

ISSUE	REVISION	DATE
<div><div></div><div>A</div></div>	ISSUED FOR OWNER'S REVIEW	04/11/16
<div><div></div><div>B</div></div>	REVISED PER VERIZON'S COMMENTS	04/28/16
<div><div></div><div>0</div></div>	ISSUED FOR CONSTRUCTION	06/27/16
<div><div></div><div>1</div></div>	REVISED PER TOWN OF HUNTERSVILLE COMMENTS	07/28/17
<div><div></div><div>2</div></div>	REVISED PER TOWN OF HUNTERSVILLE COMMENTS – 2	08/28/17

A PROJECT FOR:

BERKLEY GROUP LLC

SPECIAL USE PERMIT FOR A CELL TOWER
EPM #: 377075

BASE TRANSCEIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13359 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

DIRECTIONS:
FROM CHARLOTTE, NC: START OUT GOING NORTHEAST ON
S. CALDWELL ST. TOWARD E. TRADE ST. CONTINUE FOR
APPROX. 0.7 MILES. MERGE ONTO NC-16 N./BROOKSHIRE
FWY. W. VIA THE RAMP ON THE LEFT. CONTINUE FOR
APPROX. 1.3 MILES. MERGE ONTO I-77 N. VIA EXIT 5A
TOWARD I-85 N./STATESVILLE. CONTINUE FOR APPROX. 4.7
MILES. TAKE SUNSET RD. W. , EXIT 16B. CONTINUE FOR
APPROX. 0.3 MILES. MERGE ONTO SUNSET RD. CONTINUE
FOR APPROX. 0.6 MILES. TURN RIGHT ONTO BEATTIES FORD
RD. CONTINUE FOR APPROX. 7.8 MILES. END AT 13345
BEATTIES FORD RD., CHARLOTTE, NC.



VICINITY MAP



PROPERTY OWNER:
THE CHARLOTTE–MECKLENBURG
BOARD OF EDUCATION
600 E. 4TH STREET
FIFTH FLOOR
CHARLOTTE, NC 28202

PARCEL ID #:
01308105

SURVEYOR:
SANDERS SURVEYING AND
MAPPING SERVICES, INC.
510 AVENA ROAD
BLACK MOUNTAIN, NC 28711

SITE INFORMATION:

APPLICANT:
BERKLEY GROUP LLC
10612–D PROVIDENCE ROAD, PMB 742
CHARLOTTE, NC 28277
BONNIE NEWELL – PROJECT MANAGER
TEL: (704) 907–7104

POWER:
DUKE ENERGY
(800) 777–9898

TELCO:
TIME WARNER (FOR VERIZON)
(866) 489–2669

TOWER INFORMATION:
PROPOSED 160' MONOPOLE
LATITUDE: 35° 23' 52.45" N
LONGITUDE: 80° 55' 38.37" W
GROUND ELEVATION: 713.0'

ZONING INFORMATION:
JURISDICTION: TOWN OF HUNTERSVILLE
PLANNING DEPARTMENT
(704) 875–7000
CLASSIFICATION: R – RURAL AND CRITICAL
AREA 3 OF THE MOUNTAIN ISLAND LAKE
WATERSHED DISTRICT
OCCUPANCY: SCHOOL
PROPOSED USE: COMMERCIAL
COMMUNICATION TOWER

BUILDING INSPECTIONS:
MECKLENBURG COUNTY CODE ENFORCEMENT
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
(704) 814–0435

NOTE:
THIS COMMERCIAL SITE PLAN IS DEPENDENT ON
THE APPROVAL OF SUP17–03. ALL CONDITIONS
AND REQUIREMENTS OF THE SUP APPLY.

ACOS ENGINEERING, Inc.
3 Marcus Drive
Greenville, SC 29615
Ph. (864) 288-0553
Fax. (864) 288-0559

NC FIRM LICENSE NUMBER: C-2484



DRAWING INDEX

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SPECIAL INSPECTIONS

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1

SPECIAL USE PERMIT FOR A CELL TOWER

ISSUE	REVISION	DATE
△	ISSUED FOR OWNER'S REVIEW	04/11/18
△	ISSUED FOR OWNER'S REVIEW	04/11/18
△	ISSUED FOR CONSTRUCTION	06/28/18
△	ISSUED FOR CONSTRUCTION	06/28/18
△	REUSED PER TOWN OF HUNTERSVILLE COMMENTS	07/28/17
△		
△		
△		
△		

SHEET NUMBER:

2012 APPENDIX B
BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Bradley Middle School Base Transceiver Telecommunications site
Address: 13359 BEATTIES FORD ROAD, CHARLOTTE, NC Zip Code: 28078
Proposed Use: Cellular Communications Tower Site
Owner/Authorized Agent: BERKLEY GROUP - Bonnie Newell Phone # (704) 907-2104
E-Mail: b_newell@berkleygroup.net
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☒ City ☐ County ☐ State

PROJECT SUMMARY
Building description: 10,000 Sq. Ft. lease area for telecommunications tower site with proposed Monopole tower, share link fence with green privacy slats, concrete pad for Verizon equipment. Power and telco on 20' poles.

Scope of work details: (If phased construction, please see plan submittal guidelines.) Site will consist of a 27'x110' fenced compound area with an access road, a 160' Light Pole tower and associated foundation, and concrete pad for Verizon equipment will be constructed. Electrical and Telco services will be installed.

Code Compliance Summary:

Alternative Means of Compliance Request:

☐ Industrial equipment with declaration document attached. [See www.Meckpermit.com (Electrical Services)]

☐ RTAP (Revisions to approved plans. [See www.Meckpermit.com (Commercial Plan Review Services)]

☐ Date of Preliminary Review

LEAD DESIGN PROFESSIONAL:

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural					
Civil	AC&S Engineering, Inc.	Theresa Aldrich	029239 (864)	288-0553	terry.aldrich@acs-es.com
Electrical	Sturkie & Assoc., Inc. PC	Chris Sturkie	024170 (864)	365-4855	sturkieengineering@charter.net
Fire Alarm					
Plumbing					
Mechanical					
Sprinkler-Standpipe					
Structural	ISE Incorporated	Glen L. Hunt, III	39675	(602) 403-8614	glenhunt@ise-inc.biz
Retaining Walls >5' High					
Other					

2012 EDITION OF NC CODE FOR: ☒ New Construction ☐ Addition ☐ Upfit

EXISTING: ☐ Reconstruction ☐ Alteration ☐ Repair ☐ Renovation

CONSTRUCTED: (date) _____ ORIGINAL USE(S) (Ch. 3): _____

RENOVATED: (date) _____ CURRENT USE(S) (Ch. 3): _____

PROPOSED USE(S) (Ch. 3): _____

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PERCENTAGE OF WALL OPENING CALCULATIONS - N/A

THIS SECTION FOR ADDITIONS, NEW CONSTRUCTION AND CHANGE OF USE

Allowable openings per T105.8

WALL LEGENDS - N/A

THIS SECTION REQUIRED TO BE COMPLETED FOR ALL PROJECTS

CHECK IF THE FOLLOWING ARE PRESENT AND INDICATED BY A WALL LEGEND ON ALL PLANS

☐ Fire Walls 706 ☐ Fire Barriers 707 ☐ Shaft Enclosures 708 ☐ Fire Partitions 709 ☐ Smoke Barriers 710 ☐ Smoke Partitions 711

LIFE SAFETY SYSTEM REQUIREMENTS - N/A
THIS SECTION IS REQUIRED TO BE COMPLETED FOR ALL PROJECTS

Emergency Lighting: (S1006) ☒ No ☐ Yes
Exit Signs: (S1011) ☒ No ☐ Yes
Fire Alarm: (S907, NFPA 72-07) ☒ No ☐ Yes
Smoke Detection Systems: (S907) ☒ No ☐ Yes ☐ Partial
Panic Hardware: (S1008.1.10) ☒ No ☐ Yes
Life safety systems generator: (S2702.2) ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS - N/A

Life Safety Plan Sheet #: _____

- ☐ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
- ☐ Existing structures within 30' of the proposed building
- ☐ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.1)
- ☐ Occupant loads for each area
- ☐ Exit access travel distances (1016)
- ☐ Common path of travel distances (1014.3 & 1028.8)
- ☐ Dead end lengths (1018.4)
- ☐ Clear exit widths for each exit door
- ☐ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.1)
- ☐ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- ☐ Location of doors with panic hardware (1008.1.10)
- ☐ Location of doors with delayed egress locks and the amount of delay (1008.1.9.7)
- ☐ Location of doors with electromagnetic egress locks (1008.1.9.8)
- ☐ Location of doors equipped with hold-open devices
- ☐ Location of emergency escape windows (1029)
- ☐ The square footage of each fire area (902)
- ☐ The square footage of each smoke compartment (457.4)
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

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Building Code: ☒ 2012 North Carolina State Building Code (NCSBC)
☐ 2009 NC Rehab Code ☐ 2012 Chapter 34 (attach summary)
☐ 1999 Existing Building Code Vol. 9

New Building: ☐ New building ☐ Shell building
☐ First time interior completion (upfit)
☐ Addition

Existing Building: ☐ Change of use/occupancy
☐ Building/tenant space interior completion (renovation)

Please see 3411 NCSBC for compliance for Accessibility for Existing Buildings. A letter from the designer will be required to be attached or reproduced on the plans to verify how compliance will be achieved.

☐ Year of construction _____ ☐ Original use _____

☐ 2009 NC REHAB CODE INFORMATION: N/A Scope of work / work area must be listed and delineated on the plans.

Check all that apply: ☐ Repair ☐ Renovation ☐ Alteration ☐ Reconstruction ☐ Change of use ☐ Addition

☐ Last known legal occupancy use _____ Historic Property: Yes ☐ No ☒

Original Building Construction Date: _____ Date of Preliminary Meeting _____

Justifications for using the REHAB code: _____

Reviewers Notes for Field Inspector:

BASIC BUILDING DATA - N/A

Construction Type: ☒ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☐ II-B ☐ III-B ☐ V-B

Sprinklers: ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D

Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry

Fire District: ☐ No ☐ Yes (Primary) Flood Hazard Area: ☐ No ☐ Yes

Building Height (feet): _____ N/A No building in this project

Gross Building Area: N/A

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
0 th Floor			
5 th Floor			
4 th Floor			
3 rd Floor			
2 nd Floor			
Mezzanine			
1 st Floor			
Basement			
TOTAL			

ALLOWABLE AREA - N/A

Occupancy: ☐ Assembly (303) ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5

☐ Business (304) ☐ Educational (305)

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Factory (306) ☐ F-1 Moderate ☐ F-2 Low
Hazardous (307) ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM:
Institutional (308) ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile (309) ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Residential (310) ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
Storage (311) ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous (312) ☒

Accessory Occupancies: N/A

Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐ Educational ☐ F-1 Moderate ☐ F-2 Low
Factory ☐ Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Mercantile ☐ Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
Utility and Miscellaneous ☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage

Incidental Uses (Table 508.2.5):

- ☐ Furnace room where any piece of equipment is over 400,000 Btu per hour input
- ☐ Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower
- ☐ Refrigerant machine room
- ☐ Hydrogen cutoff rooms, not classified as Group H
- ☐ Incinerator rooms
- ☐ Paint shops, not classified as Group H, located in occupancies other than Group F
- ☐ Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy
- ☐ Laundry rooms over 100 square feet
- ☐ Group I-3 cells equipped with padded surfaces
- ☐ Group I-2 waste and linen collection rooms
- ☐ Waste and linen collection rooms over 100 square feet
- ☐ Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies
- ☐ Rooms containing fire pumps
- ☐ Group I-2 storage rooms over 100 square feet
- ☐ Group I-2 commercial kitchens
- ☐ Group I-2 laundries equal to or less than 100 square feet
- ☐ Group I-2 rooms or spaces that contain fuel-fired heating equipment

Special Uses: ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412
☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424
☐ 425 ☐ 426 ☐ 427

Special Provisions: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9

Mixed Occupancy:

☒ No ☐ Yes Separation: _____ Hr. Exception: _____

☐ Incidental Use Separation (508.2.5)

This separation is not exempt as a Non-Separated Use (see exceptions).

☐ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

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☐ Separated Use (508.4) - See below for area calculations

For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1:

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$
$$\text{N/A} + \text{N/A} + \dots = \text{N/A} \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BUILD AREA PER STORY (ACTUAL)	(B) TALENT AREA	(C) AREA FOR FRONTAGE INCREASE	(D) AREA FOR SPRINKLER INCREASE	(E) ALLOWABLE AREA OR UNLIMITED	(F) MAXIMUM BUILDING AREA

¹ Frontage area increases from Section 506.2 are computed thus:

- a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (P)
- b. Total Building Perimeter = _____ (P)
- c. Ratio (P/P) = _____ (P/P)
- d. W = Minimum width of public way = _____ (W)
- e. Percent of frontage increase $I_1 = 100 [(P/P) \times 0.25] \times W/30 = \dots (\%)$

² The sprinkler increase per Section 506.3 is as follows:

- a. Multi-story building $I_1 = 200$ percent
- b. Single story building $I_1 = 300$ percent

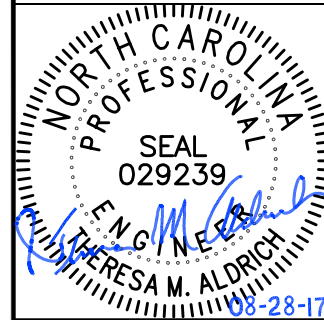
³ Unlimited area applicable under conditions of Section 507.

⁴ Maximum Building Area = total number of stories in the building x 6 (506.4).

⁵ The maximum area of open parking garages must comply with Table 406.35. The maximum area of air traffic control towers must comply with Table 412.1.2.

ALLOWABLE HEIGHT N/A

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type _____	Type _____	Type _____	Type _____
Building Height in Feet	Feet = H + 29' w _____			
Building Height in Stories	Stories = 1 = _____			



BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13359 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP, INC.

SPECIAL USE PERMIT FOR A CELL TOWER
EPW # 377075

DATE	REVISION	ISSUE
04/17/16	ISSUED FOR OWNER'S REVIEW	
04/28/16	REVISED PER OWNER'S COMMENTS	
07/28/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS	
08/28/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS - 2	

PROJECT NUMBER:

14049.013

SHEET CONTENTS:

BUILDING CODE
APPENDIX B

(SHEET 1 OF 2)

SHEET NUMBER:

G2

NOTES:

1. NORTH CAROLINA GRID AND DISTANCES ARE GROUND UNLESS OTHERWISE SHOWN OR NOTED. COORDINATES ARE ON NORTH GRID (NAD 83) AND THE VERTICAL DATUM IS (NAVD 88).
2. GRID COORDINATES SHOWN WERE OBTAINED FROM USE OF GPS OBSERVATION, USING A TOPCON HIPER-V SURVEY GRADE RECEIVER (DUAL FREQUENCY) UTILIZING GNSS VRS RTK TECHNIQUES AND/OR STATIC DATA SOLUTIONS VIA NGS OPUS.
3. ALL IPS ARE 5/8" IRON REBAR UNLESS OTHERWISE NOTED.
4. THE RATIO OF PRECISION OF THE UNBALANCED TRAVERSE MEETS OR EXCEEDS 1 : 10,000.
5. THE FEATURE SYMBOL LOCATIONS ARE TO THE CENTER OF THE SYMBOL AND MAY BE ENLARGED FOR CLARITY.
6. THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS MADE AVAILABLE AND PROVIDED TO THE UNDERSIGNED SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THE UNDERSIGNED DOES STATE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE AND PROVIDED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
7. THE UNDERSIGNED, DOES NOT WARRANT THE EXISTENCE OR NONEXISTENCE OF ANY HAZARDOUS WASTE ON THE SURVEY SITE.
8. THE UNDERSIGNED DOES NOT WARRANT THE EXISTENCE OR NONEXISTENCE OF ANY JURISDICTIONAL WETLANDS ON THE SURVEY SITE OTHER THAN SHOWN, IF ANY. WETLANDS SHOWN ARE SUBJECT TO FINAL APPROVAL BY THE U.S. CORPS. OF ENGINEERS.
9. THIS PLAT WAS PREPARED AS A PROFESSIONAL SERVICE FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS, OR ENTITY NAMED WITHIN THE HEREON STATEMENT AND/OR TITLE. SAID STATEMENT DOES NOT EXTEND TO ANY UNNAMED PERSON, PERSONS OR ENTITY WITHOUT THE EXPRESSED PERMISSION OF AC&S, NAMING SAID PERSON, PERSONS, OR ENTITY.
10. AREA COMPUTED BY DMD METHOD.
11. THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.
12. IT IS THE EXPRESSED INTENT THAT THE ACCESS, UTILITY AND MAINTENANCE EASEMENT SHOWN ON THIS SURVEY IS TO MEET AND ABUT AND BE CONTIGUOUS WITH BOTH THE LEASE AREA AND THE PUBLIC ACCESS OR PUBLIC RIGHT OF WAY WITHOUT ANY GAPS OR OVERLAPS.
13. ZONING NOTES:

THE PREMISES ARE IN AN R ZONING DISTRICT UNDER THE APPLICABLE ZONING ORDINANCE OF THE TOWN OF HUNTERVILLE, WHICH DISTRICT ALLOWS THE CURRENT USE OF THE IMPROVEMENTS LOCATED ON THE PREMISES. THE FOLLOWING OVERLAY DISTRICTS INCLUDE THE PREMISES. TOWER IS LOCATED IN THE CRITICAL AREA OF THE MOUNTAIN ISLAND LAKE WATERSHED DISTRICT.

