

Monkey Brains
590 York St.
San Francisco, CA 94110
March 9, 2011

Department of Public Works
1 Dr. Carlton B. Goodlett Place
City Hall, Room 348
San Francisco, CA 94102

Dear Simon Chan:

Monkey Brains is interested in installing fiber optic cable via microtrenching in the Mission District and SoMa. In short, microtrenching is the process of making a narrow saw cut in the street, installing a fiber cable, and then patching the cut. Our goal is to provide affordable, reliable, fiber-speed service to businesses and residents of San Francisco.

When it comes to high speed Internet, the United States is lagging behind the rest of the world. Other countries have already recognized that microtrenching is environmentally friendly, affordable, and minimally disruptive to install. The future of Internet accessibility is dependent on fiber-speeds. In twenty years, every house will need to be connected to the Internet via fiber in order to keep up, and we want San Francisco to lead the fiber revolution in the U.S. by providing gigabit speeds to residents. (View country rankings here: <http://netindex.com/> - US is #32)

Our business is based in San Francisco and has been in operation since 1998. Monkey Brains has a strong relationship with our customers and the community. Currently, over 1000 San Franciscans access the Internet through Monkey Brains' wireless links. Our customers span from KQED, EFF, and BAVC to small businesses and residential units.

Initially, we propose a one mile long pilot program in the Mission District where we would offer all businesses and residential units along the route fiber access. Furthermore, we would allow the property owners to own the 'fiber tail' from the street to their home -- this would allow them to switch to any other carrier in the future without needing to cut into the sidewalks again.

Our project dovetails with the Eight Priority Policies of San Francisco:

1. New technology will increase job opportunities
2. Microtrenching is low impact -- almost invisible -- housing and neighborhood character will be preserved
3. Our technology will be offered at affordable rates and we will continue to provide free Wifi Hotspots
4. Commuting will be reduced: fiber speeds will promote telecommuting
5. Service jobs will be created and new businesses will spawn in the wake of fiber-speed Internet
6. Additional infrastructure makes the City better prepared
7. Microtrenching is non-invasive and will not alter landmarks
8. Fewer cables will mar the skyline: Microtrenching is underground (other companies are installing 2" diameter fiber ducts on telephone poles)

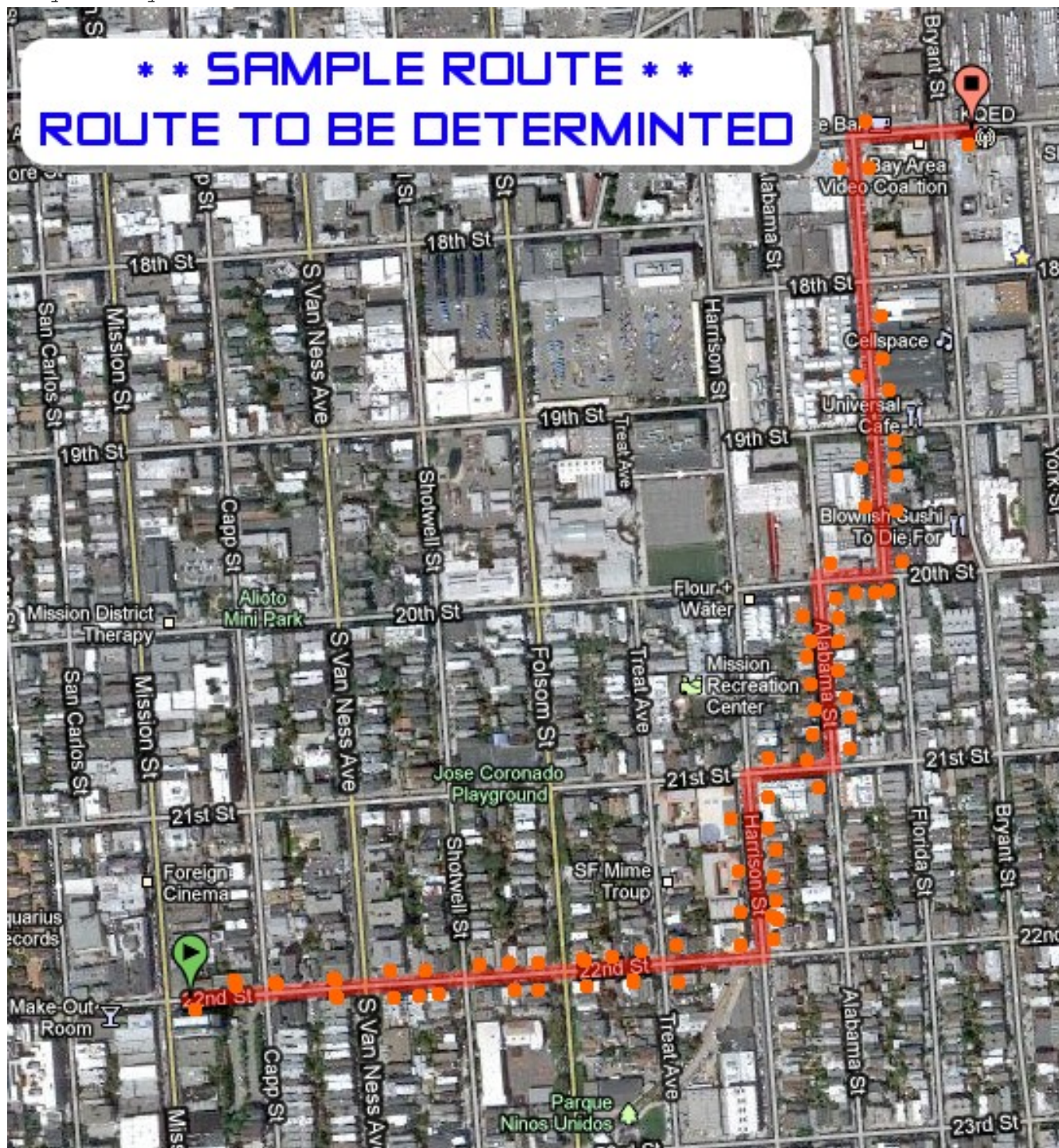
Attached is a basic drawing showing the approximate trench size. We are

