LinkNYC

Link5G in Commercial, Manufacturing, and Commercial Overlay zoning districts

PDC Final Review

1. Digital Literacy Plans & Content
2. Screen Width
3. Siting Criteria

Digital Literacy Plans & Content

Digital Literacy Events and Programs Teach Essentials Skills

LinkNYC and the Office of Technology and Innovation (OTI) support a number of initiatives intended to teach digital literacy and other technology related community training and development.

Support falls into three main categories:

1. Gigabit Center buildout and ongoing partnership

1. LinkNYC specific information for in person, online, and on-the-street distribution

1. Partnership with local community groups to conduct trainings and provide supporting material

Gigabit Centers - holistic community technology resources

Definition: Gigabit Centers may be any facility that offers technology training or other vital community service to the public, such as a library, computer resource center, computer lab, media arts center or community media center.

- Together, LinkNYC and OTI are establishing **5 Gigabit Centers** (starting with **one in every borough, with potential to expand**) providing publicly accessible free high speed Wi-Fi and educational programming in technology.

    - Bronx - Andrew Freedman Home & Library – Grand opening June 11, 2022
    - Manhattan - Silicon Harlem – Opened February 22, 2022
    - Queens - Allen Senior Center – In Construction – Coming Summer 2022
    - Brooklyn - Digital Gir l/ Major Owens Health & Wellness Center – Coming Summer 2022
    - Staten Island - Final candidate locations under review – TBD; Pending Final Approval 2022

- Each Gigabit Center receives installation of **new, neutral, high capacity fiber optic infrastructure** to provide the high-speed Wi-Fi today and support future connectivity needs.

- Gigabit Centers are selected in partnership with the Borough Presidents' offices and with local community groups.

Silicon Harlem - The First Gigabit Center (Manhattan)

The first Gigabit Center was a collaboration between the City of New York (OTI), LinkNYC, ZenFi Networks, Silicon Harlem and the C-Better Foundation.

The center was supported by former Manhattan Borough President Gale Brewer and current Manhattan Borough President Mark Levine.

Silicon Harlem services include:
- **Training** - Classes in various areas of technology including networking, coding, edge compute, and network support.
- **Public Access for Internet** including after-school access for students
- Access to **mentorship** and urban systems innovation.

Silicon Harlem Gig Center – Opened March 2022 – 2785 Frederick Douglass Blvd, New York, NY

Andrew Freedman Home and Library - The Second Gigabit Center (Bronx)

- The Second Gigabit Center will be located at the historic **Andrew Freedman Home and Library**. The Bronx Borough President's Office, Bronx Community Foundation, Bronx Digital Equity Coalition, DreamYard, OTI, LinkNYC and ZenFi Networks collaborated on the selection of this location.

- The Andrew Freedman Home is a historic building constructed for Andrew Freedman that has been renovated into an artists' hub consisting of **an interdisciplinary artist residency, an incubator space, workforce development and community services**.

- The Gigabit Center **will highlight the digital literacy programs** that will be launched in conjunction with the Knowledge House - www.theknowledgehouse.org.

Andrew Freedman Home Gigabit Center – Grand Opening June 2022 – 1125 Grand Concourse, Bronx, NY

AFineLyne

Online Safety Education

In furtherance of our corporate social responsibility commitments, through partnerships with organizations like The Knowledge House, Digital Girl and Common Sense Education, we will provide a number of educational resources on our website, on Link tablets and at Gigabit Centers to promote online safety education. As our privacy policy indicates, LinkNYC does not track what users do on the internet when they connect to Link Wi-Fi or use Link tablets. LinkNYC also does not sell personal information or share it with third parties for their own use, including our advertising partners.

