

HOUSTON TOWER COMMISSION

832-393-6624

To download the full agenda package visit:

https://www.houstontx.gov/planning/Commissions/commission_tower.html

Members

Rob Todd, Chair
John R. Melcher
Kerrick Henny
Yulanda Campbell
Linda Smith
Asim Tufail
Bobby De La Rosa

Secretary

Margaret Wallace-Brown

Agenda

Monday, July 24, 2023
3:30 p.m.

In-Person Meeting Location: Council Chamber, City Hall Annex

Join Microsoft Teams Meeting or via web at: <https://rb.gy/cnygc>

Meeting ID: 239 184 880 008
Passcode: WZUzjK

Phone: [+1 936-755-1521, 758927571#](tel:+19367551521758927571)
Conference ID: 758 927 571#

Submit Written Comments to:
planning.tower@houstontx.gov

Make comments by phone to:

SPEAKERS GUIDELINES

WELCOME to a meeting of the City's Planning and Development Department. Your input is valued. Board members act according to established standards; see rules or policies for details. Staff is available to help orient you on meeting procedures. For the City's I SPEAK language line, including traducción en español, call 832-393-3000

The public is encouraged to take an active interest in matters that come before the **Tower Commission**. Anyone wishing to speak before the Commission may do so. The Commission has adopted the following procedural rules on public participation for virtual meetings:

1. Anyone wishing to speak before the Commission should sign up to speak via phone **832-393-6624** or email **planning.tower@houston.tx.gov**, 24 hours in advance preferred.
2. Please note what item you wish to speak on, or if it is for general public comments.
3. You may also sign up to speak in the chat feature of Microsoft Teams, and either ask to speak, or write your comments there, which will be read into the record by staff.
4. All comments submitted in writing or by phone will be read into the record by staff.
5. If participating virtually, keep your phone or computer on "MUTE" unless identified by the Chair to speak. When your name is called, unmute your phone by pressing your mute button or *6, or unmute your computer. State your name, spell your last name, and make your comments. When you are done, please mute yourself.
6. If the speaker wishes to discuss any subject not otherwise on the agenda, time will be allocated or allotted after all agenda items have been processed and "public comments" are taken.
7. Applicants will be allowed to speak first and are allowed **five** minutes for an opening presentation. The applicant is also permitted a two-minute rebuttal after all speakers have been heard. If there are no speakers other than the applicant, there is no rebuttal period.
8. All other speakers will be permitted two minutes to address the Commission.
9. No speaker is permitted to accumulate speaking time from another person.
10. Time devoted to answering any questions from the Commission is not charged against allotted speaking time. The Commission may extend any speaker's speaking time if it is the Commission's judgment that additional time is needed to sufficiently discuss an item.
11. The Commission reserves the right to limit speakers if it is the Commission's judgment that an issue has been sufficiently discussed and additional speakers are repetitive.
12. The Commission reserves the right to stop speakers who are unruly or abusive.

NOTE: The Tower Commission may only act to approve or disapprove the placement of a tower under Chapter 28, Article XVI, City of Houston Code of Ordinances.

HOUSTON TOWER COMMISSION

AGENDA

Monday, July 24, 2023 3:30 p.m.

The Houston Tower Commission will conduct this meeting both in-person and virtual via Microsoft Teams. The Commission will have the option of participating by videoconference using Microsoft Teams in accordance with the provision of Section 551.127 of the Texas Government Code that have not been suspended by order of the Governor. This platform will allow for two-way video/audio communication with the members of the Houston Tower Commission who choose to attend virtually.

To join this Commission meeting, please see the following options:

- Attend in person at City Hall Annex, Council Chamber, City Hall Annex
- Join via Web Browser <https://rb.gy/cnygc>; or
- Join via Phone: [+1 936-755-1521](tel:+19367551521), Conference ID: 758 927 571#

Please visit https://www.houstontx.gov/planning/Commissions/commiss_tower.html to download the full agenda package.

Call to Order

Secretary's Report

- I. Consideration of the April 27, 2020 and March 27, 2023, Tower Commission Meeting Minutes
- II. Public hearing and consideration of waiver requests:
 - A. 23-T-0758 10017 2/3 N. Rosslyn Road**
28-524(b)&(c) Allow construction of a tower in a residential area
 - B. 23-T-0758 1820 2/3 W. 43rd Street**
28-524(b)&(c)(g) Allow construction of a tower in a residential area & fallzone.
- III. Public Comment
- IV. Ethics training
- IIV. Adjournment

Minutes of the Houston Tower Commission

(A recording of the full proceedings is on file in the Planning and Development Department)

April 27, 2020

Telephonic/Videoconference Meeting held via Microsoft Teams <https://bit.ly/2XW3xFd>
3:30 p.m.

CALL TO ORDER

Chair Rob Todd called the meeting to order at 3:30 p.m., with a roll call vote and a quorum present.

Rob Todd, Chair
Teresa Lynn Flores
Kerrick Henny
John R. Melcher
Christy B. Smidt
Linda Smith
Asim Tufail

Left at 4:22 p.m. during public comments

SECRETARY'S REPORT

The Secretary's Report was given by Hector Rodriguez, Planner Manager, Planning and Development Department.

Chair's Report

The Chair's Report was given by Rob Todd, Chair of the Houston Tower Commission.

I. APPROVAL OF THE FEBRUARY 24, 2020 TOWER COMMISSION MEETING MINUTES

Motion was made by Commissioner Melcher, seconded by Commissioner Henny, to defer the February 24, 2020 Tower Commission meeting minutes. Motion carried unanimously with a roll call vote of Commissioners Flores, Smidt, Henny, Tufail, Melcher and Smith voting in favor.

II. PUBLIC HEARING AND CONSIDERATION OF WAIVER REQUEST

A. 19-T-0741 3206 2/3 Webster Street

Motion was made by Commissioner Melcher, seconded by Commission Henny, to approve the waiver request of section 28-524(g): Fall zone, of the Code of Ordinances of the City of Houston, Texas for item II-A. Motion carried with a roll call vote with Commissioners Flores, Henny, Melcher and Smidt voting in favor and Commissioners Smith and Tufail voting against.

Speaker(s): Jared Ladet, applicant – supportive; Lori Cral - opposed.

III. PUBLIC COMMENT

Commissioner Todd spoke about revisiting the Tower ordinance.

IV. ADJOURNMENT

There being no further business before the Commission, Chairman Rob Todd adjourned the meeting at 4:22 p.m. Motion was made by Commissioner Tufail and seconded by Commissioner Flores. Motion carried unanimously.

Rob Todd
Chair

Hector Rodriguez
Secretary

Minutes of the Houston Tower Commission

(A recording of the full proceedings is on file in the Planning and Development Department)

March 27, 2023

Meeting held in Council Chambers, Public Level, City Hall Annex,
with telephonic/video conference via Microsoft Teams
<https://rb.gy/b0xgpt> or 936-755-1521, Conference ID: 248 982 341#
3:30 p.m.

CALL TO ORDER

Chair Rob Todd called the meeting to order at 3:42 p.m., with a roll call vote and a quorum present.

Rob Todd, Chair	Present
Yulanda Campbell	Present
Bobby De La Rosa	Absent
Kerrick Henny	Absent
John R. Melcher	Absent
Linda Smith	Absent
Asim Tufail	Present

Executive Secretary

Hector Rodriguez, Division Manager, Planning and Development Department – Present

CHAIR'S REPORT NONE

DIRECTOR'S REPORT

Hector Rodriguez, Division Manager, Planning and Development Department, gave a report.

I. CONSIDERATION OF THE APRIL 27, 2020 AND AUGUST 29, 2022 TOWER COMMISSION MEETING MINUTES

Motion was made by Commissioner Tufail, seconded by Campbell, to approve the April 27, 2020 and August 29, 2022 Tower Commission meeting minutes. Motion carried unanimously.

II. PUBLIC HEARING AND CONSIDERATION OF WAIVER REQUESTS

A.23-T-0753 1315 Soren Lane

Motion was made by Commissioner Tufail, seconded by Campbell, to approve the waiver request for fall zone, and residential proximity per staff report. Motion carried unanimously.

Speaker: Gregory Ferris - applicant agent

B. 23-T-0754 6830 Barney Rd

Motion was made by Commissioner Tufail, seconded by Campbell, to approve the waiver request for fall zone, and residential proximity per staff report. Motion carried unanimously.

Speaker: Gregory Ferris - applicant agent

C. 23-T-0755 8109 Creekbend Dr

Motion was made by Commissioner Tufail, seconded by Campbell, to approve the waiver request for fall zone, and residential proximity per staff report. Motion carried unanimously.

