

COMMONWEALTH OF MASSACHUSETTS

CITY OF CAMBRIDGE

IN RE: POLE AND CONDUIT COMMISSION HEARING

POLE AND CONDUIT COMMISSION BOARD MEMBERS:

RICHARD SCALI, Chairman (Not Present)

WILLIAM DWYER, Superintendent of Streets

GEORGE FERNANDES, City Electrician

STAFF:

ELIZABETH Y. LINT, Executive Officer

AT: Michael J. Lombardi Municipal Building
831 Massachusetts Avenue
Basement Conference Room
Cambridge, Massachusetts 02139

DATE: Tuesday, November 23, 2010

TIME: 11:00 a.m.

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P R O C E E D I N G S

ELIZABETH LINT: Okay. The meeting of the Pole and Conduit Commission, Tuesday, November 23, 2010. It is 11:07 a.m. We're in the Michael J. Lombardi Municipal Building, 831 Massachusetts Avenue in the basement conference room.

Before you are Commissioners Bill Dwyer and George Fernandes.

You need to accept the minutes from October 21st.

GEORGE FERNANDES: Motion to accept the minutes of the meeting for Thursday, October 21, 2010?

WILLIAM DWYER: Moved.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: Yes.

ELIZABETH LINT: Okay. The first matter, which was continued from October 21st, CCG Communications.

GEORGE FERNANDES: That is to

install 144 count fiberoptic cable in Verizon conduit from corner of Third and Broadway to Galileo Way and Broadway.

JEFF HARRINGTON: Yes. So, George, I brought with me for the record the Verizon licenses for that in case you want to add them in. So we are -- (forwarding document) -- so we're all approved with Verizon to place that cable through their system.

GEORGE FERNANDES: So, it's just a lease of the conduit?

JEFF HARRINGTON: Just a lease of an inch and a quarter within the conduit system.

GEORGE FERNANDES: Any installation of the fiber?

JEFF HARRINGTON: Yes.

GEORGE FERNANDES: Any questions on that?

Is anybody here from the City of Cambridge, public or resident? No.

Okay. And the motion to approve?

WILLIAM DWYER: Moved.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: Yes.

ELIZABETH LINT: Then CCG also continued from October 21st for No. 10 Cambridge Center.

GEORGE FERNANDES: This is to trench 425 feet in the public way for Manhole 253 to customer Biogen located at 10 Cambridge Center and also to trench approximately 325 feet in the public way from Manhole 542 to 10 Cambridge Center and CCG will be placing one four-inch PVC conduit in the trenches and installing (1) 72 count fiberoptic cable in conduit.

That has changed, correct.

JEFF HARRINGTON: Yes, correct. So this is the one that we were asked to look go back and look at some private property conduit. So what we were able to do is -- let's take -- we'll divide it up in sections. So, the first section that went from Manhole 542 to 10 Cambridge Center, we were able to do a joint trench with Abovenet Communications because they were on agenda in the same meeting and we were able to combine

a trench into 4 Cambridge Center and then use existing Biogen conduit from 4 Cambridge Center over to 10 Cambridge Center so that alleviated from a 350 dig down to an 80-foot joint trench to the City of Cambridge. So, I think that worked out very well. We had a meeting off site to review it and I think that made the most sense. So we went ahead with that trench.

On the other side of it, we have proposed a dig from the corner of Galileo Way and Broadway down Broadway into 10 Cambridge Center. We were able to meet with, again, folks from Biogen and they had existing underground facilities that left 10 Cambridge Center and went over to the parking garage that's located kinda in the middle of Cambridge Center, just south of Galileo Way adjacent to 11 Cambridge Center. That enabled us by using that section of conduit that went across the existing park, we were able to shave off approximately 110 feet of conduit.

So the new trench -- we went to the

DPW with the 200-foot proposal and that's what we paid our SPOF fee on. We actually got it down to about 180 feet so we were able to -- Billy, I have these. I don't know if you had a chance to see them, but I brought these for the record, too. We have our Verizon break-out manhole licenses as well as the engineer drawings that you had requested at the last meeting along with traffic plans.

WILLIAM DWYER: Good.

JEFF HARRINGTON: So that showing the existing proposed trench versus the new trench which, you know, the direction made sense to try to keep out of the city public way as much as we could.

And then, what we were able to do, again, I don't, you know -- there was a patch that was left over in the concrete sidewalk from existing water cut, and that was just asphalted over and we're taking that ownership to replace it with concrete.

ELIZABETH LINT: Have you submitted the new plan to Tricia?

