

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING A NEW UNMANNED SHELTER ON A NEW CONCRETE PAD AT GRADE.

PROJECT INFORMATION

APPLICANT ADDRESS: BECHTEL ASSOCIATES PROFESSIONAL CORPORATION
100 PERIMETER PARK, SUITE H
MORRISVILLE, NC 27560

PROJECT MANAGER: BETTY CHANG

ENGINEERING CONTACT: PAUL KOSKI

PERMITTING CONTACT: STEVE GRAHAM

JURISDICTION: CITY OF DURHAM, NC

LATITUDE: N 35.915539 (NC83F)

LONGITUDE: W 78.923489 (NC83F)

Fiber Project

SITE PLAN DRAWINGS

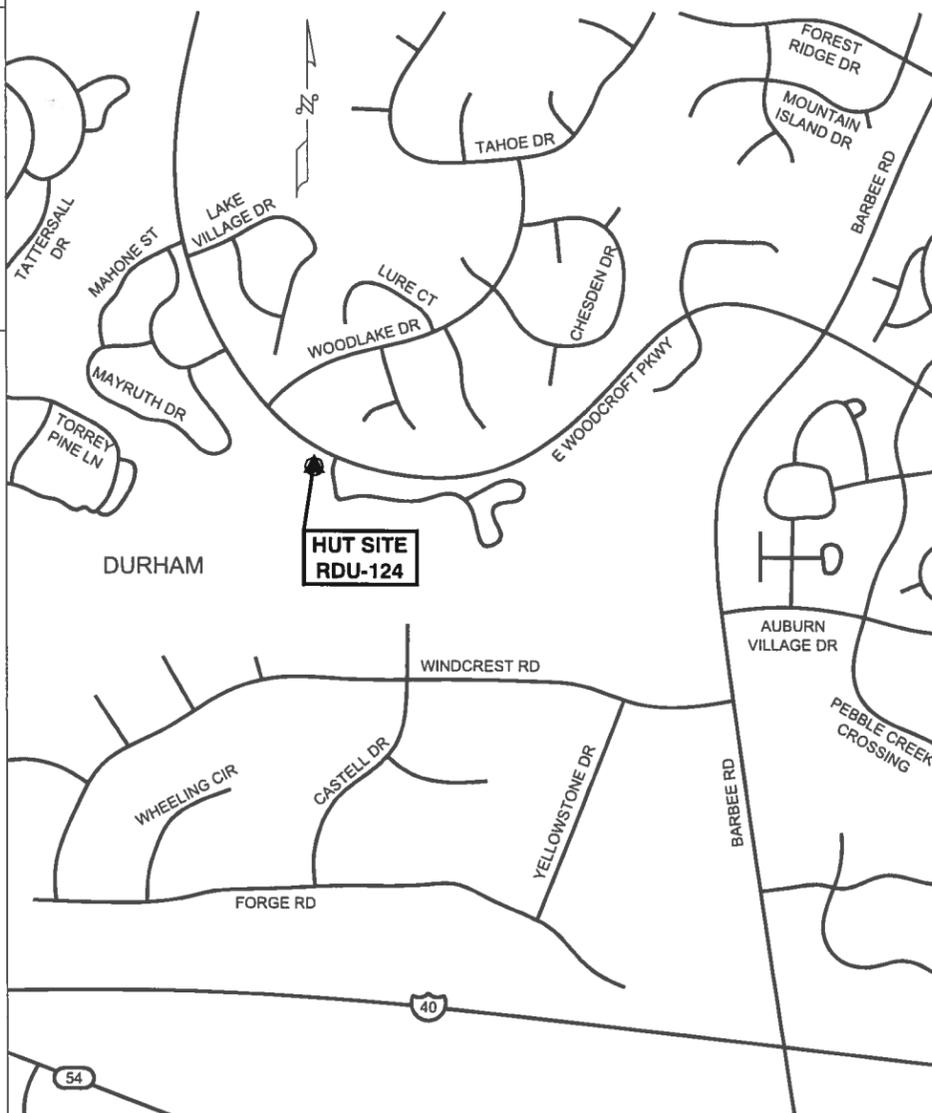
SITE NAME: PINEY WOOD PARK

FIBER LAS ID NO.: RDU-124

FIBER HUT FACILITY DEPLOYMENT PROJECT

VICINITY MAP

DIRECTION FROM BECHTEL OFFICE LOCATED AT 100 PERIMETER PARK DR, MORRISVILLE, NC 27560 DEPART PERIMETER PARK DR TOWARD AIRPORT BLVD. TURN RIGHT ONTO AIRPORT BLVD. TURN LEFT AND MERGE ONTO I-40 WEST. TAKE EXIT 27B, TURN LEFT ONTO NC-55. TURN LEFT ONTO CARPENTER FLETCHER RD. CONTINUE ONTO E WOODCROFT PKWY AND ARRIVE AT HUT LOCATION RDU-124 ON LEFT 1.2 MILES FROM INTERSECTION.



APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE:
[INTERNATIONAL BUILDING CODE] IBC & IRC [STATE BUILDING CODE] - CURRENT VERSION

ELECTRICAL CODE:
[NATIONAL ELECTRICAL CODE] NEC NFPA 70
[FIRE/LIFE SAFETY CODE] NFPA-101 LIFE SAFETY CODE

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION ANSI-J-STD-607-A,
COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS
NECA/BICSI-607, TELECOMMUNICATIONS BONDING AND GROUNDING PLANNING AND INSTALLATION METHODS FOR COMMERCIAL BUILDINGS
TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM
IEEE 1100 RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION

TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

DRAWING INDEX

REV

- H0124-00000-ZN-70001 TITLE SHEET
- H0124-00000-ZN-70002 OVERALL PROPERTY MAP
- H0124-00000-ZN-70003 SURVEY
- H0124-00000-ZN-70004 SITE & UTILITY PLAN
- H0124-00000-ZN-70005 GRADING & EROSION CONTROL PLAN
- H0124-00000-ZN-70006 LANDSCAPE PLAN
- H0124-00000-ZN-70007 COMPOUND ELEVATION
- H0124-00000-ZN-70008 SITE DETAILS

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SITE DATA TABLE

PIN	072801371913
ZONING	RS-20
WATERSHED	CROOKED CREEK
OVERLAY DISTRICT	NONE
RIVER BASIN	CAPE FEAR RIVER BASIN
CURRENT USE	REC/ATHLETIC FIELDS
PROPOSED USE	REC/ATHLETIC FIELDS & FIBER OPTIC ENCLOSURE
CURRENT IMPERVIOUS	0.24 AC.
PROPOSED IMPERVIOUS	0.05 AC.
TOTAL DISTURBED AREA	0.16 AC.
PARKING DATA	NO SPACES REQUIRED (UNINHABITED BUILDING), 1 SPACE PROVIDED (IN DRIVEWAY)
BICYCLE PARKING DATA	2 SPACES REQUIRED, 2 SPACES PROVIDED
BUILDING SQUARE FOOTAGE	360 SF
TREE COVERAGE	MET PER SECTION 8.3.1.B.2 OF THE CITY OF DURHAM UNIFIED DEVELOPMENT ORDINANCE

DURHAM CITY-COUNTY APPROVAL STAMP

LEVEL 2 SITE PLAN: XXXXXXXX

DOCUMENT REVIEW STATUS	
25927-210-H0124-00000-ZN-70001 -00B	
Status Code: 2	
1 - Accepted - Minor or no comments, construction may proceed 2 - Not Accepted - Please resolve comments and resubmit	
Acceptance does not constitute approval of design details, calculations, analysis, test methods or materials developed or selected by the subcontractor and does not relieve subcontractor from full compliance with contractual obligations.	
REVIEWED BY: Graham_Stephen	
DATE: 7/13/2015 1:45:54 PM	

PROVIDE TWO (2) SETS OF APPROVED SITE PLAN DOCUMENTS TO ENGINEERING INSPECTIONS, 3RD FLOOR, 101 CITY HALL PLAZA, DURHAM, NC 27701 AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION AND CONTACT ENGINEERING INSPECTIONS AT 560-4326 AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
CASE #: D1500089

GENERATOR NOTE: PROPOSED PROJECT CONTAINS A CUMMINS GGHG 85 KW GENERATOR. GENERATOR WILL HAVE A NATURAL GAS CONNECTION AND NO FUEL STORAGE TANKS ARE PROPOSED. GENERATOR WILL BE APPROXIMATELY 3' FROM THE PROPOSED BUILDING.



Dewberry Engineers Inc.
2301 REXWOODS DRIVE
SUITE 200
RALEIGH, NC 27607
PHONE: 919 881 9939
FAX: 919 881 9923
NC LICENSE No.: F-0929



BECHTEL ASSOCIATES PROFESSIONAL CORPORATION
5275 WESTVIEW DRIVE
FREDERICK, MD. 21703
PHONE: (301) 228-6000

FIBER HUT ID #: RDU124
400 E. WOODCROFT PKWY.
DURHAM, NC 27713

Fiber Project

NO.	DATE	REVISIONS	BY	CHK	SUPV	APP'D
B	07-02-15	REVISED PER COMMENTS	JSH	LWM		
A	06-05-15	ISSUED FOR COMMENT	JSH	LWM		

PRELIMINARY
NOT FOR CONSTRUCTION

Fiber Project

TITLE SHEET

DRAWING NUMBER REV

25927-210 H0124-00000-ZN-70001 B

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NOW OR FORMERLY
CITY OF DURHAM
DB 1229 PG 396
PB 108 PG 191
PIN: 0728-01-37-1913