Speaker: Gregory Ferris - applicant agent

D. 23-T-0756 1450 Gulf Bank Rd

Motion was made by Commissioner Tufail, seconded by Campbell, to approve the waiver request for fall zone, and residential proximity per staff report. Motion carried unanimously.

Speaker: Gregory Ferris - applicant agent

III. PUBLIC COMMENT

Kim Mickelson spoke regarding upcoming training for the Commission.

ADJOURNMENT

There being no further business before the Commission, Chairman Rob Todd adjourned the meeting at 4:23 p.m. Motion was made by Commissioner Tufail and seconded by Commissioner Campbell. Motion carried unanimously.

Rob Todd

Chair

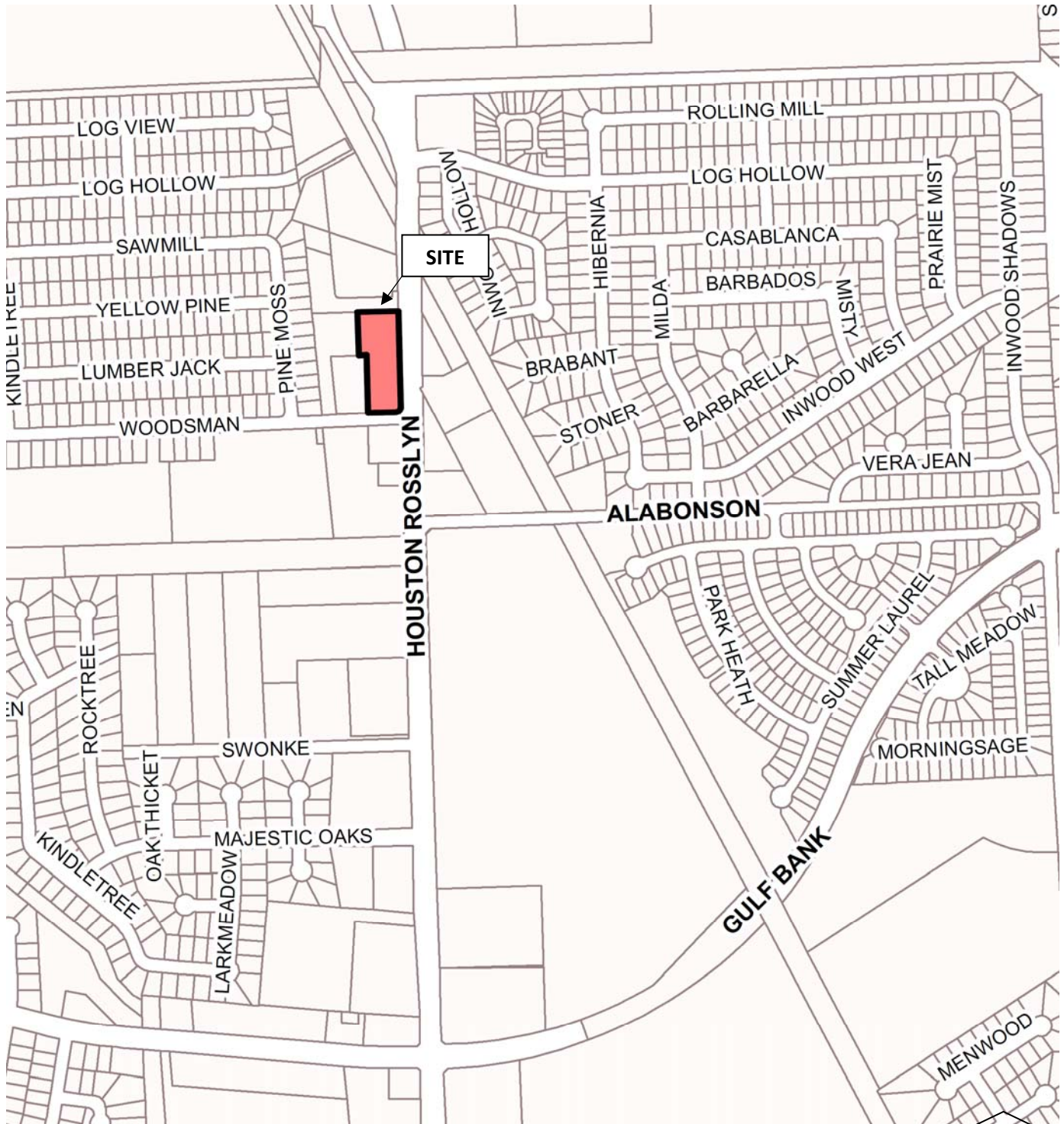
Hector Rodriguez

Secretary

Houston Tower Commission ITEM: II-A

Planning and Development Department

Meeting Date: 07/24/2023



Exhibit

Site location



Houston Tower Commission ITEM: II-A

Planning and Development Department

Meeting Date: 07/24/2023



Exhibit

Aerial



Houston Tower Commission ITEM: II-A

Planning and Development Department

Meeting Date: 07/24/2023

PARCEL NUMBER:

043170000200

GREEN ROAD HOLDING II LLC
FILM CODE: 2020465194

POB (AS-SURVEYED)
50' X 50' LEASE AREA
2,500.0 SQ. FT.±
0.06 ACRES±

POB (AS-SURVEYED)
30' INGRESS/EGRESS
& UTILITY EASEMENT
4,054.2 SQ. FT.
0.10 ACRES±

CENTER
OF
TOWER

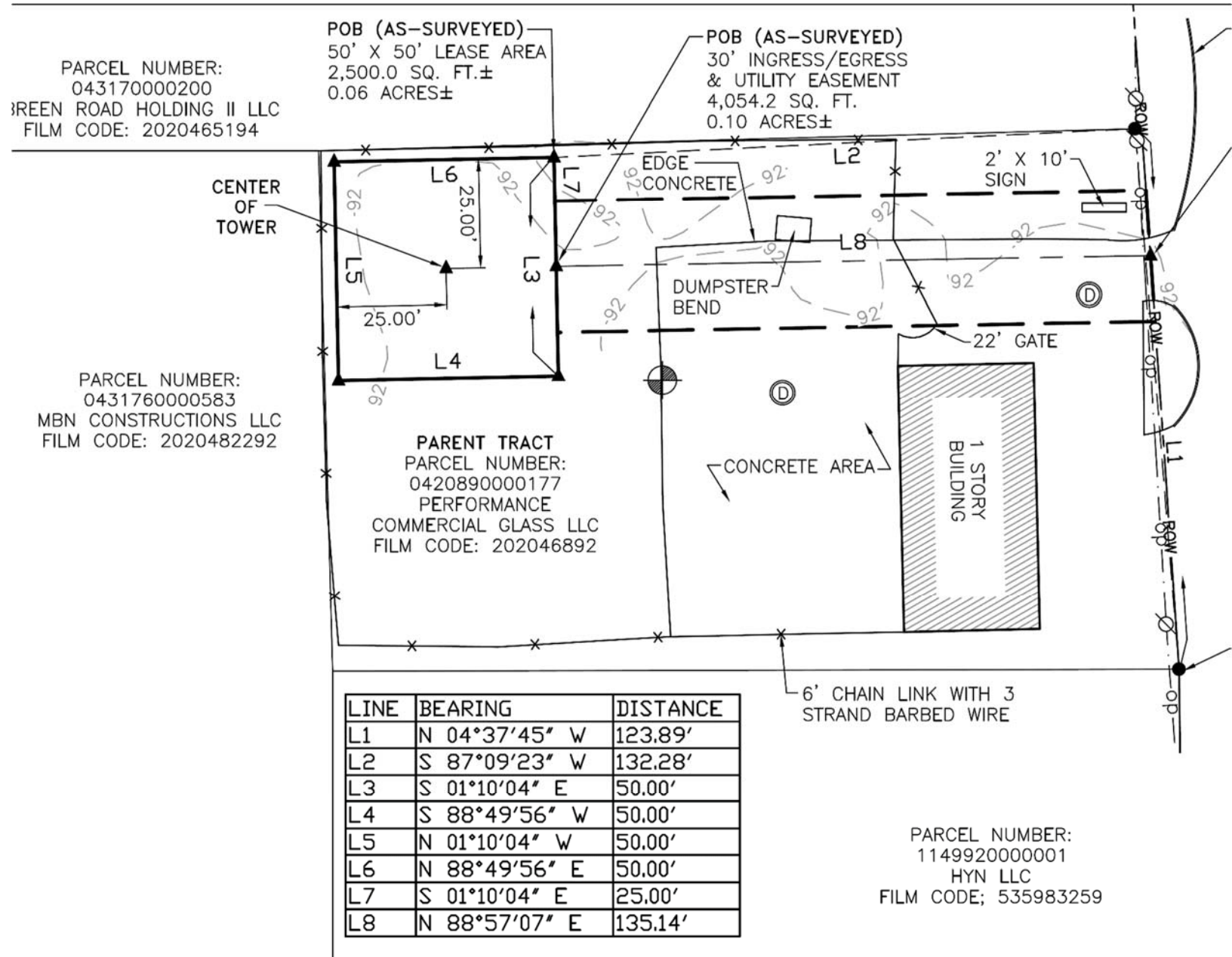
PARCEL NUMBER:
0431760000583
MBN CONSTRUCTIONS LLC
FILM CODE: 2020482292

