

CITY OF HIGH POINT

AGENDA ITEM



Title: Right-Of-Way Encroachment RE-15-0024, RE-15-0025 & RE-15-0026
(Lighttower Fiber Networks / Fibertech Networks)

From: Lee Burnette, Planning & Development
Director

Meeting Date: February 15, 2016

Public Hearing: No

Advertising Date: Not Applicable

Advertised By: Not Applicable

Attachments: A. Staff Memo
B. Location Map
C. Sample Renderings

PURPOSE:

A request by Fibertech Networks to install multiple small cell antenna poles within various right-of-way locations in the City.

BACKGROUND:

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

BUDGET IMPACT:

There is no budget impact.

RECOMMENDATION / ACTION REQUESTED:

A. On December 2, 2015 the Technical Review Committee recommended *approval* of Right-Of-Way Encroachments RE-15-0024, RE-15-0025 & RE-15-0026, provided the applicant installs poles that mimic existing light poles and streetscapes already installed.

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

RIGHT-OF-WAY ENCROACHMENT PERMITS

RE-15-0024, RE-15-0025 & RE-15-0026

February 15, 2016

Request	
Applicant: Lighttower Fiber Networks / Fibertech Networks	Proposal: To allow 3 utility poles to be located in the public right-of-way in various locations throughout the City of High Point.

Adjacent Streets		
Name:	Classification:	R/W and Pavement Width:
Various – see attached map	various – see attached map	various – see attached map

Analysis

The applicant is requesting permission to allow 3 utility poles to be erected within the city street right-of- way in various areas of the City. The poles encroach in to the right-of-way at differing amounts dependent upon location.

The encroachments consist of 30.5-foot tall poles, with small cell antennas mounted on the top of each pole, and various other related equipment attached to the poles themselves. The poles were originally proposed to be constructed of either metal or wood, depending on their location within the City. 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. These right-of-way encroachments are in accordance with a Pole Attachment agreement between the applicant and the City of High Point, signed August 20, 2015.

The Technical Review Committee reviewed these three requests on December 2, 2015, and determined that the proposed encroachments would not affect public safety or interfere with maintenance needs. TRC noted that each of the applicant’s proposed pole locations are subject to varying comments related to the individual locations. These comments generally are instructional for the applicant, or requests to show additional information on the site plans, and can be easily accommodated by the applicant. This group of three proposed pole locations are in areas where the City has placed existing utility lines underground.

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 these three requests. 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 rendering is attached, as well as a site plan depicting the location for each of the three proposed poles.

Recommendation

The proposed locations of the three poles would not affect public safety or interfere with street or utility maintenance. Staff recommends approval of these three requested right-of-

way encroachments contingent upon the applicant addressing any individual pole site plan comments and installing stealth poles as depicted on the attached drawings.

