

TOWN
Of
PARADISE VALLEY



STAFF REPORT

TO: Chair and Planning Commissioners

FROM: Lisa Collins, Community Development Director
Paul Michaud, Planning Manager
George Burton, Senior Planner

DATE: February 2, 2020

AGENDA TITLE:

CP-21-02. Small Wireless Facility located at 5391 N Scottsdale Rd (AT&T Site I.D. PHX01-010A)

RECOMMENDATION:

It is recommended that the Planning Commission approve the Small Wireless Facility subject to the following stipulations:

1. All improvements for the small wireless facility shall be in substantial compliance with the project narrative and plans:
 - a. The Project Submittal Narrative, AT&T Small Cell Wireless Facility Proposal: PHX01-010-A, prepared by Smartlink LLC and dated October 24, 2019;
 - b. Pole-top Node drawings, Sheets 1 – 5, prepared by Charles Industries, Ltd., and dated July 28, 1999;
 - c. Sheet S-1. Project Number STD. 4" Tapered Skirt, prepared by Charles Industries Ltd.;
 - d. Ring Type Metered Commercial Pedestal detail, Catalog Number CP3B11115A22, and prepared by Milbank;
 - e. AT&T Site ID: Cran-Ranm PHX01-010-A plans:
 - i. Title Sheet, Sheet T-1, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
 - ii. General Information, Sheet T-2, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
 - iii. Emergency Shut Down Procedure, Sheet T-3, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
 - iv. Sheet LS-1, prepared by Smartlink and Ambit Consulting, and dated December 18, 2019.
 - v. Sight Line Diagram, Sheet A-0, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.



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- vi. Overall Site Plan, Sheet A-1, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- vii. Overall Site Plan, Sheet A-1.1, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- viii. Enlarged Site Plan, Sheet A-2, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- ix. Elevations, Sheet A-3, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- x. Details, Sheet D-1, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- xi. Details, Sheet D-2, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- xii. Electrical Panel Schedule and One-Line Diagram, Sheet E-1, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- xiii. Site Power Plan, Sheet E-2, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- xiv. Site Power Plan, Sheet E-2.1, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- xv. Grounding Details, Sheet G-1, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- xvi. Grounding Details, Sheet G-2, prepared by Smartlink and State 48 Development Consulting, and dated November 19, 2020.
- xvii. GSN & Elevations, Sheet S1, prepared by CEM-TEC and Caliber Engineering Solutions, and dated May 17, 2020.
- xviii. Pole Details, Sheet S2, prepared by CEM-TEC and Caliber Engineering Solutions, and dated May 17, 2020.
- xix. Lighting Mast Details, Sheet S3, prepared by CEM-TEC and Caliber Engineering Solutions, and dated May 17, 2020.
- xx. AT&T PHX01-010, N Scottsdale Rd & E Chaparral Rd, APS Plan, prepared by Ryman-TRC, WO# WA444969, and dated August 3, 2018.
- xxi. Sheet SV-1, prepared by Smartlink and Ambit Consulting, and dated June 12, 2020.
- xxii. Sheet SV-2, prepared by Smartlink and Ambit Consulting, and dated June 12, 2020.
- f. Photometric Studies, Sheet SL-1, prepared by Smartlink and D.H. Lighting Solutions, and dated June 25, 2020;
- g. Luminaire Details, Luminaire Types A + A2, GE Evolve LED Roadway Lighting, Sheets/Pages 3, 6, 7, and 11;
- h. Photocontrol Detail, Ripley Lighting Controls, Long Life II Photocontrol, Sheet/Page 8;



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- i. Photo Simulations, PHX01-010-A, 5401 N. Scottsdale Rd, prepared by State 48 Development Consulting and Simulations CJB, pages 1 – 3;
- j. Electromagnetic Energy (EME) FCC Compliance Report, pages 1 – 23, prepared by Environmental Assessment Specialists, Inc, Street Address 5401 N. Scottsdale Rd, Site ID PHX01-010, and dated December 3, 2019;
- k. AT&T Mobility CRAN/Small Cell Radio Frequency (RF) Safety Compliance Certification, pages 1 – 5, and dated 21 May 2018;
- l. AT&T RF Safety Policy, pages 1 – 6, prepared by AT&T, and dated December 15, 2020;
- m. Street Light Site License Agreement, License Number JU19-003, License site name and number PHX01-008-A, and dated August 13, 2019;
- n. The new fiber vault covers shall be SW 9127 “At Ease Soldier” color in accordance with plan sheet A-1;
- o. The Meter Pedestal shall face away from Scottsdale Rd and shall be painted SW9127 “At Ease Soldier” color in accordance with plan sheets A-1 and A-3;
- p. The new streetlight pole shall have a galvanized steel paint and finish in accordance with plan sheets A-1 and A-3; and
- q. The Charles Antenna Canister shall be a 2X Satin Grey color in accordance with plan sheet A-3.

SUMMARY STATEMENT:

BACKGROUND

Request

AT&T (represented by Smartlink LLC) is requesting a Small Wireless Service Facility. The applicant will replace an existing streetlight pole along Scottsdale Road with a new light pole that has cellular equipment on top of it. The purpose of this improvement is to handle the additional demand for wireless and voice data in the surrounding area. The new light pole will be placed 3’ north of the location of the existing pole location (with the existing poles being removed).