THE FOLLOWING PROVISIONS OF ZONING ORDINANCE APPLY TO THE PREMISES:

MINIMUM BUILDING SETBACKS:

FRONT YARD SETBACK - 25'
SIDE YARD SETBACK - 12'
REAR YARD SETBACK - 25'

MINIMUM TOWER SETBACKS:

SETBACK FROM RESIDENTIAL OR MIXED USE DISTRICT - 200'
SETBACK FROM PUBLIC RIGHT-OF-WAY - 500'

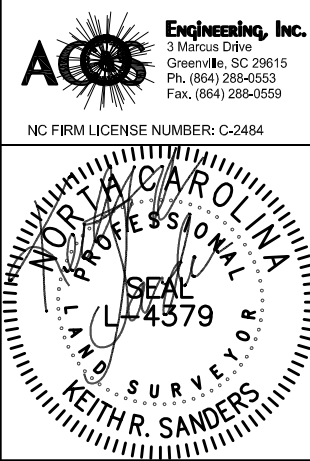
NOTE:

FINAL PLAT WILL BE RECORDED SHOWING ALL APPROVED EASEMENTS/TREE SAVE ETC PRIOR TO FINAL INSPECTION OF THE TOWER.

NOTES:

1. ONLY ONE TOWER WILL BE BUILT ON THIS PROPERTY.
2. THE CLOSEST COMMERCIAL TOWER IS APPROXIMATELY 1.4 MILES NORTHEAST OF THE PROPOSED TOWER.
3. TOWER IS DESIGNED TO SUPPORT 4 CARRIERS.

VICINITY MAP (NTS)



SANDERS SURVEYING & MAPPING SERVICES, INC.
510 AVENUE ROAD,
BLACK MOUNTAIN,
NORTH CAROLINA, 28711
(828) 669-2777
C-2384

BASE TRANSCREIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13389 BEATTIES FORD ROAD
HUNTERVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP, LLC

SPECIAL USE PERMIT FOR A CELL TOWER
EPW # 377075

LEGEND

BEARING & DISTANCE (BY DEED OR PLAT)	LINE SURVEYED	STORM DRAIN LINE
R/W	LINE NOT SURVEYED	SANITARY SEWER LINE
	R/W (RIGHT-OF-WAY)	CREEK OR DITCH
	CHAIN LINK FENCE LINE	P.O.C. POINT OF COMMENCEMENT
	POWER OR UTILITY POLE	P.O.B. POINT OF BEGINNING
	OVERHEAD ELECTRIC LINE	N/F NOW OR FORMERLY
	TELEPHONE PEDESTAL	TM TAX MAP
	IRON PIN FOUND	DB DEED BOOK
	IRON PIN SET (5/8" REBAR, U.N.O.)	PB PLAT BOOK
	RIGHT-OF-WAY MONUMENT	RCP REINFORCED CONCRETE PIPE
	GPS POINT	M MAPLE
	TEMPORARY BENCH MARK	O OAK
	STORM DRAIN MANHOLE	P PINE
	SANITARY SEWER MANHOLE	

I, KEITH R. SANDERS, A REGISTERED LAND SURVEYOR, CERTIFY THAT THIS IS A TRUE, COMPLETE, AND CORRECT SURVEY OF THE DESCRIBED REAL PROPERTY SITUATED IN TOWN OF HUNTERVILLE, MECKLENBURG COUNTY, NORTH CAROLINA; THAT THIS PLAT WAS DRAWN UNDER MY DIRECT SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN THE MECKLENBURG COUNTY REGISTRY (SEE REFERENCES); THAT THE RATIO OF PRECISION AS CALCULATED IS 1 : 10,000; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED.

FLOOD ZONE
PROPERTY IS IN FLOOD ZONE "X"
ZONE "X" - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN
PER FEMA FIRM NORTH CAROLINA
MAP NUMBER 3710462000K
PANEL 4620
EFFECTIVE DATE SEPTEMBER 2, 2015

	GPS CONTROL POINTS
1	N: 605,322.31' E: 1,425,583.37' ELEV.: 714' LAT: 35° 23' 52.47" N LONG: 80° 55' 39.53" W
2	N: 605,391.64' E: 1,425,815.79' ELEV.: 713' LAT: 35° 23' 53.20" N LONG: 80° 55' 36.74" W

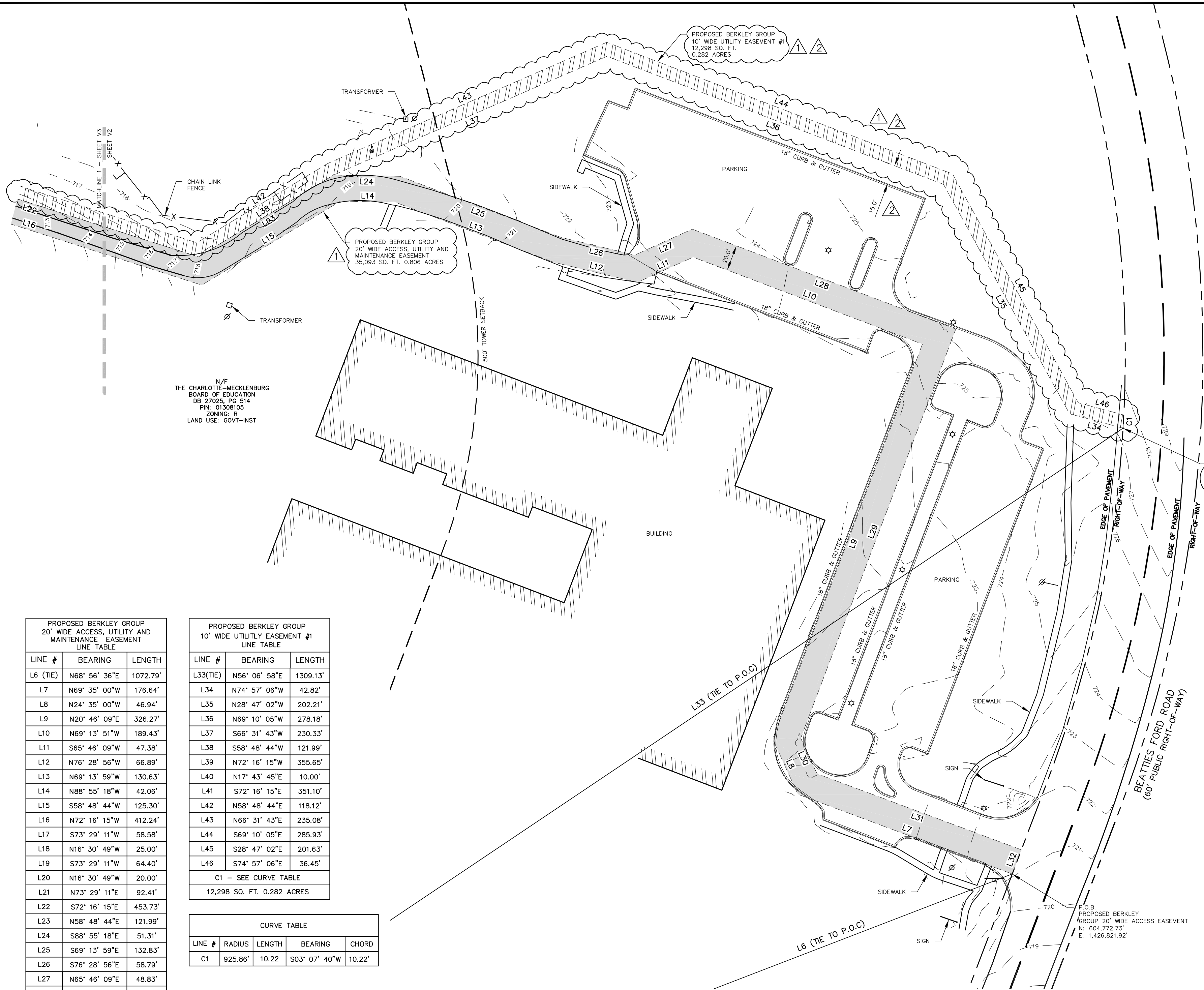
BERKLEY GROUP
SITE NAME "BRADLEY MIDDLE SCHOOL"
PARTY CHIEF: D. LINDSEY
DATE SURVEYED: 11/03/15
DRAWN BY: J. GARY
OWNER: THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION
P.O. BOX 30035
CHARLOTTE, NC 28230
PROPERTY ADDRESS: 13345 BEATTIES FORD RD.
HUNTERVILLE, NC 28078
DEED BOOK 27025, PAGE 514
TM #: 01308105
MECKLENBURG COUNTY, NORTH CAROLINA

0 200' 400' 600'
GRAPHIC SCALE: 1" = 200'

SITE SURVEY

SHEET NUMBER:

V1



LEGEND

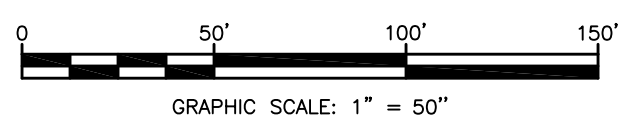
BEARING & DISTANCE (BY DEED OR PLAT)	LINE SURVEYED
R/W	LINE NOT SURVEYED
1	R/W (RIGHT-OF-WAY)
2	CHAIN LINK FENCE LINE
3	POWER OR UTILITY POLE
4	OVERHEAD ELECTRIC LINE
5	TELEPHONE PEDESTAL
6	IRON PIN FOUND
7	IRON PIN SET (5/8" REBAR, U.N.O.)
8	RIGHT-OF-WAY MONUMENT
9	GPS POINT
10	TEMPORARY BENCH MARK
11	CREEK OR DITCH
12	P.O.C. POINT OF COMMENCEMENT
13	P.O.B. POINT OF BEGINNING
14	N/F NOW OR FORMERLY
15	TM TAX MAP
16	DB DEED BOOK
17	PB PLAT BOOK
18	RCP REINFORCED CONCRETE PIPE
19	M MAPLE
20	O OAK
21	P PINE

N/F
THE CHARLOTTE-MECKLENBURG
BOARD OF EDUCATION
DB 27025, PG 514
PIN: 01308105
ZONING: R
LAND USE: GOVT-INST

PROPOSED BERKLEY GROUP 20' WIDE ACCESS, UTILITY AND MAINTENANCE EASEMENT LINE TABLE		
LINE #	BEARING	LENGTH
L6 (TIE)	N68° 56' 36"E	1072.79'
L7	N69° 35' 00"W	176.64'
L8	N24° 35' 00"W	46.94'
L9	N20° 46' 09"E	326.27'
L10	N69° 13' 51"W	189.43'
L11	S65° 46' 09"W	47.38'
L12	N76° 28' 56"W	66.89'
L13	N69° 13' 59"W	130.63'
L14	N88° 55' 18"W	42.06'
L15	S58° 48' 44"W	125.30'
L16	N72° 16' 15"W	412.24'
L17	S73° 29' 11"W	58.58'
L18	N16° 30' 49"W	25.00'
L19	S73° 29' 11"W	64.40'
L20	N16° 30' 49"W	20.00'
L21	N73° 29' 11"E	92.41'
L22	S72° 16' 15"E	453.73'
L23	N58° 48' 44"E	121.99'
L24	S88° 55' 18"E	51.31'
L25	S69° 13' 59"E	132.83'
L26	S76° 28' 56"E	58.79'
L27	N65° 46' 09"E	48.83'
L28	S69° 13' 51"E	217.72'
L29	S20° 46' 09"W	337.91'
L30	S24° 35' 00"E	30.29'
L31	S69° 35' 00"E	168.47'
L32	S20° 44' 16"W	20.00'
35,093 SQ. FT.; 0.806 ACRES		

PROPOSED BERKLEY GROUP 10' WIDE UTILITY EASEMENT #1 LINE TABLE		
LINE #	BEARING	LENGTH
L33(TIE)	N56° 06' 58"E	1309.13'
L34	N74° 57' 06"W	42.82'
L35	N28° 47' 02"W	202.21'
L36	N69° 10' 05"W	278.18'
L37	S66° 31' 43"W	230.33'
L38	S58° 48' 44"W	121.99'
L39	N72° 16' 15"W	355.65'
L40	N17° 43' 45"E	10.00'
L41	S72° 16' 15"E	351.10'
L42	N58° 48' 44"E	118.12'
L43	N66° 31' 43"E	235.08'
L44	S69° 10' 05"E	285.93'
L45	S28° 47' 02"E	201.63'
L46	S74° 57' 06"E	36.45'
C1 - SEE CURVE TABLE		
12,298 SQ. FT. 0.282 ACRES		

CURVE TABLE				
LINE #	RADIUS	LENGTH	BEARING	CHORD
C1	925.86'	10.22	S03° 07' 40"W	10.22'



Engineering, Inc.
13 Marcus Drive
Greenville, SC 29615
Ph: (864) 288-0553
Fax: (864) 288-0559

NC FIRM LICENSE NUMBER: C-2484

SANDERS SURVEYING & MAPPING SERVICES, INC.
510 AVENA ROAD,
BLACK MOUNTAIN,
NORTH CAROLINA, 28711
(828) 669-2777
C-2384

BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13389 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

DATE: 04/11/16
ISSUED FOR OWNER'S REVIEW
REVISION: 04/29/16
REVISION: 07/28/17
REVISION: 08/28/17

PROJECT NUMBER:
14049.013
SHEET CONTENTS:
SITE SURVEY
SHEET NUMBER:
V2

ALTA COMMITMENT

INVESTORS TITLE INSURANCE COMPANY

COMMITMENT NUMBER: 201500697CA2
DATE OF POLICY: 10-09-15

SCHEDULE B - SECTION 2

ANY POLICY WE ISSUE WILL HAVE THE FOLLOWING EXCEPTIONS UNLESS THEY ARE TAKEN CARE OF TO OUR SATISFACTION.

- NOTE: THE ABOVE MENTIONED PROPERTY IS TAX EXEMPT. (NOT A SURVEY MATTER)
- LOSS OR DAMAGE RESULTING FROM FAILURE TO COMPLY WITH THE TERMS AND PROVISIONS OF LEASE SET FORTH UNDER SCHEDULE A HEREOF, CREATING THE LEASEHOLD ESTATE INSURED. (NOT A SURVEY MATTER)
- SUBJECT TO THE FEE SIMPLE INTEREST OF THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION. (NOT A SURVEY MATTER)
- TITLE TO THAT PORTION OF THE LAND WITHIN THE RIGHT-OF-WAY OF BEATTIES FORD ROAD AND JIM KIDD ROAD.
- EASEMENT(S) AND /OF RIGHT(S) OF WAY TO CORNELIUS MUTUAL CORPORATION RECORDED IN BOOK 1527 AT PAGE 159. (BLANKET IN NATURE)
- RIGHT OF WAY AGREEMENT IN FAVOR OF THE STATE HIGHWAY COMMISSION RECORDED IN BOOK 2410 AT PAGE 352. (AFFECTS PARENT PARCEL, JIM KIDD ROAD RIGHT OF WAY SHOWN ON SURVEY)
- EASEMENT (S) AND/OF RIGHT (S) OF WAY TO BELLSOUTH TELECOMMUNICATIONS, INC. RECORDED IN BOOK 21313 AT PAGE 892. (AFFECTS PARENT PARCEL, BELL SOUTH EASEMENT SHOWN ON SURVEY)
- SITE OWNERSHIP, AGENCY AND MASTER LEASE INTERLOCAL AGREEMENT RECORDED IN BOOK 23360 AT PAGE 552. (NOT A SURVEY MATTER)
- TITLE TO THAT PORTION OF THE LAND WITHIN THE RIGHT-OF-WAY OF BEATTIES FORD ROAD AND JIM KIDD ROAD.. (BEATTIES FORD RD. AND JIM KIDD RD. ROW SHOWN ON SURVEY)
- ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AND ACCURATE AND COMPLETE LAND SURVEY OF THE LAND. THE TERM "ENCROACHMENT" INCLUDES ENCROACHMENTS OF EXISTING IMPROVEMENTS.

LOCATED ON THE LAND ONTO ADJOINING LAND, AND ENCROACHMENTS ONTO THE LAND OF EXISTING IMPROVEMENTS LOCATED ON ADJOINING LAND. PARAGRAPH 2 (C) OF THE COVERED RISKS IS HEREBY DELETED. NOTE: UPON RECEIPT OF SATISFACTORY PLAT OF SURVEY AND SURVEYOR'S REPORT, THIS EXCEPTION WILL BE ELIMINATED OR AMENDED IN ACCORDANCE WITH THE FACTS DISCLOSED THEREBY.

NO INSURED CLOSING PROTECTION COVERAGE PROVIDED - AS TO THE TRANSACTION FOR WHICH THIS BINDER AND/OR POLICY IS ISSUED, THE COMPANY SPECIFICALLY EXCLUDES THIS TRANSACTION FROM ANY CLOSING PROTECTION SERVICES.