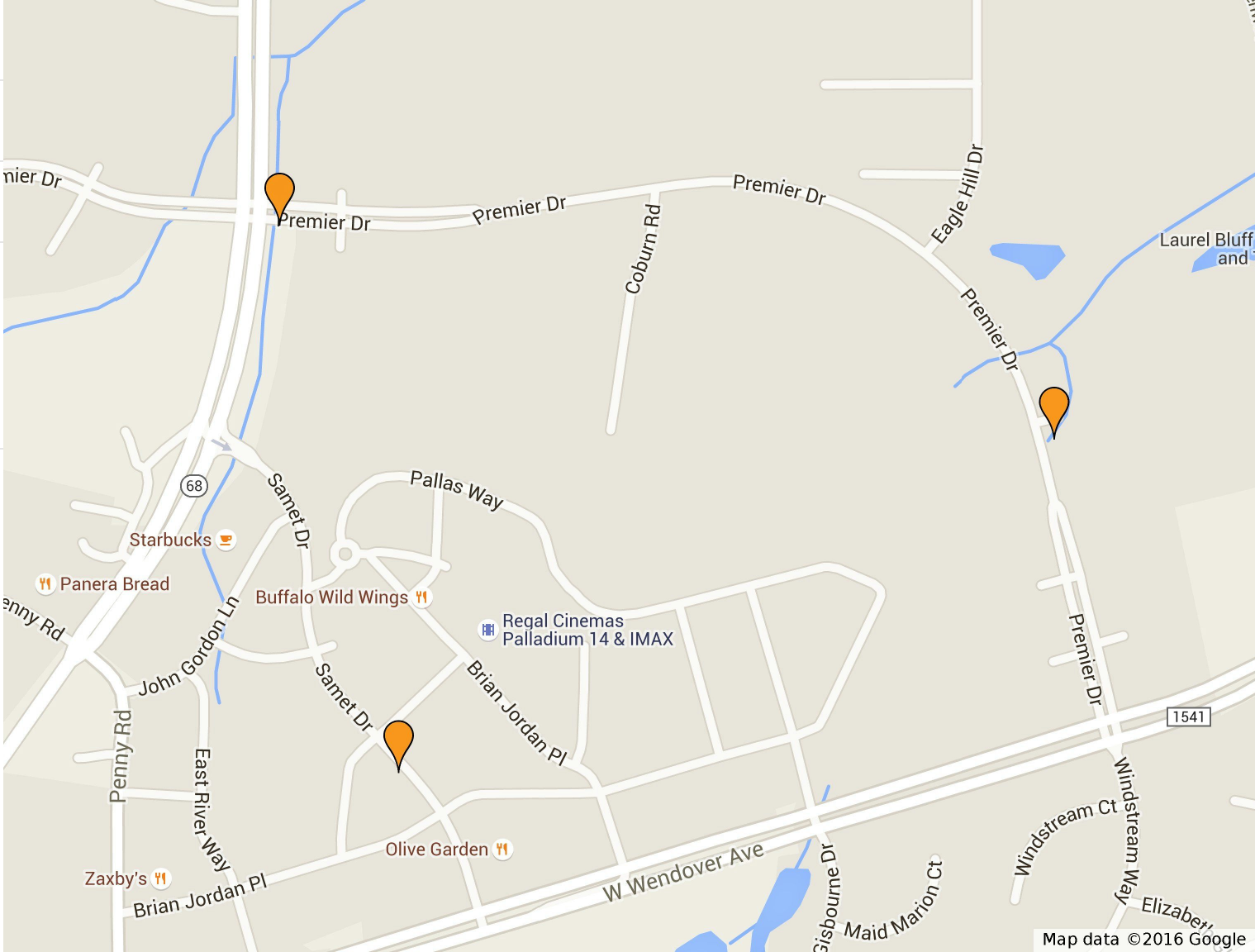
Report Preparation

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

FiberTech

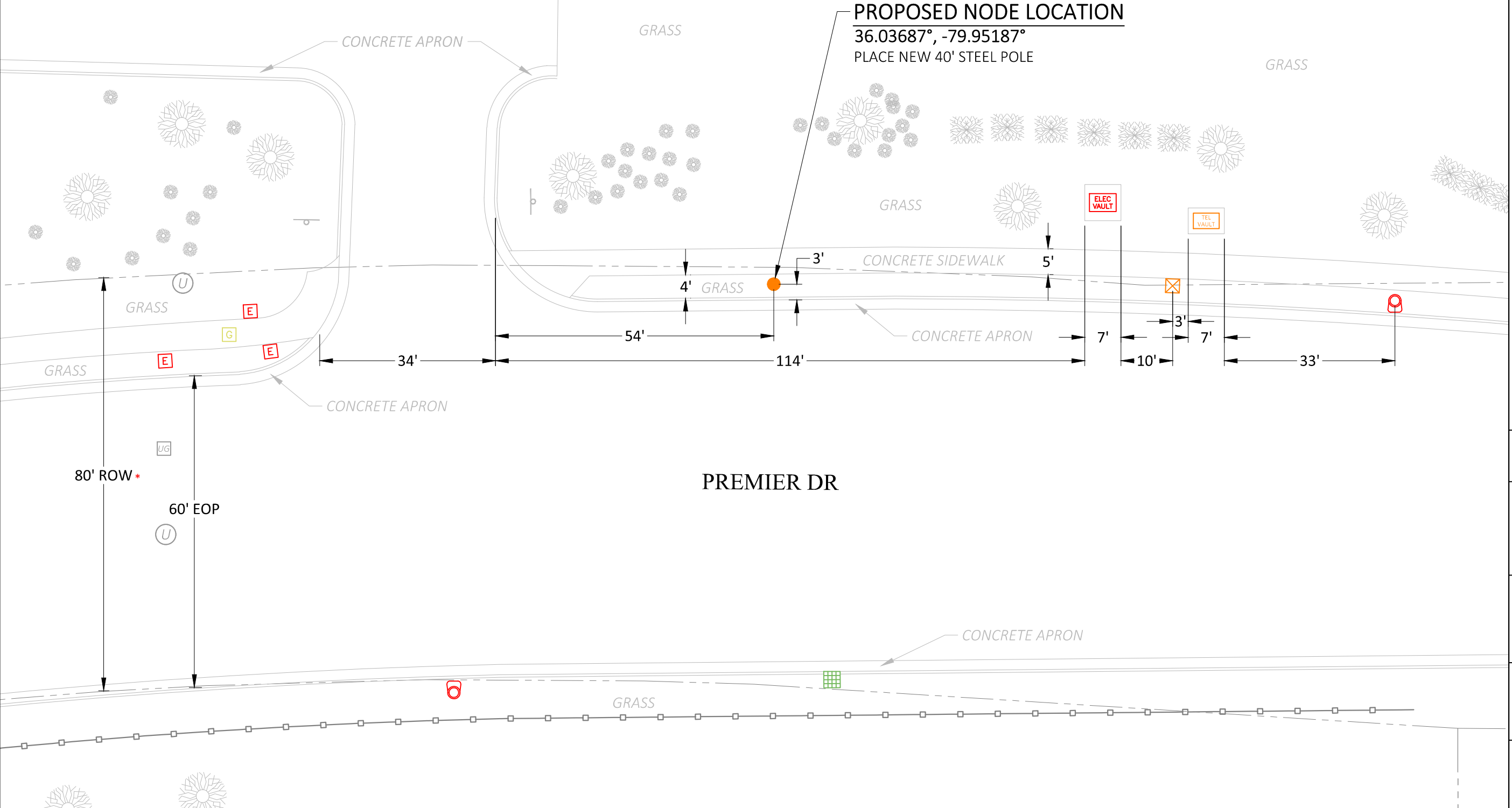
Proposed Poles
Underground Utility Areas
'Wheel & Spoke' Network
New Underground Utility Areas
<div><div></div> RE-15-0024</div> <div><div></div> RE-15-0025</div> <div><div></div> RE-15-0026</div>

proposed pole locations



SC-NC-0197 PENNY ROAD

* ROW INFORMATION TAKEN
FROM COUNTY OF GUILFORD GIS DATA
DATED 2015



North Carolina 811
www.nc811.org

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

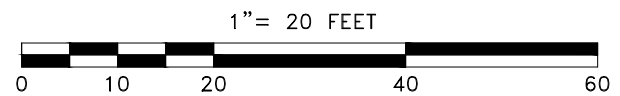
LOCATION:
GREENSBORO, NORTH CAROLINA
36.03687°, -79.95187°

NOTES:

PREPARED FOR:
Fibertech networks.

