

CITY OF HIGH POINT

AGENDA ITEM



Right-Of-Way Encroachment RE-17-0013

Title: (Lighttower Fiber Network / Fibertech Networks)

From: Lee Burnette, Planning & Development
Director

Meeting Date: February 19, 2018

Public Hearing: No

Advertising Date: Not Applicable

Advertised By: Not Applicable

Attachments: A. Staff Report
B. Location Map
C. Sample Rendering

PURPOSE:

A request by Lighttower Fiber Network / Fibertech Networks to install a small cell antenna pole within the North Lindsay Street right-of-way.

BACKGROUND:

Staff report and the Technical Review Committee's recommendation is enclosed.

BUDGET IMPACT:

There is no budget impact.

RECOMMENDATION / ACTION REQUESTED:

A. On February 7, 2018 the Technical Review Committee recommended *approval* of Right-Of-Way Encroachment RE-17-0013.

**CITY OF HIGH POINT
PLANNING AND DEVELOPMENT DEPARTMENT**

RIGHT-OF-WAY ENCROACHMENT

RE-17-0013

February 17, 2018

Request	
Applicant: Lighttower Fiber Networks / Fibertech Networks	Proposal: To allow a utility pole to be located in the North Lindsay Street public right-of-way in the City of High Point.

Adjacent Streets		
Name:	Classification:	R/W Width:
North Lindsay Street	Major Thoroughfare	59-feet

Analysis

The applicant is requesting permission to allow a utility pole to be erected within the North Lindsay Street right-of-way. The pole encroaches into the right-of-way approximately 23-feet, on the northwest corner of the intersection of North Lindsay Street and West Ray Avenue.

On December 7, 2016, City Council approved a right-of-way encroachment for this applicant on the southwest corner of the North Lindsay Street and West Ray Avenue intersection. During construction, it was determined by the applicant that the encroachment location was not suitable for construction of a stealth pole. The applicant is now requesting a new location for the same proposed utility pole, to encroach into the right-of-way, on the northwest corner of North Lindsay Street and West Ray Avenue.

The encroachment request is for a 37-foot tall pole, consisting of a small cell antenna mounted on the top of the pole, and a various other related equipment attached or internal to the pole itself. The applicant has stated that the need for this equipment in the right-of-way is to assist in constructing a fiber optic network within the City.

The Technical Review Committee reviewed this request on January 22, 2018, and determined that the proposed encroachment would not affect public safety or interfere with maintenance needs. The proposed pole location is in an area where the City has placed existing utility lines underground, and thus will be a stealth pole.

As with earlier submissions regarding poles in underground utility areas, the same design criteria, including the use of stealth poles, are expected to be applied to this request. Previous discussions with the applicant, reiterated that any pole located in an underground utility area is to resemble the existing light poles used by the City in that area.