The Knowledge House: 3-part course tailored to youth, parents and seniors. Curriculum includes:
- Lesson 1: Operating your Laptop, Introduction to Microsoft Office, Gmail and Google Drive
- Lesson 2: Internet Safety Guidelines, protecting passwords, setting parental controls, SafeGuard browsing, and CyberSecurity
- Lesson 3: Using social media & Internet for research and educational purposes , social media etiquette and safe social media tips

Digital Girl: interactive "Digital Me" course for all ages. Curriculum includes:
- Overview of Social Media and Impact on Image/ Personal Brand
- Privacy and Internet Safety Tips
- How to Report Cyber Crimes, including how to report online exploitation of children using CyberTipline.org

LinkNYC will also widely share **Common Sense Education's** Resource Guide for Parents on Online Safety and Privacy while Distance Learning on LinkNYC website, Gigabit Centers and through Community Partners

LinkNYC digital screens and Gigabit centers will promote online safety education with messaging and events on notable days including: **Data Privacy Day** (January 28), **Safer Internet Day** (February 8), **World Password Day** (May 6), **Internet Safety Month** (June), **National Online Learning Day** (September 15) and **Cybersecurity Awareness Month** (October)

Sample Digital Literacy Program Content With Knowledge House

Digital Literacy Workshops open to the community to help close the digital divide

Workshops include:

- **Digital Literacy:** an intro to the basics of Windows or Mac computing, navigating the Internet, and managing files.
- **Exploring Careers in Tech:** learning more about the various pathways and entry-level opportunities in tech.
- **Build your own Program:** Participants will go through a short coding activity to expose them to the nature of programming.

THE KNOWLEDGE HOUSE

Kn🔆wledge Pays

Free Tech Training for Youth & Adults in New York

APPLY NOW! DEADLINE MAY 31, 2022

WWW.THEKNOWLEDGEHOUSE.ORG/APPLY

The Knowledge House - Sample Curriculum Digital Literacy Program - Youth Audience

Session 1

INTRO: Hardware setup, icebreakers, overview of program and goals for the day
LESSON: Operating your laptop
- Types of computer devices (wireless vs. desktops)
- Managing multiple devices using the cloud
- Understanding hardware vs. software
- Navigating your laptop
  - operating systems,
  - desktop management,
  - applications (MSW),
  - printing,
  - and other features
- Connecting to the Internet via Wireless (mifi) and Ethernet (modem)

LESSON 2: Intro to Microsoft Office and Google Drive
- Creating a professional Gmail account with a secure password that's easy to remember
- Exploring Google Drive Apps and comparing to Microsoft Office
- Type into Google Docs and learn features and functions
- Download as Microsoft Word file and PDF
- Learn Microsoft Word Features

CLOSING CHALLENGE:
- Typing Speed Contest

Session 2

INTRO: Introductions, program overview and goals for the day
ACTIVITY: Learning to type
- Review keyboarding basics
- Independent practice

HOOK: List as many social networking sites as you can.
LESSON: Internet Safety Guidelines Cheat Sheet and Tech Vocab Trivia
- Password protection
- Password managers
- Phishing
- Avoiding online scams
- Email safety
- SafeGuard browsing
- Safe social networking tips
- Location Based Services
- Cybersecurity

EXERCISE: Internet Scavenger Hunt
- Google yourself (tricks to yield specific results)
- Learning keywords to optimize your search
- Search Engines: Wikipedia, Yahoo Answers, Bing

CLOSING CHALLENGE: Typing Speed Contest

Session 3

INTRO: Introductions and goals for the day
HOOK: How to "hack" Facebook
- What is the web and what is code?

LESSON: Using social media for research and educational purposes
- Social media etiquette and professional presence
- #hashtags for searching and tagging
- Facebook pages
- Sharing on Facebook
- RTs

EXERCISE: Code an Instagram post
- Learn JavaScript
  - VidCode exercise to learn code
- (if there's time) Create a meme using a meme generator website and hack it

CLOSING PRESENTATIONS: Typing Speed Test

Sample Digital Literacy Program Content With Digital Girl Inc.

Senior Technology Intergenerational Classes (Age 55+)

- Local Youth connect with Older Adults to teach basic computer and internet skills.
- Help Seniors enhance their way of living in today's tech focused society, including Web terminology, social media etiquette and internet safety.

Curriculum includes:

- Browsing and Searching the Internet
- WiFi vs. Cellular Data
- accessing Wifi
- Creating an email account
- Accessing email via phone
- Connecting to Bluetooth
- Using Phone Assistants (Siri and Google)

- Sending data via email/ apps (pictures, files, text messages
- Downloading Apps
- Shopping online
- ordering takeout food online
- Internet safety
- Banking Activities online
- Using Zoom or Google Meet

Digital Girl, Inc.
A STEM PROGRAM. ENRICHING GIRLS FROM THE ROOT.

