 Q Do you know that the developer of this hotel
11 was horrified when he heard of the proposed
12 Northern Pass going right next to his lot, and
13 that he is trying to work out an alternative to
14 having the transition station being located
15 right there? Did you know that there has been
16 public discussion of relocating that transition
17 station?

18 MR. NEEDLEMAN: Objection. Misstates
19 the record.

20 CHAIRMAN HONIGBERG: You want to
21 object to the first question or the second
22 question? Or both?

23 MR. NEEDLEMAN: Well, the first, to
24 start.

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 CHAIRMAN HONIGBERG: Yes. The first
2 is a real problem.

3 MR. VAN HOUTEN: The first question
4 being?

5 CHAIRMAN HONIGBERG: Something about
6 what somebody said. The second one, the last
7 question you asked was "are you aware of
8 discussion about that?"

9 MR. VAN HOUTEN: Yes.

10 CHAIRMAN HONIGBERG: That question
11 you can ask. The second question you asked in
12 your last statement.

13 MR. VAN HOUTEN: Okay. All right.

14 BY MR. VAN HOUTEN:

15 Q Are you aware that there is discussion of
16 relocating the Transition Station Number 5?

17 A (Zysk) We've heard nothing regarding that.

18 Q Is it reasonable to expect that the Site
19 Evaluation Committee and the public would have
20 an opportunity for review of any such plans?

21 A (Zysk) I would expect they would, yes. You're
22 talking plans to relocate the transition --

23 Q Yes.

24 A (Zysk) Yes.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q Do you mean to say that any such plans should
2 be submitted before any decision is made by the
3 Site Evaluation Committee about this?

4 A (Bascom) I think the procedures of the Site
5 Evaluation Committee would apply. And I would
6 say we're probably not privy to the details of
7 those rules and requirements.

8 Q Okay. Thank you. Is it fair to say that the
9 combination of four large construction
10 projects, the perfect storm, might put an
11 unreasonable burden on the New Hampshire
12 citizens and visitors who live and use -- that
13 live in and use this area?

14 A (Zysk) If everything were to occur all at the
15 same time, that's quite possible.

16 MR. VAN HOUTEN: Thank you. I have
17 no further questions.

18 CHAIRMAN HONIGBERG: All right.
19 We're going to take a ten-minute break. Off
20 the record.

21 *(Recess taken at 10:22 a.m. and*
22 *hearing resumed at 10:36 a.m.)*

23 CHAIRMAN HONIGBERG: All right. Ms.
24 Menard, are you ready to go?

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 MS. MENARD: Yes. Thank you. Good
2 morning.

3 WITNESS BASCOM: Good morning.

4 MS. MENARD: Good morning, gentlemen.
5 My name is Jeanne Menard, and I'm from the
6 Deerfield Abutters. And I have some
7 construction questions for you. And I have one
8 follow-up question about noise from another
9 member of our group, Jo Anne Bradbury. And
10 then Bob has some construction sequencing
11 questions.

12 BY MS. MENARD:

13 Q Even though the Applicant indicates that the
14 Project can be designed in a 100-foot
15 right-of-way, it's unclear how it will be
16 constructed in a 100-foot right-of-way that has
17 a 15-foot tree buffer. So, I'd like to
18 introduce exhibit labeled Deerfield Abutter
19 152, has information regarding right-of-way
20 width needed for Northern Pass Transmission.
21 And this is a data request that came from the
22 PUC Staff in --

23 MS. MENARD: What is your question?

24 Oh, thank you.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

1 BY MS. MENARD:

2 Q So, this is a data request that came from the
3 PUC Staff in Docket Number DE 15-464, and that
4 has to do with the NPT lease. And it was
5 responded to by Eversource engineer Robert
6 Andrew.

7 Would you agree that the question asked
8 what is the minimum right-of-way width that
9 would be needed to accommodate a 115 kV line,
10 that's the G146 line, and Northern Pass
11 Transmission? Would you agree that that's the
12 question, the nature of this inquiry?

13 A (Zysk) That's what it appears to be, yes.

14 Q And it's because the answer states "the
15 necessary right-of-way widths are 150 feet or
16 200 feet", I'd like to ask you some clarifying
17 questions. And I'll represent to you that, in
18 the western part of Deerfield, the right-of-way
19 is 150 feet, and that, once you hit Deerfield
20 Center area and then move to the east towards
21 the substation, the right-of-way is 200 feet,
22 and it's comprised of two 100-foot easements.

23 So, I understand from earlier testimony
24 that the National Electric Safety Codes deals

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 with the industry clearances of electrical
2 conductors. Is there a standard that deals
3 with industry setbacks for structures from the
4 edge of a right-of-way?

5 A (Bascom) My area of expertise is underground
6 cables, but I'm not aware of one specifically
7 related to clearances for overhead lines in the
8 right-of-way width.

9 Q So, all the standards are regulating what
10 happens with the wires, wires to wires or wires
11 to edge of right-of-way?

12 A (Bascom) Generally speaking, wires, in terms of
13 clearance to the ground and adjacent wires, as
14 well as approach distances for trained and
15 untrained workers in the vicinity of those
16 lines.

17 Q Do those standards have a name?

18 A (Bascom) Again, it's not my area of expertise.
19 So, I can't speak to overhead line design.

20 Q Okay. Anyone on the panel?

21 A (Taylor) No.

22 Q Okay. So, I'd like to take a look at
23 Applicant's Exhibit 68117, and this is Sheet
24 179, from my sister-in-law's property, 65

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Nottingham Road. So, if you look at the two
2 structures, and maybe Bob would be willing to
3 point to Structure 3132-304. This is a
4 135-foot lattice tower. And also Pole Number
5 3132, which is 305, that's a 120-foot lattice
6 structure. Do you have an opinion as to what a
7 typical setback for a 345 kV structure, like
8 the Northern Pass towers, would be from the
9 edge of the right-of-way? What do you
10 typically see in design plans?

11 A (Zysk) I'm not intimately familiar with setback
12 requirements for this sort of thing. I know
13 they typically try to center a single line in
14 the right-of-way. But they -- I'm sure they
15 have set these according to the required
16 separation distances. And different voltages
17 have different setback -- or, different
18 separation distances requirements.

19 Q So, just to clarify, your earlier statement was
20 that "typically, lines are put in the middle of
21 the right-of-way", as evidenced by the first
22 easement has the existing kV line is sitting
23 right in the middle of the 100-foot
24 right-of-way. And then the second 100-foot

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 right-of-way similarly has the structures
2 sitting in the middle of the right-of-way,
3 correct?

4 A (Zysk) Yes.

5 Q Thank you. Mr. Johnson testified on June 1st
6 of this year, on Page 62, Line 11, that the
7 bases are -- the bases of the towers are 30
8 feet from post to post. Do you have an
9 opinion, in terms of does that, the size of the
10 tower base, does that sound right to you, in
11 terms of 30 by 30? Is that something typical
12 that you would see for these types of
13 structures?

14 A (Zysk) It's reasonable, yes.

15 Q Okay. Thank you. So, I'd like to take a look
16 at Applicant's Exhibit 67708. And this is from
17 the Alteration of Terrain plans from the DES.
18 This is Sheet Number 340. Can you confirm for
19 me whether or not the crane pads for poles
20 3132-304 and 305 are located in the 15-foot
21 tree buffer zone? Which is -- the tree buffer
22 zone is on the south side of the right-of-way.
23 And I may not have made that clear for you when
24 I'm referring to the 15-foot tree buffer. Do

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 you need clarification as to where that is
2 located?

3 A (Taylor) Yes, please.

4 Q These maps are oriented correctly north to
5 south. And, on the southern edge of my
6 family's property, from the pond that you can
7 see in this exhibit, to the -- heading east,
8 there's a 15-foot vegetative buffer.

9 So, does -- my question to you
10 specifically is, does it appear to you that the
11 crane pads are sited right on the edge of the
12 right-of-way?

13 A (Taylor) Yes.

14 Q Thank you. So, even though the maps are the
15 most current SEC submission, the plans would
16 require clearing the buffer in order to
17 construct as designed. Would you agree with
18 that?

19 A (Taylor) That's correct.

20 Q Near pole 304, and this is the pole that is
21 right on the -- right nearest the pond, there's
22 a knob of ledge. So, if this is true, and
23 Northern Pass had to blast to construct the
24 crane pad or in any way construct the tower,

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 what would blasting do to a mature tree buffer?

2 A (Taylor) Well, if you were blasting and
3 disturbing where the trees sit, the root zone,
4 they wouldn't survive.

5 Q Are blasting protocols near ponds clearly
6 identified in the Application?

7 A (Taylor) I'm not aware of any location where
8 blasting is called out on the plans.

9 Q I'm sorry, I didn't understand the last part?

10 A (Taylor) I'm not aware of any location on the
11 plans where blasting is specifically called
12 out.

13 Q Okay.

14 A (Zysk) Other than a couple of the transition
15 stations.

16 Q What would happen if, in order to dig -- in
17 order to construct this tower, and we actually
18 have the elevation plan, if that would help
19 better. Why don't we put that up. I don't
20 know if that will provide enough information
21 for you. The very last page, Bob, of that
22 whole set.

23 So, the question is, in order -- you can
24 see that there's some elevation, and so they're

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 dealing with elevation, as well as ledge. And,
2 in order to set the poles for this tower, if
3 they did have to blast, where -- obvious -- you
4 say that the plans don't call for it. So, that
5 would not be a surprise to a landowner that, if
6 there is blasting on this Project, it's been
7 identified, and I don't have to worry about
8 blasting, if it's not called out, as you say?

9 A (Taylor) I wouldn't characterize my statement
10 that way. I indicated I'm not aware on the
11 plans specifically where blasting is called out
12 relative to the overhead transmission line, to
13 clarify. But I believe the Applicant has
14 testified previously that they would, as they
15 identify where blasting is needed, they would
16 prepare, essentially, a blasting plan and
17 review pre and post conditions as appropriate.

18 Q And when would those plans generally be
19 created? Would they be in existence now or is
20 each project different, so they may not be
21 created right now?

22 A (Taylor) I would say each project can be
23 different. And I'm not aware that they have
24 been prepared, the blasting plan, at this time.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q Okay. Thank you. I'd like to look at Sheet
2 179, this is Applicants 68116. And this came
3 from the supplemental map set from August. And
4 the highlighted yellow line is something that I
5 estimated and put in, just to represent the
6 middle of the right-of-way. So, it's intended
7 on being, if you can visualize and imagine,
8 that it's the 100-foot easement boundary
9 between the two rights-of-way. And, from the
10 detail that is in the bottom of the -- below
11 the towers, you can see that the relocated 115
12 kV line is going to be placed at 78 feet 6
13 inches from the edge of the right-of-way.
14 Would you agree with that, if you just add up
15 to two numbers down at the bottom?

16 A (Taylor) I'll accept that.

17 Q Okay. And, if the conductor arm reaches out 10
18 feet, then that puts the conductor at 11 feet 6
19 inches from the edge of the 100-foot easement.
20 Does that sound about right?

21 A (Taylor) I'll accept that.

22 Q So, my question is, clearly, that conductor has
23 plenty of room between that, the relocated pole
24 and the existing pole that is sitting to the

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 right in the northern easement, correct? So,
2 there's no conductor concerns here at all.
3 Would you agree with that?

4 A (Taylor) That's correct.

5 Q So, specifically, what I was hoping you could
6 answer is, is 11-foot 6 sufficient clearance so
7 that it's not going to impede across or in any
8 way cross that imaginary 100-foot line?

9 MR. NEEDLEMAN: Objection, Mr. Chair.
10 There's nothing new or different here. Nothing
11 has changed. This is just adding to existing
12 testimony.

13 CHAIRMAN HONIGBERG: Ms. Menard.

14 MS. MENARD: May I ask Mr. Needleman
15 to repeat the reason for his objection?

16 CHAIRMAN HONIGBERG: Sure. He'd be
17 happy to.

18 MS. MENARD: My hearing is not the
19 best. So, I would appreciate you repeating.

20 MR. NEEDLEMAN: Sorry. I was saying
21 that there is nothing new or different here.
22 All of this information was available to the
23 witnesses at the time that they prepared all
24 their testimony. And, if they wanted to speak

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 to this, they could have and should have.

2 MS. MENARD: I'm not sure that the
3 witnesses would have knowledge of specific
4 landowner concerns. And clearances, one of the
5 big pending issues here is "does Northern Pass
6 Transmission fit into this right-of-way?" And
7 it seems to me that that's a very -- it might
8 be, it may not be, but it might be a pretty
9 basic question that they could answer, and I
10 can let this question go.

11 CHAIRMAN HONIGBERG: It may well be.
12 I'm not sure, though, that the first part of
13 what you said helps you. But can you restate
14 the question for me please? I'm not asking you
15 to rephrase it. I just have lost what the
16 specific question was, because I'm not sure
17 that the argument you made fit the question.

18 MS. MENARD: Okay. My specific
19 question is, whether 11 feet 6 inches is a
20 standard clearance for a 115 kV line to not be
21 encroaching, if you will, or crossing a
22 boundary? And we don't have a bridge or a row
23 of trees or anything outside the specific
24 boundary, but we do have a deed boundary. We

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 have a boundary that --

2 CHAIRMAN HONIGBERG: I just want the
3 question.

4 MS. MENARD: So, is 11 feet --

5 CHAIRMAN HONIGBERG: I just want the
6 question.

7 MS. MENARD: Thank you. Is 11 feet 6
8 inches sufficient clearance for this conductor
9 to fit in the 100-foot easement?

10 CHAIRMAN HONIGBERG: Overruled. You
11 can answer.

12 **BY THE WITNESS:**

13 A (Taylor) I don't know, is the short answer. We
14 did not review the electrical overhead design
15 specifically as a part of our Construction
16 panel review.

17 BY MS. MENARD:

18 Q Okay. Thank you. I didn't realize that. So,
19 Mr. Quinlan referred to this line, the Northern
20 Pass Transmission, and he was using this as a
21 characterization more for a visual, not in any
22 way technical. So, before there's any
23 objections, I just wanted to put that out
24 there.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 But it's a nice way to think about this
2 question that I'm about to ask you. Could
3 these towers be reconfigured, and this is a
4 follow-up actually to Mr. Van Houten's
5 question, could these towers be reconfigured,
6 once they are constructed, to add more
7 conductors? So, if you look at this schematic,
8 is there anything apparent that would cause one
9 to think that, you know, another line could
10 come in in five years or ten years or whenever,
11 on this structure?

12 A (Bascom) Generally speaking, the electrical
13 design in the permitted space would be
14 something that would have to be evaluated as a
15 separate process. So, based upon the layout
16 that's been offered as a conceptual
17 configuration would require further evaluation.
18 And I don't think that we can speak to
19 specifically modifications that might -- might
20 or might not be offered in the future.

21 Q Do you see -- I mean, is one of the features of
22 this style of structure is it that it can be
23 modified easily, without having to do a
24 complete line rebuild?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Bascom) As I mentioned, you know, my
2 background specifically is not related to
3 overhead line design. But I don't know that we
4 can speak to how this proposed conceptual
5 layout could or could not be modified. So, I
6 think the answer is, we just don't know.

7 Q Okay. Thank you. Are the 345 kV towers, are
8 they taller than they need to be as far as
9 horizontal clearances?

10 A (Taylor) Again, I would state that we don't
11 know, because we have not reviewed the
12 electrical design specifically about the
13 overhead, which is where I think that answer
14 would reside.

15 Q Okay. Thank you. So, that's all the questions
16 that I have. But I do have a question about
17 noise. And just to take a look at Applicants
18 68113. This is a section of Deerfield in the
19 center that a lot of us are familiar with.
20 And, with respect to construction noise, do you
21 agree that construction noise may be
22 problematic for residents of Sherburne Woods,
23 in Deerfield? And this is a senior housing
24 community, where the proposed 345 kV line will

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 be extremely close to the housing development.

2 MR. NEEDLEMAN: Objection, Mr. Chair.

3 Exactly the sort of testimony that was already

4 addressed on this issue and could have and

5 should have been addressed.

6 CHAIRMAN HONIGBERG: Ms. Menard.

7 BY MS. MENARD:

8 Q What about fumes and smells from diesel-powered
9 equipment near the homes for twelve hours a
10 day, six days a week, do you see that as being
11 an issue?

12 MR. NEEDLEMAN: Same objection.

13 CHAIRMAN HONIGBERG: Ms. Menard.

14 MS. MENARD: Well, if it has been
15 addressed in their previous testimony, I think
16 that --

17 CHAIRMAN HONIGBERG: Well, it may not
18 have been. The objection is that, if this was
19 an opinion that these witnesses had, Counsel
20 for the Public was free to have them offer it,
21 and, for whatever reason, chose not to.

22 MS. MENARD: Their opinion was
23 offered yesterday, and that's actually what
24 prompted the question. So, --

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 CHAIRMAN HONIGBERG: Do you have a
2 question that's following up or seeking to
3 clarify something that they said yesterday?

4 MS. MENARD: No. Just in terms of
5 the level of activity and the density of
6 housing in this area, would they have an
7 opinion as to whether that is -- would noise
8 and fumes would be a concern to that
9 development? That was the question. So,
10 that's --

11 CHAIRMAN HONIGBERG: I didn't quite
12 hear the question that way. But it sounds like
13 what you're doing is following up on questions
14 I think Ms. Pacik asked, about what would
15 happen in Concord, is that --

16 MS. MENARD: Correct. That is
17 correct.

18 CHAIRMAN HONIGBERG: All right. You
19 can ask that.

20 BY MS. MENARD:

21 Q Do you have an opinion, gentlemen, regarding
22 noise?

23 A (Zysk) There will certainly be -- to clarify it
24 as a concern, again, as I discussed yesterday,

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 it's relative. But, given the proximity of
2 those residences to the proposed work, I'm sure
3 they will experience increased noise levels,
4 potentially some dust. Diesel fumes, maybe,
5 depending on which way the wind's blowing.

6 MS. MENARD: Thank you. That's all I
7 have.

8 CHAIRMAN HONIGBERG: I understand,
9 Mr. Cote, you have a few additional questions?

10 MR. COTE: Yes. And I'll work from
11 back there.

12 CHAIRMAN HONIGBERG: Wherever you
13 want.

14 MR. COTE: Good morning. Bob Cote,
15 with the Deerfield Abutters. And I have -- my
16 questions are follow-ups to testimony from
17 Mr. Bowes.

18 BY MR. COTE:

19 Q But, just to give you a little bit of
20 background, it's going to be relating to
21 construction in wetland areas. And, in
22 particular, I'm using this one in Deerfield,
23 and I know there are several others. So, the
24 questions, I think, are -- apply along the

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 whole route of the Project. It's just that I'm
2 a little more familiar with this area than
3 others.

4 So, this is the transcript of Day 12, and
5 it was Mr. Bowes. And the topic was
6 construction sequencing in a wetland area. So,
7 for this project, there's multiple stages of
8 activity that need to occur. The existing 115
9 kV line needs to be -- the new line needs to be
10 built, then the existing line needs to be
11 deconstructed, and then the new 345 kV line
12 installed. So, the discussion with Mr. Bowes
13 was over what kind of a time frame that work
14 would take place. So, you see the highlight
15 here is the question. And the response was
16 "two construction seasons possibly".

17 So, what I'm asking you is, in your
18 experience in a wetland area, is that about
19 what you would expect?

20 A (Zysk) And a little more specific, as far as
21 duration of construction or --

22 Q Well, I guess the question is really, how long
23 of a time period do you think would be expected
24 for construction activity to be taking place in

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 an area like this? So, the concern is the
2 disturbance to the wetlands. And it seems like
3 it would make a difference whether the work
4 were all completed in 30 to 60 days, or whether
5 that wetland is going to be disturbed for, or
6 any wetland, is going to be disturbed for maybe
7 a two-year time frame, if it starts at the
8 beginning of one construction season and then
9 ends at the end of the next.

10 So, can you visualize the multiple
11 activities that are taking place and, you know,
12 based on your experience, offer an opinion of
13 how long it would take to do that work?

14 A (Zysk) The testimony that was issued, "between
15 30 and 60 day time frame", is not unreasonable
16 to construct a foundation and a tower in a
17 wetland like this.

18 Q But the point was, over the whole transition of
19 the Project, from building the new 115 kV line,
20 deconstructing the existing one [115?] kV line,
21 and then restructuring the 345, the new
22 Northern Pass line, that whole entire sequence
23 of activities you think would take place in 30
24 to 60 days?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 MR. NEEDLEMAN: Objection. It's not
2 clear to me that the testimony represented all
3 of that. It may have. I just don't think that
4 it's clear.

5 CHAIRMAN HONIGBERG: Mr. Cote.

6 MR. COTE: I do believe that the
7 testimony did say that. We can bring it back
8 up.

9 You can see here in the middle,
10 first, they do say "30 to 60 days total
11 construction time". But, then, on the next
12 page, they do say that the actual time frame
13 "could be up to two construction seasons".

14 CHAIRMAN HONIGBERG: Mr. Needleman.

15 MR. NEEDLEMAN: Well, I think that
16 was my point. It wasn't limited to "30 to 60
17 days".

18 CHAIRMAN HONIGBERG: Mr. Cote, you
19 want to try and rephrase the question.

20 BY MR. COTE:

21 Q Well, do you agree that two construction
22 seasons is a possibility for the activity at a
23 wetland like this?

24 A (Zysk) It's certainly possible. Based on how

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 they -- how they stage the work. The "30 to 60
2 days" is total impact, work days at a specific
3 site. But, as explained in the testimony, it
4 won't be all at one time. They will be working
5 in several phases through the area, being to --
6 to build things, to demo, certain other items,
7 and then to bring the lines in.

8 Q There was an additional discussion during that
9 testimony about summer versus winter work in a
10 wetland. Do you -- and I'm not sure that we
11 received a definitive answer as to when the
12 work would actually take place. Do you have an
13 opinion on what would be the preferred time
14 frame for the work to take place in a wetland?

15 A (Zysk) There are several factors that go into
16 that. One would be the size of the wetland.
17 The concept of working on them during the
18 winter, when they're frozen solid, to decrease
19 the impact to the wetland is certainly --
20 certainly seems to be a good idea, if allowed.
21 A larger wetland may not completely freeze to
22 the point where it can sustain -- or, to
23 accommodate the large vehicles that may be
24 required. So, they may be forced to work in a

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 different season.

2 Q The part of the testimony, part of that
3 discussion with Mr. Bowes, dealt with the
4 question of a beaver lodge, which you can see
5 right about in the center of this image, which
6 is pretty close to one of the proposed
7 locations for the relocated 115 kV line. It
8 would be right in the construction pad.

9 From your experience with construction
10 activities, when would a decision be made about
11 how to deal with a feature like that, relative
12 to the construction work?

13 I can show you a different exhibit that
14 relates to that. And this is from the
15 transcript of Day 12 with Mr. Bowes. And you
16 can see in the center, the question was "when
17 would a decision be made about reconfiguring
18 the work in that area?" And the response was
19 "Probably right during the construction phase."

20 Would you say that's an appropriate time
21 frame to decide when to manage the beaver
22 population in that area?

23 A (Zysk) Sometimes that depends on I would call
24 "local knowledge". If a beaver habitat is

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 constructed during the year, and then is
2 destroyed during the winter, either by storms
3 or other methods, that would probably be a
4 construction thing. If it's something that's
5 been there long term, it probably should be
6 addressed during the design phase, if it's
7 going to be an impact to the design.

8 Q And, in your experience, I mean, I assume that
9 environmental consultants would be involved,
10 but who would make the final decision? I mean,
11 with consideration of constructability and
12 practicality, would the -- do the environmental
13 consultants have the final say or is it the
14 contractor who has the final say about how
15 this, a situation like this, would be managed?

16 A (Zysk) If it falls within -- in my experience,
17 if it falls within a right-of-way of a public
18 road, typically, the DOT and the environmental
19 staff within the DOT would have that decision.
20 If it's outside of a public road right-of-way,
21 then, typically, maybe your DES, your
22 environmental people for the state would have
23 that determination.

24 Q This is my last question. In your experience,

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 what measures would be typically applied to
2 minimize wetland impacts due to the multiple
3 stages of construction in areas like this? So,
4 specifically, for example, if there were
5 matting, temporary matting put down, would you
6 expect that, if there's going to be a six-month
7 lapse in construction between one phase and the
8 next of the Project, that that matting would be
9 removed between phases of construction?

10 A (Zysk) That's driven by the permit
11 requirements, but -- and also potentially the
12 size, and maybe -- I know wetland are sometimes
13 classified by quality of wetland, depending on
14 that. But, if it was going to be a long-term
15 duration where there was going to be no
16 activity through there, I would expect the mats
17 would be removed.

18 Q Have you encountered a project like -- with a
19 scenario like this before, where there's
20 repeated work or repeated multiple stages in a
21 wetland and that you can like direct these? Is
22 there a standard protocol?

23 A (Zysk) Not that I'm aware of.

24 MR. COTE: Okay. Thank you. I have

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 no further questions.

2 CHAIRMAN HONIGBERG: I don't see
3 Ms. Schibanoff here, although I'm told that Ms.
4 Pastoriza is in a position to ask
5 Ms. Schibanoff's questions for her. Is there
6 any objection to that?

7 I see some shaking heads. That's
8 always encouraging.

9 MR. COTE: Dawn, okay, thank you. We
10 want to keep Apple TV on. Thank you.

11 MS. PASTORIZA: So, I'm asking -- is
12 that on?

13 CHAIRMAN HONIGBERG: Barely.

14 MS. PASTORIZA: I'm asking questions
15 for Susan Schibanoff, who's in the Non-Abutters
16 Group for the Central portion.

17 BY MS. PASTORIZA:

18 Q This is NAPO-BP Number 58. This is the Gale
19 River Motel, on Route 18, in Franconia. If you
20 assume that the distance between the maple tree
21 on the right and maple tree on the left, and
22 the sign on the right is 35 feet, that the
23 maple tree is 7 feet off the pavement, and the
24 entry hatch to the septic system is 9 feet off

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 the pavement, how would trenching be done
2 through this section?

3 A (Taylor) So, one thing that comes to mind is,
4 one, making sure that the septic is located and
5 shown on the plans, and that can be done
6 through a form of designating, locate it in the
7 field, field survey it. That jumps out. I'm
8 trying to get my orientation. So, the previous
9 picture, we would be looking to the left, is
10 that correct, on this image?

11 Q Yup.

12 A (Taylor) Okay. So, your question was "how
13 would this be constructed, the open trench?"

14 Q Within the limitations of that 35 feet.

15 A (Taylor) Sure. Well, as it's currently laid
16 out, and the Applicants indicated they can and
17 will use any space within the right-of-way, I
18 would presume that, relative to the maple tree,
19 they would construct right along and past it,
20 and to the extent that there was roots in
21 there, that would be impacted.

22 Relative to the septic, you've indicated
23 it's about 9 feet away for the hatch. I'm not
24 clear as whether that would be the septic field

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 itself up that close, or just the septic hatch
2 and box. So, it's possible that there could be
3 room and separation between the existing septic
4 and the trench.

5 But I would go back to my original
6 statement of, if it's that close, probably it's
7 warranted to more field investigation.

8 Q So, would the tree need to be removed?

9 A (Taylor) Hard to say, given that size tree.
10 I've seen trees that are very close to open
11 trench, and they do just fine. And I've seen
12 other trees that are further away than that. I
13 think it has to do, based on my experience,
14 with where the structural root zones of the
15 tree are, and then how much of the critical
16 root zone would be impacted as the trenching
17 operation goes by.

18 Q And, if you assume the 35 feet or maybe even a
19 two rod width here, in regards to trench
20 placement, could a 15-foot area over the trench
21 be kept clear of growth, as the Applicant has
22 stated is necessary, without trespassing on
23 private property with that clearing?

