



AMERICAN TOWER®
CORPORATION

Hyde County Planning Department
P.O. Box 188
Swan Quarter, NC 27885

*Application of American Tower LLC to construct a new Wireless
Telecommunications Tower for the following site:*

Site Name: Englehard
Site Address: 800 feet South of 1008 Swamp Road, Englehard, NC 27824
AT&T Site No. 176-071

AMERICAN TOWERS LLC

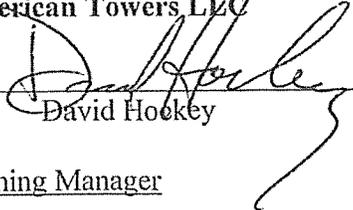
American Towers LLC ("AT") is one of the leading independent owner and operator of shared wireless infrastructure. The core business of American Towers LLC involves the engineering, deployment, marketing, ownership, operation and leasing of shared wireless communications sites. The sharing of infrastructure among multiple services lies at the heart of American Tower's business philosophy. Our portfolio of wireless communication sites, including existing towers and rooftops, enables our customers to serve their markets more efficiently and with sensitivity to local planning and zoning jurisdictions. American Towers LLC designs all of our facilities for multiple collocation opportunities for our customers. We endeavor to assist communities in reducing the number of towers in a given jurisdiction by supplying our customers with locations that are ready for them "Just in Time" for their coverage design and wireless performance needs. As one of the largest tower companies in the world, American Towers LLC has master lease agreements, negotiated at arms-length, with all major wireless carriers licensed to operate in North Carolina. In negotiating the rental rates of these master lease agreements, American Towers LLC considers the competitive environment of its business and the presence of other major tower companies such as Crown Castle and SBA. This ensures that American Towers LLC charges only reasonable rates to service providers.

Collocation Certification

American Towers LLC agrees to comply with the Zoning Ordinance of Hyde County, North Carolina and is willing to permit other user(s) to attach communication equipment which do not interfere with the primary purpose of the tower, provided that such other users agree to negotiate a reasonable compensation to the owner from such liability as may result from such attachment.

American Towers LLC

By: _____


David Hokey

ITS: Zoning Manager



1130 Situs Court, Suite 100
Raleigh, NC 27606

DATE: June 23, 2013
SUBJECT: FCC Compliance Assessment for Proposed AT&T Mobility Site "176-071"
"1008 SWAMP ROAD, ENGELHARD, HYDE, NC 27824"

AT&T Mobility has been requested to evaluate the radio frequency emissions of our proposed site 176-071. In addition; AT&T Mobility has been requested to address other RF related topics such as transmitter operation and maximum permissible output power levels. The remainder of this report will address all RF related items requested by Hyde County Zoning/Planning for proposed site 176-071 "1008 SWAMP ROAD, ENGELHARD, HYDE, NC 27824"

Transmitter Operation

AT&T Mobility owns the C LTE Bands and B Band PCS license in Hyde County. The transmitters being used on the proposed site are authorized to operate in the 740-745 and 1950-1965 Megahertz (MHz) frequency range. The Ericsson Node B base station transmitters AT&T Mobility utilizes have a maximum output level of 40 Watts. AT&T Mobility utilizes the LTE and UMTS digital technology. As a result our transmitters utilize 64-State Quadrature Amplitude (64 QAM) and Quadrature Phase Shift Keying (QPSK) modulation. Precision filters limit unwanted and spurious emissions to levels below the FCC specification. ~~The signals being transmitted will not interfere with the operation of commercial radio, cellular radio, television, telephone or other FCC approved communication equipment.~~

Maximum Permissible Output Power

The maximum permissible power spectral density is 3280 Watts/MHz from the antennas in rural areas and 1640 Watts/MHz in urban area. The proposed site 176-071 "1008 SWAMP ROAD, ENGELHARD, HYDE, NC 27824" is only transmitting 670.53 Watts/MHz.

RF Exposure (NIER levels)

The FCC states in 47 CFR 1.1310 that the maximum permissible exposure (MPE) level from non-ionizing electromagnetic radiation (NIER) to the general population at cellular and PCS frequencies is 1.0 milli watt per centimeter squared (mW/cm²). MPE is a measure of the RF power density at or below which there are no potential harmful effects from the exposure.

Power density calculations are based on guidelines given by the ANSI Standard C95.1-1992 and are based on a worst case scenario. For analysis purposes, worst case conditions were chosen for all output power levels. The site is being deployed initially with 6 transmitters. For analysis purposes, 15 transmitters were used. A summary of the results of the power density calculations for site 176-071 "1008 SWAMP ROAD, ENGELHARD, HYDE, NC 27824" is listed below in Table 1.

Distance From Tower (Feet)	Power Density (mW/cm ²)	%FCC Standard
1	0.0000222	0.0089
25	0.0000221	0.0088
50	0.0000160	0.0064
75	0.0000115	0.0046
100	0.0000262	0.0105

Table 1: Power Density Summary for Site 176-071 "1008 SWAMP ROAD, ENGELHARD, HYDE, NC 27824"

As shown in **Table 1**, the maximum power density will not exceed 0.0000262mW/cm² at ground level. Moreover, the average energy expected near ground level is less than 1% of the MPE level. This level does not exceed the MPE limit set by the Federal Communications Commission or the American National Standards Institute.

Based upon the ANSI/FCC standard and the predicted levels of electromagnetic energy emitted by the site 176-071 "1008 SWAMP ROAD, ENGELHARD, HYDE, NC 27824" installation will be of no safety concern to the general public.

If there are any further questions regarding the information provided I can be reached at (919) 852-2721.

Sincerely

A handwritten signature in black ink that reads "Shohel Chowdhury". The signature is written in a cursive style with a large initial "S".

Shohel Chowdhury
RF Design Engineer
AT&T Mobility LLC.
Raleigh Market
Tel: 919-852-2721
E-mail: sc3730@att.com



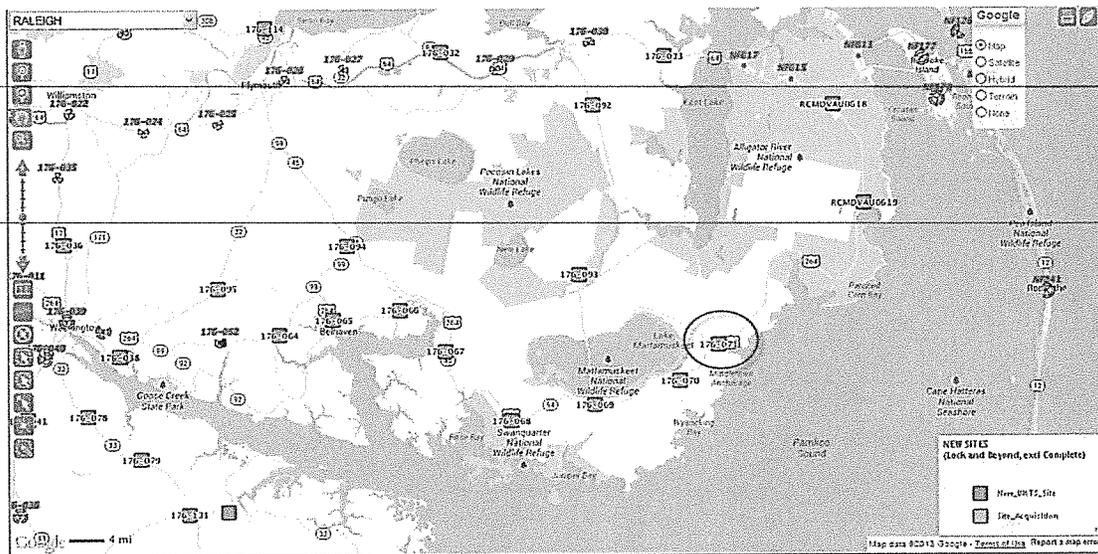
1130 Situs Court, Suite 100
Raleigh, NC 27606

DATE: June 23, 2013
SUBJECT: RF Justification for AT&T Mobility Site "176-071"

AT&T Mobility has been requested to provide justification for our proposed site "176-071". AT&T Mobility is currently in the process of enhancing its coverage in Hyde County. It is necessary for AT&T to build a new tower at the Proposed Site in order to meet its coverage objectives.

The attached maps detail the location of the new tower facility "176-071" and expected propagation of emissions from the proposed design. Figure 1 shows the general area within Hyde County that the new site will be located. In Figure 1 blue text and corresponding icons indicate the location of all existing sites and center in the map location of the proposed site.

Figure 1: Map of AT&T Existing and Proposed Sites



Currently AT&T Mobility does not have network coverage in concerning area in the map. The new site is required to provide coverage at Highway 264 for connectivity and north/south side of Lake Mattamuskeet in Hyde, NC. Also the site is required to provide coverage in the Engelhard town. Refer to Figure 2, which shows coverage without the proposed site "176-071".

Figure 2: Map of AT&T Coverage without "176-071"

RSCP (dBm)

- Best Signal Level (dBm) ≥ -72
- Best Signal Level (dBm) ≥ -80
- Best Signal Level (dBm) ≥ -85
- Best Signal Level (dBm) ≥ -92
- Best Signal Level (dBm) ≥ -98



With the addition of proposed site "176-071" AT&T Mobility will provide its network coverage in this area. Refer to the Figure 3 which shows coverage with the proposed site "176-071".

Figure 3: Map of AT&T Coverage with "176-071"

RSCP (dBm)

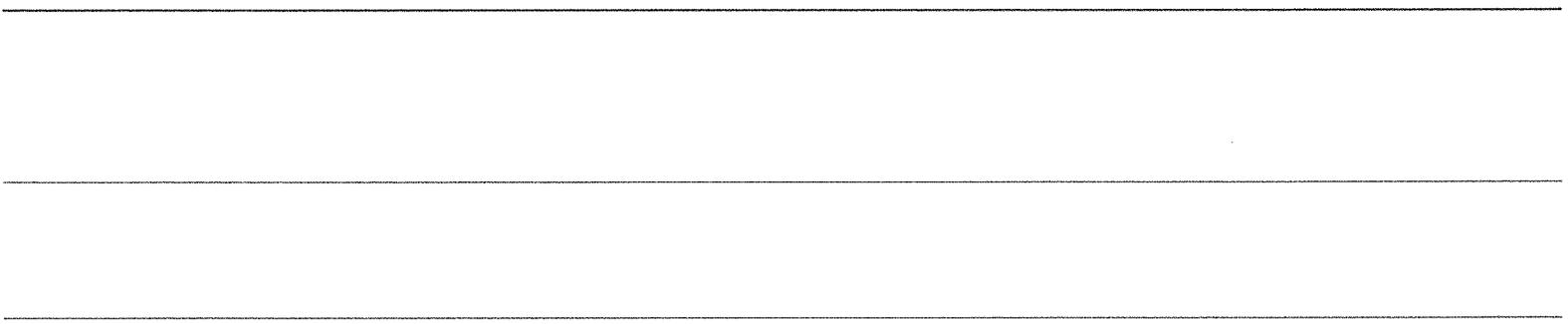
- Best Signal Level (dBm) ≥ -72
- Best Signal Level (dBm) ≥ -80
- Best Signal Level (dBm) ≥ -85
- Best Signal Level (dBm) ≥ -92
- Best Signal Level (dBm) ≥ -98



If there are any further questions regarding this data I can be reached at (919) 852-2721.

A handwritten signature in black ink that reads "Shohel Chowdhury". The signature is written in a cursive style with a large initial 'S'.

*Shohel Chowdhury
RF Design Engineer
AT&T Mobility LLC.
Raleigh Market
Tel: 919-852-2721
E-mail: sc3730@att.com*

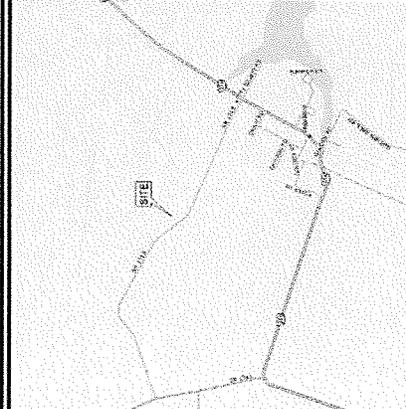


ATC SITE NUMBER : 280900
 ATC SITE NAME: ENGELHARD
 PROJECT DESCRIPTION: PROPOSED WIRELESS TELECOMMUNICATIONS FACILITY
 TOWER TYPE: 300' SELF SUPPORT
 SITE ADDRESS: SWAMP ROAD
 ENGELHARD, NC 27824
 (HYDE COUNTY)
 JURISDICTION: HYDE COUNTY
 AREA OF CONSTRUCTION: 27,026 ± SQ. FT.
 (LEASE AREA & ACCESS DRIVE)
 PRESENT OCCUPANCY TYPE: AGRICULTURAL
 CURRENT ZONING: NO ZONING
 PIN #: 8695-28-1539

PROJECT INFORMATION

LATITUDE N 35° 28' 22.2918"
 LONGITUDE W 78° 04' 8.0646"
 GROUND ELEV. (AMSL) = 2.0'

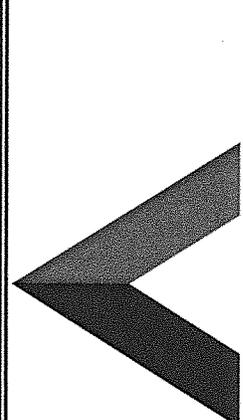
TOWER COORDINATES



LOCATION MAP

FROM RALEIGH, NC: TAKE I-40 E TOWARD ROCK MT. TAKE EXIT 44 TOWARD US-44E/US-34E TOWARD WALSON/ROCKY MT. MERGE ONTO US-284E/US-54E KEEP LEFT TO CONTINUE ON US-44 E. FOLLOW SIGNS FOR ROCKY MOUNTAIN/ROBORO. CONTINUE ONTO US-17 N/US-44 E. TAKE EXIT 816 TO US-52 S. TURN LEFT ONTO NC-42 S/NC-99 S. TAKE THE FIRST RIGHT TO STAY ON NC-46 S. TURN LEFT ONTO NC-46 S/US-284 E. TURN RIGHT ONTO GREAT DITCH ROAD. TURN LEFT ONTO GUM SWAMP RD AND THE DESTINATION WILL BE ON THE LEFT.

DRIVING DIRECTIONS



AMERICAN TOWER CORPORATION
 SITE PLAN
 AT&T SITE #: 176-071
 ATC SITE #: 280900
 ATC SITE NAME: ENGELHARD
 SWAMP ROAD
 ENGELHARD, NC 27824

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE FOLLOWING:

- NORTH CAROLINA BUILDING CODE
- NORTH CAROLINA CODE COUNCIL
- AMERICAN SOCIETY OF MECHANICAL ENGINEERS
- 2012 NEC
- REG 2011 & ADDENDUM
- LOCAL BUILDING CODE
- AMERICAN SOCIETY OF CIVIL ENGINEERS

SITE PROJECT MANAGER:
 AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 GREENVILLE, NC 27603
 CONTACT: MELISSA PARKER
 PHONE: (602) 828-0275

SITE APPLICANT:
 AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 GREENVILLE, NC 27603
 CONTACT: MELISSA PARKER
 PHONE: (602) 828-0275

SURVEYOR:
 GARY S. MILLER & ASSOCIATES
 12 OCEANVIEW LOOP
 GREENVILLE, NC 27603
 CITY, STATE, ZIP: GARY S. MILLER, P.L.S.
 CONTACT: (252) 756-7878
 PHONE: (919) 861-6351

CIVIL ENGINEER:
 TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603
 CITY, STATE, ZIP: GRAHAM M. ANDRES, P.E.
 CONTACT: (919) 861-6351
 PHONE: (919) 861-6351

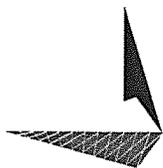
ELECTRICAL ENGINEER:
 TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603
 CITY, STATE, ZIP: T. HERB, P.E.
 CONTACT: (919) 861-6351
 PHONE: (919) 861-6351

PROPERTY OWNER:
 BENJAMIN RAY BONNEY JR.
 12 OCEANVIEW LOOP
 GREENVILLE, NC 27603
 CITY, STATE, ZIP: RAY BONNEY
 CONTACT: 252-302-1708
 PHONE: 252-302-1708

UTILITIES:
 POWER COMPANY: TIDELAND EMC
 CONTACT: 800-437-1079
 PHONE: 107-827-630
 METER # NEAR SITE:
 TELEPHONE COMPANY: SPRINT
 CONTACT: CUSTOMER SERVICE
 PHONE: 1-800-437-4639
 METER # NEAR SITE: UNKNOWN
 PEDESTAL # NEAR SITE: 205

INDEX OF SHEETS

SHEET	DESCRIPTION	REV
T1	TITLE SHEET	0
N1	GENERAL NOTES	0
C1	SITE PLAN	0
C2	COMPOUND DETAIL	0
C3	TOWER ELEVATION	0
C4	SHELTER ELEVATIONS	0
C5	SHELTER FOUNDATION DETAILS	0
C6	GENERATOR & FUEL TANK ELEVATIONS	0
C7	GENERATOR FOUNDATION DETAILS	0
C8	ICE BRIDGE DETAILS I	0
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C10	SEWERAGE DETAILS	0
C11	SIGMAGE DETAILS	0
C12	DRIVEWAY DETAILS	0
C13	SOIL & EROSION CONTROL PLAN AND DETAILS	0
E1	ELECTRICAL NOTES	0
E2	SERVICE ROUTING PLAN & ONE LINE DIAGRAM	0
E3	TOWER & SHELTER GROUNDING PLAN	0
E4	PANELBOARD SCHEDULE	0
E5	SERVICE RACK DETAILS I	0
E5A	SERVICE RACK DETAILS II	0
E6	GROUNDING DETAILS I	0
E7	GROUNDING DETAILS II	0

PLANS PREPARED BY:

 TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-6263
 OFFICE: (919) 861-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY

DRAWN BY: SCB CHECKED BY: GNA
 SEAL:

DO NOT USE FOR CONSTRUCTION
 PRELIMINARY

DO NOT USE FOR CONSTRUCTION
 PRELIMINARY

SHEET NUMBER: T-1
 REVISION: 0
 SEP # 4-62933-524C

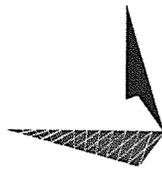
PLANS PREPARED FOR:



**AMERICAN TOWER
CONSTRUCTION**
400 REGENCY FOREST DRIVE
CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE # 176-071
ATC SITE # 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

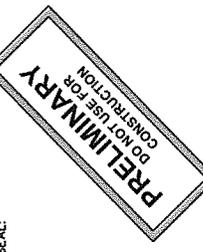
PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 861-8351
 www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY

DRAWN BY: SCD CHECKED BY: GMA

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
N-1

REVISION:
 0

TEP #: 45771-5047

1. ALL REFERENCES MADE TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED ATC OR ITS DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF NORTH CAROLINA.
3. THE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH ANS/ITIA-222-G-2-2009. THIS CONFORMS TO THE REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE, 2012 EDITION.
4. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE, 2012 EDITION.
5. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
 6. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
 7. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO MAINTAIN SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD INSTALLATION. SAFETY IS THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL REMOVE ALL DEBRIS OR THE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
 8. ALL DIMENSIONS, ELEVATIONS, AND FINISHING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN FIELD OF FIELD VERIFICATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO COMMENCE THE WORK. CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL DETERMINE THE BEST METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
 9. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY. FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
 11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE AT&T PROJECT MANAGER.
 12. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
 13. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
 14. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
 15. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROFFERED WITH FULLY LOADED/TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REMOVED OR REPLACED.
 16. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
 17. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.
 18. ALL BUILDING DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PERMITS AVAILABLE AT THE SITE AT ALL TIMES. THE OWNER SHALL PERFORM A SET OF APPROVED PERMITS AVAILABLE AT THE SITE AT ALL TIMES. THE CONTRACTOR SHALL HAVE A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.
19. ANY BUILDINGS ON THIS SITE ARE INTENDED TO SHELTER EQUIPMENT WHICH WILL ONLY BE PERIODICALLY MAINTAINED AND ARE NOT INTENDED FOR HUMAN OCCUPANCY.
20. TEMPORARY FACILITIES FOR PROTECTION OF TOOLS AND EQUIPMENT SHALL CONFORM TO LOCAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
21. RENTAL CHARGES, SAFETY, PROTECTION AND MAINTENANCE OF RENTED EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
22. THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CARRY LIABILITY INSURANCE IN THE AMOUNTS AND FORM IN ACCORDANCE WITH AT&T SPECIFICATIONS. CERTIFICATES DEMONSTRATING PROOF OF COVERAGE SHALL BE PROVIDED TO AT&T PRIOR TO THE START OF THE WORK ON THE PROJECT.
23. THESE DOCUMENTS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. SAFETY CARE OF ADJACENT PROPERTIES AND COMPLIANCE WITH STATE AND FEDERAL REGULATIONS REGARDING SAFETY, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
24. THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY SERVICES TO VERIFY LOCATIONS OF EXISTING UTILITIES AND REQUIREMENTS FOR NEW UTILITY CONNECTIONS PRIOR TO EXCAVATING.
25. THE CONTRACTOR SHALL MAINTAIN THE JOB CLEAR OF TRASH AND DEBRIS. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE JOB SITE. ALL TRASH, 55 GALLON BARREL, AND TRASH BAGS, AND SHALL REMOVE TRASH, DEBRIS, ETC., ON A DAILY BASIS.
26. COSTS FOR BUILDING PERMITS, LANDFILL TAXES, USE TAXES, SALES TAXES AND OTHER CHARGES RELATIVE TO CONSTRUCTION OF THIS PROJECT SHALL BE INCLUDED IN THE CONTRACT PRICE.
27. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL CONDITIONS PRIOR TO SUBMITTING HIS PROPOSAL. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS WITH THOSE AT THE SITE. ANY VARIATION WHICH REQUIRES PHYSICAL CHANGE SHALL BE BROUGHT TO THE ATTENTION OF THE ATC PROJECT ENGINEER FOR FACILITIES/CONSTRUCTION.
28. THE CONTRACTOR SHALL GUARANTEE THE WORK PERFORMED ON THE PROJECT BY THE CONTRACTOR AND ANY OR ALL OF THE SUBCONTRACTORS WHO PERFORMED WORK FOR THE CONTRACTOR ON THIS PROJECT. THE GUARANTEE SHALL BE FOR A FULL YEAR FOLLOWING ISSUANCE OF THE FINAL PAYMENT OF RETAINAGE.

GENERAL NOTES

PLANS PREPARED FOR:
AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27624
 (HYDE COUNTY)

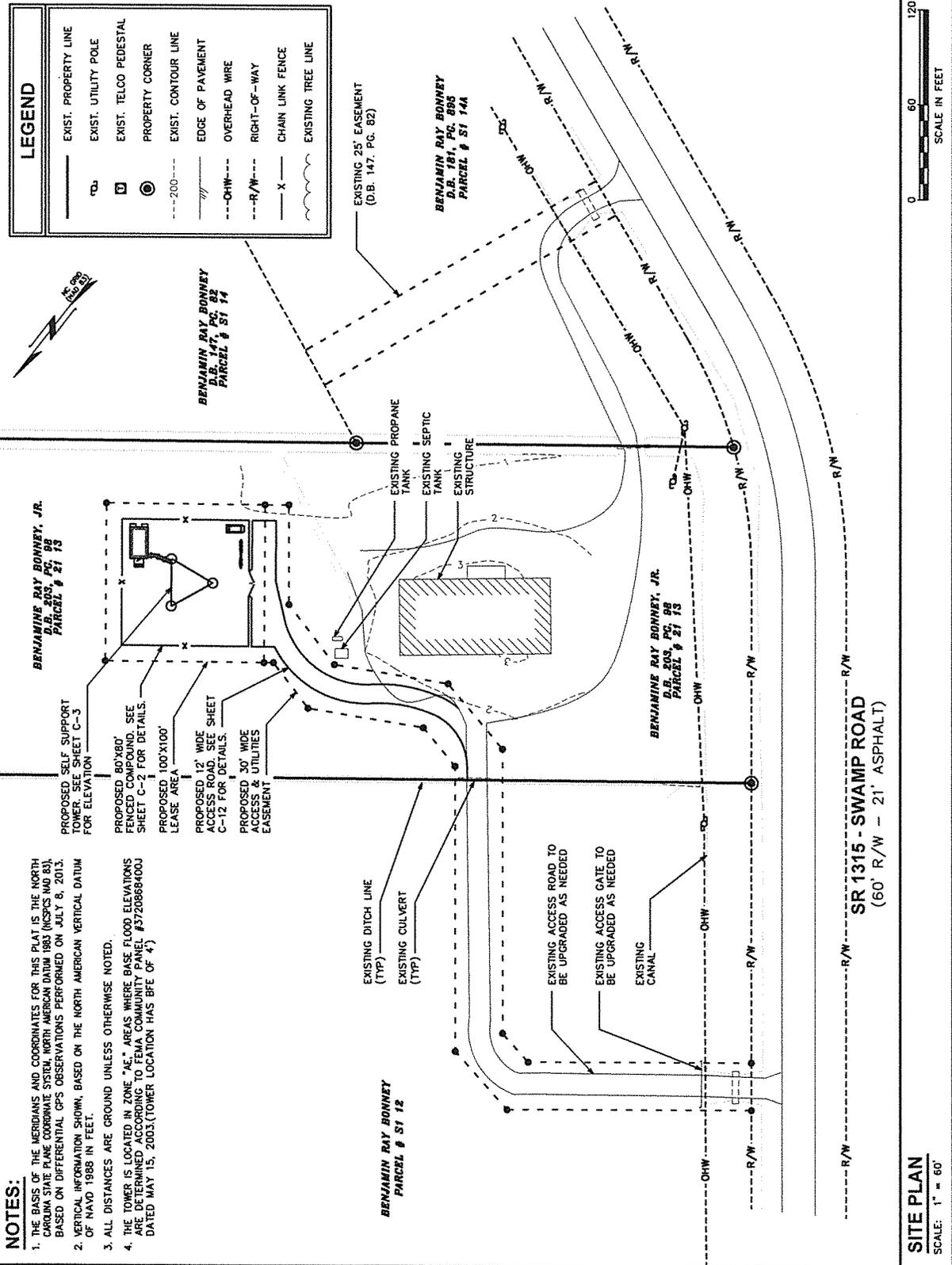
PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 661-5351
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REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY
DRAWN BY: SCD CHECKED BY: GMA		

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C-1
 REVISION: 0
 TEP # 46271-5047



PLANS PREPARED FOR:
AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

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PLANS PREPARED BY:
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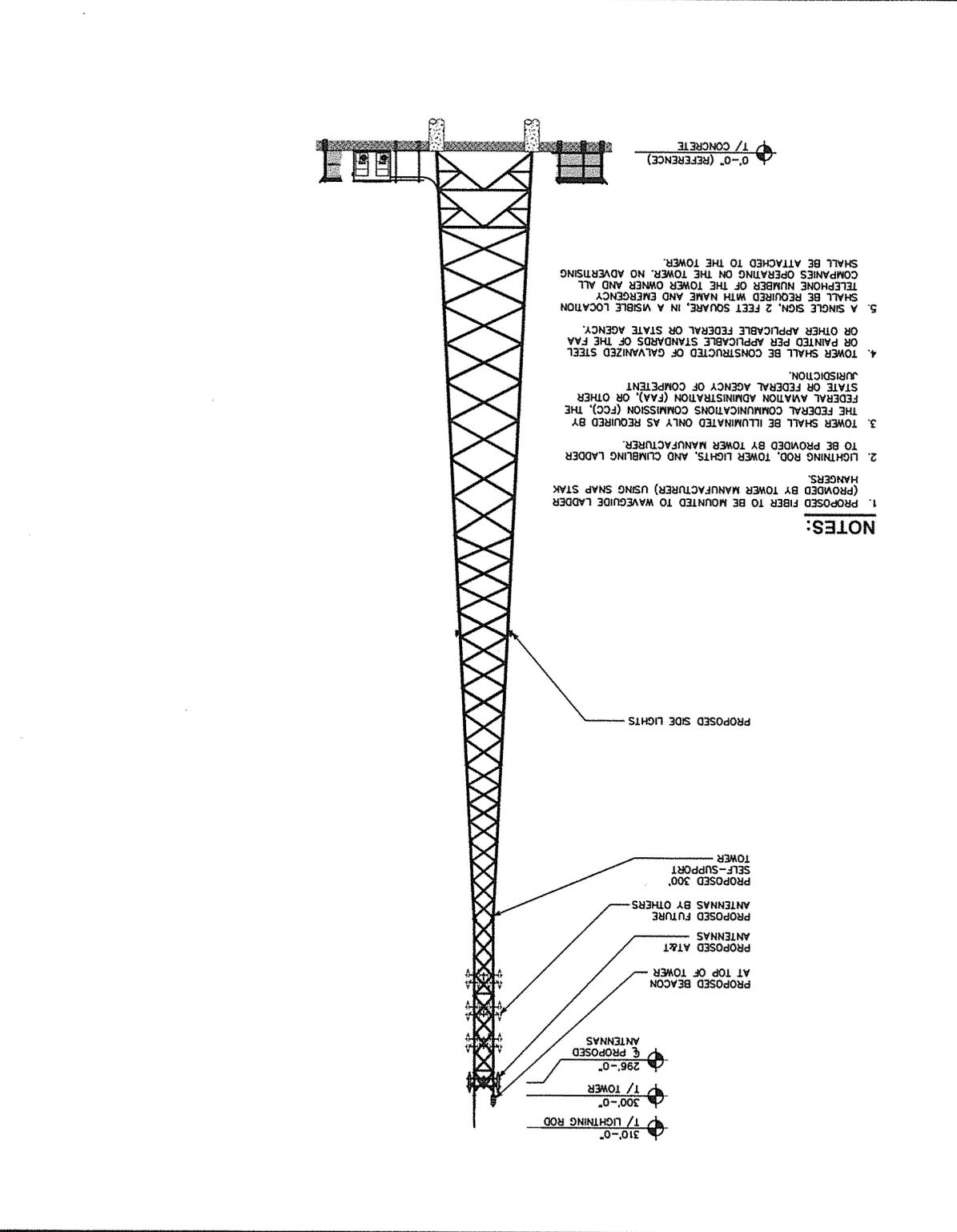
SEAL:
PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY

DRAWN BY: SCD CHECKED BY: GMA
 SHEET TITLE:
TOWER ELEVATION

SHEET NUMBER: **C-3** REVISION: **0**
 TEP #: 46771-5047

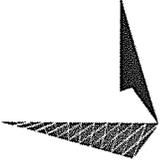
SCALE: 1" = 30'
 SCALE IN FEET
 0 30 60



- NOTES:**
1. PROPOSED FIBER TO BE MOUNTED TO WAVEGUIDE LADDER HANGERS.
 2. LIGHTNING ROD, TOWER LIGHTS, AND CLIMBING LADDER TO BE PROVIDED BY TOWER MANUFACTURER.
 3. TOWER SHALL BE ILLUMINATED ONLY AS REQUIRED BY THE FEDERAL COMMUNICATIONS COMMISSION (FCC), THE FEDERAL AVIATION ADMINISTRATION (FAA), OR OTHER STATE OR FEDERAL AGENCY OF COMPETENT JURISDICTION.
 4. TOWER SHALL BE CONSTRUCTED OF GALVANIZED STEEL OR PAINTED PER APPLICABLE STANDARDS OF THE FAA OR OTHER APPLICABLE FEDERAL OR STATE AGENCY.
 5. A SINGLE SIGN, 2 FEET SQUARE, IN A VISIBLE LOCATION SHALL BE REQUIRED WITH NAME AND EMERGENCY TELEPHONE NUMBER OF THE TOWER OWNER AND ALL COMPANIES OPERATING ON THE TOWER. NO ADVERTISING SHALL BE ATTACHED TO THE TOWER.