TECHNOLOGY 101
SENIOR TECHNOLOGY INTERGENERATIONAL CLASS

DON'T BE OVERWHELMED- LEARN WITH US!

- WHAT EXACTLY IS THE INTERNET?
- THE EVOLUTION OF COMPUTERS
- WHAT MAKES A PHONE "SMART"?
- SOCIAL MEDIA AND ITS BENEFITS
- TECH VOCABULARY
- USING ZOOM OR GOOGLE MEET
- INTERNET SAFETY AND MUCH MORE!

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Digital Girl - Digital Me! Syllabus and sample slides

1. The Internet Defined-How it all started
2. The Emergence of Social Media-What is it Really?
3. Social Media's Impact on Society
4. Social Media's Impact on Image
   - Students will view a video and discuss how using social media improperly can lead to a negative result
   - Students will review and discuss real life examples
5. Privacy
   - Students will watch a video and discuss the concept of digital footprints
6. Internet Safety Tips
7. Reporting Cyber Crimes
8. Recap of Information Technology

What is Social Media?

As technology for the internet progresse[d] the doors for new forms of media to em[erge] Media was born!

Social Media are forms of electronic co[mmunication] through which users create online comm[unities to] share information, ideas, personal mess[ages and] content (i.e., videos, photographs). By u[sing social] media a user is able to create their own [...]

Social Media's Impact on Society

★ Business
★ Politics
★ Social Injustice
★ Relationships
★ Image
   ○ Personal (Body Image)
   ○ Professional/Societal

Brand = Image

Your personal **brand** is how you promo[te...]

It is the unique combination of skills, e[xperience and] personality that you want the world to [...]

It is the telling of your story, and how i[t...] conduct, behavior, spoken and unspok[en...] attitudes.*
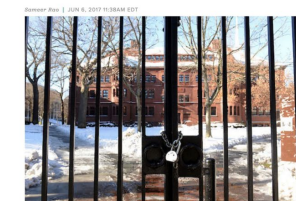
Your branding creates your **image**.

*Source: Influencer Marketing Hub

68% of College Admissions say Social Media is "Fair Game"

Harvard University Revokes 10 Acceptance Offers Over Discriminatory Memes
One prospective freshman reportedly called the hanging of a Mexican child "piñata time."

A gate sits locked on Quincy Street at Harvard University during a bomb scare December 16, 2013 in Cambridge, Mass. Photo: Photo by Darren McCollester/Getty Images

The country's oldest university revoked admission offers for at least ten prospective undergraduate students because they shared discriminatory and vulgar memes in a Facebook group chat for accepted students.

The Freshman Who Lied Her Way In
A private school noticed one of its students – who never asked for materials to be sent to Rochester – posted on social media that she was enrolling there. And then her scheme fell apart.

Freshmen arrived at the University of Rochester on Wednesday. On Thursday, one of them was ordered to leave. It turned out she had successfully (until then) hidden the private school she had really attended from 10th through 12th grades.

Jonathan Burdick, vice provost and dean of admissions at financial aid at Rochester, agreed to discuss the fraud — and its unraveling — on condition that the private school the student attended and other entities involved were not named.

OTI and LinkNYC Identified Dozens of Other Prospective Partners, including:

Bronx
- The Knowledge House
- Per Scholas
- Riverdale Senior Services
- The Bronx Documentary Center

Brooklyn
- BRIC Arts Media Center
- 2020 Vision for Schools
- Opportunities for a Better Tomorrow
- Digital Girl Inc.
- Hispanic Information and Telecommunications Network
- Jewish Community Council of Greater Coney Island

Queens
- Queens Public Library
- Boys and Girls of Metro Queens
- New York Edge inc
- Child Center of NY

Staten Island
- Central Family Life Center Inc.
- United Activities Unlimited Inc
- Illuminart Productions

Manhattan
- Educational Video Center
- Chinese American Planning Council
- Power My Learning Inc.
- Literacy Partner Inc.
- Common Sense Education