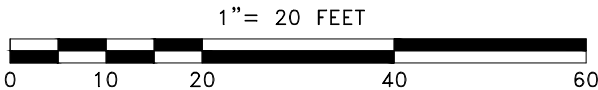
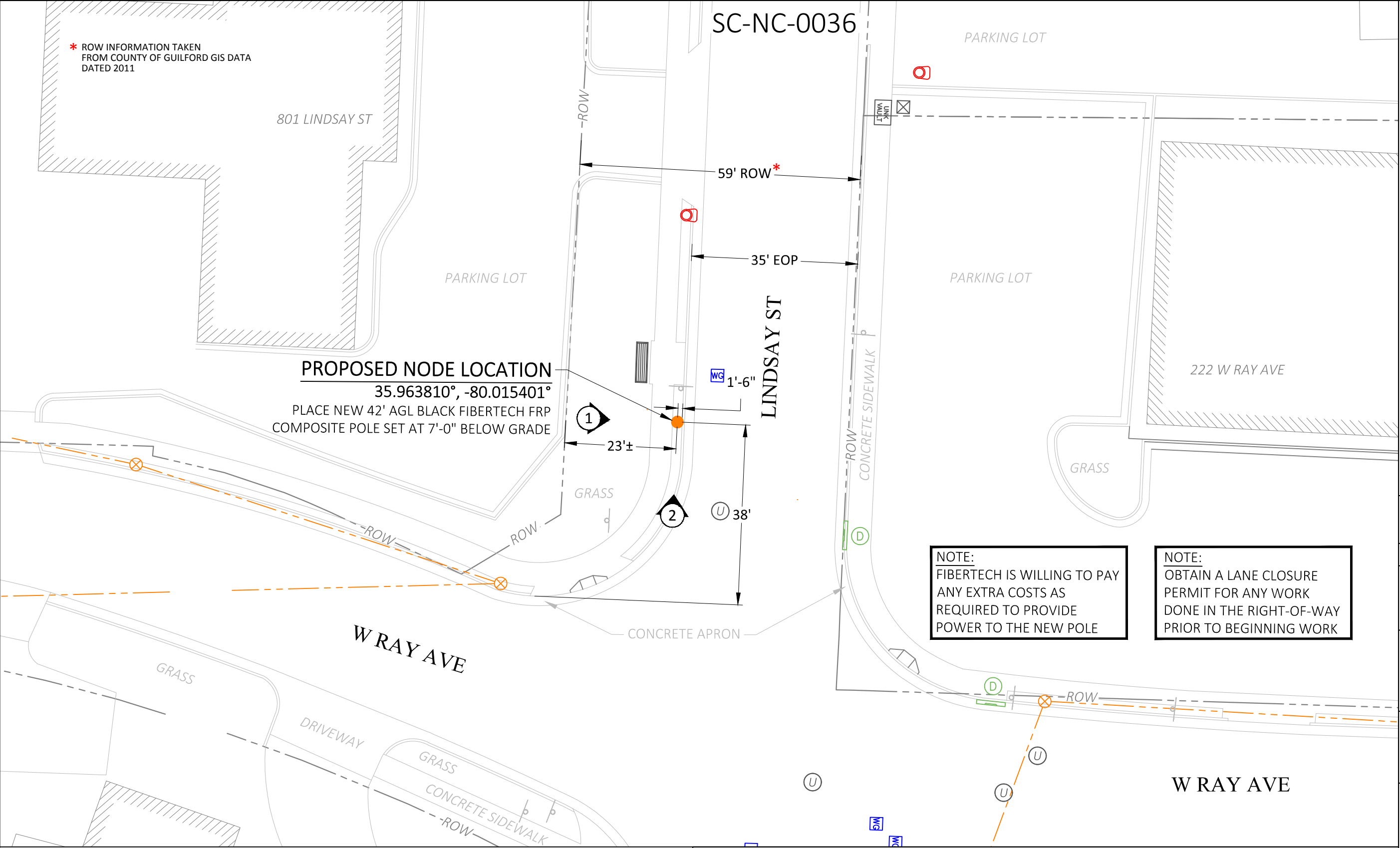
The stealth pole renderings are attached, as well as a site plan depicting the location of the proposed pole.

Recommendation


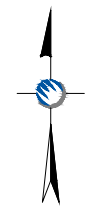
The proposed location of the pole would not affect public safety or interfere with street or utility maintenance. Staff recommends approval of this requested right-of-way encroachment contingent upon the applicant installing a stealth pole as depicted on the attached drawing.

Report Preparation

This report was prepared by Planning and Development Department staff member Justin S. Westbrook, CZO and was reviewed by Robert L. Robbins, AICP and G. Lee Burnette, AICP.