24 A (Taylor) I'm not sure I fully understand the

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 question with your assumptions.

2 Q The Applicant has stated that 15 feet over the
3 trench needs to be kept clear of growth,
4 because that -- the roots could work their way
5 down and interfere with the integrity of the
6 cables.

7 So, the question is, given where the
8 trench would be, in the two-rod right-of-way,
9 could you keep 15 feet over it clear without
10 going outside the right-of-way?

11 A (Taylor) Based on the alignment that I see
12 here, I would say it's certainly possible.

13 Q And can you explain why the granite monument in
14 this diagram was not held?

15 A (Taylor) I couldn't speak to that.

16 Q And might an HDD be used in this area?

17 A (Taylor) One isn't shown, but certainly an
18 option.

19 Q So, this is a letter from the owner of the Gale
20 River Motel, to Northern Pass, after a site
21 visit. If you accept that Northern Pass did
22 not know of the existence of the septic tank at
23 this location until the property owner reached
24 out to Northern Pass last week, would it have

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 been a good idea for Northern Pass to contact
2 all property owners to find out about the
3 existence of such underground obstructions,
4 such as Mr. Johnson's septic system, before
5 they planned the underground route?

6 A (Taylor) That seems like a reasonable --
7 reasonable approach.

8 MS. PASTORIZA: That's all. Thank
9 you.

10 CHAIRMAN HONIGBERG: Ms. Crane.

11 MS. CRANE: Okay. Am I on? In every
12 way, okay. Well, no, maybe not. I am
13 Charlotte Crane. I am a member of the Ashland
14 to Deerfield Non-Abutters. And I have a few
15 specific questions for you.

16 BY MS. CRANE:

17 Q And I guess I'll start with, do any of you
18 recall any mention of the particular problems
19 that might be presented when trenching or
20 transition stations or towers are proximate to
21 active railroad tracks?

22 A (Taylor) Are you referring to just general
23 testimony by the Applicant?

24 Q Anything that you -- anything that was brought

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 to your attention in the course of your
2 preparation, for your reports or for your
3 testimony today?

4 A (Taylor) Sure. So, relative to our report, we
5 did observe railroads in proximity to some of
6 the -- certainly, the underground location.

7 Q Okay. So, the map that I believe we are all
8 looking at, which is Page 1 of what will be
9 marked as "Ashland to Deerfield Non-Abutters
10 58" [AD-N-ABTR 58], I believe, are you familiar
11 with this stretch of Route 3? It is where the
12 underground portion ends and Transition Station
13 6 will be located?

14 A (Taylor) Yes.

15 A (Zysk) Yes.

16 Q Okay. And this is that same view, or roughly
17 the same view, from Google Earth, the aerial
18 photograph. And do you see where on this,
19 which is Page 2 of what will be Exhibit 58,
20 where John Jenness Road crosses the Daniel
21 Webster Highway, otherwise known as "Route 3"?

22 A (Taylor) Yes.

23 Q And are you familiar with where the Transition
24 Station Number 6 is going to be located?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Taylor) Yes.

2 Q And roughly where on this map or on this
3 picture?

4 A (Taylor) If I have my orientation correct, it
5 would be south of the intersection of John
6 Jenness Road and Route 3, in the area, I
7 believe it's somewhat of an open area within
8 that wedge, leading up to where the grove of
9 trees are located.

10 Q Okay. And does the yellow marked on this Page
11 3 suggest that same area? This is from the
12 Bridgewater town tax maps.

13 A (Zysk) Appears to be the same general area,
14 yes.

15 Q It appears to be the same general area. And
16 can you tell me what the relationship between
17 the property highlighted as "Tax Lot 19" on
18 this particular map is, to what is marked, at
19 least as we can see it, "Boston Maine" on this?

20 A (Taylor) Sure. The area labeled as "Boston
21 Maine", which is immediately adjacent to the
22 highlighted yellow area, is where there are
23 railroad tracks, if I recall correctly.

24 Q Okay. And is it customary to notify adjacent

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 property owners, when doing things like
2 building transition stations, in your
3 experience? Whether they're railroads, whether
4 they're anything, is it customary? Is it
5 required to --

6 A (Zysk) It's customary to notify the abutters,
7 yes.

8 Q Okay. And are you aware, with respect to this
9 particular Project, whether it would be
10 required?

11 A (Zysk) I'm not aware of any requirement of
12 that.

13 Q Okay. Are you aware of who now owns the
14 property identified on this tax map as the
15 "Boston & Maine Railroad"?

16 A (Zysk) Who owns the railroad property?

17 Q Uh-huh.

18 A (Zysk) No, we're not.

19 Q Okay. And this is an excerpt from the "New
20 Hampshire State Rail Plan" that was prepared in
21 2001. It is Page 33. It is describing the
22 Concord-to-Lincoln line. Will you accept that
23 this document is what I purport it to be?

24 A (Taylor) I'll accept that.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q And, if you could begin reading -- well, I'll
2 read for you, because it's kind of -- but let
3 me know if I'm reading to fast or you
4 disagree -- what I'm saying disagrees with what
5 you can read.

6 "The Concord-Lincoln line, which runs the
7 73 miles" --

8 CHAIRMAN HONIGBERG: Slow down a
9 little.

10 MS. CRANE: Thank you.

11 BY MS. CRANE:

12 Q -- "between Concord and Lincoln is owned by the
13 State of New Hampshire. Two tourist services
14 and one freight railroad operate over this
15 line. The tourist services, both operated by
16 Plymouth & Lincoln Railroad, are the Hobo
17 Railroad operating out of Lincoln and the
18 Winnepesaukee Scenic Railroad operating out of
19 Meredith."

20 Is that consistent with what the text
21 seems to say here?

22 A (Taylor) It is.

23 Q Thank you. And this is -- unfortunately, I
24 don't have all of the identification for this,

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 but it purports to be "Northern Pass
2 Transmission Development Site Abutters
3 Notification List". And can you find the cells
4 that relate to Transition Station 6, which is
5 labeled "TS6" here?

6 A (Zysk) Yes.

7 Q And can you find the third row there?

8 A (Zysk) Yes.

9 Q And what does it say?

10 A (Zysk) Let's see. "5804.02", "Boscawen & Maine
11 Railroad", "Off Route 3", in "Bridgewater",
12 "Map 202, "Block 11", mailing address "High
13 Street - Iron Horse Park, North Billerica,
14 Mass", zip code "01862".

15 Q And, if you were advising a construction
16 project, and these two documents had come to
17 your attention, would you urge the contractor
18 you were advising to proceed or not, based --

19 MR. NEEDLEMAN: Objection. I didn't
20 know you weren't finished.

21 CHAIRMAN HONIGBERG: Yes. It sounded
22 like you had more to say. Finish the question.

23 BY MS. CRANE:

24 Q -- based on the information contained in these

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 last two documents?

2 CHAIRMAN HONIGBERG: Now,
3 Mr. Needleman.

4 MR. NEEDLEMAN: Now I'm objecting.
5 Everything up to this point has just been
6 recitation of facts. She's now asking for an
7 opinion that could have and should have been
8 given, since there's no new information here.

9 CHAIRMAN HONIGBERG: Ms. Crane.

10 MS. CRANE: If the Committee isn't
11 interested in new information that relates to
12 the State not having been notified, my next
13 question was, given this chart, would it
14 surprise you that the person that I talked to
15 at the Department of Transportation Rails
16 Division was unaware that there was any
17 involvement of the property over which he is
18 responsible for planning, with respect to the
19 Northern Pass Project?

20 MR. NEEDLEMAN: And it would be the
21 same objection.

22 CHAIRMAN HONIGBERG: Ms. Crane.

23 MS. CRANE: This information may have
24 always have been there. But I assure you that

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 it has not been easy to put together the puzzle
2 here. And, therefore, this is new to me as of
3 last week. I don't know whether it's new to
4 the Committee. I don't know whether it's new
5 to Northern Pass's own experts, given that at
6 the time that this chart was prepared, the
7 ownership was not accurately described.

8 CHAIRMAN HONIGBERG: Right now you're
9 talking to Counsel for the Public's experts on
10 construction. And I'm -- still not entirely
11 clear to me what it is you want to know from
12 them. Do they have -- would they have advised
13 a client to go forward if they had seen a
14 document like this?

15 MS. CRANE: These two documents
16 together, yes.

17 CHAIRMAN HONIGBERG: These two
18 documents. I'll allow them to answer that.

19 **BY THE WITNESS:**

20 A (Taylor) Sure. Based on the two documents that
21 you've shown, there's nothing there that would
22 lead me to believe we would advise a client to
23 not move forward.

24 BY MS. CRANE:

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q So, the lack of notification to the abutting
2 owner would not trouble you?

3 A (Taylor) I'm not saying that. But, based on
4 these two documents, I don't have enough
5 information to glean where the mailing address
6 came from. It's not atypical, when we see tax
7 map information, and the mailing address to be
8 separate from who, one or many levels down of
9 the ownership may be versus who's using it, and
10 who may be listed in documents.

11 Q Yes. We're all lacking information here.
12 Thank you. I do have one more line of
13 questions.

14 This is the same track a few miles north,
15 Daniel Webster Highway/Route 3 is depicted, and
16 the Pemigewasset River and the railroad tracks.
17 And this is a view, I am afraid I can't
18 identify specifically which footage this is,
19 this was taken from the railroad as it went by.
20 Do you see any particular challenges to laying
21 the underground line along this section of
22 Route 3, given the proximity of those railroad
23 tracks and the topography here?

24 A (Taylor) Sure. May I ask, where is this along

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 the route, if you know?

2 Q This is immediately south of Plymouth.

3 A (Taylor) Okay. This looks familiar to me. I
4 believe I've walked this area, along the tracks
5 and this particular retaining wall.

6 So, to answer your question, if the
7 construction were towards the side of the
8 railroad tracks, the guardrail, and the
9 retaining wall, there would have to be some
10 sensitivity to the construction of that
11 retaining wall and its disposition. I'll say I
12 believe there is an exemption that was put in
13 for this area, which proposes the underground
14 line to be located on the opposite side of
15 this, the right-of-way.

16 Q Where it's nice and flat, according to this
17 picture?

18 A (Taylor) I wouldn't characterize that as
19 "flat".

20 Q You would characterize it how then?

21 A (Taylor) There's some steep topography as you
22 get outside the travel lanes.

23 MS. CRANE: That's all my questions.

24 CHAIRMAN HONIGBERG: Ms. Draper.

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 MS. DRAPER: Well, good morning. I'm
2 Gretchen Draper. And this is Max Stamp on the
3 ELMO. And we are two of the representatives
4 from the Pemigewasset River Local Advisory
5 Committee. And today we'd like to talk quite a
6 bit about "best management practices", which
7 you've addressed in your prefiled testimony and
8 your supplemental testimony.

9 BY MS. DRAPER:

10 Q I'd like to start with asking you about what
11 New Hampshire-based manual -- construction
12 manuals did you review when you were preparing
13 this report?

14 A (Zysk) I don't remember the exact title off the
15 top of my head, but there are several manuals
16 in the -- I want to say, maybe it's the New
17 Hampshire Storm Water Manual, there were
18 several manuals.

19 Q Uh-huh. Yes. I was thinking of the Storm
20 Water Pollution Prevention Plan Draft, also
21 there's a Best Management Practices Manual for
22 Utility Maintenance, that comes from New
23 Hampshire DRED.

24 A (Zysk) Uh-huh.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q And then there's the New Hampshire Storm Water
2 Manual.

3 A (Zysk) Right.

4 Q Those seem to be the three. Is there anything
5 else you reviewed that you would add to that or
6 does that pretty much cover it?

7 A (Zysk) As far as state manuals. We've also
8 reviewed, obviously, the Applicants' plans and
9 documentation.

10 Q Yes. Right. And do they have a document that
11 goes to best management practices?

12 A (Zysk) One of the permit -- several of the
13 permit applications describe them in detail.

14 Q Right. Okay. Thank you. Now, I think we'll
15 start with the best management practices. And
16 just to let you know what it looks like here.
17 And, then, on the next page, it talks about
18 that this -- what the purpose of this manual
19 is. Are you familiar with this? Does this
20 look -- is it familiar?

21 A (Zysk) Somewhat.

22 Q Somewhat, okay.

23 A (Zysk) I'm not as familiar with this one as the
24 DOT manuals.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Q Okay. All right. The DOT. Well, this one
2 we're interested in because mainly, as you read
3 there, the purpose of this manual is really
4 more for maintenance than it is for
5 construction. It's not intended to be used
6 for, you know, new access roads, permanent
7 crossing of streams, new construction of
8 utility assets, *etcetera*. And I guess, when
9 you see something like this, what limitations
10 do you see in terms of a construction -- a
11 construction team using this manual?

12 A (Zysk) It has a very specific application.

13 Q Right. And, so, you wouldn't expect to have it
14 around a construction site during construction,
15 you would expect it to be around afterwards?

16 A (Zysk) In part. Without being familiar with
17 the manual, there are potentially some -- some
18 of the information inside could be applied to
19 construction.

20 Q Sure.

21 A (Zysk) But it would obviously require something
22 above and beyond just this.

23 Q Above and beyond. All right. Now, what
24 construction guides do you tend to use in your

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 own work? Is it state-oriented or is it
2 job-oriented?

3 A (Zysk) A lot of my work is for public agencies,
4 the state. So, I use state manuals. A lot
5 of -- some of the municipalities require the
6 use of the same state manuals, some of the
7 larger ones, cities, have their own. So, we
8 tend to -- we would use those.

9 Q Okay. And what about Mr. Taylor, Mr. Bascom,
10 do you use this kind of manual -- what kind of
11 manuals do you rely upon for best management
12 practices?

13 A (Taylor) Similar to Mr. Zysk's response.

14 Q Uh-huh.

15 A (Taylor) To the extent that they're applicable,
16 the state level, county, or city.

17 Q Okay. Mr. Bascom?

18 A (Bascom) Generally, for electrical design
19 issues, the standards and guides are more
20 national-oriented documents, such as the
21 Institute of Electrical -- Electronic
22 Engineers, the Association of Edison
23 Illuminating Companies, and also some
24 international standards by the International

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 Electrotechnic Commission, IEC, and the
2 technical organization CIGRÉ.

3 Q Okay. Thank you. All right. Now, we're going
4 to turn to there's a Burns & McDonnell
5 October 2015 Storm Water Pollution Prevention
6 Plan, it's a draft. Did you refer to -- did
7 you see this plan at all that came through?

8 A (Zysk) I believe so, yes.

9 Q And here I'd like to -- this is Pemi 10.
10 That's the exhibit. I'd like to draw your
11 attention to the "Sediment to Storm Water"
12 area. That's something we're very concerned
13 about. And would someone read that highlighted
14 sentence there. It starts with "Sufficient".
15 Anybody. You could fight over it. Draw
16 straws.

17 A (Zysk) "Sufficient and appropriate BMPs will be
18 installed and maintained where necessary, when
19 surface water is located within 50 feet of the
20 Project activity and where there is a lack of
21 natural vegetated buffer."

22 Q Right. And we're interested in your
23 interpretation of that sentence, if you were
24 working under those conditions. How would you

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 interpret that?

2 A (Zysk) I would interpretate it literally. If
3 the distance to surface water is within 50
4 feet, or fifty feet or less of where I was
5 proposing to do work, I would have to install
6 some sufficient and appropriate BMPs.

7 Q Uh-huh.

8 A (Zysk) Or, where there was a lack of a natural
9 vegetated buffer.

10 Q All right. And do you feel that the 50 feet
11 from a water body is adequate usually?

12 A (Zysk) If sufficient and appropriate BMPs are
13 installed, yes.

14 Q Could you give me an example of a sufficient
15 BMP in that situation?

16 A (Zysk) There are too many variables to be
17 specific.

18 Q Okay. All right. Well, let me, if the -- Ms.
19 Crane showed you the picture of the retaining
20 wall, and then there's -- this is on Route 3
21 that you had visited, the Pemigewasset is, of
22 course, right -- it goes right down to the
23 Pemigewasset. What kind of BMP would you have
24 if you were working in that area?

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 A (Zysk) Again, it depends where in the area I
2 was working.

3 Q Okay. When might be the 50 feet not be
4 appropriate?

5 A (Zysk) I'm not sure I follow you.

6 Q Well, I would -- if you're going to take it
7 literally, and you're in the field with a
8 construction team, is there something that
9 would happen that you would say "okay, this
10 isn't going to work", and who would decide
11 that? Or is it just always going to be 50
12 feet?

13 I wonder if you have any flexibility?
14 Maybe that would help you.

15 A (Zysk) There's always -- well, if you've set an
16 absolute minimum of 50 feet, then that's what
17 applies.

18 Q Okay.

19 A (Zysk) You can always install BMPs when it's
20 farther than fifty feet.

21 Q Okay. Thank you. Let's see. Okay. We're
22 thinking in terms of the Pemigewasset
23 watershed. Is it fair to say that our
24 watershed, which is like a thousand square

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 miles of area, with lots of steep slopes, lots
2 of water, is it fair to say that we have sort
3 of that setting for some severe storm water
4 events? This is just a general question. It
5 could happen.

6 A (Zysk) The severity of a storm water event is
7 irrelevant to the size of the watershed.

8 Q Right. Well, --

9 A (Zysk) So, if you get what's classified as a
10 "100 year storm", and they happen with some
11 frequency, yes.

12 Q Uh-huh. Okay. And with that, of course, we're
13 concerned about erosion and storm water, you
14 know, the sediment coming in. And I think, Mr.
15 Zysk, yes, you were talking about when BMPs
16 should be started in the construction process.
17 Do you remember that?

18 A (Zysk) Yes.

19 Q Yes. Could you tell us a little bit about it?

20 MR. NEEDLEMAN: Objection, Mr. Chair.
21 It sounds like we're talking about very generic
22 testimony that could have been addressed.

23 CHAIRMAN HONIGBERG: It really is,
24 Ms. Draper. It's all very generic testimony.

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 What is it you want to know from these
2 gentlemen that is related to something that's
3 happened recently, some new information?
4 Something?

5 MS. DRAPER: Okay. Well, I guess
6 what I'm concerned about are the BMPs that are
7 not written, the BMPs that are not
8 site-specific --

9 CHAIRMAN HONIGBERG: And are any of
10 these BMPs new, that have come up in something
11 after they filed their prefiled testimony?

12 MS. DRAPER: That's part of my --
13 that's one of my questions, too. So, is there
14 anything new in the situation? I'm interested
15 with the timing as well. Because one of the
16 things that came through in the testimony was
17 that these BMPs really need to start now,
18 before the construction. And that there were
19 concerns about monitoring that needed to go on.
20 Those are the kinds of things that I'm
21 interested in.

22 CHAIRMAN HONIGBERG: This all sounds
23 like things that are in their prefiled
24 testimony --

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 MS. DRAPER: Uh-huh.

2 CHAIRMAN HONIGBERG: -- or could have
3 been in their prefiled testimony.

4 MS. DRAPER: All right. And part of
5 my question is, have they seen any BMPs for
6 specific locations, because that was one of
7 their concerns?

8 CHAIRMAN HONIGBERG: Okay. That
9 sounds like a great question.

10 MS. DRAPER: Okay. There's a
11 question. Okay.

12 BY MS. DRAPER:

13 Q And is there anything new on site-specific
14 BMPs?

15 A (Zysk) I believe our testimony was that there
16 are certain locations where the line style that
17 they used indicated a BMP application. But, as
18 to what that was, it was not made clear.

19 Q Right. And when would you expect that to be
20 made clear?

21 A (Zysk) Probably, that's a site-specific thing.
22 So, it could be well past the halfway point of
23 their construction document development, as to
24 develop what site-specific BMPs they're going

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 to use.

2 Q Uh-huh. And you had also said that there's the
3 minimum requirement of 90 days from the time
4 that say a project could be permitted, to the
5 reviewing documents for the construction, that
6 there's a 90-day minimum time, and it might not
7 be sufficient to provide the detailed review of
8 documents required for a project of this
9 magnitude. Do you still believe that? Page 7,
10 Line 24.

11 A (Zysk) I mean, I don't --

12 Q No, I'm just wondering. We're looking at the
13 time frame. So, I'm picturing this Project.
14 Now, if it were permitted, and then suddenly
15 there's 90 days before everybody needs to get
16 BMPs, you know, best management practices in,
17 site-specific, New Hampshire DES will be loaded
18 with things. So, are you concerned that the 90
19 days is not enough time or have you changed --
20 changed your mind on that?

21 A (Zysk) I have not changed my mind on that.

22 Q Okay. Thank you. All right. Well, we're
23 going to get down to one of the things, okay,
24 we have -- the best management practice manuals

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 that we've seen are about 11 to 12 years old,
2 with a couple of revisions. And, so, I'm
3 wondering if environmental best management
4 practices have a shelf life?

5 A (Zysk) I know there's continually being
6 research done at various locations, both -- I
7 think UNH has a large testing facility
8 associated with it. Other states do as well.

9 Q Uh-huh.

10 A (Zysk) The details that are included in these
11 manuals were all adopted by most of the New
12 England states around about the same time, and
13 not a lot has changed in the interim. So, I
14 don't know that they have a shelf life. If
15 they're effective, they keep being used.

16 Q All right. Okay. And I guess what we're
17 concerned about, what about the map, Mr. -- no,
18 your map there with the -- we're looking in
19 this area now, even just this year in Grafton
20 County, we've had two major weather events.
21 One took place in Plymouth, where it was
22 flooded, and 30 cars were floating in the
23 parking lot. And then, in July, there was
24 another one where there were port-a-potties

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 floating down the Pemi. So, this is what we're
2 concerned about. You know, these are the
3 kind -- there's changes, and we are interested
4 in this map here.

5 This is actually Exhibit Pemi 5. It was
6 done by the National Climate Assessment. And
7 we're looking at, you know, the change in very
8 heavy precipitation, and it looks like our area
9 gets the jackpot.

10 So, I guess what I'm concerned about is,
11 if there are these kinds of weather patterns
12 coming to our area, we've seen them, they're
13 kind of here, what happens to the BMPs? How
14 quickly do we readjust them to meet the kinds
15 of difficulties we're seeing?

16 MR. NEEDLEMAN: Mr. Chair, I think
17 I'm going to object. This sounds like very
18 generic testimony.

19 CHAIRMAN HONIGBERG: Is rain a
20 problem, heavy rains? Changes in weather
21 patterns?

22 WITNESS ZYSK: A heavy rain, by
23 itself, depending on the duration of it, could
24 be a problem. But a long -- long-term climate

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 change, which I think what you're kind of
2 alluding to, is probably not going to -- even
3 though this is a potentially two- to three-year
4 construction project, it's not going to affect
5 it, I think, along the lines that what you're
6 thinking.

7 An individual heavy event will --
8 they will have to revisit their BMPs, make sure
9 they're still functioning the way they're
10 supposed to, make sure they're still in place.
11 But an overall long-term change in
12 precipitation has very little impact on this.

13 BY MS. DRAPER:

14 Q All right. What happens when cars are flooded,
15 and I'm thinking of oil and gas going into the
16 river, that's just considered like a one-time
17 event, and clean it up and move on?

18 MR. NEEDLEMAN: Objection.

19 **BY THE WITNESS:**

20 A (Zysk) That's beyond the realm of the
21 construction project.

22 BY MS. DRAPER:

23 Q Yes. And I am thinking about the construction
24 project. I'm thinking about the open trenches.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 I'm thinking about Sugar Hill where the road
2 collapsed, and they're going to be building
3 trenches. That's what I'm thinking about.

4 And I'm also -- I have one final question.
5 Yesterday, Mr. Ahern brought up Japanese
6 knotweed, and nobody knew what it was, is that
7 true?

8 A (Zysk) I think we decided it was an invasive
9 species.

10 Q Yes. It's an invasive species. And I think
11 this would be something -- I'm wondering, and
12 we're all very concerned about invasive species
13 here in New Hampshire, and especially on the
14 right-of-way. I'm wondering, when the
15 construction teams dig up the dirt, do all the
16 excavation, how do they search or how do they
17 decide there are no invasive species,
18 especially something like Japanese knotweed,
19 which is prevalent in this area? How do they
20 determine that?

21 A (Zysk) I believe there would have to be
22 indication of it before they started
23 construction. That would be identified in
24 their environmental submittals, and possibly on

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 follow-up by the DES or by the State, to be
2 aware that it's there and to take appropriate
3 measures.

4 Q Okay. What would be appropriate measures for
5 something like that? You know, the trucks come
6 in, they're getting ready to dig, there's
7 knotweed, what would they do?

8 A (Zysk) I think, as I described yesterday, they
9 would have to remove -- probably remove the
10 living weed as it is, and then potentially the
11 soil or excavated material that it was in may
12 not be able to be replaced.

13 Q Uh-huh.

14 A (Zysk) Or it would have to be treated with an
15 herbicide before it was put back in the ground.
16 That would be a decision by DOT or DES.

17 Q Uh-huh. And would using the herbicides take an
18 exception or a permit or something special like
19 that?

20 A (Zysk) If it was -- that's something that I
21 can't answer. If it was a potentially
22 sensitive area, I would expect so.

23 Q Uh-huh. Okay.

24 A (Zysk) Not always.

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

[WITNESS PANEL: Zysk|Bascom|Taylor]

1 MS. DRAPER: All right. Let's see.
2 I think -- all right. Thank you very much.

3 CHAIRMAN HONIGBERG: And the only
4 other applicant I have on my list is Mr. Raff.
5 Is there any other group, before you go,
6 Mr. Raff, before you say anything, is there any
7 other intervenor group that has questions for
8 this panel?

9 *[No verbal response.]*

10 CHAIRMAN HONIGBERG: Now, Mr. Raff.

11 MR. RAFF: The IBEW doesn't have any
12 questions for this panel. Thank you.

13 CHAIRMAN HONIGBERG: All right.
14 Mr. Needleman -- just off the record.

15 *[Off-the-record discussion ensued.]*

16 CHAIRMAN HONIGBERG: Back on the
17 record. We're going to break for lunch, and we
18 will resume shortly after one o'clock.

19 (Lunch recess taken at 11:56

20 a.m. and concludes **Day 51**

21 **Morning Session.** The hearing
22 continues under separate cover
23 in the transcript noted as

24 **Day 51 Afternoon Session ONLY.)**

{SEC 2015-06}[Day 51/Morning Session ONLY]{10-24-17}

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

C E R T I F I C A T E

I, **Steven. E. Patnaude**, a Licensed Shorthand Court Reporter, do hereby certify that the foregoing is a true and accurate transcript of my stenographic notes of these proceedings taken at the place and on the date hereinbefore set forth, to the best of my skill and ability under the conditions present at the time.

I further certify that I am neither attorney or counsel for, nor related to or employed by any of the parties to the action; and further, that I am not a relative or employee of any attorney or counsel employed in this case, nor am I financially interested in this action.

Steven E. Patnaude, LCR
Licensed Court Reporter
N.H. LCR No. 52
(RSA 310-A:173)

BY MR. COTE:

[2] 82/17 85/19

BY MR. LAKES:

[13] 4/20 17/24

20/9 23/3 24/1

25/10 27/24 29/9

36/18 38/9 41/4

42/1 43/7

BY MR. VAN

HOUTEN: [6]

46/1 48/12 51/2

53/6 57/4 64/13

BY MS. CRANE:

[4] 94/15 98/10

99/22 101/23

BY MS. DRAPER:

[4] 104/8 113/11

117/12 117/21

BY MS.

MENARD: [5]

66/11 66/24 77/16

80/6 81/19

BY MS.