PLANS PREPARED FOR:
AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 864-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

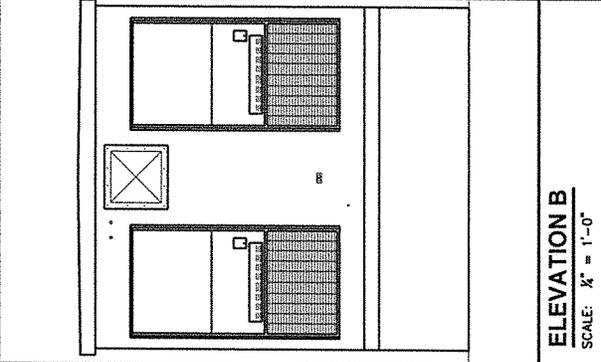
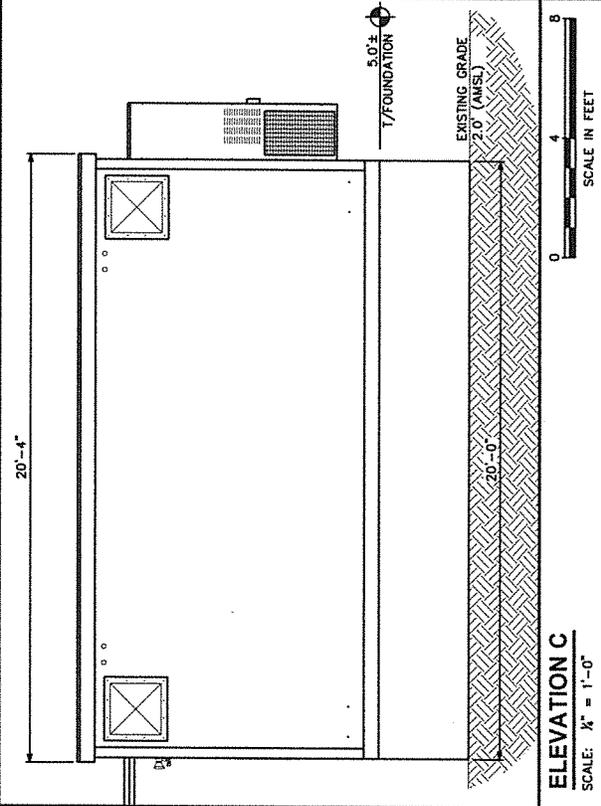
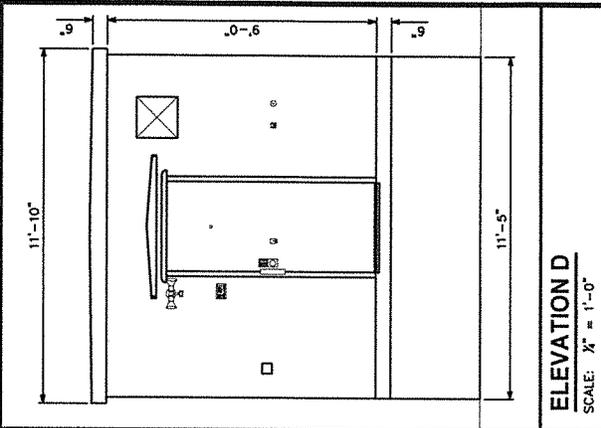
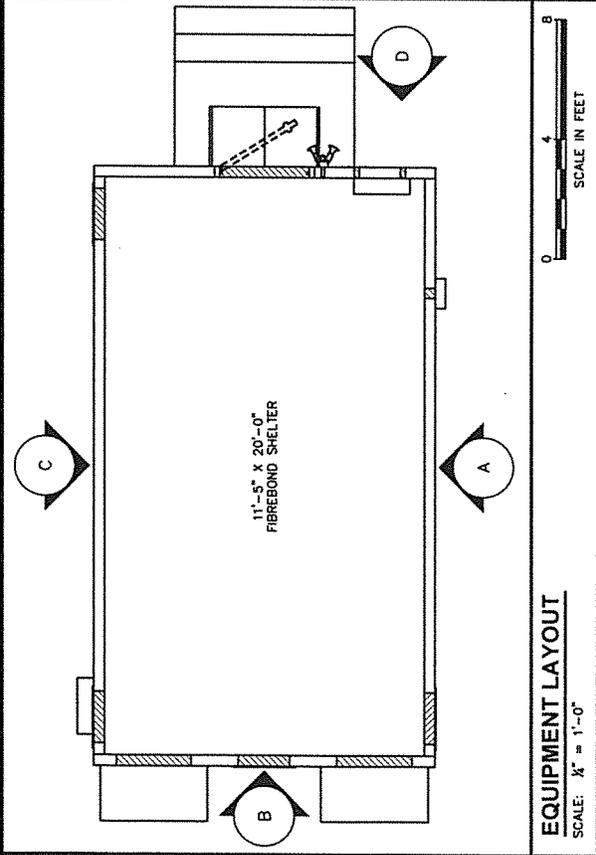
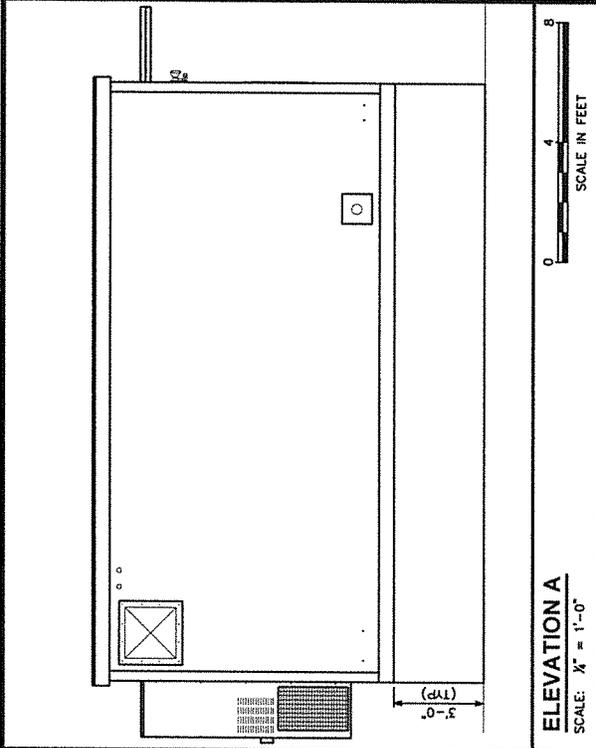
SEAL:

PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY
DRAWN BY: SGB		
CHECKED BY: GMA		

SHEET TITLE:
SHELTER ELEVATIONS

SHEET NUMBER:
C-4
 REVISION: **0**
 TEP # - 46771-5047



PLANS PREPARED FOR:

AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:

AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 664-6351
 WWW.TEPGROUP.NET

N.C. LICENSE # C-1794

SEAL:

PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY
DRAWN BY: SCD CHECKED BY: GMA		

SHEET TITLE:

SHELTER FOUNDATION DETAILS

SHEET NUMBER: **C-5**

REVISION: **0**

TEP # 46771-5047

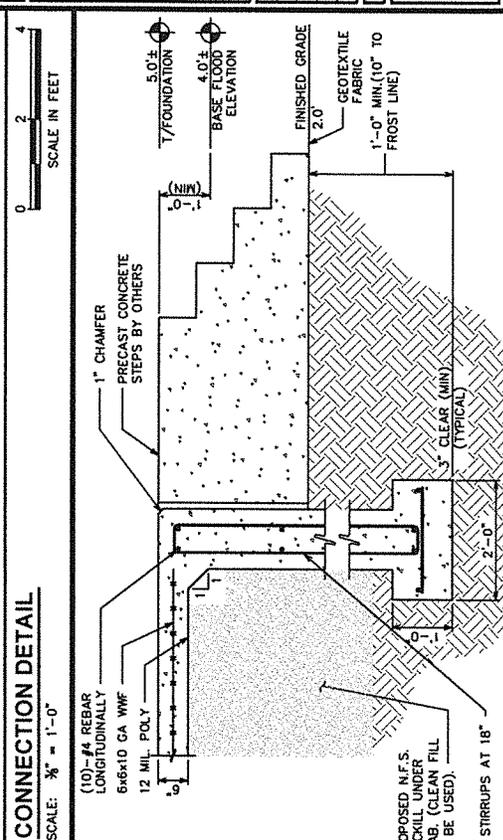
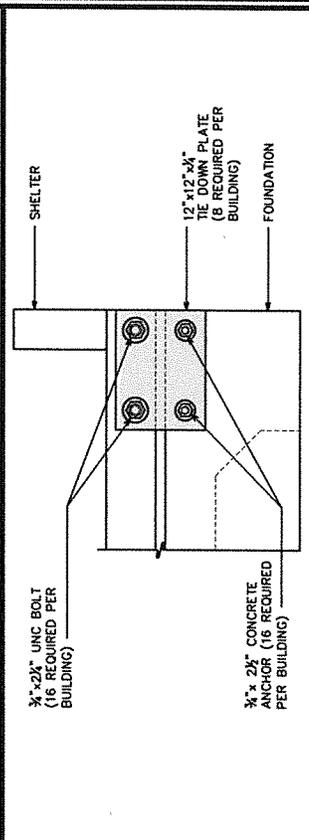
GENERAL STRUCTURAL NOTES:

SPECIFICATION/CODES:

1. CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE ACI CODE.
2. REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".
3. DESIGN SHALL BE PER NORTH CAROLINA STATE BUILDING CODE, 2012 EDITION.

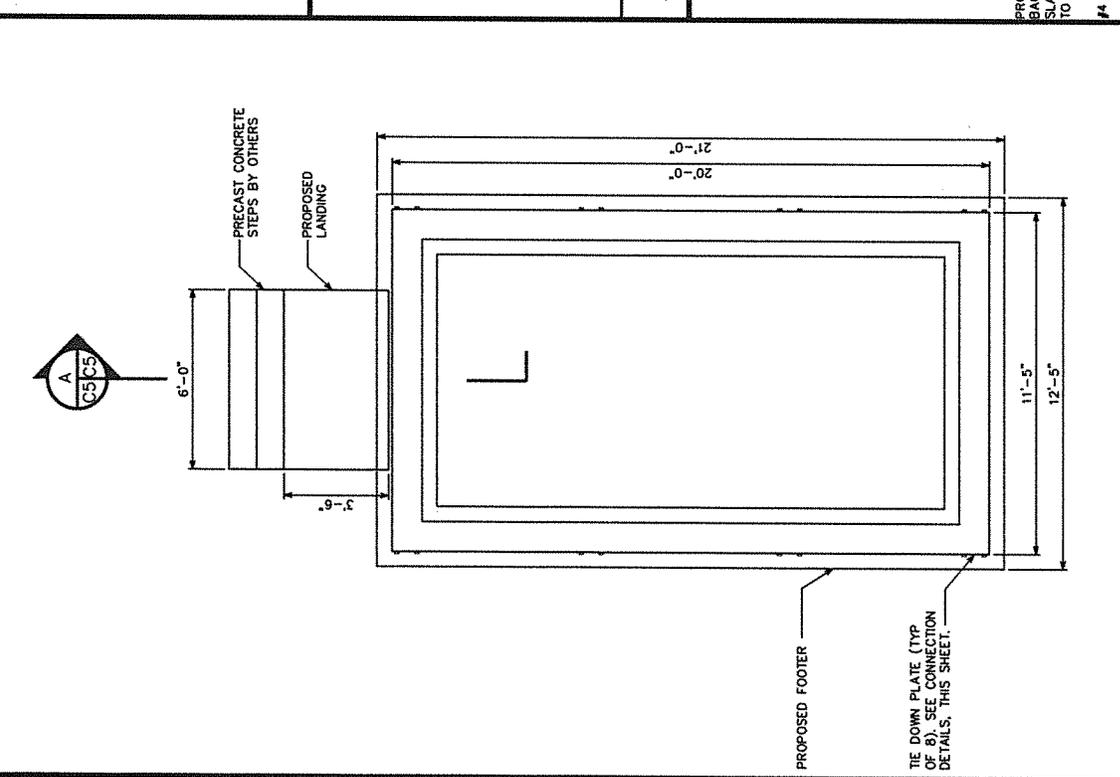
FOUNDATION NOTES:

1. FOUNDATION DESIGN BASED ON 2000 PSF SOIL BEARING CAPACITY. IF OTHER CONDITIONS EXIST, FOUNDATION SHALL BE REDESIGNED. CONTRACTOR SHALL HAVE SOIL BEARING CAPACITY VERIFIED BY A LICENSED PROFESSIONAL GEOTECHNICAL ENGINEER PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES.
2. CONCRETE SHALL BE 2,500 PSI.
3. REBAR $F_y = 60,000$ PSI.
4. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED TO A MINIMUM OF 95% DENSITY USING THE MODIFIED PROCTOR METHOD.



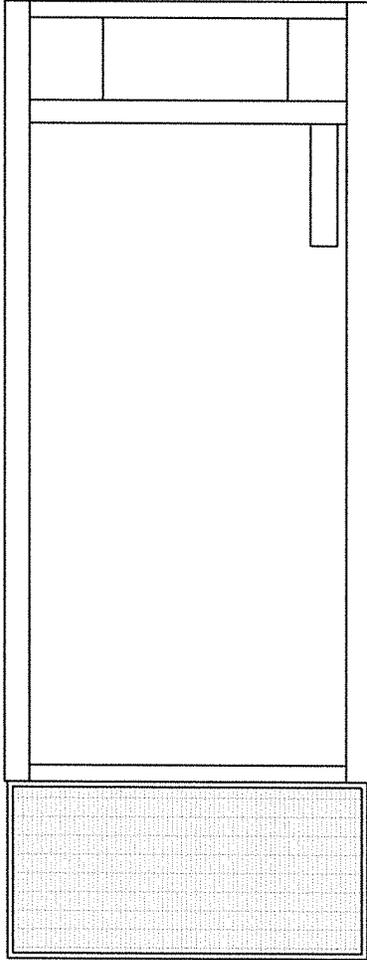
CONNECTION DETAIL
 SCALE: $\frac{3}{8}'' = 1'-0''$

PAD SECTION
 SCALE: $\frac{3}{8}'' = 1'-0''$

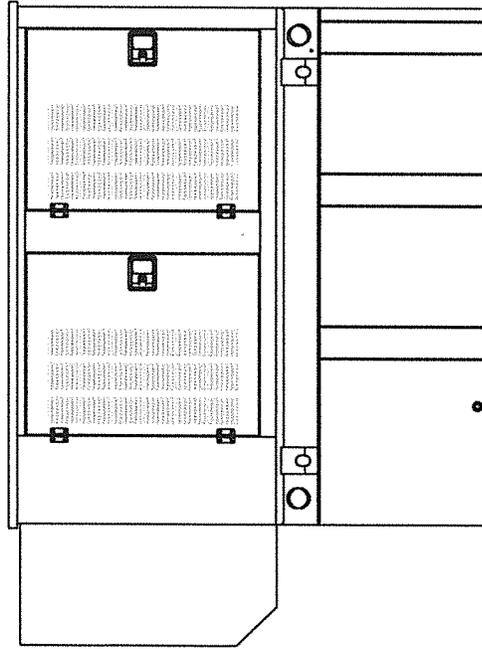


SHELTER FOUNDATION PLAN
 SCALE: $\frac{3}{8}'' = 1'-0''$

GENERATOR NOTE:
 80KW INDUSTRIAL DIESEL GENERATOR
 BY GENERAC. CONTRACTOR TO VERIFY
 DIMENSIONS WITH MANUFACTURER.

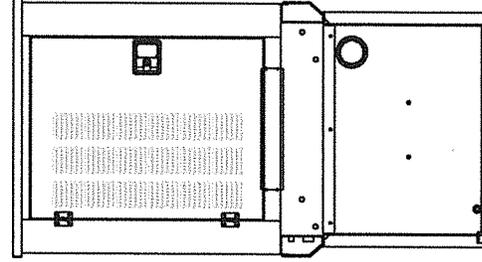


GENERATOR LAYOUT
 SCALE: N.T.S.



NOTE:
 ANCHOR GENERATOR FUEL TANK TO
 CONCRETE PAD PER GENERAC
 DESIGN DRAWINGS.

ELEVATION A
 SCALE: N.T.S.



ELEVATION B
 SCALE: N.T.S.

PLANS PREPARED FOR:

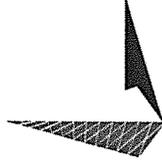


AMERICAN TOWER
 CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:

AT&T SITE #: 176-071
 ATC SITE #: 280900
 ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

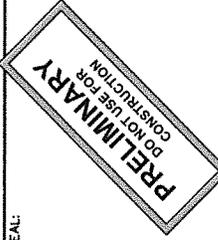
PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 664-6351
 www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY
DRAWN BY: SCB CHECKED BY: GMA		

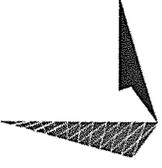
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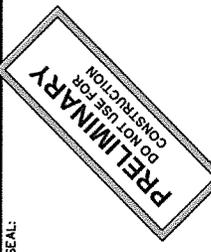
**GENERATOR & FUEL
 TANK ELEVATIONS**

SHEET NUMBER: **C-6** REVISION: **0**
 TEP # 46771-5047

PLANS PREPARED FOR:
AMERICAN TECHNIUM CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

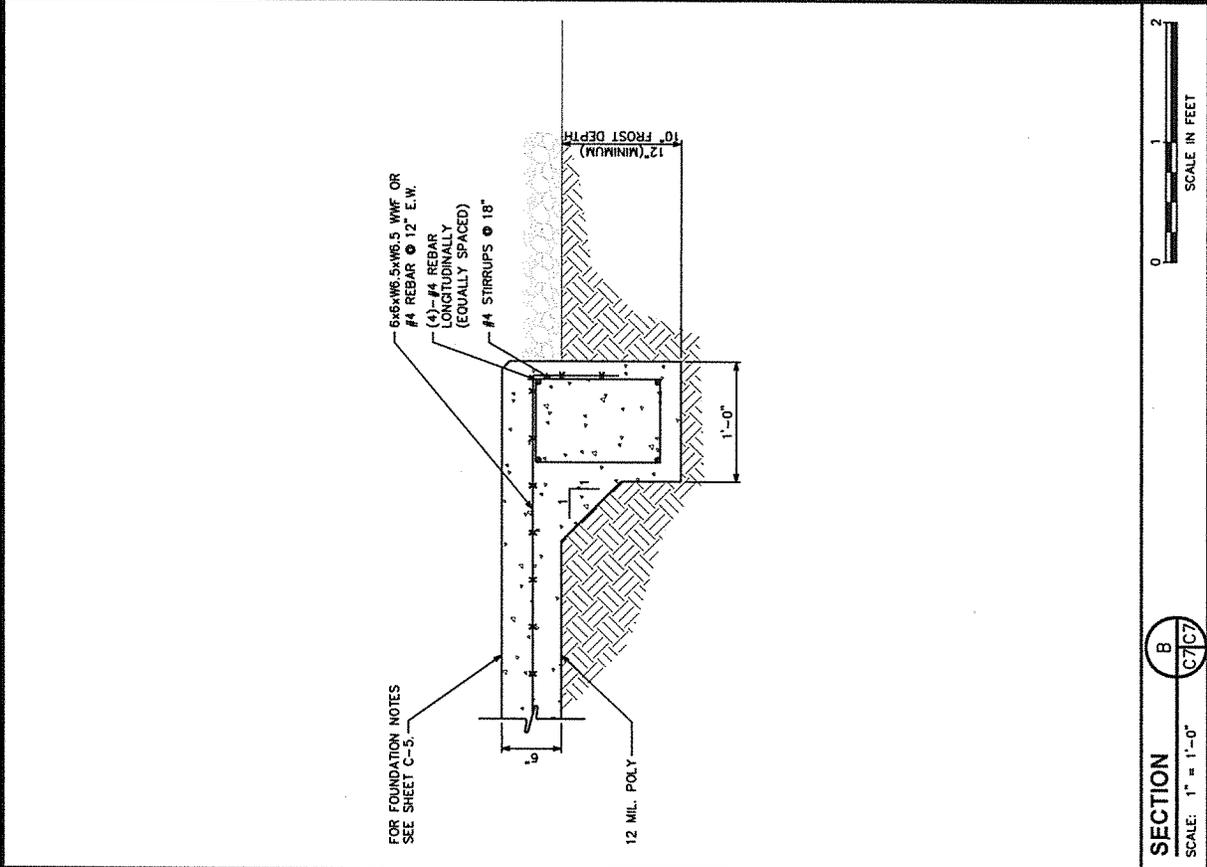
PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 661-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

SEAL:

PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR
0	07-10-13	PRELIMINARY

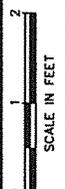
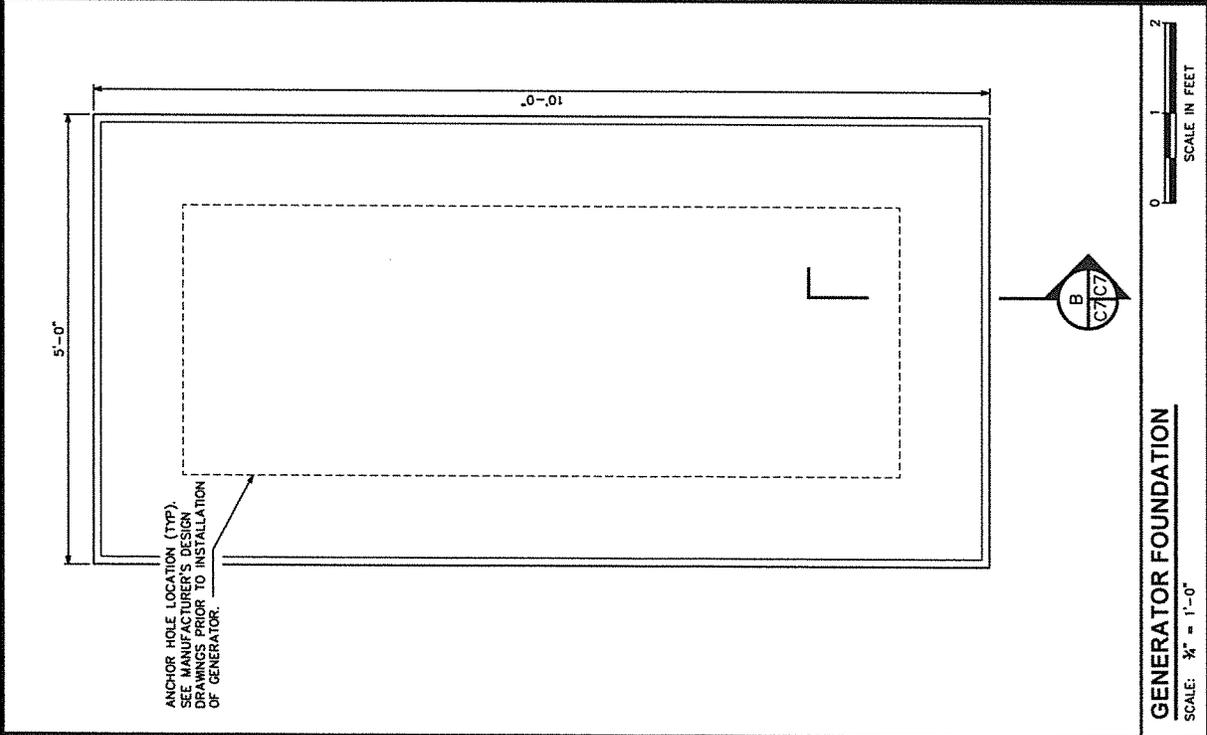
DRAWN BY: SCB | CHECKED BY: GMA
 SHEET TITLE:
GENERATOR FOUNDATION DETAILS

SHEET NUMBER: **C-7**
 REVISION: 0
 TEP #: 46771-5047



SECTION **B**
C7/C7

SCALE: 1" = 1'-0"



GENERATOR FOUNDATION
 SCALE: 3/4" = 1'-0"

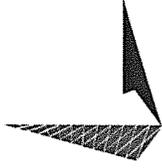
PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
SWAMP RD
ENGELHARD, NC 27824
(HYDE COUNTY)

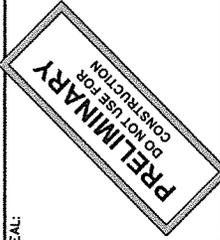
PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-5263
OFFICE: (919) 664-6351
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:

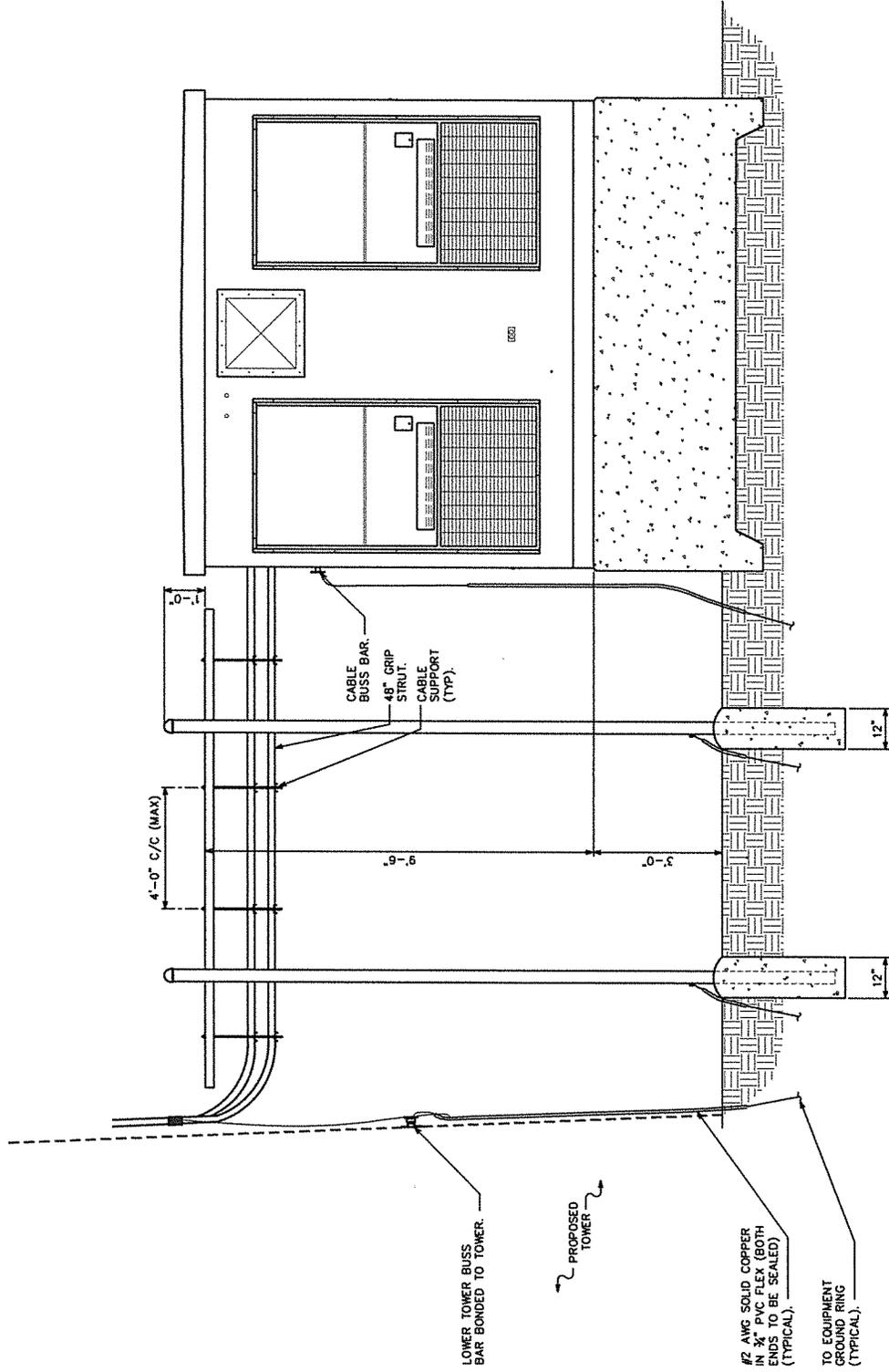


REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY

DRAWN BY: CSN CHECKED BY: GMA
SHEET TITLE:

ICE BRIDGE
DETAILS I

SHEET NUMBER: **C-8** REVISION: 0
TEP # 46271-5047

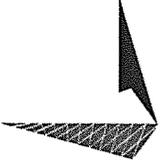


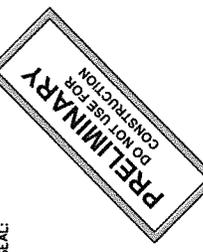
ICE BRIDGE DETAILS

SCALE: N.T.S.