PARENT TRACT
PARCEL NUMBER:
0420890000177
PERFORMANCE
COMMERCIAL GLASS LLC
FILM CODE: 202046892

LINE	BEARING	DISTANCE
L1	N 04°37'45" W	123.89'
L2	S 87°09'23" W	132.28'
L3	S 01°10'04" E	50.00'
L4	S 88°49'56" W	50.00'
L5	N 01°10'04" W	50.00'
L6	N 88°49'56" E	50.00'
L7	S 01°10'04" E	25.00'
L8	N 88°57'07" E	135.14'

6' CHAIN LINK WITH 3
STRAND BARBED WIRE

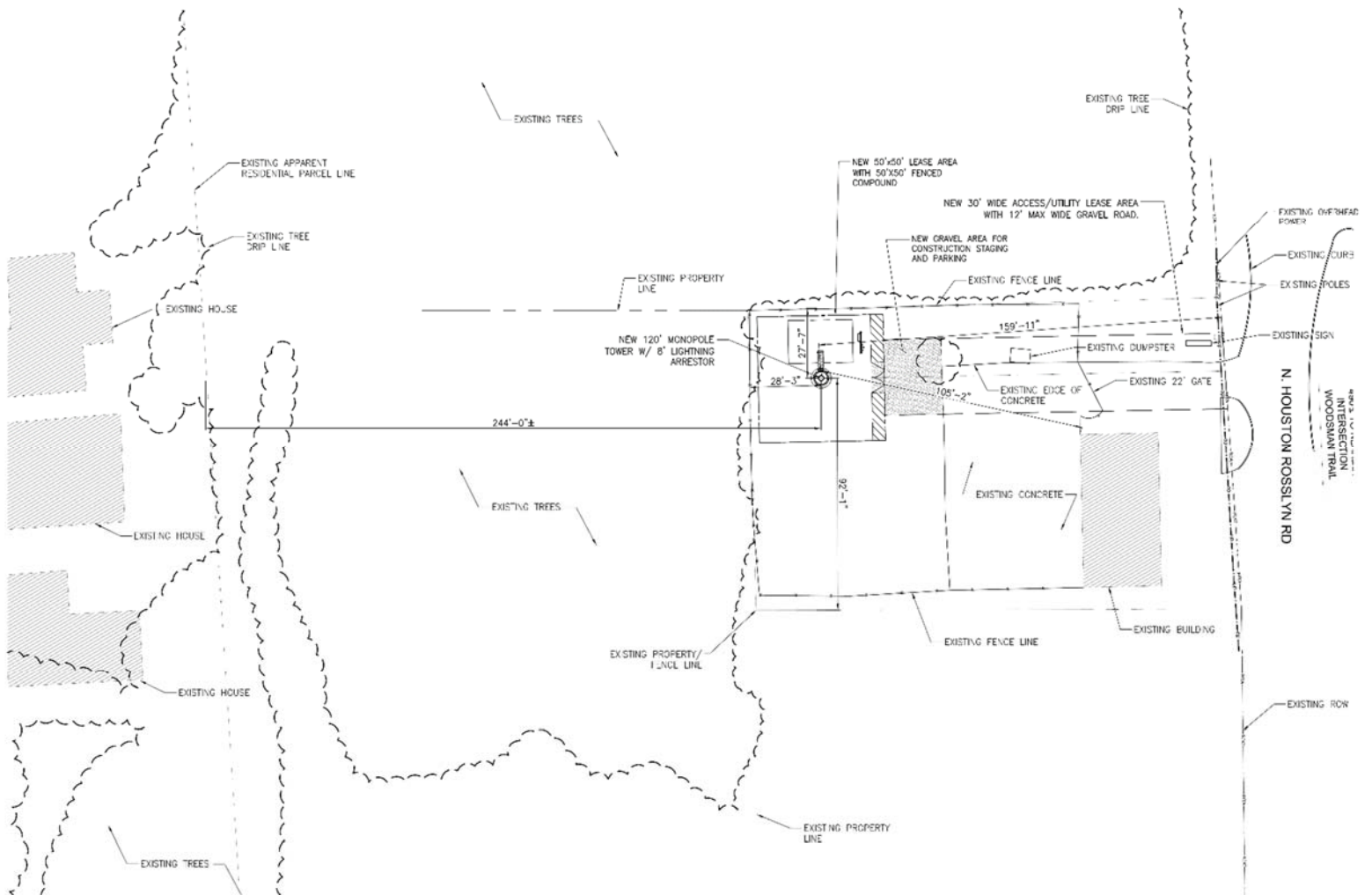
PARCEL NUMBER:
1149920000001
HYN LLC
FILM CODE; 535983259