OVERALL PROPERTY MAP
1" = 120'

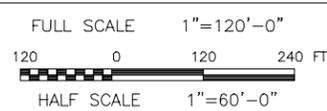
ADJOINING PROPERTY OWNER INFORMATION			
PARCEL	PARCEL ID	OWNER	ADDRESS
A	0728-01-18-9905	CRIT-NC V LLC	1000 LYDIAS WAY
B	0728-01-18-0313	PINE RIDGE APARTMENTS	6401 MONTERREY CREEK DR
C	0728-01-17-8726	CITY OF DURHAM	709 WINDCREST RD
D	0728-01-17-9552	STARR, KIMBERLY FREELAND, STARR, GEORGE JOSEPH	10 GUILFORD PL
E	0728-01-27-0581	SCOTT, WENDELL E, SCOTT, VERA J	8 GUILFORD PL
F	0728-01-27-2437	ARTEAGA, EDGAR RAFAEL LOPENZA, GARCIA, SANDRA CAROLINA	3 WINDCOURT PL
G	0728-01-27-3501	SUVOROV, ALEXANDER V, KOROBENKO, LIUDMILA A	5 WINDCOURT PL
H	0728-01-27-4531	MERCER, BRANDON H, MERCER, REGAN N	6 WINDCOURT PL
I	0728-01-27-5540	SHAW, ALAN B	4 WINDCOURT PL
J	0728-01-27-6486	ANDREAS, JOSHUA A, BROCKHAUS ASHLEY A	713 WINDCREST RD
K	0728-01-27-7486	HICKEY, ELIZABETH A	715 WINDCREST RD
L	0728-01-27-8485	NORRIS, JAMI M, SKYE, ANN L SCHOENE	717 WINDCREST RD
M	0728-01-27-9495	PARKER, VELMA	721 WINDCREST RD
N	0728-01-37-1475	LAMB, LINBERGER W	801 WINDCREST RD
O	0728-01-37-2485	PETERSON, GABRIEL MINER, PETERSON, SANDRA RUBINSTEIN	807 WINDCREST RD
P	0728-01-37-3485	WEAVER, RAYMOND L, WEAVER, DEBORAH H	811 WINDCREST RD
Q	0728-01-37-4485	SATTERWHITE, JAMES E, SATTERWHITE, MARY B	901 WINDCREST RD
R	0728-01-37-5485	PRIVETT, CARL T, PRIVETT, JACQUELINE	905 WINDCREST RD
S	0728-01-37-6484	LYONS, CAROLYN HICKS	909 WINDCREST RD
T	0728-01-37-7484	HESTER, PAMELA T	913 WINDCREST RD
U	0728-01-37-8494	INGRAM, TERENCE D, INGRAM, BEVERLY C J	917 WINDCREST RD
V	0728-01-37-9492	CLANTON, ELIZABETH	921 WINDCREST RD
W	0728-01-47-0399	MACON, WILLIE R JR, MACON, JACQUELINE T	1001 WINDCREST RD
X	0728-01-47-1876	AUBURN OWNERS ASSOCIATION INC	6052 BARBEE RD
Y	0728-01-48-1387	BARBEE ROAD ASSOCIATES LLC	5952 BARBEE RD
Z	0728-01-48-1499	HASBROCK, GIAN, HARRELL, LINDA D	13 PINEY PARK LN
AA	0728-01-48-2628	BENNETT, MARK S, BENNETT, MARY E	10 PINEY PARK LN

NOTE:
1. SUBJECT PROPERTY RESIDES IN FEMA MAP #3720072800J PANEL 0728 AND IS NOT LOCATED IN A FLOOD ZONE.



Dewberry Engineers Inc.
2301 REXWOODS DRIVE
SUITE 200
RALEIGH, NC 27607
PHONE: 919.881.9839
FAX: 919.881.9823
NC LICENSE No.: F-0829

CURVE TABLE						
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	1029.84'	1559.41'	1414.64'	N 85°22'33" E	86°45'30"	973.16'



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B	07-02-15	REVISED PER COMMENTS	JSH	LWM		
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SCALE: AS SHOWN DESIGNED BY: JSH DRAWN BY: DJL

**PRELIMINARY
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OVERALL PROPERTY MAP		
DRAWING NUMBER		REV
25927-210	H0124-00000-ZN-70002	B

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