THE FOLLOWING ENDORSEMENT, IN THE FORM ATTACHED HERETO, IS ADDED TO THE OWNER'S POLICY:

(A) ALTA ENDORSEMENT FORM 13-06 (LEASEHOLD)

PARENT PARCEL:
LEGAL DESCRIPTION PER TITLE COMMITMENT

BEING ALL OF MECKLENBURG COUNTY TAX PARCEL # 013-08-105 AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A PK NAIL SET, SAID PK NAIL BEING SOUTH 10° 37' 54" EAST 102.41 FEET FROM THE POINT OF INTERSECTION OF THE CENTERLINE OF THE BEATTIES FORD ROAD (STATE ROAD 2128) 60-FOOT PUBLIC RIGHT-OF-WAY AND THE CENTERLINE OF BUD HENDERSON ROAD (STATE ROAD 2131), SAID PK NAIL BEING ALSO LOCATED AT A CORNER OF THAT CERTAIN PROPERTY OWNED BY JAMES A. CANIPE (NOW OR FORMERLY) AS DESCRIBED IN THAT INSTRUMENT RECORDED IN BOOK 4604, PAGE 0661, MECKLENBURG COUNTY PUBLIC REGISTRY (THE "CANIPE PROPERTY"); THENCE FROM SAID BEGINNING POINT, RUNNING WITH THE CENTERLINE OF THE BEATTIES FORD ROAD 60-FOOT PUBLIC RIGHT-OF-WAY THE FOLLOWING FOUR COURSES AND DISTANCES: (1) SOUTH 10° 15' 39" EAST 1001.57 FEET TO A SET PK NAIL; (2) WITH THE ARC OF A CIRCULAR CURVE TO THE RIGHT HAVING A RADIUS OF 955.86 FEET, AN ARC LENGTH OF 589.60 FEET, SAID ARC BEING SUBTENDED BY A CHORD HAVING A BEARING AND DISTANCE OF SOUTH 07° 24' 35" WEST 580.30 FEET TO A SET PK NAIL; (3) SOUTH 25° 04' 50" WEST 428.29 FEET TO A SET PK NAIL; (4) WITH THE ARC OF A CIRCULAR CURVE TO THE LEFT HAVING A RADIUS OF 677.31 FEET, AN ARC LENGTH OF 124.85 FEET, SAID ARC BEING SUBTENDED BY A CHORD HAVING A BEARING AND DISTANCE OF SOUTH 19° 47' 58" WEST 124.68 FEET TO AN EXISTING PK NAIL, SAID EXISTING PK NAIL BEING LOCATED AT THE POINT OF INTERSECTION OF THE CENTERLINE OF THE BEATTIES FORD ROAD 60-FOOT PUBLIC RIGHT-OF-WAY AND THE JIM KIDD ROAD (SR 2129) 60-FOOT PUBLIC RIGHT-OF-WAY; THENCE WITH THE CENTER LINE OF THE JIM KIDD ROAD 60-FOOT PUBLIC RIGHT-OF-WAY THE FOLLOWING TWO COURSES AND DISTANCES: (1) NORTH 88° 33' 21" WEST 638.58 FEET TO A SET PK NAIL; (2) WITH THE ARC OF A CIRCULAR CURVE TO THE RIGHT HAVING A RADIUS OF 527.20 FEET, AN ARC LENGTH OF 195.32 FEET, SAID ARC BEING SUBTENDED BY A CHORD HAVING A BEARING AND DISTANCE OF NORTH 75° 56' 33" WEST 194.20 FEET TO A SET PK NAIL; THENCE LEAVING THE CENTERLINE OF THE JIM KIDD ROAD 60-FOOT PUBLIC RIGHT-OF-WAY AND RUNNING WITH AN EASTERN BOUNDARY LINE OF THAT CERTAIN PROPERTY OWNED BY ROBERT J. HUBBARD (NOW OR FORMERLY) AS DESCRIBED IN THAT INSTRUMENT RECORDED IN DEED BOOK 0614, PAGE 199, AFORESAID REGISTRY NORTH 35° 00' 07" WEST 491.80 FEET (PASSING AN EXISTING AXLE IN 1-3/4 INCH IRON PIPE AT 42.84 FEET AND A SET CONCRETE MONUMENT AT 65.87 FEET) TO AN EXISTING CONCRETE MONUMENT; THENCE WITH AN EASTERN BOUNDARY LINE OF THAT PROPERTY OWNED BY W. EDWARD CAUTHEN, JR. (NOW OR FORMERLY) AS DESCRIBED IN THAT INSTRUMENT RECORDED IN DEED BOOK 6285, PAGE 503, AFORESAID (THE "CAUTHEN PROPERTY") THE FOLLOWING TWO COURSES AND DISTANCES: (1) NORTH 18° 22' 48" WEST 348.99 FEET TO AN EXISTING #5 REBAR; (2) NORTH 12° 42' 59" WEST 935.35 FEET TO AN EXISTING CONCRETE MONUMENT, SAID EXISTING CONCRETE MONUMENT BEING LOCATED IN A COMMON CORNER OF THE CAUTHEN PROPERTY AND THE CANIPE PROPERTY SAID EXISTING CONCRETE MONUMENT BEING ALSO LOCATED NORTH 78° 03' 14" EAST 499.43 FEET FROM EXISTING #4 REBAR, THENCE WITH A SOUTHERN BOUNDARY LINE OF THE CANIPE PROPERTY NORTH 77° 47' 08" EAST 1579.80 FEET (PASSING A SET CONCRETE MONUMENT IN THE WESTERLY MARGIN OF THE BEATTIES FORD ROAD 60-FOOT PUBLIC RIGHT-OF-WAY AT 1549.78 FEET) TO A PK NAIL SET, THE POINT OR PLACE OF BEGINNING AND CONTAINING 61.3784 ACRES, MORE OR LESS, ALL AS SHOWN ON THAT MAP ENTITLED "BOUNDARY SURVEY OF HAL McDONALD HEIRS PROPERTY FOR CHARLOTTE-MECKLENBURG SCHOOLS" PREPARED BY TIMOTHY A. RUDOLPH (RLS NO. 2686) OF ESP ASSOCIATES, P.A., DATED JUNE 19, 1996, LAST REVISED JULY 22, 1996, REFERENCE TO WHICH SURVEY IS HEREBY MADE FOR A MORE PARTICULAR DESCRIPTION.

LESS AND EXCEPTING THE FOLLOWING:

TO FIND THE TRUE POINT AND PLACE OF BEGINNING, COMMENCE AT A FOUND CONCRETE MONUMENT IN THE RIGHT OF WAY OF BEATTIES FORD ROAD AT THE SOUTH EASTERLY CORNER OF THAT PROPERTY ACQUIRED BY MECKLENBURG COUNTY BY DEED RECORDED IN BOOK 12666 AT PAGE 462, SAID CONCRETE MONUMENT ALSO BEING THE NORTH EASTERLY CORNER OF THAT PROPERTY ACQUIRED BY THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION BY DEED RECORDED IN BOOK 8781 AT PAGE 720; THENCE WITH THE COMMON PROPERTY LINE OF THE AFORESAID MECKLENBURG COUNTY PROPERTY AND THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION PROPERTY S. 77-47-08 W. 1092.07 FEET TO A POINT, SAID POINT BEING THE TRUE POINT AND PLACE OF BEGINNING; THENCE WITH A NEW LINE S. 12-12-52 E. 110.00 FEET TO A POINT; THENCE S. 77-47-08 W. 150.00 FEET TO A POINT; THENCE N. 12-12-52 W. 110.00 FEET TO A POINT ON THE COMMON LINE BETWEEN THE PROPERTY OWNED BY MECKLENBURG COUNTY AND THE PROPERTY OWNED BY THE CHARLOTTE-MECKLENBURG BOARD OF EDUCATION, THENCE WITH SAID COMMON PROPERTY LINE N. 77-47-08 E. 150.00 FEET TO THE POINT AND PLACE OF BEGINNING, CONTAINING 16,500 SQUARE FEET, MORE OR LESS, AS SHOWN ON THAT CERTAIN UNDATED SURVEY PREPARED BY MICHAEL F. ULANEY OF DELTA LAND SERVICES, INC.

PROPOSED BERKLEY GROUP 71'-5"x140' LEASE AREA
LEGAL DESCRIPTION PER SURVEYOR:

ALL THAT LOT, TRACT OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE STATE OF NORTH CAROLINA, COUNTY OF MECKLENBURG, TOWN OF HUNTERSVILLE CONSISTING OF 0.230 ACRES, BEING A PORTION OF PARCEL NOW OR FORMERLY OWNED BY CHARLOTTE-MECKLENBURG BOARD OF EDUCATION, AS DESCRIBED IN DEED BOOK 27025 PAGE 514, AND SHOWN AS PROPOSED BERKLEY GROUP LEASE AREA ON THAT CERTAIN SURVEY TITLED SITE SURVEY, SHEETS V1-V4, PREPARED BY AC&S ENGINEERING, DATE OF SURVEY 11/03/15, LAST REVISED 07/28/17, METES AND BOUNDS MORE PARTICULARLY AS FOLLOWS:

COMMENCING AT A CONCRETE MONUMENT FOUND LOCATED ON SOUTHWESTERN BOUNDARY LINE OF SAID CHARLOTTE-MECKLENBURG BOARD OF EDUCATION PROPERTY, ALSO BEING A COMMON CORNER WITH PAUL R. AND TARA E. WARNER PROPERTY, AS RECORDED IN DEED BOOK 28907, PAGE 272, ALSO LOCATED ON NORTHERN RIGHT-OF-WAY OF JIM KIDD ROAD (60' PUBLIC RIGHT-OF-WAY), HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 604,387.28'; E: 1,425,820.77'. THENCE RUNNING ALONG A TIE LINE N 12°41'38" W, A DISTANCE OF 886.64 FEET TO A 5/8" REBAR SET ON THE SOUTH WEST CORNER OF PROPOSED BERKLEY GROUP 71'-5"x140' LEASE AREA, HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 605,252.26'; E: 1,425,625.94', THIS POINT BEING THE POINT OF BEGINNING:

THENCE RUNNING N 16°30'49" W, A DISTANCE OF 71.43 FEET TO A 5/8" REBAR SET ON THE NORTH WEST CORNER OF SAID LEASE AREA;
THENCE N 73°29'11" E, A DISTANCE OF 140.00 FEET TO A 5/8" REBAR SET ON THE NORTH EAST CORNER OF SAID LEASE AREA;
THENCE S 16°30'49" E, A DISTANCE OF 71.43 FEET TO A 5/8" REBAR SET ON THE SOUTH EAST CORNER OF SAID LEASE AREA;

THENCE S 73°29'11" W, A DISTANCE OF 140 FEET TO THE POINT OF BEGINNING.

THIS PROPOSED BERKLEY GROUP LEASE AREA TO CONTAIN 10,000 SQ. FT. OR 0.230 ACRES MORE OR LESS.

PROPOSED BERKLEY GROUP ACCESS, UTILITY AND MAINTENANCE EASEMENT
LEGAL DESCRIPTION PER SURVEYOR:

ALL THAT LOT, TRACT OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE STATE OF NORTH CAROLINA, COUNTY OF MECKLENBURG, TOWN OF HUNTERSVILLE CONSISTING OF 0.806 ACRES, BEING A PORTION OF PARCEL NOW OR FORMERLY OWNED BY CHARLOTTE-MECKLENBURG BOARD OF EDUCATION, AS DESCRIBED IN DEED BOOK 27025 PAGE 514, AND SHOWN AS PROPOSED BERKLEY GROUP 20' WIDE ACCESS, UTILITY AND MAINTENANCE EASEMENT ON THAT CERTAIN SURVEY TITLED SITE SURVEY, SHEETS V1-V4, PREPARED BY AC&S ENGINEERING, DATE OF SURVEY 11/03/15, LAST REVISED 07/28/17, METES AND BOUNDS MORE PARTICULARLY AS FOLLOWS:

COMMENCING AT A CONCRETE MONUMENT FOUND LOCATED ON SOUTHWESTERN BOUNDARY LINE OF SAID CHARLOTTE-MECKLENBURG BOARD OF EDUCATION PROPERTY, ALSO BEING A COMMON CORNER WITH PAUL R. AND TARA E. WARNER PROPERTY, AS RECORDED IN DEED BOOK 28907, PAGE 272, ALSO LOCATED AT NORTHERN RIGHT-OF-WAY OF JIM KIDD ROAD (60' PUBLIC RIGHT-OF-WAY), HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 604,387.28'; E: 1,425,820.77'. THENCE RUNNING ALONG A TIE LINE N 68°56'36" E, A DISTANCE OF 1072.79 FEET TO A POINT ON WESTERN RIGHT-OF-WAY OF BEATTIES FORD ROAD (60' PUBLIC RIGHT-OF-WAY), HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 604,772.73'; E: 1,426,821.92', THIS POINT BEING THE POINT OF BEGINNING:

THENCE LEAVING SAID RIGHT-OF-WAY AND RUNNING ALONG SOUTHERN LINES OF SAID ACCESS EASEMENT N 69°35'00" W, A DISTANCE OF 176.64 FEET TO A POINT;
THENCE N 24°35'00" W, A DISTANCE OF 46.94 FEET TO A POINT;
THENCE N 20°46'09" E, A DISTANCE OF 326.27 FEET TO A POINT;
THENCE N 69°13'51" W, A DISTANCE OF 189.43 FEET TO A POINT;
THENCE S 65°46'09" W, A DISTANCE OF 47.38 FEET TO A POINT;
THENCE N 76°28'56" W, A DISTANCE OF 66.89 FEET TO A POINT;
THENCE N 69°13'59" W, A DISTANCE OF 130.63 FEET TO A POINT;
THENCE N 89°55'18" W, A DISTANCE OF 42.06 FEET TO A POINT;
THENCE S 58°48'44" W, A DISTANCE OF 125.30 FEET TO A POINT;
THENCE N 72°16'15" W, A DISTANCE OF 412.24 FEET TO A POINT;
THENCE S 73°29'11" W, A DISTANCE OF 58.58 FEET TO A POINT ON THE EASTERN LINE OF PROPOSED BERKLEY GROUP LEASE AREA;
THENCE ALONG SAID EASTERN LINE OF LEASE AREA N 16°30'49" W, A DISTANCE OF 25.00 FEET TO A 5/8" REBAR SET ON NORTH EAST CORNER OF SAID LEASE AREA;
THENCE ALONG NORTHERN LINE OF SAID LEASE AREA S 73°29'11" W, A DISTANCE OF 64.40 FEET TO A POINT;
THENCE LEAVING COMMON LINE WITH SAID LEASE AREA AND RUNNING WITH NORTHERN LINES OF SAID ACCESS EASEMENT N 16°30'49" W, A DISTANCE OF 20.00 FEET TO A POINT;
THENCE N 73°29'11" E, A DISTANCE OF 92.41 FEET TO A POINT;
THENCE S 72°16'15" E, A DISTANCE OF 453.73 FEET TO A POINT;
THENCE N 58°48'44" E, A DISTANCE OF 121.99 FEET TO A POINT;
THENCE S 88°55'18" E, A DISTANCE OF 51.31 FEET TO A POINT;
THENCE S 69°13'59" E, A DISTANCE OF 132.63 FEET TO A POINT;
THENCE S 76°28'56" E, A DISTANCE OF 58.79 FEET TO A POINT;
THENCE N 65°46'09" E, A DISTANCE OF 48.83 FEET TO A POINT;
THENCE S 69°13'51" E, A DISTANCE OF 217.72 FEET TO A POINT;
THENCE S 20°46'09" W, A DISTANCE OF 337.91 FEET TO A POINT;
THENCE S 24°35'00" E, A DISTANCE OF 30.29 FEET TO A POINT;
THENCE S 69°35'00" E, A DISTANCE OF 168.47 FEET TO A POINT;
THENCE S 20°44'16" W, A DISTANCE OF 20.00 FEET TO THE POINT OF BEGINNING.

THIS PROPOSED BERKLEY GROUP 20' WIDE ACCESS, UTILITY AND MAINTENANCE EASEMENT TO CONTAIN 35,093 SQ. FT., 0.806 ACRE MORE OR LESS.