LEGEND									
	PROPOSED POLE		CATV HH		SEWER MH		PARKING METER(S)		OVERHEAD LINES
	ELECTRIC POLE		COMM PEDESTAL		DRAIN MH		STEEL POST		TEL
	JOINT UTILITY POLE		IRRIGATION VALVE		TELEPHONE MH		SIGN POLE		ELECTRIC
	LAMP POST		WATER METER		ELECTRIC MH		CATCH BASIN		SEWER
	TRAFFIC LIGHT		SEWER GATE		CATV MH		ELECTRIC VAULT		STORM DRAIN
	STREET LIGHT		GAS GATE		WATER MH		TRAFFIC HH		WATER
	ELECTRIC HH		WATER GATE		MAIL BOX		FENCE		GAS
	TEL HH		HYDRANT		BUSH/SHRUB		RIGHT OF WAY		TRAFFIC




CALL BEFORE YOU DIG
REQUIRES 72 HOURS
BEFORE YOU EXCAVATE
811 OR 1-800-632-4949

LOCATION:
HIGH POINT, NORTH CAROLINA
35.963810°, -80.015401°


POLE OWNER:
FIBERTECH

NOTES:

PREPARED FOR:



PREPARED BY:



UC SYNERGETIC
Innovative Thinking. Engineered Solutions.
21 OXFORD RD
MANSFIELD, MA 02048
www.ucsyng.com 1-508-337-7600

FIBERTECH SMALL CELL
SITE PLAN

REVISIONS		
REV	DESCRIPTION	DATE
1	UPDATED POLE TYPE & PLACEMENT	07/20/17
2	UPDATED POLE HEIGHT	08/02/17
3	ADDED NOTES	02/01/18

DRAFTER: SJK

SCALE: SEE BAR SCALE

ISSUE DATE: 03/30/15

INDEX NAME: SC-NC GN 0036

SHEET #: 2 OF 10

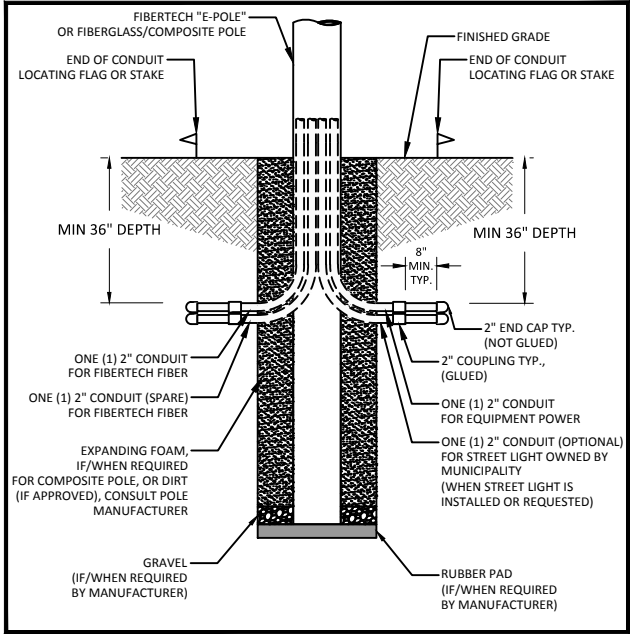
2

NOTE:
PLACE NEW 42' AGL FRP COMPOSITE FIBERTECH POLE.

ABSOLUTE MINIMUM DEPTH OF SET
MUST MEET OR EXCEED 10% OF
OVERALL HEIGHT ABOVE GROUND
(INCLUDING ATTACHMENTS), PLUS
2 FEET, ROUNDED UP TO THE NEXT
FULL FOOT.