PASTORIZA: [1]

90/16

CHAIRMAN

HONIGBERG:

[71] 4/1 4/9 23/21

24/23 25/4 26/13

27/11 29/6 40/20

41/11 45/9 45/12

48/10 49/2 49/9

49/13 50/5 50/22

51/6 51/12 51/15

51/19 51/23 52/4

52/14 53/1 53/5

63/19 63/24 64/4

64/9 65/17 65/22

75/12 75/15 76/10

77/1 77/4 77/9 80/5

80/12 80/16 80/24

81/10 81/17 82/7

82/11 85/4 85/13

85/17 90/1 90/12

94/9 98/7 99/20

100/1 100/8 100/21

101/7 101/16

103/23 111/22

112/8 112/21 113/1

113/7 116/18 120/2

120/9 120/12

120/15

MR. AHERN: [4]

25/1 25/6 26/18

26/21

MR. COTE: [5]

82/9 82/13 85/5

89/23 90/8

MR. LAKES: [22]

4/11 17/22 20/7

22/23 23/23 24/20

25/2 25/7 26/10

26/15 26/19 26/22

27/8 27/10 27/14

27/23 29/8 36/14

38/5 41/13 43/5

45/7

MR.

NEEDLEMAN:

[22] 26/8 27/6 27/9

40/17 41/9 48/5

49/1 51/5 63/17

63/22 75/8 75/19

80/1 80/11 84/24

85/14 99/18 100/3

100/19 111/19

116/15 117/17

MR. RAFF: [1]

120/10

MR. VAN

HOUTEN: [21]

45/14 45/20 48/9

48/11 49/5 49/12

49/15 51/1 51/9

51/14 51/17 51/22

52/2 52/7 52/19

53/4 57/3 64/2 64/8

64/12 65/15

MS. CRANE: [6]

94/10 98/9 100/9

100/22 101/14

103/22

MS. DRAPER: [7]

103/24 112/4

112/11 112/24

	05-31-17 [1] 3/12	12 [12] 28/10 28/11
MS. DRAPER:...	052 [1] 1/24	28/21 29/1 29/18
[3] 113/3 113/9	06 [1] 1/7	29/18 29/20 29/20
119/24	1	29/21 83/4 87/15
MS. MENARD:	10 [5] 3/13 3/15	115/1
[14] 65/24 66/3	28/11 74/17 108/9	12-hour [1] 17/18
66/22 75/13 75/17	10,000 [3] 35/15	120-foot [1] 69/5
76/1 76/17 77/3	35/18 39/15	130 [1] 29/12
77/6 80/13 80/21	10/Morning [1]	135-foot [1] 69/4
81/3 81/15 82/5	3/11	14 [1] 29/2
MS. PASTORIZA:	100 [2] 60/7 111/10	15 [2] 93/2 93/9
[3] 90/10 90/13	100-foot [9] 66/14	15-464 [1] 67/3
94/7	66/16 67/22 69/23	15-foot [5] 66/17
WITNESS	69/24 74/8 74/19	70/20 70/24 71/8
BASCOM: [1]	75/8 77/9	92/20
66/2	104 [1] 2/12	150 [2] 67/15 67/19
WITNESS	10:22 [1] 65/21	152 [1] 66/19
TAYLOR: [3]	10:36 [1] 65/22	157 [1] 3/11
27/20 41/17 50/20	11 [4] 70/6 77/4	159 [2] 29/6 29/11
WITNESS ZYSK:	99/12 115/1	16 [1] 29/13
[1] 116/21	11 feet [3] 74/18	17 [5] 1/6 3/4 3/5
\$	76/19 77/7	3/7 3/12
\$1,000 [1] 54/6	11-06-17 [1] 1/6	179 [2] 68/24 74/2
\$7,500 [1] 38/16	11-foot [1] 75/6	17th [1] 18/3
\$800 [1] 54/8	112 [1] 44/13	18 [8] 3/4 6/22
-	115 [7] 67/9 74/11	12/18 18/4 44/15
-- no [1] 115/17	76/20 83/8 84/19	59/15 59/17 90/19
0	84/20 87/7	18-inch [2] 6/9 6/11
01862 [1] 99/14	116 [7] 7/23 19/12	19 [2] 3/17 96/17
05-01-17 [2] 3/5 3/7	23/7 44/13 44/15	19,653 [1] 38/14
	47/20 47/21	1st [3] 18/3 20/13
	11:56 [1] 120/19	70/5

2	3132 [1] 69/5	26/4
20 [4] 3/6 6/22	3132-304 [2] 69/3	58 [6] 3/22 3/23
13/17 13/22	70/20	90/18 95/10 95/10
200 [2] 67/16 67/21	32 [1] 19/15	95/19
2001 [1] 97/21	33 [1] 97/21	5804.02 [1] 99/10
2015 [1] 108/5	34 [1] 28/11	59 [1] 17/7
2015-06 [1] 1/7	340 [1] 70/18	6
2017 [1] 1/3	345 [5] 69/7 79/7	6,000 [1] 60/13
202 [1] 99/12	79/24 83/11 84/21	6/Afternoon [2] 3/4
21 [1] 3/6	35 [3] 90/22 91/14	3/6
23 [2] 3/8 3/9	92/18	60 [9] 36/12 37/24
24 [4] 1/3 3/11	36 [2] 3/13 3/15	38/2 84/4 84/15
12/18 114/10	38 [2] 3/17 28/22	84/24 85/10 85/16
3	4	86/1
30 [16] 34/3 34/6	4-wheel [1] 52/10	62 [2] 33/19 70/6
34/7 38/2 48/1	40 [1] 40/10	62-mile [1] 26/4
49/18 70/7 70/11	43 [2] 3/19 3/20	63 [2] 3/19 43/7
70/11 84/4 84/15	45,000 [1] 40/10	64 [2] 3/20 43/12
84/23 85/10 85/16	46 [1] 2/7	65 [3] 3/4 17/24
86/1 115/22	464 [1] 67/3	68/24
302 [15] 46/5 46/19	49 [3] 1/4 19/14	66 [6] 2/8 3/6 19/16
47/19 47/22 48/4	29/14	20/9 26/22 26/23
48/15 56/13 57/16	5	67 [2] 3/13 36/16
58/24 59/6 59/14	50 [6] 108/19 109/3	67708 [1] 70/16
61/3 61/5 61/10	109/10 110/3	68 [1] 3/15
61/11	110/11 110/16	68113 [1] 79/18
304 [3] 69/3 70/20	500 [2] 5/22 54/11	68116 [1] 74/2
71/20	51 [4] 1/3 4/3	68117 [1] 68/23
305 [2] 69/5 70/20	120/20 120/24	69 [2] 3/17 38/7
310-A:173 [1]	52 [2] 33/19 121/18	7
121/19	52-mile [2] 24/13	7,500 [1] 38/17

7	36/23 52/6 56/7 60/23 119/12 about [78] 4/17 4/19 4/20 6/17 9/23 13/2 15/6 16/5 19/4 21/8 22/9 22/15 23/9 23/19 29/15 29/18 32/4 34/5 35/12 35/13 35/17 43/22 45/3 46/10 47/24 49/11 49/12 49/15 50/12 51/2 51/11 51/21 52/18 53/18 54/19 56/23 64/5 64/8 65/3 66/8 73/7 74/20 78/1 78/2 79/12 79/16 80/8 81/14 83/18 86/9 87/5 87/10 87/17 88/14 91/23 94/2 104/6 104/10 105/17 107/9 108/13 111/13 111/15 111/19 111/21 112/6 112/19 115/1 115/12 115/17 115/17 116/2 116/10 117/23 117/24 118/1 118/3 118/12 above [3] 62/16	106/22 106/23 absolute [1] 110/16 absolutely [1] 35/24 ABTR [2] 3/23 95/10 abuts [1] 63/6 Abutter [1] 66/18 abutters [9] 4/14 35/7 66/6 82/15 90/15 94/14 95/9 97/6 99/2 abutting [1] 102/1 accept [5] 74/16 74/21 93/21 97/22 97/24 acceptable [1] 55/14 acceptance [1] 36/4 access [18] 46/18 47/6 47/10 47/13 48/4 50/19 52/5 52/8 52/17 56/10 56/12 56/15 56/24 57/6 57/14 57/16 61/4 106/6 accessed [2] 49/19 58/21 accommodate [6] 6/24 13/12 49/8 50/4 67/9 86/23 Accommodation [2] 31/3 33/2
70 [2] 3/8 23/5 71 [1] 3/9 72 [2] 3/11 24/22 73 [1] 98/7 76 [1] 46/4 78 [1] 74/12 7:00 [7] 15/9 15/10 15/14 16/4 17/4 17/4 17/10		
8		
8-inch [2] 6/3 6/22 80 [1] 26/22 82 [1] 2/9		
9		
90 [5] 2/10 3/22 114/3 114/15 114/18 90-day [1] 114/6 93 [1] 59/7 94 [1] 2/11 95 [1] 3/23 9:00 [1] 1/3		
A		
a.m [6] 1/3 15/9 17/4 65/21 65/22 120/20 A:173 [1] 121/19 ability [1] 121/8 able [7] 13/23 22/16		

A	3/23 95/10	99/18
according [4] 36/13	ADAM [2] 2/4 4/8	Advisory [1] 104/4
44/23 69/15 103/16	add [6] 39/14 40/14	aerial [1] 95/17
account [2] 9/20	54/3 74/14 78/6	Affairs [1] 1/16
60/21	105/5	affect [4] 40/16
accurate [3] 21/18	added [2] 9/16	61/3 61/24 117/4
31/14 121/5	47/12	affected [1] 61/7
accurately [1]	adding [3] 9/18	affirmative [1]
101/7	29/1 75/11	27/20
across [3] 8/2 56/12	additional [7]	afraid [1] 102/17
75/7	28/17 30/22 37/4	after [5] 36/3 53/10
act [1] 25/10	41/23 62/16 82/9	93/20 112/11
acting [2] 42/23	86/8	120/18
44/16	address [3] 99/12	Afternoon [3] 3/4
action [2] 121/12	102/5 102/7	3/6 120/24
121/15	addressed [7] 13/3	afterwards [1]
active [1] 94/21	80/4 80/5 80/15	106/15
activities [3] 84/11	88/6 104/7 111/22	again [11] 7/10
84/23 87/10	adequate [1]	18/12 20/13 25/13
activity [9] 19/11	109/11	25/19 39/13 55/7
40/14 57/19 81/5	adjacent [5] 47/21	68/18 79/10 81/24
83/8 83/24 85/22	57/9 68/13 96/21	110/1
89/16 108/20	96/24	agencies [1] 107/3
actual [5] 6/8 10/9	adjusted [1] 7/15	agency [1] 20/5
15/2 15/3 85/12	Administrator [1]	ago [1] 32/4
actually [12] 11/17	1/21	agree [15] 8/5 19/8
14/24 15/11 15/12	adopted [1] 115/11	19/10 25/23 25/24
22/16 25/15 50/8	advise [2] 33/3	29/16 54/8 54/16
72/17 78/4 80/23	101/22	67/7 67/11 71/17
86/12 116/5	advised [4] 32/22	74/14 75/3 79/21
AD [2] 3/23 95/10	33/17 33/21 101/12	85/21
AD-N-ABTR [2]	advising [2] 99/15	agreed [1] 58/18

<p>A</p> <p>agreement [1] 34/23</p> <p>Ahern [1] 118/5</p> <p>air [1] 40/15</p> <p>align [1] 13/4</p> <p>alignment [8] 11/5 14/17 14/19 21/12 22/4 22/6 31/9 93/11</p> <p>all [63] 5/16 9/5 9/12 12/3 16/21 22/17 23/1 23/3 25/9 30/4 31/21 40/8 40/18 43/1 44/24 45/13 48/3 49/21 50/4 51/24 57/9 57/24 58/6 59/10 60/4 64/13 65/14 65/18 65/23 68/9 75/2 75/22 75/23 79/15 81/18 82/6 84/4 85/2 86/4 94/2 94/8 95/7 98/24 102/11 103/23 106/1 106/23 108/3 108/7 109/10 109/18 111/24 112/22 113/4 114/22 115/11 115/16 117/14 118/12</p>	<p>118/15 120/1 120/2 120/13</p> <p>allow [5] 8/3 19/23 51/11 59/20 101/18</p> <p>allowed [2] 8/7 86/20</p> <p>allowing [1] 11/11</p> <p>allows [1] 9/3</p> <p>alluding [1] 117/2</p> <p>almost [2] 26/1 38/8</p> <p>along [20] 12/13 15/7 21/14 24/12 24/13 27/19 27/23 34/1 35/24 37/11 38/3 44/17 49/18 59/4 82/24 91/19 102/21 102/24 103/4 117/5</p> <p>already [4] 14/9 50/14 63/3 80/3</p> <p>also [17] 1/19 8/1 10/14 22/10 32/6 42/8 62/7 62/9 62/22 63/2 69/4 89/11 104/20 105/7 107/23 114/2 118/4</p> <p>Alteration [1] 70/17</p> <p>alternate [4] 56/10 56/12 56/15 56/24</p> <p>alternative [2] 57/6</p>	<p>63/13</p> <p>alternatives [1] 21/16</p> <p>although [1] 90/3</p> <p>always [6] 90/8 100/24 110/11 110/15 110/19 119/24</p> <p>am [10] 13/1 63/4 94/11 94/12 94/13 102/17 117/23 121/10 121/12 121/14</p> <p>Ammonoosuc [4] 47/22 56/13 58/24 61/6</p> <p>amount [5] 24/4 34/5 53/19 61/15 61/24</p> <p>analyze [1] 17/15</p> <p>analyzing [1] 31/7</p> <p>and/or [2] 21/14 21/14</p> <p>Andrew [1] 67/6</p> <p>Anne [1] 66/9</p> <p>another [10] 11/20 29/20 39/15 46/23 55/23 56/10 61/21 66/8 78/9 115/24</p> <p>answer [22] 20/2 20/23 22/21 26/24 27/14 28/15 40/23</p>
--	--	--

A		
answer... [15] 41/1 45/7 46/1 59/2 67/14 75/6 76/9 77/11 77/13 79/6 79/13 86/11 101/18 103/6 119/21	anymore [1] 25/4 Anyone [1] 68/20 anything [14] 4/3 23/2 42/19 46/10 51/1 76/23 78/8 94/24 94/24 97/4 105/4 112/14 113/13 120/6	34/17 36/13 48/2 53/9 56/2 56/6 66/13 73/13 92/21 93/2 94/23 120/4
answered [2] 27/16 27/20	anyway [1] 15/5 anywhere [1] 17/8	Applicant's [4] 19/21 60/5 68/23 70/16
answers [1] 25/18	apart [4] 11/3	Applicants [3] 74/2 79/17 91/16
anticipate [4] 7/6 20/15 20/22 27/1	13/17 13/22 23/21	Applicants' [4] 18/2 20/11 36/24 105/8
anticipated [2] 7/15 32/10	APOBP [12] 3/4 3/6 3/8 3/9 3/11 3/13 3/15 3/17 3/19 3/20 23/5 38/7	application [18] 1/8 5/5 20/21 20/23 20/24 21/1 26/24 27/2 32/23 33/18 34/16 36/4 47/6 56/4 62/6 72/6 106/12 113/17
any [45] 5/14 14/1 18/23 19/5 20/18 25/19 25/22 28/4 31/23 33/4 39/16 45/24 56/16 56/20 57/24 58/2 58/4 58/8 60/15 62/19 64/20 65/1 65/2 71/24 72/7 72/10 75/7 77/21 77/22 84/6 90/6 91/17 94/17 94/18 97/11 100/16 102/20 110/13 112/9 113/5 120/5 120/6 120/11 121/11 121/13	apparent [1] 78/8 apparently [2] 35/1 37/18	applications [1] 105/13
anybody [2] 5/14 108/15	appear [1] 71/10 Appearances [1] 1/23 appears [8] 19/5 22/13 31/21 36/10 36/11 67/13 96/13 96/15	applied [2] 89/1 106/18 applies [1] 110/17 apply [2] 65/5 82/24
	Apple [3] 23/1 25/8 90/10 applicable [1] 107/15 applicant [17] 4/24 6/2 9/7 10/11 31/10	appreciate [2] 4/16 75/19 approach [4] 12/21 13/3 68/14 94/7 approaches [1] 46/5

A

appropriate [9]
33/6 73/17 87/20
108/17 109/6
109/12 110/4 119/2
119/4
approval [1] 32/2
are [93] 6/9 8/7
9/11 10/14 12/11
16/21 19/13 19/14
19/17 21/15 21/19
25/20 34/14 35/8
35/23 42/3 43/1
43/22 44/8 44/19
45/2 45/2 45/24
47/12 48/15 50/20
51/21 52/3 53/24
57/9 58/10 58/18
58/18 61/8 63/3
64/7 64/15 65/24
67/15 68/9 69/20
70/7 70/7 70/20
71/4 71/11 71/14
72/5 78/6 79/7 79/7
79/19 82/16 82/23
82/24 84/11 86/15
89/12 92/10 92/12
92/15 94/20 94/22
95/7 95/10 95/23
96/9 96/22 97/8
97/13 98/16 104/3
104/15 105/19

106/17 107/19
109/12 109/16
112/6 112/6 112/7
112/9 112/20
112/23 113/16
114/18 115/1
115/10 116/2 116/3
116/11 117/14
118/17
area [64] 5/3 5/4
5/8 6/6 7/5 7/16 8/9
8/18 9/1 12/2 21/4
21/17 22/5 23/8
27/5 44/18 45/3
47/9 47/17 51/21
52/18 53/11 55/12
55/16 55/24 57/17
57/19 59/12 61/13
62/11 62/13 62/16
65/13 67/20 68/5
68/18 81/6 83/2
83/6 83/18 84/1
86/5 87/18 87/22
92/20 93/16 96/6
96/7 96/11 96/13
96/15 96/20 96/22
103/4 103/13
108/12 109/24
110/1 111/1 115/19
116/8 116/12
118/19 119/22
areas [18] 5/1 22/15

26/3 29/13 37/4
37/5 37/10 41/19
44/20 44/21 55/4
55/8 55/17 56/3
57/12 62/9 82/21
89/3
aren't [1] 41/13
argue [1] 53/3
argument [2] 8/12
76/17
arm [1] 74/17
around [14] 6/9
11/9 19/13 28/21
28/22 29/12 34/2
36/12 42/10 43/5
44/5 106/14 106/15
115/12
as [107] 1/13 5/12
6/6 6/10 6/16 6/21
6/22 7/4 7/19 7/19
7/22 10/1 10/24
11/18 12/3 13/13
15/5 15/6 16/11
19/3 19/12 21/8
21/19 22/12 22/12
23/13 30/7 30/11
30/21 31/1 31/9
33/4 33/23 36/7
38/11 39/10 39/13
39/24 42/8 42/8
42/13 42/22 42/23
43/17 44/7 44/16

A

as... [61] 47/2 47/13
48/4 50/18 58/7
62/17 68/13 68/14
69/6 69/21 71/1
71/17 73/1 73/1
73/8 73/14 73/17
77/15 77/20 78/14
78/16 79/1 79/8
79/8 80/10 81/7
81/24 81/24 83/20
83/20 86/3 86/11
91/15 91/24 92/16
92/21 94/4 95/9
95/21 96/17 96/19
96/20 97/14 101/2
102/19 103/18
103/21 105/7 105/7
105/23 105/23
106/2 107/20 111/9
112/15 113/17
113/23 115/8 119/8
119/10 120/23
Ashland [2] 94/13
95/9
aside [1] 53/11
ask [14] 4/19 23/23
32/21 33/7 50/11
50/17 50/24 64/11
67/16 75/14 78/2
81/19 90/4 102/24
asked [5] 52/20

64/7 64/11 67/7
81/14
asking [9] 25/15
31/6 51/21 76/14
83/17 90/11 90/14
100/6 104/10
aspect [2] 7/12
13/20
aspects [2] 11/5
36/21
assertion [1] 9/2
assess [2] 36/23
37/2
assessment [2] 26/7
116/6
assets [1] 106/8
associated [2] 37/2
115/8
Association [1]
107/22
assume [13] 7/22
10/19 21/20 27/13
42/17 48/20 59/22
60/20 62/12 62/22
88/8 90/20 92/18
assumes [1] 10/14
assuming [1] 32/12
assumptions [2]
57/21 93/1
assure [1] 100/24
attention [3] 95/1
99/17 108/11

attorney [2] 121/10
121/13
attractive [1] 54/18
atypical [1] 102/6
August [1] 74/3
available [2] 8/8
75/22
average [3] 9/10
10/18 60/12
avoid [2] 11/15
21/14
aware [17] 13/21
31/2 42/3 58/4 63/9
64/7 64/15 68/6
72/7 72/10 73/10
73/23 89/23 97/8
97/11 97/13 119/2
away [4] 15/14
23/19 91/23 92/12
awful [1] 49/10

B

back [18] 16/12
16/17 18/19 21/3
25/1 25/2 27/4
32/11 45/1 50/1
57/17 60/23 62/23
82/11 85/7 92/5
119/15 120/16
backfill [2] 42/8
42/22
background [2]
79/2 82/20

B

backhoe [1] 24/7
backhoes [1] 39/2
bad [2] 35/20 36/8
Bailey [1] 1/14
Barely [1] 90/13
barrier [2] 14/23
30/23
BASCOM [38] 2/4
4/9 4/22 5/7 5/19
6/15 6/21 7/4 8/6
9/15 10/6 11/1 11/4
11/19 12/5 12/16
12/21 13/1 13/3
13/21 14/15 14/23
15/16 16/10 16/24
17/12 60/5 61/15
61/23 65/4 68/5
68/12 68/18 78/12
79/1 107/9 107/17
107/18
base [1] 70/10
based [20] 21/2
21/21 26/7 27/3
27/7 30/14 43/1
57/20 58/14 60/7
78/15 84/12 85/24
92/13 93/11 99/18
99/24 101/20 102/3
104/11
bases [2] 70/7 70/7
basic [2] 8/15 76/9

basically [1] 61/8
basis [5] 10/12
10/22 16/16 17/1
21/6
batch [1] 37/7
be [219]
beaver [3] 87/4
87/21 87/24
because [22] 16/13
20/3 21/18 22/14
23/12 24/5 29/4
30/16 31/12 37/18
38/4 39/24 49/17
52/6 67/14 76/16
79/11 93/4 98/2
106/2 112/15 113/6
been [29] 14/2
17/20 21/7 31/1
31/23 34/15 40/19
46/9 50/9 53/21
54/21 54/23 58/7
63/15 73/6 73/24
78/16 80/5 80/14
80/18 88/5 94/1
100/5 100/7 100/12
100/24 101/1
111/22 113/3
before [13] 4/4
25/18 55/1 65/2
77/22 89/19 94/4
112/18 114/15
118/22 119/15

120/5 120/6
begin [2] 4/22 98/1
beginning [1] 84/8
begins [1] 4/4
behaves [1] 43/17
being [16] 4/16
22/10 32/5 33/4
34/1 36/9 40/4
48/17 63/14 64/4
74/7 80/10 86/5
106/16 115/5
115/15
believe [23] 14/4
26/14 27/19 29/11
31/8 31/13 50/5
54/21 58/14 60/5
62/15 73/13 85/6
95/7 95/10 96/7
101/22 103/4
103/12 108/8
113/15 114/9
118/21
below [3] 23/13
34/6 74/10
best [12] 31/4 36/5
75/19 104/6 104/21
105/11 105/15
107/11 114/16
114/24 115/3 121/7
Bethlehem [1] 4/13
better [3] 11/10
24/6 72/19

B		
between [25] 5/10 12/19 13/6 17/3 19/7 22/1 39/12 43/14 47/22 56/13 58/23 59/6 59/14 59/14 59/16 60/12 74/9 74/23 84/14 89/7 89/9 90/20 92/3 96/16 98/12	block [2] 42/23 99/12 blocking [1] 42/24 blowing [1] 82/5 BMP [3] 109/15 109/23 113/17 BMPs [15] 108/17 109/6 109/12 110/19 111/15 112/6 112/7 112/10 112/17 113/5 113/14 113/24 114/16 116/13 117/8	63/22 98/15 115/6 bottom [2] 74/10 74/15 boulder [7] 3/8 3/10 23/6 23/16 23/20 23/21 24/4 boulders [4] 22/22 24/11 27/18 27/22 boundaries [3] 19/17 19/24 33/18 boundary [8] 30/17 30/21 34/23 74/8 76/22 76/24 76/24 77/1
beyond [6] 41/10 56/3 62/16 106/22 106/23 117/20	Bob [4] 66/10 69/2 72/21 82/14	Bowes [7] 25/13 25/18 82/17 83/5 83/12 87/3 87/15
big [7] 6/10 8/12 12/3 38/18 49/21 51/11 76/5	bobcats [1] 39/2	box [2] 28/10 92/2
bigger [3] 9/11 28/14 50/5	body [1] 109/11	BP [2] 3/22 90/18
Billerica [1] 99/13	bore [17] 6/5 6/8 6/11 6/16 6/23 12/14 13/5 13/14 14/13 14/18 15/3 15/17 15/22 16/2 16/4 16/14 26/8	Bradbury [1] 66/9
bit [5] 19/5 21/8 82/19 104/6 111/19	bores [1] 17/7	break [3] 23/21 65/19 120/17
Blaney [2] 57/2 57/8	boring [7] 13/16 15/10 21/21 21/23 22/5 22/12 37/11	breakdown [1] 10/15
blanket [2] 17/2 17/2	Boscawen [1] 99/10	Brennan [1] 1/20
blast [2] 71/23 73/3	Boston [4] 32/4 96/19 96/20 97/15	bridge [1] 76/22
blasting [14] 20/17 20/22 27/1 72/1 72/2 72/5 72/8 72/11 73/6 73/8 73/11 73/15 73/16 73/24	both [5] 5/2 19/17	Bridgewater [2] 96/12 99/11
		bring [7] 15/5 22/24 34/12 54/19 56/23 85/7 86/7
		broken [2] 3/10

B
broken... [1] 23/16
Brook [3] 57/2 57/7
61/12
brought [4] 25/17
35/2 94/24 118/5
Brown [1] 49/1
Bruce [8] 17/24
20/9 24/21 26/13
26/21 36/16 38/6
43/6
buffer [9] 66/17
70/21 70/21 70/24
71/8 71/16 72/1
108/21 109/9
build [10] 46/14
48/3 49/18 52/11
52/14 53/15 54/6
57/14 62/20 86/6
building [7] 49/23
50/2 55/1 55/2
84/19 97/2 118/2
built [9] 47/13 48/1
49/8 50/18 52/2
52/17 52/23 56/15
83/10
bumbling [1] 36/17
burden [1] 65/11
Bureau [3] 3/19
3/20 43/10
Burns [1] 108/4
bus [2] 60/16 60/21

business [3] 1/15
36/6 36/8
businesses [1]
40/17
C
cable [5] 5/23 10/7
12/2 39/6 42/11
cables [4] 5/20
11/23 68/6 93/6
calculations [2]
39/16 39/20
call [3] 33/12 73/4
87/23
called [4] 72/8
72/11 73/8 73/11
came [6] 66/21 67/2
74/2 102/6 108/7
112/16
can [61] 6/22 7/22
8/10 8/16 8/24 10/2
13/22 16/24 17/23
28/14 34/12 42/17
43/6 45/24 46/20
46/23 47/18 47/20
48/20 50/12 50/18
52/17 52/23 53/14
55/16 57/17 58/22
59/1 59/10 64/11
66/14 70/18 71/6
72/23 73/22 74/7
74/11 76/10 76/13
77/11 78/18 78/22