PROPOSED BERKLEY GROUP UTILITY EASEMENT #1
LEGAL DESCRIPTION PER SURVEYOR:

ALL THAT LOT, TRACT OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE STATE OF NORTH CAROLINA, COUNTY OF MECKLENBURG, TOWN OF HUNTERSVILLE CONSISTING OF 0.282 ACRES, BEING A PORTION OF PARCEL NOW OR FORMERLY OWNED BY CHARLOTTE-MECKLENBURG BOARD OF EDUCATION, AS DESCRIBED IN DEED BOOK 27025 PAGE 514, AND SHOWN AS PROPOSED BERKLEY GROUP 10' WIDE UTILITY EASEMENT #1 ON THAT CERTAIN SURVEY TITLED SITE SURVEY, SHEETS V1-V4, PREPARED BY AC&S ENGINEERING, DATE OF SURVEY 11/03/15, LAST REVISED 08/14/17, METES AND BOUNDS MORE PARTICULARLY AS FOLLOWS:

COMMENCING AT A CONCRETE MONUMENT FOUND LOCATED ON SOUTHWESTERN BOUNDARY LINE OF SAID CHARLOTTE-MECKLENBURG BOARD OF EDUCATION PROPERTY, ALSO BEING A COMMON CORNER WITH PAUL R. AND TARA E. WARNER PROPERTY, AS RECORDED IN DEED BOOK 28907, PAGE 272, ALSO LOCATED AT NORTHERN RIGHT-OF-WAY OF JIM KIDD ROAD (60' PUBLIC RIGHT-OF-WAY), HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 604,387.28'; E: 1,425,820.77'. THENCE RUNNING ALONG A TIE LINE N 56°06'58" E, A DISTANCE OF 1309.13 FEET TO A POINT ON WESTERN RIGHT-OF-WAY OF BEATTIES FORD ROAD (60' PUBLIC RIGHT-OF-WAY), HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 605,117.14'; E: 1,426,907.57', THIS POINT BEING THE POINT OF BEGINNING:

THENCE LEAVING SAID RIGHT-OF-WAY AND RUNNING WITH SOUTHERN LINES OF SAID UTILITY EASEMENT #1 N 74°57'06" W, A DISTANCE OF 42.82 FEET TO A POINT;
THENCE N 28°47'02" W, A DISTANCE OF 202.21 FEET TO A POINT;
THENCE N 69°10'05" W, A DISTANCE OF 278.18 FEET TO A POINT;
THENCE S 66°31'43" W, A DISTANCE OF 230.33 FEET TO A COMMON POINT WITH PROPOSED BERKLEY GROUP 20' WIDE ACCESS, UTILITY AND MAINTENANCE EASEMENT;
THENCE ALONG COMMON LINE WITH SAID ACCESS EASEMENT S 58°48'44" W, A DISTANCE OF 121.99 FEET TO A POINT;
THENCE N 72°16'15" W, A DISTANCE OF 355.65 FEET TO A POINT;
THENCE LEAVING COMMON LINE WITH SAID ACCESS EASEMENT AND RUNNING N 17°43'45" E, A DISTANCE OF 10.00 FEET TO A POINT;
THENCE N 72°16'15" E, A DISTANCE OF 351.10 FEET TO A POINT;
THENCE N 58°48'44" W, A DISTANCE OF 118.12 FEET TO A POINT;
THENCE N 66°31'43" E, A DISTANCE OF 235.08 FEET TO A POINT;
THENCE S 69°10'05" E, A DISTANCE OF 285.93 FEET TO A POINT;
THENCE S 28°47'02" E, A DISTANCE OF 201.63 FEET TO A POINT;
THENCE S 74°57'06" E, A DISTANCE OF 36.45 FEET TO A POINT ON WESTERN RIGHT-OF-WAY OF BEATTIES FORD ROAD (60' PUBLIC RIGHT-OF-WAY);
THENCE ALONG SAID RIGHT-OF-WAY, ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 925.86 FEET, A CURVE LENGTH OF 10.22 FEET, A CHORD BEARING AND DISTANCE OF S 03°07'40" W, 10.22 FEET TO THE POINT OF BEGINNING.

THIS PROPOSED BERKLEY GROUP 10' WIDE UTILITY EASEMENT #1 TO CONTAIN 12,298 SQ. FT., 0.282 ACRE MORE OR LESS.

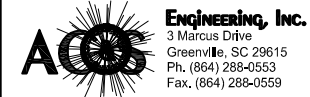
PROPOSED BERKLEY GROUP UTILITY EASEMENT #2
LEGAL DESCRIPTION PER SURVEYOR:

ALL THAT LOT, TRACT OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE STATE OF NORTH CAROLINA, COUNTY OF MECKLENBURG, TOWN OF HUNTERSVILLE CONSISTING OF 0.015 ACRES, BEING A PORTION OF PARCEL NOW OR FORMERLY OWNED BY CHARLOTTE-MECKLENBURG BOARD OF EDUCATION, AS DESCRIBED IN DEED BOOK 27025 PAGE 514, AND SHOWN AS PROPOSED BERKLEY GROUP 10' WIDE UTILITY EASEMENT #2 ON THAT CERTAIN SURVEY TITLED SITE SURVEY, SHEETS V1-V4, PREPARED BY AC&S ENGINEERING, DATE OF SURVEY 11/03/15, LAST REVISED 07/28/17, METES AND BOUNDS MORE PARTICULARLY AS FOLLOWS:

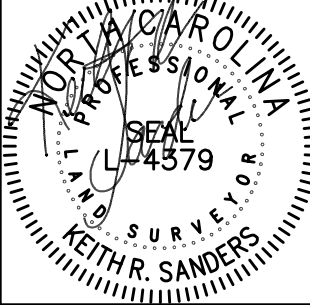
COMMENCING AT A CONCRETE MONUMENT FOUND LOCATED ON SOUTHWESTERN BOUNDARY LINE OF SAID CHARLOTTE-MECKLENBURG BOARD OF EDUCATION PROPERTY, ALSO BEING A COMMON CORNER WITH PAUL R. AND TARA E. WARNER PROPERTY, AS RECORDED IN DEED BOOK 28907, PAGE 272, ALSO LOCATED AT NORTHERN RIGHT-OF-WAY OF JIM KIDD ROAD (60' PUBLIC RIGHT-OF-WAY), HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 604,387.28'; E: 1,425,820.77'. THENCE RUNNING ALONG A TIE LINE N 02°04'43" E, A DISTANCE OF 939.52 FEET TO A POINT ON SOUTH EAST CORNER OF SAID 10' WIDE UTILITY EASEMENT #2, HAVING A NORTH CAROLINA STATE PLANE COORDINATES (NAD 83) N: 605,326.19' E: 1,425,854.85', THIS POINT BEING THE POINT OF BEGINNING:

THENCE ALONG SOUTHERN LINE OF SAID UTILITY EASEMENT #2 N 72°16'15" W, A DISTANCE OF 72.18 FEET TO A POINT ON SOUTHERN LINE OF PROPOSED BERKLEY GROUP 20' WIDE ACCESS, UTILITY AND MAINTENANCE EASEMENT;
THENCE ALONG COMMON LINE WITH ACCESS EASEMENT N 73°29'11" E, A DISTANCE OF 17.77 FEET TO A POINT;
THENCE S 72°16'15" E, A DISTANCE OF 57.49 TO A POINT;
THENCE LEAVING SAID COMMON LINE WITH ACCESS EASEMENT S 17°43'45" W, A DISTANCE OF 10.00 FEET TO THE POINT OF BEGINNING.

THIS PROPOSED BERKLEY GROUP 10' WIDE UTILITY EASEMENT #2 TO CONTAIN 648 SQ. FT., 0.015 ACRE MORE OR LESS.



NC FIRM LICENSE NUMBER: C-2484



SANDERS SURVEYING & MAPPING SERVICES, INC.
510 AVENUE ROAD,
BLACK MOUNTAIN,
NORTH CAROLINA, 28711
(828) 669-2777
C-2384

BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13360 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP LLC
SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

ISSUE	REVISION	DATE
1	ISSUED FOR OWNER'S REVIEW	04/11/16
2	REVISED PER SURVEYOR'S COMMENTS	04/29/16
3	REVISED PER TOWN OF HUNTERSVILLE COMMENTS	07/28/17
4	REVISED PER TOWN OF HUNTERSVILLE COMMENTS - 2	08/28/17

PROJECT NUMBER:
14049.013
SHEET CONTENTS:

SITE SURVEY

SHEET NUMBER:

NOTES:

- NORTH CAROLINA GRID AND DISTANCES ARE GROUND UNLESS OTHERWISE SHOWN OR NOTED. COORDINATES ARE ON NORTH GRID (NAD 83) AND THE VERTICAL DATUM IS (NAVD 88).
- GRID COORDINATES SHOWN WERE OBTAINED FROM USE OF GPS OBSERVATION, USING A TOPCON HIPER-V SURVEY GRADE RECEIVER (DUAL FREQUENCY) UTILIZING GNSS VRS RTK TECHNIQUES AND/OR STATIC DATA SOLUTIONS VIA NGS OPUS.
- ALL IPS ARE 5/8" IRON REBAR UNLESS OTHERWISE NOTED.
- THE RATIO OF PRECISION OF THE UNBALANCED TRAVERSE MEETS OR EXCEEDS 1 : 10,000.
- THE FEATURE SYMBOL LOCATIONS ARE TO THE CENTER OF THE SYMBOL AND MAY BE ENLARGED FOR CLARITY.
- THE UNDERGROUND UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS MADE AVAILABLE AND PROVIDED TO THE UNDERSIGNED SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THE UNDERSIGNED DOES STATE THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE AND PROVIDED. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- THE UNDERSIGNED, DOES NOT WARRANT THE EXISTENCE OR NONEXISTENCE OF ANY HAZARDOUS WASTE ON THE SURVEY SITE.
- THE UNDERSIGNED DOES NOT WARRANT THE EXISTENCE OR NONEXISTENCE OF ANY JURISDICTIONAL WETLANDS ON THE SURVEY SITE OTHER THAN SHOWN, IF ANY. WETLANDS SHOWN ARE SUBJECT TO FINAL APPROVAL BY THE U.S. CORPS. OF ENGINEERS.
- THIS PLAT WAS PREPARED AS A PROFESSIONAL SERVICE FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS, OR ENTITY NAMED WITHIN THE HEREON STATEMENT AND/OR TITLE. SAID STATEMENT DOES NOT EXTEND TO ANY UNNAMED PERSON, PERSONS OR ENTITY WITHOUT THE EXPRESSED PERMISSION OF AC&S, NAMING SAID PERSON, PERSONS, OR ENTITY.
- AREA COMPUTED BY DMD METHOD.
- THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.
- IT IS THE EXPRESSED INTENT THAT THE ACCESS, UTILITY AND MAINTENANCE EASEMENT SHOWN ON THIS SURVEY IS TO MEET AND ABUT AND BE CONTIGUOUS WITH BOTH THE LEASE AREA AND THE PUBLIC ACCESS OR PUBLIC RIGHT OF WAY WITHOUT ANY GAPS OR OVERLAPS.
- ZONING NOTES:

THE PREMISES ARE IN AN R ZONING DISTRICT UNDER THE APPLICABLE ZONING ORDINANCE OF THE TOWN OF HUNTERSVILLE, WHICH DISTRICT ALLOWS THE CURRENT USE OF THE IMPROVEMENTS LOCATED ON THE PREMISES. THE FOLLOWING OVERLAY DISTRICTS INCLUDE THE PREMISES. TOWER IS LOCATED IN THE CRITICAL AREA OF THE MOUNTAIN ISLAND LAKE WATERSHED DISTRICT.

THE FOLLOWING PROVISIONS OF ZONING ORDINANCE APPLY TO THE PREMISES:

MINIMUM BUILDING SETBACKS:

FRONT YARD SETBACK - 25'
SIDE YARD SETBACK - 12'
REAR YARD SETBACK - 25'

MINIMUM TOWER SETBACKS:

SETBACK FROM RESIDENTIAL OR MIXED USE DISTRICT - 200'
SETBACK FROM PUBLIC RIGHT-OF-WAY - 500'

TOWER INFORMATION:

PROPOSED 160' MONOPOLE
LATITUDE: 35° 23' 52.45" N
LONGITUDE: 80° 55' 38.37" W
GROUND ELEVATION: 713.0'

ZONING INFORMATION:

JURISDICTION: TOWN OF HUNTERSVILLE
PLANNING DEPARTMENT
(704) 875-7000
CLASSIFICATION: R - RURAL AND CRITICAL AREA 3 OF THE MOUNTAIN ISLAND LAKE WATERSHED DISTRICT
OCCUPANCY: SCHOOL
PROPOSED USE: COMMERCIAL COMMUNICATION TOWER

BUILDING INSPECTIONS:

MECKLENBURG COUNTY CODE ENFORCEMENT
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
(704) 814-0435

1

NOTE:
FINAL PLAT WILL BE REQUIRED SHOWING ALL APPROVED EASEMENTS/TREE SAVE ETC PRIOR TO FINAL INSPECTION OF THE TOWER.

NOTES:

- ONLY ONE TOWER WILL BE BUILT ON THIS PROPERTY.
- THE CLOSEST COMMERCIAL TOWER IS APPROXIMATELY 1.4 MILES NORTHEAST OF THE PROPOSED TOWER.
- TOWER IS DESIGNED TO SUPPORT 4 CARRIERS.

1

LEGEND

BEARING & DISTANCE

(BEARING & DISTANCE)
(BY DEED OR PLAT)

R/W

Ø

—OHE—

TEL

PED

ROW

MON

△

⊕

①

⊙

LINE SURVEYED

LINE NOT SURVEYED

R/W (RIGHT-OF-WAY)

CHAIN LINK FENCE LINE

POWER OR UTILITY POLE

OVERHEAD ELECTRIC LINE

TELEPHONE PEDESTAL

IRON PIN FOUND

IRON PIN SET (5/8" REBAR, U.N.O.)

RIGHT-OF-WAY MONUMENT

GPS POINT

TEMPORARY BENCH MARK

STORM DRAIN MANHOLE

SANITARY SEWER MANHOLE

STORM DRAIN LINE

SS

CREEK OR DITCH

P.O.C. POINT OF COMMENCEMENT

P.O.B. POINT OF BEGINNING

N/F NOW OR FORMERLY

TM TAX MAP

DB DEED BOOK

PB PLAT BOOK

RCP REINFORCED CONCRETE PIPE

M MAPLE

O OAK

P PINE

SG SWEETGUM

VICINITY MAP
(NTS)

*TABLE PER REF. DWG. L-3.0 BRADLEY ELEMENTARY SCHOOL BY SITE SOLUTIONS DATED 6/16/07

WATERSHED AND IMPERVIOUS SUMMARY:

WATERSHED DISTRICT:	MOUNTAIN ISLAND LAKE
WATERSHED OVERLAY PROTECTION DISTRICT:	CA-3 AND PA-1
CA-3 ALLOWABLE BUILT-UPON AREA:	(12%)
PA-1 ALLOWABLE BUILT-UPON AREA LOW DENSITY	(24%)
PA-1 ALLOWABLE BUILT-UPON AREA HIGH DENSITY	(70%)

TOTAL SITE AREA:	103.51 AC
PARCEL 'A': (MECK COUNTY PARK AND REC)	42.132 AC
PARCEL 'B': (BOARD OF EDUCATION)	61.378 AC

EXISTING IMPERVIOUS	'PARCEL A'
BUILDING, PARKING, SERVICE AND WALK AREAS	125,300 SF
IMPERVIOUS PERCENTAGE:	6.82 %

EXISTING IMPERVIOUS	'PARCEL B'
BUILDING, PARKING, SERVICE AND WALK AREAS	353,861 SF
IMPERVIOUS PERCENTAGE:	13.23 %

PROPOSED IMPERVIOUS	'PARCEL B'
BUILDING, PARKING, SERVICE AND WALK AREAS	198,365 SF

TOTAL IMPERVIOUS AREA	(COMBINED PARCELS)
TOTAL BUILT-UPON AREA:	677,526 SF
(IMPERVIOUS PERCENTAGE)	15.03 %

TOTAL BUILT-UPON AREA: CA-3	
PARK PARCEL:	125,300
MIDDLE SCHOOL:	66,055
ELEMENTARY SCHOOL:	183,865
	375,220 SF

TOTAL CA-3 AREA = 80.65 AC
TOTAL % BUILT UPON AREA = 10.68 %

TOTAL BUILT-UPON AREA: PA-1	
PARK PARCEL:	0
MIDDLE SCHOOL:	287,806
ELEMENTARY SCHOOL:	14,500
	302,306 SF

TOTAL PA-1 AREA = 22.86 AC
TOTAL % BUILT UPON AREA = 30.36 %

NOTE:

PER THE INSTRUCTION OF TOWN OF HUNTERSVILLE, THE PROPOSED TELECOMMUNICATION SITE BUILT-UPON AREA % WILL BE CALCULATED USING TOTAL CA-3 AREA = 80.65 AC FROM THE ABOVE REFERENCED TABLE.

PROPOSED BUILT-UPON AREA TABLE

TOTAL BUILT-UPON AREA: CA-3	
EXISTING BUILT-UPON AREA:	375,220 SF
(FROM ABOVE REFERENCED TABLE)	
PROPOSED TELECOMM. SITE BUILT UPON AREA:	6,730 SF
TOTAL CA-3 AREA:	80.65 AC
(FROM ABOVE REFERENCED TABLE)	
TOTAL % PROPOSED BUILT-UPON AREA:	10.87 %

0 200' 400' 600'
GRAPHIC SCALE: 1" = 200'

Engineering, Inc.
3130 W. 10th Ave.
Greenville, SC 29615
Ph: (864) 298-0053
Fax: (864) 298-0559

NC FIRM LICENSE NUMBER: C-2484



BASE TRANSCREIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13380 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

Berkley Group, LLC

SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

DATE	06/27/16
REVISION	
ISSUE	
INITIAL ISSUE	07/28/17
REVISED PER TOWN OF HUNTERSVILLE COMMENTS	08/28/17
REVISED PER TOWN OF HUNTERSVILLE COMMENTS - 2	

PROJECT NUMBER:
14049.013
SHEET CONTENTS:

SITE PLAN

SHEET NUMBER:

SP-01



BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13389 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP LLC

SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

ISSUE	REVISION	DATE
△	ISSUED FOR OWNER'S REVIEW	04/11/16
△	REVISED PER OWNER'S COMMENTS	04/29/16
△	REVISED PER TOWN OF HUNTERSVILLE COMMENTS	07/26/17

PROJECT NUMBER:
14049.013

SHEET CONTENTS:

GENERAL NOTES
AND SYMBOLS

SHEET NUMBER:

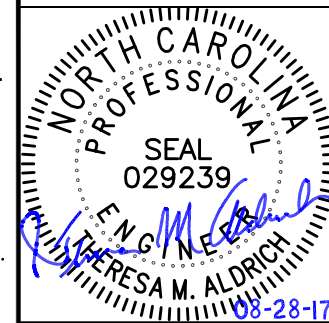
C1

CIVIL SYMBOLS		
EXISTING	ITEM	NEW
	POWER POLE WITH LIGHT	
	LIGHT POLE	
	POWER POLE	
	GUY ANCHOR	
	OVERHEAD ELECTRIC	
	ELECTRIC MANHOLE	
	COMMUNICATIONS MANHOLE	
	UTILITY BOX	
	BUILDING	
	POST	
	SIGN	
	GAS METER	
	GAS VALVE	
	GAS LINE	
	SANITARY SEWER LINE & MANHOLE	
	SANITARY SEWER CLEAN OUT	
	FIRE HYDRANT	
	POST INDICATOR VALVE	
	WATER LINE & VALVE	
	WATER METER	
	FIRE WATER LINE	
	ABANDONED UTILITY	
	CULVERT WITH HEADWALLS	
	STORM DRAIN	
	STORM DRAIN HEADWALL	
	AREA INLET	
	STORM DRAIN MANHOLE	
	Q DRAINAGE DITCH	
	FLOW DIRECTION	
	CONTOURS	
X 712.13	SPOT ELEV.	
	SIDEWALK/GRAVEL	
	CONCRETE PAVING	
	ASPHALT SURFACE COURSE	
	CURB & GUTTER	
	EDGE OF PAVEMENT	
	CHAIN LINK FENCE	
	ITEM TO BE REMOVED	
	PARKING STRIPING / HC PARKING	
	HC RAMP	
	BOLLARD	
	IRON PIN SET	
	WOODS	
	SILT FENCE	

NOTE :
THIS IS A GENERAL LEGEND.
SOME ITEMS MAY NOT APPLY.