Houston Tower Commission ITEM: II-A

Planning and Development Department

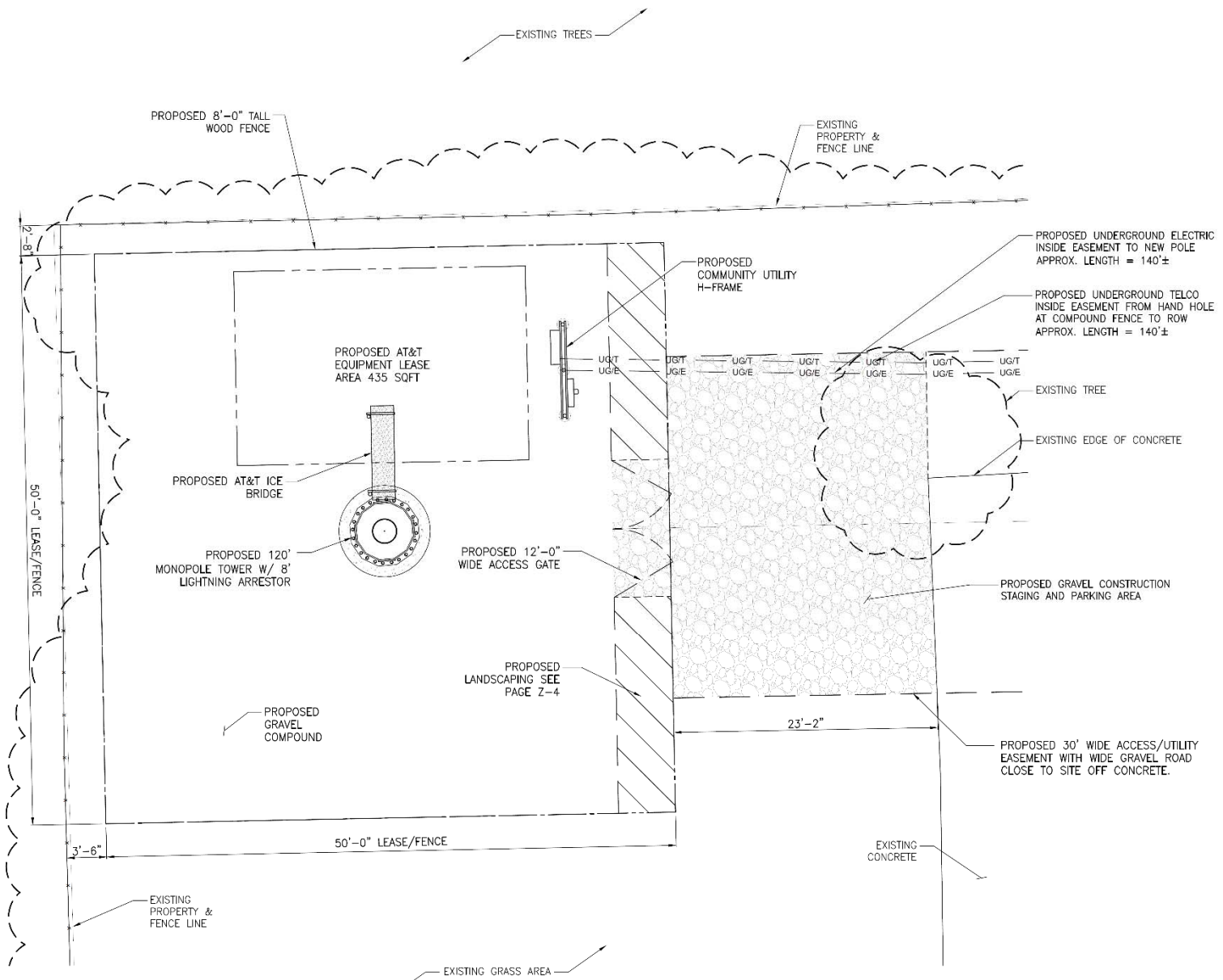
Meeting Date: 07/24/2023



Houston Tower Commission ITEM: II-A

Planning and Development Department

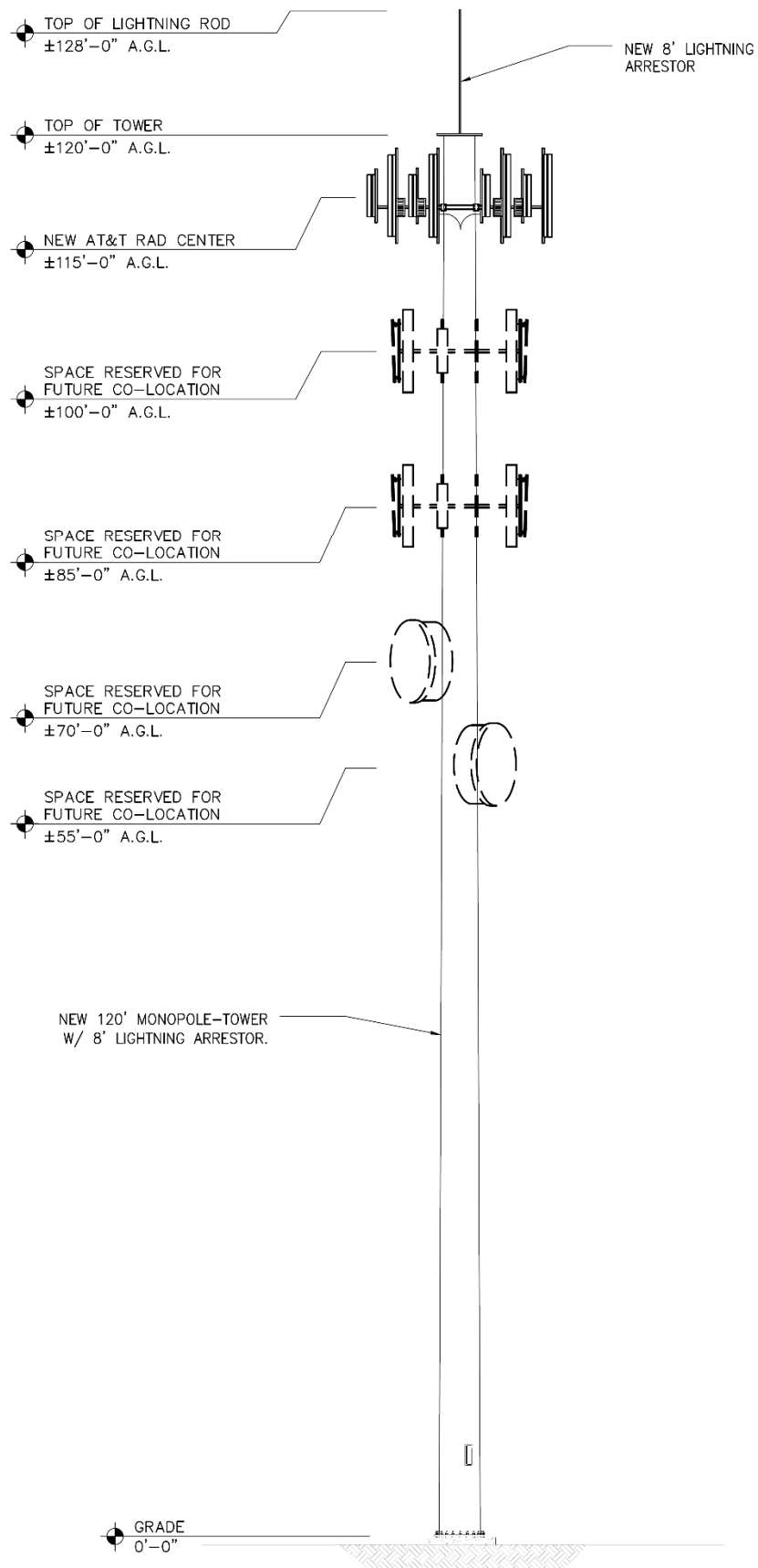
Meeting Date: 07/24/2023



Houston Tower Commission ITEM: II-A

Planning and Development Department

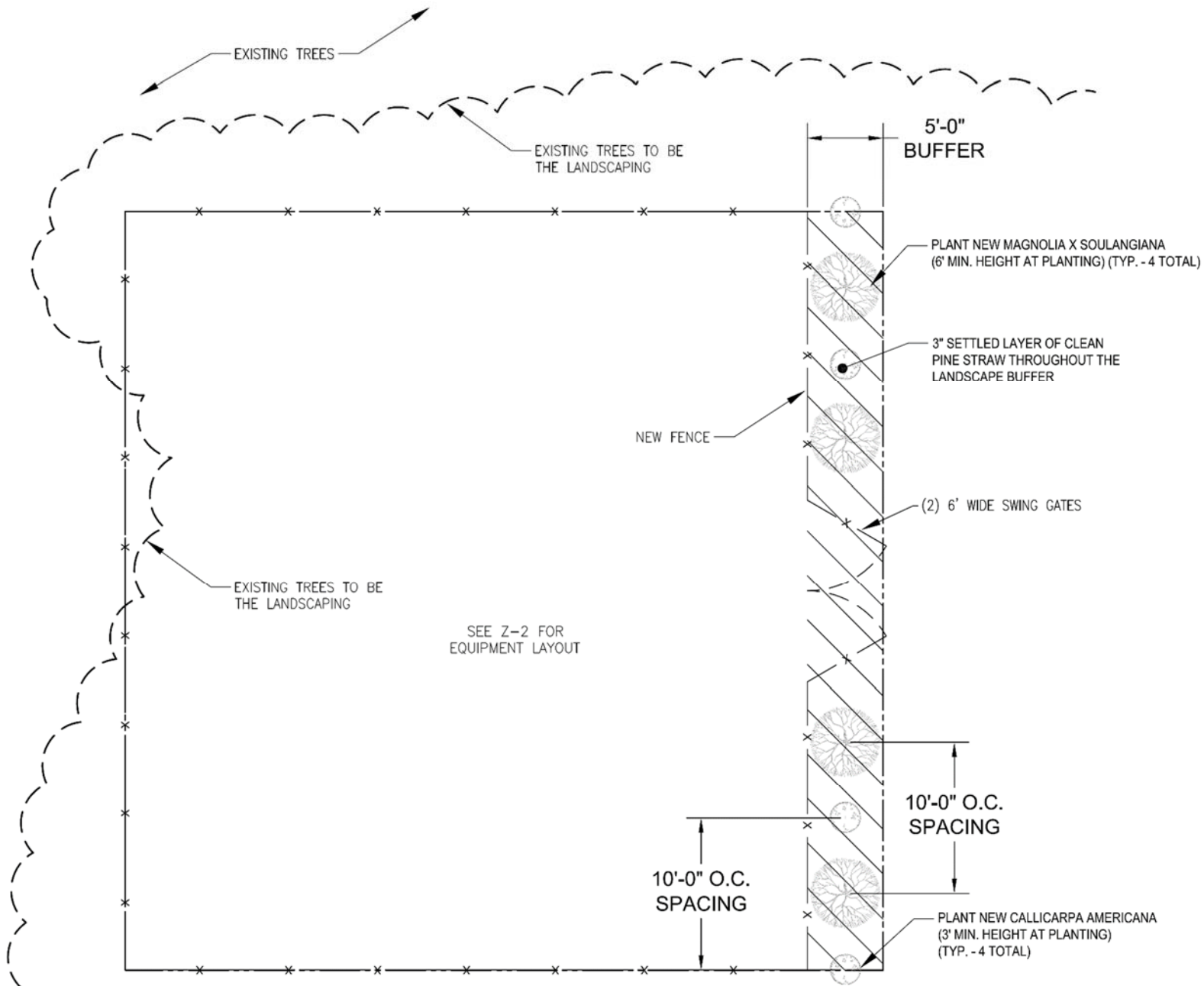
Meeting Date: 07/24/2023



Houston Tower Commission ITEM: II-A

Planning and Development Department

Meeting Date: 07/24/2023





Houston, Texas, Tower Commission Request for a Waiver: Chapter 28, Article XVI Section 28-524(b)

Applicant:	SCI Wireless and Tillman Infrastructure 497 Ridge Point Drive Heath, TX 75126	Tenant: AT&T Wireless 308 S. Akard St., 19th Floor Dallas, TX 75202
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Contact: Greg Ferris, SCI Wireless
PO Box 573
Wichita, KS 67201
Ph. 316-516-0808, Email: ferrisco@aol.com

Location: 10017 North Rosslyn Road, Houston, TX 77018 PIN# 0420890000177

Project Description

Tillman Infrastructure ("Tillman") on behalf of AT&T Wireless is requesting a Waiver from the Houston Tower Commission per Chapter 28, Article XVI Section 28-532 of the Houston Code. Tillman Infrastructure, on behalf of AT&T Wireless, proposes to construct a 120-foot monopole with an 8-foot lightning rod on the property at 10017 North Rosslyn Road. This request is to waive Chapter 28, Article XVI Section 28-524(b) of the Houston Code. This Code Section does not allow a Tower Permit for a new tower in a "residential area". The Houston Code defines "residential area" as: "Residential area means the area around a proposed tower site that, within the residential test area, contains fifty percent or more tracts wholly or partially therein that are subject to residential restrictions or are in use for residential purposes." A waiver is required because in the residential test area more than 50% of the tracts are residential.