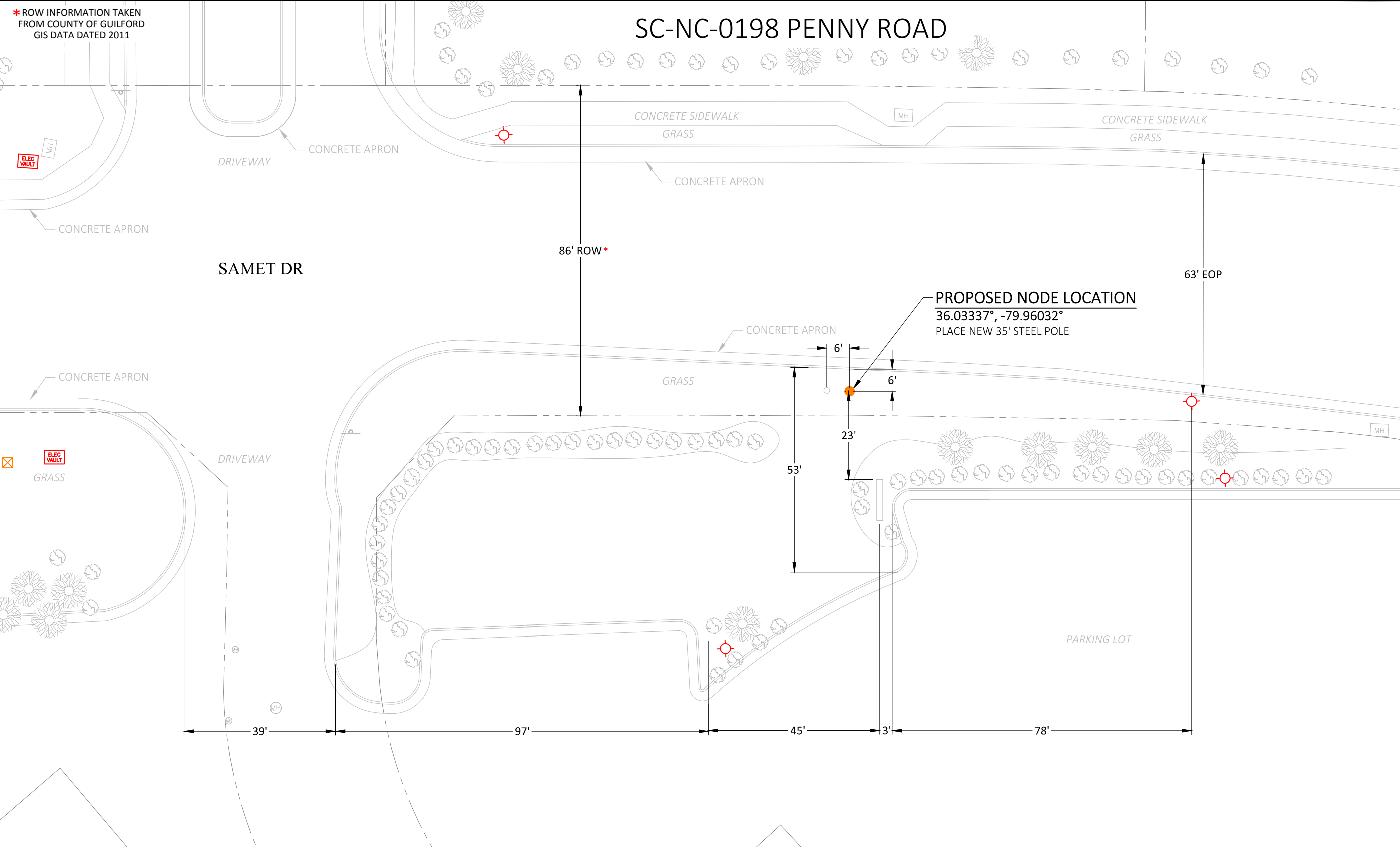
PREPARED BY:
UC SYNERGETIC
Innovative Thinking. Engineered Solutions.
21 OXFORD RD
MANSFIELD, MA 02048
www.ucseeng.com 1-508-337-7600

FIBERTECH SMALL CELL
SITE PLAN



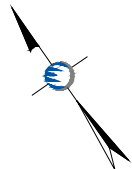
LEGEND									
	PROPOSED POLE		CATV HH		SEWER MH		PARKING METER(S)		OVERHEAD LINES
	ELECTRIC POLE		COMM PEDESTAL		DRAIN MH		STEEL POST		TEL
	JOINT UTILITY POLE		IRRIGATION VALVE		TELEPHONE MH		SIGN POLE		ELECTRIC
	LAMP POST		WATER METER		ELECTRIC MH		CATCH BASIN		SEWER
	TRAFFIC LIGHT		SEWER GATE		CATV 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

REVISIONS		
REV	DESCRIPTION	DATE
DRAFTER: WP		1
SCALE: SEE BAR SCALE		
ISSUE DATE: 10/27/15		
INDEX NAME: SC-NC GN 0197		
SHEET #: 1 OF 1		



* ROW INFORMATION TAKEN
FROM COUNTY OF GUILFORD
GIS DATA DATED 2011

SC-NC-0198 PENNY ROAD



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

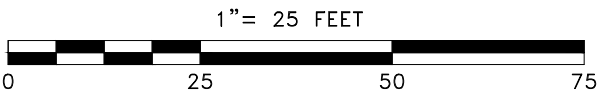
LOCATION:
GREENSBORO, NORTH CAROLINA
36.03337°, -79.96032°

NOTES:



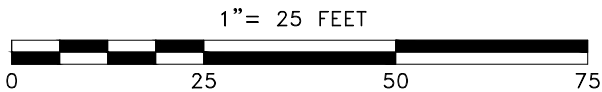
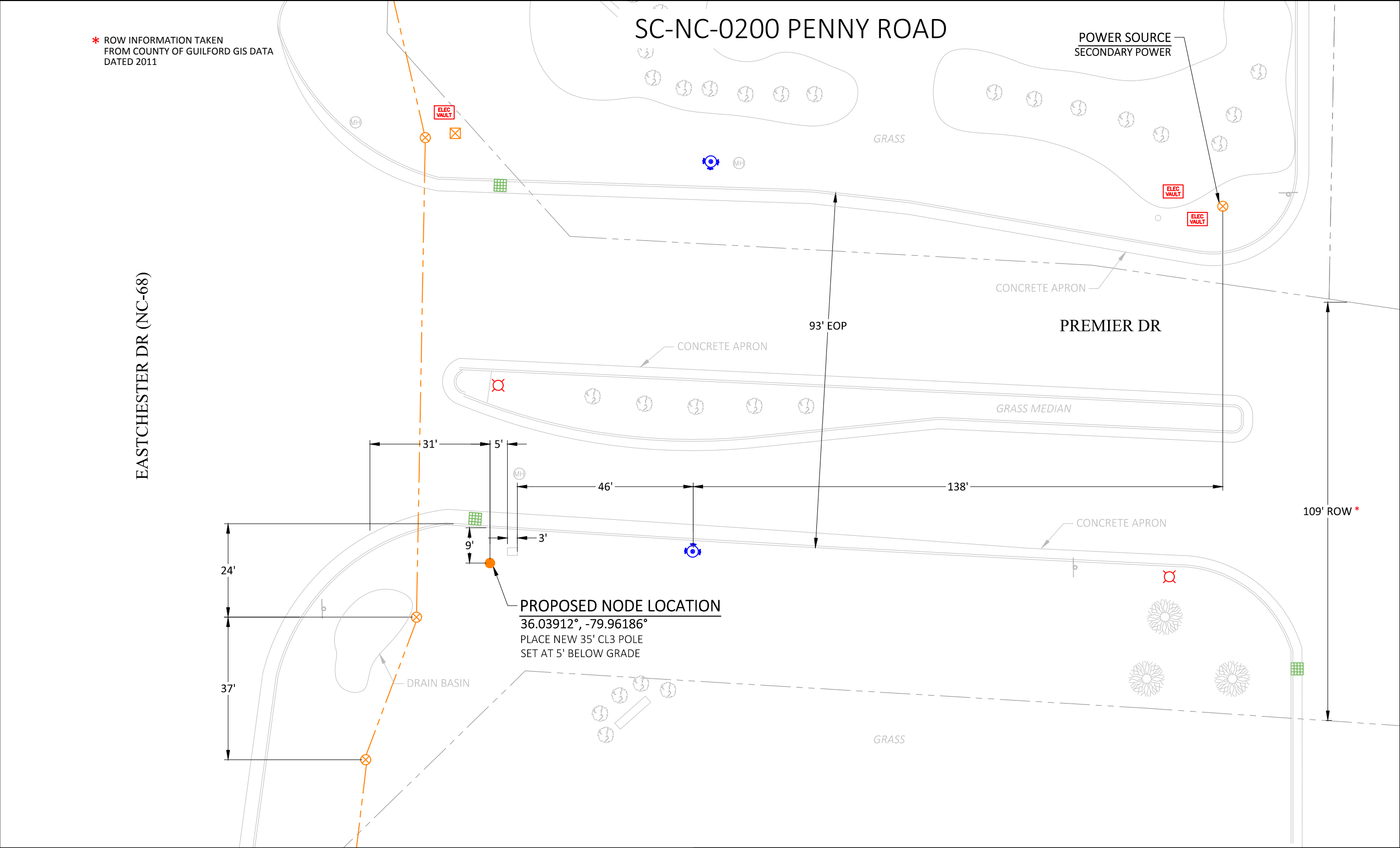
PREPARED BY:
UC SYNERGETIC
Innovative Thinking. Engineered Solutions.
21 OXFORD RD
MANSFIELD, MA 02048
www.ucseng.com 1-508-337-7600

FIBERTECH SMALL CELL SITE PLAN



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

REVISIONS		
REV	DESCRIPTION	DATE
DRAFTER: VMF		1
SCALE: SEE BAR SCALE		
ISSUE DATE: 10/27/15		
INDEX NAME: SC-NC GN 198		
SHEET #: 1 OF 1		



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

LOCATION:
GREENSBORO, NORTH CAROLINA
36.03912°, -79.96186°

NOTES:

PREPARED FOR:

PREPARED BY:

21 OXFORD RD
MANSFIELD, MA 02048
www.ucseng.com 1-508-337-7600

FIBERTECH SMALL CELL
SITE PLAN

REVISIONS		
REV	DESCRIPTION	DATE

DRAFTER: VMF

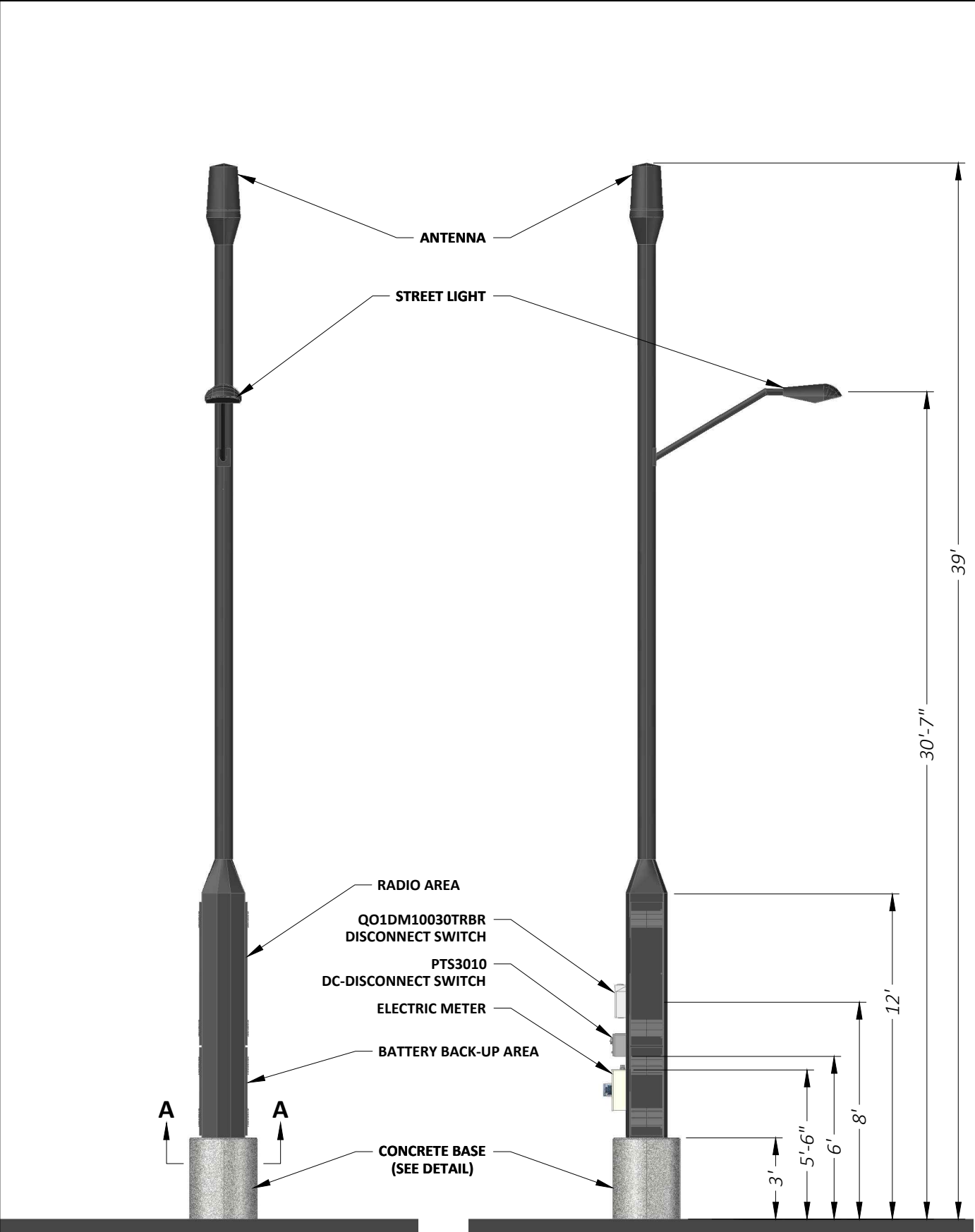
SCALE: SEE BAR SCALE

ISSUE DATE: 11/02/15

INDEX NAME: SC-NC GN 0200

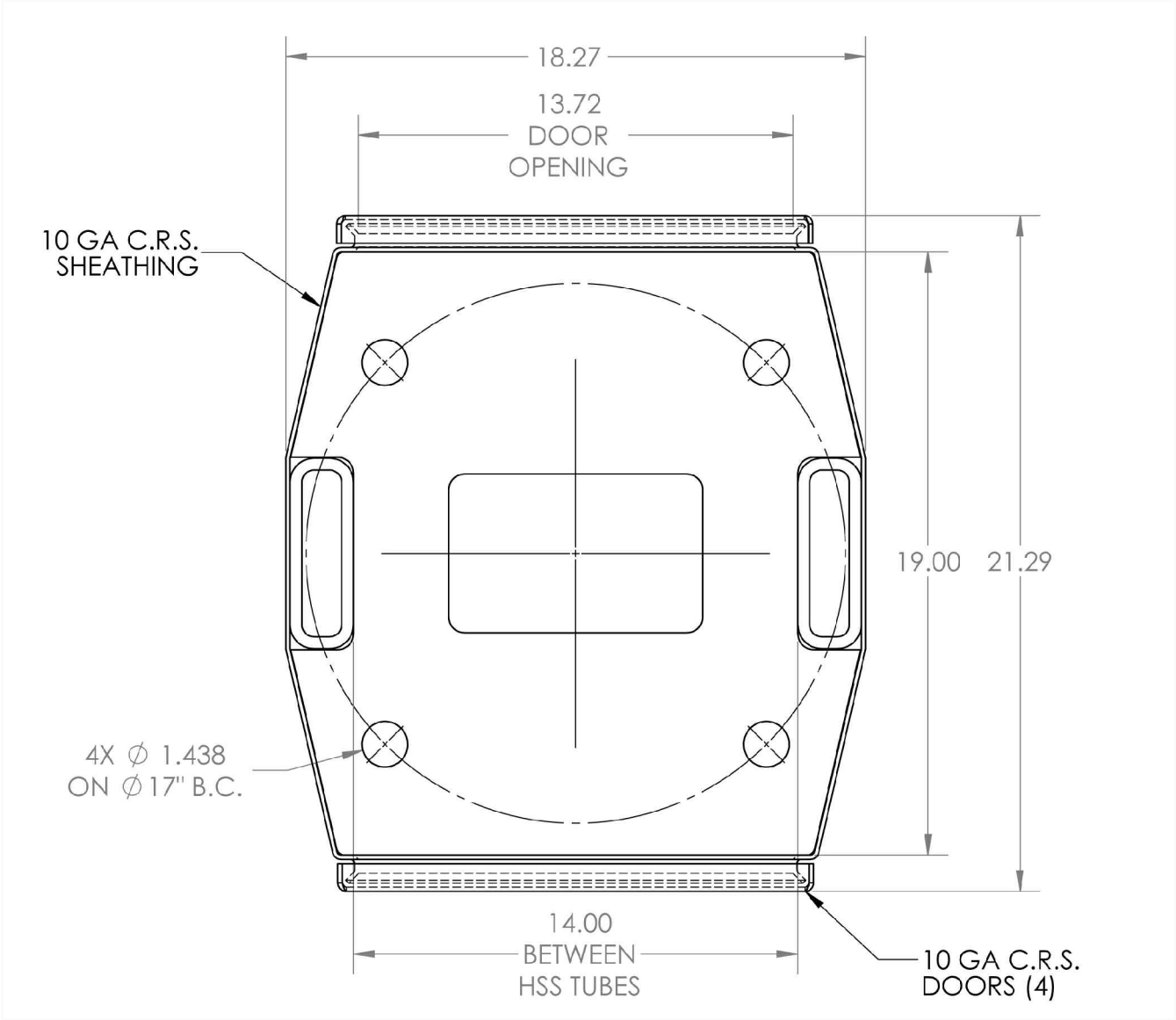
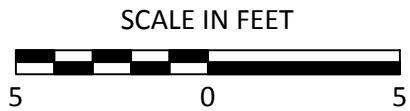
SHEET #: 1 OF 1

