of the swale leading toward the inlet of the pipe.

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MR. PERKINS: And if I'm reading the maps correctly it looks as though you're talking about underground phone and electricity from the pole on the string up to where the proposed cell tower is. That will stay on what I would consider to be the northern eastern side of the road, of the proposed drive. Is that correct?

It's all on one side of the road. I didn't see any crossing over or anything along those lines.

 $$\operatorname{\mathtt{MR}}.$$ PERKINS: And that's what we propose at this time.

MR. HANNON: But you also state in here that the underground utilities, they will be underground. But you also have storm drainage that's being proposed, in an essence the same area as the underground utilities. There's no profile. There's nothing that talks about that. So, I'm curious as to how the utilities would go in in conjunction with the storm drainage system?

MR. PERKINS: The utilities would be put to the side of the -- any drainage system. When I said the details of a utility profile would be part of final

design.

MR. HANNON: When you say to the side, are you talking about between the swale and the road, or outside of the swale?

MR. PERKINS: It may be either place.
We'd look at the impacts, I guess, and make a
determination of where they fit best with the least
amount of work.

MR. HANNON: Okay. Because the concern that I would have on that is if the underground utility trench goes outside of the swale that's going to intercept a lot of the water and that's not what it's designed for. So, I would be very concerned about that type of a scenario.

MR. VIVIAN: If I may, I've also - I've been -- before I was on the AT&T project I was with the tower developer. We did a few tower sites up in Vermont where we ran into a similar situation where we were concerned about erosion control. But we actually ran the conduit right up the middle of the road.

MR. HANNON: Okay.

MR. VIVIAN: So, it's -- that can be accommodated.

MR. HANNON: No, I'm just trying to get

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an idea because it's not explained in here where it's going, other than the fact that you've got underground utilities. 3 I mean, it is shown on the eastern and northern side of the road, not this side of the road. 5 MR. PERKINS: And ultimately the final design has to be determined when we do a site position with CL&P as well. MR. VIVIAN: When you commented on the utility trench intercepting water, it's not an open 10 trench. 11 MR. HANNON: I understand. 12 Oh, okay. 13 MR. VIVIAN: But any time you go in and you put a 14 trench in it tends to gather water. It does not make it 15 so much beyond that. 16 MR. VIVIAN: Right. 17 So, what I'm concerned about MR. HANNON: 18 is if you put the utilities on the outside of the swale, in essence you're intercepting water and redirecting it 2.0 to a spot that it's not designed to go. 21 MR. VIVIAN: Right. And there's 22 mitigation measures such as collars and things like --23 MR. HANNON: That's why I don't 24

participate -- this is an area that I don't seem very concerned about, so

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MR. VIVIAN: Oh, okay.

MR. HANNON: Going to some of the maps -I guess one -- this is just a question, and I don't know
what has been done or if there is an issue or there's
not an issue.

There's language on the maps talking about a perpetual easement. But I guess when my question comes in is because you are proposing to relocate part of the road over where there is the perpetual easement. Is that something that's been covered, documentation, when addressed to deal with that change?

MR. PERKINS: The deed only states that there's a 30 foot easement centered along an existing road on the property. So, I -- there is a hierarchy to legal definitions. Not being a land attorney I don't know which view would hold. Certainly it would seem to me the more specific thirty foot dimension is superior to a nonspecific center line of existing road. At this point we're merely showing that it's -- we're interpreting that there's a thirty foot right of way across that property that they have a right to use, and