PLANS PREPARED FOR:
AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 861-8351
 www.tepgroup.net
 N.C. LICENSE # C-1794

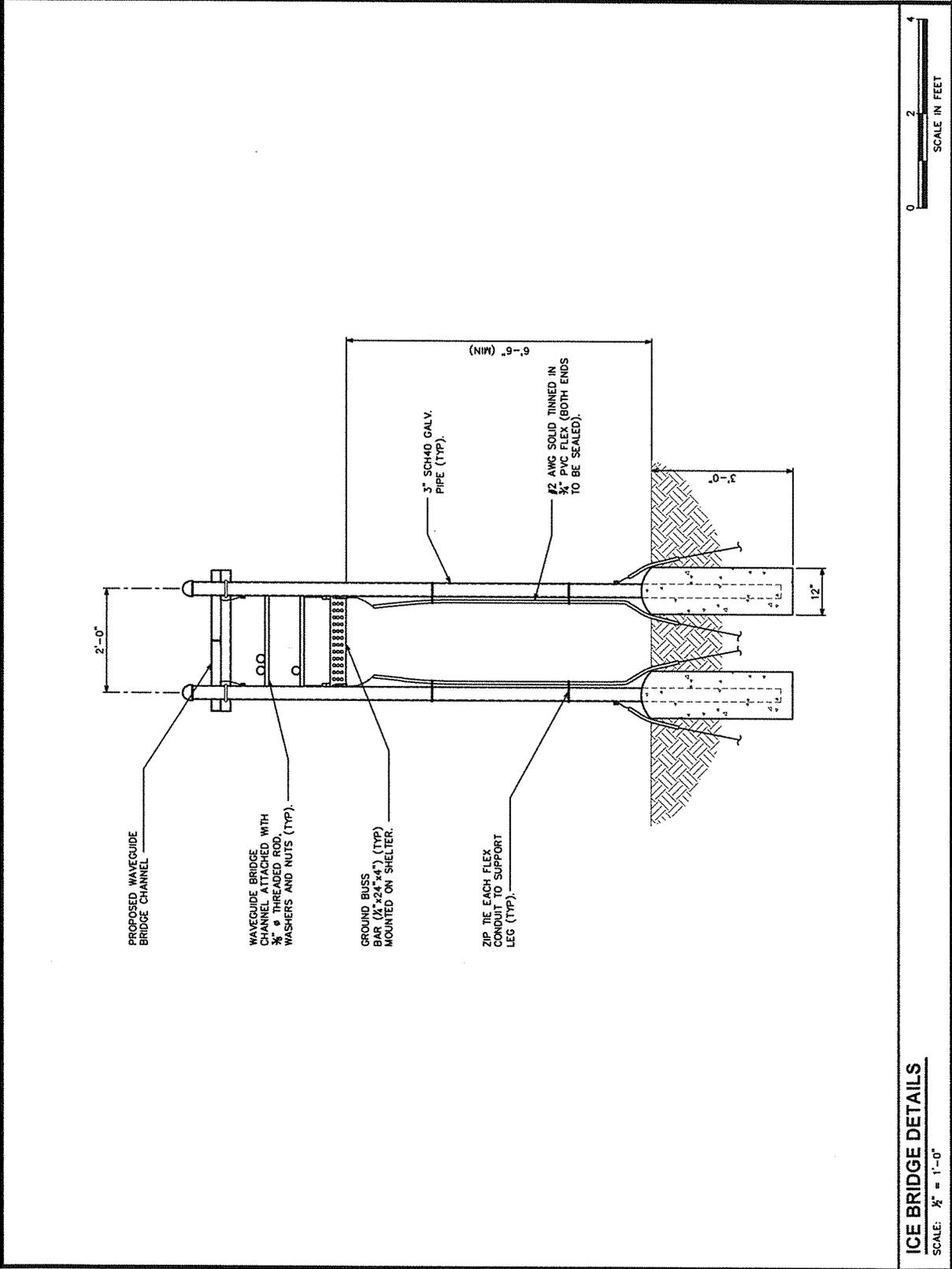
SEAL:


REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY

DRAWN BY: JIM CHECKED BY: JAS

SHEET TITLE:
ICE BRIDGE DETAILS II

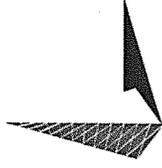
SHEET NUMBER: **C-9** REVISION: 0
 IEP # 46771-5047



PLANS PREPARED FOR:
AMERICAN WATER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SWAMP RD
 ENGLHARD, NC 27824
 (HYDE COUNTY)

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 861-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

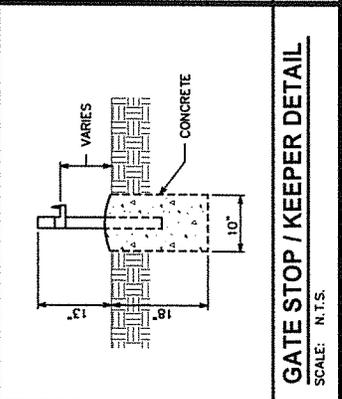
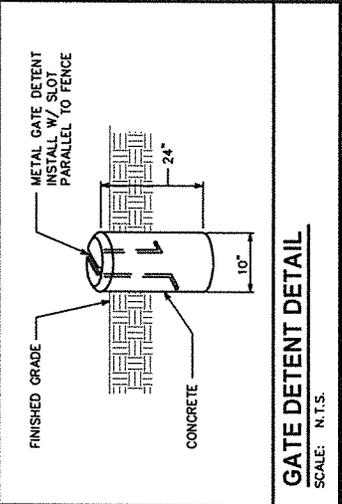
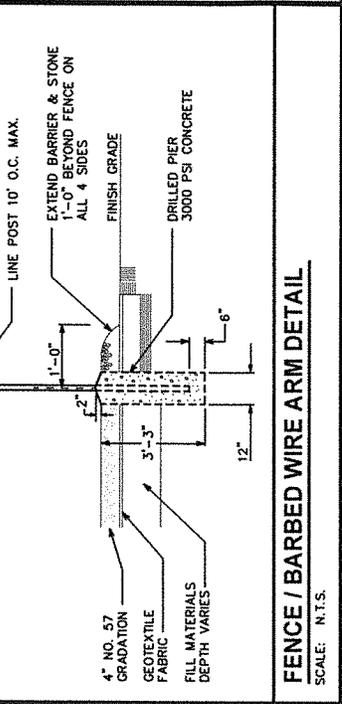
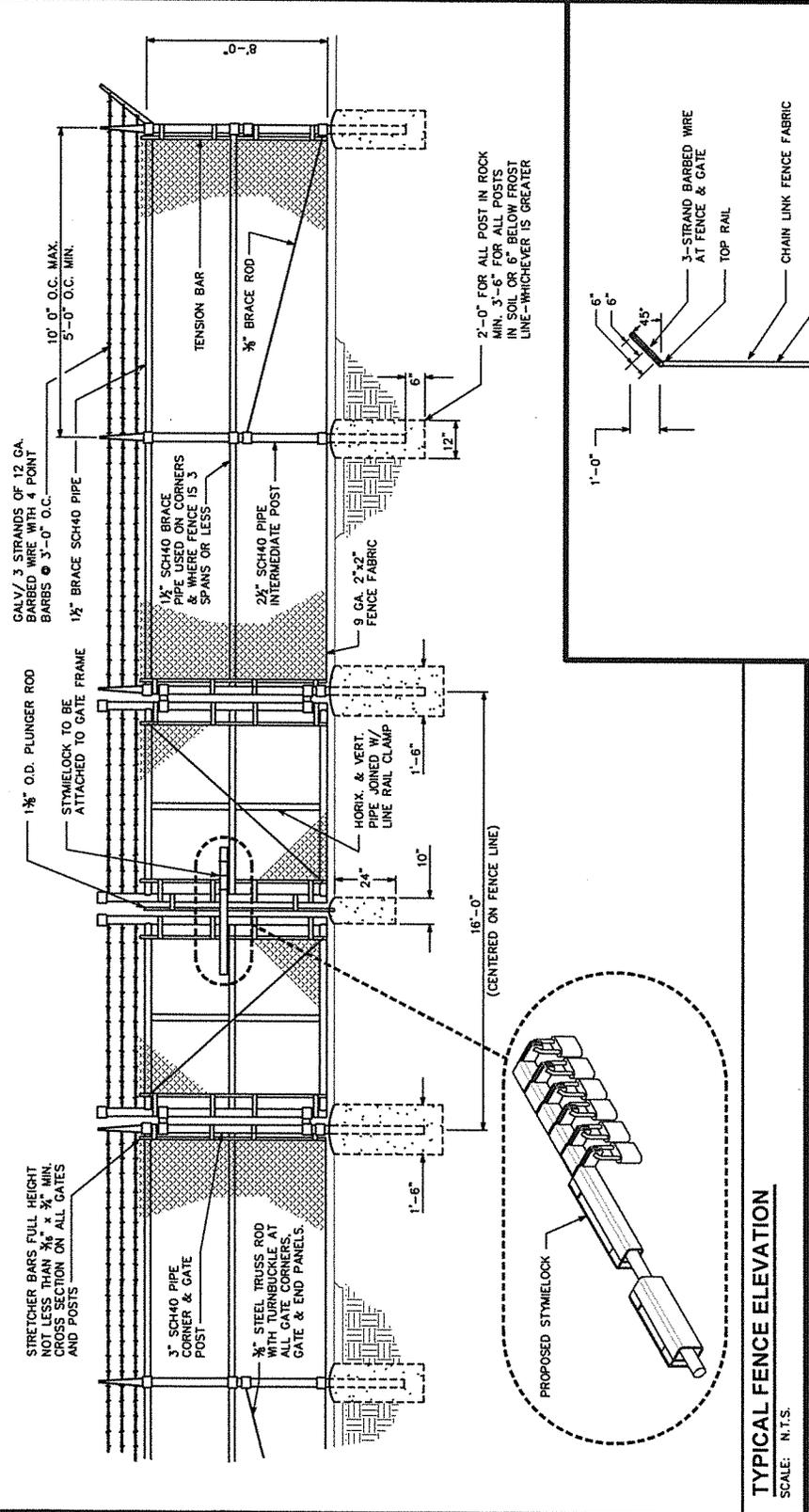


SEAL:
PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
0	07.10.13	PRELIMINARY
DRAWN BY: SCB CHECKED BY: GAA		

SHEET TITLE:
FENCE DETAILS

SHEET NUMBER: **C-10**
 REVISION: **0**
 TEP #: 46771-5047



TYPICAL FENCE ELEVATION
 SCALE: N.T.S.

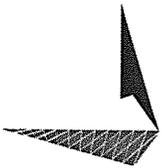
FENCE / BARBED WIRE ARM DETAIL
 SCALE: N.T.S.

GATE DETENT DETAIL
 SCALE: N.T.S.

GATE STOP / KEEPER DETAIL
 SCALE: N.T.S.

PLANS PREPARED FOR:
AMERICAN TOWER CORPORATION
 400 BEGIC FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SHAMP, NC 27824
 ENGELHARD, NC 27824
 (HYDE COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 661-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

SEAL:


REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY
DRAWN BY: SCB CHECKED BY: GMA		
SHEET TITLE:		

SHEET NUMBER: **C-11**
 REVISION: **0**
 TEP #: 46771-5047

INFORMATION

AMERICAN TOWER operates telecommunications equipment at this location.
 Stay back a minimum of 3 feet from any antenna. Obey all posted signs and guidelines.
 Do not cross into areas restricted by striping and/or barriers.
 Contact the owner(s) of the antenna(s) and follow their instructions prior to performing any repairs or modifications within the restricted area of closer than 3 feet from the antenna.
 Contact AMERICAN TOWER at 1-800-830-3365 prior to doing any work near AMERICAN TOWER structures. This is site #-----.
 Contact the management office if this door/hatch/gate is found unlocked.

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

FCC TOWER REGISTRATION NO.:
0123456789

⑦ WHITE BACKGROUND W/ BLACK LETTERING
 QUANTITY: (1)
 (TO BE MOUNTED ON COMPOUND ACCESS GATE - SEE NOTE 5)
 NOTE: NUMBER SHOWN IS GENERIC. CONTACT CONSTRUCTION MANAGER FOR ACTUAL FCC TOWER REG. #.

NOTES:

- SIGNS SHALL MEASURE 8"x12". BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL, AND PAINTED WITH LONG LASTING UV RESISTANT COATINGS.
- SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER GATE AND FENCE USING A MINIMUM OF 3 GAUGE ALUMINUM WIRE HOG RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.
- AMERICAN TOWER SITE # AND EMERGENCY CONTACT # SHALL BE MOUNTED ON THE UNIVERSAL POWER CABINET DOOR ADJACENT TO THE COMPOUND ENTRY WITH PERMANENT SET ADHESIVE. TWO-SIDED TAPE SHALL BE UTILIZED AT EACH CORNER ON THE BACKSIDE TO AID PLACEMENT UNTIL ADHESIVE SETS.
- ADDITIONAL E911 ADDRESS SIGNS ARE REQUIRED AT EACH ACCESS ROAD GATE LEADING TO THE COMPOUND AS WELL AS ON THE COMPOUND GATE ITSELF. LETTERING ON 911 ADDRESS SIGNS MUST BE A MINIMUM OF 6" TALL.
- ADDITIONAL FCC REGISTRATION # SIGNS ARE REQUIRED AT EACH ACCESS ROAD GATE LEADING TO THE COMPOUND AS WELL AS ON THE COMPOUND GATE ITSELF.
- RECOMMENDED SOURCE FOR OBTAINING SIGNAGE:
 ST. CLAIR SIGNS
 3184 WADE HAMPTON BLVD.
 TAYLORS, SC 29687
 (864) 244-0040
 RF EXPOSURE SIGNS
 RICHARD TELL ASSOCIATES
 3433 RINGSTAR ROAD, SUITE 3
 NORTH LAS VEGAS, NV 89030
 (702) 645-3358

NOTICE



Radio Frequency fields beyond this point may exceed the FCC general public exposure limit.
 RF EXPOSURE SIGNS ARE REQUIRED AT EACH ACCESS ROAD GATE LEADING TO THE COMPOUND AS WELL AS ON THE COMPOUND GATE ITSELF.

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

000

⑤ WHITE BACKGROUND W/ BLACK LETTERING
 E911 STREET #
 QUANTITY: (1 TYP)
 LETTERS MUST BE A MINIMUM 6" TALL
 (TO BE MOUNTED ON THE GATE OF COMPOUND)

- ① SITE IDENTIFICATION SIGN
- ② FCC/RF EXPOSURE SIGN
- ③ AUTHORIZED ENTRY SIGN
- ④ TOWER CLIMBING SIGN
- ⑤ STREET ADDRESS SIGN
- ⑥ INFORMATION RF EXPOSURE SIGN
- ⑦ TOWER REGISTRATION SIGN

property of 

AUTHORIZED PERSONNEL ONLY!

In case of emergency or prior to performing maintenance on this site, call 1-800-638-2822 and reference cell site number: _____

① WHITE/BLUE BACKGROUND W/ BLACK LETTERING
 QUANTITY: (1)
 SIZE: 9"x12"
 (TO BE MOUNTED ON UNIVERSAL POWER CABINET DOOR ADJACENT TO COMPOUND ENTRY - SEE NOTE 3)

NO TRESSPASSING
 VIOLATORS WILL BE PROSECUTED

property of 

In case of emergency or prior to performing maintenance on this site, call 1-800-638-3365 and reference cell site number: _____

③ WHITE/RED BACKGROUND W/ BLACK LETTERING
 QUANTITY: (4)
 SIZE: 12"x12"
 (ONE TO BE MOUNTED ON EACH SIDE OF COMPOUND FENCE)

DO NOT CLIMB TOWER WITHOUT OWNER'S WRITTEN PERMISSION

④ WHITE BACKGROUND W/ RED LETTERING
 QUANTITY: (1)
 (TO BE MOUNTED AT EYE LEVEL ON TOWER NEAR SAFETY CLIMB)

TYPICAL SIGNS AND SPECIFICATIONS
 SCALE: N.T.S.

PLANS PREPARED FOR:
AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
ATC SITE #: 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 661-6351
 www.tegpro.com
 N.C. LICENSE # C-1794

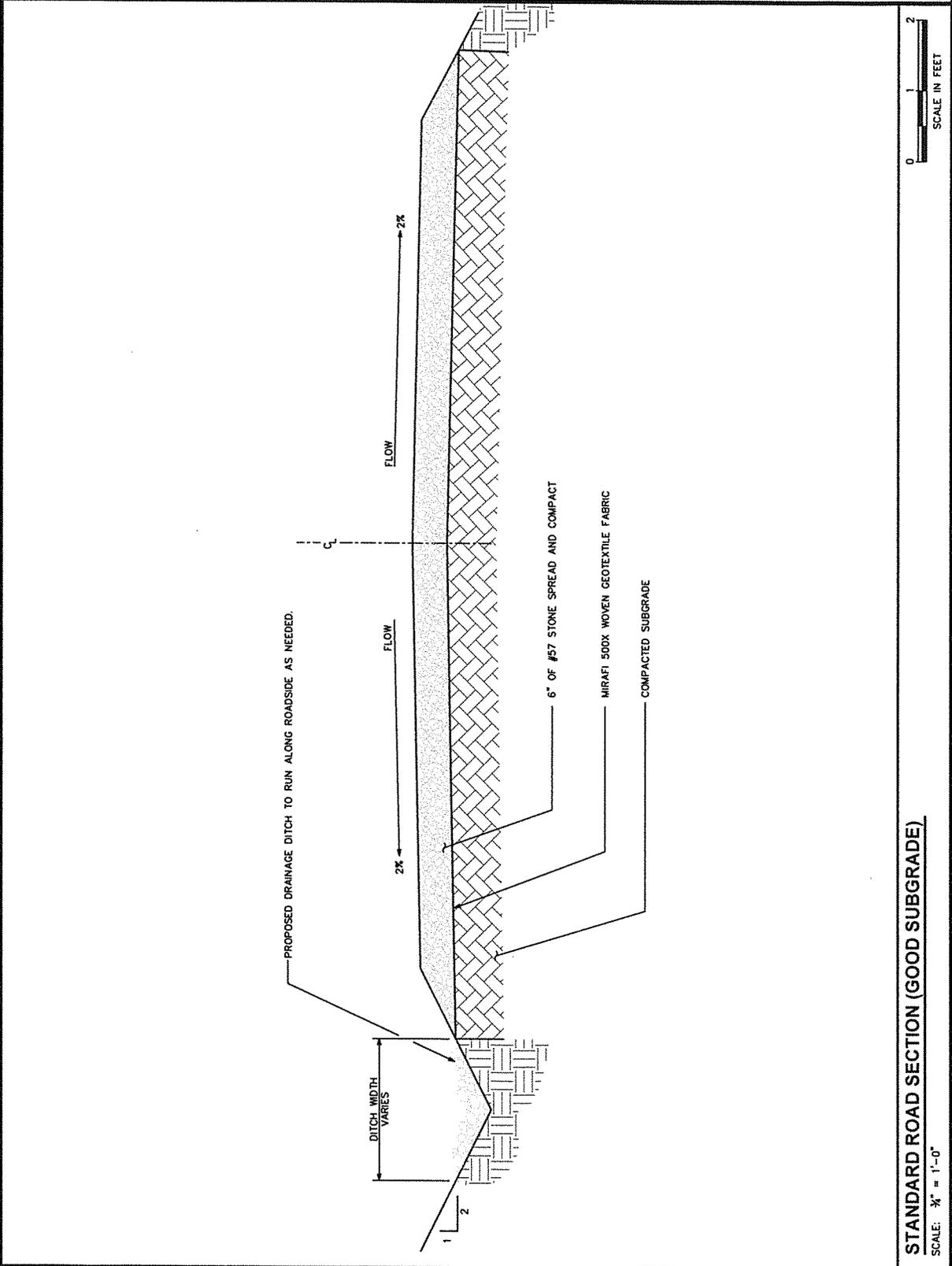
SEAL:
PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR
0	07-10-13	PRELIMINARY

DRAWN BY: SCB CHECKED BY: GMA

SHEET TITLE:
DRIVEWAY DETAILS

SHEET NUMBER:
C-12
 REVISION: 0
 TEP #: 46271-5047



STANDARD ROAD SECTION (GOOD SUBGRADE)

SCALE: 1" = 2'-0"

PLANS PREPARED FOR:
AMERICAN TOPOGRAHY GROUP
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE # 176-071
ATC SITE # 280900
ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

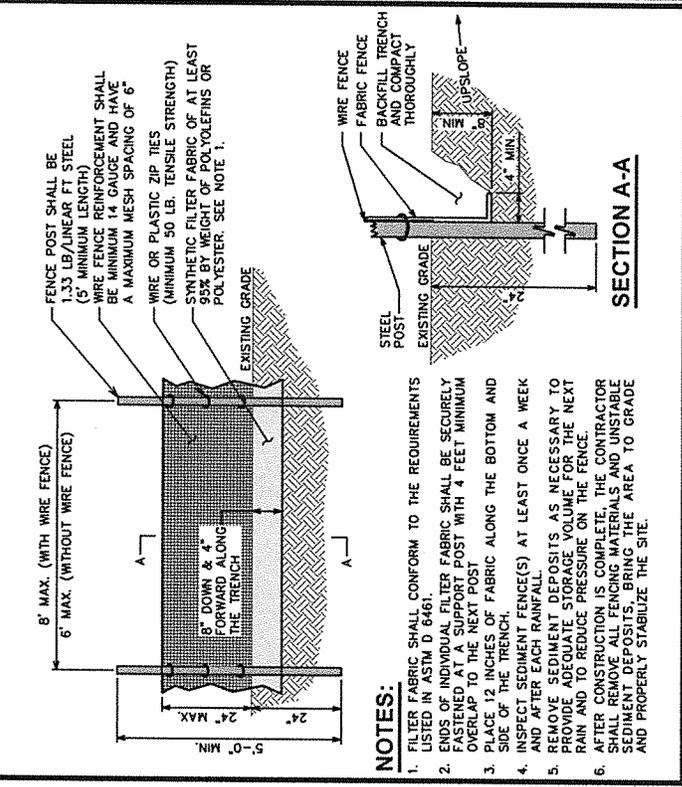
PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 661-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

SEAL:
PRELIMINARY
 DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
0	07-10-13	PRELIMINARY
DRAWN BY: SCD CHECKED BY: GVA		

SHEET TITLE:
SOIL & EROSION CONTROL PLAN AND DETAILS

SHEET NUMBER:
C-13
 REVISION: 0
 TEP # 46771-5047



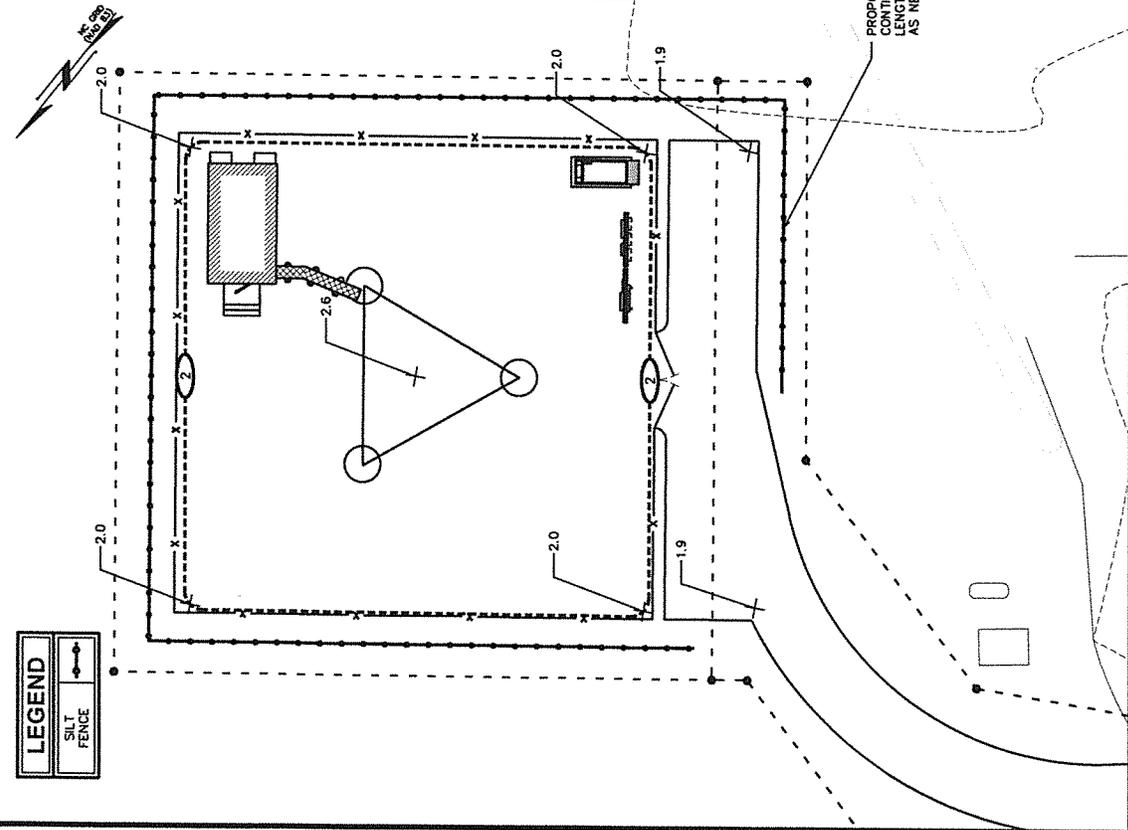
FENCE POST SHALL BE 1.33 LB/LINEAR FT STEEL (5' MINIMUM LENGTH)
 WIRE FENCE REINFORCEMENT SHALL BE MINIMUM 14 GAUGE AND HAVE A MAXIMUM MESH SPACING OF 6"
 WIRE OR PLASTIC ZIP TIES (MINIMUM 50 LB. TENSILE STRENGTH)
 SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER. SEE NOTE 1.
 EXISTING GRADE

- NOTES:**
1. FILTER FABRIC SHALL CONFORM TO THE REQUIREMENTS LISTED IN ASTM D 6461.
 2. ENDS OF INDIVIDUAL FILTER FABRIC SHALL BE SECURELY FASTENED AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST
 3. PLACE 12 INCHES OF FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
 4. INSPECT SEDIMENT FENCE(S) AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL.
 5. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE.
 6. AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS, BRING THE AREA TO GRADE AND PROPERLY STABILIZE THE SITE.

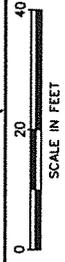
STANDARD SILT FENCE DETAIL
 SCALE: N.T.S.

GRADING NOTE:
 CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE ACROSS COMPOUND.

PROPOSED SILT FENCE TO CONTINUE THE ENTIRE LENGTH OF ACCESS DRIVE AS NEEDED



SOIL & EROSION CONTROL PLAN
 SCALE: 1" = 20'



ELECTRICAL NOTES:

SCOPE:

- SHALL INCLUDE ALL LABOR, MATERIALS AND APPLIANCES REQUIRED FOR THE FURNISHING, INSTALLING AND TESTING, COMPLETE AND READY FOR OPERATION OF ALL WORK SHOWN ON THE DRAWING AS SPECIFIED HEREIN:
- ELECTRIC SERVICE
- CONDUIT AND RACEWAY
- CONDUCTORS
- MISCELLANEOUS MATERIALS
- TELEPHONE CONDUITS
- LIGHTNING ARRESTING SYSTEM

CODES

- THE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS AND CODES. THESE INCLUDE BUT ARE NOT LIMITED TO THE LATEST EDITIONS OF:
 - THE NATIONAL ELECTRICAL SAFETY CODE
 - LOCAL AND STATE AMENDMENTS
 - THE NATIONAL ELECTRIC CODE - NFPA-70
 - REGULATIONS OF THE SERVING UTILITY COMPANY
 - THE INTERNATIONAL ELECTRIC CODE - IEC
 - F, NCEC
- ALL PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR.
- AFTER COMPLETION AND FINAL INSPECTION OF THE WORK, THE OWNER SHALL BE FURNISHED A CERTIFICATE OF COMPLETION AND APPROVAL.

TESTING

- UPON COMPLETION OF THE INSTALLATION, OPERATE AND ADJUST ALL EQUIPMENT AND SYSTEMS TO MEET SPECIFIED PERFORMANCE REQUIREMENTS. ALL TESTING SHALL BE DONE BY QUALIFIED PERSONNEL.

GUARANTEE

- IN ADDITION TO THE GUARANTEE OF THE EQUIPMENT BY THE MANUFACTURER, EACH PIECE OF EQUIPMENT SPECIFIED HEREIN SHALL ALSO BE GUARANTEED FOR DEFECTS OF MATERIAL OR WORKMANSHIP OCCURRING DURING THE LIFE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EQUIPMENT. THE OWNER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EQUIPMENT.

CO-ORDINATION:

- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE POWER AND TELEPHONE COMPANIES AND SHALL COMPLY WITH ALL SERVICE REQUIREMENTS OF EACH UTILITY COMPANY.

EXAMINATION OF SITE

- PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE JOB AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED ELECTRICAL INSTALLATION AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. FAILURE TO COMPLY WITH THE INTENT OF THIS PARAGRAPH WILL IN NO WAY RELIEVE THE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM OR SYSTEMS.

CUTTING, PATCHING AND EXCAVATION:

- COORDINATION OF ALL SLEEVES, CHASES, ETC. WILL BE REQUIRED PRIOR TO THE CONSTRUCTION OF ALL CONDUIT RUNS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES IN CONCRETE, WOOD, STEEL OR MASONRY SHALL BE DONE AS PROVIDED ON THE DRAWINGS.
- ALL NECESSARY EXCAVATIONS AND BACKFILLING INCIDENTAL TO THE WORK UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWING SHALL BE PROVIDED BY THIS CONTRACTOR.

- SEAL ALL PENETRATION THROUGH WALL AND FLOORS WITH APPROVED GROUT.

EXTERIOR CONDUIT:

- ALL EXPOSED CONDUIT SHALL BE NEATLY INSTALLED AND RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS. SUPPORTS AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED STEEL.

RACEWAYS

- ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT. ALL CONDUIT SHALL BE RIGID STEEL, EMT OR SCH40 PVC AS INDICATED ON THE DRAWINGS.
- WHERE INSTALLED ON EXTERIORS AND EXPOSED TO DAMAGE, ALL CONDUIT SHALL BE RIGID STEEL. ALUMINUM CONDUIT SHALL NOT BE ALLOWED.
- CONCEALED CONDUIT IN WALLS OR INTERIOR SPACES ABOVE GRADE MAY BE EMT.

- UNDERGROUND CONDUITS SHALL BE RIGID STEEL OR SCHEDULE 40 PVC AS INDICATED ON THE DRAWINGS.
- ALL CONDUIT RUNS SHALL USE APPROVED COUPLINGS AND CONNECTORS. PROVIDE INSULATED BUSHING FOR ALL CONDUIT TERMINATIONS. ALL CONDUIT RUNS IN A WET LOCATION SHALL HAVE WATERPROOF FITTINGS.
- PROVIDE SUPPORTS FOR ALL CONDUITS IN ACCORDANCE WITH NEC REQUIREMENTS. ALL CONDUITS SHALL BE SIZED AS REQUIRED BY NEC.
- BURIAL DEPTH OF ALL CONDUITS SHALL BE AS REQUIRED BY CODE FOR EACH SPECIFIC CONDUIT TYPE AND APPLICATION.
- CONDUIT ROUTES ARE SCHEMATIC. CONTRACTOR SHALL FIELD VERIFY BEFORE BID. COORDINATE ROUTE WITH WIRELESS CARRIER AND BUILDING OWNER.

EQUIPMENT:

- ALL DISCONNECT SWITCHES SHALL BE SERVICE ENTRANCE RATED, HEAVY DUTY TYPE.
- NEW DISCONNECT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AS DETERMINED BY THE LOCAL UTILITY COMPANY FOR THE SERVICE. THE CONTRACTOR SHALL VERIFY THE RATING AND COORDINATE INSTALLATION WITH THE LOCAL UTILITY BEFORE STARTING WORK.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL/LISTED BY UL OR A NORTH CAROLINA APPROVED THIRD PARTY TESTING AGENCY.

CONDUCTORS

- FURNISH AND INSTALL CONDUCTORS CALLED FOR IN THE DRAWINGS. ALL CONDUCTORS SHALL HAVE TYPE THIN (MIN) (75 C) INSULATION, RATED FOR 600 VOLTS.
- ALL CONDUCTORS SHALL BE COPPER. THE USE OF ALUMINUM CONDUCTORS SHALL NOT BE ALLOWED. ALL CONDUCTORS SHALL BE UL LISTED AND SHALL BE PROVIDED AND INSTALLED AS FOLLOWS:
 - MINIMUM WIRE SIZE SHALL BE #12 AWG.
 - ALL CONDUCTORS SIZE #8 AND LARGER SHALL BE STRANDED. CONDUCTORS SIZED #10 AND SMALLER MAY BE SOLID OR STRANDED.
 - CONNECTION FOR #10 AWG AND SMALLER SHALL BE BY TWISTING TIGHT AND INSTALLING INSULATED PRESSURE OR WIRE NUT CONNECTIONS.
 - CONNECTION FOR #8 AWG AND LARGER SHALL BE BY USE OF STEEL CRIMP-ON SLEEVES WITH NYLON INSULATOR.
- ALL CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC STANDARDS.

PENETRATIONS:

- CONTRACTOR SHALL COMPLY WITH UL PENETRATION DETAILS FOR PENETRATIONS OF ALL RATED WALLS, ROOF, ETC.

GROUNDING

- ALL ELECTRICAL NEUTRALS, RACEWAYS AND NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT AND ASSOCIATED ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH NEC ARTICLE 250. THIS SHALL INCLUDE NEUTRAL CONDUCTORS, CONDUITS, SUPPORTS, CABINETS, BOXES, GROUND BUSES, ETC. THE NEUTRAL CONDUCTOR FOR EACH SYSTEM SHALL BE GROUNDED BY ONE POINT ONLY.
- PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.
- PROVIDE BONDING AND GROUND TO MEET NFPA 780 - LIGHTNING PROTECTION AS A MINIMUM.
- PROVIDE GROUNDING SYSTEM AS INDICATED ON THE DRAWINGS, AS REQUIRED BY THE NATIONAL ELECTRIC CODE AND RADIO EQUIPMENT MANUFACTURER.