GENERAL NOTES

1. THE FACILITY IS AN UNOCCUPIED WIRELESS FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK WILL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS WILL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER AND ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. WRITTEN AUTHORIZATION IS REQUIRED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
5. CONTACT LOCAL DIGGERS HOTLINE 48 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
6. INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
7. ALL WORK PERFORMED AND MATERIALS INSTALLED WILL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. THE CONTRACTOR WILL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
8. THE GENERAL CONTRACTOR WILL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE PROJECT ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.
9. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS WILL BE INCLUDED AS PART OF THE WORK.
10. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLAT OF THE SURVEY DRAWING, WILL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR WILL RELY SOLELY ON THE PLAT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND WILL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE PLAT OF SURVEY. THE CONTRACTOR WILL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.



GENERAL NOTES

- SEE G1 FOR GENERAL ABBREVIATIONS.
- SEE C1 FOR GENERAL NOTES AND SYMBOLS.
- SEE SITE SURVEY FOR LIMITS OF LEASE AREA AND ADDITIONAL SURVEY INFORMATION.
- PARKING FOR SERVICE VEHICLES WILL BE PROVIDED IN THE VEHICLE TURNAROUND AREA.
- AFTER ALL HEAVY TRAFFIC IS COMPLETE (CONCRETE, TRUCKS, TRAILERS, DRILL RIG, ETC.) CONTRACTOR SHALL REPAIR THE ROAD/PARKING AREA AS NECESSARY.

FLOOD INSURANCE RATE MAP
NORTH CAROLINA
3710462000K
PANEL 4620
EFFECTIVE: SEPTEMBER 2, 2015
FLOOD ZONE: X
BFE: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN

BRADLEY MIDDLE SCHOOL
PROPOSED 160' MONOPOLE
LAT. = 35° 23' 52.45" N
LONG. = 80° 55' 38.37" W
SITE EL. = 713.0'

* INFORMATION TAKEN FROM 1A LETTER, PREPARED BY AC&S ENGINEERING, DATED 11/19/15.

BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
BRADLEY SITE NAME: FRANCIS BRADLEY
13389 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

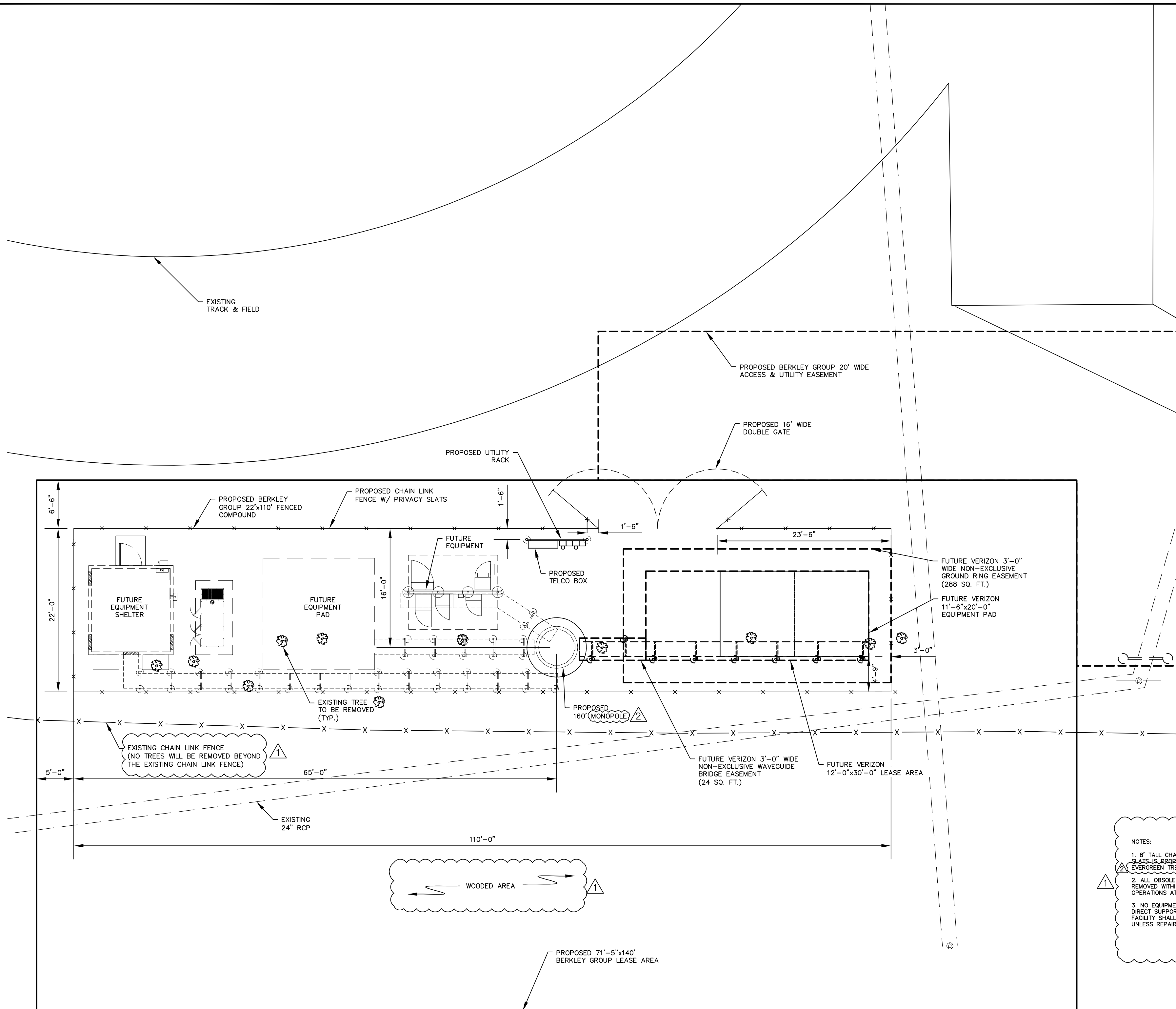
BERKLEY GROUP LLC
SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

DATE	REVISION
04/11/16	ISSUED FOR OWNER'S REVIEW
04/28/16	REVISED PER VERIZON'S COMMENTS
07/28/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS
08/28/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS - 2

PROJECT NUMBER:
14049.013

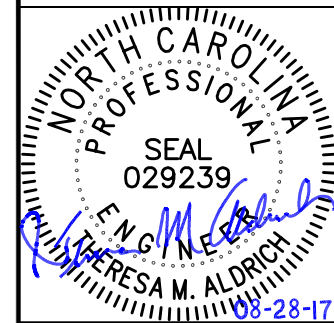
SHEET CONTENTS:
SITE LAYOUT PLAN

SHEET NUMBER:
C2



0 10' 20' 30'
GRAPHIC SCALE: 1" = 10'





BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
BRADLEY SITE NAME: FRANCIS BRADLEY
13389 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP, LLC

SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

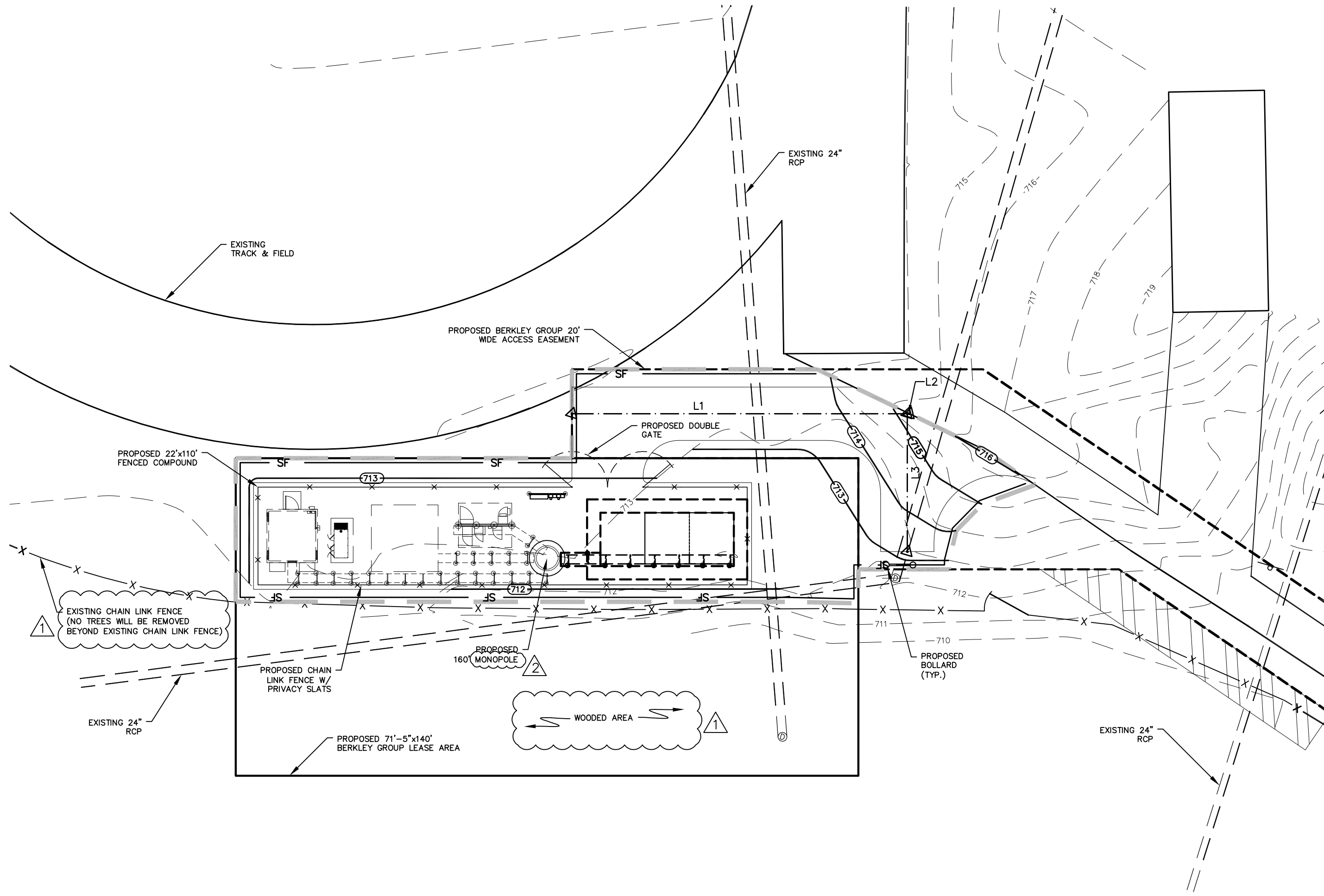
DATE	REVISION
04/11/16	ISSUED FOR OWNER'S REVIEW
04/29/16	REVISED PER OWNER'S COMMENTS
07/28/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS
08/28/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS - 2

PROJECT NUMBER:
14049.013

SHEET CONTENTS:
SITE
GRADING PLAN

SHEET NUMBER:

C3



*TABLE PER REF. DWG. L-3.0 BRADLEY ELEMENTARY SCHOOL BY SITE SOLUTIONS DATED 6/16/07

WATERSHED AND IMPERVIOUS SUMMARY:

WATERSHED DISTRICT:	MOUNTAIN ISLAND LAKE
WATERSHED OVERLAY PROTECTION DISTRICT:	CA-3 AND PA-1
CA-3 ALLOWABLE BUILT-UPON AREA:	(12%)
PA-1 ALLOWABLE BUILT-UPON AREA LOW DENSITY	(24%)
PA-1 ALLOWABLE BUILT-UPON AREA HIGH DENSITY	(70%)
TOTAL SITE AREA:	103.51 AC
PARCEL 'A': (MECK COUNTY PARK AND REC) 42.132 AC	
PARCEL 'B': (BOARD OF EDUCATION) 61.378 AC	
EXISTING IMPERVIOUS 'PARCEL A'	
BUILDING, PARKING, SERVICE AND WALK AREAS	125,300 SF
IMPERVIOUS PERCENTAGE:	6.82 %
EXISTING IMPERVIOUS 'PARCEL B'	
BUILDING, PARKING, SERVICE AND WALK AREAS	353,861 SF
IMPERVIOUS PERCENTAGE:	13.23 %
PROPOSED IMPERVIOUS 'PARCEL B'	
BUILDING, PARKING, SERVICE AND WALK AREAS	198,365 SF
TOTAL IMPERVIOUS AREA (COMBINED PARCELS)	
TOTAL BUILT-UPON AREA:	677,526 SF
(IMPERVIOUS PERCENTAGE)	15.03 %
TOTAL BUILT-UPON AREA: CA-3	
PARK PARCEL:	125,300
MIDDLE SCHOOL:	66,055
ELEMENTARY SCHOOL:	183,865
	375,220 SF
TOTAL CA-3 AREA = 80.65 AC	
TOTAL % BUILT UPON AREA = 10.68 %	
TOTAL BUILT-UPON AREA: PA-1	
PARK PARCEL:	0
MIDDLE SCHOOL:	287,806
ELEMENTARY SCHOOL:	14,500
	302,306 SF
TOTAL PA-1 AREA = 22.86 AC	
TOTAL % BUILT UPON AREA = 30.36 %	

NOTE:
PER THE INSTRUCTION OF TOWN OF HUNTERSVILLE, THE PROPOSED
TELECOMMUNICATION SITE BUILT-UPON AREA % WILL BE CALCULATED USING
TOTAL CA-3 AREA = 80.65 AC FROM THE ABOVE REFERENCED TABLE.

PROPOSED BUILT-UPON AREA TABLE

TOTAL BUILT-UPON AREA: CA-3	
EXISTING BUILT-UPON AREA:	375,220 SF
(FROM ABOVE REFERENCED TABLE)	
PROPOSED TELECOMM. SITE BUILT UPON AREA:	6,730 SF
TOTAL CA-3 AREA:	80.65 AC
(FROM ABOVE REFERENCED TABLE)	
TOTAL % PROPOSED BUILT-UPON AREA:	10.87 %

GENERAL NOTES

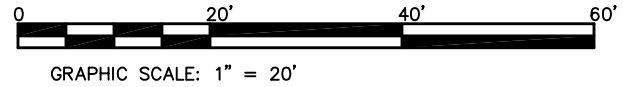
- SEE G1 FOR GENERAL ABBREVIATIONS.
- SEE C1 FOR GENERAL NOTES AND SYMBOLS.
- SEE SITE SURVEY FOR LIMITS OF LEASE AREA AND ADDITIONAL SURVEY INFORMATION.
- DISTURBED AREAS TO BE SEEDED AND MULCHED IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION.

ALL SLOPED GRADES 2:1 OR STEEPER SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER. ALL FILL MATERIAL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 98% OF STANDARD PROCTOR MAXIMUM DRY DENSITY TO BE MONITORED BY A QUALIFIED SOILS TECHNICIAN WORKING UNDER A QUALIFIED GEOTECHNICAL ENGINEER. ALL SLOPES 3:1 OR STEEPER SHALL RECEIVE A CURLEX EROSION CONTROL BLANKET (OR APPROVED EQUAL).

NOTE:
LIMITS OF DISTURBANCE = 0.154 AC

- NOTES:
- 8' TALL CHAIN LINK FENCING WITH GREEN PRIVACY SLATS IS PROPOSED. SEE DRAWING C5. PROPOSED EVERGREEN TREE FOR LANDSCAPING. SEE DRAWING C6.
 - ALL OBSOLETE OR UNUSED FACILITIES MUST BE REMOVED WITHIN 12 MONTHS OF CESSATION OF OPERATIONS AT THE SITE.
 - NO EQUIPMENT, MOBILE OR IMMOBILE, NOT USED IN DIRECT SUPPORT OF THE TRANSMISSION OR RELAY FACILITY SHALL BE STORED OR PARKED ON THE SITE UNLESS REPAIRS TO THE FACILITY ARE BEING MADE.