1 we're showing a feasible alternative to where the road could possibly go. 2 MR. HANNON: I just think the deeds need 3 to accurately reflect where that is, because I'm -- if 4 -- again, it's off an existing road, I do have a concern 5 6 about that. Do you mind if we take like 7 MR. VIVIAN: a nice -- such as dealing with the maps in 4. One of the things I'm not positive what 9 you mean -- I think it's dealing with some drainage, but 10 at several places you have some language. 11 12 TC-Path, typical. In looking at the topography it looks 13 as though if that's sort of where the natural drainage is -- is that correct, or does it mean something else? 14 MR. PERKINS: Is the time of 15 concentration pack used in the analysis -- in the 16 hydraulic analysis. And it's the point that's most 17 remote -- the point in the drainage area that's most 18 19 remote from the outlet. MR. HANNON: 2.0 Okay. And again, go back, to the comment 21 earlier. It looks like it's on 4E and that's why I was 22 writing a question. 23

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If you look at the two culverts it look

as though the one further to the west, it looks like it's about a four feet depression. So, this is why I was kind of wondering why there wasn't at least some explanation on it, because that's fairly deep.

that.

I just was reviewing one in the Town I live in and they were proposing to put a six foot fence around it because of safety hazards. That's why it kinda caught my attention.

A question on the compound. You've got the AT&T equipment shelter, 3 further -- or future carriers, and one 4'x8' pad for generators. One of the things that we've been talking about is, I think at least at a minimum, looking at going in with the largest size pad I think our preference would be to see one generator on site and not four different generators.

So, I'm just wondering if that's something that can be looked at?

MR. PERKINS: Well, we can certainly do

Typically the two right now that they did -- the carriers that are licensed in that area -- the two that used the emergency generators are AT&T and Verizon. Verizon has their own generator internal at their shelter.

1 The other two carries typically are 2 either T-Mobile or Sprint, They use -- most use back up batteries, 3 but --4 5 MR. HANNON: Yeah. Because I mean I would think that you have a good idea --6. 7 MR. PERKINS: There's enough space where 8 we could lease, you know, instead go with one large generator. 9 . MR. HANNON: I think that's going to accommodate. It's where the council has been going 11 recently, so I just wanted to bring that up. 12 It's been done in other dockets too. 13 I think that covers it. 14 15 CHAIRMAN STEIN: Thank you. Mr. Lynch. 16 MR. LYNCH: I have two questions, 17 1.8 Mr. Chairman. The first one for Mr. Wells. 19 20 Earlier in a question from Mr. Mercier you mentioned that the focus of your network is more or 21 less transforming from the in building -- from the good 22 olde days of yesterday when we used to be strictly 23 24 Mobile, and my question is as far as network usage, is

that transformation also happening with regards to people that use their phones or tablets for streaming video games, help storage in the clouds, all the different apps. GPS driving coverage from the days that it used to be strictly ... hello, are you there?

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MR. WELLS: Yes. Very much so.

And even a bunch -- it's getting harder and harder to distinguish between data and voice these days because pretty soon with LT it's going to be the same data stream, the same channel and everything else. And even on UNTS its the same data stream.

And further, it's not just a Facebook

Application these days. We had one doctor recently
where the emergency -- the first responders talked
about the need for the data services to send, for
example, I think -- I don't know if it was x-rays or
whatever. Some type of medical data back. And there's
a lot of applications for public safety that require
data applications as well. It's becoming very much a
data centrix network, and even voice is considered the
data centrix these days and it's headed more and more so
in that direction.

MR. LYNCH: Your marketing has that trend going too. So, I just caught wind of it.

1 My second question is for Mr. Vivian. 2 The emergency generator, you use diesel; correct? MR. VIVIAN: Yes. 3 4 MR. LYNCH: How often is that diesel. generator -- I know it's -- one a month you start it up. 5 6 How often is that diesel generator topped off. And my question is to get those -- you know, following up on 7 Mr. Rosen's question earlier, how often when they do top 8 9 these off, is that diesel truck able to negotiate this 10 access road simply? 11 MR. VIVIAN: Well, that's two kinda 12 separate questions, so --13 MR. LYNCH: They are, yes. 14 MR. VIVIAN: I'll maybe handle the second 15 one first since most of the focus or concern has been with the State Grade. For this type of a site, what you 16 would do is you would have a four wheel vehicle, and you 17 18 would probably make two trips up -- let's say a hundred 19 gallon --20 MR. LYNCH: So, you're not bringing a 21 diesel truck, as we know it, up that road? 22 MR. VIVIAN: Correct. 23 MR. LYNCH: Okay. 24 MR. VIVIAN: And then the first question