79/4 81/19 84/10
85/7 85/9 86/22
87/4 87/13 87/16
89/21 91/5 91/16
93/13 96/16 96/19
98/5 99/3 99/7
110/19
can't [10] 16/20
26/17 45/6 52/10
52/24 55/19 55/20
68/19 102/17
119/21
cannot [2] 31/5
45/4
Carl [1] 4/13
Caron [1] 1/20
carrying [1] 39/1
cars [2] 115/22
117/14
case [10] 6/2 7/14
21/6 21/6 32/24
34/22 35/24 36/10
59/21 121/14
case-by-case [1]
21/6
cases [1] 15/17
casing [2] 6/18
16/12
caught [1] 35/11
cause [1] 78/8
cells [1] 99/3
cement [2] 38/12

<p>C</p> <p>cement... [1] 40/6</p> <p>center [6] 29/19 67/20 69/13 79/19 87/5 87/16</p> <p>centered [3] 30/7 30/10 30/12</p> <p>centerline [3] 8/19 29/15 30/15</p> <p>Central [1] 90/16</p> <p>certain [2] 86/6 113/16</p> <p>certainly [12] 22/9 33/8 34/3 46/21 56/14 81/23 85/24 86/19 86/20 93/12 93/17 95/6</p> <p>certainty [1] 26/2</p> <p>Certificate [1] 1/10</p> <p>certify [2] 121/4 121/10</p> <p>Chair [5] 48/6 75/9 80/2 111/20 116/16</p> <p>challenge [1] 19/19</p> <p>challenges [1] 102/20</p> <p>chance [1] 37/17</p> <p>change [6] 32/13 54/19 56/24 116/7 117/1 117/11</p> <p>changed [8] 9/9 22/4 48/9 75/11</p>	<p>114/19 114/20 114/21 115/13</p> <p>changes [6] 32/7 32/8 32/16 32/20 116/3 116/20</p> <p>changing [1] 21/19</p> <p>characterization [1] 77/21</p> <p>characterize [5] 36/7 48/17 73/9 103/18 103/20</p> <p>charge [1] 19/23</p> <p>Charlotte [1] 94/13</p> <p>chart [2] 100/13 101/6</p> <p>charts [1] 3/23</p> <p>Cherry [2] 57/8 57/15</p> <p>chipper [1] 38/23</p> <p>choose [2] 54/15 59/4</p> <p>chose [1] 80/21</p> <p>Christopher [1] 1/15</p> <p>Chrmn [1] 1/13</p> <p>CIGRÉ [1] 108/2</p> <p>circumstances [1] 5/23</p> <p>cited [1] 9/7</p> <p>cities [1] 107/7</p> <p>citizens [1] 65/12</p> <p>city [1] 107/16</p>	<p>civil [2] 7/12 10/9</p> <p>claims [1] 53/9</p> <p>clarification [1] 71/1</p> <p>clarify [4] 69/19 73/13 81/3 81/23</p> <p>clarifying [1] 67/16</p> <p>classified [2] 89/13 111/9</p> <p>classify [1] 42/21</p> <p>clean [2] 44/24 117/17</p> <p>clear [12] 15/4 62/11 70/23 85/2 85/4 91/24 92/21 93/3 93/9 101/11 113/18 113/20</p> <p>clearance [4] 68/13 75/6 76/20 77/8</p> <p>clearances [4] 68/1 68/7 76/4 79/9</p> <p>cleared [2] 41/23 62/13</p> <p>clearing [2] 71/16 92/23</p> <p>clearly [2] 72/5 74/22</p> <p>client [6] 32/22 33/3 33/17 33/22 101/13 101/22</p> <p>climate [2] 116/6 116/24</p>
--	---	--

<p>C</p> <p>close [5] 80/1 87/6 92/1 92/6 92/10</p> <p>closed [1] 61/10</p> <p>closely [1] 28/12</p> <p>closure [4] 59/11 59/21 60/16 61/3</p> <p>closures [1] 62/1</p> <p>Cmsr [1] 1/14</p> <p>code [1] 99/14</p> <p>Codes [1] 67/24</p> <p>collapse [1] 16/14</p> <p>collapsed [1] 118/2</p> <p>collapsing [1] 16/5</p> <p>combination [1] 65/9</p> <p>come [9] 17/15 23/2 30/5 30/16 50/1 78/10 99/16 112/10 119/5</p> <p>comes [3] 16/4 91/3 104/22</p> <p>coming [5] 11/21 61/9 61/12 111/14 116/12</p> <p>Comm [2] 1/13 1/14</p> <p>comment [1] 13/23</p> <p>commercial [2] 37/10 60/11</p> <p>Commission [2] 23/18 108/1</p>	<p>COMMITTEE [8] 1/2 1/12 64/19 65/3 65/5 100/10 101/4 104/5</p> <p>community [1] 79/24</p> <p>Companies [1] 107/23</p> <p>Company [2] 1/9 50/15</p> <p>compilation [1] 33/5</p> <p>complete [2] 16/17 78/24</p> <p>completed [1] 84/4</p> <p>completely [2] 29/23 86/21</p> <p>completion [1] 40/16</p> <p>component [2] 28/21 28/22</p> <p>comprised [1] 67/22</p> <p>computational [1] 38/20</p> <p>concept [1] 86/17</p> <p>conceptual [2] 78/16 79/4</p> <p>concern [3] 81/8 81/24 84/1</p> <p>concerned [9] 14/12 108/12</p>	<p>111/13 112/6 114/18 115/17 116/2 116/10 118/12</p> <p>concerns [5] 16/5 75/2 76/4 112/19 113/7</p> <p>concludes [1] 120/20</p> <p>Concord [5] 1/4 81/15 97/22 98/6 98/12</p> <p>Concord-Lincoln [1] 98/6</p> <p>Concord-to-Lincoln [1] 97/22</p> <p>concrete [2] 37/7 43/1</p> <p>concrete-based [1] 43/1</p> <p>conditions [3] 73/17 108/24 121/8</p> <p>conductor [5] 74/17 74/18 74/22 75/2 77/8</p> <p>conductors [2] 68/2 78/7</p> <p>conduit [7] 6/18 6/22 7/1 13/6 13/10 13/14 16/12</p> <p>conduits [6] 5/24 6/3 12/9 12/11</p>
--	---	--

C		
conduits... [2] 12/19 13/4	51/4 61/19 66/16 78/6 88/1 91/13	113/23 114/5 117/4 117/21 117/23
Conference [3] 3/19 3/21 43/11	construction [90] 5/3 5/6 5/18 8/18	118/15 118/23
configuration [1] 78/17	9/6 9/23 10/9 10/17	consultants [2] 88/9 88/13
confirm [1] 70/18	18/2 18/6 18/16	consultation [1] 31/2
confirmation [1] 28/8	19/6 19/11 19/24	contact [1] 94/1
confused [1] 11/22	20/4 20/12 25/14	contained [1] 99/24
congestion [1] 40/15	31/8 31/23 32/8	contaminants [1] 44/17
conservatively [1] 11/15	32/9 36/22 37/3	contamination [1] 44/18
consideration [1] 88/11	37/14 46/18 47/7	continually [2] 15/8 115/5
considered [1] 117/16	49/9 49/12 53/10	Continuation [1] 4/7
considering [1] 7/8	53/23 55/17 56/11	continue [3] 8/21 16/1 16/16
consistent [3] 6/4 15/22 98/20	57/1 57/7 57/18	continues [1] 120/22
consisting [1] 3/23	57/23 58/23 59/6	continuous [1] 16/16
constantly [1] 32/5	59/23 61/4 61/16	contractor [4] 17/14 59/3 88/14 99/17
constrained [1] 14/9	62/4 62/9 62/24	contractors [1] 54/15
construct [7] 60/9 71/17 71/23 71/24	65/9 66/7 66/10	control [2] 37/14 37/16
72/17 84/16 91/19	77/15 79/20 79/21	controlling [1] 11/5
constructability [1] 88/11	82/21 83/6 83/16	conventional [1]
constructed [6]	83/21 83/24 84/8	
	85/11 85/13 85/21	
	87/8 87/9 87/12	
	87/19 88/4 89/3	
	89/7 89/9 99/15	
	101/10 103/7	
	103/10 104/11	
	106/5 106/7 106/10	
	106/11 106/14	
	106/14 106/19	
	106/24 110/8	
	111/16 112/18	

C

conventional... [1] 13/7
conversation [1] 35/22
Coos [1] 38/17
copy [4] 3/8 3/9 18/2 20/11
corner [2] 44/12 44/15
correct [33] 6/15 11/19 13/18 17/11 18/22 18/22 18/24 19/18 24/19 27/21 30/11 30/19 30/20 30/24 34/18 37/19 37/20 38/14 38/15 41/17 42/13 42/20 47/8 55/6 55/10 70/3 71/19 75/1 75/4 81/16 81/17 91/10 96/4
correctly [3] 62/6 71/4 96/23
corridor [7] 47/19 48/16 48/18 55/5 55/9 57/10 58/21
cost [2] 53/18 54/8
costs [3] 24/18 53/15 54/6
Cote [5] 2/9 82/9 82/14 85/5 85/18

could [45] 6/7 11/10 13/24 14/13 14/20 15/24 19/10 24/21 30/17 44/16 52/1 54/3 54/10 54/11 54/12 54/18 56/23 59/21 60/8 75/5 76/1 76/9 78/2 78/5 78/9 79/5 79/5 80/4 85/13 92/2 92/20 93/4 93/9 98/1 100/7 106/18 108/15 109/14 111/5 111/19 111/22 113/2 113/22 114/4 116/23
couldn't [2] 50/22 93/15
counsel [5] 1/20 80/19 101/9 121/11 121/14
country [1] 17/9
county [3] 38/17 107/16 115/20
couple [2] 72/14 115/2
course [6] 33/19 34/10 40/11 95/1 109/22 111/12
COURT [4] 1/24 57/3 121/4 121/18

cover [2] 105/6 120/22
covered [1] 54/21
Craig [1] 1/15
crane [10] 2/11 49/24 70/19 71/11 71/24 94/10 94/13 100/9 100/22 109/19
cranes [1] 39/1
create [2] 41/24 43/17
created [2] 73/19 73/21
creating [1] 8/20
critical [1] 92/15
cross [9] 2/6 2/7 2/8 2/9 2/10 2/11 2/12 14/14 75/8
Cross-examination [7] 2/6 2/7 2/8 2/9 2/10 2/11 2/12
crosses [1] 95/20
crossing [2] 76/21 106/7
cultural [1] 37/12
curious [1] 13/19
current [1] 71/15
currently [7] 19/20 48/22 50/20 51/22 52/6 56/3 91/15
cursor [2] 47/17

<p>C</p> <p>cursor... [1] 47/23 customary [4] 54/24 96/24 97/4 97/6 cut [1] 13/8</p>	<p>deals [2] 67/24 68/2 dealt [1] 87/3 decide [4] 45/24 87/21 110/10 118/17 decided [1] 118/8 decision [6] 65/2 87/10 87/17 88/10 88/19 119/16 decisions [1] 32/6 deconstructed [1] 83/11 deconstructing [1] 84/20 decrease [1] 86/18 deed [1] 76/24 deemed [1] 33/6 deep [2] 28/11 39/12 deeper [2] 39/11 39/24 deepest [1] 13/16 Deerfield [10] 66/6 66/18 67/18 67/19 79/18 79/23 82/15 82/22 94/14 95/9 defer [1] 7/10 defined [2] 8/10 8/13 definitely [1] 19/18 definitive [1] 86/11 delay [1] 10/21</p>	<p>delays [1] 10/14 delineating [1] 19/7 deliveries [1] 38/22 demo [1] 86/6 demobilization [1] 10/10 density [1] 81/5 Department [2] 43/9 100/15 depend [1] 61/15 dependent [2] 59/3 61/1 depending [4] 15/23 82/5 89/13 116/23 depends [5] 15/16 53/20 54/4 87/23 110/1 depicted [1] 102/15 Dept [3] 1/15 1/15 1/16 DES [6] 45/6 70/17 88/21 114/17 119/1 119/16 describe [2] 49/7 105/13 described [2] 101/7 119/8 describing [2] 44/7 97/21 descriptions [1] 54/22</p>
<p>D</p> <p>d/b/a [1] 1/9 dams [1] 43/17 Daniel [2] 95/20 102/15 data [4] 34/1 37/9 66/21 67/2 date [1] 121/7 DAVID [4] 2/5 3/13 3/15 4/9 Dawn [1] 90/9 day [19] 1/3 3/4 3/6 3/11 4/3 18/3 20/12 24/6 24/8 24/9 60/7 60/13 80/10 83/4 84/15 87/15 114/6 120/20 120/24 days [11] 24/7 80/10 84/4 84/24 85/10 85/17 86/2 86/2 114/3 114/15 114/19 DE [1] 67/3 deal [2] 4/4 87/11 dealing [1] 73/1</p>	<p>deals [2] 67/24 68/2 dealt [1] 87/3 decide [4] 45/24 87/21 110/10 118/17 decided [1] 118/8 decision [6] 65/2 87/10 87/17 88/10 88/19 119/16 decisions [1] 32/6 deconstructed [1] 83/11 deconstructing [1] 84/20 decrease [1] 86/18 deed [1] 76/24 deemed [1] 33/6 deep [2] 28/11 39/12 deeper [2] 39/11 39/24 deepest [1] 13/16 Deerfield [10] 66/6 66/18 67/18 67/19 79/18 79/23 82/15 82/22 94/14 95/9 defer [1] 7/10 defined [2] 8/10 8/13 definitely [1] 19/18 definitive [1] 86/11 delay [1] 10/21</p>	<p>delays [1] 10/14 delineating [1] 19/7 deliveries [1] 38/22 demo [1] 86/6 demobilization [1] 10/10 density [1] 81/5 Department [2] 43/9 100/15 depend [1] 61/15 dependent [2] 59/3 61/1 depending [4] 15/23 82/5 89/13 116/23 depends [5] 15/16 53/20 54/4 87/23 110/1 depicted [1] 102/15 Dept [3] 1/15 1/15 1/16 DES [6] 45/6 70/17 88/21 114/17 119/1 119/16 describe [2] 49/7 105/13 described [2] 101/7 119/8 describing [2] 44/7 97/21 descriptions [1] 54/22</p>

D

design [18] 3/19
3/20 11/11 11/13
14/7 28/20 32/7
36/13 43/10 68/19
69/10 77/14 78/13
79/3 79/12 88/6
88/7 107/18
designating [2]
37/9 91/6
designed [2] 66/14
71/17
Designee [3] 1/15
1/15 1/16
destroyed [1] 88/2
detail [4] 31/8
37/22 74/10 105/13
detailed [3] 37/13
37/15 114/7
details [3] 59/20
65/6 115/10
detected [1] 44/12
determination [1]
88/23
determine [6]
17/17 18/9 18/14
22/16 60/8 118/20
determined [1]
20/6
develop [2] 60/19
113/24
developer [1] 63/10

development [4]
80/1 81/9 99/2
113/23
deviate [1] 14/17
Dewberry [2] 3/17
7/11
diagram [1] 93/14
diameter [4] 5/23
6/5 6/18 44/5
did [26] 22/4 26/9
31/8 31/18 32/24
35/4 36/24 37/17
38/16 39/16 41/17
42/15 43/19 46/7
46/10 53/9 59/5
63/15 73/3 77/14
85/7 93/21 95/5
104/12 108/6 108/6
didn't [10] 14/1
23/3 25/21 25/22
31/15 42/18 72/9
77/18 81/11 99/19
diesel [2] 80/8 82/4
diesel-powered [1]
80/8
difference [1] 84/3
different [11] 9/12
49/17 69/16 69/17
69/17 73/20 73/23
75/10 75/21 87/1
87/13
different setback
[1] 69/17

differently [1]
28/13
difficulties [1]
116/15
dig [5] 18/11 18/15
72/16 118/15 119/6
digging [1] 26/5
digression [1]
24/23
Dir [1] 1/15
direct [4] 3/13 3/15
41/2 89/21
directional [13]
4/23 5/21 7/12
10/18 10/23 11/4
11/12 12/22 13/9
13/12 14/16 16/1
16/11
directly [2] 33/1
40/16
dirt [3] 40/6 40/15
118/15
disagree [1] 98/4
disagrees [1] 98/4
disclosed [1] 34/10
disclosure [1] 34/19
discrepancy [2]
5/10 9/20
discuss [1] 42/15
discussed [4] 30/22
42/7 58/15 81/24
discussion [10]

D

discussion... [10]
28/6 31/17 43/14
63/16 64/8 64/15
83/12 86/8 87/3
120/15
disjunct [1] 18/12
disposed [1] 44/23
disposition [1]
103/11
dispute [3] 33/19
34/24 35/3
dissipation [1]
42/10
distance [2] 90/20
109/3
distances [3] 68/14
69/16 69/18
disturbance [4]
18/8 18/13 18/20
84/2
disturbed [2] 84/5
84/6
disturbing [1] 72/3
Division [1] 100/16
do [92] 7/2 8/16 9/4
9/20 10/3 19/8
24/24 25/23 26/6
26/17 29/16 29/17
33/8 33/10 34/9
35/6 36/3 36/5 36/8
38/7 39/16 39/19

46/22 47/9 47/11
48/5 48/20 50/1
50/15 50/24 53/18
54/5 54/15 54/16
56/1 58/2 60/10
60/15 60/18 62/19
62/21 63/6 63/10
65/1 67/4 68/17
69/6 69/9 70/8
70/24 72/1 76/24
78/21 78/23 79/16
79/20 80/10 81/1
81/21 83/23 84/13
85/6 85/10 85/12
85/21 86/10 86/12
88/12 92/11 92/13
94/17 95/18 101/12
102/12 102/20
105/10 106/10
106/24 107/10
107/11 109/5
109/10 111/17
114/9 115/8 116/14
118/15 118/16
118/16 118/19
119/7 121/4
DOCKET [2] 1/7
67/3
document [5] 3/23
97/23 101/14
105/10 113/23
documentation [1]

105/9
documents [10]
99/16 100/1 101/15
101/18 101/20
102/4 102/10
107/20 114/5 114/8
does [21] 5/4 15/3
20/22 24/17 38/21
38/24 39/1 39/5
43/16 44/1 50/15
70/9 70/10 71/9
71/10 74/20 76/5
96/10 99/9 105/6
105/19
doesn't [4] 30/3
32/12 42/14 120/11
doing [6] 7/7 10/2
22/15 24/12 81/13
97/1
don't [35] 8/11
20/17 25/3 25/8
25/24 35/18 36/7
41/15 45/10 51/20
55/24 56/20 58/12
59/1 59/18 62/15
72/19 72/19 73/4
73/7 76/22 77/13
78/18 79/3 79/6
79/10 85/3 90/2
98/24 101/3 101/4
102/4 104/14
114/11 115/14

D

done [11] 12/15
15/21 19/9 21/23
48/23 50/12 61/21
91/1 91/5 115/6
116/6
Donovan [1] 1/4
Dore [1] 1/20
DOT [16] 3/19 3/20
9/3 21/13 21/15
31/2 31/19 33/1
41/6 43/15 43/16
88/18 88/19 105/24
106/1 119/16
down [18] 8/22
9/14 12/10 24/15
29/7 29/8 30/5
35/14 43/13 58/16
74/15 89/5 93/5
98/8 102/8 109/22
114/23 116/1
draft [2] 104/20
108/6
drain [8] 42/23
43/18 44/1 44/3
44/4 44/8 44/17
45/5
Draper [4] 2/12
103/24 104/2
111/24
draw [2] 108/10
108/15

drawing [3] 13/23
14/24 15/2
DRED [1] 104/23
drill [8] 5/21 10/23
11/6 11/12 11/15
12/22 13/12 14/16
drilling [11] 4/24
7/12 9/14 11/4 13/9
15/20 16/1 16/11
26/8 38/23 39/2
drills [2] 7/7 10/18
drive [3] 8/3 52/10
52/10
driven [1] 89/10
driving [1] 52/9
drops [1] 46/12
due [4] 32/5 32/8
41/24 89/2
dug [1] 12/3
dump [1] 38/12
dumpsters [1] 39/3
duration [4] 59/11
83/21 89/15 116/23
during [14] 28/3
28/5 32/9 43/14
60/22 61/19 61/21
86/8 86/17 87/19
88/1 88/2 88/6
106/14
dust [3] 40/14
57/23 82/4

E

each [14] 10/23
11/23 12/1 12/1
12/10 12/11 13/5
13/17 41/4 49/22
60/19 60/20 73/20
73/22
EARLE [2] 2/4 4/8
earlier [8] 9/8 14/5
26/12 26/15 27/16
37/22 67/23 69/19
early [1] 33/24
Earth [1] 95/17
easement [6] 8/8
69/22 74/8 74/19
75/1 77/9
easements [2] 37/8
67/22
easily [2] 7/2 78/23
east [3] 61/9 67/20
71/7
Easton [2] 15/2
37/13
easy [1] 101/1
Economic [1] 1/16
edge [9] 7/18 14/19
68/4 68/11 69/9
71/5 71/11 74/13
74/19
Edison [1] 107/22
effective [1] 115/15
efficiency [1] 24/16

<p>E</p> <p>eight [1] 24/9</p> <p>either [6] 10/21 28/17 41/21 44/22 56/1 88/2</p> <p>elaborates [1] 41/3</p> <p>Electric [1] 67/24</p> <p>electrical [6] 68/1 77/14 78/12 79/12 107/18 107/21</p> <p>Electronic [1] 107/21</p> <p>Electronically [1] 1/6</p> <p>Electrotechnic [1] 108/1</p> <p>elevation [3] 72/18 72/24 73/1</p> <p>ELMO [8] 17/24 25/1 25/2 25/4 25/6 25/7 25/9 104/3</p> <p>else [1] 105/5</p> <p>emergency [1] 21/6</p> <p>employed [2] 121/11 121/14</p> <p>employee [1] 121/13</p> <p>enable [2] 56/16 62/23</p> <p>encounter [1] 7/8</p> <p>encountered [1] 89/18</p>	<p>encouraging [1] 90/8</p> <p>encroach [1] 8/23</p> <p>encroaching [1] 76/21</p> <p>end [5] 9/23 9/23 36/12 38/8 84/9</p> <p>end-to-end [1] 9/23</p> <p>ends [2] 84/9 95/12</p> <p>Energy [1] 1/10</p> <p>engaging [1] 34/7</p> <p>engineer [1] 67/5</p> <p>engineering [1] 58/9</p> <p>engineers [2] 56/11 107/22</p> <p>England [1] 115/12</p> <p>enhanced [1] 42/9</p> <p>enough [6] 39/12 49/21 49/24 72/20 102/4 114/19</p> <p>ensued [1] 120/15</p> <p>entail [1] 7/18</p> <p>entire [4] 16/17 35/24 37/11 84/22</p> <p>entirely [1] 101/10</p> <p>entitlement [3] 33/13 34/8 34/11</p> <p>entry [1] 90/24</p> <p>Environ [1] 1/15</p> <p>environment [1] 15/22</p>	<p>environmental [6] 88/9 88/12 88/18 88/22 115/3 118/24</p> <p>equipment [14] 6/1 6/4 6/14 10/15 10/21 11/8 15/23 18/11 18/15 39/7 49/8 49/22 51/12 80/9</p> <p>erosion [2] 37/15 111/13</p> <p>especially [2] 118/13 118/18</p> <p>Esq [1] 1/20</p> <p>essentially [4] 18/10 18/15 18/17 73/16</p> <p>establish [1] 16/1</p> <p>established [4] 20/1 31/10 57/1 57/6</p> <p>establishing [1] 16/18</p> <p>estimate [2] 53/14 58/23</p> <p>estimated [2] 38/12 74/5</p> <p>estimates [2] 9/16 9/17</p> <p>estimating [1] 40/9</p> <p>etcetera [6] 9/14 24/20 24/20 32/10 57/23 106/8</p>
---	--	---

<p>E</p> <p>evaluated [1] 78/14</p> <p>evaluation [6] 1/2 1/12 64/19 65/3 65/5 78/17</p> <p>even [15] 6/8 9/24 19/15 23/3 30/13 32/15 38/4 39/7 40/6 51/8 66/13 71/14 92/18 115/19 117/2</p> <p>event [3] 111/6 117/7 117/17</p> <p>events [2] 111/4 115/20</p> <p>eventually [2] 12/2 12/10</p> <p>Eversource [4] 1/9 25/14 43/14 67/5</p> <p>every [8] 10/19 17/6 17/13 21/23 24/6 24/8 49/1 94/11</p> <p>everybody [2] 45/16 114/15</p> <p>everyone [1] 4/3</p> <p>everything [2] 65/14 100/5</p> <p>evidenced [1] 69/21</p> <p>exact [5] 16/17 21/21 22/5 30/21 104/14</p>	<p>exactly [2] 42/14 80/3</p> <p>examination [7] 2/6 2/7 2/8 2/9 2/10 2/11 2/12</p> <p>example [5] 21/24 36/1 61/18 89/4 109/14</p> <p>excavate [1] 44/21</p> <p>excavated [2] 23/7 119/11</p> <p>excavation [2] 37/6 118/16</p> <p>exception [2] 33/15 119/18</p> <p>exceptions [1] 21/15</p> <p>excerpt [1] 97/19</p> <p>excessive [2] 24/4 24/5</p> <p>exchange [1] 25/13</p> <p>exemption [2] 33/8 103/12</p> <p>exercise [1] 38/20</p> <p>exhibit [12] 3/3 23/5 25/12 36/16 66/18 68/23 70/16 71/7 87/13 95/19 108/10 116/5</p> <p>Exhibit 67708 [1] 70/16</p> <p>Exhibit 68117 [1]</p>	<p>68/23</p> <p>exhibits [1] 28/4</p> <p>existence [3] 73/19 93/22 94/3</p> <p>existing [17] 47/18 50/13 50/19 52/2 52/4 52/5 52/17 52/23 55/5 55/9 69/22 74/24 75/11 83/8 83/10 84/20 92/3</p> <p>exists [2] 8/9 44/15</p> <p>Expand [1] 61/7</p> <p>expect [13] 7/21 10/18 34/19 44/20 64/18 64/21 83/19 89/6 89/16 106/13 106/15 113/19 119/22</p> <p>expectation [1] 40/7</p> <p>expectations [1] 5/1</p> <p>expected [2] 15/18 83/23</p> <p>experience [18] 5/5 5/8 5/14 5/19 7/11 10/6 31/22 32/16 56/20 82/3 83/18 84/12 87/9 88/8 88/16 88/24 92/13 97/3</p> <p>expertise [3] 37/21</p>
---	--	---

E

expertise... [2] 68/5
68/18

experts [3] 41/13
101/5 101/9

explain [1] 93/13

explained [1] 86/3

exposed [1] 14/2

extend [2] 40/15
62/4

extended [1] 22/10

Extends [1] 24/18

extensive [1] 31/22

extent [7] 8/9 14/18
31/4 35/21 47/9

91/20 107/15

extraction [1]
38/22

extremely [1] 80/1

eye [1] 35/11

eyes [1] 34/9

F

facility [2] 1/10
115/7

fact [3] 9/22 20/6
27/17

factors [3] 10/15
10/22 86/15

facts [1] 100/6

fair [3] 65/8 110/23
111/2

fairly [4] 6/10 6/11
47/16 50/3

falls [2] 88/16 88/17

familiar [10] 69/11
79/19 83/2 95/10

95/23 103/3 105/19

105/20 105/23

106/16

family's [1] 71/6

far [7] 6/21 22/12
40/22 46/13 79/8

83/20 105/7

farther [1] 110/20

fashion [1] 44/9

fast [2] 51/21 98/3

feature [1] 87/11

features [1] 78/21

feel [3] 8/16 10/3
109/10

feet [58] 5/22 11/3
11/9 11/14 11/17

11/24 13/17 13/22

19/14 19/15 21/23

21/24 28/10 28/11

28/11 28/17 28/22

28/23 29/1 29/1

29/2 29/14 29/16

29/18 29/19 29/20

29/21 29/21 39/12

58/16 60/7 67/15

67/16 67/19 67/21

70/8 74/12 74/18

74/18 76/19 77/4

77/7 90/22 90/23

90/24 91/14 91/23

92/18 93/2 93/9

108/19 109/4 109/4

109/10 110/3

110/12 110/16

110/20

felt [2] 7/5 10/22

few [6] 26/8 41/19

49/1 82/9 94/14

102/14

field [5] 91/7 91/7

91/24 92/7 110/7

fifteen [2] 32/4

32/11

fifty [2] 109/4

110/20

fight [1] 108/15

figure [1] 39/11

figured [1] 34/1

filed [4] 1/6 3/13

3/15 112/11

fill [1] 46/15

final [6] 53/24

56/19 88/10 88/13

88/14 118/4

financially [1]