still researching the best route, but I have attached a sample route from KQED to the US Bank building on 22nd and Mission.

I look forward to meeting with DPW to discuss permits for this project and future microtrenching policy. Please give me a call to set up a meeting.

Sincerely,

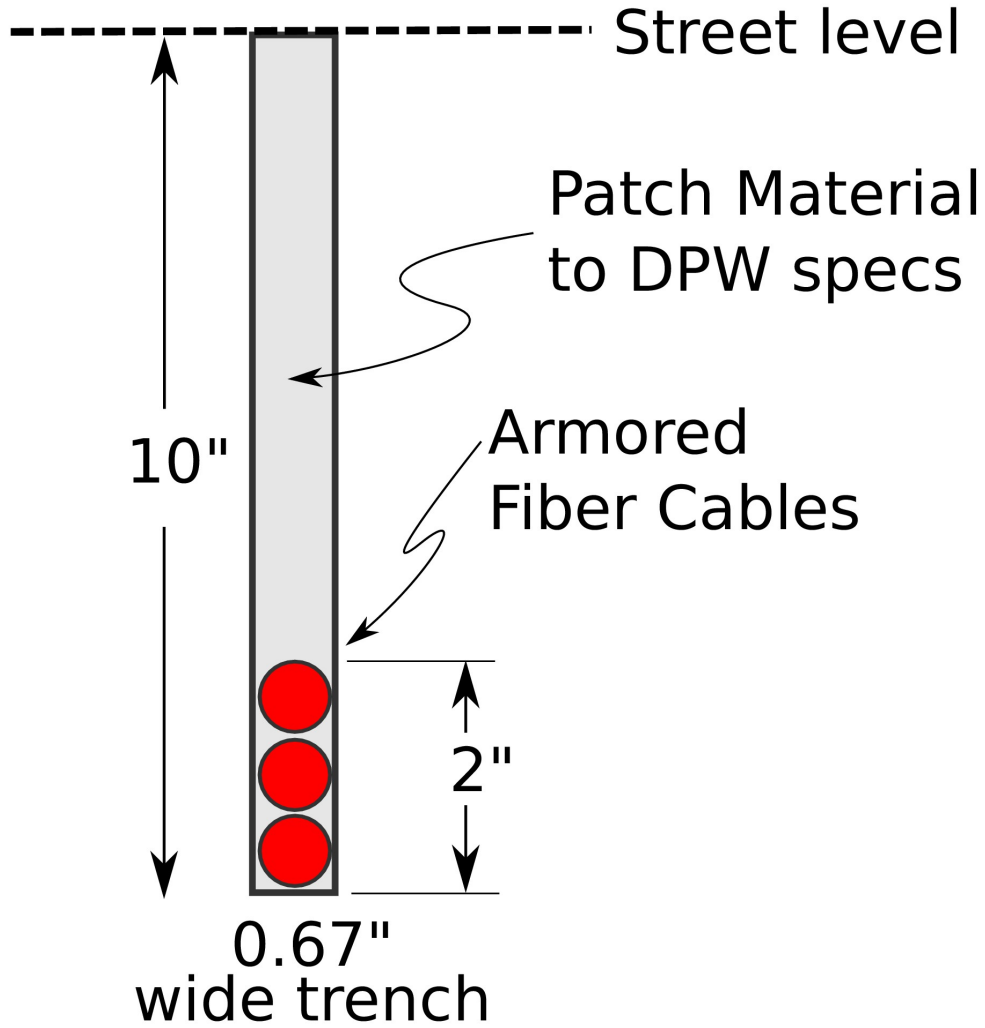
Rudy Rucker
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Microtrench Proposal for DPW



Cut



Install



Patch



photo source: <http://microductos.blogspot.com/>