1 is a little bit more of a gray area, I would think, and 2 then I'm not exactly the expert because once it's constructed I'm not as involved with the operations on, 3 say, the AT&T side of the house, but ... you know, other 4 than waiting, you know, actually run through a whole 5 emergency situation where, you know, you have to come 6 7 in, you know, every 48 hours or so to top it off. than that, you know, you've got your cycling. So, I 8 would be speculating, but I'm saying probably about every six months or so they would have one. 10 The reason I ask is you say 11 MR. LYNCH: you have a diesel generator, or what, in an emergency 12 situation for so many hours. But that's provided that it 13 is topped off. It's been running for -- let's say at 14 the end of that six month period you could be down to 15 half a tank and it won't run for the period that you --16 MR. VIVIAN: Oh, no. I'm 95 percent sure 17 that AT&T certainly look. Most carriers that address 18 19 things well would not allow their emergency backup 20 generator to run down to that level. MR. LYNCH: That's what I was getting at. 21 Thank you very much. 22 No more questions, Mr. Chairman. 23

Thank you.

CHAIRMAN STEIN:

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1 Mr. Ashton has a question? MR. ASHTON: Mr. Wells, have you ever heard of Skata? 3 MR. WELLS: I have. And is Skata a remote application that 5 allows you to interrogate or operate equipment at a distance. MR. VIVIAN: Yeah. I didn't -- it's going to be a little bit more detail. You know, Skata 9 10 is somewhat of a generic term. And if we're talking specifically for generators there is -- there's two ways 12 to monitor a generator. One is through simple contact closures and you can get low fuel alerts, et cetera. 13 14 The other is there's a mod -- what's referred to as a modless architecture, and you can get 15 16 all kinds of information off of there and actually back 17 haul it through your switch, because everything is going, -- he's in that backhoe these days. 18 He can actually connect in, get some mod 19 20 bust information and get anything from exhaust 21 temperature be to exact fuel levels and RPMs. All kinds of information. 22 2.3 MR. ASHTON: Is it fair to say that 24 Skata, in whatever manifestation it chooses, does away

1 | with a lot of the on site checking.

MR. VIVIAN: Yes. More and more. From batteries to generators to all kinds of things.

MR. ASHTON: Okay.

CHAIRMAN STEIN: Alright. I have just a couple. I just want to clarify. And I'm sure, maybe just for Attorney Chiocchio, I'm not sure.

On changed conditions. And I'm referring and done it, hopefully it's comprehensive to a document you submitted on February 15th, AT&T's motion to the Siting Council to reverse it's final decision in Docket 409 issuing a certificate for a modified tower facility. And after the initial paragraph you have -- I guess it's Item 1, change conditions. I just want to make sure under that -- what are changed conditions, because I understand that's one of the things we have to rule on.

And the fist item we talked about is the decision of the Connecticut District Court. So, is that decision -- is that a changed condition that you're going to site that you want us to cite? The decision of the court?

ATTORNEY CHIOCCHIO: To a certain extent, yes, because, as you know, we're here with this alternative or modified site as part of the negotiations