1



① FRONT VIEW
LOOKING EAST FROM WALNUT ST

② SIDE VIEW
LOOKING SOUTH FROM WALNUT ST



SECTION A - A
CABINET DETAIL

LOCATION:

NOTES:

PREPARED FOR:



PREPARED BY:



FIBERTECH SMALL CELL
PROPOSED POLE ASSEMBLY

REVISIONS		
REV	DESCRIPTION	DATE

DRAFTER: AAV	1
SCALE: 1" = 5'	
ISSUE DATE: 12/22/14	
INDEX NAME:	
SHEET #: 1 OF 4	



PHOTOGRAPHIC SIMULATION

WIRING DIAGRAM

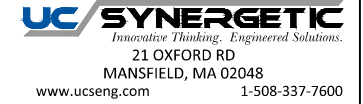
LOCATION:

NOTES:

PREPARED FOR:



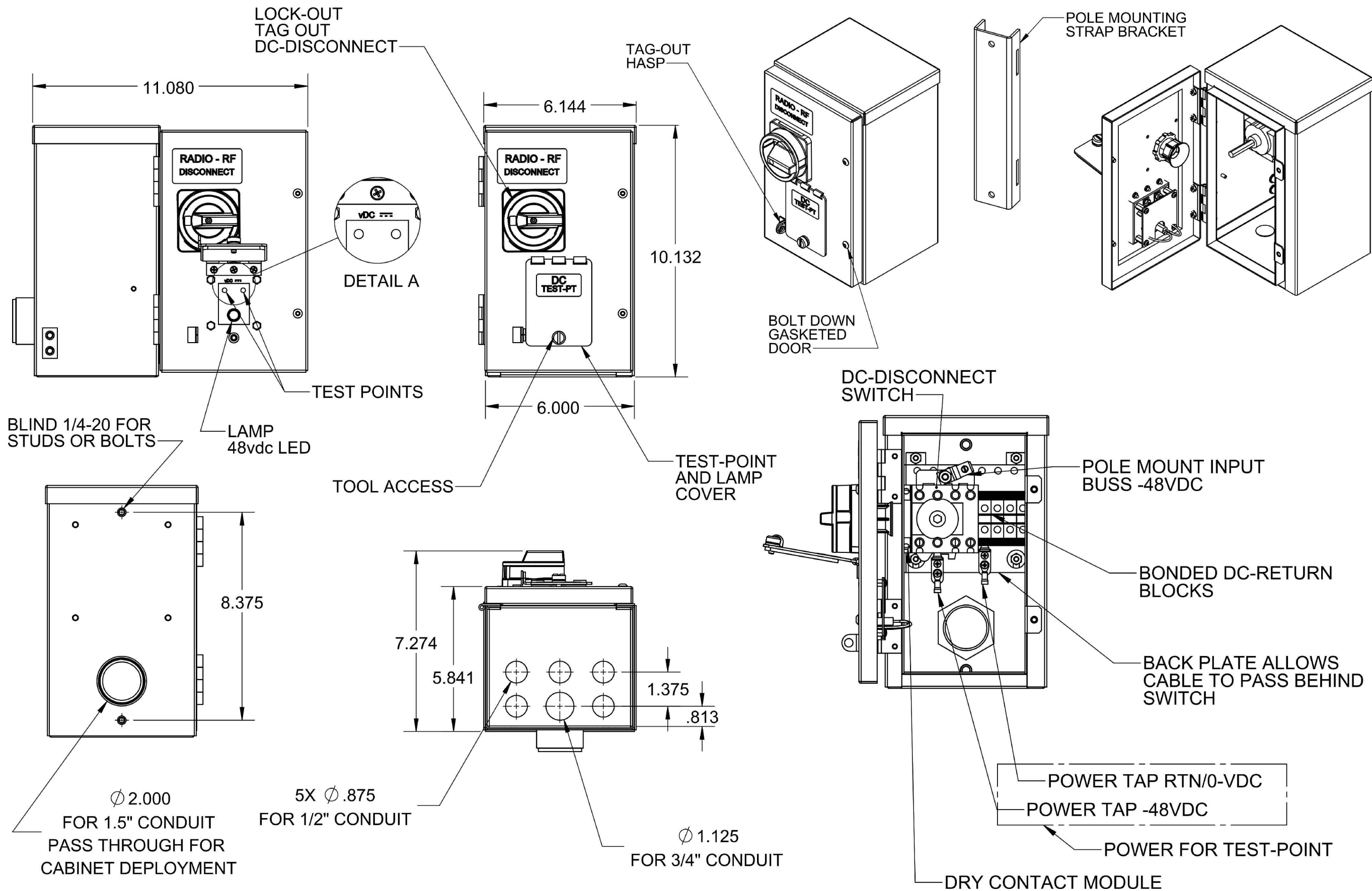
PREPARED BY:



FIBERTECH SMALL CELL
PHOTO SIM/
WIRING DIAGRAM

REVISIONS		
REV	DESCRIPTION	DATE

DRAFTER: AAV	2
SCALE: NTS	
ISSUE DATE: 12/22/14	
INDEX NAME:	
SHEET #: 2 OF 4	



ALUMINUM CONSTRUCTION

NOTES: UNLESS OTHERWISE SPECIFIED.