121/14

find [7] 24/11 34/23

42/19 57/16 94/2

99/3 99/7

F	42/21	found [6] 21/3
finding [1] 22/18	flushed [2] 33/14	21/16 26/2 27/4
fine [4] 48/12 51/18	36/9	27/19 27/22
51/19 92/11	flux [2] 21/13 34/14	foundation [2] 44/6
finish [2] 9/19	follow [5] 66/8 78/4	84/16
99/22	82/16 110/5 119/1	four [9] 9/9 10/3
finished [1] 99/20	follow-up [3] 66/8	19/15 19/16 29/15
finishing [2] 11/2	78/4 119/1	47/24 49/19 58/21
32/18	follow-ups [1]	65/9
firmly [1] 20/1	82/16	four-mile [2] 49/19
first [8] 43/19 63/21	following [3] 37/1	58/21
63/23 64/1 64/3	81/2 81/13	frame [8] 9/21
69/21 76/12 85/10	foot [20] 11/14 12/6	83/13 84/7 84/15
fit [4] 7/2 76/6	39/23 66/14 66/16	85/12 86/14 87/21
76/17 77/9	66/17 67/22 69/4	114/13
five [6] 9/7 11/9	69/5 69/23 69/24	Franconia [1]
11/14 24/7 58/16	70/20 70/24 71/8	90/19
78/10	74/8 74/19 75/6	free [1] 80/20
flat [2] 103/16	75/8 77/9 92/20	freeze [1] 86/21
103/19	footage [1] 102/18	freight [1] 98/14
flatbeds [1] 39/1	footprint [2] 5/7	French [8] 42/23
flattening [1] 7/24	62/17	43/17 44/1 44/3
flexibility [1]	forced [1] 86/24	44/4 44/7 44/16
110/13	forces [2] 13/13	45/4
flip [1] 30/11	13/13	frequency [1]
flip-side [1] 30/11	foregoing [1] 121/4	111/11
floating [2] 115/22	form [1] 91/6	frozen [1] 86/18
116/1	forth [5] 8/13 57/18	FTB [3] 42/8 43/15
flooded [2] 115/22	62/1 62/23 121/7	44/16
117/14	forward [5] 16/8	fully [2] 36/9 92/24
flow [2] 43/3 45/4	32/22 33/17 101/13	fumes [3] 80/8 81/8
flowable [2] 42/7	101/23	82/4

F	21/3 21/22 22/12 26/8 27/4 27/8 37/11 43/20	92/5 101/13 112/19 120/5
functioning [1] 117/9	get [22] 8/13 12/13 14/12 17/19 20/3 21/15 28/7 36/11 36/17 38/3 40/1 45/22 49/24 52/6 53/8 57/17 61/8 91/8 103/22 111/9 114/15 114/23	goal [2] 14/7 18/21 goes [13] 12/1 12/3 22/13 25/12 29/4 46/6 53/20 53/23 55/22 61/13 92/17 105/11 109/22
further [9] 45/8 51/1 58/9 65/17 78/17 90/1 92/12 121/10 121/12	gets [3] 21/9 33/14 116/9	going [61] 6/18 7/7 8/21 8/22 10/1 10/20 17/9 17/10 18/9 18/10 18/14 18/18 20/16 22/17 23/14 27/11 28/10 28/14 38/18 39/11 39/13 40/5 40/22 44/20 45/21 46/14 49/20 50/3 52/13 53/1 53/3 53/3 59/2 61/2 61/11 62/23 63/12 65/19 74/12 75/7 82/20 84/5 84/6 88/7 89/6 89/14 89/15 93/10 95/24 108/3 110/6 110/10 110/11 113/24 114/23 116/17 117/2 117/4 117/15 118/2 120/17
future [1] 78/20	getting [1] 119/6 giant [1] 24/7 Gibson [1] 23/8 give [7] 51/20 53/14 58/22 59/1 59/10 82/19 109/14 given [12] 8/8 10/17 14/15 45/12 50/13 82/1 92/9 93/7 100/8 100/13 101/5 102/22	gone [1] 40/22 good [15] 4/2 4/12
G		
G146 [1] 67/10		
Gale [3] 3/22 90/18 93/19		
gas [2] 6/4 117/15		
general [8] 6/15 42/13 57/10 60/14 94/22 96/13 96/15 111/4		
generally [13] 5/7 5/19 11/9 15/21 16/10 16/15 22/6 35/5 59/19 68/12 73/18 78/12 107/18		
generators [1] 39/2		
generic [6] 48/7 51/14 51/17 111/21 111/24 116/18		
gentlemen [6] 14/2 24/3 24/10 66/4 81/21 112/2		
geology [1] 15/16		
geotechnical [8]		

G

good... [13] 11/11
 23/15 36/8 45/15
 45/18 45/23 66/1
 66/3 66/4 82/14
 86/20 94/1 104/1
 Google [1] 95/17
 got [6] 11/22 12/9
 21/3 27/4 34/22
 58/17

grading [1] 41/23
 Grafton [1] 115/19
 granite [2] 26/6
 93/13
 gravel [2] 43/2
 53/21
 gravels [1] 43/16
 great [3] 57/16
 60/10 113/9
 greater [2] 5/22
 36/1
 Gretchen [1] 104/2
 ground [5] 11/7
 19/6 23/13 68/13
 119/15
 group [5] 31/6 66/9
 90/16 120/5 120/7
 grove [1] 96/8
 growth [2] 92/21
 93/3
 guarantee [1] 58/8
 guardrail [1] 103/8

guess [18] 6/10 6/13
 9/5 12/8 14/8 15/1
 16/3 17/5 29/2
 39/21 44/2 53/20
 83/22 94/17 106/8
 112/5 115/16
 116/10
 guides [2] 106/24
 107/19

H

habitat [1] 87/24
 had [24] 5/9 5/14
 15/1 20/6 24/5
 25/23 26/15 28/9
 28/12 31/1 31/12
 32/6 32/19 33/23
 34/2 42/17 71/23
 80/19 99/16 99/22
 101/13 109/21
 114/2 115/20
 half [6] 6/17 29/16
 29/19 29/20 39/13
 57/10
 halfway [1] 113/22
 hammer [1] 24/8
 HAMPSHIRE [14]
 1/1 1/4 1/9 9/3 43/9
 65/11 97/20 98/13
 104/11 104/17
 104/23 105/1
 114/17 118/13
 Hampshire-based
 [1] 104/11

happen [7] 32/12
 59/21 72/16 81/15
 110/9 111/5 111/10
 happened [2] 32/9
 112/3
 happening [1]
 61/17
 happens [4] 50/17
 68/10 116/13
 117/14
 happy [2] 10/4
 75/17
 Hard [2] 33/21 92/9
 has [33] 4/24 7/11
 9/8 15/8 21/6 23/1
 29/13 40/1 44/22
 48/9 56/5 63/15
 66/10 66/16 66/19
 67/4 69/22 70/1
 73/13 74/22 75/11
 80/14 88/14 92/13
 92/21 93/2 100/5
 101/1 106/12 115/7
 115/13 117/12
 120/7
 hasn't [1] 56/2
 hatch [3] 90/24
 91/23 92/1
 have [138]
 haven't [1] 54/23
 having [7] 11/15
 35/6 35/13 40/21

H	58/10	74/4 96/17 96/22
having... [3] 63/14	heights [1] 58/18	108/13
78/23 100/12	held [1] 93/14	highly [1] 30/9
haystack [2] 22/18	help [2] 72/18	Highway [5] 3/19
27/17	110/14	3/20 43/10 95/21
HDD [12] 5/2 5/15	helps [1] 76/13	102/15
6/9 11/2 13/16 15/2	her [1] 90/5	Highway/Route [1]
15/8 15/13 17/7	herbicide [1]	102/15
17/13 22/15 93/16	119/15	Hill [1] 118/1
he [6] 28/24 41/16	herbicides [1]	hillside [1] 41/21
63/11 63/13 77/20	119/17	Hilton [1] 63/8
100/17	here [38] 4/16 23/6	him [1] 40/23
He'd [1] 75/16	23/18 38/9 43/15	his [7] 16/4 21/20
he's [1] 29/1	43/22 45/2 45/11	26/12 28/16 41/15
head [1] 104/15	45/11 45/22 46/3	63/12 75/15
heading [1] 71/7	47/15 48/4 48/8	hit [2] 24/15 67/19
heads [1] 90/7	54/23 58/21 61/5	Hobo [1] 98/16
hear [1] 81/12	61/14 75/2 75/10	hole [17] 6/11 6/16
heard [5] 9/9 13/19	75/21 76/5 83/15	6/23 12/3 13/14
28/13 63/11 64/17	85/9 90/3 92/19	15/11 15/12 15/15
hearing [4] 1/11	93/12 98/21 99/5	15/17 15/23 16/2
65/22 75/18 120/21	100/8 101/2 102/11	16/14 16/18 16/18
hearings [3] 9/8	102/23 105/16	28/7 28/10 28/14
28/3 28/5	108/9 116/4 116/13	holes [5] 6/6 6/8
heat [1] 42/10	118/13	12/14 13/5 26/8
heavily [1] 31/24	hereby [1] 121/4	homes [1] 80/9
heaving [2] 42/12	hereinbefore [1]	Honigberg [1] 1/13
42/15	121/7	hoping [1] 75/5
heavy [6] 49/8	high [4] 5/20 47/16	horizontal [2] 4/23
51/12 116/8 116/20	60/17 99/12	79/9
116/22 117/7	highlight [1] 83/14	horrified [1] 63/11
height [2] 58/7	highlighted [4]	Horse [1] 99/13

H

hotel [2] 63/8 63/10
 hour [1] 17/18
 hours [2] 24/9 80/9
 housing [3] 79/23
 80/1 81/6
 Houten [5] 2/7
 45/14 48/11 49/3
 50/24
 Houten's [1] 78/4
 how [32] 5/3 9/20
 10/2 12/14 13/3
 29/22 30/6 47/12
 51/4 53/14 58/23
 59/4 60/8 61/3
 62/19 66/15 79/4
 83/22 84/13 85/24
 86/1 87/11 88/14
 91/1 91/12 92/15
 103/20 108/24
 116/13 118/16
 118/16 118/19
 huge [1] 23/13
 huh [13] 32/17
 97/17 104/19
 104/24 107/14
 109/7 111/12 113/1
 114/2 115/9 119/13
 119/17 119/23
 hundreds [1] 35/13
 hydrocarbons [3]
 44/12 44/19 44/22

I

I'd [9] 14/12 66/17
 67/16 68/22 70/15
 74/1 104/10 108/9
 108/10
 I'll [16] 4/16 4/19
 23/24 36/17 38/3
 42/3 47/15 67/17
 74/16 74/21 82/10
 94/17 97/24 98/1
 101/18 103/11
 I'm [88] 4/3 4/13
 4/19 11/21 12/5
 12/8 13/2 13/19
 13/21 14/12 17/16
 17/19 18/9 20/17
 21/1 23/14 25/3
 25/9 25/9 25/15
 27/11 28/4 29/9
 31/6 32/12 35/1
 35/20 39/21 40/5
 40/8 40/22 45/21
 50/7 51/8 52/23
 55/7 58/4 66/5 68/6
 69/11 69/14 70/24
 72/7 72/9 72/10
 73/10 73/23 76/2
 76/12 76/14 76/16
 78/2 82/2 82/22
 83/1 83/17 86/10
 89/23 90/3 90/11
 90/14 91/7 91/23

92/24 97/11 98/3
 98/4 100/4 101/10
 102/3 104/1 105/23
 110/5 112/6 112/14
 112/20 114/12
 114/13 115/2
 116/10 116/17
 117/15 117/24
 118/1 118/3 118/4
 118/11 118/14
 I've [11] 5/9 5/12
 13/18 13/24 16/19
 46/9 58/20 59/8
 92/10 92/11 103/4
 I-93 [1] 59/7
 Iacopino [1] 1/20
 IBEW [1] 120/11
 iceberg [1] 23/12
 idea [5] 59/10 60/15
 62/19 86/20 94/1
 ideal [1] 11/17
 identification [1]
 98/24
 identified [8] 21/7
 25/19 37/13 62/15
 72/6 73/7 97/14
 118/23
 identify [2] 73/15
 102/18
 IEC [1] 108/1
 illuminated [2]
 58/3 58/4

I		
Illuminating [1] 107/23	include [5] 36/24 38/16 38/21 39/1 39/5	information [17] 10/11 22/11 37/1 56/6 60/6 66/19 72/20 75/22 99/24
image [3] 47/15 87/5 91/10	included [4] 37/22 40/19 40/19 115/10	100/8 100/11 100/23 102/5 102/7 102/11 106/18 112/3
images [1] 45/22	including [3] 9/13 10/8 45/18	initial [3] 11/7 15/10 34/16
imaginary [1] 75/8	incoming [1] 11/20	initially [2] 39/21 40/5
imagine [1] 74/7	increase [1] 44/18	inquiry [1] 67/12
immediate [1] 53/11	increased [3] 41/8 58/9 82/3	inside [1] 106/18
immediately [3] 60/18 96/21 103/2	indicated [14] 7/4 10/11 30/7 33/23 47/2 55/11 56/2 56/5 60/6 62/17 73/10 91/16 91/22 113/17	install [7] 6/3 21/5 21/18 26/3 27/6 109/5 110/19
impact [9] 10/16 37/2 41/24 57/18 60/15 86/2 86/19 88/7 117/12	indicates [5] 20/21 26/24 49/20 50/5 66/13	installation [1] 10/8
impacted [2] 91/21 92/16	indicating [4] 12/6 12/17 28/17 45/17	installed [4] 6/19 83/12 108/18 109/13
impacts [4] 41/8 57/11 57/13 89/2	indication [2] 45/12 118/22	Institute [1] 107/21
impede [1] 75/7	individual [2] 12/1 117/7	integrity [1] 93/5
important [1] 15/12	individually [2] 6/3 13/5	intended [2] 74/6 106/5
impression [2] 55/4 55/8	industry [2] 68/1 68/3	intending [1] 6/2
imprudent [1] 10/19	inferring [1] 6/13	intention [1] 19/5
inch [4] 6/3 6/9 6/11 6/22	infiltrate [1] 43/4	interested [7] 100/11 106/2 108/22 112/14 112/21 116/3 121/15
inches [6] 6/23 12/18 74/13 74/19 76/19 77/8		

I	involved [6] 6/1 15/17 16/21 31/24 32/3 88/9	70/14 73/6 73/8 74/6 74/8 75/7 78/1 82/1 82/20 83/1 85/1 85/4 85/24 88/4 88/6 88/20 91/15 91/23 92/2 92/6 92/6 93/12 96/7 97/6 98/2 101/3 101/4 102/6 103/16 104/16 106/5 108/6 110/19 111/24 117/4 118/10 119/2
interfere [2] 11/16 93/5	involvement [1] 100/17	items [2] 37/1 86/6
interim [1] 115/13	Iron [1] 99/13	its [3] 50/1 53/12 103/11
international [2] 107/24 107/24	irrelevant [1] 111/7	itself [3] 29/18 92/1 116/23
interpret [1] 109/1	Iryna [1] 1/20	J
interpretate [1] 109/2	is [358]	jackpot [1] 116/9
interpretation [1] 108/23	isn't [4] 8/13 93/17 100/10 110/10	Japanese [2] 118/5 118/18
interrupt [1] 15/19	issue [4] 15/6 31/16 80/4 80/11	Jeanne [1] 66/5
interrupted [2] 16/19 16/19	issued [1] 84/14	Jenness [2] 95/20 96/6
interruption [1] 57/3	issues [6] 21/14 35/13 36/4 41/17 76/5 107/19	Jo [1] 66/9
interrupts [1] 19/2	it [247]	job [2] 49/12 107/2
intersection [1] 96/5	it's [78] 7/14 13/21 14/16 14/20 15/4 15/18 16/3 17/4 17/12 18/23 20/18 20/19 23/12 26/19 26/20 26/22 29/13 29/15 30/7 30/9 30/10 30/12 33/23 35/18 36/8 39/12 39/13 40/13 43/2 43/24 47/5 50/12 50/19 54/16 57/15 58/1 59/14 66/15 67/14 67/22 68/18	job-oriented [1] 107/2
intersects [1] 47/19		John [3] 49/1 95/20 96/5
intervenor [1] 120/7		Johnson [6] 21/1
intimately [1] 69/11		
introduce [1] 66/18		
introducing [1] 43/23		
invasive [4] 118/8 118/10 118/12 118/17		
investigation [1] 92/7		

J

Johnson... [5] 26/1
 26/10 26/17 27/2
 70/5
 Johnson's [1] 94/4
 Joint [1] 1/8
 joyriders [1] 54/19
 Jr [2] 3/14 3/16
 juggling [1] 25/10
 July [1] 115/23
 jumps [1] 91/7
 June [1] 70/5
 jurisdiction [1]
 56/17
 just [54] 12/14
 13/19 15/5 16/8
 17/19 23/24 26/11
 28/7 29/3 30/7
 30/22 31/6 34/10
 40/12 43/3 45/2
 47/16 48/7 49/23
 51/11 51/23 52/1
 52/12 52/16 52/20
 53/1 59/15 61/5
 69/19 74/5 74/14
 75/11 76/15 77/2
 77/5 77/23 79/6
 79/17 81/4 82/19
 83/1 85/3 92/1
 92/11 94/22 100/5
 105/16 106/22
 110/11 111/4

114/12 115/19
 117/16 120/14

K

Kathryn [1] 1/14
 keep [3] 90/10 93/9
 115/15
 kept [2] 92/21 93/3
 kind [13] 22/17
 23/11 34/12 35/3
 44/8 83/13 98/2
 107/10 107/10
 109/23 116/3
 116/13 117/1
 kinds [3] 112/20
 116/11 116/14
 knew [4] 31/18
 32/23 34/17 118/6
 knob [1] 71/22
 knotweed [3] 118/6
 118/18 119/7
 know [58] 8/11
 9/10 13/24 14/1
 14/8 17/7 22/1 22/6
 22/12 23/18 31/15
 34/4 35/12 35/18
 41/14 41/14 43/19
 46/22 47/9 49/5
 53/9 55/24 58/2
 58/12 59/1 60/10
 61/17 63/6 63/10
 63/15 69/12 72/20
 77/13 78/9 79/1

79/3 79/6 79/11
 82/23 84/11 89/12
 93/22 98/3 99/20
 101/3 101/4 101/11
 103/1 105/16 106/6
 111/14 112/1
 114/16 115/5
 115/14 116/2 116/7
 119/5
 knowing [1] 30/21
 knowledge [2] 76/3
 87/24
 known [3] 42/8
 44/19 95/21
 Kris [1] 23/9
 kV [12] 67/9 69/7
 69/22 74/12 76/20
 79/7 79/24 83/9
 83/11 84/19 84/20
 87/7

L

labeled [3] 66/18
 96/20 99/5
 lack [3] 102/1
 108/20 109/8
 lacking [1] 102/11
 laid [1] 91/15
 Lakes [5] 2/6 4/4
 4/10 4/13 23/22
 land [4] 35/2 53/12
 54/20 55/1
 landowner [4] 35/2

L		
landowner... [3] 35/12 73/5 76/4	laymen [2] 9/24 44/2	letter [1] 93/19
landowner's [1] 54/24	layout [6] 7/2 7/15 7/15 9/23 78/15 79/5	level [4] 34/19 37/21 81/5 107/16
landowners [2] 25/17 36/5	LCR [3] 1/24 121/17 121/18	levels [2] 82/3 102/8
lane [4] 5/12 59/11 59/20 60/15	lead [1] 101/22	Licensed [2] 121/3 121/18
lanes [2] 60/24 103/22	leading [1] 96/8	life [2] 115/4 115/14
lapse [1] 89/7	leads [1] 56/21	light [2] 50/24 57/24
Lara [1] 45/10	lease [1] 67/4	like [56] 5/17 9/11 13/17 14/12 22/18 22/22 23/12 23/12 24/9 24/15 28/14 30/4 42/14 43/2 48/1 49/11 49/18 53/15 62/2 66/17 67/16 68/22 69/7 70/15 74/1 81/12 84/1 84/2 84/17 85/23 87/11 88/15 89/3 89/18 89/19 89/21 94/6 97/1 99/22 101/14 104/5 104/10 105/16 106/9 108/9 108/10 110/24 111/21 112/23 113/9 116/8 116/17 117/16 118/18 119/5 119/18
large [8] 3/8 3/9 23/6 31/22 32/23 65/9 86/23 115/7	least [3] 6/9 11/13 96/19	
larger [8] 5/8 5/23 6/1 12/22 13/11 30/17 86/21 107/7	leave [2] 52/24 53/1	
last [9] 42/5 64/6 64/12 72/9 72/21 88/24 93/24 100/1 101/3	leaving [1] 29/19	
later [1] 37/23	ledge [3] 38/18 71/22 73/1	
lattice [2] 69/4 69/5	left [3] 46/23 90/21 91/9	
law's [1] 68/24	legally [1] 31/10	
laydown [10] 5/3 5/4 5/8 5/11 5/15 6/6 7/5 37/4 62/8 62/16	Lenahan [1] 1/20	
laying [1] 102/20	length [2] 5/20 60/8	
layman [1] 6/10	lengths [1] 7/6	
	less [3] 30/13 60/3 109/4	
	let [9] 18/11 18/19 32/21 40/23 50/18 76/10 98/2 105/16 109/18	
	let's [8] 20/8 22/7 29/21 42/4 57/14 99/10 110/21 120/1	

L	list [2] 99/3 120/4	62/7 62/23 72/7
likely [1] 7/8	listed [2] 10/23	72/10 93/23 95/6
likening [1] 44/8	102/10	locations [8] 16/21
limitations [2]	listen [1] 24/6	20/18 21/7 21/22
91/14 106/9	listened [1] 28/12	87/7 113/6 113/16
limited [1] 85/16	literally [2] 109/2	115/6
limits [4] 18/8	110/7	lodge [1] 87/4
18/13 18/20 20/7	little [19] 11/22	logging [1] 38/23
Lincoln [5] 97/22	19/4 21/4 21/8 21/9	long [11] 28/11
98/6 98/12 98/16	21/17 22/10 26/2	58/23 60/9 62/19
98/17	26/10 27/5 43/13	83/22 84/13 88/5
line [41] 19/2 19/7	49/17 59/15 82/19	89/14 116/24
28/5 46/5 50/15	83/2 83/20 98/9	116/24 117/11
50/16 52/7 59/4	111/19 117/12	long-term [3] 89/14
61/20 67/9 67/10	Littleton [1] 61/13	116/24 117/11
68/19 69/13 69/22	live [3] 23/19 65/12	longer [3] 5/21
70/6 73/12 74/4	65/13	10/10 17/18
74/12 75/8 76/20	living [1] 119/10	look [7] 68/22 69/1
77/19 78/9 78/24	LLC [1] 1/8	70/15 74/1 78/7
79/3 79/24 83/9	loaded [1] 114/17	79/17 105/20
83/9 83/10 83/11	loads [1] 38/17	looking [7] 31/21
84/19 84/20 84/22	local [2] 87/24	63/3 91/9 95/8
87/7 97/22 98/6	104/4	114/12 115/18
98/15 102/12	locate [1] 91/6	116/7
102/21 103/14	located [9] 63/14	looks [3] 103/3
113/16 114/10	70/20 71/2 91/4	105/16 116/8
Line 11 [1] 70/6	95/13 95/24 96/9	lost [1] 76/15
linear [4] 5/11 5/15	103/14 108/19	lot [14] 4/17 30/14
28/22 34/4	location [16] 17/14	40/14 43/21 49/11
lines [8] 3/18 6/5	17/16 37/4 37/6	53/22 63/6 63/12
6/5 68/7 68/16	37/7 46/7 46/21	79/19 96/17 107/3
69/20 86/7 117/5	48/24 54/17 60/20	107/4 115/13

L	majority [2] 29/6 29/11	map [14] 46/3 46/24 56/9 59/13 74/3 95/7 96/2 96/18 97/14 99/12 102/7 115/17 115/18 116/4
lot... [1] 115/23	make [10] 8/2 23/17 23/24 29/5 32/7 32/20 84/3 88/10 117/8 117/10	maple [4] 90/20 90/21 90/23 91/18
lots [2] 111/1 111/1	makes [1] 16/8	maps [4] 3/23 71/4 71/14 96/12
lunch [2] 120/17 120/19	making [1] 91/4	marked [3] 95/9 96/10 96/18
M	manage [1] 87/21	marks [1] 43/13
machinery [1] 7/16	managed [1] 88/15	Martin [1] 1/13
machines [1] 17/3	management [8] 104/6 104/21 105/11 105/15 107/11 114/16 114/24 115/3	Mass [1] 99/14
made [10] 10/13 31/16 42/19 65/2 70/23 76/17 87/10 87/17 113/18 113/20	manmade [1] 43/24	material [6] 42/9 42/22 43/20 44/24 54/13 119/11
magnitude [5] 32/13 32/15 36/1 54/17 114/9	manual [11] 31/3 33/2 104/11 104/17 104/21 105/2 105/18 106/3 106/11 106/17 107/10	materials [2] 43/1 45/4
mailing [3] 99/12 102/5 102/7	manually [1] 30/2	mathematically [1] 30/2
Maine [5] 60/12 96/19 96/21 97/15 99/10	manuals [10] 104/12 104/15 104/18 105/7 105/24 107/4 107/6 107/11 114/24 115/11	mathematician [1] 35/20
mainly [2] 20/2 106/2	many [6] 19/12 34/13 47/12 50/2 102/8 109/16	mats [1] 89/16
maintain [1] 50/16	Manzelli [1] 34/21	matter [1] 35/10
maintained [1] 108/18		matters [1] 30/16
maintenance [4] 48/21 59/19 104/22 106/4		matting [3] 89/5 89/5 89/8
major [3] 32/7 60/11 115/20		mature [1] 72/1
		Max [1] 104/2
		maximum [2] 9/17