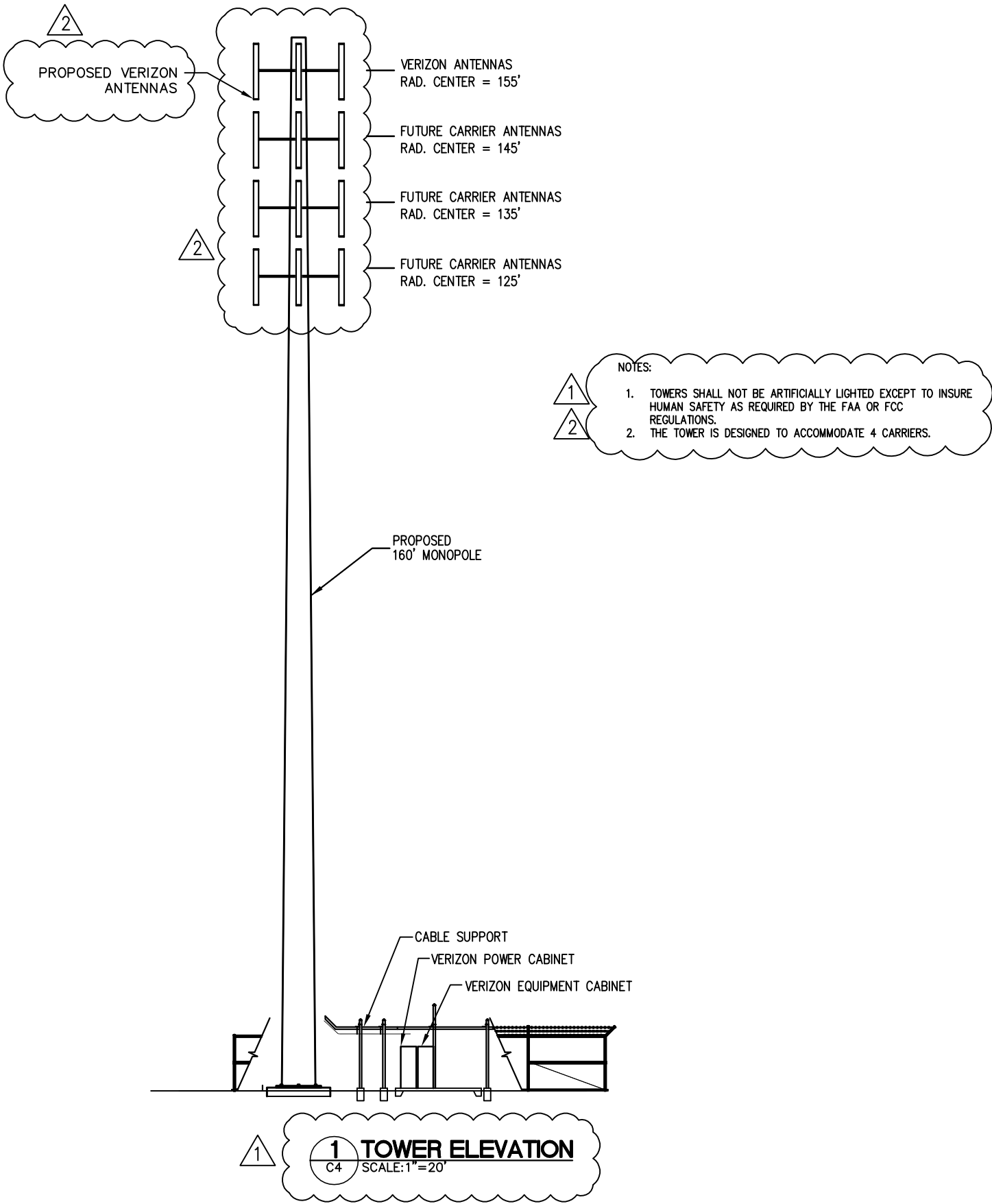
CENTERLINE OF PROPOSED 20' WIDE ACCESS ROAD		
LINE #	BEARING	LENGTH
L1	N73° 29' 11"E	75.40'
L2	N73° 29' 11"E	0.50'
L3	S16° 30' 49"E	31.00'



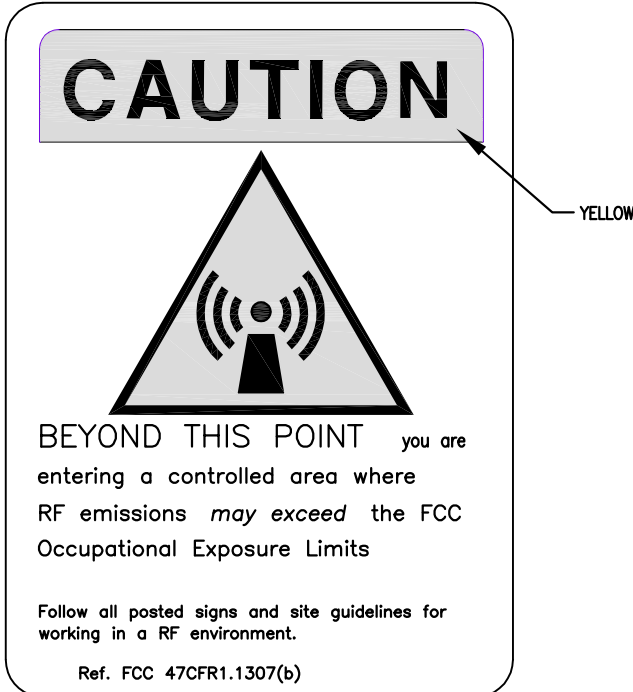
NOTES:

1. ALL LIGHTING MUST COMPLY WITH THE OUTDOOR LIGHTING PROVISIONS FOUND IN SECTION 12.402 OF THE ZONING ORDINANCE.
2. ALL ANTENNA PLACED ON THE TOWER MUST BE ENCASED WITHIN A CANISTER WITH A DIAMETER NO GRATER THEN 12 FEET SO THEY ARE INDESCRIPTIBLE.
3. ALL CANISTERS ON THE TOWER MUST BE THE SAME DIAMETER AND THEY MUST HAVE AN UNDER MOUNT THAT SCREENS THE VIEW OF THE ANTENNA FROM THE GROUND.
4. THE TOWER AND CANISTERS MUST BE PAINTED OR CONSTRUCTED OF A NEUTRAL COLOR THAT BLENDS IN WITH THE SKY.

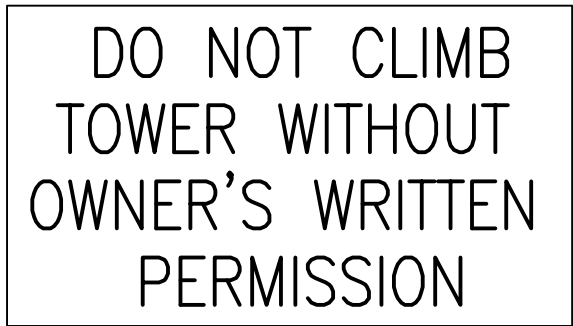
BELOW IS AN EXAMPLE OF AN ACCEPTABLE DESIGN AND COLOR.



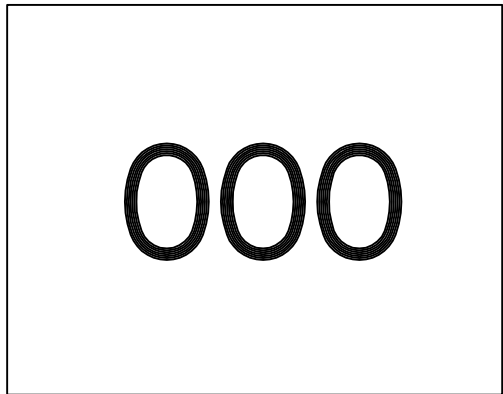
- 1 TOWER OWNER IDENTIFICATION SIGN
- 2 FCC/RF EXPOSURE SIGN
- 3 TOWER CLIMBING SIGN
- 4 STREET ADDRESS SIGN
- 5 INFORMATION RF EXPOSURE SIGN
- 6 TOWER REGISTRATION SIGN



- 2 WHITE/ YELLOW BACKGROUND W/ BLACK LETTERING
QUANTITY: (1)
(TO BE MOUNTED AT EYE LEVEL ON TOWER NEAR SAFETY CLIMB)



- 3 WHITE BACKGROUND W/ RED LETTERING
QUANTITY: (1)
(TO BE MOUNTED AT EYE LEVEL ON TOWER NEAR SAFETY CLIMB)

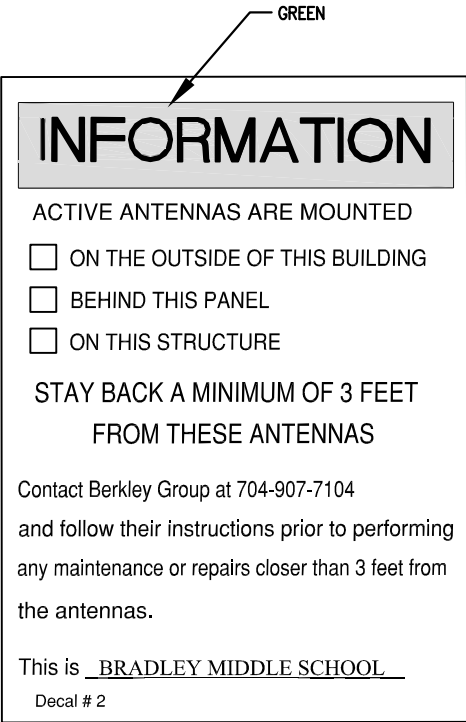


- 4 WHITE BACKGROUND W/ BLACK LETTERING
E911 STREET #
QUANTITY: (1) TYPICAL
(TO BE MOUNTED ON FENCE FOR ALL SITES WHERE THERE IS NO POSTED STREET # SIGN.)

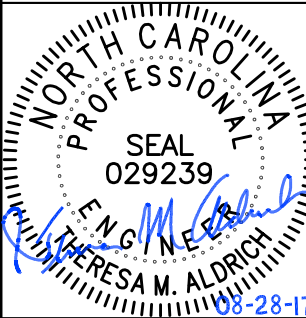
TYPICAL SIGNS AND SPECIFICATIONS



- 6 WHITE BACKGROUND W/ BLACK LETTERING
QUANTITY: (1) TYPICAL
(ONE TO BE MOUNTED ON COMPOUND ACCESS GATE)



- 5 WHITE BACKGROUND W/ BLACK LETTERING
QUANTITY: (1) PER ACCESS GATE
(TO BE MOUNTED ON COMPOUND ACCESS GATE)



BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRAD
13359 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP LLC
SPECIAL USE PERMIT FOR A CELL TOWER
EPM #: 377075

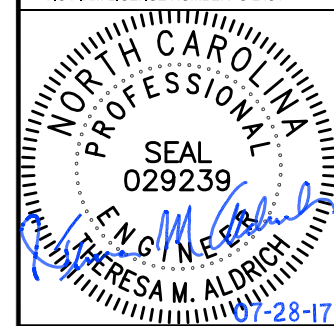
ISSUE	REVISION	DATE
1	ISSUED FOR OWNER'S REVIEW	04/17/16
2	REVISED FOR COMMENTS	04/29/16
3	REVISED FOR COMMENTS	07/28/17
4	REVISED PER TOWN OF HUNTERSVILLE COMMENTS	07/28/17
5	REVISED PER TOWN OF HUNTERSVILLE COMMENTS - 2	08/28/17

PROJECT NUMBER:
14049.013
SHEET CONTENTS:

TOWER ELEVATION
AND SIGN DETAILS

SHEET NUMBER:

C4



BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13380 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP, LLC

SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

REVISION	DATE
ISSUED FOR OWNER'S REVIEW	04/11/16
REVISED PER OWNER'S COMMENTS	04/29/16
REVISED PER TOWN OF HUNTERSVILLE COMMENTS	07/26/17

PROJECT NUMBER:
14049.013

SHEET CONTENTS:
**COMPOUND
FENCE DETAILS**

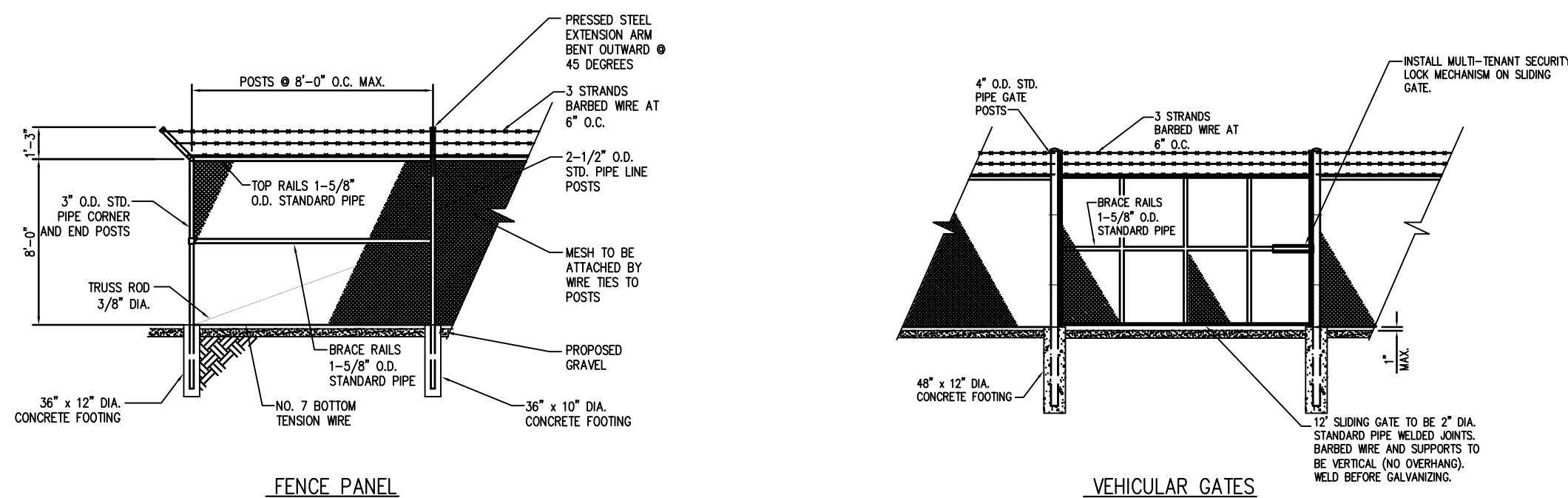
SHEET NUMBER:
C5

GENERAL NOTES

- SEE G1 FOR GENERAL ABBREVIATIONS.
- SEE C1 FOR GENERAL NOTES AND SYMBOLS.

SILT FENCE NOTES:

- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
- THE TRENCH SHOULD BE A MINIMUM OF 6 INCHES DEEP AND ALLOW FOR THE SILT FENCE TO BE LAID IN THE GROUND AND BACKFILLED.
- SILT FENCE SHOULD BE SECURELY FASTENED TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POSTS.
- INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES AND DISPOSED OF IN AN APPROVED SPOIL SITE.
- SILT FENCE SHALL BE A MINIMUM HEIGHT OF 30" MEASURED FROM THE EXISTING OR GRADED GROUND.
- SILT FENCE SHALL BE BURLAP, POLYPROPYLENE FABRIC, NYLON REINFORCED WITH POLYESTER NETTING OR OTHER MATERIAL (AS APPROVED & IF APPLICABLE). THE MULLEN BURST STRENGTH SHALL BE GREATER THAN 150 PSI. THE EDGES SHALL BE TREATED TO PREVENT UNRAVELING.



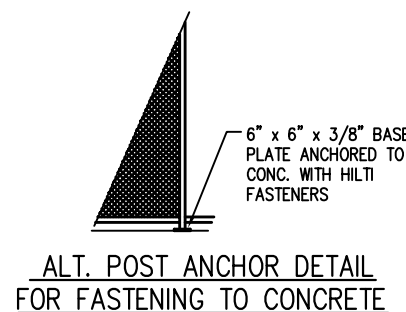
FENCE PANEL

VEHICULAR GATES

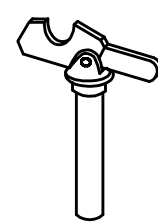
NOTES:

- ALL MATERIALS AND HARDWARE FOR THE CHAIN LINK FENCE SHALL BE OF A HOT DIP GALVANIZED FINISH.
- CHAIN LINK FABRIC TO BE 8 FT. HIGH, 9 GA. WIRE, 2 IN. MESH WITH TWISTED SELVAGE TOP AND BOTTOM. (ASTM A392)
- BARBED WIRE TO CONSIST OF 3 NO. 12-1/2 GA. GALVANIZED STEEL WIRE WITH 4 POINT BARBS OF NO. 14 GA. GALVANIZED STEEL.
- POST, RAIL, AND GATE FITTINGS TO BE PRESSED STEEL OR MALLEABLE CASTING. (ASTM A153)
- ALL POSTS SHALL HAVE WEATHER CAPS INSTALLED.
- POSTS TO SET IN 2000 PSI CONCRETE. BOTTOM OF CONCRETE TO BE 2" MIN. FROM BOTTOM OF POST.
- TIE WIRES TO BE 9 GA. ALUMINUM SPACED AT 12" O.C. POSTS/GATES AND 24" O.C. RAILS/WIRE.
- TENSION BARS TO BE 3/16 x 3/4 INCH CARBON STEEL ATTACHED TO TERMINAL POSTS BY MEANS OF BEVELED EDGE BANDS.
- PROVIDE TWO GATE KEEPER HOLD OPEN DEVICES FOR SWING GATES. GATE KEEPER TO ALLOW GATES TO OPEN APPROX. 180 DEGREES.
- PROVIDE COMBINATION LOCK FOR COMPOUND GATE AND ONE LOCK FOR ANY OTHER GATE (I.E. ACCESS GATE, GUY WIRE FENCE GATE, ETC.)
- INSTALL GREEN COLOR PRIVACY DECORATIVE SLATTING (POS) IN FENCE FABRIC FOR SCREENING.