Background

In August of 2017, the Town Council adopted Ordinance 2017-05, which set the procedures for review and approval of Small Wireless Service Facilities (Small Cell) located in the Town’s right-of-way to comply with a newly adopted State Statute. The ordinance allowed for Small Cell deployment through an administrative process if the proposal met the Town’s objective design standards. The two objective design standards in the existing Town Code utilizes concealment methods already installed in the Town, which are:

1. A 24-foot-tall faux cactus; or



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2. On top of a replacement streetlight or traffic signal pole (in which the replacement pole shall substantially match the existing pole).

If an applicant meets the objective design standards, the application is processed administratively through the Planning Commission within 75 days of the application being deemed complete by Town staff. If the applicant cannot meet one of the two objective design standards, they can proceed through the SUP process to install a new pole. The replacement streetlight pole is compliant with the design standards and is located along Scottsdale Road in front of the Doubletree Resort, between Jackrabbit Road and Vista Drive.

Scope of Request

The proposed improvements are in the Town's right-of-way. The existing streetlight pole will be replaced with a new pole and the replacement streetlight pole is compliant with the Town's design standards. The new/replacement pole is 38'6" tall (measured from finished grade to the top of the antenna canister), will be placed 3' north of the existing pole location (which is located approximately 547' from the center line of Jackrabbit Road), and substantially matches the existing pole in terms of style and color. The replacement pole has a galvanized steel finish and tapers from approximately 10" at the base to approximately 8" near the top. The light arm is also of similar length and style as the existing pole and will have GE Evolve LED Roadway luminaire/fixture. The fixture is compliant with the City of Scottsdale roadway lighting standards and has a photocell in which the light will operate from dusk to dawn. A photometric plan and light fixture details are included for reference.

The antennas will be placed on top of the light pole and will be concealed by a satin grey colored canister. The antenna canister dimensions are approximately 5'5" in length and 1'6" in width. Photo simulations are included in the packet which provide before and after images of the existing and replacement light pole.

Two new fiber vaults will be placed next to the replacement pole. The vaults are under ground and will be secured with an olive-green colored cover (SW9127 At Ease Soldier). A new meter pedestal will also be placed near the pole. The pedestal is 4' tall, 16" wide, will be painted an olive-green color (SW9127 At Ease Soldier), and will be situated so the front of the meter does not face Scottsdale Road. The applicant provided photos illustrating the color of the meter pedestal and vault cover for reference.

There are no speed limit signs and bust stop signs on the existing light pole. Below is a summary comparing the Town requirements with the new/replacement streetlight pole:

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	Existing Pole	Replacement Pole	Town Code
Height of Pole	32'7"	38'6"	38'7" - Maximum Height of 6' above Existing Pole (excluding mast arm)
Height of Luminaire	35'6"	35'0"	Not specified
Color	Galvanized Steel Pole	Galvanized Steel Pole 2X Satin Grey Canister	Substantial Compliance with Existing Pole Color
Antennas	None	2.45 Cu. Ft.	6 Cu. Ft. Maximum
Antenna Canister	None	18.3" Diameter	20" Maximum Diameter
Meter Pedestal Cabinet	None	Faces away from the street Green Color 7.84 Cu. Fe.	Face away from the street Color appropriate with background 28 Cu. Ft. Maximum
Light Fixture	GE M-400A Dusk-Dawn Operation	GE Evolve Type II Wide Dusk-Dawn Operation Compliant with City of Scottsdale Roadway Lighting Standards	Compliance with City of Scottsdale Roadway Lighting Standards

Siting Standards

- The visual impact is minimal since the replacement pole is of similar design and color of the existing light pole, is located just 3' north of the existing pole location, and is located between Scottsdale Road and the Doubletree Resort.
- The related equipment will also have minimum visual impact. The existing and wall will screen the equipment from the resort, the meter pedestal will not face Scottsdale Road and will be painted an olive-green color to help it blend in with the surrounding vegetation, and the fiber vaults are below grade and secured with an olive-green colored cover.
- Based on the information provided by the applicant, this communication facility will have no impact on vehicular or pedestrian patterns since the equipment does not emit any order, dust, gas, noise, vibration, smoke, heat, or glare and is designed to blend in with the other light poles in the area.
- An environmental assessment is required in instances where any of the



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following exist on the subject site: wilderness area, wildlife preserve, endangered species, historical site, Indian religious site, flood plain, high intensity white lights, or excessive RF exposure. None of the aforementioned categories exists on the site and thus, no environmental assessment is required pursuant to the National Environmental Policy Act.

Radiofrequency Performance and Interference Standards:

The antennas and associated equipment must meet Federal Communication Commission (FCC) guidelines for radiofrequency (RF) performance. The applicant provided a FCC Compliance Report (RF Report) demonstrating that the new antennas are compliant with Federal standards and requirements. Safety recommendations and emergency shutdown procedures are also outlined in the RF Report and on plan sheet T-3.

Public Comment

Notification was performed in accordance with the meeting process. Staff received no comments nor inquiries regarding these improvements.

ATTACHMENT(S):

- A. Staff Report
- B. Application
- C. Vicinity Map & Aerial Photo
- D. Narrative & Plans
- E. Photo Simulations
- F. Photometric Plans & Documents
- G. Radiofrequency Performance Reports & Safety Certification
- H. Color Board Photo Samples
- I. Valley Metro Bus Sign Relocation Letter
- J. Town Code Section 2-5-2.I