LOCATION:

NOTES:

PREPARED FOR:



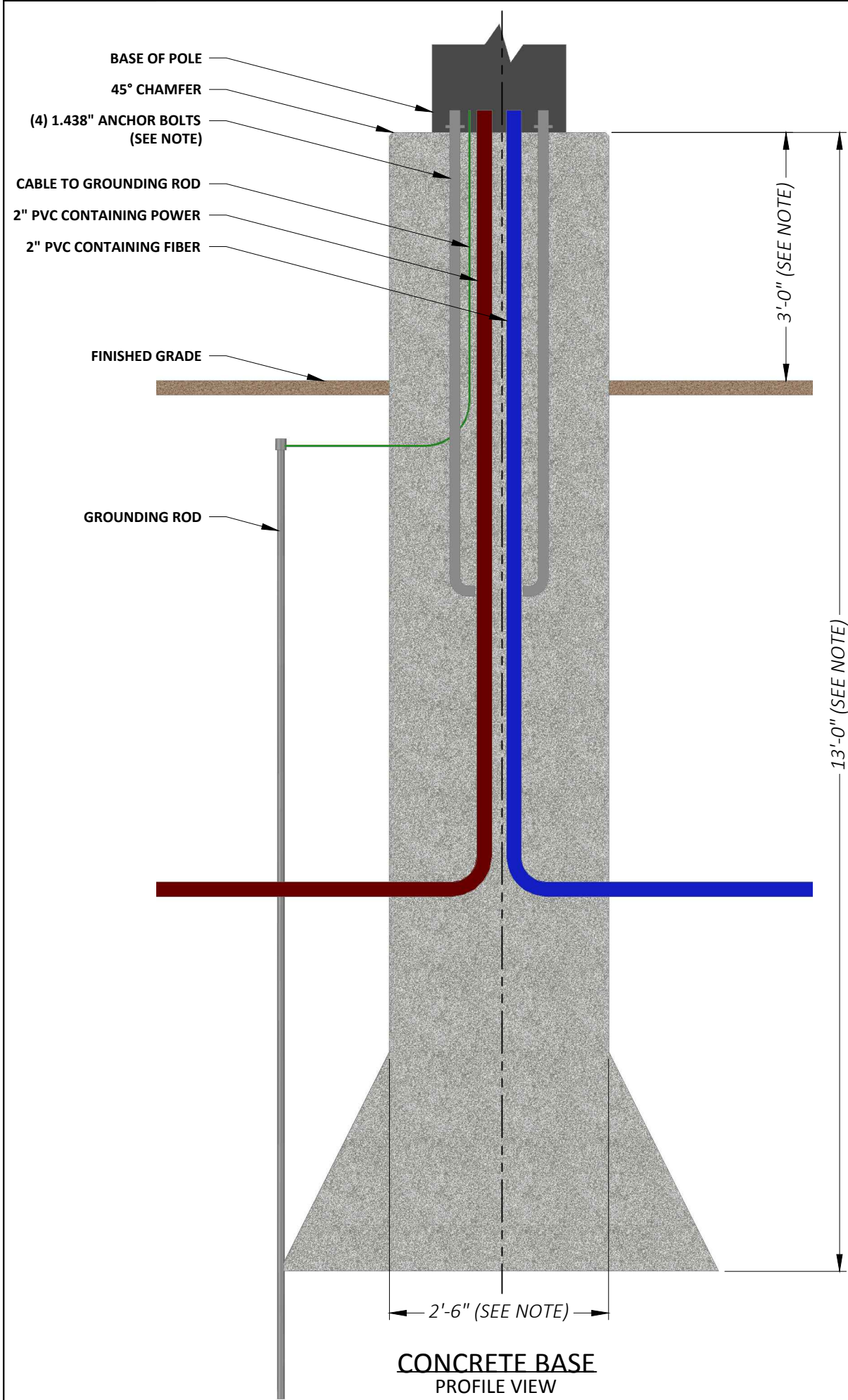
PREPARED BY:



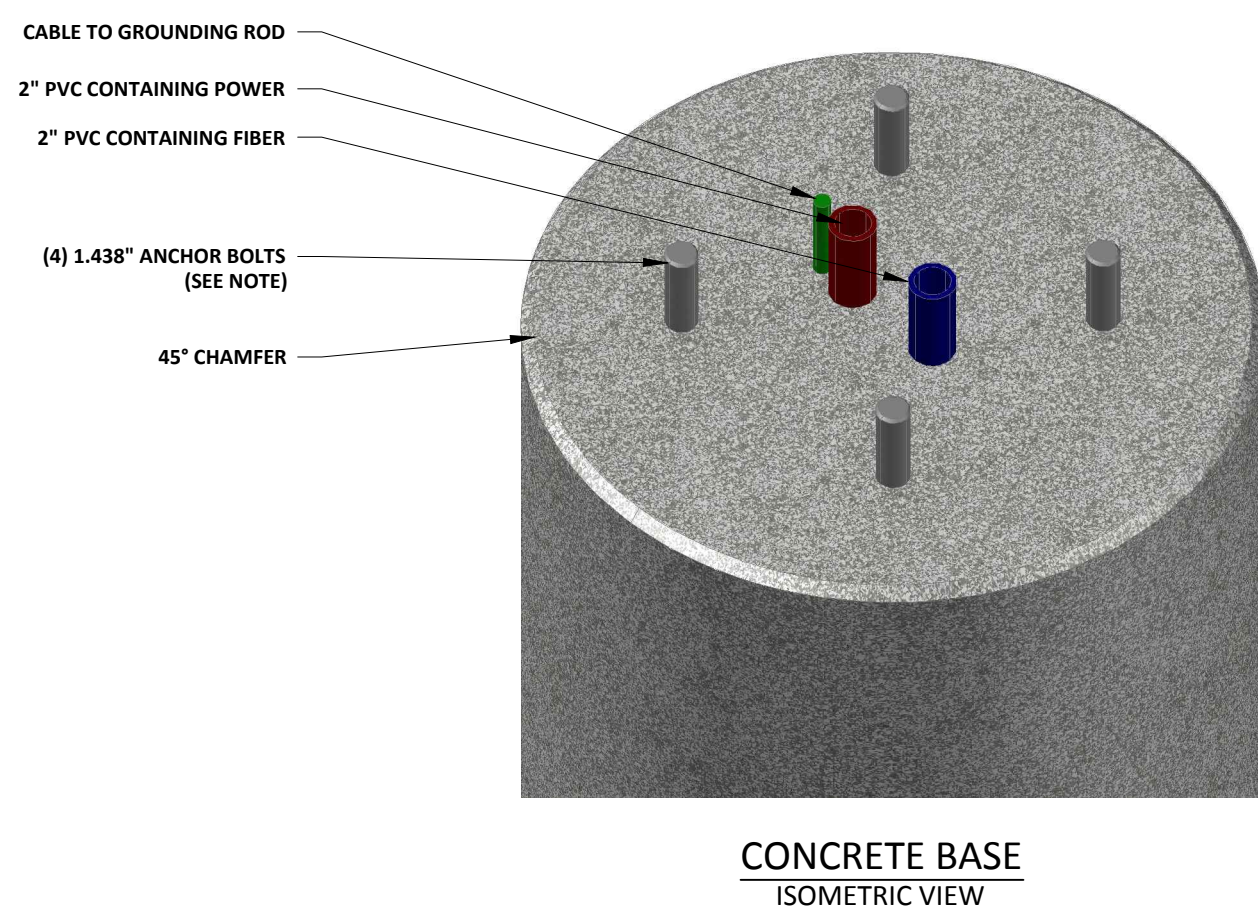
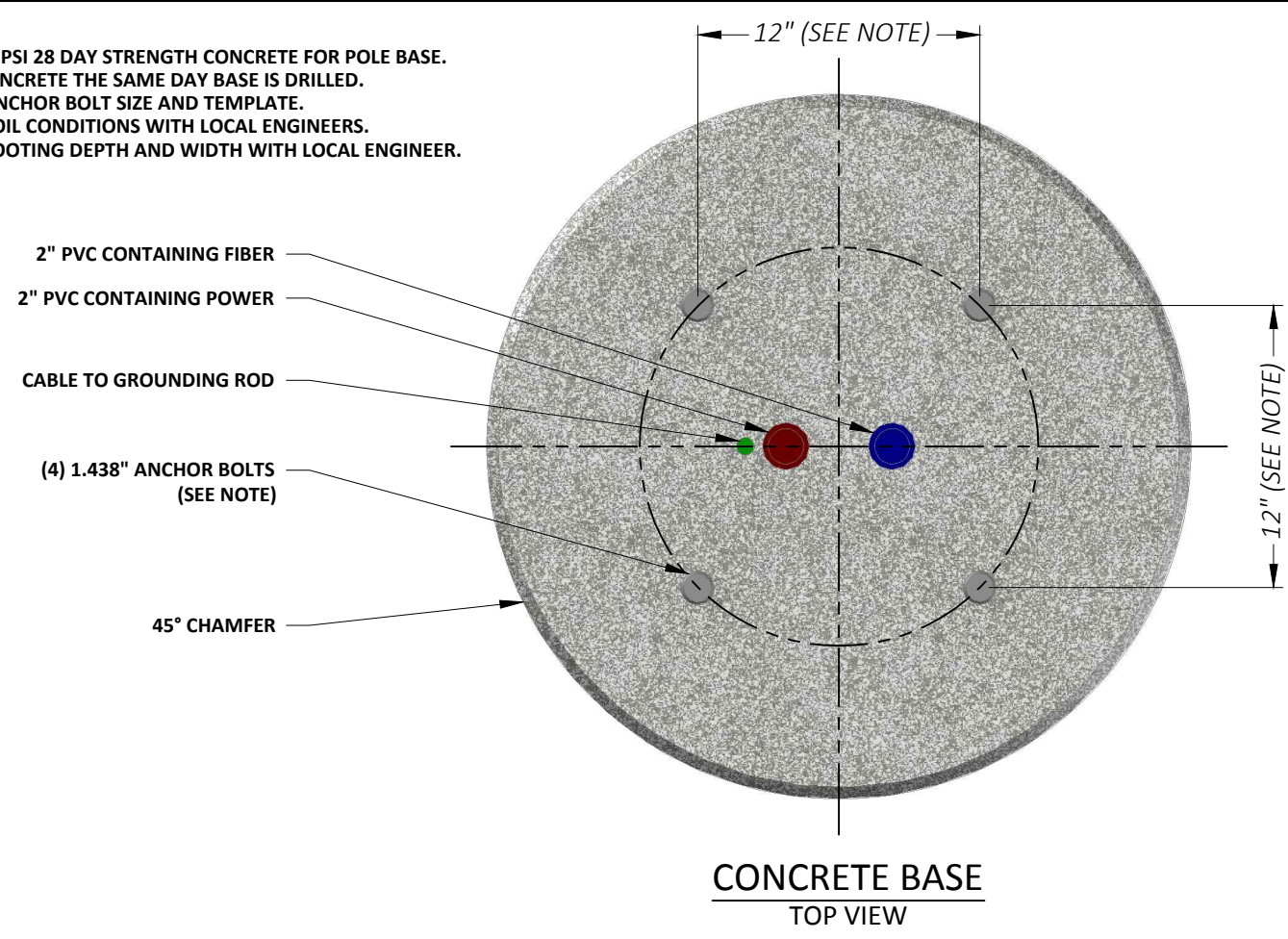
FIBERTECH SMALL CELL
PTS3010 REMOTE ACCESS
DC-DISCONNECT DETAILS

REVISIONS		
REV	DESCRIPTION	DATE

DRAFTER: AAV	3
SCALE: NTS	
ISSUE DATE: 12/22/14	
INDEX NAME:	
SHEET #: 3 OF 4	



- NOTE:**
1. USE 3000 PSI 28 DAY STRENGTH CONCRETE FOR POLE BASE.
 2. PLACE CONCRETE THE SAME DAY BASE IS DRILLED.
 3. VERIFY ANCHOR BOLT SIZE AND TEMPLATE.
 4. VERIFY SOIL CONDITIONS WITH LOCAL ENGINEERS.
 5. VERIFY FOOTING DEPTH AND WIDTH WITH LOCAL ENGINEER.



LOCATION:

NOTES:

PREPARED FOR:



PREPARED BY:



**FIBERTECH SMALL CELL
PROPOSED CONCRETE
BASE DETAIL**

REVISIONS		
REV	DESCRIPTION	DATE

DRAFTER: AAV	4
SCALE: AS NOTED	
ISSUE DATE: 12/22/14	
INDEX NAME:	
SHEET #: 4 OF 4	