ABBREVIATIONS AND LEGEND

A	- AMPERE	PVC	- SCH40 RIGID NON-METALLIC CONDUIT
AFG	- ABOVE FINISHED GRADE	RGS	- RIGID GALVANIZED STEEL CONDUIT
ATS	- AUTOMATIC TRANSFER SWITCH	SW	- SWITCH
AWG	- AMERICAN WIRE GAUGE	TGB	- TOWER GROUND BAR
BCW	- BARE COPPER WIRE	UL	- UNDERWRITERS LABORATORIES
BFG	- BELOW FINISHED GRADE	V	- VOLTAGE
BKR	- BREAKER	W	- WATTS
C	- CONDUIT	XFMR	- TRANSFORMER
CKT	- CIRCUIT	XMTX	- TRANSMITTER
DISC	- DISCONNECT		
EGR	- EXTERNAL GROUND RING		
EMT	- ELECTRIC METALLIC TUBING		
FSC	- FLEXIBLE STEEL CONDUIT		
GEN	- GENERATOR		
GPS	- GLOBAL POSITIONING SYSTEM		
GRD	- GROUND		
IGB	- ISOLATED GROUND BAR		
IGR	- INTERIOR GROUND RING (HALO)		
KW	- KILOWATTS		
KEW	- KILOWATT-HOUR METER		
NEC	- NATIONAL ELECTRIC CODE		
NCS	- PERSONAL COMMUNICATION SYSTEM		
PH	- PHASE		
PNL	- PANEL		
PNLBD	- PANELBOARD		
		---	UNDERGROUND ELECTRICAL CONDUIT
		---	UNDERGROUND TELEPHONE CONDUIT
		□	KILOWATT-HOUR METER
		○	UNDERGROUND BONDING AND GROUNDING CONDUCTOR
		●	GROUND ROD
		●	CAWELD
		■	GROUND ROD WITH INSPECTION WELL

PLANS PREPARED FOR:

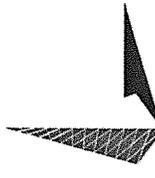


400 REGENCY FOREST DRIVE
CARY, NC 27511

PROJECT INFORMATION:

AT&T SITE #: 176-071
ATC SITE #: 28900
ENGELHARD
SWAMP RD
ENGELHARD, NC 27824
(HYDE COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
3703 JUNCTION BOULEVARD
RALEIGH, NC 27603-5263
OFFICE: (919) 661-6351
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



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DRAWN BY: SGB CHECKED BY: ETH

SHEET TITLE:

ELECTRICAL NOTES

SHEET NUMBER: E-1

REVISION: 0

TEP #: 46771-504-17

PLANS PREPARED FOR:

AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:

AT&T SITE # 176-071
ATC SITE # 280900
ENGELHARD
 SWAMP RD
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DRAWN BY: CBN CHECKED BY: PTH		
SHEET TITLE:		

SERVICE ROUTING PLAN & ONE-LINE DIAGRAM

SHEET NUMBER: **E-2**

REVISION: 0

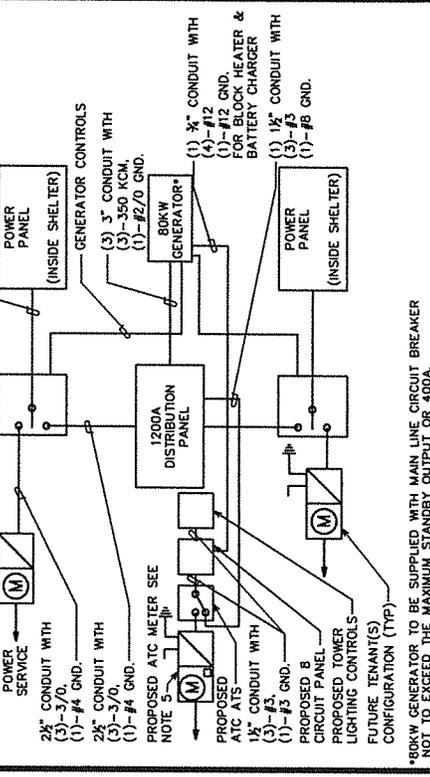
TEP # 46771-5047

- PLAN NOTES:**
- PROPOSED AT&T EQUIPMENT SHELTER.
 - PROPOSED H-FRAMES SEE SHEETS E-5 & E-5A FOR DETAILS.
 - (1) 4" TELCO CONDUIT W/ (3) 1" FLEX INTERDUCK & PULL STRING FOR FIBER POWER LEADS.
 - (1) 2 1/2" POWER CONDUIT FROM PROPOSED METER TO 200A AUTOMATIC TRANSFER SWITCH.
 - (1) 2 1/2" POWER CONDUIT FROM 200A AUTOMATIC TRANSFER SWITCH TO 1200A DISTRIBUTION PANEL.
 - (1) 2 1/2" POWER CONDUIT FROM 200A AUTOMATIC TRANSFER SWITCH TO TENANT SHELTER DISTRIBUTION PANEL.
 - (3) 3" POWER CONDUIT FROM THE PROPOSED GENERATOR TO THE 1200A DISTRIBUTION PANEL.
 - PROPOSED (2) 4" POWER CONDUIT STUBBED UP 3' OUTSIDE FENCE. CONTRACTOR TO COORDINATE SERVICE WITH LOCAL POWER COMPANY.
 - PROPOSED (2) 4" TELCO CONDUITS STUBBED UP 3' OUTSIDE FENCE. CONTRACTOR TO COORDINATE SERVICE WITH LOCAL TELEPHONE COMPANY.
 - PROPOSED GENERATOR. SEE DETAILS SHEETS C-6 AND C-7.
 - AUTOMATIC START-UP AND INTER CARRIER CONTROL BY GENERATOR COMPANY.

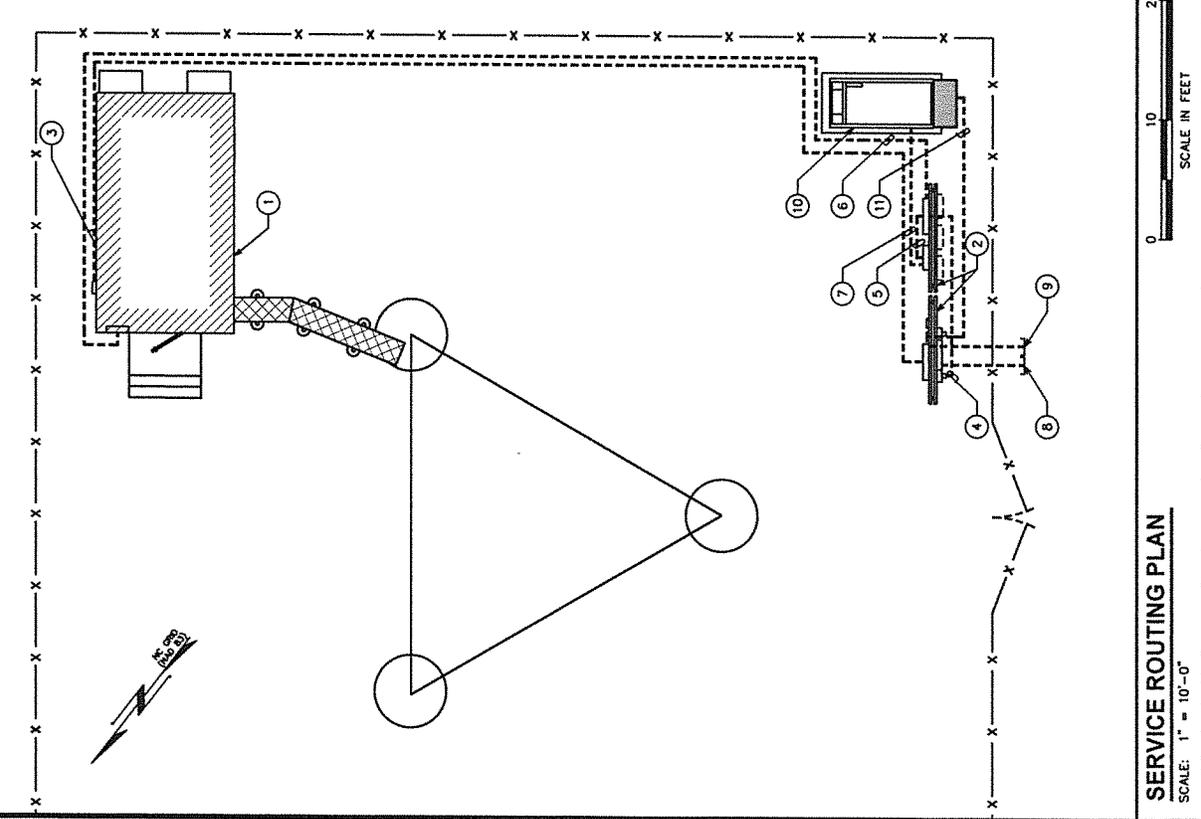
TRENCHING NOTE:
 PRIOR TO ANY DIGGING, THE CONTRACTOR SHALL IDENTIFY ALL EXISTING UTILITIES ON SITE.

ONE LINE DIAGRAM NOTES:

- ELECTRICAL SERVICE SHALL BE 120/240V, 1Ø, 3W, 200A.
- PROVIDE SERVICE ENTRANCE RATED CIRCUIT BREAKER TYPE DISCONNECT SWITCH.
- INSTALL A 200 AMP METER BASE AS DIRECTED BY THE UTILITY COMPANY.
- CONTRACTOR TO VERIFY BATTERY CHARGER AND BLOCK HEATER LOADING.
- INSTALL A 100 AMP METER BASE AS DIRECTED BY THE UTILITY COMPANY.



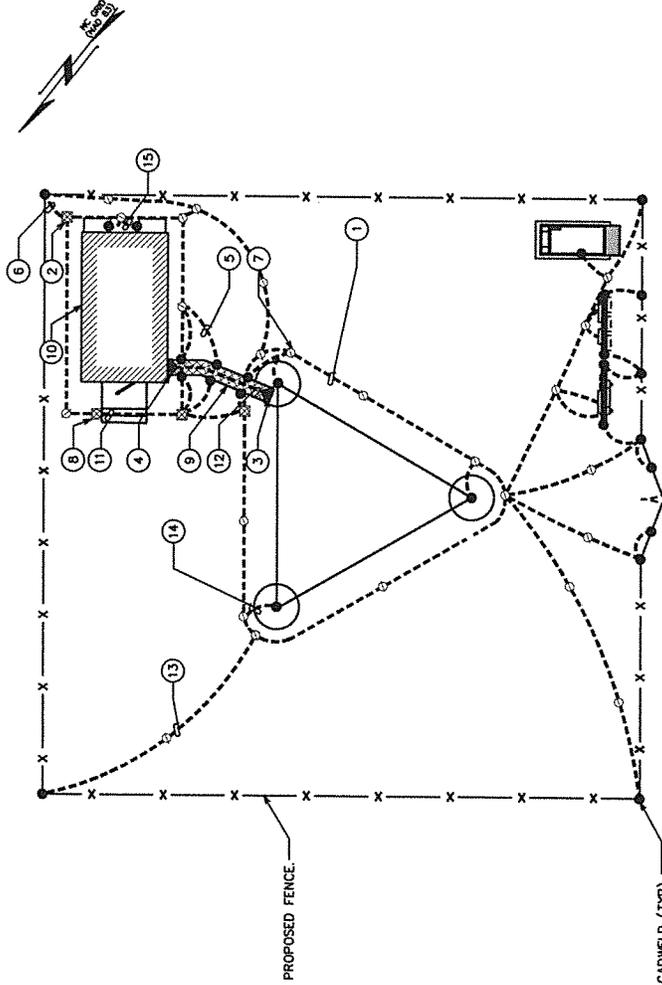
ONE LINE DIAGRAM
 SCALE: N.T.S.



SERVICE ROUTING PLAN
 SCALE: 1" = 10'-0"

DRAWING NOTES:

- 1 PROPOSED TOWER GROUND RING
- 2 INSPECTION WELL AT CONNECTION TO PROPOSED GROUND RING (TYP OF 2)
- 3 TOWER BUS BAR
- 4 ICE BRIDGE BUS BAR
- 5 #2 AWG ICE BRIDGE BOND BURIED 30" BFC (TYP)
- 6 #2 AWG BOND TO PROPOSED GROUND RING
- 7 3/4" x 10' COPPER GROUND ROD (TYP)
- 8 SERVICE ENTRANCE GROUND ROD W/ INSPECTION WELL. SEE E-6 FOR DETAIL.
- 9 ICE BRIDGE
- 10 EQUIPMENT SHELTER
- 11 #2 AWG GROUND RING BURIED 30" BFC
- 12 #2 AWG BARE SOLID TINNED COPPER WIRE BETWEEN BUS BARS
- 13 TOWER BONDING TO FENCE POST (TYP OF 4)
- 14 TOWER BONDING TO TOWER GROUND RING (TYP OF 3)
- 15 HVAC GROUNDING (TYP OF 2)

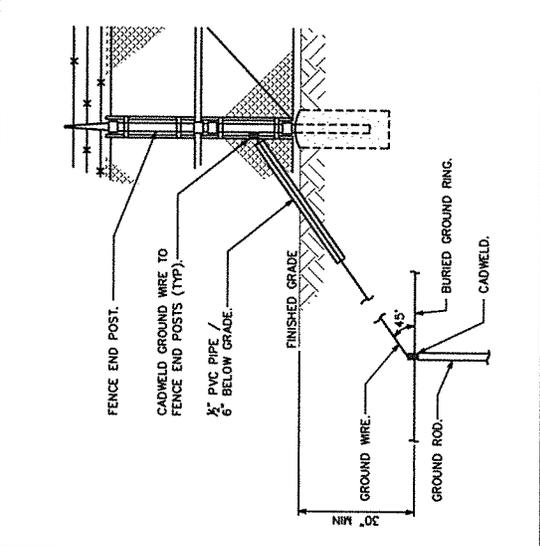
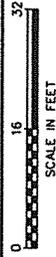


GROUNDING NOTES

1. GROUNDING ELECTRODES SHALL BE CONNECTED IN A RING USING #2 AWG BARE SOLID TINNED COPPER WIRE. THE TOP OF THE GROUND RODS AND THE RING CONDUCTOR SHALL BE 2 FEET BELOW FINISHED GRADE. GROUNDING ELECTRODES SHALL BE DRIVEN ON 10'-0" CENTERS. (MIN. 15'-0" MAX)
2. BONDING OF THE GROUND CONDUCTOR (NEUTRAL) AND THE GROUNDING CONDUCTOR SHALL BE AT THE SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250.30.
3. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.

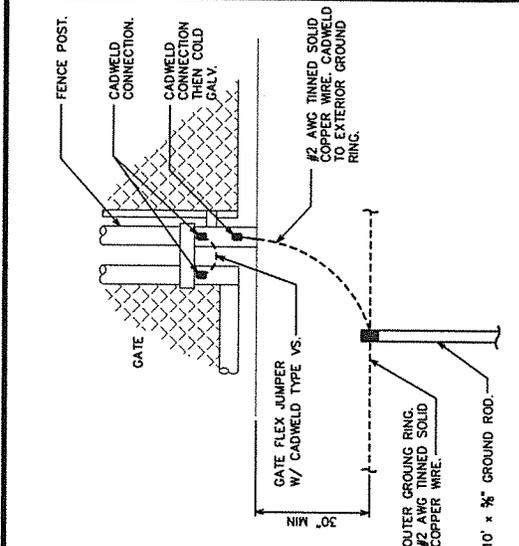
TOWER GROUNDING PLAN

SCALE: 3/8" = 1'-0"



FENCE GROUNDING

SCALE: N.T.S.



TYPICAL GATE POST GROUNDING DETAIL

SCALE: N.T.S.

PLANS PREPARED FOR:
AMERICAN POWER WORK CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE # 176-071
ATC SITE # 280900
 ENGELHARD
 SWAMP RD
 ENGELHARD, NC 27824
 (HYDE COUNTY)

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
 OFFICE: (919) 661-6351
 www.tepgroup.net
 N.C. LICENSE # C-1794

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EPL		

SHEET TITLE:
TOWER & SHELTER GROUNDING PLAN

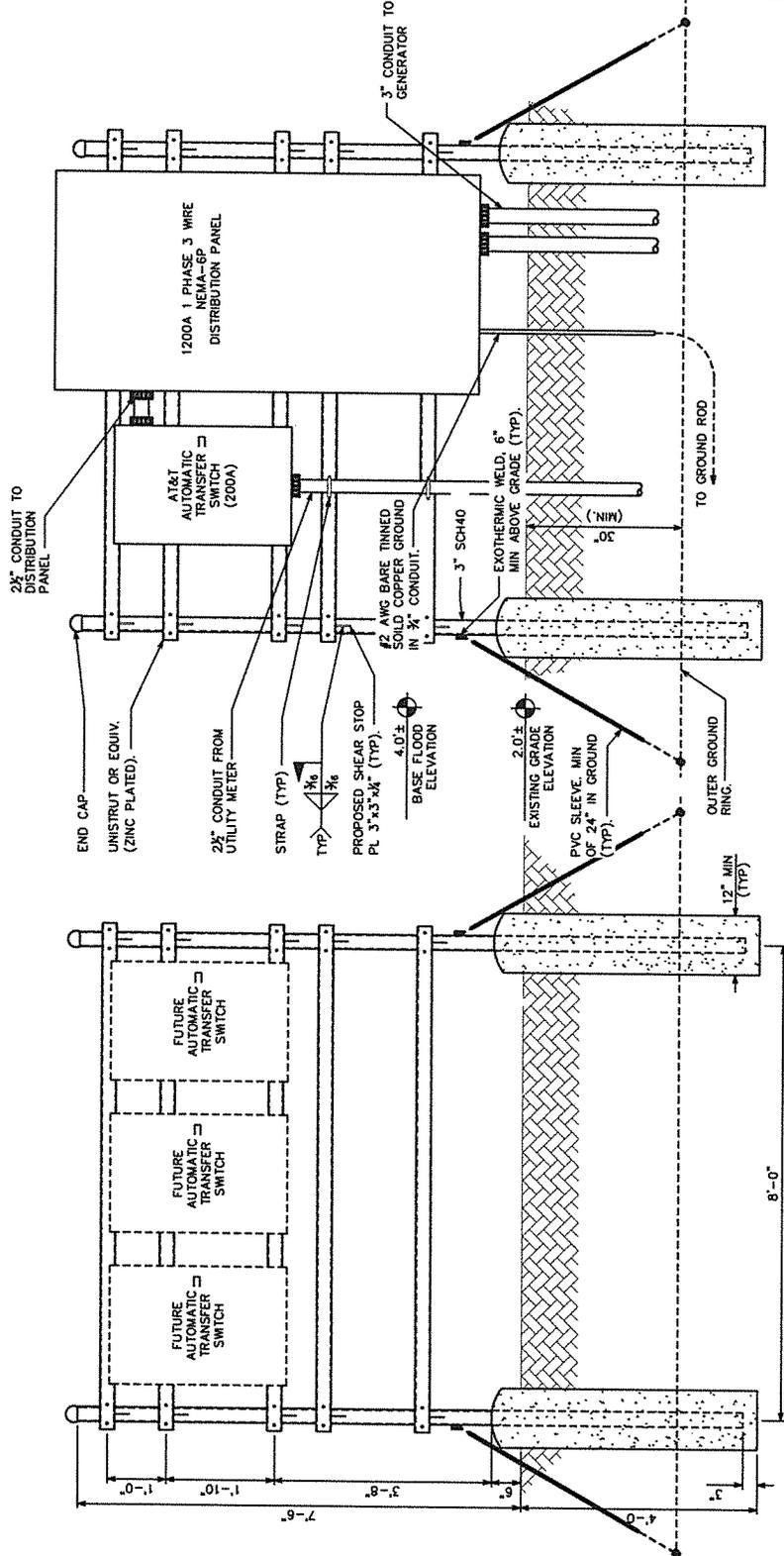
SHEET NUMBER:
E-3
 REVISION: **0**
 TEP # 46771-5047

NOTE:

1. SEE THIS SHEET FOR SERVICE RACK NOTES.
2. NEMA-6P WATERPROOF PANEL TO BE USED DUE TO FLOODING RISK.

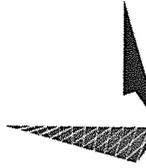
FRONT VIEW

REAR VIEW



PLANS PREPARED FOR:
AMERICAN POWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

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CHECKED BY: FBI		
SHEET TITLE:		

**SERVICE RACK
 DETAILS II**

SHEET NUMBER: **E-5A**
 REVISION: **0**
 TEP #: 46771-5047

SERVICE RACK DETAILS
 SCALE: N.T.S.

PLANS PREPARED FOR:
AMERICAN TOWER CORPORATION
 400 REGENCY FOREST DRIVE
 CARY, NC 27511

PROJECT INFORMATION:
AT&T SITE #: 176-071
AT&T SITE #: 280900
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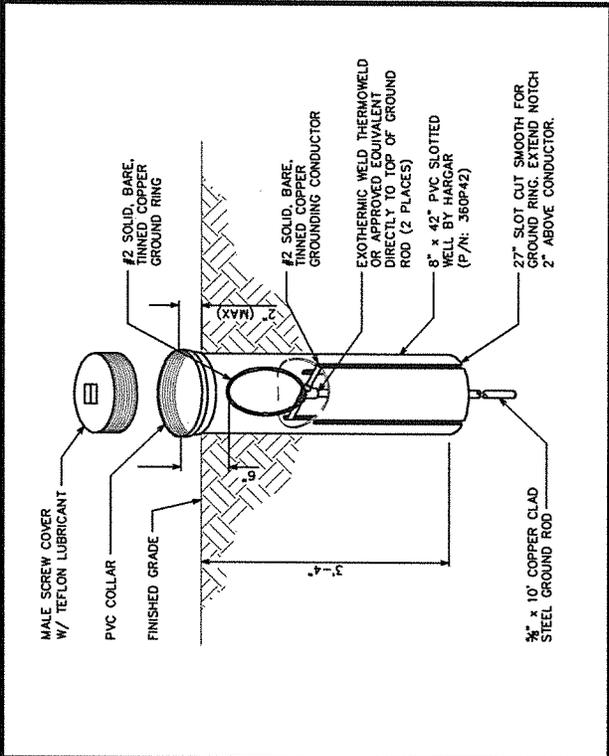
PLANS PREPARED BY:
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 3703 JUNCTION BOULEVARD
 RALEIGH, NC 27603-5263
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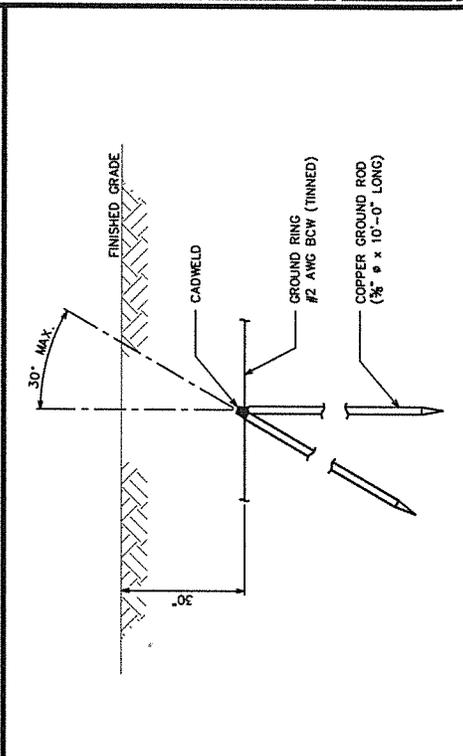
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0	07-10-13	PRELIMINARY
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SHEET TITLE:
GROUNDING DETAILS I

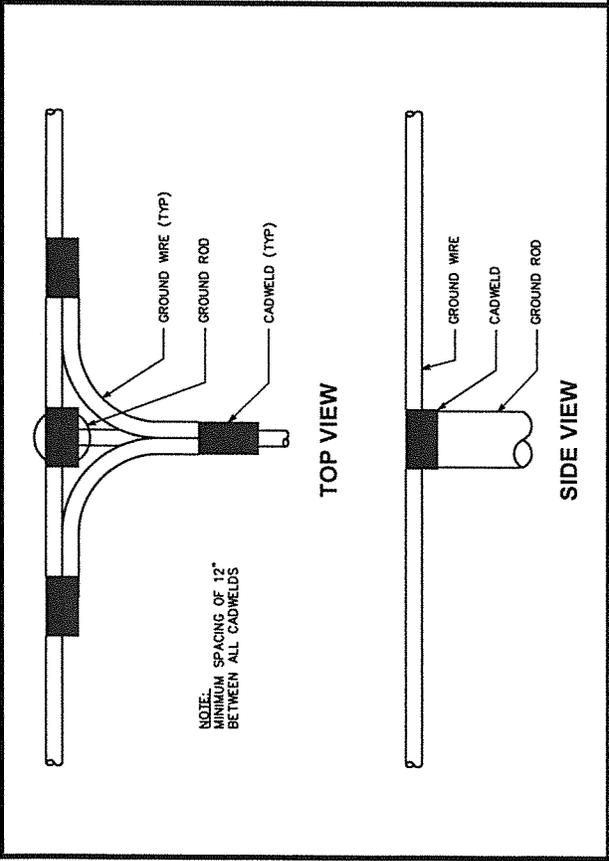
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 REVISION: **0**
 TEP # 46271-5047



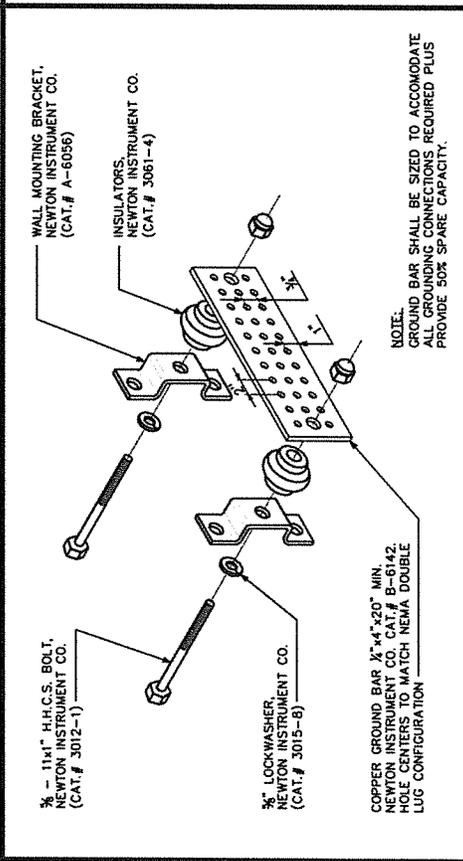
GROUND ROD WITH INSPECTION WELL
 SCALE: N.T.S.



COPPER-CLAD STEEL GROUND ROD
 SCALE: N.T.S.



CADWELD GROUNDING DETAIL
 SCALE: N.T.S.



STANDARD GROUND BAR DETAIL
 SCALE: N.T.S.

PLANS PREPARED FOR:

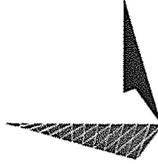


400 REGENCY FOREST DRIVE
CARY, NC 27511

PROJECT INFORMATION:

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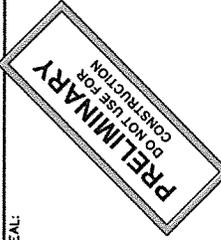
PLANS PREPARED BY:



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RALEIGH, NC 27603-5263
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FTH		

SHEET TITLE:

**GROUNDING
DETAILS II**

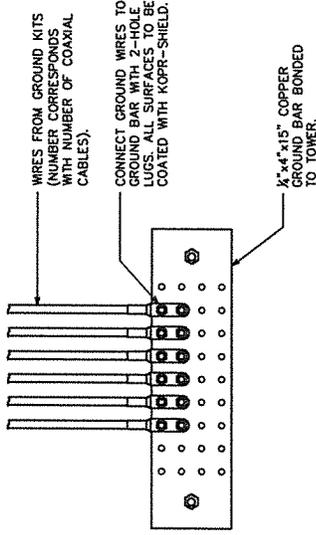
SHEET NUMBER: **E-7**

REVISION: **0**

REF. # AC771-5047

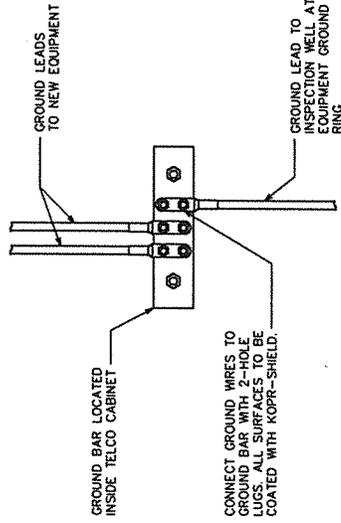
NOTE:

THE CONTRACTOR SHALL UTILIZE AN INTERMEDIATE GROUND BAR FOR ANTENNA RAD CENTERS OVER 200'.



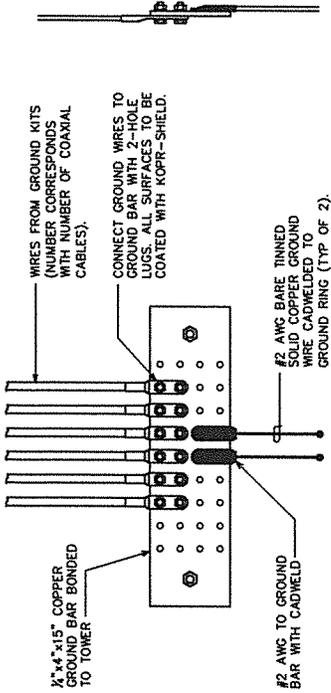
UPPER / INTERMEDIATE GROUND BAR

SCALE: N.T.S.



GROUND BAR IN TELCO CABINET

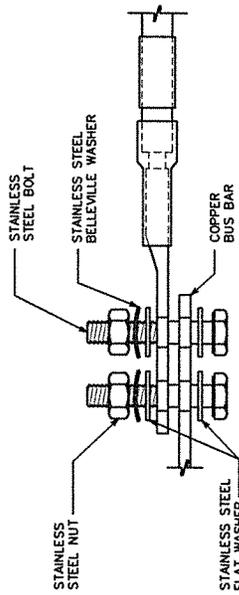
SCALE: N.T.S.



END VIEW

LOWER GROUND BAR

SCALE: N.T.S.



NOTES:

- ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL INCLUDING THE BELLEVILLE WASHERS. COAT ALL SURFACES WITH KOPR-SHIELD BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY; INSERT A DRAGON TOOTH WASHER BETWEEN THE LUG AND STEEL. COAT ALL SURFACES WITH KOPR-SHIELD.

LUG DETAIL

SCALE: N.T.S.

**Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET**

Meeting Date: September 3, 2013
Presenter: Jane Hodges
Attachment: No

ITEM TITLE: SILVER LAKE MOORING FIELD UPDATE

SUMMARY: The application to the Army Corp of Engineers was turned down due to a lack of information. A map has been given to Justin Gibbs, GIS Specialist to plot individual areas for each potential boat mooring. Once this is completed, a meeting will be set with two representatives from the Corp hopefully on Ocracoke to meet and discuss the project.

RECOMMEND: No Action Required

Motion Made By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Motion Seconded By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Vote: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

**Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET**

Meeting Date: September 3, 2013
Presenter: Kris Noble
Attachment: Yes - Bid Tabulation

ITEM TITLE: CDBG – CONTINGENCY/INFRASTRUCTURE – ENGELHARD
SEWER FORCE MAIN EXTENSION – CONSTRUCTION
CONTRACT AWARD

SUMMARY:

This project consists of supplying and installing a STEP sewer collection system comprised of approximately 6829 feet of 6" DR 21 Sewer Force Main buried in ROW along US 264 to serve and supply 44 new STEP Septic Tanks with pumps, controls, and all appurtenances including electrical connections and upgrades, piping, valves, saddles, attachment to existing home sewer and gray water where separate, and destruction and filling of existing septic tanks. Areas of ductile iron FM pipe may be required depending on local conditions.

Bids were received by Hyde County attention: Kris Noble, Planning & Economic Development Director. The bid opening took place at the Hyde County Government Center, 30 Oyster Creek Road, Swan Quarter, NC at 2:00 pm, Friday, August 23, 2013, and then at said office publicly opened and read aloud. The apparent low bidder was ELJ Inc of Jacksonville, NC. A certified bid tabulation and award recommendation from the Project Engineer are attached.

The bid amount exceeds the amount of funding allocated and the engineer is working with the apparent low bidder to negotiate the scope of work to a level that can be completed using the \$450,000 in CDBG funds currently available.

RECOMMEND: Authorize Chairman of the Board of Commissioners to execute a contract with ELJ, INC for the above -described services at a value not to exceed available grant funds pending County Attorney approval of said contract document. Authorize County Staff and Project Engineer to hold a preconstruction conference and issue a Notice to Proceed following contract execution.

Motion Made By: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

Motion Seconded By: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

Vote: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

Hyde County Sewer Extension US 264

CDBG # 05-D-2194

Award Recommendation

On August 23, 2013 bids were received and opened in the Hyde County Court House for the construction of the US 264 Sewer Extension for the Engelhard Sanitary District. Three bidders hand delivered bid packages before the 2:00 pm deadline. See attached bid tabulation below.