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     -- settlement negotiations regarding that litigation.
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     So, yes, that would be one of the changed conditions.
                    CHAIRMAN STEIN: Okay. The second one,
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     we have copies of Conn Dot's traffic statistics for
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              Now, I'm not clear if this is submitting new
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     data. Is the data showing changed conditions or is it
     just that you're submitting data you didn't submit
 7
     originally?
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                    ATTORNEY CHIOCCHIO: I think with respect
     to changed conditions the data supports the new federal
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     policies in fact that have emerged since the docket 409
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     proceedings regarding the goals and policies to provide
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     coverage to areas such as Falls Village.
13
14
     specifically Litchfield --
                    CHAIRMAN STEIN:
15
                                     Excuse me.
     Specifically --
16
                                         Specifically
                    ATTORNEY CHIOCCHIO:
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     Litchfield County and Falls Village.
18
                    CHAIRMAN STEIN: Is that the FCC's, I
19
20
     don't know, 2011 third party drive that -- and those
     census blocks that they identified. Is that what you're
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     talking about or is this something separate?
22
                    ATTORNEY CHIOCCHIO: Well, the specifics
23
24
     -- right.
               That specific data with respect to Falls
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1 | Village.

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CHAIRMAN STEIN: But the reference to -I don't know where it is -- mobility, fund phase one
eligible. Areas that that --

ATTORNEY CHIOCCHIO: Correct. And with respect to the FCC policy and the Federal policy to provide broadband and wireless services to rural areas.

CHAIRMAN STEIN: So, you're saying that's changed conditions because of that additional material that FCC has?

ATTORNEY CHIOCCHIO: Correct. They would identify this area as an area that needs coverage.

other just changed condition that you're citing. I don't see any. I see the modified siting location and the tower facility is your response, but that's not a changed condition. Are you saying that's a changed condition also?

ATTORNEY CHIOCCHIO: Well, I think in combination with the decision by the courts, AT&T has sought an appeal of a decision. As part of the negotiations with the State we're proposing this modified site. Scott produced visibility. It does provide as much coverage as our original proposed site,

but, you know, we're proposing it for the council's
consideration, and that's changed conditions.

CHAIRMAN STEIN: Okay. I guess it's -- I

would advise you not to turn around. When we started we should have started -- we should continue this for at least another half hour, hour, otherwise we're all going to get drenched, but

No, there was a method to my madness when I said don't turn around.

So yes, sir.

MR. MERCIER: I just have a follow up question if you would be so kind. I can't -- going back to try to look at the drainage and I can't tell based on these maps what's what. Is there any way to provide a larger scale map?

They have to come up with a map somehow, and so I was just curious if there was something larger scale because everything looks like a B to me.

ATTORNEY CHIOCCHIO: Could we perhaps both file a large scale identical to the -- it's already in the record. Thank you.

CHAIRMAN STEIN: Once upon a time, two years ago, the chair thought that large scale maps should be presented along with everything else, so

in case somebody came up with a question like that we 1 would have one readily available. Maybe some day that 2 3 will happen. Thank you all. Again, I apologize for 5 the delay in starting. Before closing --6 ATTORNEY CHIOCCHIO: Mr. Chairman, I'm 7 sorry. We have a few questions on redirect for my witnesses. 9 Okay. Sure. CHAIRMAN STEIN: 1.0. ATTORNEY CHIOCCHIO: Very few. 11 12 shorten this out. I would like to start with Mr. Libertine. 13 Have you had a chance to review the maps 14 provided in the 2013 plan of conservation development 15 16 for advertising? MR. LIBERTINE: Yes, I have. 17 CHAIRMAN STEIN: And based on those maps 18 can you confirm that the Town suggested Alternative 5 is 19 in an area designated as public space? 20 MR. LIBERTINE: Based on cross 21 referencing the plan of conservation resources map and 22 our maps, the location that Mr. Cooper identified is 23 Location 5. To confirm that that cite location does 24

fall within an area that is identified as preserved open space.

ATTORNEY CHIOCCHIO: Thank you.

And with respect to visibility and mabusha, can you give us a very brief summary of the overall shed area and the visibility of the tower.

MR. LIBERTINE: With the modified location the visibility, as would be expected to a certain degree of shifts. In this case it shifted a bit dramatically. What we had in the certificate cite -- I called the main areas of visibility where the tower would have been visible above the tree line. It was in an area that was roughly in the southwest to northwest portion of the Route 7 and 63 Barnes Road intersection area, moving westward on Route 7 and then a little bit southward toward the Village.