Section 28-532 (d), states that the Tower Commission is authorized to consider and grant a waiver from the provisions of this article when if all of five conditions exist. This narrative describes how this application meets the required five conditions.

1. A literal application of this article will result in undue and unnecessary hardship to the applicant, taking into account any federal or state licenses the applicant may have received to conduct its business because...;

Applicant's comment: AT&T has determined that they need a communication tower in this area. AT&T is a federally licensed wireless provider. This license allows AT&T to provide coverage to the Houston area. There is no existing tower within 1000 feet of the proposed tower. Because of the location the tower needs to be to service the commercial and residential properties, there are few places that would not be in a "residential area." Without a tower in this location AT&T will not be able to provide the level of service their customers need. This would place undue and unnecessary hardship on AT&T.

10017 North Rosslyn Road, Houston, TX 77018

2. The waiver, if granted, will not be contrary to the public interest as implemented in this article because...;

Applicant's comment: The public interest is served when there is adequate cell and internet service. This tower will provide coverage of cell phone service as well as 5G high speed internet to the businesses and homes in the area. The waiver is required because of the number of residential properties in the residential test area. However, towers are needed in close proximity to residential areas to serve the needs of those residents. The dependence on wireless communications makes it imperative that towers be close enough to serve those customers needing service. While the test area does not meet the 50% threshold, the area around the parcel is all non-residential. Houston has granted waivers to this provision in the past.

3. Consistent with the city's police power authority over towers, the waiver, if granted, will not be detrimental to the public health, safety, or welfare because...;

Applicant's comment: This tower will be equipped with AT&T's FirstNet, the national first responders' emergency network, equipment. This equipment allows dedicated frequencies and services to first responders to allow them to coordinate efforts in the event of emergencies such as fires, police emergencies, or weather emergencies. This greatly enhances the public safety and welfare by insuring that first responders are not bogged down with communication issues. Communication is one of the most important tools to combat emergencies and this tower will add to that tool. Strong wireless service is also paramount in the day-to-day welfare of citizens. The tower will be E911 capable, allowing public safety personal to determine the location of callers in emergency situations. Since 60% of households no longer have landline, wireless calls are the public's option to reach emergency personal. Towers have been constructed in areas like this in Houston and other cities. They have had no detrimental impact on public health, safety, or welfare. The parcel on which the tower will be located is not adjacent to any residential zoning.

4. The waiver, if granted, will not result in a violation of any other applicable ordinance, regulation or statute enforceable by the city because;

Applicant's comment: This application does not violate any ordinance, regulation, or statute of the City. The Tower Regulations allow for waivers if certain conditions are not met. There is nothing else, except the need for waivers, in this application that is contrary to the Codes of Houston.

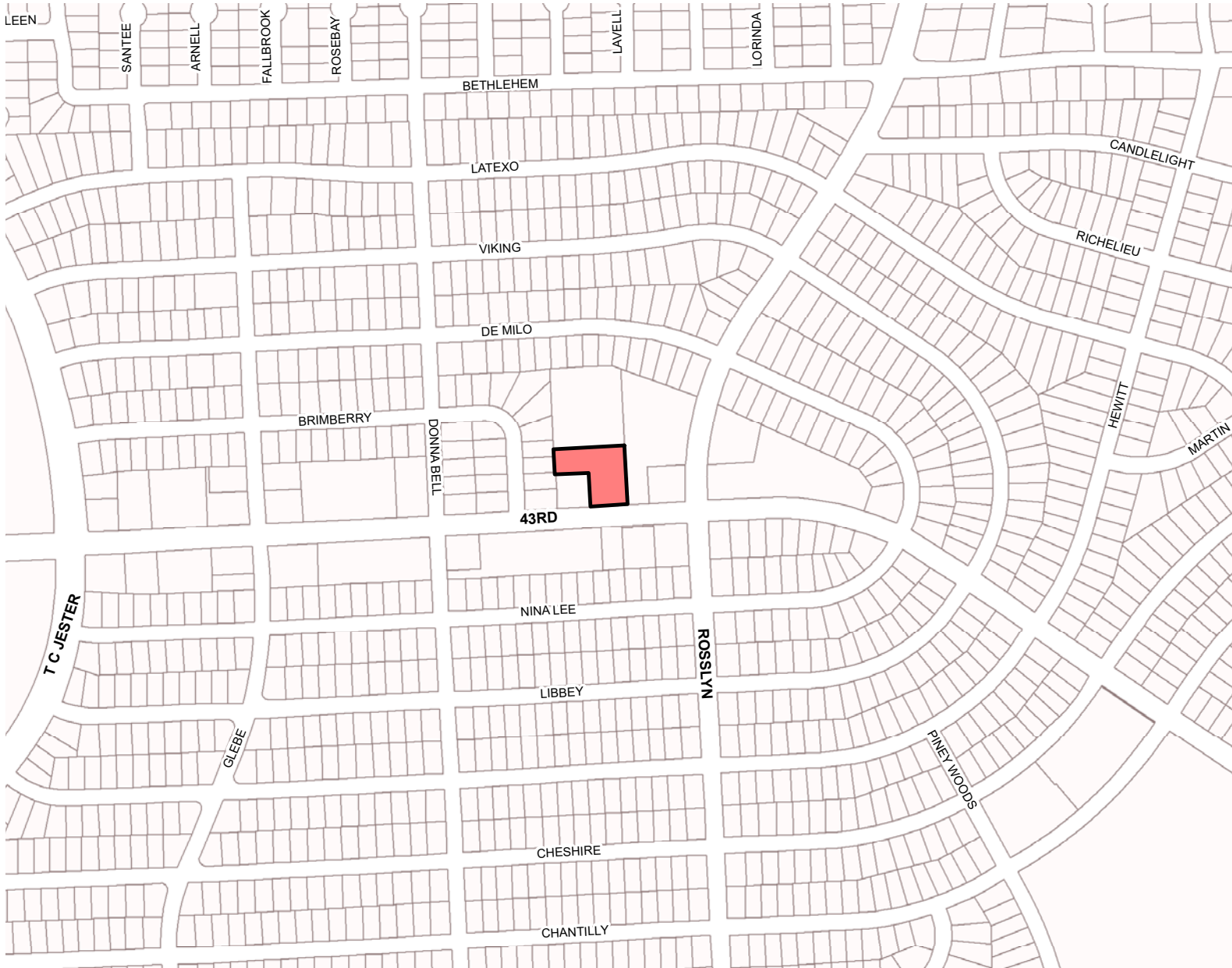
5. The waiver, if granted, will not result in the violation of any applicable deed restriction or zoning regulation or the location of a tower in a park because....

Applicant's comment: The title is attached to this application. There is also a signed notarized affidavit stating that there is no deed or zoning restriction on the property. The tower is located on private property and not in a park.