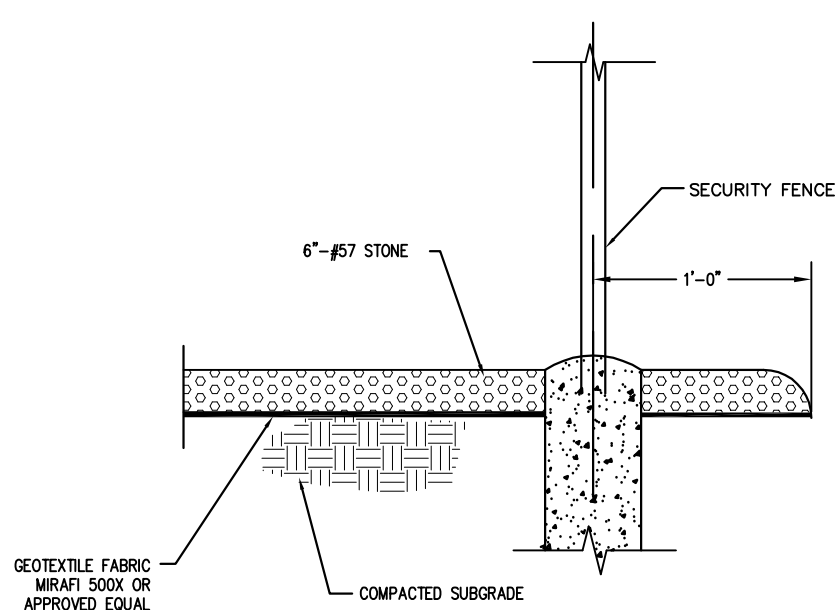
1 STANDARD PANEL SECTION
SCALE: NTS



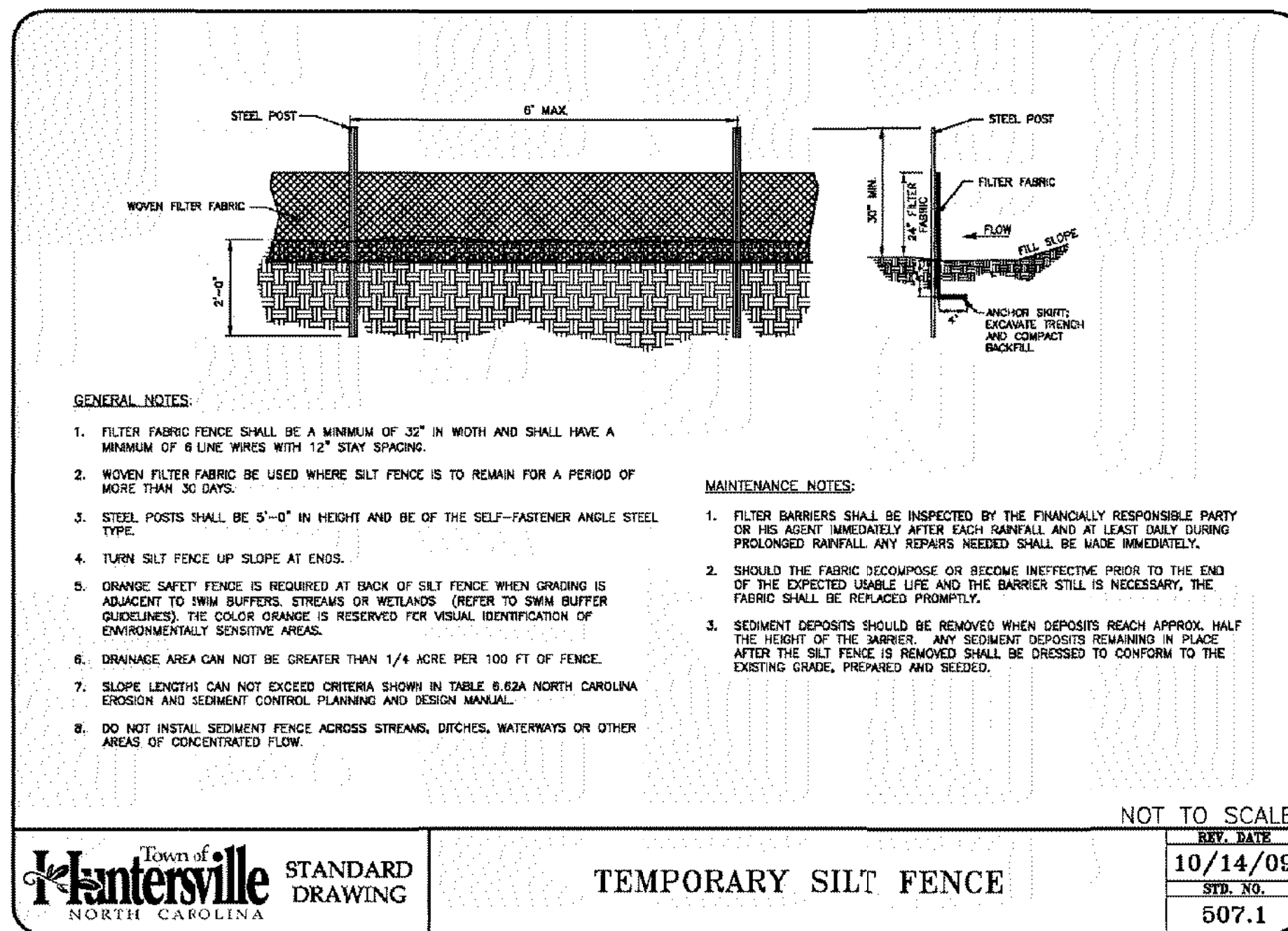
ALT. POST ANCHOR DETAIL
FOR FASTENING TO CONCRETE



GATE KEEPER DETAIL
TO HOLD GATES OPEN



2 COMPOUND GRAVEL
SCALE: NTS



GENERAL NOTES:

- FILTER FABRIC FENCE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
- WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
- STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
- TURN SILT FENCE UP SLOPE AT ENDS.
- ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
- DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT OF FENCE.
- SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
- DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

- FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
- SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROX. HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

NOT TO SCALE

Town of
Huntersville
NORTH CAROLINA

STANDARD
DRAWING

TEMPORARY SILT FENCE

REV.	DATE
10/14/09	
STD. NO.	
507.1	

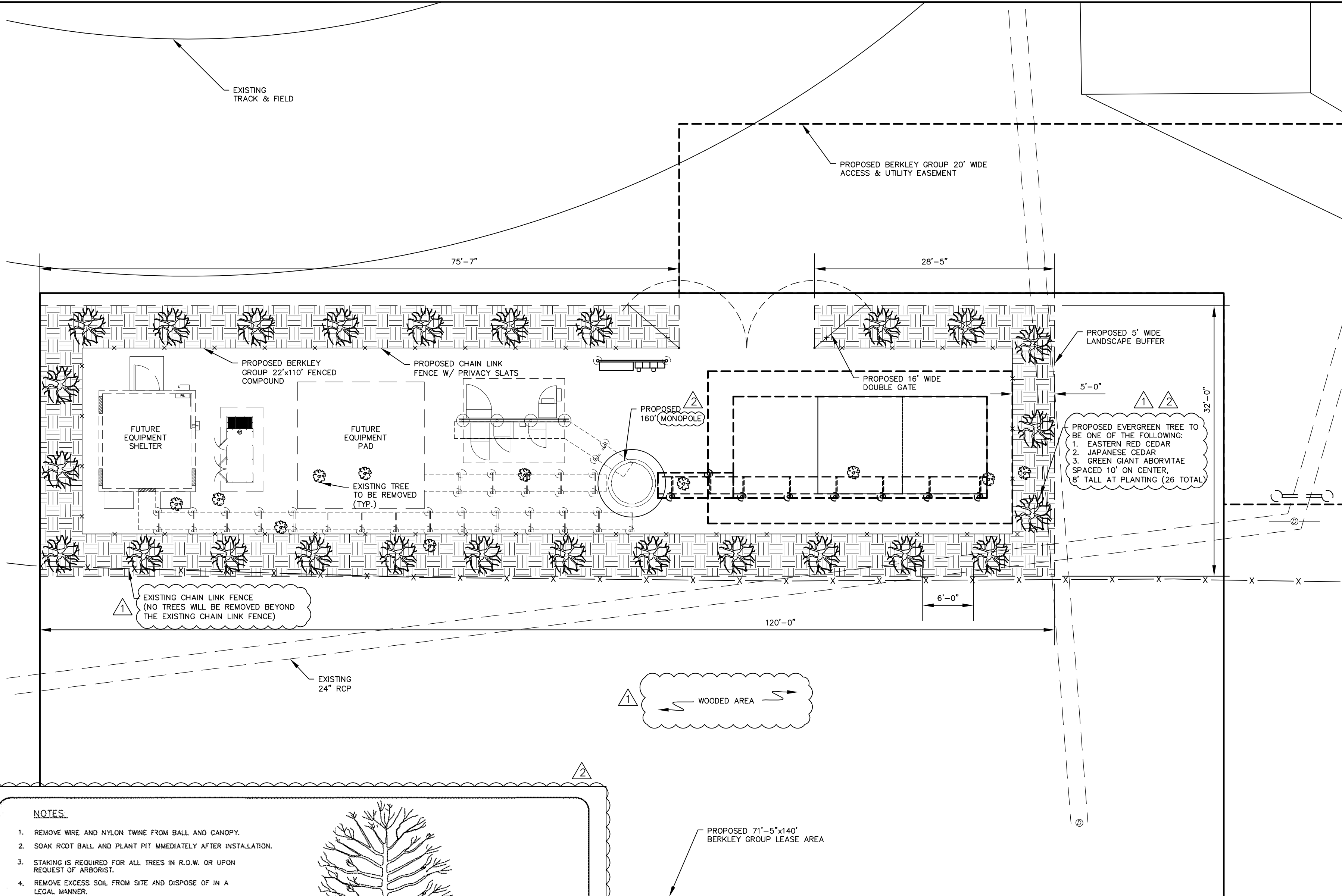
3 SILT FENCE DETAIL
SCALE: NTS

BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
BRADLEY SITE NAME: FRANCIS BRADLEY
13389 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP LLC
SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

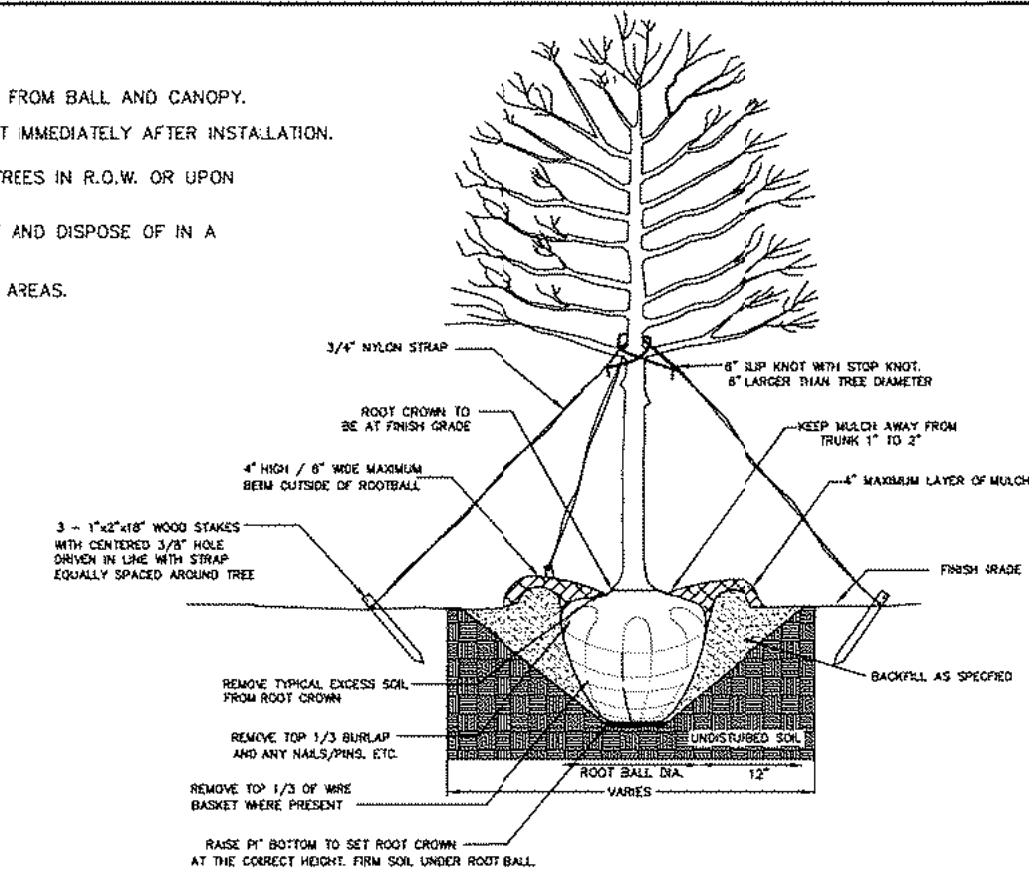
DATE	REVISION	ISSUE
08/27/18		ISSUED FOR CONSTRUCTION
07/28/17		REVISED PER TOWN OF HUNTERSVILLE COMMENTS
08/28/17		REVISED PER TOWN OF HUNTERSVILLE COMMENTS - 2

PROJECT NUMBER:
14049.013
SHEET CONTENTS:
LANDSCAPE PLAN
AND DETAIL
SHEET NUMBER:
C6



NOTES

1. REMOVE WIRE AND NYLON TWINE FROM BALL AND CANOPY.
2. SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION.
3. STAKING IS REQUIRED FOR ALL TREES IN R.O.W. OR UPON REQUEST OF ARBORIST.
4. REMOVE EXCESS SOIL FROM SITE AND DISPOSE OF IN A LEGAL MANNER.
5. RESEED UNMULCHED, DISTURBED AREAS.



ALL TREES SHALL MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z601-2004)
FOR EXAMPLE:

CALIPER	HEIGHT (RANGE)	MAX. HEIGHT	MIN. ROOT BALL DIA.	MIN. ROOT BALL DEPTH
2"	12-14'	16'	24"	16"
3"	14-16'	18'	32"	21"

NOT TO SCALE

REV. DATE
10/14/09
STD. NO.
600.1

Town of
Huntersville
NORTH CAROLINA
STANDARD
DRAWING

TREE PLANTING
(FOR SINGLE AND MULTI-STEM TREES)

0 10' 20' 30'
GRAPHIC SCALE: 1" = 10'





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Statement of Special Inspections

Statement Date: XX-XX-16

Project Name: Berkley Group Bradley Telecommunications Tower Site

Building Permit Number: _____

Project Address: 13359 Beatties Ford Rd., Charlotte, NC 28078

Registered Design Professional in Responsible Charge (RDP/RC): Theresa M. Aldrich

The following information is being submitted in accordance with the Special Inspection provisions of the North Carolina Building Code. Attached is the Schedule of Special Inspections required for this project. This completed form is required to be placed on the drawings for plan review. After permit issuance, a listing of the Special Inspection Firm (SIF) and the Designated Special Inspectors (DSI) for each inspection type will be attached to this form and uploaded to www.meck-si.com prior to scheduling the Pre-Construction Meeting with Mecklenburg County Code Enforcement. No work is permitted to be performed prior to the Special Inspection Pre-Construction Meeting (see the meck-si.com website for details).

This and all subsequent reports, logs, testing results, and other related documents shall be uploaded to the meck-si.com website within 10 business days of the event documented. Only documents that are prepared by Authorized Special Inspectors (ASIs), and signed/sealed by Designated Special Inspectors (DSIs) are valid and are permitted to be uploaded to the meck-si.com website. The DSI will notify the Department upon the discovery of information that would contravene the result of any information posted on meck-si.com, and update said information within 10 days.

The DSI is responsible for verifying all information entered on documents prior to signing/sealing and uploading it. The DSI is responsible for verifying each document that is uploaded and stored on the meck-si.com website, is the correct document and it is associated with the correct attributes for storage in the database on meck-si.com. The DSI is responsible for deleting any documents that have incorrect attributes or contain errors, and reuploading the correct information or document onto meck-si.com. The DSI is responsible for verifying all ASIs maintain current certifications during the course of the project, as failure to maintain current certifications may result in a voided document. At the conclusion of each individual Special Inspection type, the DSI will complete a Final Report and upload it to the meck-si.com website. The RDP/RC is responsible for completing the RDP/RC Letter at the conclusion of all Special Inspections.

The Special Inspection program outlined herein, does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety. The Contractor is solely responsible for construction means, methods, and job execution. Failure to adhere to the program as outlined herein, and on meck-si.com, may result in a stop work notice being issued by the Department.