Route 63 and Under Mountain Road area, and then areas along -- I'm sorry. Excuse me, Route 63 and the Mystic Mountain Road area. And then another area along -- to the north, along Under Mountain Road. What's happened as we go to the modified location, the area in the Route 7/Route 63 intersection itself to the village has pretty much been eliminated. There's a short stretch on Route

7 to the northwest where you would still see both locations. That's been significantly minimized. essentially a wash along that stretch of Route 63 that I spoke of in that Mystic Mountain Road intersection general area. We're just essentially southeast of our There's slightly more visibility associated on Under Mountain Road with the proposed modified location, which would be somewhat expected because we moved that significantly to the East, which is closer to that road, but my recollection from the original hearings for that certificate site was we heard quite a bit of feed back from the town that the gateway area -- that Route 7, 63 intersection was really one for the major areas of concern. And so that's why we looked so hard and tried to eliminate that, which I think we accomplished with our modified location.

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ATTORNEY CHIOCCHIO: Thank you.

Mr. Gustafson, can you clarify or provide a little more detail on your statistic of 70 acres of clearing when you talk about forest fragmentation.

MR. GUSTAFSON: I would be happy to.

The 70 acres of development they do reference in our response to the council. I have two interrogatories. Question 12 relates to a metric -- as

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defined by UConn clears. It uses and Edgewood metric and it's just three hundred feet from the proposed development. So, the 70 acres does have to wait for land clearing or development, and it relates to this schedule fact, and as part of an analysis of forest fragmentation. So, we took the legal length of the access road, but in 65 linear feet times six hundred and twelve feet. Looked at the road, plus 300 feed to either side. Plus they were already on the compound and that equals approximately 70 acres.

ATTORNEY CHIOCCHIO: Thank you.

And can you provide a little bit more detail on the Multi Species Protection Plan for construction that you talked about at the last hearing.

MR. GUSTAFSON: The Specifies protection plan would follow similar protocols that we've submitted to the council on previous dockets that have been approved both by the Connecticut Department of Energy and Ronald Protection, as well as the counsel.

I'll reference two dockets. 434 which is Verizon W. Htfd relo. It's a pending docket. We submitted a protection plan for the eastern box turtle which was a special concern, the species. That plan was approved by DDAV. And the previous docket to that was

docket 397, which is, again, a Verizon facility. East Woodstock. We submitted a species protection plan for reptiles and amphibians. Particularly in relationship to our overall pool habitat and that was approved by the Siting Council.

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And quickly, the protection plan validity included a number of elements. It would include an education program of the contractors. They will be working on the project, so they are sensitive to the environmental condition of the property and the potential for encountering a variety of wild life.

Provide insolation measures along the prospect perimeter to prevent any potential conflicts with construction and any wildlife that may walk into the project location. Those isolation measures generally consist of barrier control, so just silk fence.

Independent inspection of the perimeter controls to ensure proper maintenance during construction. A periodic sweep to the project to ensure the perimeter controls are working properly or installed properly.

During their initial installation as well as during the duration of the construction project. And

finally, the reporting of any findings of wild life 1 2 encounters during the project. 3 ATTORNEY CHIOCCHIO: Thank you. MR. GUSTAFSON: You're welcome. 5 ATTORNEY CHIOCCHIO: Just a few questions for Mr. Wells. Based on your experience and working with other carriers can you provide an estimate of the worse case cumulative power density from a site as proposed. 9 1.0 MR WELLS: Using fairly concerted calculations we would be under 50 percent of the 11 12 standard. And That's using some very conservative 13 calculations. That's some very conservative calculations based on some unmeasured and more realistic 14 calculations. This site will probably come in around 10 15 . 16 percent for the FCC NPA standards. 17 ATTORNEY CHIOCCHIO: Thank you. 18 And you had looked at or we had looked at 19 the existing CL&P powerlines in the area and we had determined that they were not -- they would not provide 2.0 coverage to the area targeted for coverage. Can you 21 explain a little bit about why that's so. 22 23 MR. WELLS: Well, primarily distance and height. And they're too far away and too short to be an 24

exhibit.