ELJ Inc. of Jacksonville, NC presented the low bid with all necessary bid bonds, Minority Business forms, and License for the project with a bid of \$694,325. The total funding available for completion of the project is \$450,350. This presents a short fall of \$243,975. The Engineer and ED Jones of ELJ Inc are negotiating a reduced scope of work where the maximum number of homes will be added, currently estimated at 32.

The references supplied by the contractor in the bid document were all contacted and indicated that they would use ELJ Inc again for projects under their supervision. The references did warn that ELJ is slow and sometimes incomplete for presenting paperwork for but is technically competent for completing the project. In my days of working with ELJ I have not seen them to be unresponsive and were eager to be flexible and offer solutions.

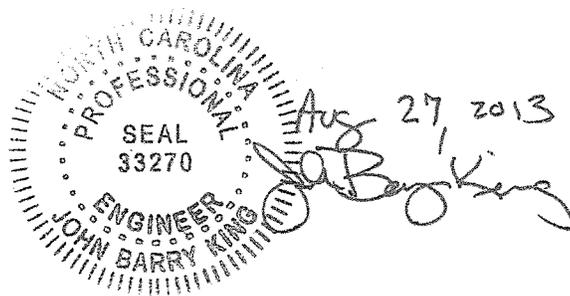
I recommend that the contract for installing the Engelhard Sewer Extension US 264 be awarded to ELJ Inc contingent upon the final modification in the scope of the project that moves the cost in line with the available funding.

Barry King PE



Hobbs, Upchurch and Associates PA

910 620 9328



BID SUMMARY - ENGELHARD SANITARY DISTRICT - AUGUST 23, 2013

CONTRACTOR / PLAN HOLDERS	LICENSE NO.	RECEIVED ADDENDUM	BID BOND 5%	MBE FORMS	BID AMOUNT
Herring & Rivenbank					No bid
T.A. Loving					No bid
EnviroTech, Unlimited Construction Services PO Box 69 Harbinger, NC 27941	63868	yes	yes	yes	\$738,999.00
Outer Banks Water & Sewer					No bid
Hatchell Concrete, Inc. PO Box 2405 Manteo, NC 27954	34205	yes	yes	yes	\$699,743.10
ELJ, Inc. 133 Batting Cage Road Jacksonville, NC 28540	47340	yes	yes	yes	\$694,325.00

Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET

Meeting Date: September 3, 2013
Presenter: Kris Noble
Attachment: Yes - RFQ as Advertised & Chosen Proposal as Submitted

ITEM TITLE: 185 LANDING ROAD REDEVELOPMENT PROJECT –
RECOMMENDATION FOR PLANNING & DESIGN SERVICE
CONTRACT

SUMMARY:

Statements of Qualifications were received on August 23 at 3:00 PM, by Kris Noble, Hyde County Planning & Economic Development Director. Proposals were ranked by Kris Noble, Clint Berry, Public Utilities Director and Mr. Bill Rich, County Manager. The project for which Statements of Qualifications are to be received is being funded by the State of North Carolina's Waterfront Access Marine Industry (WAMI) funds and is described below:

Professional service firms/individuals providing certain professional architectural and/or engineering services submitted Statements of Qualifications for the proposed project. The proposed project includes master planning for the redevelopment of a multi-purpose / multi-use facility including deep water dockage access, ancillary structures and associated site improvements for use by the commercial fishing industry as well as potential use for marine research, educational interpretation and heritage ecotourism. The facility is to be located adjacent to Swan Quarter Canal Basin, a deep water basin, on an approximate 0.52-acre tract leased from the State of North Carolina located at 185 Landing Road, Swan Quarter, NC. This site was traditionally utilized by local watermen for commercial fishing industry activities, but all prior structures have been previously demolished.

Scope of services to be provided by the selected firm/individual include at a minimum: (a) confirmation of boundary survey, easements/encroachments and conduct topographic survey including adjacent deep water basin to extent necessary; (b) facilitate meeting of stakeholders identified by the County during land planning process; (c) develop optional land planning concepts, review with County staff and refine into a final conceptual site master development plan; (d) facilitate environmental scoping reconnaissance meeting with applicable jurisdictional agencies; (e) facilitate meeting of stakeholders identified by the County to identify appropriate operational management strategy including management practices; (f) prepare preliminary opinion of probable cost based on final conceptual site master development plan; (g) assist County in applying for and acquiring CAMA and COE jurisdictional permits for proposed

Motion Made By: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

Motion Seconded By: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

Vote: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

redevelopment activities, and; (h) prepare a written report summarizing the redevelopment master plan including assessment of site, description of proposed individual facilities/amenities, precedent images, environmental permitting requirements, constraints and mitigation measures, cost opinion, and potential funding opportunities.

After ranking (4) submitted Statements of Qualifications, individual ranking sheets were compiled and the firm selected by the team was Land Design, INC. The qualifying proposal and ranking sheets are attached for review.

RECOMMEND: Authorize County Staff to contract with Land Design, INC for the above described services at a value not to exceed available grant funds pending County Attorney approval of said contract document. Authorize County Staff to proceed with the project immediately thereafter.

Motion Made By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Motion Seconded By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Vote: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Posted Date: July 29, 2013

**Request for Qualifications (RFQ)
Site Master Planning Services
Redevelopment of a Multi-Purpose Waterfront Access Facility
185 Landing Road
Swan Quarter, North Carolina**

Statements of Qualifications will be received and opened by the County of Hyde, North Carolina, at the Hyde County Government Center, Office of Planning & Economic Development, 30 Oyster Creek Road, PO Box 188, Swan Quarter, NC 27885 on August 23 at 3:00 PM, by Kris Noble, Hyde County Planning & Economic Development Director.

The project for which Statements of Qualifications are to be received is being funded by the State of North Carolina's Waterfront Access Marine Industry (WAMI) funds and is described below:

Professional service firms/individuals providing certain professional architectural and/or engineering services are invited to submit a Statement of Qualifications for the proposed project. The proposed project includes master planning for the redevelopment of a multi-purpose / multi-use facility including deep water dockage access, ancillary structures and associated site improvements for use by the commercial fishing industry as well as potential use for marine research, educational interpretation and heritage ecotourism. The facility is to be located adjacent to Swan Quarter Canal Basin, a deep water basin, on an approximate 0.52-acre tract leased from the State of North Carolina located at 185 Landing Road, Swan Quarter, NC. This site was traditionally utilized by local watermen for commercial fishing industry activities, but all prior structures have been previously demolished.

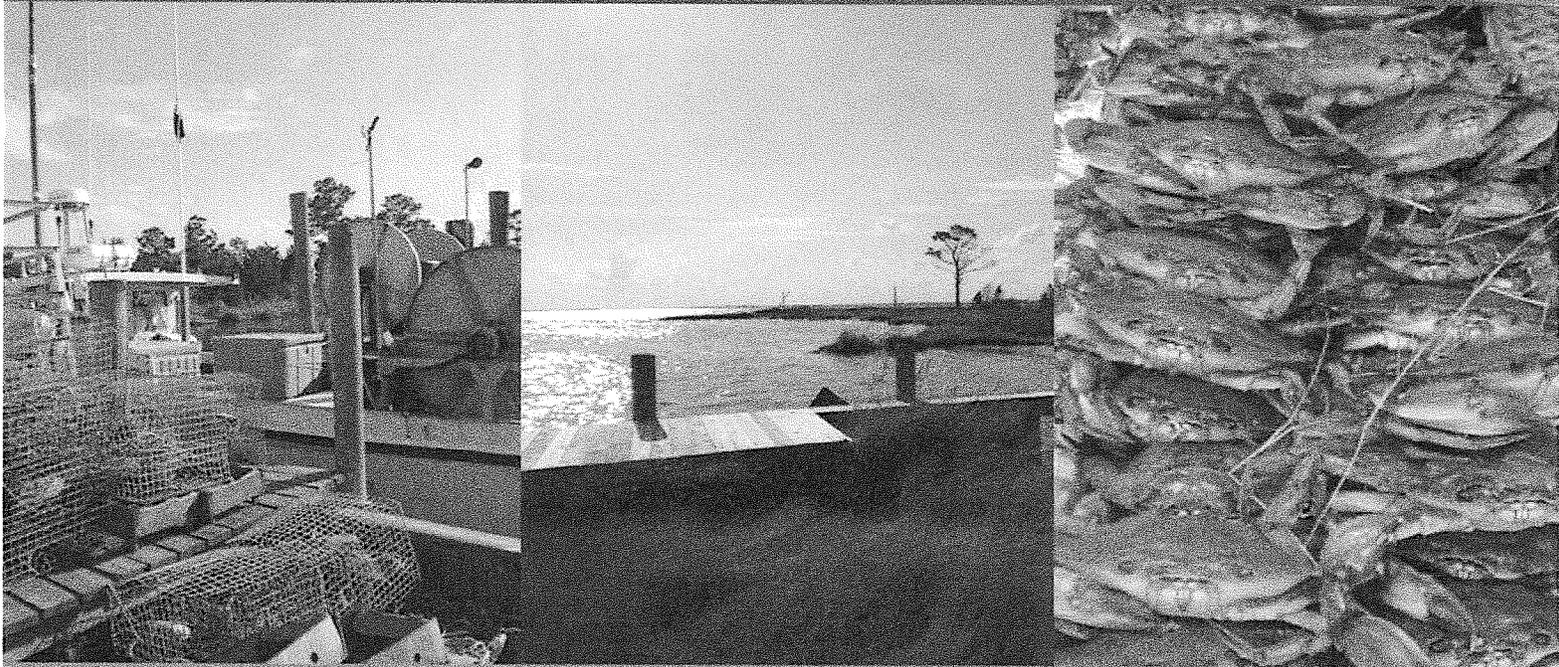
Scope of services to be provided by the selected firm/individual include at a minimum: (a) confirmation of boundary survey, easements/encroachments and conduct topographic survey including adjacent deep water basin to extent necessary; (b) facilitate meeting of stakeholders identified by the County during land planning process; (c) develop optional land planning concepts, review with County staff and refine into a final conceptual site master development plan; (d) facilitate environmental scoping reconnaissance meeting with applicable jurisdictional agencies; (e) facilitate meeting of stakeholders identified by the County to identify appropriate operational management strategy including management practices; (f) prepare preliminary opinion of probable cost based on final conceptual site master development plan; (g) assist County in applying for and acquiring CAMA and COE jurisdictional permits for proposed redevelopment activities, and; (h) prepare a written report summarizing the redevelopment master plan including assessment of site, description of proposed individual facilities/amenities, precedent images, environmental permitting requirements, constraints and mitigation measures, cost opinion, and potential funding opportunities.

Interested firms should submit three (3) printed copies of their Statement of Qualifications and 1 electronic file of the qualifications in PDF format. Statement of Qualifications shall be limited to twenty (20) typed-written pages, 8.5" x 11", utilizing 10-size font or larger. Only covers shall be excluded from the page count. Cover letter shall be included in the page count. Submissions exceeding the page limit shall be disqualified as non-responsive. Statement of Qualifications should include:

- Cover letter summarizing why firm should be selected.
- Information demonstrating firm's capability to undertake and complete the project.
- Similar projects completed by the firm during the past 5 years.
- Resumes of key team members proposed for the project including training, certifications and specific relevant project experience, if any.

Hyde County reserves the right to accept or reject any and all Statements of Qualifications and to enter into any contract deemed to be in the best interest of the County as allowed by N.C.G.S. 143-64.31-34.

Questions concerning this solicitation may be presented to Kris Noble, Hyde County Planning Director by phone at 252-926-4180, Monday through Friday, 8:00 AM – 5:00 PM, or by email at: knoble@hydecountync.gov.



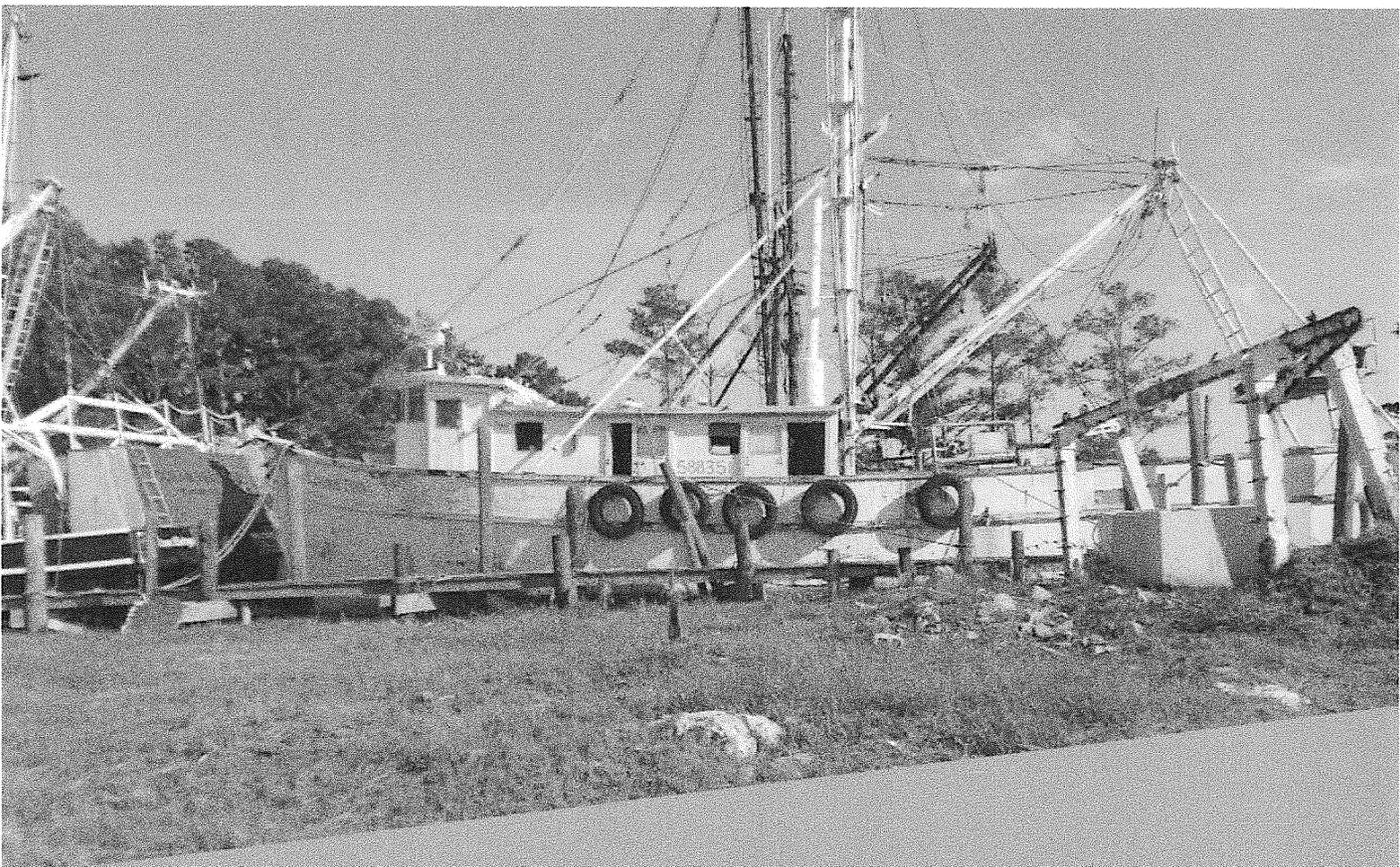
Swan Quarter

Waterfront Redevelopment Master Plan

Response to Request
for Qualifications

CLIENT
Hyde County North Carolina

AUGUST 23, 2013



CONSULTANT TEAM

LandDesign

510 Glenwood Avenue

Suite 317

Raleigh, NC 27603

919.838.9331

Scott Lagueux | slagueux@landdesign.com

IN ASSOCIATION WITH

Moffatt Nichol

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LandDesign

urban design planning civil engineering branding landscape architecture

August 23, 2013

Kris Noble
Planning & Economic Development Director
Hyde County Government Center
30 Oyster Creek Road
Swan Quarter, NC 27885

Dear Mrs. Noble,

LandDesign is pleased to submit our qualifications for Hyde County's Redevelopment of the Multi-Purpose Waterfront Access Facility Master Plan. The LandDesign team possesses the right mix of experience, knowledge of local issues, and project creativity needed to take Swan Quarter's waterfront to the next stage of evolution—one that strengthens waterfront access, fosters development and commerce, works in harmony with *uses* and *users*, and promotes quality of life and local community values. We hope through review of our enclosed qualifications, you will reach a similar conclusion. We would like to highlight several aspects and features of our team:

WATERFRONT EXPERTISE We have assembled a team of professionals with waterfront planning and development experience spanning over 35 years and hundreds of projects in the Carolinas and across the globe. LandDesign, a national leader in planning and urban design, will serve as the project lead for this effort. LandDesign will be responsible for project management, stakeholder outreach, and the development of concepts for land use, infrastructure, and community facilities. Moffatt Nichol, the premier practice dealing with waterfront engineering and water access, will support the team, focusing their expertise on CAMA and COE permitting, cost estimating, and funding opportunities. Together our firms, working out of our Raleigh and Charlotte offices, will guide the planning process and will work collaboratively with County staff and local stakeholders to create Swan Quarter's master plan.

LOCAL KNOWLEDGE / NATIONAL PERSPECTIVE LandDesign and Moffatt Nichol are highly experienced in collaborating with small to medium sized waterfront communities with issues similar to those present at Swan Quarter. The team has recently worked on nearby assignments for the City of Washington and the community of Emerald Isle where our firms created a shared vision for the waterfront within the confines of limited commercial growth opportunities, environmental constraints, and conflicting use and user desires for the water's edge. Additionally, one of our team members is a proud Swan Quarter native and grew up as a part of the commercial fishing industry. Marshall Gill's community perspective and first-hand knowledge of the local infrastructure provides our team with a deeper understanding of the community's needs and desires to create a waterfront and marine access area that is

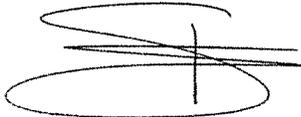


uniquely representative of their coastal heritage. While we have highly specific expertise working along the Carolina Coast, we also offer a national and international perspective on waterfront projects. The LandDesign team will bring our experiences and best practices to Hyde County on this assignment.

CREATIVE DESIGNS + EXECUTABLE STRATEGIES One of our team's greatest strengths is an ability to help our clients bring their visions to reality. Working with the County and community stakeholders, we will create a master plan that not only augments the site's use for commercial fishing, but also initiates opportunities for marine research, educational interpretation and heritage ecotourism. To assure that the vision becomes a reality, we will balance a strong design vision with an appreciation for underlying community needs, market realities and municipal budget constraints. Our team also has expertise in the identification of grants and funding sources that can assist with implementation as well as a network on industry partners that can be called upon to gauge their interest in advancing Swan Quarter development. Our approach will result in a plan that produces both results-oriented, short-term action items and a framework for managing long-term growth and change.

We would be honored to partner with the County to help bring the vision for Swan Quarter to the next stage of realization. If you have any questions or would like more information, please feel free to contact me at 704.333.0325 or slagueux@landdesign.com. We look forward to hearing from you and are ready to begin this important assignment immediately.

Kindest regards,

A handwritten signature in black ink, appearing to read 'S. Lagueux', with a large, stylized flourish underneath.

Scott Lagueux, AICP, LEED BD+C
Partner
LandDesign, Inc.

Team Overview **Qualifications**

We have carefully assembled this team to provide Hyde County and the Swan Quarter community with the expertise, leadership and skills necessary to effectively create a waterfront master plan for the redevelopment of the multi-purpose waterfront access facility. LandDesign will manage this effort and Moffatt Nichol will support the team with planning, permitting and cost estimating services.

Our team members have collaborated on past waterfront and land planning projects, ensuring seamless and efficient creation of a plan that reflects the multi-faceted needs of the Swan Quarter and its citizens. Our master plans go beyond concepts; our plans are highly valued because they can be implemented. Value is realized for our clients through our deliberate continuity from concept through construction. Combined, we offer an unmatched experience base and level of expertise for a creative approach and successful completion of this assignment.

TEAM LEADERSHIP

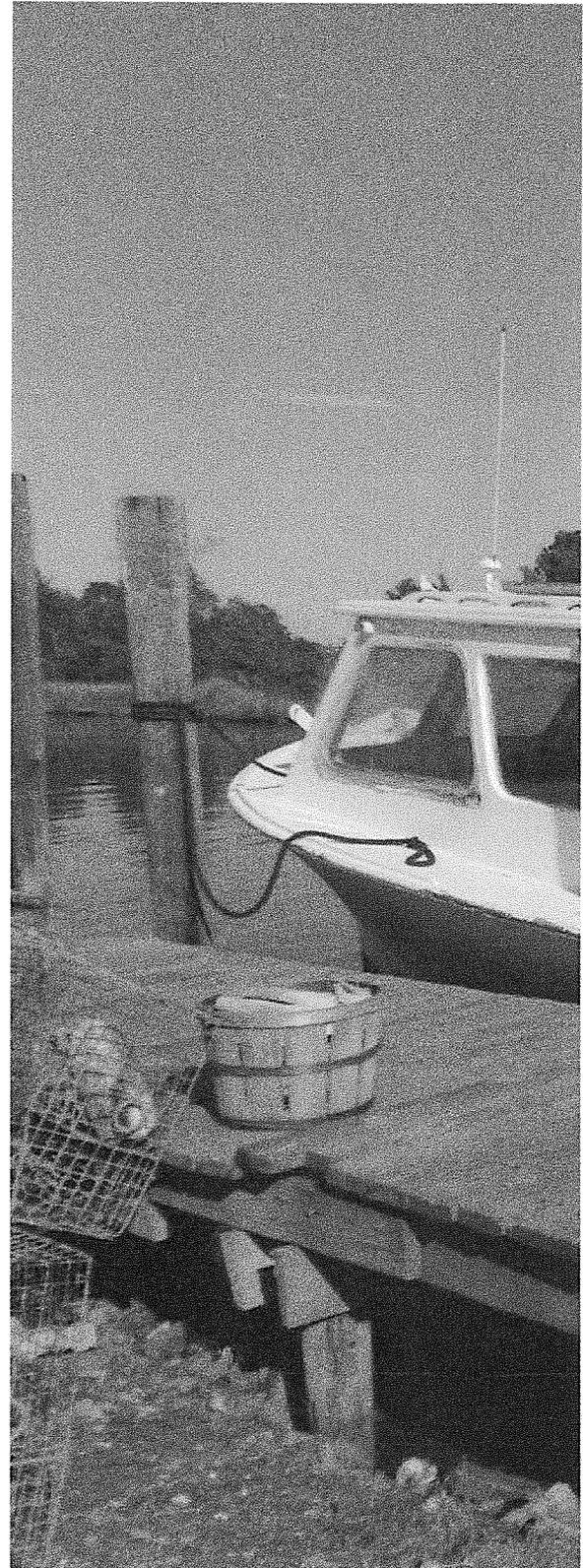
LandDesign (LDI)

An award-winning land planning and design firm specializing in innovative solutions to complex, development and revitalization challenges, and complements those ideas with policies, implementation strategies and tools that build community support. LandDesign services also include civil and transportation engineering, landscape architecture and community branding.

IN ASSOCIATION WITH

Moffatt Nichol (MN)

An Engineering News Record "Top 500 Firm" with a local office in Raleigh, provides multidisciplinary services including: marine and coastal engineering, civil and transportation engineering, permitting, inspection and environmental services.



LandDesign

www.landdesign.com

Contact

Scott Lagueux
slagueux@landdesign.com
223 North Graham Street
Charlotte, NC 28202
T 704.333.0325
F 704.332.3246

Since its inception in 1978, LandDesign has consistently provided a broad range of clients with creative project solutions delivered by experienced professionals skilled in urban design, land planning, civil engineering, landscape architecture, and branding. Our talented and dedicated team possesses the proven skills and knowledge to meet ever-increasing demands and challenges on a regional, national, and international basis.

COLLABORATION

Founded in Charlotte, North Carolina, LandDesign has evolved into a multi-disciplined organization of over 100 professionals operating from offices in Charlotte NC, Washington DC, Raleigh NC, and Dallas TX. All offices are fully linked to foster collaborative efforts that take advantage of the firm's combined expertise and experience to meet each client's individual needs through reasoned solutions. This culture of collaboration further strengthens the firm's demonstrated ability to provide its clients with a fully integrated set of services that combine to create memorable exterior experiences.

INNOVATION

For over 35 years, our uncompromising passion for what we do has characterized our people and our work. Beginning always with a blank sheet, every idea is deemed worthy of consideration, every concept the product of collective efforts that harness creative energy to produce solutions that satisfy needs and desires and protect the piece of ground on which we're allowed to work. We believe that taking the safe and easy path prevents our clients from uncovering the unique and innovative solutions that make a place truly different and instill in it a spirit that engages those who experience it.

SUSTAINABILITY

We also believe strongly in the need to protect the environment and enhance the lives of those touched by our projects. Our awareness of best management practices helps us incorporate creative design, proven construction practices, and proper materials into each project to help clients reduce or eliminate the negative impact on the environment and community. In projects around the world, our team has demonstrated its commitment to providing environmentally sensitive solutions that can be designed and implemented without compromising quality or desired economic results.

While utilizing the latest technologies and best practices, the team at LandDesign takes a "hands-on" approach to every project, with services typically extending from concept through construction. The firm frequently is retained to coordinate design and planning, thus ensuring quality, continuity, and scheduling. The most important proof of LandDesign's commitment is demonstrated through the long-term working relationships with numerous clients that consistently rely on the firm for creative, cost-conscious, and proven services.



moffatt & nichol
www.moffattnichol.com

Contact

Jessica Allen McIntyre
jmcintyre@moffattnichol.com
1616 East Millbrook Road
Suite 160
Raleigh, NC 27609
T 919.781.4626
F 919.781.4869

Moffatt & Nichol has been on the waterfront since 1945 and took part in its first urban waterfront development in the early 1960s with the creation of Huntington Harbor in southern California. For 67 years the firm's waterfront structural expertise has been indispensable in the evolution of urban waterfronts, modern recreational waterfront facilities, marinas, and small craft harbor designs. The firm has completed feasibility and modeling studies, cost estimates, above- and below-water inspections, and preliminary and final design for more than 7,000 waterfront projects in more than 50 countries for state and local governments and agencies, corporations, and private clients.

Moffatt & Nichol's experience encompasses municipal marina developments, riverside parks and open spaces, destination resorts, residential marina developments, private marinas, ferry and water taxi terminals, boat ramps, boardwalks, promenades, and commercial and historic vessel moorings. The firm's experience also extends to the creation of attractive facilities that allow access for the public to view and enjoy working waterfronts, boater access to safe harbors, and integration of a mix of business units, restaurants, retail outlets, and other leisure facilities.

Moffatt & Nichol offers a professional staff of more than 600 in 28 offices across North America, Canada, Latin America, the Middle East, and the Pacific Rim with corporate headquarters in Long Beach, California and Raleigh, North Carolina.

There are multiple advantages to working with M&N. We are large enough to have both depth and breadth of technical capabilities and expertise, yet small enough to retain a sharp focus on water-related challenges. Supporting waterfront infrastructure has been our core business for 67 years and M&N remains tightly focused on our primary mission—providing excellence in service for marine planning and engineering. We offer clients a professional and experienced staff of civil, structural, mechanical, electrical, coastal, environmental, and construction engineers. M&N remains a family-controlled business. We have been able to remain a strong, growing firm because of our dedication to safety, integrity and customer service. We also have a strong commitment to quality, as evidenced by our repeat client rate of more than 85% throughout the firm and in the Southeast US by the consistent workload that local waterside communities have awarded M&N.



we're creative

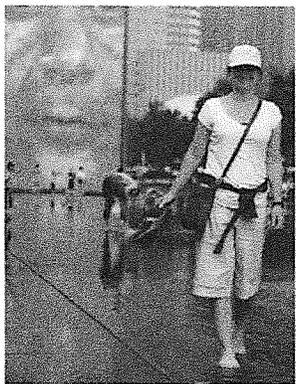
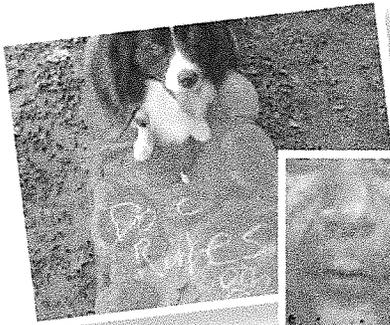
we're active

we're compassionate

team culture

Our Culture & Values

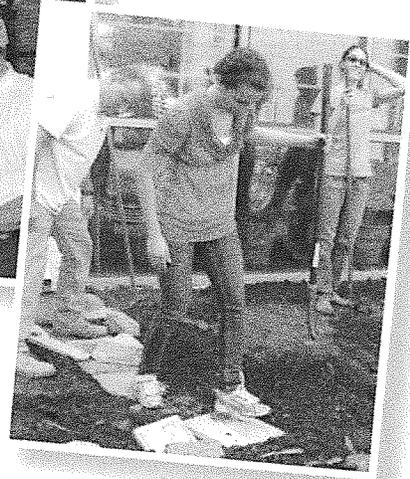
LandDesign will provide leadership and project management for this effort, joined by highly skilled firms and professionals carefully assembled to provide the Hyde County with the expertise and capabilities necessary to deliver a highly effective and innovative design solution. Our team members have collaborated on many past projects, ensuring seamless and efficient creation of a plan that completely reflects and represents the diverse needs and desires of your citizens and provides a working document that realistically identifies workable approaches to implementation. Combined, we offer an unmatched experience base and level of expertise for a creative approach and successful completion of this assignment.



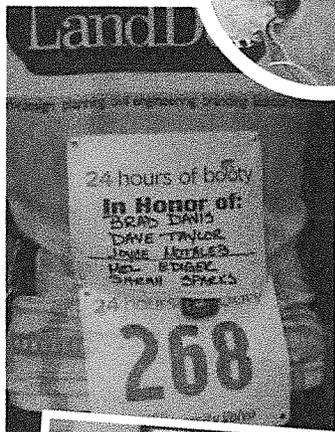
we're travelers & explorers



we're family-oriented



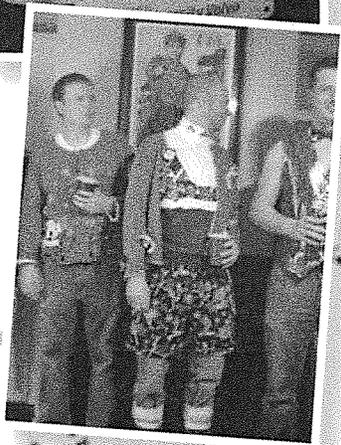
we're volunteers



we're gardeners

we're eco-conscious

we love our work & we love to play

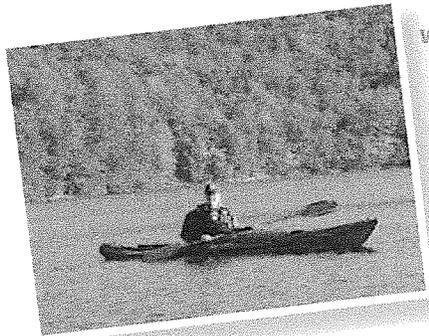


we're cyclists and hikers



we're fun-loving
we're crafty

we're art lovers



we're adventurous

we're asheville natives

we're charlotte transplants

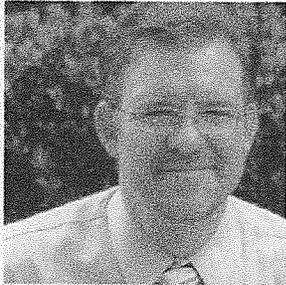


who are we?

Qualifications Resumes

Scott Lagueux

AICP, LEED BD+C, PARTNER, SR PLANNER | CHARLOTTE NC
LandDesign



With over 19 years of experience, Mr. Lagueux is a client-focused, results-oriented leader with a proven track record of managing teams of professionals on complex city planning, waterfront, resort, and other planning and design project efforts in the U.S. and in over 60 countries. His expertise includes market analysis, project feasibility, large-scale city planning and design, redevelopment, complex waterfront planning and design, green design initiatives, placemaking, marketing, and branding.