Houston Tower Commission ITEM: II-B

Planning and Development Department

Meeting Date: 07/24/2023



Exhibit

Site location



NORTH

Houston Tower Commission ITEM: II-B

Planning and Development Department

Meeting Date: 07/24/2023



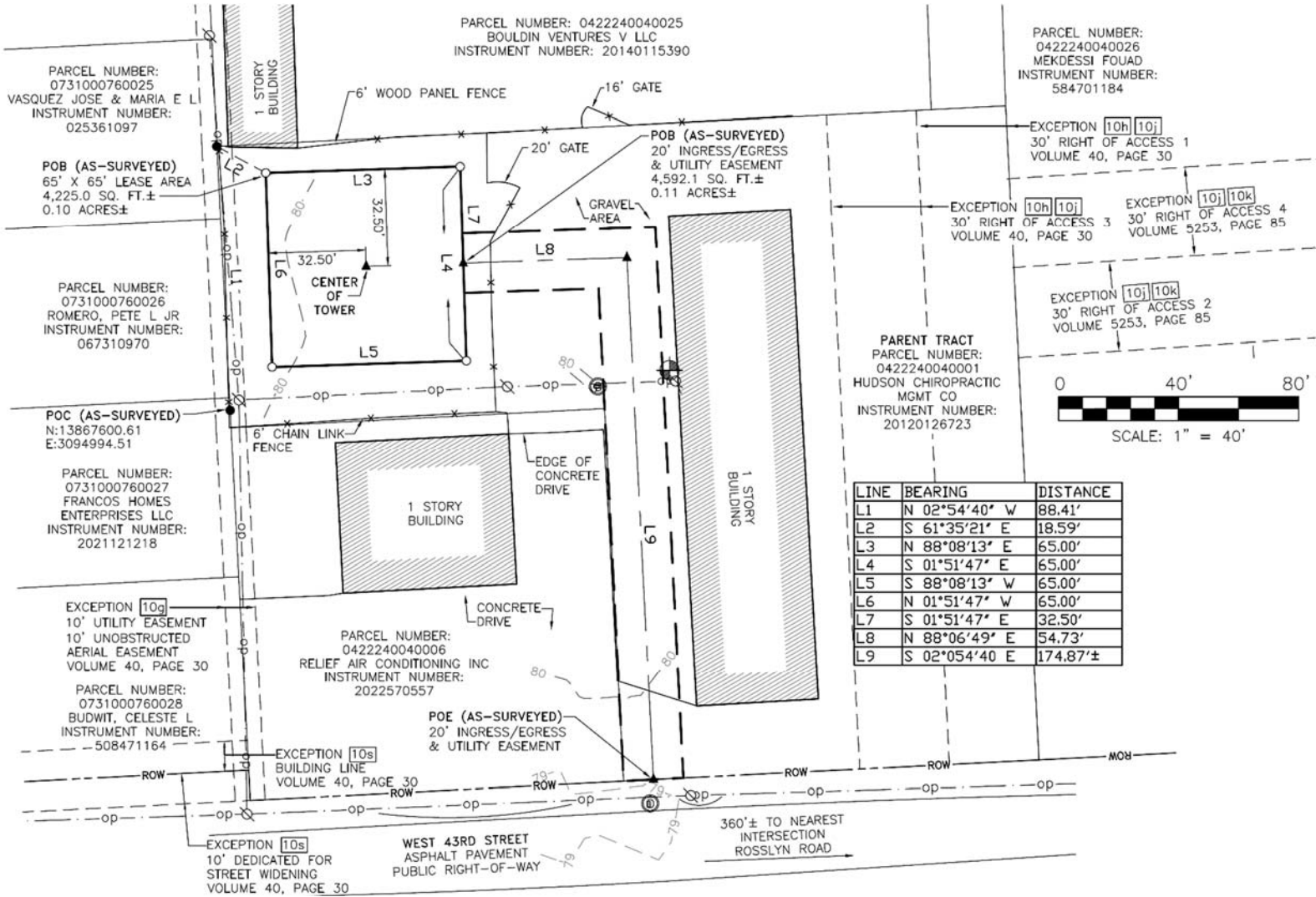
Exhibit

Site location



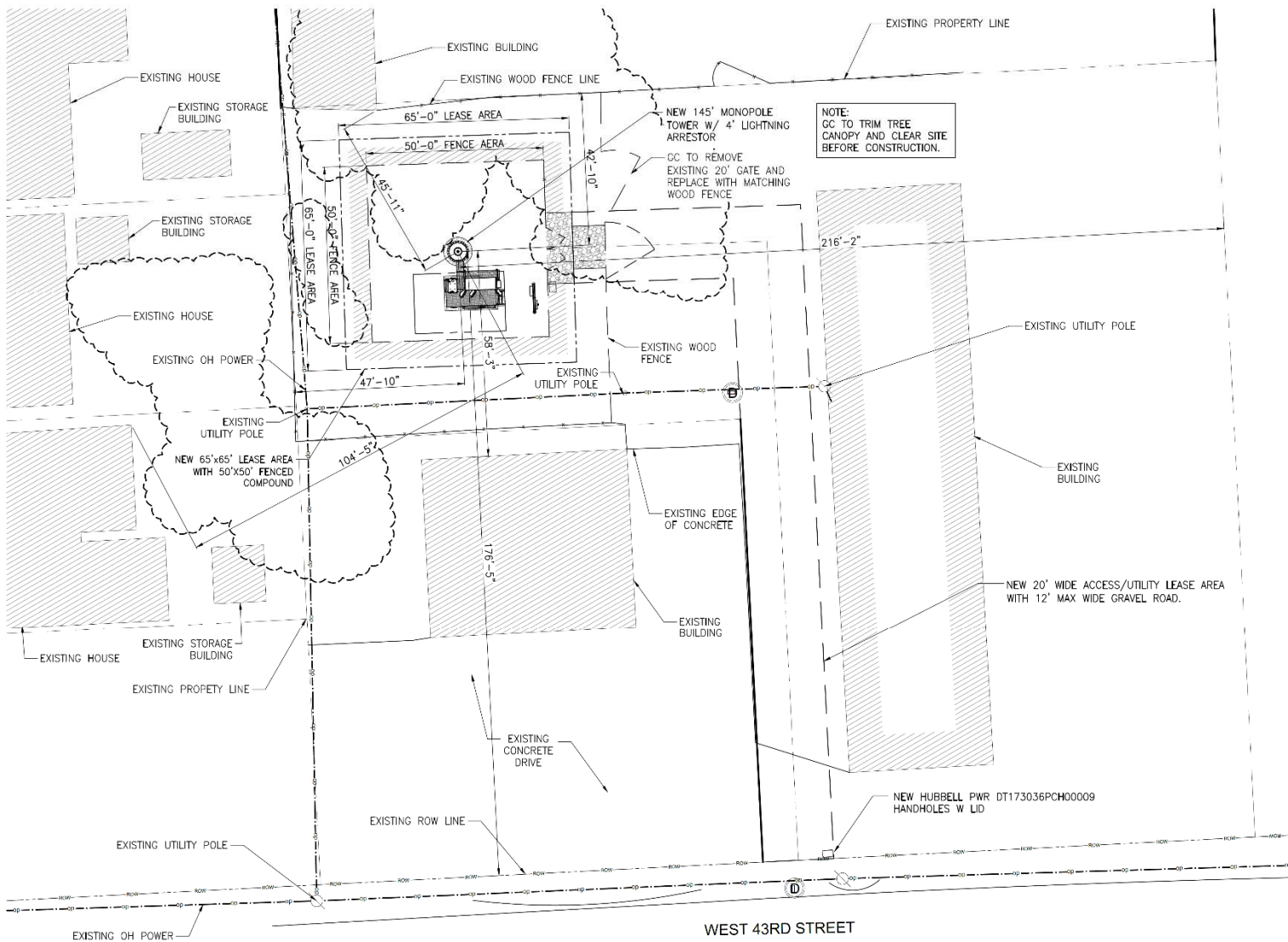
Houston Tower Commission ITEM: II-B

Planning and Development Department Meeting Date: 07/24/2023



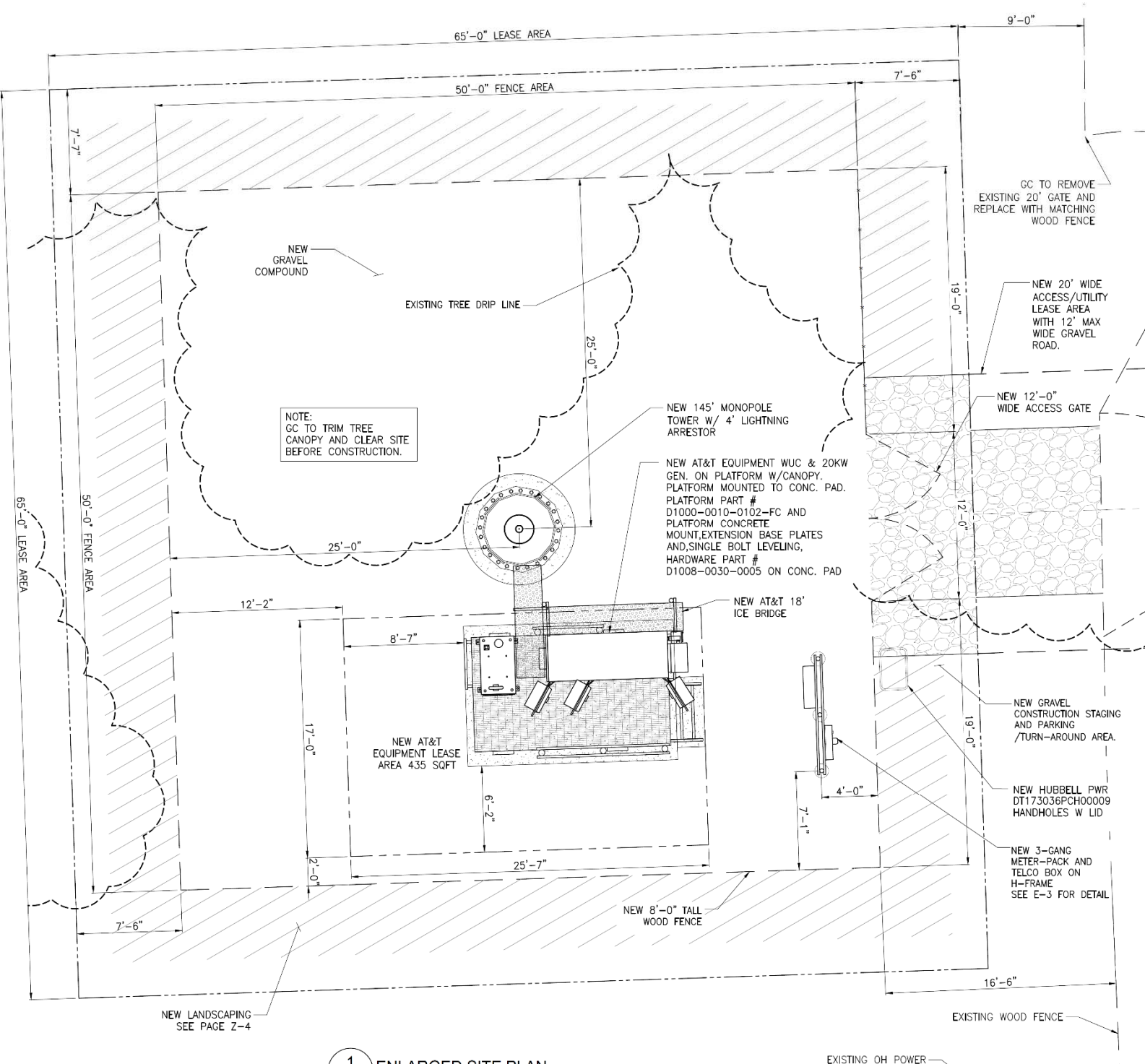
Houston Tower Commission ITEM: II-B

Planning and Development Department Meeting Date: 07/24/2023



Houston Tower Commission ITEM: II-B

Planning and Development Department Meeting Date: 07/24/2023

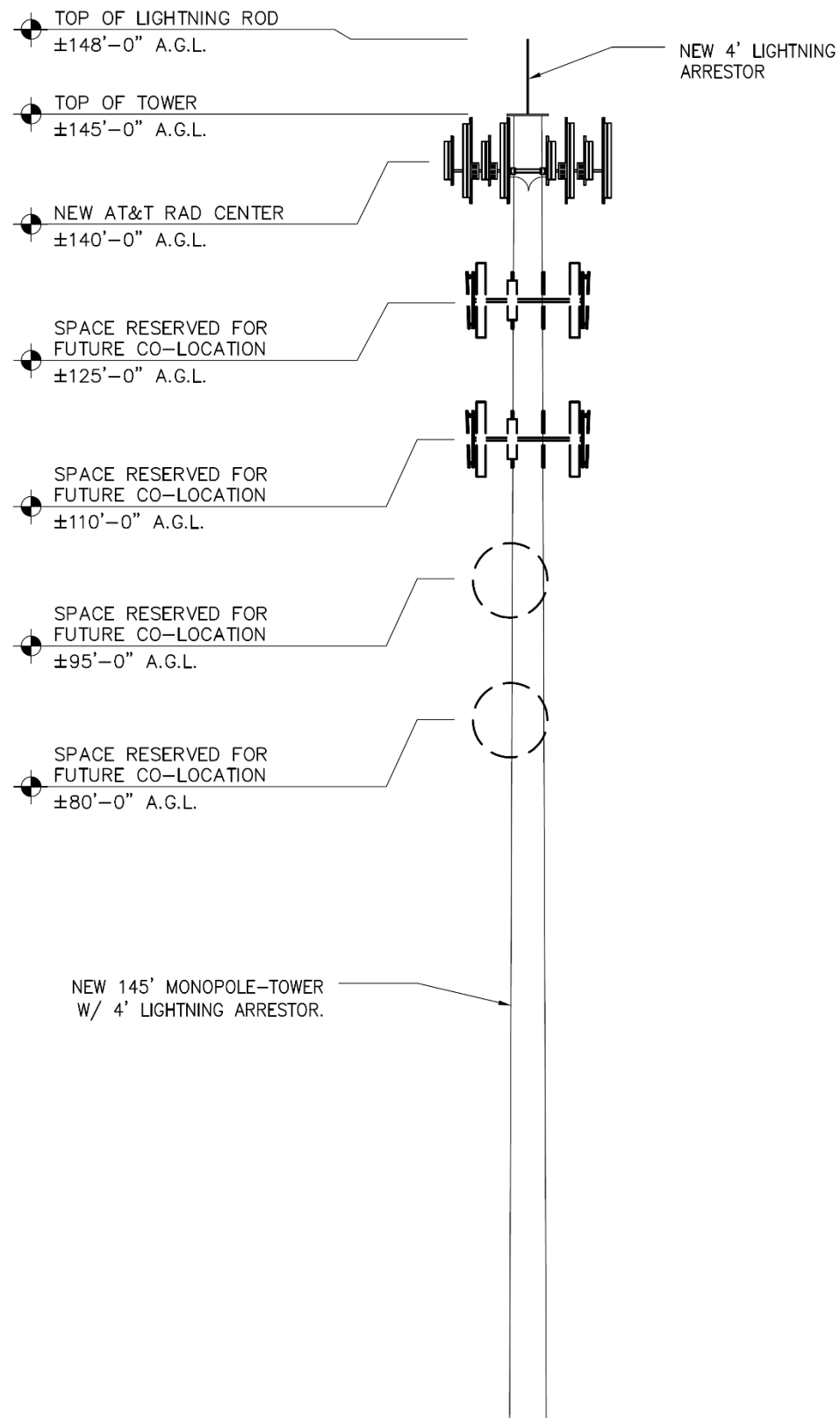


Houston Tower Commission

ITEM: II-B

Planning and Development Department

Meeting Date: 07/24/2023





Houston, Texas, Tower Commission Request for a Waiver: Chapter 28, Article XVI Section 28-524(b)

Applicant:	SCI Wireless and Tillman Infrastructure	Tenant: AT&T Wireless
	497 Ridge Point Drive	308 S. Akard St., 19th Floor
	Heath, TX 75126	Dallas, TX 75202

Contact: Greg Ferris, SCI Wireless
PO Box 573
Wichita, KS 67201
Ph. 316-516-0808, Email: ferrisco@aol.com

Location: 1820 W. 43rd St., Houston, TX 77018 PIN# 04222400400001

Project Description

Tillman Infrastructure ("Tillman") on behalf of AT&T Wireless is requesting a Waiver from the Houston Tower Commission per Chapter 28, Article XVI Section 28-532 of the Houston Code. Tillman Infrastructure, on behalf of AT&T Wireless, proposes to construct a 145-foot monopole with a 4-foot lightning rod on the property at 1820 W. 43rd. This request is to waive Chapter 28, Article XVI Section 28-524(b) of the Houston Code. This Code Section does not allow a Tower Permit for a new tower in a "residential area". The Houston Code defines "residential area" as: "Residential area means the area around a proposed tower site that, within the residential test area, contains fifty percent or more tracts wholly or partially therein that are subject to residential restrictions or are in use for residential purposes." A waiver is required because in the residential test area more than 50% of the tracts are residential.

Section 28-532 (d), states that the Tower Commission is authorized to consider and grant a waiver from the provisions of this article when if all of five conditions exist. This narrative describes how this application meets the required five conditions.

1. A literal application of this article will result in undue and unnecessary hardship to the applicant, taking into account any federal or state licenses the applicant may have received to conduct its business because...;

Applicant's comment: AT&T has determined that they need a communication tower in this area. AT&T is a federally licensed wireless provider. This license allows AT&T to provide coverage to the Houston area. There is no existing tower within 1000 feet of the proposed tower. AT&T tried to lease other property that would have been outside of any residential area. They could not find any willing landlord to lease them space. Without a tower in this location AT&T will not be able to provide the level of service their customers need. This would place undue and unnecessary hardship on AT&T.