POLE SET & CONDUIT NOTES:

1. FIBER AND POWER CONDUIT ORIENTATION/DIRECTION SHOWN IS FOR PICTORIAL REFERENCE ONLY. PLEASE CONTACT THE FIBERTECH FIBER CONSTRUCTION ENGINEER (FCE) FOR ACTUAL ORIENTATION/DIRECTION PRIOR TO CONSTRUCTION.
2. POLE/CONDUIT INSTALLER TO PLACE A SMALL LOCATOR FLAG OR STAKE ABOVE GROUND WITH EITHER "FIBER" OR "POWER" WRITTEN ON IT TO INDICATE UNDERGROUND CONDUIT LOCATION.
3. POLE/CONDUIT INSTALLER TO ADD A 2"-PVC COUPLING, MINIMUM 8"-LONG SECTION OF 2"-PVC PIPE, AND 2"-PVC PIPE CAP (CAP NOT TO BE GLUED/CEMENTED) OR OTHER MEANS TO EACH SWEEP ELBOW COMING OUT OF THE POLE BELOW GROUND LEVEL AND TO EXTEND PAST EXPANDING FOAM/DIRT FILL TO INSURE NO EXPANDING FOAM/DIRT/DEBRIS RE-ENTERS THE PIPE EXTENSION OR SWEEP ELBOW.
4. POLE/CONDUIT INSTALLER TO PLACE MULE/PULL TAPE IN ALL CONDUITS.
5. ALL CONDUIT SHALL BE PLACED UP AND THROUGH CENTER/INTERIOR OF POLE (NOT EXTERIOR) UNLESS OTHERWISE SPECIFIED.
6. IN LIEU OF TWO (2) 2" CONDUITS FOR FIBERTECH FIBER, ONE (1) 4" CONDUIT MAY BE PLACED.
7. POLE IS NOT TO BE DRILLED OR ALTERED IN ANY WAY AT INSTALLATION WITHOUT APPROVAL.

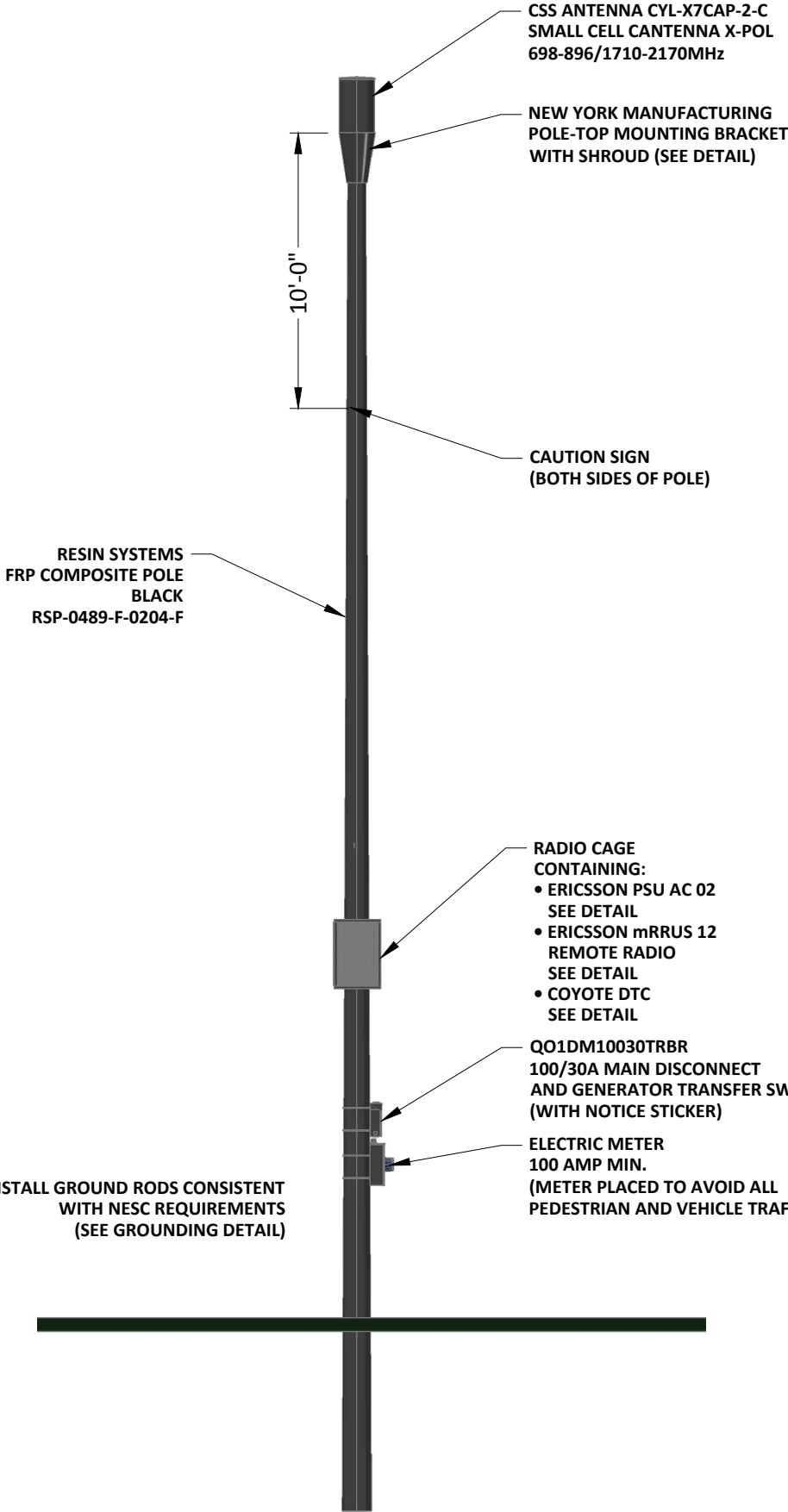
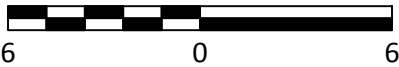