JEFF HARRINGTON: No, not yet. I

think that was the discussion.

GEORGE FERNANDES: He's gonna have to submit a plan on both.

ELIZABETH LINT: Yeah.

GEORGE FERNANDES: And submit those prior to getting your permit.

JEFF HARRINGTON: Okay.

GEORGE FERNANDES: All right.

JEFF HARRINGTON: Should I -- not on the cable pull, right, just on -- not on the 144 that we just approved, it's just on the digs, right?

GEORGE FERNANDES: Correct, yeah.

JEFF HARRINGTON: Do you want these for the record or do you want me to submit these on the next one?

GEORGE FERNANDES: Submit them on the next one.

Okay. Any conditions?

ELIZABETH LINT: That will go on to be readvertised?

GEORGE FERNANDES: No, I think we'll approve it and he'll submit to be approved on the next meeting.

WILLIAM DWYER: City permits and SPOF regulations applied.

GEORGE FERNANDES: All right.
Motion to approve?

WILLIAM DWYER: Moved.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: That's it.

JEFF HARRINGTON: Thank you very much.

ELIZABETH LINT: R.W. Hyde for Moulton Street.

GEORGE FERNANDES: Oh, yeah. This was continued and this is R.W. Hyde for Trapelo Road, Belmont installing an underground conduit from private manhole located in the rear parking lot of 10 Moulton Street through the private parking lot at 617 Concord Avenue under Fawcett Street at a depth of approximately 10 to 12 feet below asphalt and into the underground parking garage at 10 Fawcett Street.

Two-inch conduit will be used to carry fiberoptic cable that will connect BBN

Technologies main campus to BBN offices rented at 10 Fawcett Street.

This work will have no impact on traffic as our work site will be located in the private parking lot near the manhole. We expect this work to have little, if any, noise and this work will be completed during normal hours.

Please find a copy of the site plan along with the section through the street showing existing utilities.

So there's a change in this also, right?

MICHAEL SARACENO: Yes. Mike Saraceno, here on behalf of Lighttower Fiber Networks. BBN had originally applied for the permit. Lighttower Fiber Networks is going to take that over and reapply upstairs with Tricia.

We have -- we discussed this last week about property and who owns the properties and will they give us approval to do this, and I have the letters from each one of the properties that does give us

permission -- gives Lightower permission to do this bore from 10 Fawcett to 10 Moulton Street.

GEORGE FERNANDES: Do you have those with you?

MICHAEL SARACENO: Yes. (Forwarding documents.)

GEORGE FERNANDES: So nothing -- the routing and everything is the same?

MICHAEL SARACENO: Everything is the same.

GEORGE FERNANDES: It's just different ownership on the conduit?

MICHAEL SARACENO: That's the only thing that changed, that's correct.

GEORGE FERNANDES: Okay. Any concerns?

WILLIAM DWYER: Yeah, the conditions or concerns that I have is Fawcett Street is scheduled to be reconstructed, if not next construction season and shortly thereafter, some major civil work and road restoration, things of that nature, so I need to make a condition that somebody from Lightower needs

to come down to Public Works and sit with us so we can discuss and coordinate where the new utilities have got to go, both yours and ours, and coordinate the location of everything so we're both on the same page. That's basically the one condition I have to imply here.

And as far as -- once we get that done and out of the way and he goes through the normal permit procedure, whatever that may be because I know you're doing a lot of your work on the public parkway, but also you're crossing a public way. Once you get that all straightened out, then I don't see any problems as far as moving forward in the weeks or months to come.

MICHAEL SARACENO: Okay. We would like to try to do it before the cold weather sets in.

WILLIAM DWYER: Absolutely, sure. I don't see any issue with that. What you've got to do is direct burial, you got to do all your earth disturbance, so to speak, on private property for the most part, anyway.

That would be your problem. You can deal with that. As long as you're not in the public way, I think we can move ahead with this.

MICHAEL SARACENO: Okay.

GEORGE FERNANDES: You have to submit a new application under Lightower's name, Mike.

MICHAEL SARACENO: I'll do this today.

GEORGE FERNANDES: So on a motion to approve?

WILLIAM DWYER: Moved.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

ELIZABETH LINT: Any other conditions other than coordinating with you and a new application?

WILLIAM DWYER: Well, it would city permits -- I think permits at this point and probably no SPOF involved.

GEORGE FERNANDES: You're all set.

ELIZABETH LINT: Abovenet, Galileo Way and Broadway.

NEIL BRESNAHAN: Good morning.