2. The waiver, if granted, will not be contrary to the public interest as implemented in this article because...;

Applicant's comment: The public interest is served when there is adequate cell and internet service. This tower will provide coverage of cell phone service as well as 5G high speed internet to the businesses and homes in the area. The waiver is required because of the number of residential properties in the residential test area. However, towers are needed in close proximity to residential areas to serve the needs of those residents. The dependence on wireless communications makes it imperative that towers be close enough to serve those customers needing service. Houston has granted waivers to this provision in the past.

3. Consistent with the city's police power authority over towers, the waiver, if granted, will not be detrimental to the public health, safety, or welfare because...;

Applicant's comment: This tower will be equipped with AT&T's FirstNet, the national first responders' emergency network, equipment. This equipment allows dedicated frequencies and services to first responders to allow them to coordinate efforts in the event of emergencies such as fires, police emergencies, or weather emergencies. This greatly enhances the public safety and welfare by insuring that first responders are not bogged down with communication issues. Communication is one of the most important tools to combat emergencies and this tower will add to that tool. Strong wireless service is also paramount in the day-to-day welfare of citizens. The tower will be E911 capable, allowing public safety personal to determine the location of callers in emergency situations. Since 60% of households no longer have landline, wireless calls are the public's option to reach emergency personal. Towers have been constructed in areas like this in Houston and other cities. They have had no detrimental impact on public health, safety, or welfare. The fall zone letter attached to this application demonstrates that there is no safety issue from the proposed tower.

4. The waiver, if granted, will not result in a violation of any other applicable ordinance, regulation or statute enforceable by the city because;

Applicant's comment: This application does not violate any ordinance, regulation, or statute of the City. The Tower Regulations allow for waivers if certain conditions are not met. There is nothing else, except the need for waivers, in this application that is contrary to the Codes of Houston.

5. The waiver, if granted, will not result in the violation of any applicable deed restriction or zoning regulation or the location of a tower in a park because....

Applicant's comment: The title is attached to this application. There is also a signed notarized affidavit stating that there is no deed or zoning restriction on the property. The tower is located on private property and not in a park.



Houston, Texas, Tower Commission Request for a Waiver: Chapter 28, Article XVI Section 28-524(c), and (g)

Applicant: SCI Wireless and Tillman Infrastructure Tenant: AT&T Wireless
497 Ridge Point Drive 308 S. Akard St., 19th Floor
Heath, TX 75126 Dallas, TX 75202

Contact: Greg Ferris, SCI Wireless
PO Box 573
Wichita, KS 67201
Ph. 316-516-0808, Email: ferrisco@aol.com

Location: 1820 W. 43rd St., Houston, TX 77018 PIN# 04222400400001

Project Description

Tillman Infrastructure ("Tillman") on behalf of AT&T Wireless is requesting a Waiver from the Houston Tower Commission per Chapter 28, Article XVI Section 28-532 of the Houston Code. Tillman Infrastructure, on behalf of AT&T Wireless, proposes to construct a 145-foot monopole with a 4-foot lightning rod on the property at 1820 W. 43rd. This request is to waive Chapter 28, Article XVI Section 28-524(c), and (g) of the Houston Code. This Code Section does not allow a Tower Permit for a new tower if the tower is within 150% of its height from a residential property or structure. While it appears that the request is for two waivers, (c) and (g) are basically the same. Article XVI Section 28-524(c), points to the calculations that are required as set out in (g). A waiver is required because in the proposed tower is 149 feet tall. That would require a setback from the residential structure to the north of 223.5 feet. The residential structure, as shown on the certified drawings included with the application, is 104 feet 5 inches and 47 feet 10 inches to the property line. Included with this application is a certified letter from an engineer stating that the tower would fall within 47 feet in the unlikely event of its failure.

Section 28-532 (d), states that the Tower Commission is authorized to consider and grant a waiver from the provisions of this article when if all of five conditions exist. This narrative describes how this application meets the required five conditions.

1. A literal application of this article will result in undue and unnecessary hardship to the applicant, taking into account any federal or state licenses the applicant may have received to conduct its business because...;

Applicant's comment: AT&T has determined that they need a communication tower in this area. AT&T is a federally licensed wireless provider. This license allows AT&T to provide coverage to the Houston area. There is no existing tower within 1000 feet of the proposed tower. There are no parcels in this immediate area that could meet the setbacks that had a willing landlord. Without a tower in this location AT&T will not be

able to provide the level of service their customers need. This would place undue and unnecessary hardship on AT&T.

2. The waiver, if granted, will not be contrary to the public interest as implemented in this article because...;

Applicant's comment: The public interest is served when there is adequate cell and internet service. This tower will provide coverage of cell phone service as well as 5G high speed internet to the businesses and homes in the area. The waiver is required because the tower does not meet the setback requirement. Towers are needed in close proximity to residential areas to serve the needs of those residents. The dependence on wireless communications makes it imperative that towers be close enough to serve those customers needing service. The certified letter stating the tower would fall within the tower parcel eliminates any safety issues.

3. Consistent with the city's police power authority over towers, the waiver, if granted, will not be detrimental to the public health, safety, or welfare because...;

Applicant's comment: This tower will be equipped with AT&T's FirstNet, the national first responders' emergency network, equipment. This equipment allows dedicated frequencies and services to first responders to allow them to coordinate efforts in the event of emergencies such as fires, police emergencies, or weather emergencies. This greatly enhances the public safety and welfare by insuring that first responders are not bogged down with communication issues. Communication is one of the most important tools to combat emergencies and this tower will add to that tool. Strong wireless service is also paramount in the day-to-day welfare of citizens. The tower will be E911 capable, allowing public safety personal to determine the location of callers in emergency situations. Since 60% of households no longer have landline, wireless calls are the public's option to reach emergency personal. Towers have been constructed in areas like this in Houston and other cities. They have had no detrimental impact on public health, safety, or welfare. The distance the tower is from the residential structure is far enough so as not to be a safety issue.

4. The waiver, if granted, will not result in a violation of any other applicable ordinance, regulation or statute enforceable by the city because;

Applicant's comment: This application does not violate any ordinance, regulation, or statute of the City. The Tower Regulations allow for waivers if certain conditions are not met. There is nothing else, except the need for waivers, in this application that is contrary to the Codes of Houston.

5. The waiver, if granted, will not result in the violation of any applicable deed restriction or zoning regulation or the location of a tower in a park because....

Applicant's comment: The title is attached to this application. There is also a signed notarized affidavit stating that there is no deed or zoning restriction on the property. The tower is located on private property and not in a park.

February 21, 2023

Ms. Chelsea Reeves
Project Controls Coordinator Sr.
Tillman Infrastructure, LLC.
299 Market St, Suite 350
Saddle Brook, NJ 07663

RE: Proposed 145' Monopole for TI-OPP-23080 Houston, TX

Dear Ms. Reeves,

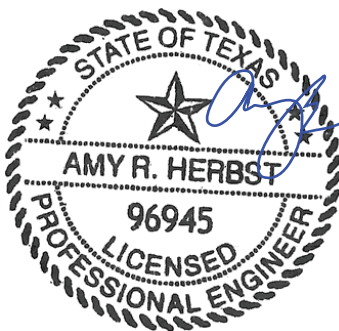
Upon receipt of order, we propose to design and supply the above-referenced monopole for an Ultimate Wind Speed of 139 mph without ice and 30 mph with 1" ice, Risk II, Exposure Category B, and Topographic Category 1, in accordance with the Telecommunications Industry Association Standard ANSI/TIA-222-H, "Structural Standard for Antenna-Supporting Structures and Antennas and Small Wind Turbine Support Structures".

When designed according to this standard, the wind pressures and steel strength capacities include several safety factors. Therefore, it is highly unlikely that the monopole will fail structurally in a wind event where the design wind speed is exceeded within the range of the built-in safety factors.

Should the wind speed increase beyond the capacity of the built-in safety factors, to the point of failure of one or more structural elements, the most likely location of the failure would be within the monopole shaft, above the base plate. Assuming that the wind pressure profile is similar to that used to design the monopole, the monopole will buckle at the location of the highest combined stress ratio within the monopole shaft. This is likely to result in the portion of the monopole above leaning over and remaining in a permanently deformed condition. *Please note that this letter only applies to the above-referenced monopole designed and manufactured by Sabre Industries.* This would effectively result in a fall radius less than or equal to 47 feet.

Sincerely,

Amy R. Herbst, P.E.
Senior Design Engineer



[Handwritten signature]
2/21/23

Sabre Communications Corporation
Texas Registration Number F-4365