- City of Washington Waterfront, Washington, NC
- San Juan Community Master Plan, San Juan, Puerto Rico
- Long Range Waterfront Plan, Juneau, AK
- Apex Western Area Plan, Apex, NC
- Murchison Road Corridor Plan, Fayetteville, NC
- Ramsey Street Corridor Plan, Fayetteville, NC
- Cape Town Cruise & Waterfront Strategy, Cape Town, South Africa
- Historic Batumi Waterfront Revitalization, Republic of Georgia
- Caracasbaai Cruise Village & Resort Area, Curacao, Netherlands Antilles
- Sugar Point, Bridgetown, Barbados
- Saint Maarten Waterfront, Saint Maarten, N.A.

American Institute of Certified Planners, 95533
LEED Accredited Professional, #10042951
Master of Arts, Urban and Regional Planning,
University of Florida
Bachelor of Science, Business Administration,
University of Florida

Meg Nealon

AICP, RLA, PARTNER, SENIOR PLANNER | CHARLOTTE NC
LandDesign



Ms. Nealon is a Partner and Senior Planner with LandDesign and has been with the firm since 1991. She is responsible for planning, design development, and project management and is also responsible for managing GIS staff and projects. Her work includes a wide range of large-scale land use planning, corridor studies, small area plans, urban mixed-use development planning, community design, and rezoning projects.

- City of Washington Waterfront, Washington, NC
- Lake Lure Comprehensive Plan, Lake Lure, NC
- Atlantic Beach Redevelopment Plan, Atlantic Beach, SC
- Apex Western Area Plan, Apex, NC
- Hickory Inspiring Spaces Initiative, Hickory, NC
- Murchison Road Corridor Plan, Fayetteville, NC
- Ramsey Street Corridor Plan, Fayetteville, NC
- Beverly Heights Neighborhood Plan, Ft. Lauderdale, FL
- Strategic Regional Open Space Framework, Charlotte Region (14 counties), NC
- Mills River Comprehensive Land Use Plan, Mills River, NC
- Sustainable Growth Strategy for the Fort Bragg Region, Fort Bragg Region, NC

American Institute of Certified Planners, 015044
Registered Landscape Architect, NC# 827
Master of Regional Planning, University of North Carolina Chapel Hill
Bachelor of Landscape Architecture, University of Georgia

Kate Pearce

SENIOR ASSOCIATE, PLANNER | CHARLOTTE NC

LandDesign



Ms. Pearce is a Senior Associate and Senior Planner at LandDesign. She is responsible for the day-to-day management of a wide variety of public sector planning projects including

regional plans, land use and infrastructure studies, comprehensive area plans, corridor reports, park & recreation master plans, small area plans and various other planning related efforts.

Tri-County Transportation & Land Use Study,
Robertson, Sumner & Wilson Counties, TN

Sustainable Growth Management Plan for the Fort Bragg Region, Fort Bragg Region, NC

Greensboro Western Area Land Use and Infrastructure Plan, Greensboro, NC

GrWNC: Western North Carolina Livable Communities Initiative, Western NC

Fort Mill Comprehensive Plan Update, Fort Mill, SC

Greenwood Linear Park & Extension, Greenwood, MS

Strategic Community Master Plan for Lower Richland County, Richland County

Strategic Community Master Plan for Spring Hill, Richland County

Master of City and Regional Planning, University of North Carolina, Chapel Hill

Master of Business Administration, Millsaps College

Bachelor of Economics, Millsaps College

Marshall Gill

EI, LEED GREEN ASSOCIATE | RALEIGH NC

LandDesign



Mr. Gill is an Engineering Intern in the Civil Engineering department responsible for construction document preparation and overall layout and design of commercial, industrial, and residential

projects, including design of roadways, grading, stormwater management, wastewater collection systems, water distribution, and erosion and sediment control. He has specific expertise in stormwater management, grading, earthwork analysis and water quality systems. He also has an understanding of innovative utility and infrastructure design methods, including innovative storm water technology.

Raleigh Downtown Operations Facility, Raleigh, NC

Raleigh Fire Station 29, Raleigh, NC

Chowan University Athletic Facility Master Plan, Murfreesboro NC

Chowan University Student Housing Phases 1 & 2, Murfreesboro, NC

Chowan University Infrastructure Waterline, Murfreesboro, NC

Dorothea Commons, Raleigh, NC

Sutton Road Improvements, Fort Mill, SC

Hilton Field Fort Jackson, Columbia, SC

Worthdale Park Comfort Station, Raleigh, NC

Morganton Park, Southern Pines, NC

Oakwood North, Raleigh, NC

Engineering Intern, NC # A-26569

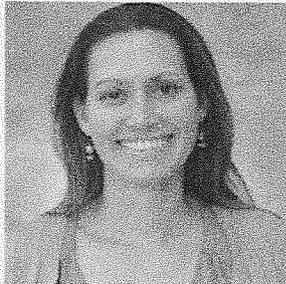
LEED Green Associate

Bachelor of Science, Civil Engineering, North Carolina State University

Qualifications Resumes

Jessica A. McIntyre

PE, WATERFRONT STRUCTURAL ENGINEER | RALEIGH NC
Moffatt & Nichol



Ms. McIntyre possesses more than 14 years of planning, permitting and engineering experience with a focus on waterfront projects, particularly urban waterfronts and marinas. As a project

engineer, she has provided project management and engineering support for a range of recreational waterfront projects such as marinas, boat ramps, and riverwalks. Her experience includes concept development and feasibility studies, environmental permitting, evaluation and repair of existing facilities, design of new facilities, and bid phase and construction support services.

Sound Side Dock, Emerald Isle, NC

W.O.Thomas Jr. Boat Landing Dock Replacement, North Charleston, SC

Marine Industrial Park, Bucksport, SC

Delaware River Boat Access Boat Ramp, Riegelsville, NJ

O'Neill's Marina & Maximo Park Master Plan & Concept Development, St. Petersburg, FL

Perquimans County Industrial Park, Perquimans County, NC

Nashville Riverfront Park, Nashville, TN

Tampa Riverwalk, Tampa, FL

Hillsborough River Seawall Investigation and Repairs, Tampa, FL

The Wharf at the Southwest Waterfront, Washington, DC

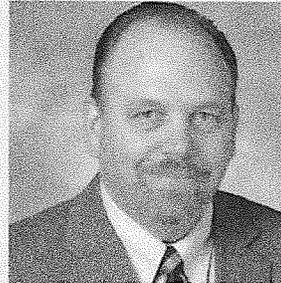
Registered Professional Engineer, NC #037197,
SC #30646, FL #58695

Master of Engineering, University of Florida

Bachelor of Science, Civil Engineering, North Carolina State University

Timothy R. Reid

PE, SENIOR CIVIL ENGINEER | RALEIGH NC
Moffatt & Nichol



Mr. Reid is currently the Moffatt & Nichol Business Unit Manager for our Raleigh, North Carolina office overseeing its day-to-day operations and having responsibility for assigning office

resources to furnish timely and accurate project completion. In addition, he routinely provides quality control/assurance, team coordination, and project oversight. In addition to being a vice president, Mr. Reid is a senior civil engineer with more than 28 years of project management, planning, evaluation, design, construction document preparation, and post-construction award services experience acquired on a wide variety of urban waterfront assignments. His project management experience includes team assembly, direction of personnel and subcontractors, client relations, proposal preparation, manpower estimates, project oversight and other administrative duties.

Gallants Channel Waterfront "2006 Tall Ships Event" Site Preparation, Beaufort, NC

Marine Industrial Park, Bucksport, SC

Wanchese Seafood Industrial Park, Dock & Shoreline Improvements, Wanchese, NC

Perquimans County Industrial Park, Perquimans County, NC

Davis Island Boat Ramp Improvements, Tampa, FL

Uwharrie Point Marina, Badin Lake, NC

Kings Point Marina, Lake Norman, NC

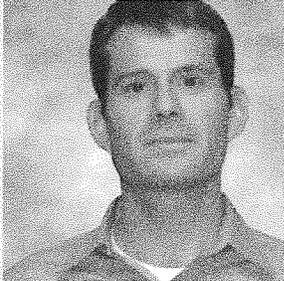
Bridge Scour Inspections, Various Locations, NC

Registered Professional Engineer, NC #15869, FL #47453, GA #029938, KY #22449, SC#24067

Bachelor of Science, Civil Engineering, NC State University

Peter J. Elkan

PE, COASTAL & HYDRAULIC ENGINEER | RALEIGH NC
Moffatt & Nichol



Mr. Elkan possesses more than 16 years of experience as a coastal engineer working on a wide variety of waterfront projects. His broad background covers the planning, design, and preparation of planning

documents for urban waterfronts and marinas, including floating dock systems, piers, bulkheads, shore protection, and dredging. His technical experience includes floodplain analysis, water quality modeling, coastal and riverine hydrodynamics and sedimentation, shore protection and stabilization, design of marina components, dredging, and watersheds. He provides in-depth experience with many hydrologic and hydraulic numerical model standard in the industry, including HEC-RAS, HEC-HMS, QUAL2E, and RMA-2. In addition, Mr. Elkan has completed Rosgen training through Level II.

Perquimans County Industrial Park, Perquimans County, NC

Marine Industrial Park Conceptual Plan, Bucksport, SC

North Carolina Beach and Inlet Management Plan, NC

US 70 Bridge Replacement Tidal Hydraulic Modeling, Beaufort, NC

Neuse River Basin Hydrologic Model, Raleigh, NC

Outer Banks Stormwater Ordinances Low-Impact Development Implementation, Dare and Currituck Counties, NC

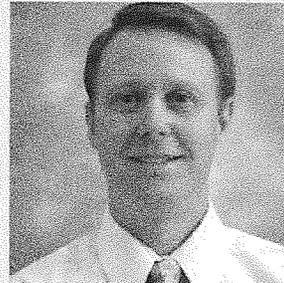
Nashville Riverfront Park Master Plan and Conceptual Design, Nashville, TN

Registered Professional Engineer, NC # 24720, FL #53153

Master of Science, Environmental Policy & Management, University of North Carolina

Mikele E. Winters

PE, SENIOR STRUCTURAL ENGINEER | RALEIGH NC
Moffatt & Nichol



Since joining Moffatt & Nichol in 1997, Mr. Winters has provided structural engineering for waterfront and transportation structures. He has provided inspection, planning, preliminary and final design,

construction document preparation, bid support, and post-construction-award services for a variety of structures in civil works and recreational projects. This experience includes structural modeling, analysis, and evaluation of piers, riverwalks, wharves, bulkheads, cofferdams, and bridges. Mr. Winters heads the structural department of the Raleigh, NC office and in this role oversees the day-to-day activities and project assignment. In addition, he provides quality control review of structural designs and construction documents.

Wanchese Seafood Industrial Park Dock and Shoreline Improvements, Wanchese, NC

Sound Side Dock, Emerald Isle, NC

Gallants Channel Waterfront, Beaufort, NC

North Carolina Aquarium Pier, Emerald Isle, NC

Hyde County Shoreline Protection & Intertidal Marsh Creation, Ocracoke Island, NC

US 17 over Cape Fear River Vessel Impact Study, Wilmington, NC

US 13/US 158 over Chowan River Vessel Impact Study, Winton, NC

Registered Professional Engineer, NC #2643, TN #114024

MCE Civil Engineering, Structural Engineering, NC State University

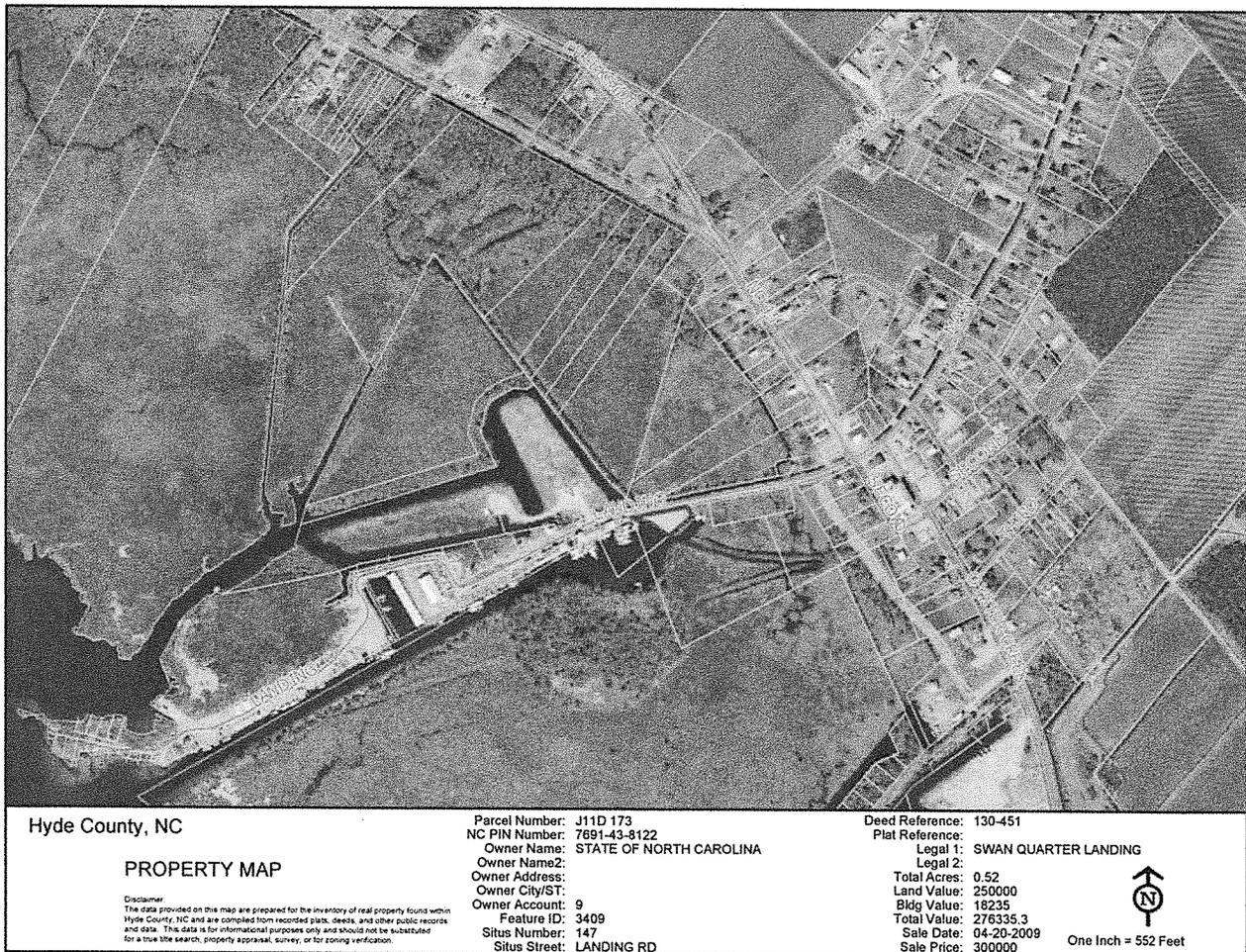
Bachelor of Science, Civil Engineering, Structural Engineering, NC State University

Qualifications Project Experience

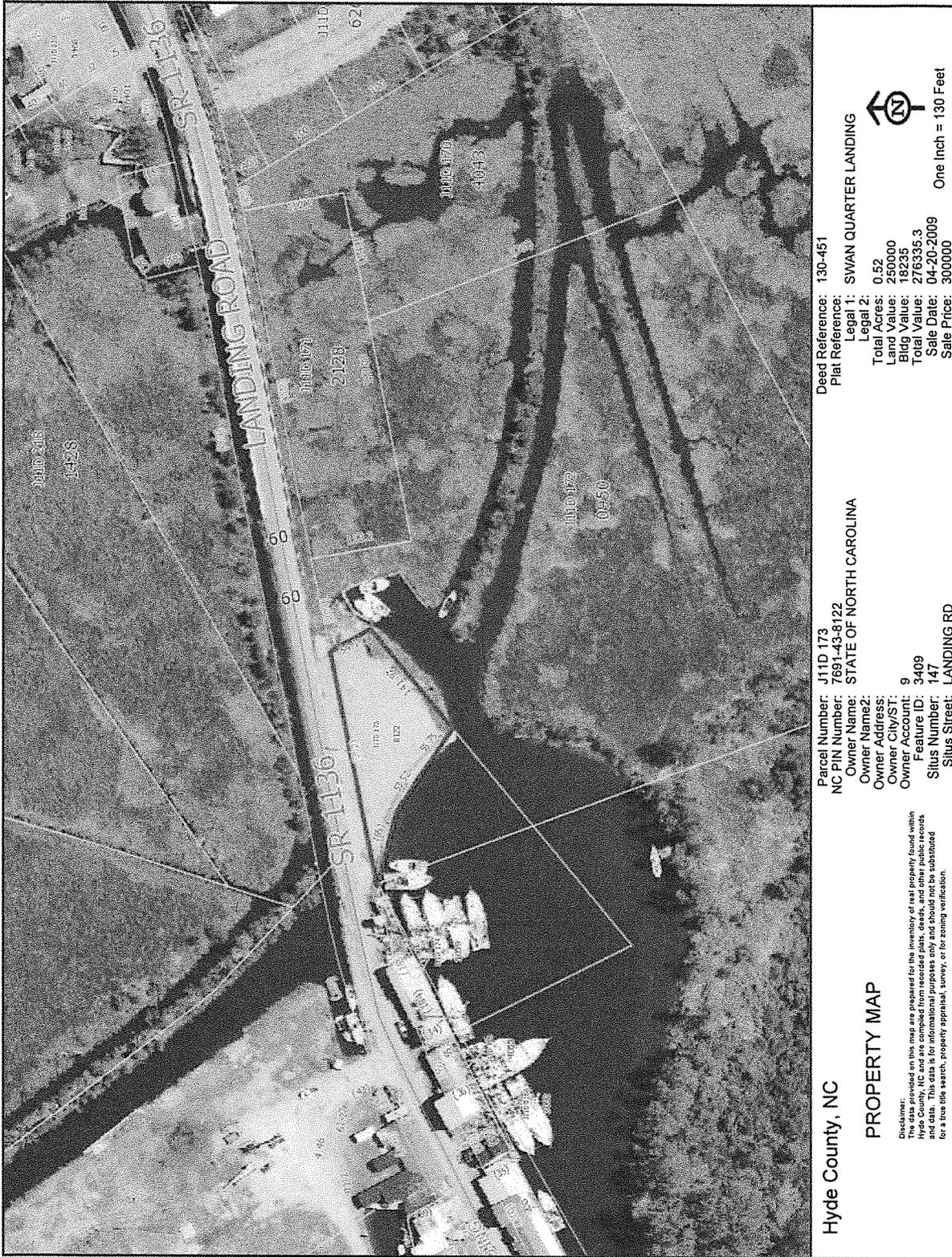
The following pages of project experience are a sample of work that is similar to the Redevelopment of Swan Quarter's waterfront. Various aspects of these projects are representative of the type of services that will be required by this proposed project including:

- Confirming the boundary survey, easements/encroachments and conducting topographic survey including adjacent deep water basin
- Facilitating meetings with stakeholders identified by the County
- Developing optional land planning concepts, reviewing the concepts with County staff and refining the concepts to a final site master plan
- Facilitating environmental scope reconnaissance meetings with applicable jurisdictional agencies
- Facilitating stakeholder meetings to identify appropriate operational management strategy
- Preparing preliminary opinion of probable cost based on final conceptual site master development plan
- Assisting the County in applying for and acquiring CAMA and COE jurisdictional permits for proposed redevelopment activities
- Preparing a written report summarizing the redevelopment master plan including assessment of the site, description of proposed individual facilities/amenities, precedent images, environmental permitting requirements, constraints and mitigation measures, cost opinion, and potential funding opportunities

The below maps, taken from Hyde County GIS, highlight the site in the context of the surrounding community. The team will take into account various elements of the site as the master plan is developed including, but not limited to, accessibility from major intersections such as NC45, Main Street, Landing Road and Second Street; landmarks and gateways such as Pat's Service Station; and the channel that runs parallel to Landing Road.



Project Experience Qualifications



Qualifications Project Experience



City of Washington Master Plan

LOCATION

Washington, NC

CLIENT

City of Washington, NC

PROJECT DATES

July 2009 - October 2009

TEAMING FIRMS INVOLVEMENT

LandDesign [Prime Consultant]

FIRM CONTRACT

\$51,000

REFERENCE

Ross Hamory, President

Downtown Washington on the
Waterfront

102 East 2nd Street, Suite 311A

Washington, NC 27889

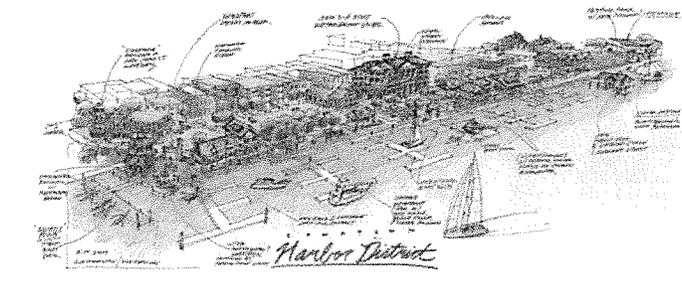
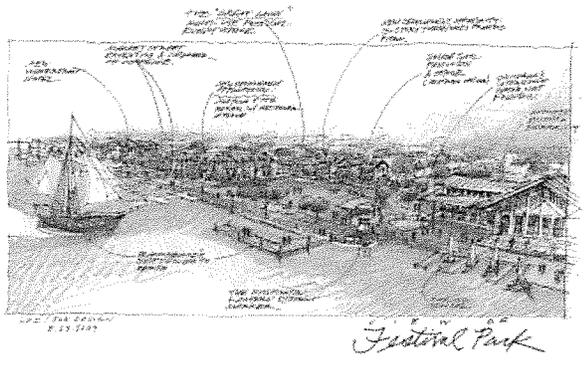
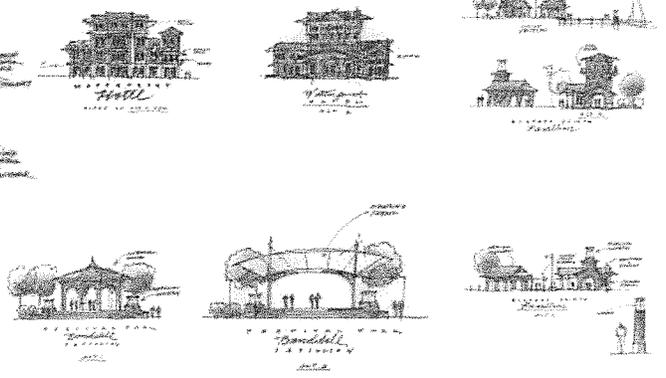
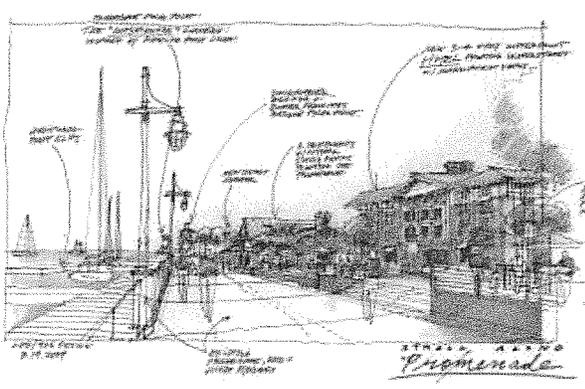
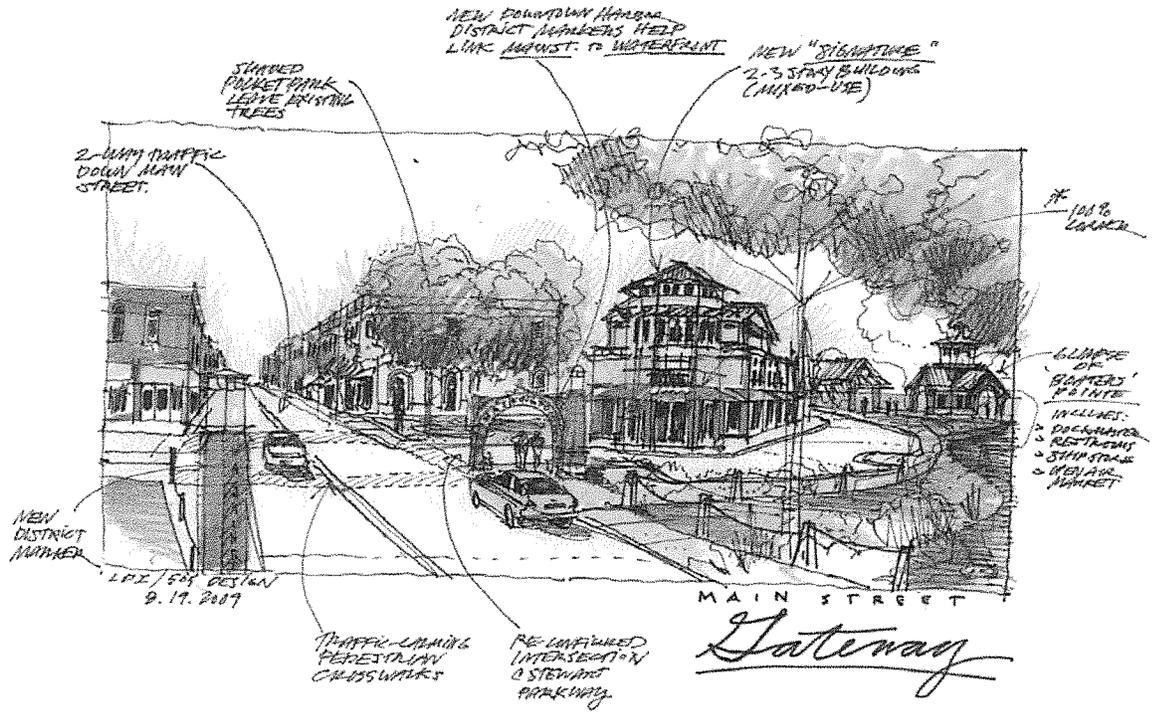
dwow@washingtononthewater.com

252.946.3969

LandDesign, with project partner 505Design, was retained by the City of Washington, NC and its Citizens for Revitalization Committee to prepare a 20-year vision for its waterfront and the adjacent portion of its historic downtown. While traditional land use and planning components played a part, the project effort was focused on guiding the community to visualize its preferred future and illustrating a mutually agreed-upon direction for citizens, investors, and others. In many ways, the study and its results served as a visual and strategic reinforcement of the Washington Downtown Harbor District's new brand, a vision that its citizens can rally behind to market themselves and prioritize investment dollars.

Public participation played a key role in this project, with the LandDesign/505Design team facilitating three points of public interaction and design effort within a three-day design charrette at the midpoint of the planning process. Participation by the community was significant and positive, with over 450 citizens participating in at least one of the three public meetings. The plan included production of a series of final renderings and views of the fully realized waterfront vision as well as several instructive vignettes and character photos of project elements. A complete implementation strategy outlining improvements over five phases was prepared, with emphasis placed on identifying initial efforts intended to build a foundation for long-term plan success and establish a correct mix of revenue-generating enhancements with those that are revenue neutral or negative.

Project Experience Qualifications



Qualifications Project Experience



San Juan Community Master Plan

LOCATION
San Juan, PR

CLIENT
Forest City Development &
Government of Puerto Rico

PROJECT DATES
October 2010 - March 2013

TEAMING FIRMS INVOLVEMENT
LandDesign [Prime Consultant]

FIRM CONTRACT
\$700,000

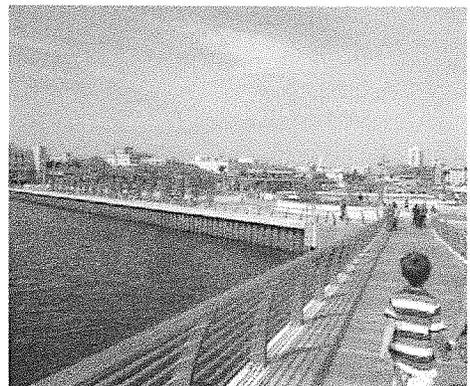
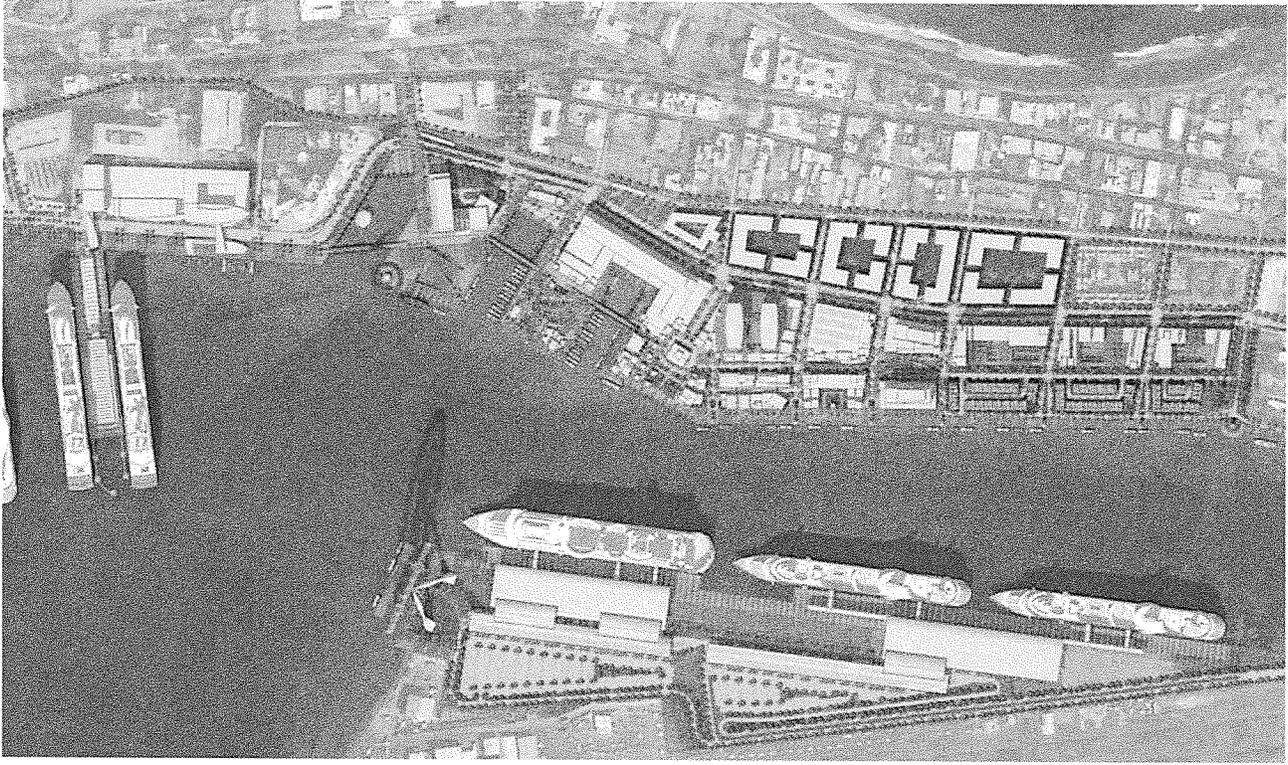
REFERENCE
Carlos F. Amy | Former Secretario
Auxiliar | Departamento de
Desarrollo
Económico y Comercio | Gobierno
de Puerto Rico | Currently Managing
Director | Prisa Group
#120 Rd. 693, Dorado, P.R. 00646
camy@prisagroup.com
787.796.5656

San Juan Waterfront is an expansive 100+ acre redevelopment of under-utilized industrial, port, and other waterfront properties situated along the northern edge of San Antonio Canal within the historic Isleta de San Juan in Puerto Rico.