Respectfully submitted,
The Registered Design Professional in Responsible Charge,

Theresa M. Aldrich
Type or Print Name

Signature _____ Date: XX-XX-16
Licensed Professional Seal



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IT-5 REINFORCED CONCRETE (Refer to NCBC Sections 1904, 1911, 1912 & 1913)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input checked="" type="checkbox"/>	Inspection of reinforcing steel, including pre-stressing tendons and placement	<input type="checkbox"/>	<input type="checkbox"/>	ACI 318: 3.5, 7.1-7.7, NCBC 1912.4	
<input type="checkbox"/>	Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b	<input type="checkbox"/>	<input type="checkbox"/>	AWS 01.4-98; ACI 318: 3.5.2	
<input checked="" type="checkbox"/>	Inspection of bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased or where strength design is used.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ACI 318: 8.1.3, 21.2.8; NCBC 1911.5, 1912.1	
<input type="checkbox"/>	Inspection of anchors installed in hardened concrete	<input type="checkbox"/>	<input type="checkbox"/>	ACI 318: 3.8.6, 8.1.3, 21.2.8, NCBC 1912.1	
<input checked="" type="checkbox"/>	Verifying use of required design mix	<input type="checkbox"/>	<input checked="" type="checkbox"/>	ACI 318: Ch. 4, 5.2-5.6; NCBC 1904.3, 1913.2, 1913.3	
<input checked="" type="checkbox"/>	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	<input type="checkbox"/>	<input type="checkbox"/>	ASTM C 172; ASTM C 31; ACI 318: 5.6, 5.8; NCBC 1913.10	
<input type="checkbox"/>	Inspection of concrete and shotcrete placement for proper application techniques	<input type="checkbox"/>	<input type="checkbox"/>	ACI 318: 5.9, 5.10; NCBC 1913.6, 1913.7, 1913.8	
<input type="checkbox"/>	Inspection for maintenance of specified curing temperature and techniques	<input type="checkbox"/>	<input type="checkbox"/>	AACI 318: 5.11-5.13; NCBC 1913.9	
<input type="checkbox"/>	Inspection of pre-stressed concrete: a. Application of pre-stressing forces b. Grouting of bonded pre-stressing tendons in the seismic-force-resisting system	<input type="checkbox"/>	<input type="checkbox"/>	ACI 318: 18.20 ACI 318: 18.18.4	
<input type="checkbox"/>	Erection of precast concrete members	<input type="checkbox"/>	<input type="checkbox"/>	ACI 318: Ch. 16	
<input type="checkbox"/>	Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs	<input type="checkbox"/>	<input type="checkbox"/>	ACI 318: 6.2	
<input type="checkbox"/>	Inspect formwork for shape, location and dimensions of the concrete members being formed	<input type="checkbox"/>	<input type="checkbox"/>	ACI 318: 6.1.1	

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Last Revision: 10/8/2014



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SCHEDULE OF SPECIAL INSPECTIONS

Project Name: Berkley Group Bradley Telecommunications Tower Site

Code Enforcement Project Number: XXXXXX Permit Number: _____

Project Address: 13359 Beatties Ford Rd., Charlotte, NC 28078

Date: XX-XX-16 Revised Date: _____

Unless noted otherwise, all of the indicated Inspections below will be performed by the following Special Inspections Firm: _____

Instructions for completing the Schedule of Special Inspections Form

1. Indicate the Inspection Type (IT-A) required for this project per NCBC section 1704.
2. Indicate whether Special Inspections are Continuous (C), Periodic (P) or both by checking the appropriate box. Per requirements of the listed Standard.
3. Insure the scope meets NCBC section 1704 and other applicable standards for each Inspection Type.

Note This form and the Statement of Special Inspections must be included on a plan sheet as part of the plan submittal for this project.

The following Special Inspections are required for this project: (C=continuous, P=periodic)

IT-1 VERIFICATION OF SOILS (Refer to NCBC Table 1704.7)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Verify materials below shallow foundation are adequate to achieve the design bearing capacity	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.7, #1.	
<input type="checkbox"/>	Perform classification and testing of compacted fill materials	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.7, #3.	

IT-2 EXCAVATION AND FILL (Refer to NCBC Table 1704.7)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input checked="" type="checkbox"/>	Verify excavations are extended to proper depth and have reached proper material	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Table 1704.7, #2.	
<input type="checkbox"/>	Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.7, #4.	
<input type="checkbox"/>	Prior to placement of compacted fill, observe sub-grade and verify that site has been prepared properly	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.7, #5.	

Page 4 of 10

IT-6 POST TENSION SLAB-ON-GROUND & POST TENSION CONCRETE

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	All prestressed concrete design in construction to be in accordance with ACI 318-08	<input type="checkbox"/>	<input type="checkbox"/>	ACI 311: 6.2; NCBC Table 1704.4 Item #11	Also see IT-5 & IT-13

IT-7 PRECAST CONCRETE ERECTION

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Precast concrete erection	<input type="checkbox"/>	<input type="checkbox"/>	NCBC Table 1704.4 Item #10	
<input type="checkbox"/>	Precast concrete fabricated in a certified plant	<input type="checkbox"/>	<input type="checkbox"/>	NCBC Section 1704.2	Also see IT-3

IT-8 PRESTRESSED CONCRETE

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	All prestressed concrete design and construction to be in accordance with ACI 318-08	<input type="checkbox"/>	<input type="checkbox"/>	ACI 311: 6.2.	Also see IT-5 & IT-13

IT-9 INSPECTION OF PRECAST CONCRETE FABRICATORS

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Inspection of fabricators to be in accordance with the requirements set forth in NCBC Section 1704.2	<input type="checkbox"/>	<input type="checkbox"/>	NCBC 1704.2	

IT-10 INSPECTION OF STRUCTURAL STEEL FABRICATORS

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Welding inspections shall be in compliance with AWS D1.1. The base for welding qualifications shall be AWS D1.1	<input type="checkbox"/>	<input type="checkbox"/>	AWS D1.1-04; NCBC 1704.2	

IT-11 STRUCTURAL MASONRY (Refer to NCBC Tables 1704.5.1 & 1704.5.3)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Level 1 (Table 1704.5.1)	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified	<input type="checkbox"/>	<input type="checkbox"/>	TMS 602/ACI 530.3/ASCE 6 Art. 3.1	

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IT-3 PILINGS AND DRILLED PIERS (Refer to NCBC Tables 1704.8, 1704.9 & Section 1704.10)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Driven Deep Foundations	<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>	Verify element materials sizes and lengths comply with the requirements	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.8, #1.	
<input type="checkbox"/>	Determine capacities of test elements and conduct additional load tests as required	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.8, #2.	
<input type="checkbox"/>	Observe driving operations and maintain complete and accurate records for each element	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.8, #3.	
<input type="checkbox"/>	Verify placement locations and plumb, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.8, #4	
<input type="checkbox"/>	For steel elements, perform additional inspections in accordance with Section 1704.3	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.8, #5	
<input type="checkbox"/>	For concrete elements and concrete-filled elements, perform additional inspections in accordance with Section 1704.4	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.8, #6	
<input type="checkbox"/>	For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.8, #7	
<input checked="" type="checkbox"/>	Cast-in-place Deep Foundations	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	Observe drilling operations and maintain complete and accurate records for each element	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Table 1704.9, #1.	
<input checked="" type="checkbox"/>	Verify placement locations and plumb, confirm element diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Table 1704.9, #2	
<input type="checkbox"/>	For concrete elements, perform additional inspections in accordance with section 1704.4	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.9, #3	

IT-4 MODULAR RETAINING WALLS (Refer to NCBC Sections 1610, 1704.15 & 1807.2)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Modular retaining walls Verify materials below shallow foundation are adequate to achieve the design bearing capacity	<input type="checkbox"/>	<input type="checkbox"/>	Table 1704.7, #1.	

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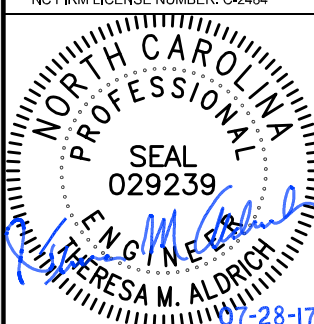
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<input type="checkbox"/>	Verification of f_{cm} and f_{cm} prior to construction except where specifically exempted by this code	<input type="checkbox"/>	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.4B	
<input type="checkbox"/>	Verification of slump flow and VSI is delivered to the site for self-consolidating grout	<input type="checkbox"/>	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.5B.1.b.3	
<input type="checkbox"/>	As masonry construction begins, the following shall be verified to ensure compliance: a. Proportions of site-prepared mortar b. Construction of mortar joints c. Location of reinforcement connectors, pre-stressing tendons and anchorage d. Pre-stressing technique e. Grade and size of pre-stressing tendons and anchorage	<input type="checkbox"/>	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 2.5A Art. 3.3B Art. 3.4, 3.6A Art. 3.4B Art. 2.4B, 2.4H	
<input type="checkbox"/>	During construction the inspection program shall verify: a. Size and location of structural elements b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction c. Specified size, grade and type of reinforcement, anchor bolts, pre-stressing tendons and anchorages d. Welding of reinforcing bars e. Preparation, construction and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperatures above 90°F) f. Application and measurement of pre-stressing force	<input type="checkbox"/>	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 3.3F TMS 602/ACI 530.1/ASCE 5 Sec 1.2.2(e), 1.16.1 TMS 602/ACI 530.1/ASCE 5 Sec 1.5B TMS 602/ACI 530.1/ASCE 6 Art. 2.4, 3.4 TMS 602/ACI 530.1/ASCE 5 Sec 1.5 TMS 602/ACI 530.1/ASCE 6 Art. 1.3C, 1.8D & NCBC 1104.3, 2104.4 TMS 602/ACI 530.1/ASCE 6 Art. 3.4B	
<input type="checkbox"/>	Prior to grouting, the following shall be verified to ensure compliance: a. Grout space is clean b. Placement of reinforcement and connectors, pre-stressing tendons and anchorage c. Proportions of site-prepared grout and pre-stressing grout for bonded tendons d. Construction of mortar joints	<input type="checkbox"/>	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 3.3D TMS 602/ACI 530.1/ASCE 6 Art. 3.4 & TMS 602/ACI 530.1/ASCE 5 Sec 1.3 TMS 602/ACI 530.1/ASCE 6 Art. 2.4B Art. 3.3B	

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BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13359 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP LLC
SPECIAL USE PERMIT FOR A CELL TOWER
EPW # 377075

DATE	REVISION
04/11/16	ISSUED FOR OWNER'S REVIEW
04/29/16	REVISED PER OWNER'S COMMENTS
07/26/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS

PROJECT NUMBER:
14049.013

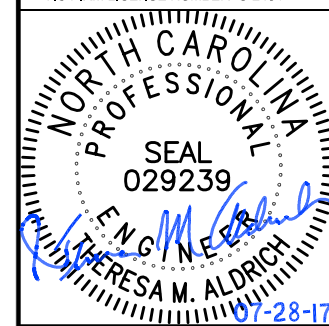
SHEET CONTENTS:

SPECIAL INSPECTIONS

(SHEET 1 OF 2)

SHEET NUMBER:

SP1



BASE TRANSCIVER SITE
BRADLEY MIDDLE SCHOOL
VERIZON SITE NAME: FRANCIS BRADLEY
13380 BEATTIES FORD ROAD
HUNTERSVILLE, NC 28078
MECKLENBURG COUNTY
NORTH CAROLINA

BERKLEY GROUP LLC

SPECIAL USE PERMIT FOR A CELL TOWER
EPM # 377075

DATE	REVISION	ISSUE
04/11/16	ISSUED FOR OWNER'S REVIEW	
04/28/16	REVISED PER OWNER'S COMMENTS	
07/26/17	REVISED PER TOWN OF HUNTERSVILLE COMMENTS	

PROJECT NUMBER:
14049.013

SHEET CONTENTS:

SPECIAL INSPECTIONS

(SHEET 2 OF 2)

SHEET NUMBER:

SP2

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<input type="checkbox"/>	GROUT placement shall be verified to ensure compliance: a. Grouting of pre-stressing bonded tendons	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 3.3	
<input type="checkbox"/>	Preparation of any required grout specimens, mortar specimens and / or prisms shall be observed	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 3.3 TMS 602/ACI 530.1/ASCE 6 Art. 1.4 NCBC 1105.2.2, 2105.3	
Level 2 (Table 1704.5.3)				
<input type="checkbox"/>	Compliance with required inspection provisions of the construction documents and the approved submittals	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.1	
<input type="checkbox"/>	Verification of f'_{cm} and f'_{m} prior to construction and for every 5,000 square feet during construction	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.4B	
<input type="checkbox"/>	Verification of proportions of materials in premix or preblended mortar and grout as delivered to the site	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.3B	
<input type="checkbox"/>	Verification of slump flow and VSI as delivered to the site for self-consolidating grout	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.3B.1.b.3	
<input type="checkbox"/>	The following shall be verified to ensure compliance: a. Proportions of pre-prepared mortar, grout and pre-stressing grout for bonded tendons b. Placement of masonry units and construction of mortar joints c. Placement of reinforcement, connectors and pre-stressing tendons and anchorages d. Grout space prior to grout e. Placement of grout f. Placement of pre-stressing grout g. Size and location of structural elements h. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 2.4A TMS 602/ACI 530.1/ASCE 6 Art. 3.3B TMS 602/ACI 530.1/ASCE 6 Art. 3.4, 3.4A TMS 402/ACI 530/ASCE 5 Sec 1.75 TMS 602/ACI 530.1/ASCE 6 Art. 3.3D TMS 602/ACI 530.1/ASCE 6 Art. 3.3 TMS 602/ACI 530.1/ASCE 6 Art. 3.3C TMS 602/ACI 530.1/ASCE 6 Art. 3.3F TMS 402/ACI 530/ASCE 5 Sec 1.2.2(e), 1.16.1	

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<input type="checkbox"/>	3. Shear reinforcement	<input type="checkbox"/>	AWS D1.4, ACI 311 Sec 3.5.2	
<input type="checkbox"/>	4. Other reinforcing steel	<input type="checkbox"/>	AWS D1.4, ACI 311 Sec 3.5.2	
<input type="checkbox"/>	Inspection of steel frame joint details for compliance: a. Details such as bracing and stiffening b. Member locations c. Application of joint details at each connection	<input type="checkbox"/>	NCBC :704.3.2 NCBC :704.3.2 NCBC :704.3.2	

IT-14 SPRAYED FIRE-RESISTANT MATERIALS

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Spray applied fire-resistant materials	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :704.12	

IT-15 EXTERIOR INSULATION & FINISH SYSTEM (EIFS)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	EIFS	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :704.14	

IT-16 SEISMIC RESISTANCE

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	A quality assurance plan with seismic requirements shall be provided in accordance with section 1704	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :704	

IT-17 SMOKE CONTROL

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Inspection of smoke control system	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :704.16	

IT-18 WOOD

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Inspection of fabricators to be in accordance with the requirements set forth in NCBC Section 1704.2	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :704.2	
<input type="checkbox"/>	Temp & permanent bracing on metal	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :704.6	

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<input type="checkbox"/>	i. Specified size, grade and type of reinforcement, anchor bolts, pre-stressing tendons and anchorages	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 2.4, 3.4 TMS 402/ACI 530/ASCE 5 Sec 1.75	
<input type="checkbox"/>	j. Welding of reinforcing bars	<input type="checkbox"/>	TMS 402/ACI 530/ASCE 5 Sec 2.1.9.7.2, 3.3.4(b)	
<input type="checkbox"/>	k. Preparation, construction and protection of masonry during cold weather (temperatures below 40° F) or hot weather (temp above 90° F)	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.1C, 1.8D NCBC Sec 2104.3, 2104.4	
<input type="checkbox"/>	l. Application and measurement of pre-stressing force	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 3.4B	
<input type="checkbox"/>	Preparation of any required grout specimens and / or prisms shall be observed	<input type="checkbox"/>	TMS 602/ACI 530.1/ASCE 6 Art. 1.4 NCBC Sec 2105.2.2, 2105.3	

IT-12 WELDING

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Welding inspections shall be in compliance with AWS D1.1. The base for welding qualifications shall be AWS D1.1	<input type="checkbox"/>	<input type="checkbox"/>	AWS D1.1-04 NCBC :704.2	

IT-13 HIGH-STRENGTH BOLTING & STEEL FRAME INSPECTIONS (Refer to 1704.3)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input checked="" type="checkbox"/>	Material verification of high-strength bolts, nuts and washers must be inspected for: a. Identification markings to conform to ASTM standards specified in the approved construction documents b. Manufacturer's certificate of compliance required	<input checked="" type="checkbox"/>	<input type="checkbox"/>	AISC 360, Section A3.3 & applicable ASTM material standards	
<input type="checkbox"/>	Inspection of high-strength bolting: a. Snug-tight joints b. Pre-tensioned and slip-critical joints using turn-of-nut with match-marking, twist-off bolt or direct tension indicator methods of installation c. Pre-tensioned and slip-critical joint using turn-of-nut without match-marking or calibrated	<input type="checkbox"/>	<input type="checkbox"/>	AISC 360, Section M2.5 NCBC :704.3.3 AISC 360, Section M2.5 NCBC :704.3.3 AISC 360, Section M2.5 NCBC :704.3.3	

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	plate-connected trusses spanning 360"				
Check if required	Inspection Task	C	P	Standard	Notes / Comments
<input type="checkbox"/>	Racking	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :707.5	
<input type="checkbox"/>	Retaining Walls	<input type="checkbox"/>	<input type="checkbox"/>	NCBC :807.2	
<input type="checkbox"/>	Special Events (as decided / required by Code Enforcement)	<input type="checkbox"/>	<input type="checkbox"/>	Per Mecklenburg County Policy	
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		
<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		

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