Screen Width

Advertising Displays

Link5G displays are the same size, height, and orientation as the existing LinkNYC kiosk
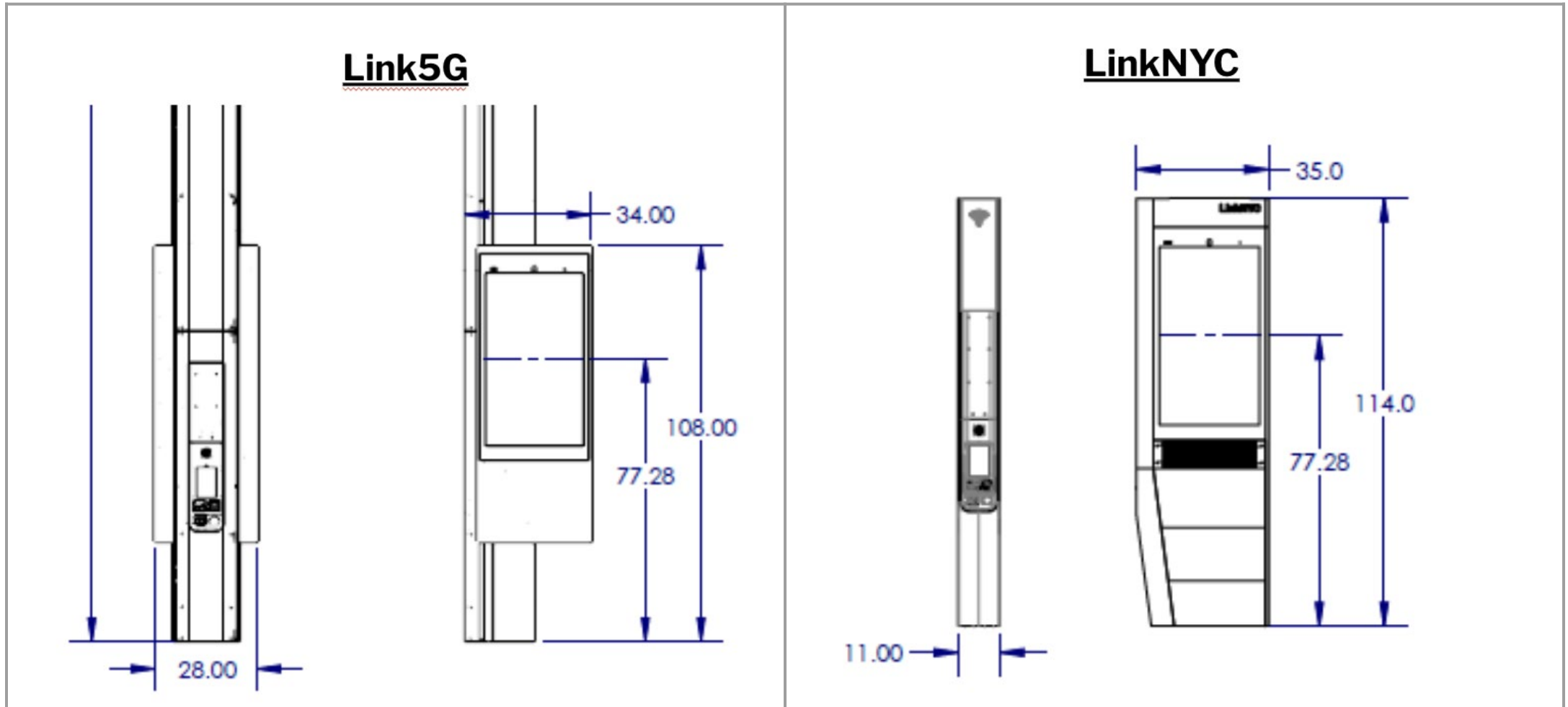
Link5G

Consistent Look and Feel with Existing Links

Link

Link5G

Link5G (with screen)

The size and depth of Link5G Screens

- CityBridge is diligently working with its engineering and design partners to identify possible ways to safely reduce the 28" width of the screen assembly when viewed from the front and back of the structure. We continue to work with our structural engineers to explore all possibilities but it is not clear at this time whether a safe solution exists that will result in a smaller screen housing.