M**maximum... [1]****9/19****may [36] 4/11 4/18****10/4 15/20 16/13****16/18 18/3 18/3****20/13 21/18 24/11****25/13 25/21 35/17****42/9 56/19 60/6****61/10 61/16 61/16****70/23 73/20 75/14****76/8 76/11 79/21****80/17 85/3 86/21****86/23 86/24 100/23****102/9 102/10****102/24 119/11****May 1st [1] 20/13****maybe [15] 7/11****7/13 32/15 42/3****50/16 58/16 69/2****82/4 84/6 88/21****89/12 92/18 94/12****104/16 110/14****McDonnell [1]****108/4****me [28] 6/10 10/1****13/22 15/1 18/11****18/19 21/10 24/5****32/21 41/16 49/20****50/18 53/14 55/16****58/22 59/10 70/19****76/7 76/14 85/2****96/16 98/3 101/2****101/11 101/22****103/3 109/14****109/18****mean [13] 8/12****15/4 22/18 39/18****39/19 44/2 53/16****61/7 65/1 78/21****88/8 88/10 114/11****measures [3] 89/1****119/3 119/4****meet [5] 21/13 31/3****31/19 33/1 116/14****member [3] 1/17****66/9 94/13****members [1] 45/20****Menard [6] 2/8****65/24 66/5 75/13****80/6 80/13****mention [2] 41/17****94/18****mentioned [5] 14/5****34/22 39/10 41/19****79/1****Meredith [1] 98/19****merits [1] 1/11****methods [1] 88/3****microtunnel [1]****9/11****middle [5] 69/20****69/23 70/2 74/6****85/9****midst [1] 15/14****might [21] 10/16****13/7 13/23 15/24****54/8 58/21 60/16****60/23 61/19 61/20****62/4 65/10 76/7****76/8 78/19 78/19****78/20 93/16 94/19****110/3 114/6****mile [10] 23/19****24/13 26/4 26/4****49/19 53/16 54/6****54/9 57/10 58/21****miles [6] 33/20****47/24 57/15 98/7****102/14 111/1****Miller [1] 59/6****mind [4] 35/11 91/3****114/20 114/21****minimize [1] 89/2****minimum [8] 6/17****9/16 9/18 10/24****67/8 110/16 114/3****114/6****minute [2] 18/19****65/19****Misstates [1] 63/18****mobilization [1]****10/9****mode [1] 16/6****modifications [1]****78/19**

M

modified [2] 78/23
79/5
money [2] 24/18
53/22
monitoring [1]
112/19
Monroe [1] 1/21
month [1] 89/6
months [1] 42/12
Montreal [1] 60/12
monument [1]
93/13
more [26] 6/4 7/14
8/2 8/4 11/17 19/19
24/18 28/12 35/16
35/19 37/10 40/6
41/6 42/9 42/11
42/22 43/5 77/21
78/6 83/2 83/20
92/7 99/22 102/12
106/4 107/19
morning [13] 1/4
3/11 4/2 4/12 45/15
45/18 45/23 66/2
66/3 66/4 82/14
104/1 120/21
most [6] 6/8 15/12
46/15 60/6 71/15
115/11
mostly [1] 5/11
Motel [3] 3/22

90/19 93/20
mouth [1] 23/8
move [17] 8/18 8/24
15/6 16/7 27/11
32/22 33/17 33/24
36/15 42/4 43/4
43/5 53/6 59/4
67/20 101/23
117/17
moving [4] 7/18
11/1 36/18 38/3
Mr [24] 2/6 2/7 2/9
4/22 9/15 11/1
17/22 18/4 20/13
28/2 28/3 32/21
34/24 38/7 41/15
42/6 44/1 107/9
107/9 107/13
107/17 111/14
115/17 116/16
Mr. [44] 4/4 4/10
18/16 19/22 21/1
23/22 25/13 25/18
26/1 26/10 26/15
27/2 27/19 28/9
36/21 38/11 45/14
48/6 48/11 49/3
50/23 70/5 75/9
75/14 77/19 78/4
80/2 82/9 82/17
83/5 83/12 85/5
85/14 85/18 87/3

87/15 94/4 100/3
111/20 118/5 120/4
120/6 120/10
120/14
Mr. Ahern [1]
118/5
Mr. Bowes [7]
25/13 25/18 82/17
83/5 83/12 87/3
87/15
Mr. Chair [4] 48/6
75/9 80/2 111/20
Mr. Cote [3] 82/9
85/5 85/18
Mr. Johnson [5]
21/1 26/1 26/10
27/2 70/5
Mr. Johnson's [1]
94/4
Mr. Lakes [3] 4/4
4/10 23/22
Mr. Needleman [4]
75/14 85/14 100/3
120/14
Mr. Quinlan [1]
77/19
Mr. Raff [3] 120/4
120/6 120/10
Mr. Scott [2] 18/16
28/9
Mr. Scott's [1]
26/15

M

Mr. Taylor [4]
 19/22 27/19 36/21
 38/11
Mr. Van [5] 45/14
 48/11 49/3 50/23
 78/4
Ms [13] 2/8 2/10
 2/10 2/11 2/12
 34/21 44/11 65/23
 75/13 80/6 80/13
 90/3 109/18
Ms. [8] 81/14 90/3
 90/5 94/10 100/9
 100/22 103/24
 111/24
Ms. Crane [3]
 94/10 100/9 100/22
Ms. Draper [2]
 103/24 111/24
Ms. Pacik [1] 81/14
Ms. Schibanoff [1]
 90/3
Ms. Schibanoff's
 [1] 90/5
much [12] 6/1 7/19
 10/10 15/20 39/13
 40/2 50/5 53/15
 58/18 92/15 105/6
 120/2
mud [1] 38/21
multiple [7] 32/1

45/17 54/22 83/7
 84/10 89/2 89/20
municipalities [1]
 107/5
my [56] 4/12 5/19
 7/4 8/6 8/10 8/15
 10/6 13/15 14/8
 15/19 29/24 35/11
 35/11 36/1 36/17
 39/22 43/19 44/13
 44/14 45/22 45/23
 47/15 48/23 52/12
 55/4 55/8 66/5 68/5
 68/18 68/24 71/5
 71/9 73/9 74/22
 75/18 76/18 79/1
 82/15 85/16 88/16
 88/24 91/8 92/5
 92/13 96/4 100/12
 103/23 104/15
 107/3 112/12
 112/13 113/5
 114/21 120/4 121/5
 121/7
my situation [1]
 44/13

N

N.H [1] 121/18
name [3] 4/12 66/5
 68/17
NAPO [2] 3/22
 90/18

NAPO-BP [2] 3/22
 90/18
narrower [2] 19/20
 39/23
Nathan [3] 18/4
 20/14 28/2
national [3] 67/24
 107/20 116/6
national-oriented
 [1] 107/20
natural [2] 108/21
 109/8
nature [2] 41/8
 67/12
navigates [1] 11/7
near [6] 12/6 14/19
 53/11 71/20 72/5
 80/9
nearest [1] 71/21
necessary [5] 25/16
 25/20 67/15 92/22
 108/18
need [28] 4/4 11/3
 11/24 12/12 17/18
 18/18 22/24 24/24
 25/2 25/4 25/5 25/7
 25/8 25/9 29/5 37/8
 49/7 49/20 49/23
 50/4 52/11 52/14
 60/18 71/1 79/8
 83/8 92/8 112/17
needed [6] 38/13

N	85/11 89/8 100/12 105/17	none [1] 54/18 nonexistent [1] 22/14
needed... [5] 49/9 66/20 67/9 73/15 112/19	nice [2] 78/1 103/16	normally [2] 6/15 11/13
needle [3] 17/6 22/18 27/17	no [55] 1/7 1/23 1/24 2/3 3/3 3/3 4/6 5/17 10/14 20/2 21/4 21/15 21/17 21/20 22/10 24/14 25/5 26/3 26/10 27/5 31/12 38/19 38/24 39/4 39/9 45/8 45/12 47/23 48/16 50/21 51/19 52/3 52/12 52/13 52/22 53/5 53/17 55/21 56/22 60/18 63/9 65/17 68/21 75/2 81/4 89/15 90/1 94/12 97/18 100/8 114/12 115/17 118/17 120/9 121/18	north [4] 46/19 71/4 99/13 102/14 northern [20] 1/8 3/17 16/22 25/21 63/12 66/20 67/10 69/8 71/23 75/1 76/5 77/19 84/22 93/20 93/21 93/24 94/1 99/1 100/19 101/5
needs [8] 6/16 8/21 15/6 83/9 83/9 83/10 93/3 114/15	nobody [1] 118/6	not [116] 4/16 5/17 7/24 10/4 12/5 13/21 17/4 18/23 20/1 20/17 20/22 21/7 21/18 25/7 25/19 28/4 30/9 30/21 31/14 32/15 32/24 33/3 33/23 34/8 34/14 35/1 36/22 36/24 37/17 38/24 43/2 43/17 43/23 46/13 47/2 47/11 50/7 51/2 51/8 53/2 53/3 53/22 55/5 55/8 58/4 58/6 60/3 61/16 62/21 63/9
neighborhood [1] 40/10	noise [9] 40/14 57/23 66/8 79/17 79/20 79/21 81/7 81/22 82/3	
neither [1] 121/10	nominal [1] 12/17	
new [37] 1/1 1/4 1/9 5/18 9/3 23/8 43/9 48/8 54/17 56/23 65/11 75/10 75/21 83/9 83/11 84/19 84/21 97/19 98/13 100/8 100/11 101/2 101/3 101/4 104/11 104/16 104/22 105/1 106/6 106/7 112/3 112/10 112/14 113/13 114/17 115/11 118/13	Non [3] 90/15 94/14 95/9	
next [11] 11/23 12/11 20/8 23/7 23/14 63/12 84/9	Non-Abutters [3] 90/15 94/14 95/9	

N

not... [66] 65/6 68/6
68/18 69/11 70/19
70/23 72/7 72/10
73/5 73/8 73/10
73/20 73/23 75/7
75/18 76/2 76/8
76/12 76/14 76/16
76/20 77/14 77/21
78/20 79/2 79/5
79/11 80/17 80/21
84/15 85/1 86/10
86/21 89/23 91/23
92/24 93/14 93/22
94/12 97/11 97/18
99/18 100/12 101/1
101/7 101/10
101/23 102/2 102/3
102/6 105/23 106/5
110/3 110/5 112/7
112/7 113/18 114/6
114/19 114/21
115/13 117/2 117/4
119/12 119/24
121/13
note [1] 41/22
noted [7] 5/4 5/9
14/4 17/13 31/1
44/11 120/23
notes [1] 121/6
nothing [7] 48/8
48/9 64/17 75/10

75/10 75/21 101/21
notice [1] 46/10
noticed [2] 46/12
56/9
notification [2]
99/3 102/1
notified [1] 100/12
notify [2] 96/24
97/6
Nottingham [1]
69/1
now [33] 8/14 9/5
9/8 9/22 13/15
15/10 21/18 26/4
32/19 38/16 39/23
47/23 48/14 49/4
52/7 52/12 52/13
54/18 58/11 73/19
73/21 97/13 100/2
100/4 100/6 101/8
105/14 106/23
108/3 112/17
114/14 115/19
120/10
NPT [4] 5/4 15/8
31/2 67/4
nuanced [1] 4/18
nuisance [1] 54/19
number [24] 4/14
10/17 13/19 17/24
20/9 22/13 23/5
24/22 26/21 29/13

36/16 38/12 38/21
39/15 43/7 43/12
46/3 62/8 64/16
67/3 69/4 70/18
90/18 95/24
numbers [2] 29/3
74/15

O

o'clock [1] 120/18
object [2] 63/21
116/17
objecting [1] 100/4
objection [19] 26/9
40/18 40/23 41/10
48/6 49/2 51/6
63/18 75/9 75/15
80/2 80/12 80/18
85/1 90/6 99/19
100/21 111/20
117/18
objections [1]
77/23
observe [1] 95/5
obstructions [2]
27/18 94/3
obvious [2] 9/24
73/3
obviously [2] 105/8
106/21
occur [3] 10/20
65/14 83/8
October [2] 1/3

O**October... [1] 108/5****October 2015 [1]****108/5****off [17] 8/3 11/24****12/13 14/11 24/13****29/12 29/23 41/7****46/12 46/13 65/19****90/23 90/24 99/11****104/14 120/14****120/15****Off-the-record [1]****120/15****offer [4] 50/9 56/21****80/20 84/12****offered [3] 78/16****78/20 80/23****Officer [1] 1/13****often [1] 32/12****Oh [4] 23/2 25/3****49/6 66/24****oil [1] 117/15****okay [102] 4/22 7/2****11/1 12/8 13/15****14/6 14/24 16/23****17/22 18/7 18/18****20/8 24/1 27/10****28/2 28/19 28/24****35/4 38/3 38/21****42/3 42/21 43/6****45/8 46/10 46/17****47/2 47/3 47/4 47/9****48/10 49/6 51/15****53/14 53/18 54/13****54/16 54/23 55/4****55/16 55/20 56/8****56/20 56/23 56/23****57/24 58/6 58/13****58/20 59/5 59/23****60/2 60/10 61/22****62/14 64/13 65/8****68/20 68/22 70/15****72/13 74/1 74/17****76/18 77/18 79/7****79/15 89/24 90/9****91/12 94/11 94/12****95/7 95/16 96/10****96/24 97/8 97/13****97/19 103/3 105/14****105/22 106/1 107/9****107/17 108/3****109/18 110/3 110/9****110/18 110/21****110/21 111/12****112/5 113/8 113/10****113/11 114/22****114/23 115/16****119/4 119/23****old [1] 115/1****Oldenburg [1] 1/16****once [3] 32/19****67/19 78/6****one [60] 5/11 6/17****10/20 11/4 11/15****12/10 22/13 26/12****26/21 35/1 35/12****39/11 42/5 42/23****46/21 48/3 49/19****49/23 53/8 54/6****58/22 59/20 59/23****61/9 61/11 61/12****61/13 61/19 62/3****64/6 66/7 68/6 76/4****78/8 78/21 82/22****84/8 84/20 86/4****86/16 87/6 89/7****91/3 91/4 93/17****98/14 102/8 102/12****105/12 105/23****106/1 112/13****112/15 113/6****114/23 115/21****115/24 117/16****118/4 120/18****one-time [1] 117/16****ones [2] 9/11 107/7****only [10] 1/4 3/4****3/6 3/11 7/24 8/16****23/17 48/23 120/3****120/24****open [7] 13/8 34/9****60/23 91/13 92/10****96/7 117/24****open-cut [1] 13/8****opening [1] 6/24****operate [1] 98/14**

O

operated [1] 98/15
operating [2] 98/17
98/18
operation [6] 6/12
16/6 16/15 24/18
26/6 92/17
operational [1]
17/3
operations [1]
48/21
opinion [14] 14/13
32/14 50/9 52/16
56/21 69/6 70/9
80/19 80/22 81/7
81/21 84/12 86/13
100/7
opportunity [1]
64/20
opposed [2] 5/12
42/18
opposite [2] 30/18
103/14
option [1] 93/18
order [10] 8/16
11/9 21/13 50/3
56/19 71/16 72/16
72/17 72/23 73/2
organization [1]
108/2
orientation [2] 91/8
96/4

oriented [5] 10/7
71/4 107/1 107/2
107/20
original [1] 92/5
originally [1] 28/24
other [31] 5/9 5/13
8/19 8/23 9/10 10/6
10/15 10/22 11/16
11/23 12/12 13/18
21/16 22/3 22/7
23/11 27/18 30/12
42/24 47/15 49/22
61/12 63/3 72/14
86/6 88/3 92/12
115/8 120/4 120/5
120/7
others [3] 46/22
82/23 83/3
otherwise [1] 95/21
our [15] 20/5 31/13
40/11 41/2 41/2
41/18 56/4 57/22
66/9 77/15 95/4
110/23 113/15
116/8 116/12
out [24] 10/1 12/3
18/20 20/4 22/14
33/14 34/2 36/9
38/18 58/20 61/5
63/13 72/8 72/12
73/8 73/11 74/17
77/23 91/7 91/16

93/24 94/2 98/17
98/18
outlined [1] 57/22
outside [7] 14/20
29/24 41/20 76/23
88/20 93/10 103/22
over [14] 4/17 8/18
29/15 33/19 40/11
56/17 83/13 84/18
92/20 93/2 93/9
98/14 100/17
108/15
overall [2] 33/5
117/11
overhead [13] 46/4
46/19 47/6 48/8
55/18 61/4 61/20
68/7 68/19 73/12
77/14 79/3 79/13
overrule [1] 40/22
Overruled [1]
77/10
overwhelming [1]
43/21
own [3] 101/5
107/1 107/7
owned [1] 98/12
owner [3] 93/19
93/23 102/2
owners [2] 94/2
97/1
ownership [2]

O	parcel [1] 35/1	23/9 44/11 90/4
ownership... [2] 101/7 102/9	parcels [1] 55/14	path [1] 15/3
owns [2] 97/13 97/16	Park [1] 99/13	Patnaude [3] 1/24 121/3 121/17
P	parking [1] 115/23	Patricia [1] 1/17
	part [17] 13/16 16/10 16/15 33/5 34/15 38/19 50/10	patterns [2] 116/11 116/21
p.m [5] 15/10 15/14 16/4 17/4 17/11	60/11 67/18 72/9 76/12 77/15 87/2	pavement [7] 8/4 29/12 29/18 29/24 41/7 90/23 91/1
Pacik [1] 81/14	87/2 106/16 112/12 113/4	paving [2] 39/7 39/7
pad [2] 71/24 87/8	partial [1] 61/3	Pemi [3] 108/9 116/1 116/5
pads [2] 70/19 71/11	particular [10] 6/2 13/11 14/3 33/22 82/22 94/18 96/18	Pemigewasset [5] 102/16 104/4 109/21 109/23 110/22
page [21] 2/3 3/3 3/4 3/6 3/11 3/13 3/15 3/17 3/19 3/21 18/4 43/12 70/6 72/21 85/12 95/8 95/19 96/10 97/21 105/17 114/9	particularly [3] 8/17 14/10 37/9	pending [3] 27/13 27/14 76/5
pages [1] 3/23	parties [3] 34/22 45/17 121/12	people [1] 88/22
Pamela [1] 1/21	Pass [18] 1/8 3/17 16/22 25/21 63/12 66/20 67/10 69/8 71/23 76/5 77/20 84/22 93/20 93/21 93/24 94/1 99/1 100/19	per [2] 53/15 54/6
panel [17] 2/4 4/5 4/7 4/15 5/15 18/3 18/16 20/12 23/18 23/23 25/14 31/1 45/23 68/20 77/16 120/8 120/12	Pass's [1] 101/5	percent [6] 34/3 34/7 34/7 36/12 38/1 38/2
Pappas [3] 18/4 20/13 28/3	passing [1] 49/22	perfect [1] 65/10
parameters [2] 55/12 62/3	past [3] 17/10 91/19 113/22	perfectly [1] 17/6
	Pastoriza [4] 2/10	performing [1] 19/11
		perhaps [3] 11/14 42/9 42/11
		perimeter [1] 14/21

P	114/13	21/19 37/14 37/16
period [1] 83/23	pilot [5] 15/11	59/5 59/9 60/19
permanent [1]	15/14 16/4 16/17	64/20 64/22 65/1
106/6	16/18	69/10 70/17 71/15
permeable [1]	pipe [3] 11/7 39/5	72/8 72/11 73/4
43/16	44/5	73/11 73/18 91/5
permission [1]	pipes [1] 12/11	105/8
54/24	pit [4] 12/1 14/11	plantings [1] 54/1
permit [4] 89/10	28/21 37/9	plants [1] 37/7
105/12 105/13	pits [3] 11/3 11/21	plate [1] 39/5
119/18	12/7	play [2] 30/16
permitted [3] 78/13	place [10] 50/20	35/23
114/4 114/14	83/14 83/24 84/11	playing [1] 29/3
person [1] 100/14	84/23 86/12 86/14	please [4] 17/23
perspective [1]	115/21 117/10	38/7 71/3 76/14
34/12	121/6	plenty [1] 74/23
phase [3] 87/19	placed [4] 29/22	Plymouth [4] 4/13
88/6 89/7	30/6 53/22 74/12	98/16 103/2 115/21
phases [2] 86/5	placement [2] 37/6	point [24] 14/8 16/7
89/9	92/20	16/13 17/17 20/3
photograph [4] 3/8	places [1] 20/16	23/17 29/5 31/7
3/9 3/22 95/18	plan [16] 9/23 15/9	33/10 36/9 46/18
photographs [1]	17/16 21/5 21/17	47/10 47/14 48/4
3/23	26/3 27/6 48/3	52/9 52/12 57/16
physical [1] 42/16	59/18 72/18 73/16	58/22 69/3 84/18
picked [1] 22/14	73/24 97/20 104/20	85/16 86/22 100/5
pickup [2] 39/8	108/6 108/7	113/22
52/10	planned [2] 14/18	pointed [2] 58/20
picture [5] 23/14	94/5	61/5
91/9 96/3 103/17	planning [2] 11/11	points [4] 47/6
109/19	100/18	50/19 52/6 56/12
picturing [1]	plans [20] 19/21	pole [5] 69/4 71/20

P	possible [21] 7/20 14/16 14/20 15/18 16/24 17/5 17/12 29/22 30/10 31/4 40/12 40/13 54/16 56/11 56/14 58/1 60/22 65/15 85/24 92/2 93/12	21/7 precipitation [2] 116/8 117/12 predict [1] 57/11 preferred [1] 86/13 prefiled [6] 49/12 50/10 104/7 112/11 112/23 113/3 premise [1] 8/15 preparation [1] 95/2 prepare [1] 73/16 prepared [5] 7/4 73/24 75/23 97/20 101/6 preparing [1] 104/12 prescriptive [3] 35/6 35/8 35/23 present [3] 1/12 1/19 121/8 presentations [1] 31/17 presented [1] 94/19 Presiding [2] 1/13 1/13 presumably [1] 18/20 presume [1] 91/18 pretty [6] 23/15 40/1 58/18 76/8 87/6 105/6
pole... [3] 71/20 74/23 74/24	possibly [3] 56/10 83/16 118/24	
poles [2] 70/19 73/2	post [3] 70/8 70/8 73/17	
political [1] 32/5	potential [3] 16/22 20/20 58/15	
pollution [3] 40/15 104/20 108/5	potentially [8] 4/24 61/21 82/4 89/11 106/17 117/3 119/10 119/21	
pond [4] 47/18 59/6 71/6 71/21	potties [1] 115/24	
ponds [1] 72/5	powered [1] 80/8	
poor [3] 43/18 43/22 43/23	practicality [1] 88/12	
population [1] 87/22	practice [1] 114/24	
porous [2] 42/22 43/2	practices [7] 104/6 104/21 105/11 105/15 107/12 114/16 115/4	
port [1] 115/24	pre [4] 3/13 3/15 21/7 73/17	
port-a-potties [1] 115/24	Pre-Filed [2] 3/13 3/15	
portion [9] 23/13 24/6 32/24 38/13 48/8 55/18 55/22 90/16 95/12	pre-identified [1]	
portions [3] 19/13 19/14 32/23		
Portland [1] 60/12		
position [2] 11/6 90/4		
positioned [1] 14/19		
possibility [1] 85/22		

P	procedures [1] 65/4	5/13 10/2 10/6
prevalent [1] 118/19	proceed [3] 4/11 60/7 99/18	16/20 31/23 31/24 32/16 65/10
Prevention [2] 104/20 108/5	proceedings [1] 121/6	prompted [1] 80/24
previous [3] 22/5 80/15 91/8	proceeds [1] 47/20	proper [1] 31/19
previously [2] 55/12 73/14	process [13] 16/11 25/18 32/2 32/6	properties [1] 42/16
prior [1] 53/12	32/18 33/10 34/8	property [20] 14/14
private [6] 14/14 18/23 19/7 47/1 56/12 92/23	34/11 36/7 36/12	15/4 18/23 19/7
privy [1] 65/6	37/23 78/15 111/16	20/4 20/7 34/5 35/7
probably [16] 10/24 31/16 35/15 39/14 40/9 46/15 53/22 59/23 65/6 87/19 88/3 88/5 92/6 113/21 117/2 119/9	product [1] 43/24	55/3 56/12 68/24
problem [5] 19/10 51/19 64/2 116/20 116/24	production [1] 24/16	71/6 92/23 93/23
problematic [1] 79/22	professional [1] 37/21	94/2 96/17 97/1 97/14 97/16 100/17
problematical [1] 35/16	Profile [1] 60/17	proposal [1] 49/17
problems [2] 63/3 94/18	project [37] 5/15 16/22 19/23 32/3 32/19 33/6 33/14 33/22 33/24 34/3 34/4 39/17 46/4 47/4 52/1 52/16 56/16 62/5 66/14 73/6 73/20 73/22 83/1 83/7 84/19 89/8 89/18 97/9 99/16 100/19 108/20 114/4 114/8 114/13 117/4 117/21 117/24	proposed [20] 5/10 5/17 39/24 46/7 47/13 48/1 50/13 50/19 58/2 58/8 58/10 58/17 62/7 63/7 63/8 63/11 79/4 79/24 82/2 87/6
procedure [2] 15/13 40/2	projects [9] 5/9	proposes [1] 103/13 proposing [2] 6/21 109/5 Prospect [1] 57/9 protection [1] 37/12 protocol [1] 89/22 protocols [1] 72/5 provide [2] 72/20

P
provide... [1] 114/7
proximate [1]
94/20
proximity [3] 82/1
95/5 102/22
public [12] 1/9 1/13
1/14 1/17 47/7
47/23 63/16 64/19
80/20 88/17 88/20
107/3
Public's [1] 101/9
PUC [2] 66/22 67/3
pull [2] 16/12 16/17
pull-back [2] 16/12
16/17
pulled [1] 13/14
pulling [1] 13/13
purport [1] 97/23
purports [1] 99/1
purpose [2] 105/18
106/3
purposes [2] 57/1
57/7
pushing [1] 16/4
put [23] 17/23 20/8
21/10 24/22 26/12
28/21 33/16 38/7
40/8 43/6 43/13
44/24 57/17 63/2
65/10 69/20 72/19
74/5 77/23 89/5

101/1 103/12
119/15
puts [1] 74/18
putting [3] 9/21
23/10 28/4
puzzle [1] 101/1
Q
qualified [1] 58/7
quality [1] 89/13
quarter [1] 23/19
question [66] 11/20
12/17 13/1 14/8
18/4 20/13 25/15
27/1 27/13 27/14
27/16 30/1 35/8
36/20 42/4 43/19
45/7 46/1 47/17
50/11 51/9 63/21
63/22 64/3 64/7
64/10 64/11 66/8
66/23 67/7 67/12
71/9 72/23 74/22
76/9 76/10 76/14
76/16 76/17 76/19
77/3 77/6 78/2 78/5
79/16 80/24 81/2
81/9 81/12 83/15
83/22 85/19 87/4
87/16 88/24 91/12
93/1 93/7 99/22
100/13 103/6 111/4
113/5 113/9 113/11

118/4
questioning [3] 4/5
28/2 34/21
questions [24] 4/15
23/23 45/9 45/23
45/23 52/18 65/17
66/7 66/11 67/17
79/15 81/13 82/9
82/16 82/24 90/1
90/5 90/14 94/15
102/13 103/23
112/13 120/7
120/12
quicker [1] 38/4
quickly [3] 46/13
56/9 116/14
Quinlan [1] 77/19
quite [4] 31/1 65/15
81/11 104/5
R
Raff [3] 120/4
120/6 120/10
Rail [1] 97/20
railroad [13] 94/21
96/23 97/15 97/16
98/14 98/16 98/17
98/18 99/11 102/16
102/19 102/22
103/8
railroads [2] 95/5
97/3
Rails [1] 100/15