GEORGE FERNANDES: Good morning. So this is a continuation -- rather than read all this because it's all changed, right?

NEIL BRESNAHAN: No, we didn't change anything actually. We did the joint trench to 54 feet, we did that with Lightower to get us into the building, so that work is done and complete.

GEORGE FERNANDES: All right. So you are going through all these -- you're leasing manholes from -- conduits from Verizon.

All right. So, it's from Verizon Manhole 525 on Galileo Way and all other manholes that Abovenet will be pulling fiber cable on Broadway. They are as follows: Manhole 521 on Galileo Way to Verizon 543 on Broadway for 165 feet; Verizon Manhole 543, Verizon Manhole 542 for a distance of 803 feet on Broadway; Verizon Manhole 542 to Verizon Manhole 541A for 310 feet on Broadway; Verizon Manhole 541A to Verizon Manhole 541 for 364 feet on Broadway; Verizon

Manhole 541 to Verizon Manhole 536 for 141 feet on Broadway for a total of 1,783 feet of Verizon conduit.

In addition, a breakout from Verizon Manhole 542 on Broadway and trenched to 4 Cambridge Center for an additional 54 feet.

NEIL BRESNAHAN: Yes.

GEORGE FERNANDES: That remains in what we did was we saved Lightower from doing that.

NEIL BRESNAHAN: We saved Lightower from doing that extra construction and we put them in the trench. We actually put three four-inch conduits in there. We put one for Lightower, one for ourselves and one for the city.

GEORGE FERNANDES: One for the city.

NEIL BRESNAHAN: Of course, we had to stop it at the building wall and also the manhole wall.

GEORGE FERNANDES: Okay. So any conditions?

WILLIAM DWYER: I guess it just would be a city permit conditions -- city

permit regulations and the meeting that you had with the two departments with this electrical department and Public Works.

NEIL BRESNAHAN: Okay.

WILLIAM DWYER: That would be it.

GEORGE FERNANDES: Okay. Motion to approve?

WILLIAM DWYER: Moved.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

NEIL BRESNAHAN: Good. Thank you.

ELIZABETH LINT: New petition for Harvard.

MARK O'BRIEN: Good morning.

GEORGE FERNANDES: Okay. Harvard.

So this is a petition for Harvard University for the following: Harvard University is petitioning to install a fiberoptic cable from 38 Kirkland Street across Sumner Road to Pole 7 and then continue to Pole 9. From Pole 9, we will run a cable to 20 Sumner Road, which Harvard University has recently purchased. We will then run fiber cable to 40 and 42 Kirkland

Street, which are also recently purchased.

MARK O'BRIEN: Design School would -- they purchased these buildings. It's on the edge of their campus. They would like to get them on the network. So I want to apply to Verizon and NStar who occupy the poles.

GEORGE FERNANDES: Okay.

MARK O'BRIEN: There should be Verizon manholes.

GEORGE FERNANDES: Question?

SARAH BURKS: Yes. Sarah Burks of the Cambridge Historical Commission. This is the main Cambridge Conservation District. I'm just wondering whether there are any structures at grade or how it connects to the buildings, whether there are any new structures attached to the building to make the network connections.

MARK O'BRIEN: We'll just be coming off the pole with an attachment to the house.

SARAH BURKS: The cable. Through a small hole, existing hole in the building or is there a box or something?

MARK O'BRIEN: We'll make an attachment onto the house just below where X amount of inches below the electrical cable and Verizon's cable. So we'll just be attaching a couple of bolts and running a cable down into the basement.

SARAH BURKS: So is there a large conduit or anything?

MARK O'BRIEN: No. There will be a piece of strand from the pole, or just the cable actually, and it's quarter-of-an-inch.

SARAH BURKS: So where you're running it down the building, it's just the cable?

MARK O'BRIEN: Just the cable, yes.

SARAH BURKS: All right. Thank you.

GEORGE FERNANDES: In fact, the two buildings, it would be in the rear of the building?

MARK O'BRIEN: Right.

GEORGE FERNANDES: And 20 may be on -- it will be on the side?

MARK O'BRIEN: Yes. We may put conduit in between those buildings, 20 to 40

to 42.

GEORGE FERNANDES: Underground?

MARK O'BRIEN: Yep.

GEORGE FERNANDES: All right. Any other concerns?

WILLIAM DWYER: No. Nope. Pretty cut and dry.

GEORGE FERNANDES: Motion to approve?

WILLIAM DWYER: Yeah. Under the conditions of city permit specs -- no, moved and seconded.