SET POLE TO A DEPTH OF 7'-0"
BELOW GRADE WITHIN NORMAL
SOIL/DIRT CONDITIONS. POLE TO BE
BACK-FILLED AND TAMPED AROUND
POLE FOR PROPER INSTALLATION

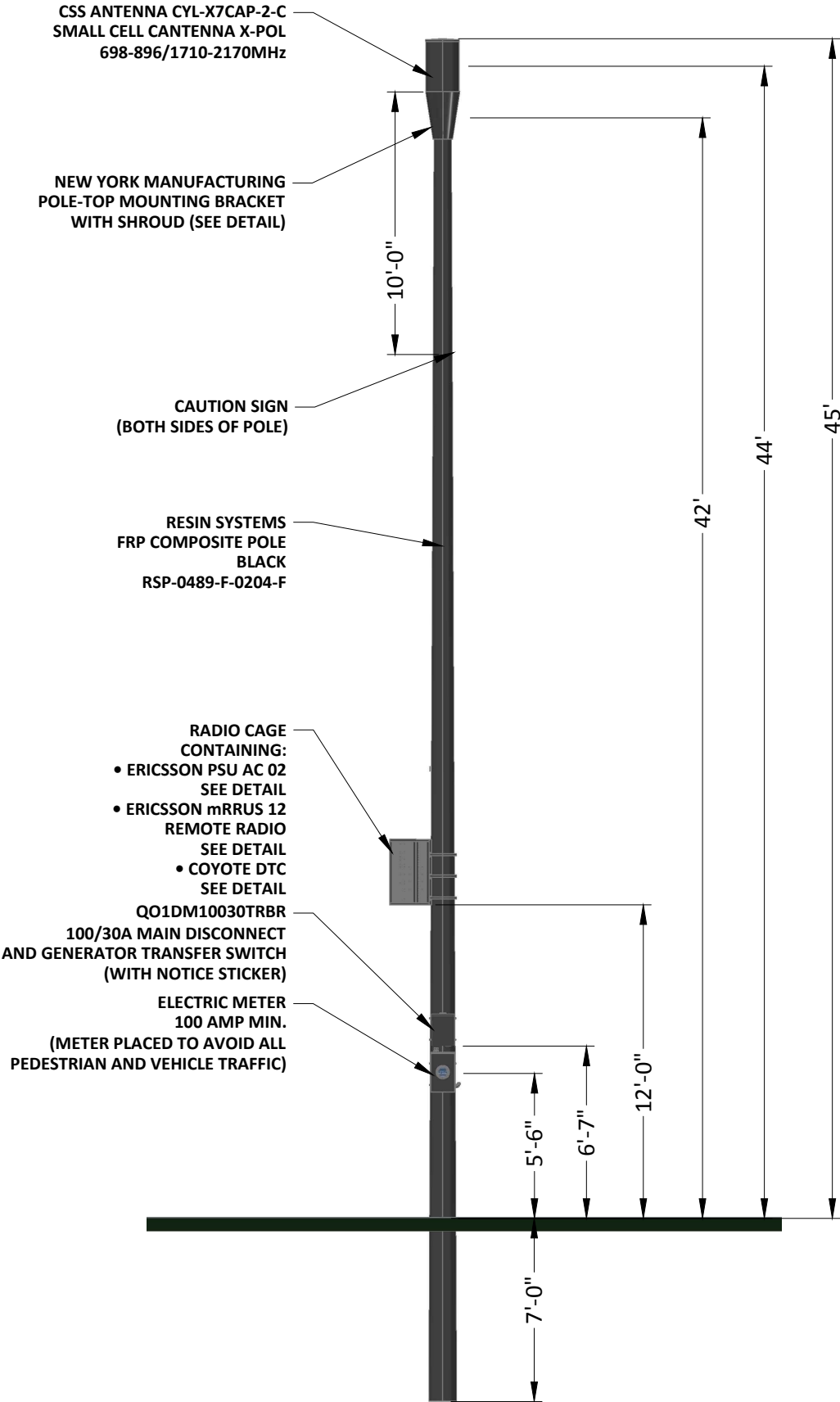
POLE SET & CONDUIT DETAIL

N.T.S.

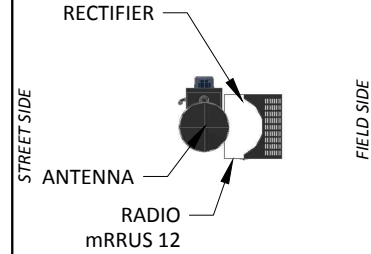
SCALE IN FEET



① PROPOSED PROFILE - REAR VIEW
LOOKING EAST TOWARDS LINDSAY ST



② PROPOSED PROFILE - SIDE VIEW
LOOKING SOUTH TOWARDS W RAY AVE



PROPOSED TOP VIEW

LOCATION: HIGH POINT, NC
35.963810°, -80.015401°

POLE OWNER: FIBERTECH

NOTES:

PREPARED FOR:



PREPARED BY:

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FIBERTECH SMALL CELL
PROPOSED

REVISIONS		
REV	DESCRIPTION	DATE
1	UPDATED POLE TYPE & PLACEMENT	07/20/17
2	UPDATED POLE HEIGHT	08/02/17
3	ADDED NOTES	02/01/18

DRAFTER: BAJ	3
SCALE: 1" = 6'	
ISSUE DATE: 07/25/17	
NODE NAME: SC-NC 0036	
SHEET #: 3 OF 10	



EXISTING PHOTOGRAPHIC VIEW



PROPOSED PHOTOGRAPHIC SIMULATION

LOCATION:

HIGH POINT, NC
35.963810°, -80.015401°

POLE OWNER:

FIBERTECH

NOTES:

PREPARED FOR:



PREPARED BY:


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FIBERTECH SMALL CELL
PHOTO SIM

REVISIONS		
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2	UPDATED POLE HEIGHT	08/02/17
3	ADDED NOTES	02/01/18

DRAFTER: BAJ

SCALE: NTS

ISSUE DATE: 07/25/17

NODE NAME: SC-NC 0036

SHEET #: 4 OF 10

4