<p>R</p> <p>rain [2] 116/19 116/22</p> <p>rains [1] 116/20</p> <p>range [1] 38/2</p> <p>rather [2] 37/22 46/12</p> <p>re [2] 1/7 3/17</p> <p>reached [1] 93/23</p> <p>reaches [1] 74/17</p> <p>read [6] 58/14 62/6 98/2 98/5 106/2 108/13</p> <p>reading [3] 41/16 98/1 98/3</p> <p>readjust [1] 116/14</p> <p>ready [2] 65/24 119/6</p> <p>real [1] 64/2</p> <p>reality [1] 10/5</p> <p>realize [1] 77/18</p> <p>really [10] 10/4 17/4 30/5 30/15 34/15 59/2 83/22 106/3 111/23 112/17</p> <p>realm [1] 117/20</p> <p>reason [5] 13/9 31/13 50/21 75/15 80/21</p> <p>reasonable [9] 9/1 26/7 40/7 54/7 60/1</p>	<p>64/18 70/14 94/6 94/7</p> <p>reasonably [1] 32/7</p> <p>rebuild [1] 78/24</p> <p>recall [5] 28/16 35/5 59/18 94/18 96/23</p> <p>receive [1] 31/4</p> <p>received [1] 86/11</p> <p>recently [3] 23/7 60/6 112/3</p> <p>recess [2] 65/21 120/19</p> <p>recitation [1] 100/6</p> <p>reconfigured [2] 78/3 78/5</p> <p>reconfiguring [1] 87/17</p> <p>record [5] 63/19 65/20 120/14 120/15 120/17</p> <p>redesigned [1] 32/5</p> <p>reel [1] 39/6</p> <p>reengineered [1] 32/1</p> <p>refer [3] 13/22 41/2 108/6</p> <p>references [1] 58/6</p> <p>referred [1] 77/19</p> <p>referring [5] 22/20 48/15 59/13 70/24 94/22</p>	<p>regard [6] 4/23 7/22 9/6 18/6 40/2 42/11</p> <p>regarding [4] 28/6 64/17 66/19 81/21</p> <p>regards [2] 18/5 92/19</p> <p>region [1] 60/19</p> <p>regulating [1] 68/9</p> <p>regulation [1] 33/4</p> <p>regulations [3] 21/13 33/7 44/24</p> <p>relate [1] 99/4</p> <p>related [5] 48/7 68/7 79/2 112/2 121/11</p> <p>relates [2] 87/14 100/11</p> <p>relating [1] 82/20</p> <p>relationship [1] 96/16</p> <p>relative [11] 20/4 33/7 35/22 53/23 73/12 82/1 87/11 91/18 91/22 95/4 121/13</p> <p>relocate [1] 64/22</p> <p>relocate the [1] 64/22</p> <p>relocated [3] 74/11 74/23 87/7</p> <p>relocating [2] 63/16</p>
---	---	---

R	57/3 121/4 121/18	resources [1] 37/13
relocating... [1]	reports [1] 95/2	respect [3] 79/20
64/16	represent [2] 67/17	97/8 100/18
rely [1] 107/11	74/5	respond [1] 7/13
remains [1] 9/5	representatives [2]	responded [1] 67/5
remediation [1]	47/5 104/3	response [6] 4/6
45/3	represented [1]	56/22 83/15 87/18
remember [3]	85/2	107/13 120/9
41/16 104/14	request [2] 66/21	responsible [1]
111/17	67/2	100/18
removal [3] 7/23	require [5] 7/23	restart [1] 15/24
25/16 25/18	71/16 78/17 106/21	restate [1] 76/13
removals [1] 25/20	107/5	restoration [1]
remove [7] 8/24	required [11] 20/19	53/24
44/5 53/19 53/21	32/1 37/5 54/4 58/6	restore [2] 53/19
54/9 119/9 119/9	62/9 69/15 86/24	54/9
removed [6] 25/23	97/5 97/10 114/8	restored [1] 53/12
44/23 53/10 89/9	requirement [2]	restoring [1] 53/21
89/17 92/8	97/11 114/3	restructuring [1]
repeat [1] 75/15	requirements [4]	84/21
repeated [2] 89/20	65/7 69/12 69/18	result [2] 6/6 58/9
89/20	89/11	resulting [1] 5/24
repeating [1] 75/19	requiring [3] 5/1	results [3] 21/3
repelling [1] 42/24	6/13 41/6	27/4 27/8
rephrase [2] 76/15	research [1] 115/6	resume [3] 15/19
85/19	reserves [4] 20/23	17/1 120/18
replaced [1] 119/12	20/24 21/2 27/2	resumed [2] 2/4
report [9] 3/19 3/21	reside [1] 79/14	65/22
41/2 41/18 43/11	residences [1] 82/2	resumés [1] 31/21
56/5 57/22 95/4	residents [4] 7/22	retaining [4] 103/5
104/13	57/11 57/19 79/22	103/9 103/11
reporter [4] 1/24	resolved [1] 36/11	109/19

R

review [9] 31/13
37/18 59/5 64/20
73/17 77/14 77/16
104/12 114/7
reviewed [3] 79/11
105/5 105/8
reviewing [1] 114/5
revisions [1] 115/2
revisit [1] 117/8
right [113] 7/19 8/8
8/14 12/14 12/20
14/20 15/3 18/21
19/2 19/12 19/19
20/7 21/2 22/2 23/1
23/3 26/19 26/20
27/3 27/9 27/24
30/3 30/6 31/14
32/19 34/18 38/8
45/13 46/14 48/19
49/4 49/13 51/24
54/2 55/13 56/8
57/24 59/10 59/14
60/4 60/22 61/22
63/4 63/12 63/15
64/13 65/18 65/23
66/15 66/16 66/19
67/8 67/15 67/18
67/21 68/4 68/8
68/11 69/9 69/14
69/21 69/23 69/24
70/1 70/2 70/10

70/22 71/11 71/12
71/21 71/21 73/21
74/6 74/13 74/20
75/1 76/6 81/18
87/5 87/8 87/19
88/17 88/20 90/21
90/22 91/17 91/19
93/8 93/10 101/8
103/15 105/3
105/10 105/14
106/1 106/13
106/23 108/3
108/22 109/10
109/18 109/22
109/22 111/8 113/4
113/19 114/22
115/16 117/14
118/14 120/1 120/2
120/13
right-of-way [39]
7/19 8/8 14/20
18/21 19/2 19/12
19/19 30/3 30/6
31/14 34/18 66/15
66/16 66/19 67/8
67/15 67/18 67/21
68/4 68/8 68/11
69/9 69/14 69/21
69/24 70/1 70/2
70/22 71/12 74/6
74/13 76/6 88/17
88/20 91/17 93/8

93/10 103/15
118/14
rights [7] 20/5
31/11 34/5 35/6
35/8 35/23 74/9
rights-of-way [2]
31/11 74/9
rigs [2] 8/1 39/2
rip [1] 38/18
riskier [1] 16/10
river [10] 3/22
47/22 56/13 58/24
61/6 90/19 93/20
102/16 104/4
117/16
road [65] 7/3 8/9
8/17 8/19 8/22 8/23
14/10 14/12 19/12
19/16 19/16 19/19
22/8 23/8 23/11
24/12 24/13 25/17
29/23 29/24 30/5
30/6 30/12 30/15
30/18 44/17 46/13
46/14 46/23 47/1
47/23 48/14 48/18
49/7 49/19 49/21
49/24 50/5 51/4
51/8 51/10 51/11
52/11 52/12 52/13
52/14 53/15 54/13
54/17 55/1 57/2

R

road... [14] 57/2
57/8 57/8 57/8
57/14 59/10 61/12
61/24 69/1 88/18
88/20 95/20 96/6
118/1

roadbed [1] 41/20

roads [13] 40/11
41/9 47/7 50/14
52/2 52/4 52/23
53/10 54/7 56/15
56/23 57/12 106/6

Robert [1] 67/5

rock [11] 7/9 15/21

21/4 21/17 22/7
22/10 22/20 26/3
26/10 27/5 27/22

rod [9] 7/3 8/17
14/10 19/16 29/24
30/3 30/5 92/19
93/8

rods [3] 19/13
19/14 29/13

room [4] 8/3 8/4
74/23 92/3

root [3] 72/3 92/14
92/16

roots [2] 91/20 93/4

rough [3] 53/14
53/16 58/22

roughly [6] 29/14

29/20 29/21 47/20
95/16 96/2

route [39] 20/19
21/14 23/7 24/13
27/23 29/12 31/7
35/14 35/24 37/12
44/13 44/13 44/15
44/15 46/5 46/19
47/19 47/21 47/22

57/15 58/23 59/6
59/14 59/15 59/17
60/11 61/3 61/10
83/1 90/19 94/5
95/11 95/21 96/6
99/11 102/15
102/22 103/1
109/20

routes [2] 56/24
57/6

row [6] 19/8 19/24
30/21 33/18 76/22
99/7

RSA [1] 121/19

rules [1] 65/7

running [1] 47/21

runs [1] 98/6

Rusty [2] 2/4 4/8

S

Safety [1] 67/24

Saffo [1] 45/11

said [13] 28/9 28/24
33/4 34/2 36/23

42/15 50/14 52/16
52/21 64/6 76/13

81/3 114/2

same [19] 23/8 26/1
35/13 44/14 51/6
53/19 55/22 61/17
65/15 80/12 95/16
95/17 96/11 96/13
96/15 100/21
102/14 107/6
115/12

satellite [1] 47/16

saw [1] 9/17

say [47] 4/23 5/19
9/3 9/21 14/9 14/15

17/12 18/11 20/2
21/23 22/7 26/10

29/21 31/12 33/21
35/10 37/24 44/10

54/7 55/7 57/14

57/15 57/20 65/1
65/6 65/8 73/4 73/8

73/22 85/7 85/10
85/12 87/20 88/13

88/14 92/9 93/12
98/21 99/9 99/22

103/11 104/16
110/9 110/23 111/2

114/4 120/6

saying [9] 12/8

25/22 34/13 39/21
52/22 52/23 75/20

<p>S</p> <p>saying... [2] 98/4 102/3</p> <p>says [8] 18/8 18/13 18/16 20/17 26/1 26/23 27/2 43/15</p> <p>scale [1] 32/13</p> <p>scenario [2] 34/6 89/19</p> <p>scenic [3] 41/8 41/17 98/18</p> <p>schedule [1] 60/16</p> <p>scheduled [1] 61/17</p> <p>schematic [1] 78/7</p> <p>Schibanoff [3] 2/10 90/3 90/15</p> <p>Schibanoff's [1] 90/5</p> <p>school [3] 60/16 60/17 60/21</p> <p>scope [1] 41/11</p> <p>Scott [10] 18/5 18/16 18/22 18/24 19/1 20/14 20/17 26/16 28/3 28/9</p> <p>Scott's [1] 26/15</p> <p>screen [5] 21/11 23/5 45/22 46/3 51/22</p> <p>search [1] 118/16</p> <p>season [6] 59/24 61/18 61/20 61/21</p>	<p>84/8 87/1</p> <p>seasons [3] 83/16 85/13 85/22</p> <p>SEC [8] 1/6 1/7 1/19 1/20 1/21 56/16 56/18 71/15</p> <p>second [6] 17/6 43/12 63/21 64/6 64/11 69/24</p> <p>section [4] 60/9 79/18 91/2 102/21</p> <p>sediment [2] 108/11 111/14</p> <p>Sediment to [1] 108/11</p> <p>sedimentation [1] 37/16</p> <p>see [34] 23/6 25/22 43/21 45/10 46/23 47/18 47/20 50/17 50/21 53/8 69/10 70/12 71/7 72/24 74/11 78/21 80/10 83/14 85/9 87/4 87/16 90/2 90/7 93/11 95/18 96/19 99/10 102/6 102/20 106/9 106/10 108/7 110/21 120/1</p> <p>seeing [1] 116/15</p> <p>seek [2] 54/24 56/11</p>	<p>seeking [1] 81/2</p> <p>seem [4] 28/16 30/2 30/4 105/4</p> <p>seems [6] 62/2 76/7 84/2 86/20 94/6 98/21</p> <p>seen [11] 5/12 9/5 13/24 16/19 58/6 92/10 92/11 101/13 113/5 115/1 116/12</p> <p>segment [4] 37/3 60/8 61/19 61/20</p> <p>semantics [1] 29/3</p> <p>senior [1] 79/23</p> <p>sense [2] 16/9 58/17</p> <p>sensitive [1] 119/22</p> <p>sensitivity [2] 11/8 103/10</p> <p>sentence [2] 108/14 108/23</p> <p>separate [4] 55/23 78/15 102/8 120/22</p> <p>separation [6] 11/14 12/18 12/22 69/16 69/18 92/3</p> <p>septic [8] 90/24 91/4 91/22 91/24 92/1 92/3 93/22 94/4</p> <p>sequence [1] 84/22</p> <p>sequencing [6] 37/15 37/16 61/16</p>
--	---	---

S	She's [1] 100/6	46/24 70/22 103/7
sequencing... [3]	Sheet [3] 68/23	103/14
61/23 66/10 83/6	70/18 74/1	sides [1] 19/17
Serv [1] 1/15	shelf [2] 115/4	sign [1] 90/22
serve [1] 55/17	115/14	significant [1] 34/5
served [1] 47/10	Sherburne [1]	similar [6] 24/11
Service [1] 1/9	79/22	24/11 43/16 44/9
services [2] 98/13	shift [2] 17/1 17/18	57/21 107/13
98/15	short [4] 10/24 41/1	similarly [1] 70/1
serving [1] 60/17	50/3 77/13	since [2] 50/14
Session [6] 1/4 3/4	Shorthand [1]	100/8
3/6 3/11 120/21	121/3	single [2] 17/13
120/24	shortly [1] 120/18	69/13
set [8] 25/9 58/18	should [10] 34/15	sister [1] 68/24
69/15 72/22 73/2	40/19 50/16 62/20	sister-in-law's [1]
74/3 110/15 121/7	65/1 76/1 80/5 88/5	68/24
setback [3] 69/7	100/7 111/16	sit [1] 72/3
69/11 69/17	shoulder [1] 14/11	site [20] 1/2 1/10
setbacks [1] 68/3	show [2] 23/14	1/12 18/6 19/6
setting [1] 111/3	87/13	19/24 29/22 63/7
settled [1] 35/3	showed [2] 26/11	64/18 65/3 65/4
setup [1] 9/13	109/19	86/3 93/20 99/2
seven [2] 9/18	showing [2] 46/4	106/14 112/8
39/12	47/16	113/13 113/21
several [8] 46/9	shown [5] 19/20	113/24 114/17
48/24 82/23 86/5	31/14 91/5 93/17	site-specific [5]
86/15 104/15	101/21	112/8 113/13
104/18 105/12	shut [1] 8/22	113/21 113/24
severe [1] 111/3	side [16] 5/21 8/1	114/17
severity [1] 111/6	8/19 8/23 22/3 22/7	sited [3] 55/5 55/9
shaking [1] 90/7	23/11 25/16 28/18	71/11
she [1] 45/11	30/11 30/12 30/18	sitting [3] 69/22

S

sitting... [2] 70/2
74/24

situation [8] 8/20
11/18 35/16 44/13
44/14 88/15 109/15
112/14

six [5] 9/9 10/3
39/12 80/10 89/6

six-month [1] 89/6

size [15] 5/24 6/4
6/16 6/23 6/24 6/24
28/6 28/20 37/4

55/14 70/9 86/16
89/12 92/9 111/7

skidder [1] 52/9

skill [1] 121/8

skip [1] 42/3

slight [1] 24/22

slightly [1] 38/1

slopes [1] 111/1

Slow [3] 29/7 29/7
98/8

slows [1] 24/15

small [3] 32/3 32/16
44/4

smaller [6] 6/5 6/7
6/12 6/14 7/5 19/14

smashing [1] 24/8

smells [1] 80/8

so [160]

soil [3] 43/23 44/21

119/11

soils [2] 43/18
43/22

solid [2] 42/23
86/18

some [44] 4/18 7/6
7/11 9/10 10/20

14/5 15/17 16/14
16/20 20/16 20/16

20/22 21/10 27/1
30/16 32/7 32/20

34/1 34/19 37/24
38/1 38/4 41/21

42/15 43/20 61/10
66/6 66/10 67/16

72/24 82/4 90/7
95/5 103/9 103/21

106/17 106/17

107/5 107/6 107/23
109/6 111/3 111/10

112/3

somebody [1] 64/6

somebody's [2]
15/4 55/2

somehow [1] 52/7

someone [2] 20/5
108/13

something [22]
43/23 47/24 49/15

49/18 64/5 70/11
74/4 78/14 81/3

88/4 106/9 106/21

108/12 110/8 112/2

112/4 112/10

118/11 118/18

119/5 119/18

119/20

sometimes [2]
87/23 89/12

somewhat [4] 43/2
96/7 105/21 105/22

somewhere [2]
12/13 14/1

sorry [10] 18/10
21/1 25/3 25/10

29/9 36/17 55/7
57/4 72/9 75/20

sort [8] 5/11 9/12
10/21 40/2 56/8

69/12 80/3 111/2
sound [3] 42/14

70/10 74/20

sounded [2] 28/13
99/21

sounds [7] 6/10
60/1 81/12 111/21

112/22 113/9
116/17

south [4] 70/22
71/5 96/5 103/2

southern [1] 71/5
space [6] 8/6 8/11

14/9 30/13 78/13
91/17

<p>S</p> <p>speak [9] 16/20 21/19 44/3 56/7 68/19 75/24 78/18 79/4 93/15</p> <p>speaking [6] 5/7 16/10 35/5 59/19 68/12 78/12</p> <p>special [1] 119/18</p> <p>species [4] 118/9 118/10 118/12 118/17</p> <p>specific [22] 17/15 20/18 21/7 49/15 59/12 59/13 60/19 76/3 76/16 76/18 76/23 83/20 86/2 94/15 106/12 109/17 112/8 113/6 113/13 113/21 113/24 114/17</p> <p>specifically [13] 16/20 59/18 68/6 71/10 72/11 73/11 75/5 77/15 78/19 79/2 79/12 89/4 102/18</p> <p>splice [7] 11/21 12/7 26/5 28/6 28/10 28/20 39/6</p> <p>split [2] 11/24 12/12</p>	<p>spoils [1] 37/7</p> <p>spot [1] 61/9</p> <p>spread [1] 44/17</p> <p>square [2] 10/2 110/24</p> <p>stable [4] 15/18 15/22 42/10 42/11</p> <p>staff [3] 66/22 67/3 88/19</p> <p>stage [3] 33/13 34/3 86/1</p> <p>stages [4] 33/24 83/7 89/3 89/20</p> <p>staging [10] 37/5 55/4 55/8 55/12 55/17 55/23 56/2 57/17 59/3 62/8</p> <p>stake [6] 18/8 18/13 18/20 19/1 19/6 20/4</p> <p>stake-out [1] 20/4</p> <p>staked [1] 19/3</p> <p>staking [2] 18/6 19/23</p> <p>Stamp [1] 104/2</p> <p>standard [5] 15/13 40/2 68/2 76/20 89/22</p> <p>standards [5] 31/19 68/9 68/17 107/19 107/24</p> <p>standpoint [1] 5/2</p>	<p>start [9] 9/19 15/12 18/7 20/15 63/24 94/17 104/10 105/15 112/17</p> <p>started [3] 32/20 111/16 118/22</p> <p>starter [1] 14/11</p> <p>starting [1] 11/2</p> <p>starts [2] 84/7 108/14</p> <p>state [18] 1/1 19/11 21/13 26/6 43/9 53/12 79/10 88/22 97/20 98/13 100/12 105/7 107/1 107/4 107/4 107/6 107/16 119/1</p> <p>state-oriented [1] 107/1</p> <p>stated [8] 11/2 15/9 31/9 38/11 40/12 53/13 92/22 93/2</p> <p>statement [9] 17/2 21/16 21/21 22/9 25/24 64/12 69/19 73/9 92/6</p> <p>statements [1] 10/12</p> <p>states [3] 67/14 115/8 115/12</p> <p>station [16] 46/6 46/8 59/16 62/8</p>
---	---	---

S	streams [1] 106/7	107/20
station... [12] 62/10	street [3] 1/4 8/2	suddenly [1]
62/12 62/18 62/20	99/13	114/14
62/24 63/7 63/14	Streets [1] 57/9	sufficient [9] 37/1
63/17 64/16 95/12	stretch [5] 10/1	75/6 77/8 108/14
95/24 99/4	49/19 59/16 61/6	108/17 109/6
stations [3] 72/15	95/11	109/12 109/14
94/20 97/2	structural [1] 92/14	114/7
stay [1] 18/21	structure [5] 69/3	Sugar [1] 118/1
Staying [1] 15/8	69/6 69/7 78/11	suggest [1] 96/11
steel [1] 39/5	78/22	summarize [1] 35/4
steep [2] 103/21	structures [4] 68/3	summary [1] 42/13
111/1	69/2 70/1 70/13	summer [1] 86/9
stem [1] 11/6	style [2] 78/22	supplemental [2]
stenographic [1]	113/16	74/3 104/8
121/5	SUBCOMMITTEE	supposed [3] 13/17
Steven [3] 1/24	[2] 1/12 45/19	13/21 117/10
121/3 121/17	SUBCOMMITTEE	sure [30] 12/5
still [8] 29/4 34/1	/SITE [1] 1/12	17/16 20/18 30/14
34/14 36/4 101/10	submission [2]	32/13 32/21 34/18
114/9 117/9 117/10	36/24 71/15	35/1 50/7 51/8 60/1
stop [5] 15/13 16/8	submittals [1]	62/2 69/14 75/16
16/13 16/24 32/19	118/24	76/2 76/12 76/16
storage [1] 56/3	submitted [1] 65/2	82/2 86/10 91/4
storm [10] 65/10	substantially [1]	91/15 92/24 95/4
104/17 104/19	54/4	96/20 101/20
105/1 108/5 108/11	substation [1]	102/24 106/20
111/3 111/6 111/10	67/21	110/5 117/8 117/10
111/13	such [11] 9/24	surface [2] 108/19
storms [1] 88/2	11/18 19/12 47/2	109/3
strategy [1] 33/5	51/4 51/7 64/20	surprise [4] 24/3
straws [1] 108/16	65/1 94/3 94/4	24/10 73/5 100/14

S
surprised [2] 24/14
27/22
survey [1] 91/7
surveys [1] 31/19
survive [1] 72/4
Susan [1] 90/15
sustain [1] 86/22
system [2] 90/24
94/4

T
take [18] 12/2
29/14 58/24 60/9
60/20 62/20 65/19
68/22 70/15 79/17
83/14 84/13 84/23
86/12 86/14 110/6
119/2 119/17
taken [5] 1/23
65/21 102/19
120/19 121/6
taking [2] 83/24
84/11
talk [3] 19/4 21/8
104/5
talked [4] 4/17
35/12 35/17 100/14
talking [16] 4/19
9/22 13/2 17/7
22/15 23/9 29/2
35/13 40/9 45/2

45/3 51/11 64/22
101/9 111/15
111/21
talks [1] 105/17
taller [1] 79/8
tank [1] 93/22
tax [4] 96/12 96/17
97/14 102/6
TAYLOR [117] 2/5
3/14 3/16 4/9 17/22
19/9 19/18 19/22
20/2 21/20 22/3
22/20 22/23 24/14
24/17 24/19 25/24
27/19 28/2 28/16
28/20 29/17 30/2
30/9 30/20 30/24
31/12 32/21 33/3
33/12 33/21 34/17
34/24 35/5 35/10
35/18 35/21 36/7
36/21 37/20 37/24
38/7 38/11 38/15
38/19 38/24 39/4
39/9 39/19 40/7
40/13 41/1 41/15
46/9 46/12 46/16
46/20 47/11 48/15
48/17 48/20 55/19
55/21 56/2 56/18
57/13 57/20 58/1
58/4 58/12 59/1

59/8 59/12 59/18
60/1 60/3 68/21
71/3 71/13 71/19
72/2 72/7 72/10
73/9 73/22 74/16
74/21 75/4 77/13
79/10 91/3 91/12
91/15 92/9 92/24
93/11 93/15 93/17
94/6 94/22 95/4
95/14 95/22 96/1
96/4 96/20 97/24
98/22 101/20 102/3
102/24 103/3
103/18 103/21
107/9 107/13
107/15
team [3] 20/5
106/11 110/8
teams [1] 118/15
tear [1] 9/14
tear-down [1] 9/14
technical [2] 77/22
108/2
tell [5] 6/22 26/18
55/16 96/16 111/19
telling [1] 17/19
temporary [2] 37/8
89/5
ten [7] 11/3 11/14
11/17 11/24 12/6
65/19 78/10

T

ten-foot [2] 11/14
12/6

ten-minute [1]
65/19

tend [3] 43/4
106/24 107/8

tensile [1] 13/13

term [5] 33/15 88/5
89/14 116/24
117/11

terms [12] 11/22
22/11 23/10 27/16
39/13 44/2 68/12
70/9 70/11 81/4
106/10 110/22

terrain [2] 7/24
70/17

test [1] 37/9

testified [4] 49/11
52/1 70/5 73/14

testifying [1] 49/4

testimonies [1]
54/22

testimony [47] 3/13
3/15 3/17 4/22 7/5
18/3 18/5 20/12
26/12 26/15 28/16
36/21 40/20 41/3
41/11 41/15 42/7
48/7 49/12 50/10
56/4 57/22 58/14

67/23 75/12 75/24
80/3 80/15 82/16
84/14 85/2 85/7
86/3 86/9 87/2
94/23 95/3 104/7
104/8 111/22
111/24 112/11
112/16 112/24
113/3 113/15
116/18

testing [1] 115/7

text [1] 98/20

than [18] 5/22 7/6
10/10 11/10 17/18
19/20 35/16 36/1
37/22 39/23 40/4
43/5 72/14 79/8
83/2 92/12 106/4
110/20

thank [33] 4/15
14/24 25/4 27/15
27/24 36/14 60/10
65/8 65/16 66/1
66/24 70/5 70/15
71/14 74/1 77/7
77/18 79/7 79/15
82/6 89/24 90/9
90/10 94/8 98/10
98/23 102/12
105/14 108/3
110/21 114/22
120/2 120/12

Thanks [2] 56/8
62/19

that [560]

that's [73] 4/19
6/15 6/18 8/12
11/11 11/19 11/21
12/20 13/2 13/3
14/9 15/16 16/15
19/9 19/18 24/19
29/24 30/15 30/18
35/23 36/10 37/20
38/15 40/1 40/5
40/7 47/1 49/10
49/21 51/13 51/16
51/18 51/18 51/21
52/15 53/13 53/21
54/14 54/21 56/18
59/2 61/2 65/15
67/10 67/11 67/13
69/5 71/19 75/4
76/7 78/16 79/15
80/23 81/2 81/10
82/6 87/20 88/4
89/10 90/7 94/8
103/23 108/10
108/12 110/16
112/2 112/12
112/13 113/21
117/16 117/20
118/3 119/20
their [29] 7/15 7/16
10/11 14/7 21/22

T

their... [24] 37/2
41/11 48/18 49/11
50/10 54/14 55/1
55/11 56/4 56/19
59/3 59/3 75/24
80/15 80/22 93/4
107/7 112/11
112/23 113/3 113/7
113/23 117/8
118/24
them [20] 9/4 9/16
23/20 27/13 49/5
49/7 50/17 51/1
52/18 52/21 53/4
54/5 54/14 80/20
86/17 101/12
101/18 105/13
116/12 116/14
themselves [1]
12/19
then [39] 9/4 11/23
12/9 12/12 12/21
15/19 18/7 18/12
18/18 19/1 22/6
28/22 30/10 34/18
35/24 36/10 44/21
44/24 66/10 67/20
69/24 74/18 83/10
83/11 84/8 84/21
85/11 86/7 88/1
88/21 92/15 103/20

105/1 105/17
109/20 110/16
114/14 115/23
119/10
there [116] 4/18
10/14 14/22 14/24
15/2 16/13 19/10
21/4 21/15 22/9
23/2 23/3 23/16
26/2 26/10 26/17
26/19 26/20 27/5
27/18 28/5 31/18
35/1 36/21 37/18
38/18 41/7 41/21
41/23 43/13 44/19
46/9 46/11 46/15
47/19 47/21 47/23
48/1 48/14 48/14
48/17 48/18 48/23
49/14 49/24 52/3
52/8 52/12 52/13
52/24 53/1 53/24
54/18 55/23 56/9
57/10 58/8 58/10
59/12 59/14 59/16
61/6 61/8 62/22
63/15 63/15 64/15
68/2 73/6 75/21
77/24 78/8 81/23
82/11 82/23 86/8
86/15 88/5 89/4
89/15 89/16 89/22