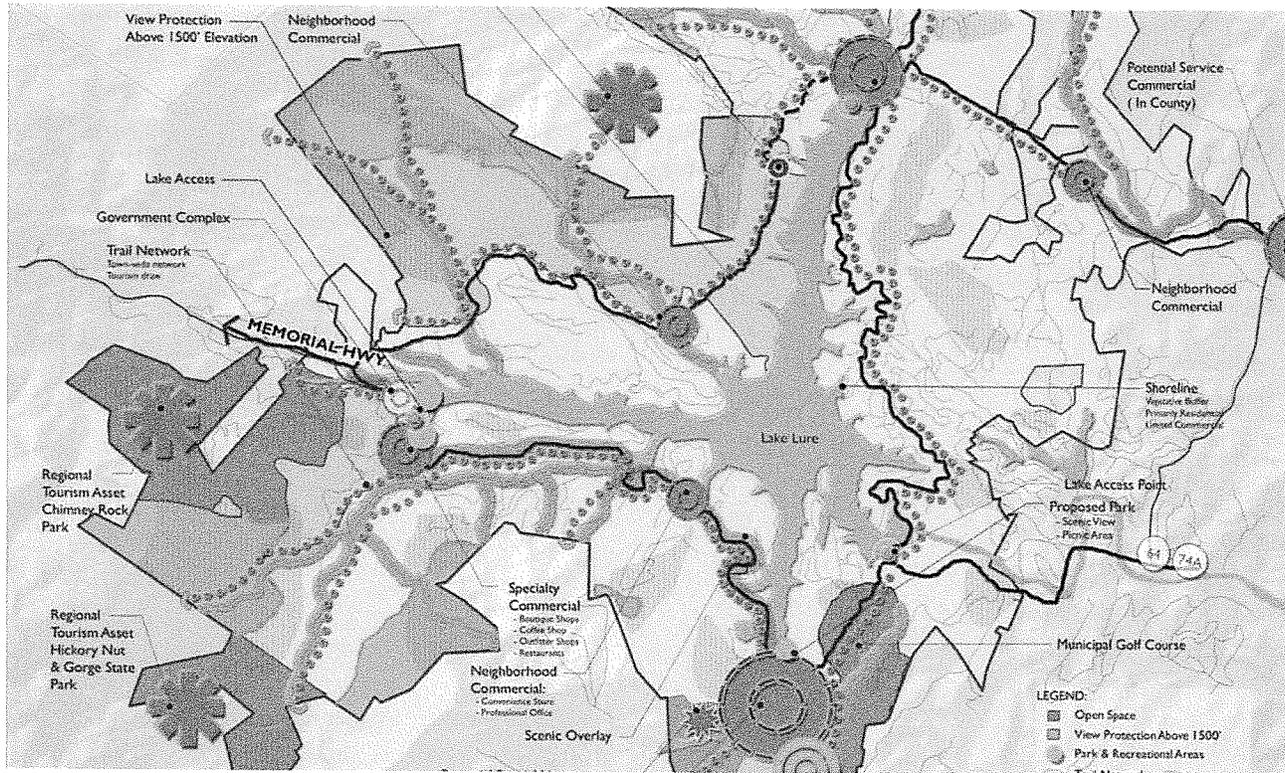
The project calls for the return of the waterfront to the people of San Juan and Puerto Rico through creation of a series of vibrant and diverse neighborhoods supporting commercial, residential, hospitality, and civic uses interlinked by a unique paseo and green park system made up of a series of parks, urban plazas, and waterfront paths to create memorable pedestrian corridors. Residential neighborhoods will be comprised of an eclectic and varied product mix.

Connectivity and accessibility is a key component of the project's sustainable development approach; residents and visitors will be able to get to and from the San Juan Waterfront by foot, bicycle, car, light rail, and water taxi. LandDesign, with project partner 505Design, is also embarking on a series of additional planning efforts for the broader San Juan Bay, inclusive of planning for the redevelopment of a cruise homeport and port-of-call facilities and other attractions.

Project Experience **Qualifications**



Qualifications Project Experience



Lake Lure Comprehensive Plan

LOCATION

Lake Lure, NC

CLIENT

Town of Lake Lure

PROJECT PERIOD

March 2005 - June 2007

TEAMING FIRMS INVOLVEMENT

LandDesign [Prime Consultant]

FIRM CONTRACT

\$102,000

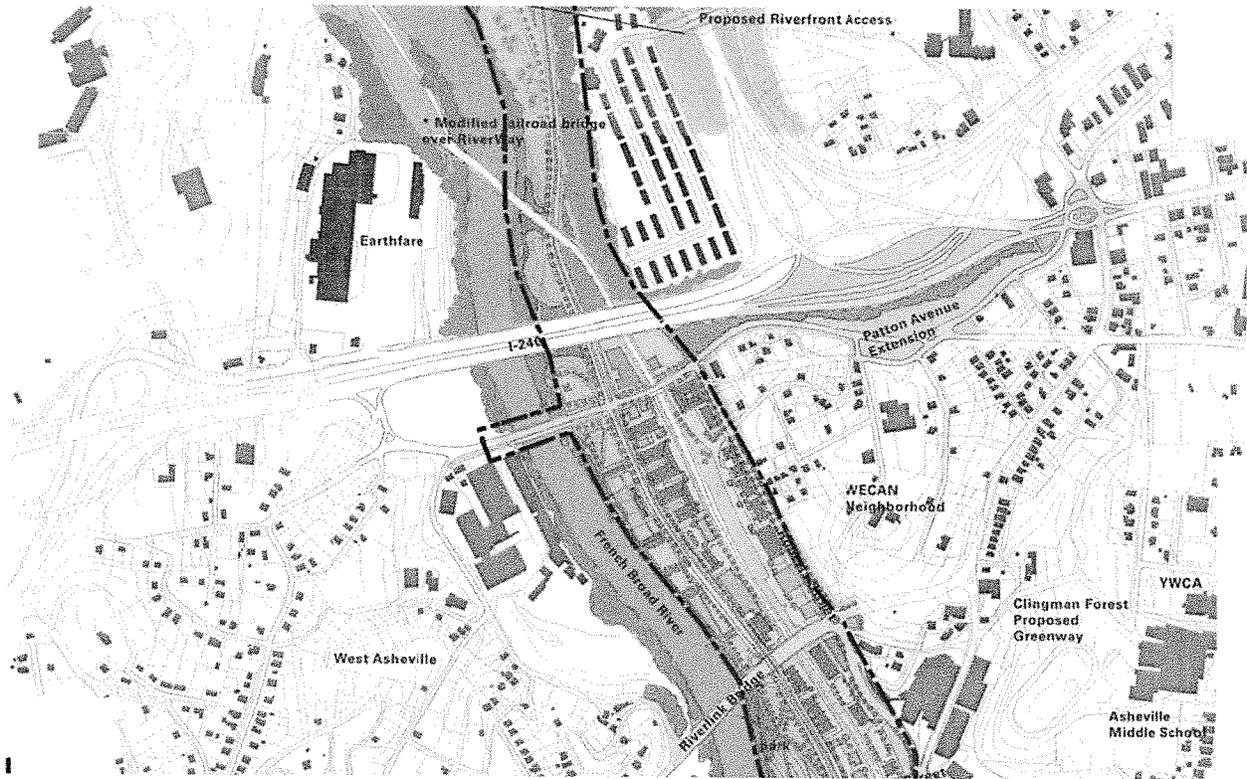
REFERENCE

Mr. Shannon Baldwin
Community Development
Administrator
Town of Lake Lure
2948 Memorial Highway
Lake Lure, NC 28746
828.625.9983

In the North Carolina mountains just east of Asheville, Lake Lure is a historic mountain community valued for its wide range of recreational activities supported by a physically and ecologically diverse environment. As a thriving tourist destination with a strong second-home market, the town is changing at a rapid pace relative to other areas in Rutherford County. Concerned with the impact of growth and development and striving to preserve the character that makes the town so appealing to visitors and homebuyers, LandDesign was contracted to complete a comprehensive plan that sensitively integrates a variety of residential and non-residential uses into the historic town and areas surrounding the lake.

The plan also addresses the impact of new subdivisions on the environment and natural resources, including prominent views to ridgelines that affect property values and the economy as well as infrastructure needs to support quality growth. In addition to land use, the plan addresses issues such as character preservation, access and circulation of scenic mountain byways, and natural resource preservation. The process involved input from a wide variety of interest groups, including second-home owners, through a brief mail-delivered survey.

Project Experience Qualifications



Wilma Dykeman Riverway River Arts District Transportation Improvement Project (RADTIP)

LOCATION
Asheville, NC

CLIENT
City of Asheville / CDM Smith

PROJECT DATES
May 2010 - Present
[Multi-Phased Project]

CONSULTANT FIRMS
LandDesign [Sub Consultant]

FIRM CONTRACT
\$14,200

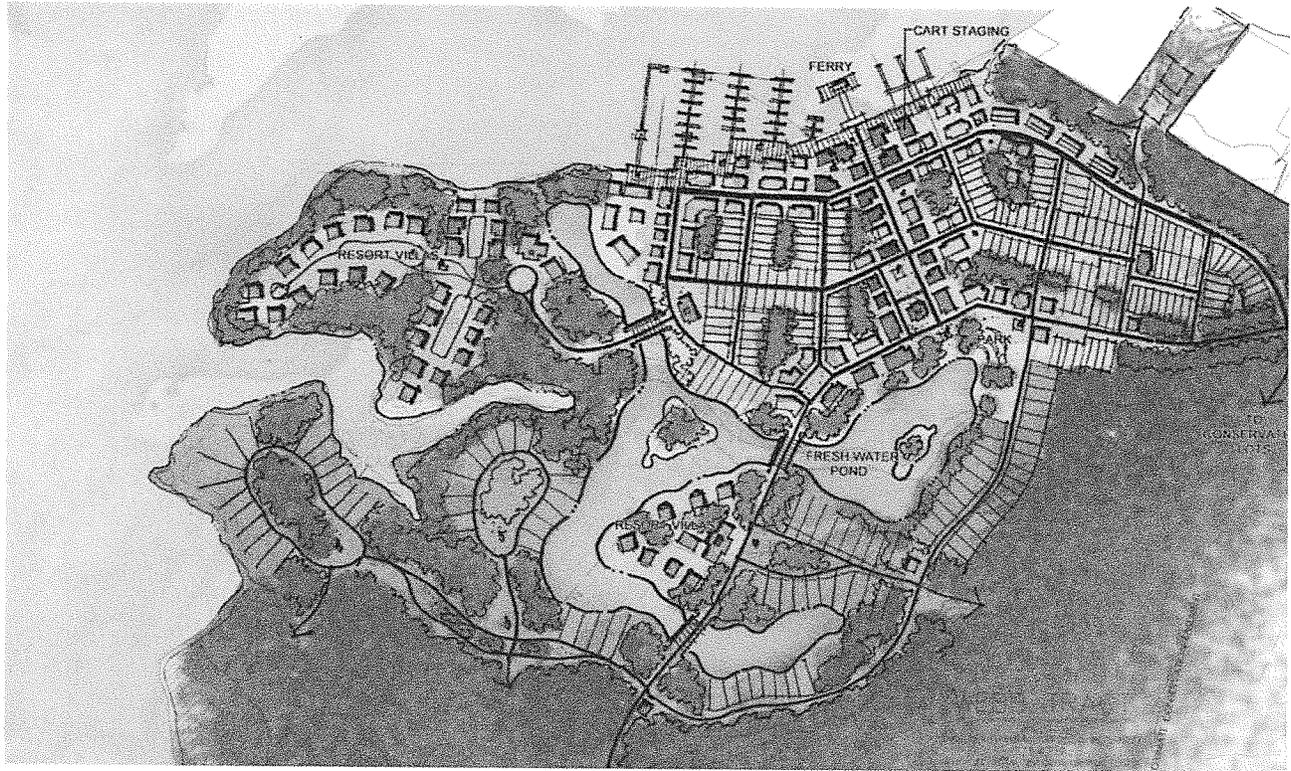
REFERENCE
Rajit Ramkumar
CDM Smith
5400 Glenwood Avenue, Suite 300
Raleigh, NC 27612
RamkumarR@cdmsmith.com
919.325.3606

This project implements a 2 mile portion of the 2004 Wilma Dykeman RiverWay Master Plan, the City of Asheville's signature greenway project and includes environmental documentation, analysis of project alternatives, functional and preliminary roadway designs, and the development of a project implementation strategy for roadway and greenway improvements in the River Arts District of Asheville.

The River Arts District houses working artist studios in large industrial warehouses and former Cotton Mill buildings along the French Broad River. This area will continue to grow as new and reused mixed-use buildings offer more living and work space for artists and individuals interested in living and working by the river. This phase is the most technical to-date – with complex NEPA, state, and federal agency submittal and review requirements balanced with other design factors such as aesthetics and character, economic development, environmental sustainability, recreational opportunities, and resource preservation.

For the Wilma Dykeman Riverway project, LandDesign is leading an extensive community involvement process for this planning effort and has coordinated and facilitated over forty (40) well-received public meetings, presentations and stakeholder interviews for this project in range of sizes and locations, including artist studios and unique trolley study area tour with the local citizen advisory committee.

Qualifications Project Experience



Daufuskie Marina Village

LOCATION

Daufuskie Island, SC

CLIENT

Conservation by Design

PROJECT PERIOD

August 2007 - August 2008

TEAMING FIRMS INVOLVEMENT

LandDesign [Prime Consultant]

FIRM CONTRACT

\$45,560

REFERENCE

Pete Lang

Conservation by Design

111 Clebourne Street

Suite 200

Fort Mill, SC 29715

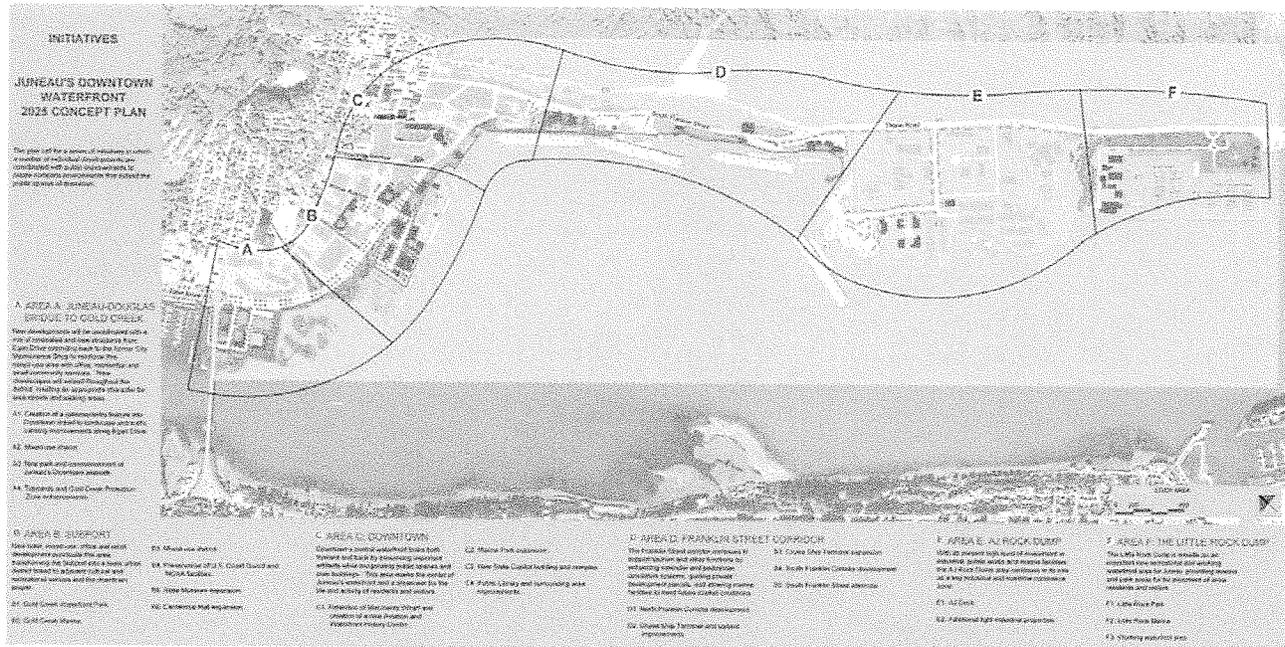
803.547.7853

LandDesign was retained to develop a Marina Village Master Plan for the 740-acre Webb Tract on the pristine island of Daufuskie off the coast of Savannah, Georgia and southwest of Hilton Head Island by ferry. To ensure an environmentally sensitive approach, much of the tract was placed in a conservation easement to balance the potential development strains and provide for habitat protection, while the portion of the site with frontage on the Cooper River is envisioned to be the civic, cultural and transportation 'center' for the island.

An authentic marina village is conceived to leverage ferry and docking facilities permitted for the island on the Cooper River, one which creates a community that provides a broad range of experiences for its residents with engaging places that bring together the best of island living, a launch for island tourism, and unparalleled access to nature. Relevant features of the project included:

- Extensive mixed-use waterfront planning and urban design features of which water taxi and ferry facilities are a part
- Deep exploration and engagement in the process of creating memorable districts and project elements with appeal to both visitors and residents
- Sustainable and low impact design features
- Site entitlements

Project Experience Qualifications



Personal experience of Scott Lagueux while with Bermello, Ajamil & Partners, Inc.

Long Range Waterfront Plan

LOCATION

Juneau, AK

CLIENT

City and Borough of Juneau

PROJECT PERIOD

2003 / 2004

TEAMING FIRMS INVOLVEMENT

Scott Lagueux (Personal Experience while with B&A)

FIRM CONTRACT

\$135,000

REFERENCE

Ms. Donna Pierce, Deputy City Manager
 City and Borough of Juneau
 155 South Seward Street
 Juneau, AK 99801

Mr. Lagueux lead the preparation of the Waterfront Development Plan for the City and Borough of Juneau, Alaska. The Waterfront Development Plan provided a unique opportunity for Juneau to strengthen the quality of its waterfront through a revitalization effort aimed at increasing usage by local citizens and creating major attractions for land based and cruise visitors alike.

The Plan process included a series of public workshops and points of design engagement with the diverse recreational, industrial, commercial and other interests found along the waterfront and in Downtown Juneau. The resulting master plan linked the working waterfront to the present Downtown and created a vision to support tourism, fishing interests, create public use, private sector investment, and energize existing waterfront activities.

Qualifications Project Experience



RiverWalk

LOCATION
Rock Hill, SC

CLIENT
Assured Group of Companies,
City of Rock Hill

PROJECT DATES
July 2006 - October 2009

CONSULTANT FIRMS
LandDesign [Prime Consultant]

FIRM CONTRACT
+ \$400,000

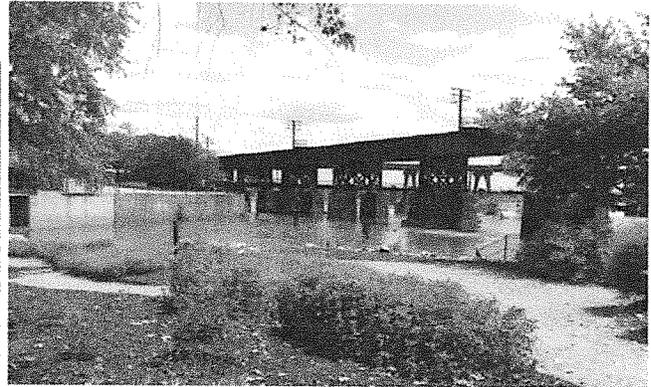
REFERENCE
Dave Williams
Assured Group of Companies
2850 Cherry Road
Rock Hill, SC 29730
dwilliams@assuredllc.com
704.965.9268

RiverWalk is a master planned community consisting of over 3,000 residential units, a walkable town center, a business park, and 350+ acres of natural open space. The mixed-use development is situated on 1,000 acres of natural hardwood forest located along over three miles of Catawba River frontage, just 20 minutes south of Uptown Charlotte. The concept for RiverWalk is to connect an active lifestyle to vast natural and planned amenities that will include hiking, biking, boating, a regional baseball complex, a state-of-the-art Velodrome designed to Olympic training standards, and hundreds of acres of trails, gardens, parks, and river access.

Project Experience **Qualifications**



Qualifications Project Experience



Richmond Riverfront

LOCATION

Richmond, VA

CLIENT

City of Richmond

PROJECT PERIOD

September 2011 - November 2012

TEAMING FIRMS INVOLVEMENT

Moffatt Nichol [Sub Consultant]

FIRM CONTRACT

\$102,000

REFERENCE

Mark Olinger

City of Richmond

900 East Broad Street

Room 1104

Richmond, VA 23219

804.646.4169

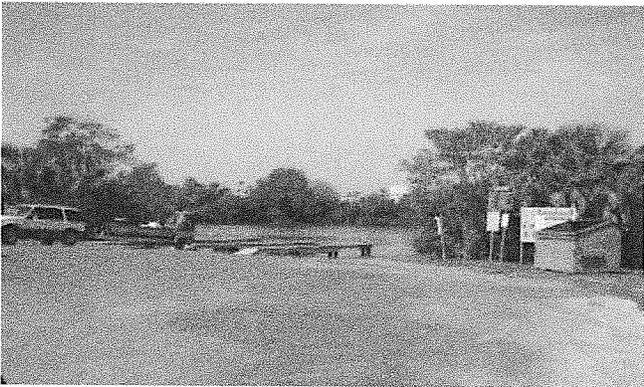
As part of an interdisciplinary design team, Moffatt & Nichol developed the marine components of a master plan for the redevelopment of approximately two miles of riverfront in downtown Richmond along both banks of the James River between the Robert E. Lee Bridge and Rockett's Landing, encompassing approximately 830 acres of land and water and connecting to the existing street grid and rail tracks.

A continuation of the 2009 Downtown Plan, the riverfront master plan identified opportunities for increasing public water access, connecting with the waterfront with greenway systems, increasing recreational boating, addressing land use and zoning, and promoting economic redevelopment. In addition to visual connection of the riverfront to the James River, the plan revitalizes physical connections including recreational activities, such as boating, wading, fishing, and rapids; commercial activities, such as river and canal tours; historic and cultural activities, such as tall ship berths and historical walks along the river.

Following reconnaissance of the proposed site and multiple workshops to develop conceptual alternatives, Moffatt & Nichol proposed several project elements to improve or create infrastructure along the riverfront, including marina docks, piers, wharves, pedestrian walkways, and shoreline restoration and stabilization. The concepts were presented to public and private stakeholders, community groups, and City organizations to solicit input; this input was incorporated into the final Riverfront Plan.

Development of the master plan included a phased approach to implementation and recommendations for steps continuing forward including funding alternatives and property acquisition. Continuing as a subconsultant on the design team, Moffatt & Nichol was recently selected to continue with implementation of the first phases of the Riverfront Plan.

Project Experience **Qualifications**



O'Neill's Marina & Maximo Park Master Plan

LOCATION

St. Petersburg, FL

CLIENT

City of St. Petersburg

PROJECT PERIOD

September 2006 – August 2007

TEAMING FIRMS INVOLVEMENT

Moffatt Nichol [Sub Consultant]

FIRM CONTRACT

\$7,000,000 (Estimate)

REFERENCE

Beth Herendeen

City of St. Petersburg

175 5th Street North

St. Petersburg, FL 33731

beth.herendeen@stpete.org

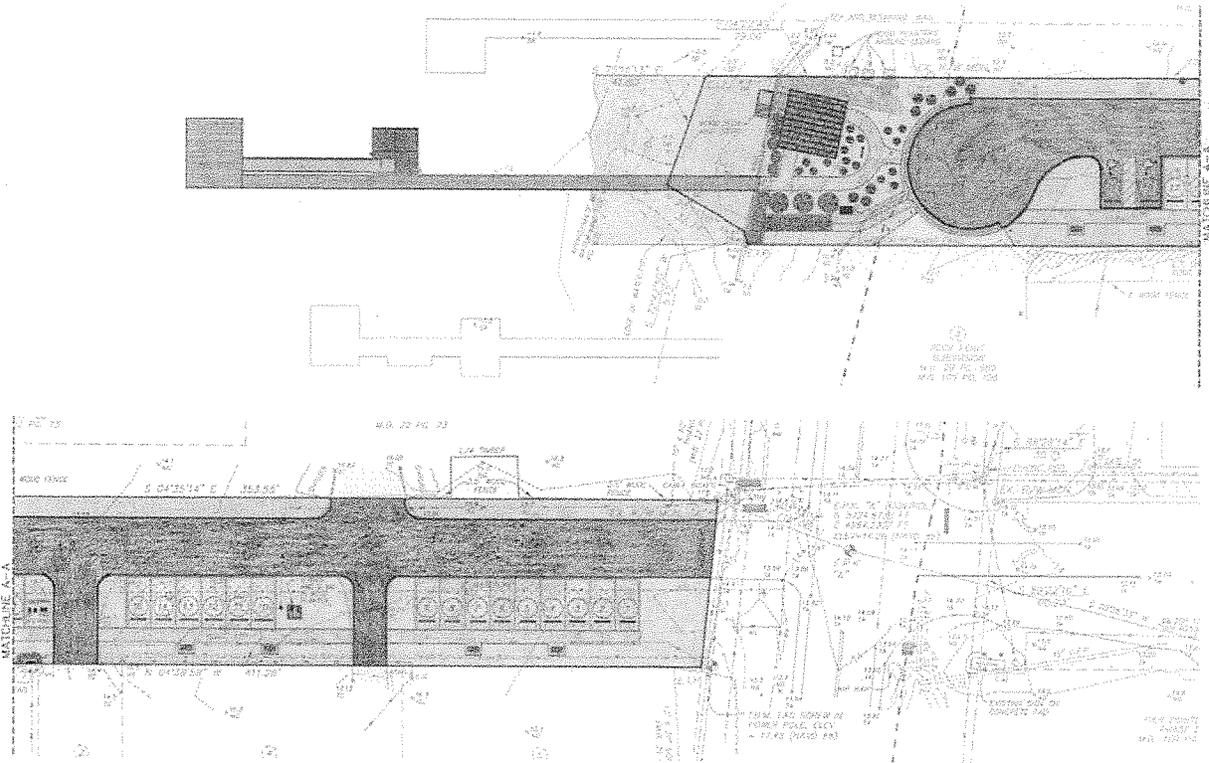
727.893.7465

In a further effort to help the City meet its goal of preserving and enhancing waterfront access, Moffatt & Nichol completed a master planning study on behalf of the City to determine the feasibility of refurbishing and operating O'Neill's Marina—one of the oldest operating marinas in St. Petersburg. Additionally, as part of the planning effort, Moffatt & Nichol developed concepts for a new mooring field near O'Neill's, as well as the refurbishment of the boat ramps and construction of a new "high and dry" facility in the adjacent Maximo Park a 70-acre public park with a walking trails, picnic areas, a beach, and a 7-lane boat ramp.

The marina, originally constructed in 1954, has been leased by the O'Neill family since its inception. This facility features 108 wet slips for boats generally less than 35 feet and enough land on the property for dry storage of approximately 125 boats on trailers. Marina clientele include recreational and commercial fishing boaters.

Following an above-water investigation of the marina and adjacent Maximo Park to confirm record drawings and document existing conditions, Moffatt & Nichol completed master plan development for the sites to improve public boating accessibility for the City. The master plan effort evaluated renovation of O'Neill's Marina to meet current industry standards and codes, renovation of the boat ramp facilities at Maximo Park, construction of a swing mooring field off the Maximo Park shoreline, and construction of a dry stack docking facility at Maximo Park. Several design configurations were developed for each with an evaluation of existing site conditions, environmental permitting considerations, construction cost estimates, range of potential revenues, public funding sources, and an anticipated timeline for construction of the various proposed components at O'Neill's Marina and Maximo Park. Moffatt & Nichol compiled the findings of the master plan effort into a report and presented the master plan to City Council for funding evaluation.

Qualifications Project Experience



South Side Dock

LOCATION

Emerald Isle, NC

CLIENT

North Carolina Department of
Environment and Natural Resources
Aquarium Division

PROJECT PERIOD

March 2009 - June 2012

TEAMING FIRMS INVOLVEMENT

Moffatt Nichol [Sub Consultant]

FIRM CONTRACT

\$120,400

REFERENCE

Chris Ivers
Capital Projects Coordinator
3125 Poplarwood Court
Suite 160
Raleigh, NC 27604
919.707.8527

For this North Carolina Aquarium facility, Moffatt & Nichol completed environmental permitting, final design, and construction support services for a new pedestrian pier and kayak launch on the Bogue Sound – part of NC Aquariums initiative to enhance the state’s coastal experience with increased public access and educational/ environmental programs. NC Aquariums was awarded \$4 million from the Waterfront Access and Marine Industry Fund (WAMI) to be used toward development of state-owned and operated ocean fishing piers on the North Carolina coast with \$2 million designated for planning and site development for a pier at Emerald Isle. The Emerald Isle pier scope was expanded to include a smaller pier on the sound across the street from the proposed ocean pier, using a portion of the WAMI funding to cover the design and construction costs. Together with NCDENR and NC Aquariums staff, Moffatt & Nichol developed a program for the pier within the funding timeline and available budget.

The pier consists of a combination of fixed timber pier and low-freeboard floating docks, designed to blend in with the existing private piers adjacent to the property. The Sound Side Dock serves as an annex to the nearby Pine Knoll Shores Aquarium, providing a sound side venue for the Aquarium’s educational programs, including kayak tours. The pier and kayak launch were constructed in the summer of 2012 meeting the WAMI funding schedule and budget.

The original project included improvements to the uplands – picnic shelter, repaving, improved parking, landscaping, and stormwater treatment – but due to its location within the coastal hazard zone and limited time frame of funding availability, the uplands portion was removed to streamline the permitting process. The uplands development design was finalized and submitted to the State for future planning.

Project Experience **Qualifications**



Wanchese Seafood Industrial Park, Dock & Shoreline Improvements

LOCATION

Wanchese, NC

CLIENT

Wanchese Seafood Industrial Park Authority
North Carolina Department of Commerce

PROJECT PERIOD

August 2004 - August 2007

TEAMING FIRMS INVOLVEMENT

Moffatt Nichol [Sub Consultant]

FIRM CONTRACT

\$1.6 Million

REFERENCE

Bob Peele, Director
Wanchese Seafood Industrial Park Authority
North Carolina Department of Commerce
615 Harbor Rd
Wanchese, NC 27981
bpeele@nccommerce.com
252.475.1414

Moffatt & Nichol provided engineering services to the North Carolina Department of Commerce for the rehabilitation of waterfront structures at the Wanchese Seafood Industrial Park. Project scope included development of rehabilitation plan and design alternatives with probable cost estimates, permit assistance, final design, construction document preparation, and bid phase and construction phase services.

The project involved topside and underwater inspection and assessment of the site, replacement of existing timber dock with a new 28-foot long by 18-foot wide timber dock, removal and reuse of riprap slope protection, retrofit of an existing timber pier, installation of 515 linear feet of sheetpile and king pile bulkhead wall with concrete cap, and construction of a vessel landing ramp (76 feet long by 30 feet wide).

LandDesign

RALEIGH, NC

510 Glenwood Avenue
Suite 317
Raleigh, NC 27603
919.838.9331

CHARLOTTE, NC

223 North Graham Street
Charlotte, NC 28202
704.333.0325

WASHINGTON, DC

200 South Peyton Street
Alexandria, VA 22314
703.549.7784

DALLAS, TX

222 West Las Colinas Boulevard
Suite 1650
Irving, TX 7503
214.785.6009

LandDesign offers award winning urban design, planning, branding, civil engineering and landscape architecture solutions to public and private sector clients across the globe. With offices across the United States, the LandDesign team effectively brings innovative, buildable, sustainable and ecologically responsible projects to life worldwide.

35 years. Unprecedented talent. Superior solutions.

www.LandDesign.com

**Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET**

Meeting Date: September 3, 2013
Presenter: Clint Berry
Attachment: Yes – Letter from Attorney Holscher

ITEM TITLE: LAKEVIEW ROAD – REQUEST FOR PAVING

SUMMARY: Residents of the Lakeview Road community are requesting assistance from the Hyde County Board of Commissioners to have Lakeview Road paved.

At the August 5, 2013 regular meeting, the Board moved to table any recommendations and to have the costs of assessment and paving be reported on at the September meeting. Clint Berry, Public Utilities Director will report on that information.

RECOMMEND: Discussion and approval.

Motion Made By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Motion Seconded By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Vote: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

RODMAN, HOLSCHER, PECK, & EDWARDS, P.A.