GEORGE FERNANDES: Okay. All in favor?

WILLIAM DWYER: Yes.

MARK O'BRIEN: Thank you very much.

ELIZABETH LINT: NStar.

GEORGE FERNANDES: NStar Electric, for the following: Trowbridge Street northeasterly from Manhole 2910 at Massachusetts Avenue, a distance of approximately 82 feet of conduit.

JACQUI DUFFY: We're going to continue this again waiting for the other

utilities.

GEORGE FERNANDES: Waiting for telephone and Comcast?

JACQUI DUFFY: Yes.

GEORGE FERNANDES: I don't think there's been any activity there either.

JACQUI DUFFY: No.

WILLIAM DWYER: As a matter of fact, there's a maintenance scheduled for the demo maybe for a week or two from now, you know, us folks and the DPW that do that sort of thing. It's starting to come around.

GEORGE FERNANDES: Is there any transformer required here on the property?

FRED MARTINIS: It's on the ground.

GEORGE FERNANDES: It's on the ground.

FRED MARTINIS: It's on private property, but it's on the ground.

GEORGE FERNANDES: Sarah?

SARAH BURKS: Sarah Burks, Cambridge Historical Commission, this is a project that the Historical Commission has reviewed under the demolition ordinance. So we're

interested in how this develops whether there are any changes to the proposed transformer situation or any aboveground structures related to mechanicals and utilities, if they need connections and whatnot. If you get any -- if NStar could submit their drawings to the Historical Commission, and if there are on-site meetings to talk about these issues, if I could be cc'd on those arrangements, that would be greatly appreciated.

GEORGE FERNANDES: Do you currently have a drawing that shows the location of a transformer on the building?

SARAH BURKS: Do I? No.

GEORGE FERNANDES: Oh, you don't. Nothing has been submitted.

SARAH BURKS: No, I have spoken to the architect and they said it would all be below grade or in the basement or something like that, but I don't have any drawings.

GEORGE FERNANDES: All right. Okay.

What I'll do is if they change these drawings, this is just an underground feed to

the property. If there's a transformer, it has to be cited, right?

FRED MARTINIS: Yes.

GEORGE FERNANDES: So, what I get from NStar, I'll forward to you.

SARAH BURKS: Okay. Thank you.

GEORGE FERNANDES: It's so noted that if NStar -- if there's any changes to the NStar utility, then they've got to forward us a new drawing for that. If a transformer ends up on the property, then it would be up to the owner to submit a plan to you to meet the --

SARAH BURKS: The owner or NStar?

GEORGE FERNANDES: It would have to be the owner because they won't -- you wouldn't submit a drawing for private property, so whatever the owner comes up with for a drawing on their private property should show the location of the transformer whether it's going to be indoor or outdoor.

SARAH BURKS: Okay.

GEORGE FERNANDES: Probably would be --

FRED MARTINIS: Right now there's nothing above the ground.

GEORGE FERNANDES: Correct. So I'm assuming that the transformer's probably going to be in the basement of the building, but you'll have to take note of that when they submit a drawing to you. We'll watch this end if anything changes on that.

SARAH BURKS: Thank you.

GEORGE FERNANDES: Any other concerns, conditions?

WILLIAM DWYER: No. I'm fine right now.

GEORGE FERNANDES: We're going to continue this anyway. We're going to wait for telephone and Comcast.

Okay. A motion to continue?

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: Okay. NStar Electric for Walden Street, westerly from Pole 38 approximately 188 feet southwest of Wood Street a distance of approximately

72 feet of conduit.

JACQUI DUFFY: This is the one you gave us the approval for?

GEORGE FERNANDES: Yes.

WILLIAM DWYER: Correct.

GEORGE FERNANDES: Any questions or concerns?

WILLIAM DWYER: No. Everything was done with the blessing of the DPW as far as permits and timing and everything else and road restoration, so we're fine.

GEORGE FERNANDES: Okay. Motion to approve?

ELIZABETH LINT: Reapproved?

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: Reapproved.

Motion and reapproved.

WILLIAM DWYER: Motion and reseconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

JACQUI DUFFY: Thank God the rest of them are approved. The ones we brought in at the end, yeah.

GEORGE FERNANDES: Everything else is...

ELIZABETH LINT: Berkeley Street, Moore Street, Market Street, Concord Avenue and Smith Place, Harvard Street and Dana Street and Mt. Auburn Street and Plympton.