- Key drivers of the housing size are safety-focused:

  - **ADA Compliance** - bottom of Link <u>must</u> be at least 27" above grade
  - **Pedestrian Safety & Support** (i.e. detering climbing upon Links, resist damage from vandalism)
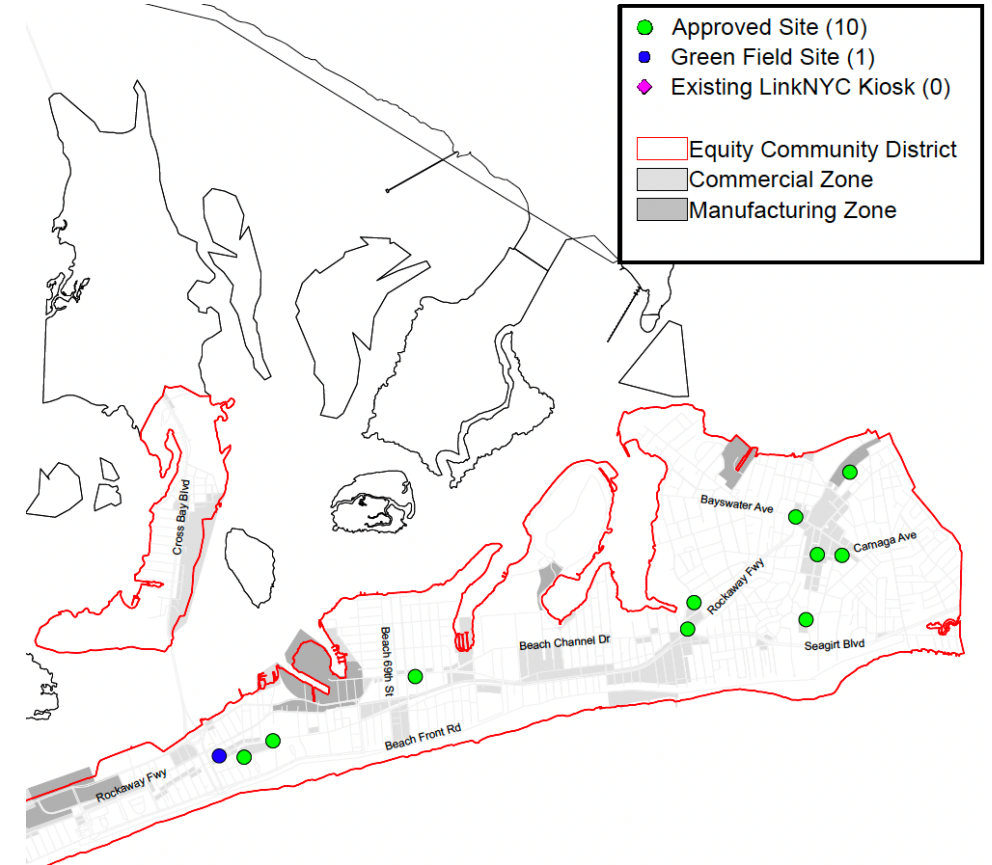 - **Extreme Weather Resistance & Durability**

Siting Criteria

The Site Selection Progress for Link5G is Rigorous, Comprising 3 Levels of Review

Chief Technology Officer Approval: CTO approval is required for **every single Link5G site location.**

Community Oversight: Whenever a new site is planned, the **Borough President & Community Board Districts Representatives** are notified in advance for the opportunity to provide input.

Regulatory Compliance: Every new Link must comply with **hundreds** of City rules, regulations, building and construction codes.   (A sample of just a few of such City rules is on the following slide.)