90/5 91/20 91/21
92/2 96/22 99/7
100/16 100/24
101/21 103/9
103/12 104/15
104/17 105/4 106/3
106/17 108/14
108/20 109/8
109/16 110/8
112/13 112/18
113/13 113/15
115/18 115/23
115/24 116/11
118/17 118/21
119/2 120/5 120/6
there's [36] 8/4
9/10 12/22 13/6
16/5 17/9 20/16
23/12 47/24 48/8
52/13 54/1 71/8
71/21 72/24 75/2
75/10 77/22 83/7
89/6 89/19 100/8
101/21 103/21
104/21 105/1 108/4
109/20 110/15
113/10 114/2 114/6
114/15 115/5 116/3
119/6
thereafter [1] 38/1
thereby [1] 8/20
therefore [1] 101/2

T

**thermal [2] 42/7
42/21**

thermally [1] 42/10

these [33] 10/2

11/21 11/22 12/11

17/3 22/17 30/16

34/13 36/4 37/17

41/9 41/12 54/7

57/12 69/15 70/12

71/4 78/3 78/5

80/19 89/21 99/16

99/24 101/15

101/17 102/4 112/1

112/10 112/17

115/10 116/2

116/11 121/6

they [100] 7/14

7/17 8/7 8/10 9/4

11/12 11/23 12/12

15/9 15/24 16/13

16/16 17/13 17/17

17/17 21/24 22/3

22/4 22/6 22/14

24/11 25/22 35/3

37/18 44/8 44/20

48/3 48/20 48/23

49/11 50/8 50/8

50/15 52/1 52/16

52/21 52/21 53/13

55/11 57/16 57/16

58/15 59/4 59/19

60/6 60/18 60/20

60/23 62/11 62/12

62/15 64/21 69/13

69/14 69/14 72/4

73/3 73/14 73/14

73/15 73/19 73/20

73/23 75/23 75/24

76/1 76/9 78/6 79/8

79/8 81/3 81/6 82/3

85/10 85/12 86/1

86/1 86/4 86/24

91/16 91/19 92/11

94/5 101/12 101/12

101/13 105/10

111/10 112/11

113/5 113/17

115/14 115/15

117/8 118/16

118/16 118/19

118/22 119/7 119/8

they're [27] 6/21

7/7 7/8 8/21 8/22

13/16 17/10 22/15

24/12 38/18 52/6

52/9 52/13 52/22

72/24 86/18 97/3

97/4 107/15 113/24

115/15 116/12

117/9 117/9 117/10

118/2 119/6

they've [1] 62/17

thickness [1] 13/11

thing [13] 9/12 9/12

16/5 20/9 24/8

24/15 43/22 48/23

50/1 69/12 88/4

91/3 113/21

things [15] 4/17

4/18 21/10 22/22

24/11 32/8 32/13

34/13 86/6 97/1

112/16 112/20

112/23 114/18

114/23

think [49] 7/2 7/10

7/14 7/19 9/24

12/16 17/9 24/16

26/6 27/15 28/24

33/23 34/2 34/24

35/14 36/3 40/1

40/21 41/3 47/5

50/8 50/14 53/18

56/4 56/18 65/4

78/1 78/9 78/18

79/6 79/13 80/15

81/14 82/24 83/23

84/23 85/3 85/15

92/13 105/14

111/14 115/7

116/16 117/1 117/5

118/8 118/10 119/8

120/2

thinking [9] 40/5

104/19 110/22

T	9/15 11/7 12/4 38/4	101/1 101/16
thinking... [6]	43/3 43/5 43/20	told [4] 4/3 17/20
117/6 117/15	51/4 51/12 52/11	47/4 90/3
117/23 117/24	86/5 89/16 91/2	tolerance [1] 14/15
118/1 118/3	91/6 108/7 112/16	too [7] 10/24 32/12
third [1] 99/7	throughout [2]	46/13 51/13 51/16
thirteen [1] 9/19	32/6 34/10	109/16 112/13
this [232]	time [38] 5/3 9/6	took [3] 23/20 24/4
those [21] 5/22	9/21 10/1 10/8	115/21
10/20 12/10 12/13	10/23 23/1 23/23	top [3] 18/7 63/2
41/4 44/19 44/21	24/4 28/9 31/13	104/15
55/24 57/9 57/20	40/16 50/3 61/2	topic [1] 83/5
60/22 65/7 68/15	61/10 61/15 61/24	topography [4]
68/17 73/18 82/2	62/4 65/15 73/24	46/11 50/13 102/23
102/22 105/4 107/8	75/23 83/13 83/23	103/21
108/24 112/20	84/7 84/15 85/11	total [3] 45/3 85/10
though [6] 6/8 23/3	85/12 86/4 86/13	86/2
66/13 71/14 76/12	87/20 101/6 114/3	touched [1] 38/5
117/3	114/6 114/13	tough [1] 25/10
thought [2] 10/4	114/19 115/12	tourist [2] 98/13
15/6	117/16 121/9	98/15
thoughts [1] 32/14	timeliness [1] 10/16	tourists [1] 40/17
thousand [4] 21/23	times [9] 6/17 13/19	toward [3] 10/7
21/24 35/15 110/24	17/10 35/15 35/16	46/23 61/9
threaded [1] 17/5	35/19 46/9 60/21	towards [5] 8/19
three [11] 7/3 8/17	60/23	11/21 36/11 67/20
9/7 14/10 19/13	timing [1] 112/15	103/7
29/13 29/23 30/5	title [1] 104/14	tower [8] 58/7
61/8 105/4 117/3	today [5] 4/15 15/1	58/17 69/4 70/10
three-year [1]	34/14 95/3 104/5	71/24 72/17 73/2
117/3	together [6] 9/13	84/16
through [17] 9/1	9/22 34/23 40/8	towers [16] 47/12

T	95/23 97/2 99/4	trenches [3] 22/17
towers... [15] 48/1	transmission [9]	117/24 118/3
49/18 49/23 50/2	1/8 3/18 10/7 66/20	trenching [8] 24/12
53/11 58/2 58/5	67/11 73/12 76/6	26/5 41/6 41/19
58/10 69/8 70/7	77/20 99/2	42/1 91/1 92/16
74/11 78/3 78/5	Transportation [3]	94/19
79/7 94/20	1/16 43/10 100/15	trenching/digging/s
town [2] 61/11	travel [2] 48/21	plice [1] 26/5
96/12	103/22	trespassing [1]
track [1] 102/14	traversing [1]	92/22
tracking [1] 11/8	40/10	tricky [1] 21/9
tracks [6] 94/21	treated [2] 44/23	trouble [1] 102/2
96/23 102/16	119/14	truck [1] 52/10
102/23 103/4 103/8	tree [14] 25/15	truckloads [2]
traffic [15] 5/12 8/3	25/19 66/17 70/21	39/14 40/6
8/20 8/24 37/14	70/21 70/24 72/1	trucks [15] 38/12
40/15 50/4 57/23	90/20 90/21 90/23	38/13 38/22 38/23
59/20 60/13 60/19	91/18 92/8 92/9	38/23 39/5 39/6
61/24 62/22 63/2	92/15	39/6 39/6 39/7 39/8
63/3	trees [7] 7/24 25/22	39/15 40/10 49/9
trained [1] 68/14	72/3 76/23 92/10	119/5
transcript [7] 3/4	92/12 96/9	true [3] 71/22 118/7
3/6 3/11 83/4 87/15	trench [26] 11/20	121/5
120/23 121/5	12/1 12/9 12/12	try [7] 4/16 36/17
transcripts [1] 14/5	12/18 13/4 13/8	38/3 45/21 50/18
transition [22] 13/6	22/11 22/13 25/16	69/13 85/19
13/10 46/5 46/8	26/4 39/10 39/17	trying [4] 8/2 21/10
59/16 62/7 62/10	39/22 40/1 40/4	63/13 91/8
62/12 62/18 62/20	44/16 45/1 45/2	TS6 [1] 99/5
63/7 63/14 63/16	91/13 92/4 92/11	turn [1] 108/4
64/16 64/22 72/14	92/19 92/20 93/3	turns [1] 59/15
84/18 94/20 95/12	93/8	TV [3] 23/1 25/9

T	U	
<p>TV... [1] 90/10 twelve [2] 48/24 80/9 twenty [1] 29/15 two [37] 11/23 12/9 12/11 19/14 21/24 28/17 29/1 29/23 30/3 32/1 36/3 40/11 45/22 49/23 57/15 60/24 63/2 67/22 69/1 74/9 74/15 83/16 84/7 85/13 85/21 92/19 93/8 98/13 99/16 100/1 101/15 101/17 101/20 102/4 104/3 115/20 117/3 two-rod [1] 93/8 two-year [1] 84/7 type [6] 5/6 5/18 6/12 13/6 13/10 15/23 types [1] 70/12 typical [4] 6/12 6/23 69/7 70/11 typically [10] 19/9 33/12 34/4 44/4 69/10 69/13 69/20 88/18 88/21 89/1</p>	<p>Uh [13] 32/17 97/17 104/19 104/24 107/14 109/7 111/12 113/1 114/2 115/9 119/13 119/17 119/23 Uh-huh [13] 32/17 97/17 104/19 104/24 107/14 109/7 111/12 113/1 114/2 115/9 119/13 119/17 119/23 unaware [1] 100/16 uncertainty [1] 11/12 unclear [1] 66/15 uncommon [2] 33/24 34/8 under [4] 15/3 108/24 120/22 121/8 underground [24] 3/18 4/14 14/13 20/19 21/12 26/5 31/9 32/24 36/22 37/3 37/12 38/13 46/6 55/22 59/5 59/8 61/18 68/5 94/3 94/5 95/6 95/12 102/21 103/13</p>	<p>understand [10] 12/5 12/16 15/11 48/2 50/7 51/8 67/23 72/9 82/8 92/24 understanding [8] 8/6 8/10 13/1 13/15 15/20 39/22 44/14 46/17 understood [3] 17/21 34/15 35/21 undetermined [1] 19/17 unfortunately [1] 98/23 UNH [1] 115/7 unless [1] 20/5 unlikely [1] 30/9 unprecedented [1] 17/8 unrealistic [1] 5/1 unreasonable [2] 65/11 84/15 unresolved [1] 36/5 unstable [1] 16/3 until [2] 16/16 93/23 untrained [1] 68/15 untried [1] 5/18 unusual [1] 46/10 up [45] 3/10 9/16 9/18 15/5 17/15</p>

<p>U</p> <p>up... [40] 18/19 22/24 23/2 23/16 24/22 26/12 26/15 26/17 28/4 35/14 38/7 38/17 43/7 45/6 45/22 47/16 51/20 54/3 54/14 56/18 58/15 58/16 60/23 61/12 66/8 72/19 74/14 78/4 81/2 81/13 85/8 85/13 92/1 96/8 100/5 112/10 117/17 118/5 118/15 119/1</p>	<p>106/5 113/17 115/15 using [10] 47/13 48/3 50/19 52/2 52/17 77/20 82/22 102/9 106/11 119/17 usually [2] 37/22 109/11 Utilities [2] 1/13 1/14 utility [5] 31/3 33/1 37/8 104/22 106/8 utilize [1] 8/11 utilizing [1] 5/11</p>	<p>vegetated [2] 108/21 109/9 vegetation [3] 8/24 41/22 41/22 vegetative [1] 71/8 vehicles [2] 60/13 86/23 verbal [3] 4/6 56/22 120/9 versus [2] 86/9 102/9 very [14] 23/6 53/16 72/21 76/7 92/10 106/12 108/12 111/21 111/24 116/7 116/17 117/12 118/12 120/2 viable [1] 42/8 vicinity [1] 68/15 view [4] 33/13 95/16 95/17 102/17 viewed [1] 59/8 violate [1] 33/4 violated [1] 33/1 visit [2] 46/7 93/21 visited [3] 52/21 52/22 109/21 visitors [1] 65/12 visual [4] 41/8 41/13 41/24 77/21 visualize [2] 74/7</p>
<p>upon [6] 38/5 58/19 60/7 61/7 78/15 107/11 ups [1] 82/16 urban [1] 37/10 urge [1] 99/17 us [3] 37/2 79/19 111/19 use [13] 5/2 6/21 54/20 56/24 65/12 65/13 91/17 106/24 107/4 107/6 107/8 107/10 114/1 used [11] 5/24 13/7 13/8 15/24 44/5 54/13 55/14 93/16</p>	<p>V</p> <p>Valley [2] 57/8 57/15 Van [6] 2/7 45/14 48/11 49/3 50/23 78/4 variables [1] 109/16 variance [1] 33/15 variances [1] 58/15 various [1] 115/6 vary [1] 5/5 vast [2] 29/6 29/11 vault [5] 23/10 26/5 29/21 29/23 39/6 vaults [4] 28/6 29/6 29/11 41/7</p>	<p>viewed [1] 59/8 violate [1] 33/4 violated [1] 33/1 visit [2] 46/7 93/21 visited [3] 52/21 52/22 109/21 visitors [1] 65/12 visual [4] 41/8 41/13 41/24 77/21 visualize [2] 74/7</p>

V

visualize... [1]

84/10

voltage [1] 5/20

voltages [1] 69/16

W

Wait [1] 27/12

waiver [2] 33/8

33/15

waivers [2] 31/4

32/1

walk [1] 15/13

walked [1] 103/4

wall [5] 13/11

103/5 103/9 103/11

109/20

want [22] 11/13

15/5 19/4 21/8

23/17 27/13 28/7

36/15 43/11 49/5

49/6 50/11 50/24

63/20 77/2 77/5

82/13 85/19 90/10

101/11 104/16

112/1

wanted [3] 50/8

75/24 77/23

warranted [1] 92/7

was [103] 5/10 7/5

10/10 10/12 10/24

11/1 12/14 14/4

14/7 18/12 21/4

23/3 23/6 23/9

23/16 24/5 25/13

25/22 26/2 26/10

26/16 27/1 27/5

27/16 28/5 28/14

31/10 31/14 32/3

32/4 34/24 35/1

35/2 35/3 36/20

38/5 39/10 39/23

40/5 40/19 41/21

43/14 47/4 52/12

56/9 62/3 63/9

63/11 64/7 67/4

69/19 75/5 75/20

75/22 76/16 77/20

80/3 80/18 80/20

80/22 81/9 83/5

83/5 83/13 83/15

84/14 84/18 85/16

86/8 87/16 87/18

89/14 89/15 91/12

91/20 93/14 94/24

97/20 100/13

100/16 100/16

101/6 101/7 102/19

103/12 104/19

109/4 109/8 110/2

112/16 113/6

113/15 113/18

113/18 115/21

115/23 116/5 118/6

118/8 119/11

119/15 119/20

119/21

wasn't [3] 34/18

38/19 85/16

water [20] 6/5

38/22 42/24 43/3

43/3 43/16 43/17

44/5 104/17 104/20

105/1 108/5 108/11

108/19 109/3

109/11 111/2 111/3

111/6 111/13

watershed [3]

110/23 110/24

111/7

way [63] 1/15 7/19

8/8 12/13 14/20

16/7 17/6 18/21

19/2 19/12 19/19

21/24 27/19 29/4

30/3 30/6 31/11

31/14 34/18 36/5

36/8 44/2 48/5

50/12 66/15 66/16

66/19 67/8 67/15

67/18 67/21 68/4

68/8 68/11 69/9

69/14 69/21 69/24

70/1 70/2 70/22

71/12 71/24 73/10

74/6 74/9 74/13

W

way... [16] 75/8
76/6 77/22 78/1
81/12 82/5 88/17
88/20 91/17 93/4
93/8 93/10 94/12
103/15 117/9
118/14
ways [1] 61/8
we [74] 4/4 4/17
7/22 15/6 20/3 21/3
21/3 21/5 21/16
21/17 21/19 25/2
25/19 26/2 26/3
26/17 27/4 27/4
27/6 29/14 30/21
31/12 32/6 32/19
32/19 33/3 33/6
33/8 34/4 34/6 34/9
41/19 41/22 43/22
45/2 45/3 46/3
51/10 53/8 55/19
56/6 57/21 58/20
59/1 63/3 72/17
72/19 76/22 76/24
76/24 77/13 78/18
79/3 79/6 79/10
79/11 85/7 86/10
90/9 91/9 95/4 95/7
96/19 101/22 102/6
104/3 107/7 107/8
111/2 114/24 116/3

116/14 118/8
120/17
we'd [1] 104/5
we'll [7] 18/7 20/15
42/4 50/17 52/24
53/8 105/14
we're [29] 9/22
17/7 29/2 29/3
32/18 35/12 40/9
53/1 53/2 65/6
65/19 97/18 102/11
106/2 108/3 108/12
108/22 110/21
111/12 111/21
114/12 114/22
115/16 115/18
116/1 116/7 116/15
118/12 120/17
we've [7] 17/20
61/5 64/17 105/7
115/1 115/20
116/12
weather [5] 10/15
10/21 115/20
116/11 116/20
Weathersby [1]
1/17
Webster [2] 95/21
102/15
wedge [1] 96/8
weed [1] 119/10
week [4] 23/20

80/10 93/24 101/3
weeks [5] 9/7 9/10
9/18 9/19 10/3
well [45] 18/19 19/3
20/21 21/9 22/13
23/13 24/1 24/5
26/24 30/2 30/11
35/18 35/20 39/21
42/3 49/13 51/10
52/20 53/8 57/14
61/8 63/23 68/14
72/2 73/1 76/11
80/14 80/17 83/22
85/15 85/21 91/15
94/12 98/1 104/1
106/1 109/18 110/6
110/15 111/8 112/5
112/15 113/22
114/22 115/8
went [3] 9/15 41/19
102/19
were [35] 9/17
19/22 19/24 31/7
31/24 33/19 34/6
36/21 36/22 44/12
44/20 46/14 49/22
51/11 54/13 56/15
56/24 57/6 65/14
72/2 84/4 89/4
99/15 99/18 103/7
104/12 104/17
108/23 109/24

W

were... [6] 111/15
112/18 114/14
115/11 115/22
115/24

weren't [5] 31/18
32/9 37/18 42/18
99/20

west [1] 61/11

western [1] 67/18

wetland [17] 51/12
82/21 83/6 83/18
84/5 84/6 84/17
85/23 86/10 86/14
86/16 86/19 86/21
89/2 89/12 89/13
89/21

wetlands [2] 51/5
84/2

what [99] 5/10 5/12
6/13 9/8 9/20 12/8
13/2 16/6 16/7 16/8
17/7 17/19 23/5
28/24 33/10 33/12
33/13 33/21 35/11
39/19 39/21 40/12
42/14 42/17 44/1
46/3 48/2 49/4
49/11 50/17 51/8
53/13 53/20 53/23
55/11 56/18 57/11
57/13 57/18 57/21

60/15 61/7 62/16

64/6 66/23 67/8

67/13 68/9 69/6

69/9 72/1 72/16

75/5 76/13 76/15

80/8 80/23 81/13

81/14 83/13 83/17

83/19 86/13 89/1

95/8 95/19 96/16

96/18 97/23 98/4

98/4 98/20 99/9

101/11 104/10

105/16 105/18

106/9 106/23 107/9

107/10 109/23

110/16 112/1 112/6

113/18 113/24

115/16 115/17

116/1 116/10

116/13 117/1 117/5

117/14 118/3 118/6

119/4 119/7

what's [8] 5/17

22/1 22/16 26/21

54/4 56/3 58/16

111/9

whatever [5] 16/6

33/15 54/3 54/14

80/21

whatnot [1] 55/15

wheel [1] 52/10

when [32] 9/15

15/10 15/12 17/10

18/19 19/1 24/15

26/1 31/6 34/1

36/10 40/8 63/11

70/23 73/18 86/11

86/18 87/10 87/16

87/21 94/19 97/1

102/6 104/12 106/8

108/18 110/3

110/19 111/15

113/19 117/14

118/14

whenever [1] 78/10

where [73] 5/20 8/2

8/20 12/18 15/2

18/8 18/9 18/10

18/12 18/14 19/12

19/16 20/18 21/9

21/15 26/9 26/23

29/13 30/14 30/15

31/4 34/13 34/22

35/7 41/19 41/20

43/2 43/13 46/4

46/6 47/17 47/18

47/22 52/11 53/8

54/17 55/16 55/24

57/16 59/15 71/1

72/3 72/7 72/11

73/3 73/11 73/15

79/13 79/24 86/22

89/15 89/19 92/14

93/7 95/11 95/18

W

where... [17] 95/20
95/23 96/2 96/8
96/22 102/5 102/24
103/16 108/18
108/20 109/4 109/8
110/1 113/16
115/21 115/24
118/1

Wherever [1] 82/12

whether [16] 17/17
35/7 50/12 53/24
54/1 70/19 76/19
81/7 84/3 84/4
91/24 97/3 97/3
97/9 101/3 101/4

which [39] 6/9 9/8

11/6 13/8 15/11
17/8 19/13 19/15
19/16 27/19 28/21
33/13 36/9 36/11
41/3 43/12 43/21
59/21 61/10 61/13
61/16 69/5 70/21
79/13 82/5 87/4
87/5 95/8 95/19
96/21 98/6 99/4
100/17 102/18
103/13 104/6
110/24 117/1
118/19

whichever [1] 29/4

while [1] 24/12

who [11] 7/11
25/13 45/24 65/12
88/10 88/14 97/13
97/16 102/8 102/10
110/10

who's [2] 90/15
102/9

whole [6] 53/22
61/6 72/22 83/1
84/18 84/22

why [5] 4/19 11/3
50/21 72/19 93/13

wide [8] 19/13
19/15 28/11 29/14
29/19 30/3 39/23
49/24

widened [1] 13/4

wider [2] 40/1 40/4

width [8] 39/16
39/17 39/19 39/22
66/20 67/8 68/8
92/19

widths [1] 67/15

will [53] 7/2 7/18
7/23 8/1 8/3 8/18
9/4 12/2 12/10
16/16 17/3 17/14
17/14 17/15 17/17
19/2 21/2 25/17
27/3 27/18 29/12
36/11 40/14 41/7

43/3 43/4 43/4 43/5
45/24 47/7 55/5
55/8 55/23 60/20
62/11 62/12 66/15
72/20 76/21 79/24
81/23 82/3 86/4
91/17 95/8 95/13
95/19 97/22 108/17
114/17 117/7 117/8
120/18

William [1] 1/16

willing [1] 69/2

wind's [1] 82/5

Winnepesaukee [1]
98/18

winter [4] 42/12
86/9 86/18 88/2

wires [6] 68/10
68/10 68/10 68/10
68/12 68/13

wish [3] 13/24 15/1
28/12

within [17] 7/16 8/7
14/10 18/21 30/6
31/10 48/18 57/10
62/13 88/16 88/17
88/19 91/14 91/17
96/7 108/19 109/3

without [6] 10/20
56/5 78/23 92/22
93/9 106/16

witness [6] 2/4 4/7

W

witness... [4] 40/24
77/12 101/19
117/19
witnesses [4] 45/19
75/23 76/3 80/19
won't [3] 8/13 58/9
86/4
wonder [1] 110/13
wondering [5]
12/14 114/12 115/3
118/11 118/14
Woods [1] 79/22
work [35] 7/16 8/7
8/16 10/8 15/19
17/1 17/10 17/16
21/22 30/4 61/1
61/18 61/19 61/23
62/13 63/13 82/2
82/10 83/13 84/3
84/13 86/1 86/2
86/9 86/12 86/14
86/24 87/12 87/18
89/20 93/4 107/1
107/3 109/5 110/10
worker [1] 16/3
workers [1] 68/15
working [6] 15/9
86/4 86/17 108/24
109/24 110/2
works [2] 23/15
29/4

worry [1] 73/7
would [213]
wouldn't [11] 20/3
22/1 22/6 24/14
27/21 48/17 56/6
72/4 73/9 103/18
106/13
Wright [1] 1/15
written [4] 3/17
41/3 42/17 112/7

Y

Yeah [2] 13/24 38/8
year [6] 70/6 84/7
88/1 111/10 115/19
117/3
years [11] 32/2 32/4
32/11 36/3 40/11
48/24 48/24 49/1
78/10 78/10 115/1
yellow [3] 74/4
96/10 96/22
yes [84] 6/20 7/21
8/12 9/4 11/19
12/24 13/2 17/19
18/17 19/9 20/15
20/20 21/20 22/21
22/23 23/24 24/1
25/9 25/19 26/16
26/19 26/20 30/8
30/13 31/12 31/20
32/11 35/9 36/23
37/20 41/1 41/6

41/12 42/16 44/10
46/9 46/16 46/21
47/8 49/16 50/6
51/7 51/23 53/2
53/13 55/3 59/8
59/22 60/14 63/1
63/5 64/1 64/9
64/21 64/23 64/24
66/1 67/13 70/4
70/14 71/3 71/13
82/10 95/14 95/15
95/22 96/1 96/14
97/7 99/6 99/8
99/21 101/16
102/11 104/19
105/10 108/8
109/13 111/11
111/15 111/18
111/19 117/23
118/10
yesterday [22] 4/18
9/9 11/1 23/10
28/12 28/13 31/1
33/23 34/2 34/21
35/17 35/22 36/2
38/5 38/11 39/10
44/11 80/23 81/3
81/24 118/5 119/8
yet [1] 23/2
you [347]
you'll [1] 30/13
you're [23] 6/13

Y

you're... [22] 12/6
 12/17 18/10 18/14
 18/18 22/20 34/13
 44/7 49/4 49/20
 50/2 50/3 53/3 55/2
 59/13 64/21 81/13
 101/8 110/6 110/7
 117/1 117/5
 you've [7] 11/22
 12/9 50/14 91/22
 101/21 104/7
 110/15
 your [48] 4/22 5/5
 9/15 9/17 12/16
 13/1 14/12 16/6
 20/21 23/23 26/24
 31/17 31/21 32/14
 32/14 34/6 36/20
 37/21 42/6 45/6
 46/17 52/15 64/12
 66/23 69/19 83/17
 84/12 87/9 88/8
 88/21 88/21 88/24
 91/12 93/1 95/1
 95/1 95/2 95/2 97/2
 99/17 103/6 104/7
 104/8 106/24
 108/10 108/22
 114/20 115/18
 Yup [1] 91/11

Z

zip [1] 99/14
 zone [5] 61/4 70/21
 70/22 72/3 92/16
 zones [1] 92/14
 ZYSK [116] 2/4 4/8
 5/17 7/14 7/21 9/3
 14/4 14/7 17/13
 17/21 31/20 32/3
 32/15 32/18 42/6
 42/14 42/20 43/1
 44/1 44/4 44/10
 44/19 45/6 46/21
 46/23 47/2 47/8
 53/13 53/17 53/20
 54/3 54/10 54/12
 54/14 54/21 55/2
 55/7 55/11 55/14
 56/14 58/14 60/14
 60/18 61/1 61/7
 62/11 62/15 62/21
 63/1 63/5 63/9
 64/17 64/21 64/24
 65/14 67/13 69/11
 70/4 70/14 72/14
 81/23 83/20 84/14
 85/24 86/15 87/23
 88/16 89/10 89/23
 95/15 96/13 97/6
 97/11 97/16 97/18
 99/6 99/8 99/10
 104/14 104/24

105/3 105/7 105/12
 105/21 105/23
 106/12 106/16
 106/21 107/3 108/8
 108/17 109/2 109/8
 109/12 109/16
 110/1 110/5 110/15
 110/19 111/6 111/9
 111/15 111/18
 113/15 113/21
 114/11 114/21
 115/5 115/10
 117/20 118/8
 118/21 119/8
 119/14 119/20
 119/24
 Zysk's [1] 107/13