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ATTORNEY CHIOCCHIO: Very good. And can you explain a little bit about the single loans that are shown on the plot and the white areas that are on the plots. They don't indicate other signal levels that are not relying on coverage. Can you explain?

MR. WELLS: Well, we show two levels as discussed in response to one of Mr. Mercier's questions. We show E building and vehicle levels for reliable coverage. It doesn't mean that if there is not a color assigned to the map, it's in one of our white areas that there is. No coverage at all simply means below the reliable coverage standard.

And you may be able to make calls sometimes in those areas. It's simply not == there are two effects that happen. One is it is not reliable coverage in that area, even though you may be able to make calls sometimes. As capacity starts to increase on those cites, those areas become worse and worse. And then further, those white areas also effect the areas the you do have coverage in. Because a site is trying to each him to cover those areas, or sites, and those sites are working too hard to cover those areas, which further affects both the coverage and capacity of those

existing surrounding cites.

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In previous hearings I was asked about issues where in emergency conditions what happens.

Well, those white areas, exacerbate those emergency conditions. And because those surrounding sites are already working hard, now you throw capacity issues on top of that, and those areas are becoming even more problematic.

ATTORNEY CHIOCCHIO: Thank you.

And one last question for Mr. Vivian regarding the proposed access drive realignment. Can you explain the realignment in that one area.

MR. VIVIAN: Yes. I guess I could refer to a sheet CO-2A which shows the proposed realignment. The easement within D is described on parcel 2, which is where we realigned it to. The existing road is contrary to the parcels described in the easement which would improve parcel one and bleeds over onto parcel 1 and onto -- well, it's not referenced here but the adjoining property, which is actually 18 Barnes Road, Map 5, Lot 17 owned by the Higgins.

So, the realignment is an attempt to bring the access drive into alignment with the description of the deed.

Thank you, Mr. Vivian.

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That's all. Thank you, Chairman.

CHAIRMAN STEIN: I thank you. Before closing this hearing the Siting Council announces briefs and findings of fact may be filed with the council by any party or intervener no later than July 11, 2013.

The submission of briefs or proposed findings of fact are not required by this council, but rather we leave it to the choice of parties eminent readers. Anyone who has not become a party or intervener, but who desires to make his or her views known to the counsel, may file written statements with the council within 30 days of today.

The council will issue direct findings of fact, and thereafter parties and intervenors may identify areas of inconsistencies between the Council's draft findings of fact and the record. However, no new information, no new evidence, no argument, no reply briefs without our permission will be considered by the Council.

Copies of today's transcript will be filed with the Falls Village Town Clerk's office. It looks like we have a break in the weather so I'm going to declare the hearing adjourned, and drive home safely.

1	CERTIFICATION
2	
, 3	STATE OF CONNECTICUT)
4) ss. COUNTY OF HARTFORD)
5	
6	I, Nancy E. Paretti, a Notary Public in
7	and for the State of Connecticut, do hereby certify that
8	the foregoing record is a correct and verbatim
9	computer-aided transcription of the proceeding set
10	forth.
11	I further certify that I am neither
12	counsel for, nor related to, nor employed by any of the
13	parties to the action in which this proceeding is taken
14	and further certify that I am not related to, nor an
15	employee of any attorney or representative employed by
L6	the parties thereto, nor am I financially interested in
L 7	this action.
L 8	In witness whereof I have hereunto
L 9	set my hand and affixed my notarial seal this date,
20	July 3, 2013.
21	I Janey & Paic XX
22	Nancy E. Paretti
23	Notary Public
J	·

My commission expires February 28, 201

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