Legend:
- Approved Site (10)
- Green Field Site (1)
- Existing LinkNYC Kiosk (0)
- Equity Community District
- Commercial Zone
- Manufacturing Zone

Sample Siting Map

Some of the Many City Rules and Regulations Already In Effect

No Link5G may be placed within:

1. 3 feet of a traffic sign;
2. 4 feet of a traffic light;
3. 5 feet of the end of a ramp of an entrance to or an exit from a wheelchair lift;
4. 15 feet of the entrance way of an outdoor or elevated subway entrance, except where the PCS structure is attached to, or is immediately adjacent to, the building and clear pedestrian passage is maintained;
5. 5 feet from a subway station entrance;
6. 15 foot radius of a fire hydrant and, unless otherwise authorized by the Commissioner in writing, within 5 feet of a standpipe and/or sprinkler, siamese connection or wall hydrant;
7. 3 feet from a subway grate, utility hole cover, or transformer vault;
8. 15 feet of a sidewalk cafe;
9. 15 feet of a bus stop zone unless the PCS structure is attached to a bus stop shelter within the zone or is installed at the building line and does not obstruct pedestrian passage on the sidewalk;
10. 15 feet of a newsstand unless the PCS structure is attached to such newsstand or is installed at the building line and does not obstruct pedestrian passage of the sidewalk;
11. 15 feet of a public pay toilet unless the PCS structure is attached to such public pay toilet or is installed at the building line and does not obstruct pedestrian passage on the sidewalk;
12. 5 feet of a bench located at the curbline;
13. 10 feet of a driveway unless the PCS structure is attached to or immediately adjacent to a building immediately adjacent to such driveway;
14. 5 feet of a canopy as defined in § 19-124 of the Code;
15. 4 feet of a mailbox located at the curbline;
16. 4 feet of the base of a street light;
17. 4 feet of a parking meter;
18. 3 feet of a fire box unless otherwise approved in writing by the Commissioner;
19. 3 feet of a news rack located at the curbline unless the PCS structure is attached to the newsrack;
20. 3 feet of a newsbox located at the curbline;
21. 8 feet of a tree;
22. 3 feet of a grating if the public pay telephone is installed at the building line and does not cover the grating or in any way impede the opening of the grating;
23. 3 feet of a signpole;
24. 3 feet of the edge of a tree pit or planter located at the curbline.
25. 4 feet from a "Pedestal Structure," (herein defined as any telecommunications utility box, cabinet, or enclosure and related construction, such as foundations, that is located, in whole or in part, above grade and within the public right-of-way of a public street and/or sidewalk, except when such structure is attached to a utility pole or other legal street furniture installation);
26. 8 feet from a bicycle rack; and
27. 4 feet of any sidewalk encumbrance not specifically enumerated herein.
28. No more than one structure shall be installed on each block and, for the avoidance of doubt, on only one side of the street per block.
29. No more than one structure shall be installed closer than 200 feet to an existing Structure

In June 2021, the Franchise Amendment Included New Restrictions Specific to Link5G to Preserve the Streetscape.

- Only 1 Link5G per block on either side of the street.

- Each at least 200 feet apart.

- Clear Corners: No Link5Gs within 10 Feet of a Corner Quadrant or Building Line.

All Accessibility & Public Safety Rules Will Also Continue to Apply to Link5G in All Zones.

ADA Accessibility

Link5G is required to be ADA compliant and must be installed in an ADA compliant manner and location.

Each must leave an 8 foot minimum to closest point on all Handicap Ramps, and at least a 5 foot clearance from every Wheelchair Ramp and Lift.

Public Safety Paramount

Link5Gs may not interfere with crosswalks nor obstruct lines of sight for vehicular traffic.

Link5Gs may not impede egress of Fire Escapes and Exits.

Sidewalk pitch maximum is 5 degrees parallel (3 degrees perpendicular) to curb.

And All Pre-Existing Franchise Siting Rules Still Apply to Link5G

Open Streets

No Link5Gs directly opposite a building entrance.

After installation, sidewalks must be promptly restored or replaced.

At least 8' (or half of the sidewalk, whichever is greater) must be left clear for pedestrians.

Respect for the Arts and Communities

No Link5Gs:
   In front of houses of worship, or produce Greencarts.

PDC approval required for new Link5G sites within 75' of an art installation.

Protected Zone Rules Apply

Parks Department Rules

All installations near street trees or other areas under Parks Department jurisdiction must adhere to Parks' rules to ensure protection of trees and other greenscape.

Street Tree Proximity

Link5G will not be installed beneath the tree canopy and may not be less than 3' from the edge of a tree pit, whether a tree is currently planted there or not.