JACQUI DUFFY: The top is going to be taken off. I was told it was replaced with Athens Street. We had to find a different pole to go on. So we're on Athens Street instead of Plympton. So that's like the second one so the first one should have been taken off.

GEORGE FERNANDES: So which one are we on?

ELIZABETH LINT: Berkeley Street.

GEORGE FERNANDES: They were preapproved.

ELIZABETH LINT: They were preapproved at the last hearing.

SARAH BURKS: Could I just ask: These repeater antennas, what are they for?

GEORGE FERNANDES: Would you like to answer that or I can answer that?

FRED MARTINIS: Go ahead. You'd probably do just as good as I would do.

GEORGE FERNANDES: These are to control, remotely control a switch that's currently existing in a manhole in the street and there's going to be an antenna about the size of this square (*indicating*), about so thick (*indicating*), buried in the ground, and then there's an antenna placed on a pole in the vicinity of this so that they can do remote switching from Boston.

FRED MARTINIS: Boston, yeah.

GEORGE FERNANDES: Okay. It's a benefit to all the ratepayers because if there's an outage, the first thing they do is to find where the outage is and they send -- physically send trucks and people in to do switching to get power restored whenever they can. This way here in the future, they would be able to do this remotely. So, it saves maybe a couple hours, at least two hours, I would say, on an outage.

SARAH BURKS: I checked with NStar this morning and they sent me a picture of

what the antennas on the poles look like and what their approximate dimensions are and they seem fairly innocuous. Probably not noticeable to anybody who is not looking for them.

But I will mention that many of these locations are in either historic districts or conservation districts so just going forward, I would hope as the technology changes, any unused equipment would be removed and any new equipment be as small as possible.

GEORGE FERNANDES: Yes. This is probably the least noticeable thing that would be on our very attractive utility poles, so...

SARAH BURKS: Thank you.

GEORGE FERNANDES: You're welcome. So this is Berkeley Street for an antenna southwesterly from Manhole 9, 83 installed in sidewalk roadway antenna on Berkeley Street southwesterly side and install an 18-inch repeater antenna on Pole 6.

Motion to approve?

ELIZABETH LINT: Reapprove.

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: NStar Electric for Moore Street, southwesterly from Manhole 2891, install sidewalk and roadway antenna and on Market Street northeasterly side install an 18-inch repeater antenna on Pole 3.

Motion to approve?

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

Reapproved.

ELIZABETH LINT: Thank you.

GEORGE FERNANDES: The NStar Electric for Concord Avenue easterly from Manhole 1684, sidewalk roadway antenna Smith Place westerly side install associated 18-inch repeater antenna on Pole No. 2.

Motion to reapprove?

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: NStar for Harvard Street northeasterly from Manhole 3083, install walk roadway antenna. Dana Street, southeasterly side install associated 18-inch repeater antenna on Pole 13.

Motion to reapprove?

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: NStar.

JACQUI DUFFY: The top one is out and just go to the new one.

GEORGE FERNANDES: This is for new application for NStar Electric for Mt. Auburn Street northwesterly from Manhole C77T, install sidewalk roadway antenna and Athens Street southwesterly side install associated 18-inch repeater antenna on Pole 2.

Motion to approve?

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: NStar, Mt. Auburn Street easterly from Manhole 2761, install

sidewalk roadway antenna and Eliot Street, easterly side, install associated 18-inch repeater antenna on Pole 2.

Motion to reapprove?

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: NStar Electric, Concord Avenue from Manhole 1632, install sidewalk roadway antenna. Manassas Avenue, southerly side, install associated 18-inch repeater antenna on Pole 6.

Motion to reapprove?

WILLIAM DWYER: Yes. Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: I move that we adjourn.

WILLIAM DWYER: Moved and seconded.

GEORGE FERNANDES: All in favor?

WILLIAM DWYER: Yes.

GEORGE FERNANDES: That's the end of the year rush.

ELIZABETH LINT: That's it.
(Whereupon, the meeting
adjourned at 11:42 a.m.)

COMMONWEALTH OF MASSACHUSETTS
MIDDLESEX, ss.

I, Jill Kourafas, Certified
Shorthand Reporter and Notary Public duly
commissioned and qualified in and for the
Commonwealth of Massachusetts, do hereby
certify that the foregoing record, Pages 1
through 32, is a complete, accurate and true
transcription of my stenographic notes taken
in the aforementioned matter to the best of
my skills and ability.

In Witness Whereof, I have hereunto
set my hand and affixed my seal this 26th day
of November 2010.

Notary Public

My Commission Expires:

February 2, 2017

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