ATTORNEYS AT LAW
320 North Market Street
Post Office Box 1747
WASHINGTON, NORTH CAROLINA 27889

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R. Brantley Peck, Jr.
Franz F. Holscher
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Telephone (252) 946-3122
Fax (252) 946-3125

Edward N. Rodman – (1926-2008)

Frederick N. Holscher, Attorney at Law
direct e-mail: fnh@rhpe.net

August 13, 2013

Mr. Bill Rich, County Manager
County of Hyde
PO Box 188
Swan Quarter, NC 27885

Re: Lake View Road
Our File No.: 13-85-21568

Dear Bill:

In connection with the above, it is my understanding that Commissioner Fletcher tasked us with investigation into the Lake View Road. In that regard, I have had the opportunity to review several documents and also to talk with Steve Gruninger of First South Bank.

You may or may not recall that some time ago when the Lake View Subdivision was created the subdivision road was nothing more than a sloppy dirt road which turned into a mudhole once it rained. Several of the homeowners in this subdivision defaulted on loan payments and the property was foreclosed. First South Bank in Washington ended up with a significant number of these properties.

First South Bank hired Wilson Daughtry with Alligator River Growers to “grade and rock” this road. In that regard, the Bank spent \$34,000.00+- to get the road in the condition it is in today.

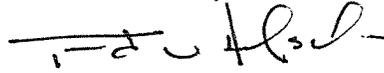
An Amendment to Declaration of Protective Covenants and Undertaking to Maintain Road Lake Landing, Hyde County, N.C. was filed in Book 245, Page 663, Hyde County Registry. I am attaching a copy of this for your review. As you can see, First South Bank now has the authority to collect assessments to improve the road. At present, the assessment has been \$100.00 per year and according to Steve Gruninger the Bank has yet to get all of the owners to participate.

Finally, at the time the Bank did the original road improvements, the Bank received a proposal from Barnhill Contracting Company to construct the road to State specifications so that the State would take the same over. That estimate in 2010 was \$247,076.00. Hopefully that amount would be less today because of the improvements which have been made to the road. However, it would still cost a significant amount of money to raise the level of the road to a place wherein the State would take the same over. I do not believe the residents in this subdivision have the financial wherewithal to make this happen. If the County decided to do this on its own, in my opinion it would take a long time for the County to be reimbursed and in fact the County may never receive all of its money.

Once you have had the opportunity to review this I will be glad to discuss the same with you and you may want to provide Commissioner Fletcher with a copy.

Yours very truly,

RODMAN. HOLSCHER, PECK
& EDWARDS, P.A.

A handwritten signature in black ink, appearing to read "F. N. Holscher", written over a horizontal line.

Frederick N. Holscher

FNH:hw
Enclosure

Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET

Meeting Date: September 3, 2013
Presenter: Corrinne Gibbs
Attachment: Yes – List of Outstanding Checks

ITEM TITLE: OUTSTANDING CHECKS UPDATE

SUMMARY: At the August 5, 2013 regular meeting of the Board of Commissioners, Commissioner Fletcher questioned outstanding checks on the books that have not been cashed. Corrinne Gibbs, Finance Director will report on this issue.

RECOMMEND: Discussion.

Motion Made By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Motion Seconded By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Vote: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

HYDE COUNTY
BANK RECONCILIATION
OUTSTANDING CHECKS

Check #	Amount	Payee	Date Written
72961	75.00	NC DEPT OF ADMIN	1/25/2007
73168	22.14	JOEL GRAY	2/8/2007
75053	54.55	OCRA VARIETY STORE	6/29/2007
75091	10.00	NIKKI MAYO	6/29/2007
75120	242.83	OCRA VARIETY STORE	6/29/2007
76034	87.02	OCRA VARIETY STORE	6/29/2007
78442	30.00	DAVID KIEFFER	2/21/2008
79773	67.10	EMBARQ	5/29/2008
80129	228.95	OPTIONAL DOMESTIC	6/9/2008
80384	4.80	MARSHALL, BRANDON	7/1/2008
82821	250.00	GIBSON, APRIL	12/5/2008
85794	4.04	SPRING, ALEX K	7/10/2009
87326	10.55	MARSHALL, BRANDON	10/29/2009
88684	349.80	GALLOGHER BASSET EXPLORATION	1/29/2010
90157	173.00	BEASLEY, RANU	5/7/2010
90467	38.65	SWINDELL, MATTHEW SHANNON	5/27/2010
93107	150.00	HAMPSON, EDYTHE J	12/10/2010
94534	18.00	SANTIAGO, ALEX RODRIGUEZ	3/31/2011
	1,816.43	TOTAL THIS PAGE	
95401	22.96	HYDE COUNTY EMS	6/9/2011
95967	2.90	LOFTUS, THOMAS	7/15/2011
95974	1.30	DANIELS, CHARLES JASON	7/15/2011
95977	1.30	NOBLE, KRIS	7/15/2011
95993	4.20	SAWYER, DEBORAH	7/15/2011
95998	1.00	WATSON JR, SAMUEL E	7/15/2011
96002	1.30	SMITH, JOSEPH D	7/15/2011
96004	0.90	CARAWAN, SHELLY	7/15/2011
96010	1.00	DAYE, DAVID	7/15/2011
96012	1.30	WILSON, ANNA	7/15/2011
96016	0.90	ORTEGA, GENA	7/15/2011
96017	1.30	ONEAL PIERRE	7/15/2011
96018	1.90	MUTRO, ANTHONY	7/15/2011
96020	2.90	HOCUTT, WILLIAM	7/15/2011
96021	1.00	GODLEY, CHRISTOPHER	7/15/2011
96023	1.30	CARTER, BIAN	7/15/2011
96025	0.90	BOYD, COLEMAN	7/15/2011
96028	1.00	SPENCER, WILLIAM	7/15/2011
96075	82.03	CONSOLIDATED PIPE & SUPPLY COMP	7/20/2011
96823	38.35	OCRACOCKE VARIETY STORE	9/15/2011
97775	21.32	ANDREWS, JEREMY	11/18/2011
98236	92.55	GIBBS, LUANA C	12/21/2011
98876	12.50	GREATER HYDE CO CHAMBER	2/9/2012
99369	32.00	CENTURYLINK	3/15/2012
99371	1.40	GARRISH, RENA G	3/15/2012
99378	11.13	POORE, HENRY	3/15/2012
99391	1.40	MILLER, BYRON	3/15/2012
99397	1.40	MASON, JENNIFER	3/15/2012
99417	56.00	GARST, FRED	3/15/2012
99429	1.40	STANFIELD, MYRES TILGHMAN	3/15/2012
99446	1.40	WALTERS, JEFFREY	3/15/2012
99451	2.80	SUNSPACE TRANSFORMATION	3/15/2012
99459	181.89	SMITH, VIRGINIA & TRACEY	3/15/2012
99477	56.00	RINALDI, JOHN & ELIZABETH	3/15/2012
99485	2.80	BARKSDALE, SUSAN E	3/15/2012

**Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET**

Meeting Date: September 3, 2013
Presenter: Manager Bill Rich
Attachment: No

ITEM TITLE: REQUEST TO WAIVE BUILDING PERMIT FEES FOR
OCRACOKE COMMUNITY PARK

SUMMARY: The committee in charge of building the Ocracoke Community Park and Ball Field have requested a waiver of building permit fees as this is a non-profit construction project.

RECOMMEND: Discussion and approval.

Motion Made By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Motion Seconded By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Vote: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET

Meeting Date: September 3, 2013
Presenter: Chairman Swindell
Attachment: Yes

ITEM TITLE: BUDGET MATTERS

SUMMARY: One departmental budget revision requires Board approval.

RECOMMEND: Discuss and approve.

Motion Made By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Motion Seconded By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Vote: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

**HYDE COUNTY BOARD OF COMMISSIONERS
2012 2013 BUDGET REVISIONS**

**MEETING DATE
9/3/2013**

(FO USE)				"+" EXP BUDGET	"-" EXP BUDGET	
BR#	IDT#	DEPARTMENT	ACCOUNT #	LINE ITEM ACCOUNT NAME / EXPLANATION	"-" REV BUDGET	"+" REV BUDGET
		ADMIN	10.3990.0000	FUND BALANCE APPROPRIATED	DEBIT	CREDIT
			10.6810.0920	SCHOOL APPROPRIATION	\$ 48,000.00	\$ 48,000.00
					\$ 48,000.00	\$ 48,000.00
				ADDITIONAL FUNDING TO THE BOARD OF EDUCATION FOR LOW WEALTH FUNDING AND PRE-K PROGRAMS		
				DOES INCREASE BUDGET		
						\$ -

REQUESTED BY _____ DATE ____ / ____ / ____

(SIGNATURE)

APPROVED BY _____

(CO MGR)

(BD CHAIR)

(CLERK)

APPROVAL DATE ____ / ____ / ____

ENTERED IN SYSTEM _____ DATE ____ / ____ / ____

(FINANCE OFFICER)

HYDE COUNTY BOARD OF COMMISSIONERS
2013/2014 BUDGET REVISIONS

MEETING DATE 9/2/2013					
(FO USE) BR # OR IDT#	DEPARTMENT	ACCOUNT #	LINE ITEM ACCOUNT NAME / EXPLANATION	+" EXP BUDGET	-" EXP BUDGET
				-" REV BUDGET	+" REV BUDGET
				DEBIT	CREDIT
02-14	Home Health	50-5800.7400	Equipment	\$ 725.00	
	"	50-5800.1610	Computer Support Maintenance		\$ 325.00
	"	50-5800.7503	Computer Program Update		\$ 400.00
				\$ 725.00	\$ 725.00
<p style="text-align: center;">Transfer of funds from Computer Support Maintenance and Computer Program Update lines into Equipment line in Home Health to replace a laptop computer being used by one of our Nurses. The old computer has suffered a hard disk failure, and the estimated cost to repair it is approximately 1/2 the cost to replace it with a new computer. At the recommendation of our IT Support Group, the decision has been made to purchase a new computer due to of the age of the old one. This revision DOES NOT increase the budget for Home Health.</p>					

REQUESTED _____ DATE _____

APPROVED... CO MANAGER CO COMMISSIONER-CHAIR CLERK TO THE BOARD

ENTERED LEDGER/DATE _____

**HYDE COUNTY BOARD OF COMMISSIONERS
2012 2013 BUDGET REVISIONS**

**MEETING DATE
9/3/2013**

(FO USE)					"+" EXP BUDGET	"-" EXP BUDGET
BR#	IDT#	DEPARTMENT	ACCOUNT #	LINE ITEM ACCOUNT NAME / EXPLANATION	"-" REV BUDGET	"+" REV BUDGET
				DEBIT	CREDIT	
		SOLID WASTE	105750.2020	SOLID WASTE PART-TIME		\$ 200.00
			105750.0220	SOLID WASTE OVERTIME	\$ 200.00	
					\$ 200.00	\$ 200.00
				MONIES TRANSFERRED FOR UNEXPECTED OVERTIME		
				DOES NOT INCREASE BUDGET		
						\$ -

REQUESTED BY _____ DATE ____ / ____ / ____
(SIGNATURE)

APPROVED BY _____
(CO MGR) (BD CHAIR) (CLERK)

APPROVAL DATE ____ / ____ / ____

ENTERED IN SYSTEM _____ DATE ____ / ____ / ____
(FINANCE OFFICER)

Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET

Meeting Date: September 3, 2013
Presenter: Board of Commissioners

ITEM TITLE: CLOSED SESSION

SUMMARY: The County Manager may request entering Closed Session in accordance with **NCGS143A-318.11 (a)**

- 1) To prevent the disclosure of information that is privileged or confidential pursuant to the law.
- 2) To prevent the premature disclosure of an honorary award.
- 3) To consult with an attorney employed or retained by the public body in order to preserve the attorney-client privilege.
- 4) To discuss matters relating to the location or expansion of industries or other businesses.
- 5) To establish or instruct the public body's staff or agent in negotiating the price or terms of a contract for the acquisition of real property by purchase; or compensation and terms of an employment contract.
- 6) To consider the qualifications, competence, performance, character, fitness, conditions of appointment, or conditions of initial employment of an individual public officer or employee or prospective public officer or employee.
- 7) To plan, conduct, or hear reports concerning investigations of alleged criminal misconduct.
- 8) To formulate plans by a local board of education relating to emergency response to incidents of school violence.
- 9) To discuss and take action regarding plans to protect public safety.

RECOMMEND: Enter into Closed Session if required.

Motion Made By: ___ Barry Swindell
(Enter) ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

Motion Seconded By: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

Vote: ___ Barry Swindell
 ___ Dick Tunnell
 ___ Anson Byrd
 ___ John Fletcher
 ___ Earl Pugh, Jr.

**Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET**

Meeting Date: September 3, 2013
Presenter: Chairman, Vice-Chair, Commissioners and Manager
Attachment: Yes

ITEM TITLE: MANAGEMENT REPORTS

SUMMARY: This is a time for each Commissioner to give reports on their work representing the County.

Additionally, Commissioners may wish to bring up issues they wish to have followed up by the Board or by the County Manager.

The County Manager will give an oral update on various projects and other administrative matters.

PROJECTS:

- ECB Building – Survey, Furniture Removal, Closing Status
- ECB Financing
- FEMA Update
- ABC Board Member Terms
- Public Safety Center & Government Center Repairs
- Scenic Byways Grant Request
- Albemarle RPO / Ferry Tolls

RECOMMEND: Receive reports. Discussion and possible action as necessary.

Motion Made By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Motion Seconded By: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Vote: Barry Swindell
 Dick Tunnell
 Anson Byrd
 John Fletcher
 Earl Pugh, Jr.

Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET

Meeting Date: September 3, 2013
Presenter: Citizens
Attachment: No

ITEM TITLE: PUBLIC COMMENTS

SUMMARY: The public is invited to use this time to make comments to the County Commissioners on items discussed during this meeting and/or matters not discussed earlier in the meeting.

RECOMMEND: Receive comments.

Hyde County Board of Commissioners
AGENDA ITEM SUMMARY SHEET

Meeting Date: September 3, 2013
Attachments: Yes

ITEM TITLE: SUPPLEMENTAL INFORMATION

Department Reports

- 1) Tax Department (signature required)
- 2) Health Department / Animal Control\
- 3) Code Enforcement / Inspections

Informational Items

- 1) News Articles – Carteret County BOC Opposition of Loggerhead Habitat Designation
- 2) Letter from NC Dept. of Commerce Division of Community Assistance – 2012 Audit Review Regarding Missing Revenues and Expenditures for CDBG-SBEA 09-C-2036

Department Reports

**NORTH CAROLINA
HYDE COUNTY
HYDE COUNTY BOARD OF COMMISSIONERS**

From: Linda M. Basnight Tax Administrator

This is to report all tax collections by the Hyde County Tax Office Employees during the month of July, 2013.

CURRENT TAX

DEPOSITS	COUNTY WIDE	MOSQUITO TAX	SOLID WASTE	WEST QUARTER	INTEREST
\$0.00	\$0.00	\$0.00	\$0.00 Res \$0.00 Comm	\$0.00	\$0.00

2012 SQWS
\$ -

CURRENT DMV

DEPOSITS	COUNTY WIDE	MOSQUITO TAX	INTEREST
\$4,170.26	\$4,145.26	\$25.00	\$0.00

DELIQUENT DMV

2012	COUNTY WIDE	\$11,113.58
	MOSQUITO	\$46.07
2011	COUNTY WIDE	\$191.21
	MOSQUITO	\$0.58
2010	COUNTY WIDE	\$70.72
	MOSQUITO	\$2.00
2009	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
2008	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
2007	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
		\$0.00
2006	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
2005	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
2004	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
2003	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
2002	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
2001	COUNTY WIDE	\$0.00
	MOSQUITO	\$0.00
		\$0.00
		\$346.93
INTEREST		\$0.00
STATE 60%		\$0.00
		<u>\$11,771.09</u>

DELIQUENT TAX

2012	\$22,586.55
2011	\$3,134.01
2010	\$1,671.31
2009	\$6,337.66
2008	\$1,030.35
2007	\$672.98
2006	\$1,179.50
2005	\$308.58
2004	\$338.08
2003	\$302.10
2002	\$153.51
2001	\$22.06
SQWS	\$0.00
MOSQUITO TAX	\$297.55
SOLID WASTE RES	\$255.12
SOLID WASTE COMM	\$0.00
INTEREST	\$8,622.04
WEST/QUARTER	\$0.00
LEGAL FEES	
	<u>\$46,911.40</u>

2013 PREPAYEMTNS

Gouyer, Pamela	200655	\$250.00
Mathews, Marlene	200576	\$2,500.00
Gouyer, Pamela	200655	\$250.00

\$3,000.00

OVERPAYMENT

\$0.00

Respectfully Submitted

August 5 2013

Linda M Basnight
Tax Administrator

Chairman of Commissioners

**Hyde County Health Department
Fiscal Year 2013-2014
Monthly Summary Report – July 2013**

Clinic Nursing Services:

<u>Program Services Provided</u>	<u>Current Month</u>	<u>Year-to-Date</u>
Family Planning Clients	16	16
Maternal Health Clients	11	11
Adult Health Clients (Wellness)	3	3
Adult Health Telemedicine (Primary Care)	14	14
BCCCP Clients	7	7
Immunizations	13	13
STD Treatments	3	3
Communicable Disease Cases	0	0
TB Treatments (Latent)	1	1
WIC – Mainland		
• Certifications	10	10
• Mid-Certification Assessments	13	13
• Pick-ups	22	22
• Vendor Trainings	2	2
WIC – Ocracoke (Quarterly)		
• Certifications	0	0
• Mid-Certification Assessments	0	0
• Pick-ups	0	0
• Vendor Trainings	0	0
Pregnancy Care Management		
• Case Load	6	6
• Contacts	13	13
• Attempts (No Contact)	6	6
Care Coordination for Children		
• Case Load	3	3
• Contacts	3	3
• Attempts	1	1
Seasonal Flu Shots/Flu Mists		
• Adults	0	0
• Children	0	0

Medication Assistance Program:

New Patients Enrolled	4	4
Patients Served	26	26
New Requests	3	3
Reorder Requests	21	21
Medications Requested	23	23
Medications Received	21	21
Medications Delivered	21	21

Environmental Health Services:

Food and Lodging:

• F&L Inspections	15	15
• F&L Visits	15	15
• F&L Pre-Opening Visits	1	1
• F&L Permits Issued	2	2
• F&L Complaint Investigations	1	1
• F&L Consults	21	21
• General Sanitation	7	7
• Vector Control	1	1
• Animal Control	2	2

On-Site Wastewater:

• Sites Visited/Evaluated	22	22
• Improvement Permits Issued	12	12
• Construction Authorizations	16	16
• Consultative Contacts	73	84
• Operation Permits Issued	6	6

On-Site Well:

• Grouting Inspection	1	1
• Well Site Consultative Visits	1	1
• Bacteriological Samples Collected	3	3
• Other Sample Collected	2	2
• Well Consultative Contacts	9	9

Hydeland Home Care Agency:

Patients Served

• Home Health Medicare	6	6
• Home Health Medicaid	31	31
• Home Health Private	2	2
• Community Alternative Program (CAP)	6	6
• Homemaker	10	10
• Project Care	1	1

Admissions

• Home Health Medicare	4	4
• Home Health Medicaid	2	2
• Home Health Private	2	2

Discharges

• Home Health Medicare	3	3
------------------------	---	---

Referrals

• Home Health Medicare	6	6
• Home Health Medicaid	2	2
• Home Health Private	3	3

Healthy Education:

Healthy Communities/Health Education/Promotion

- Recreation Commission Meeting cancelled - next meeting scheduled for August 21st
- Healthy Communities Fruit and Vegetable Outlet Inventory - update due August 30th
- Eat Smart Move More Billboard placed on Highway 264

Hyde Partners for Health

- 2014 Community Health Assessment Leadership Planning Team – next meeting is August 1st
- Project Direct Legacy for Men and Their Families met July 18th - Chronic Disease Task Force to meet at same time
- Tobacco Substance & Alcohol Abuse (TSA) Task Force – next meeting is September 16th
- Local Physical Activity Nutrition (LPAN) met July 24th – new members include the county manager and 21st Century Learning Grant Coordinator – meetings to be held Bi-Monthly

Change for Good (KBR & CTG/P)

- Draft for new KBR grant provided to KBR regional consultant for February 2013 Grant Cycle
- Joint Use Agreement between Hyde County and Hyde Schools finalized
- ECU collaborating partner (Dr. Clif Watts) being recognized in ECU College of Health and Human Performance Alumni Magazine for his work with KBR project and 21st Century Learning Grant
- ESMMWL online process design created - to promote with providers by August 6th for physician order for September classes

**Hyde County Health Department
Animal Control Report
July 2013**

Total **Documented** Calls/Requests for Assistance - **2**

Breakdown of Calls by Type:

- Bite – 2
- Vicious/Dangerous – 0
- Rabies – 0

Detail of Calls by Type:

- **Bite (2)**
 - Received call from Hyde County Sheriff's Department about dog bite in the Ponzer community; nine (9) year old child bit on the leg by one of her family's dogs while attempting to break up a fight between their dogs and two other dogs they were kenneling; child treated at Washington County Hospital; Animal Control Officer II dispatched (twice) to determine which dog had bit the child; dog returned to Hyde County Animal Shelter for 10-day quarantine
 - Received call from resident in Scranton community; 16 month old baby bit on left forearm while trying to pat her family dog; baby treated at Hyde County Health Department; Animal Control Officer II dispatched to pick up dog for 10-day quarantine at Hyde County Animal Shelter
- **Vicious/Dangerous (0)**
- **Rabies (0):**

Report Compiled and Authorized by:

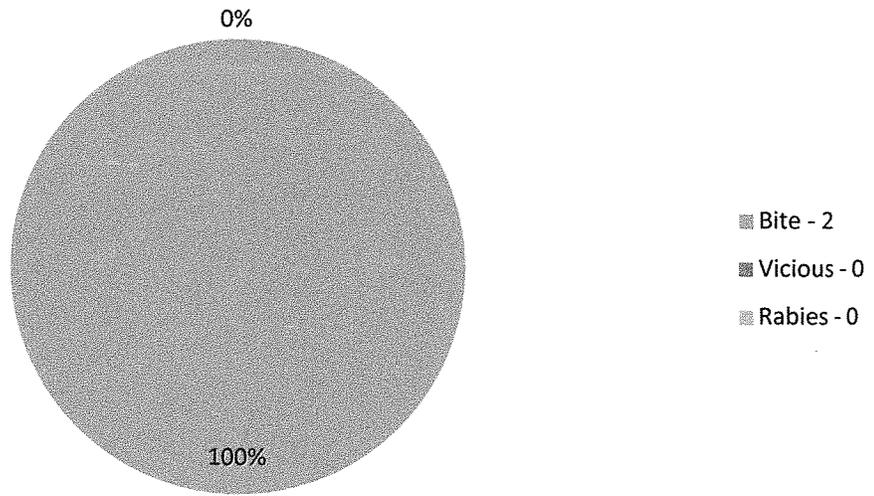
Wesley P. Smith

August 1, 2013

Wesley P. Smith, Health Director

Date

Animal Control Incidents - August 2013



	2012 Totals		2013 Totals	
	Mainland	Ocracoke	Mainland	Ocracoke
Code Enforcement				
No. Permit Applications				
Residential:	1	1	0	0
Commercial:	0	0	0	0
Other:	13	6	18	7
No. Permits Issued				
Residential:	1	1	0	0
Commercial:	0	0	0	0
Other:	13	6	18	7

	Mainland		Ocracoke	
	Mainland	Ocracoke	Mainland	Ocracoke
Inspections				
Site Visits	8	3	20	4
Investigations	1	0	0	0
Call Returned	57	0	0	0
Inspections	31	24	34	11
Conferences	1	2	0	6
ODO/Plan Reviews	1	0	3	3
School	2		2 days	
ODO Meeting		1		1

Moved back to courthouse

Miles Driven:

Fees Collected from January 2013 to December 2013	\$ 16,448.81	January 2012 to December 2012	\$ 33,928.86
Fees Collected since July 1, 2013	\$ 3,152.84		
Fees Collected this Month	\$ 3,152.84		

	July 01, 2013 to December 31, 2013	County Projection for 2012/2013	July 1, 2011 to June 30, 2012	July 1, 2012 to June 30, 2012
Building Permit Fees Collected	\$ 1,208.34	New Residential/Commercial Construction	\$ 18,106.01	\$ 12,109.51
Inspection Fees Collected	\$ 1,435.00	Renovations, Docks, Bulkhead, etc	\$ 19,801.94	\$ 10,457.12
Penalties Collected	\$ -	Electrical, HVAC, Plumbing, Insulation	\$ 350.00	\$ 1,050.00

Fees Collected from January 2013 to December 2013	\$ 16,448.81	January 2012 to December 2012	\$ 33,928.86
Fees Collected since July 1, 2013	\$ 3,152.84		
Fees Collected this Month	\$ 3,152.84		

Informational Items

Carteret threatens legal action over loggerhead habitat designation

By Jannette Pippin

Jacksonville Daily News

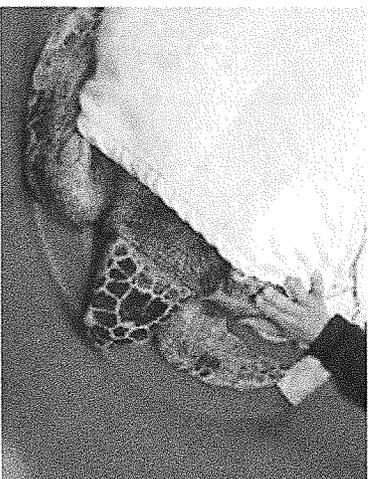
Published: Wednesday, August 21, 2013 at 11:12 a.m.

Carteret County Commissioners are taking a stand against proposed federal rules they say would be costly and unnecessary regulation and cross a line in efforts to protect loggerhead sea turtles.

"There needs to be an end," said Commissioner Robin Comer during Monday night's meeting of the Board of Commissioners, where two actions were taken in opposition to proposed critical habitat designations.

The board approved a notice of intent to sue the U.S. Fish and Wildlife Service if it designates critical habitat for the loggerhead sea turtle along Bogue Banks as currently proposed. The proposal would designate 739 miles of oceanfront beaches along the coast of six states, including 96 miles in North Carolina, as critical habitat for nesting loggerhead sea turtles.

Commissioners took action after a presentation by Carteret County Shore Protection Manager Greg "Rudi" Rudolph, who noted flaws in an economic analysis and said the nesting density data do not support designation of critical habitat for any North



Carolina beaches.

Since 1996, Bogue Banks has had an average loggerhead nesting density of 1.25 nests per mile and registered a 1.6 density in 2012 compared to nesting densities of 24.8, 24 and 120 for South Carolina, Georgia and Florida.

"We support the conservation and recovery of the loggerhead sea turtle; however, we do not believe that the designation of critical habitat for Bogue Banks supports this goal. We are determined to do whatever is necessary to protect our economy and successful beach management program," board Chairman Greg Lewis said.

Carteret County previously stated its opposition to the "on-land" designation, particularly for Bogue Banks, in a resolution and during comments during a recent public hearing before the Fish and Wildlife Service. With a related proposal now out for a marine, or "in the water," designation of critical habitat, the county is now also taking aim at the National Marine Fisheries Service.

The board adopted a resolution opposing the NMFS proposal.

Commissioner Jonathan Robinson, a commercial fisherman, made clear his concern that the proposed designation is not based on science.

He made a motion to amend the resolution to note that there is no current stock assessment of the loggerhead sea turtle.

"The designation of critical habitat 35 years after the listing of the loggerhead sea turtle (as threatened) is the wrong management tool for the conservation of the species, and Carteret County will continue to support the protection and recovery of the loggerhead sea turtle by utilizing effective management guidelines, but will oppose designating any new areas as critical habitat and will oppose new restrictions on commercial and recreational fishing until a stock assessment is conducted by an independent entity," the resolution states.

Commissioners stressed that Carteret County is "turtle friendly" with beaches that

serve as turtle sanctuaries and volunteer groups that take extensive steps to protect sea turtle nests and hatchlings. There are also extensive measures already in place to protect the turtles, from timing constraints and proactive measures taken during dredging and by fishermen to avoid interactions with sea turtles.

The measures and requirements in place are effective and can already be costly, commissioners said.

The critical habitat designations are not necessary and would mean another layer of regulation, they said.

The resolution on the proposed marine critical habitat says the designation would impact coastal projects involving federal action, such as coastal and inlet management activities, dredging, beach nourishment. It could also impact commercial and recreational fishing, possibly resulting in gear modifications or bans, constraints on fishing seasons and vessel speed restrictions.

While the possible impact on beach nourishment is only one aspect of concern, Commissioner Elaine Crittenton questioned the impact on turtle nesting if beaches can't be maintained.

"If we're not able to renourish our beach, what happens then?" she asked. "Where do the turtles nest if we have no beach?"

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County ready for legal fight

MARK HIBBS | Posted: Wednesday, August 21, 2013 12:00 pm

BEAUFORT — County commissioners agreed Monday to fight federal efforts to protect sea turtle nesting areas, saying the proposed critical habitat designation would not only jeopardize the local economy but also put in peril protections already in place.

The county board voted unanimously to approve a resolution opposing the designation of critical habitats for loggerhead sea turtles by the National Marine Fisheries Service and the U.S. Fish and Wildlife Service. Commissioners also approved in a separate unanimous vote a notice of intent to sue related to the proposed designation.

The actions came during the board's monthly meeting in the county administration building.

Commissioners agreed the designation was unwarranted and a threat to tourism, harbor and inlet maintenance, port operations, building codes, public access and uses of beaches and waterways and fishing — both commercial and recreational. Commissioners said the designation could also affect programs in place to protect turtle nests and habitats, including those overseen by the N.C. Aquariums and protections built into coastal- and inlet-management programs such as beach nourishment and dredging.

“The list of possible impacts is endless,” County Shore Protection Officer Greg “Rudi” Rudolph told the board during a PowerPoint presentation on the proposal.

The board also agreed to toughen the language in the proposed resolution on the recommendation of Commissioner Jonathan Robinson, who said the National Marine Fisheries Service and its regulations had been “destroying fishing families” for decades.

“I come from a world that has been devastated by such actions,” Commissioner Robinson said.

He said the federal regulators had yet to define a goal of the proposed designations — both landside and oceanside — which would impact an area of Southeast coastline that encompasses 96 miles of N.C. beaches south of Cape Lookout, including all of Bogue Banks, and vast areas of state and federal waters off the coast.

“To what end are all these measures to protect these turtles?” Mr. Robinson asked. “The National Marine Fisheries Service has never done a stock assessment on sea turtles. They don’t have a number.”

He said all other marine species are managed based on some sort of scientific assessment. The same should hold true for sea turtles,

Mr. Robinson said.

“We want to know the science behind it,” Mr. Robinson said.

Loggerheads were first designated as threatened – but not endangered – in 1978. Endangered means the species is on the brink of extinction. Threatened means a species is likely to be at the brink in the near future.

Mr. Rudolph said there had been no change in the threatened status since 1978.

He said Bogue Banks has few turtle nests but the area was included because it is adjacent to Bear Island, which is considered a high-density turtle nesting area.

The federal management plan consists of two parts. The U.S. Fish and Wildlife Service would regulate the “on the land” component. It would impact 739 miles of beaches in North Carolina, South Carolina, Georgia, Florida, Alabama and Mississippi.

The beaches account for 48 percent of an estimated 1,531 miles of coastal beach shoreline that were evaluated, and account for about 84 percent of the documented numbers of nests within these six states, Mr. Rudolph said.

In addition to Carteret, proposed critical habitat is located in Brunswick, New Hanover, Onslow and Pender counties.

NMFS would regulate the “in the water” component, which would include 36 northwest Atlantic Ocean marine areas as critical habitat, extending from Mississippi northwards around the Florida peninsula to the North Carolina Outer Banks.

The designation would include up to six different habitats – the near-shore reproductive habitat; wintering habitat; breeding habitat; constricted migratory corridors and possibly foraging habitats and sargassum habitats.

The proposed designation does not establish a preserve or refuge but would apply at some point in the future if federal action is required.

The proposed designation is in response to multiple legal actions filed by non-governmental organizations, such as the Center for Biological Diversity, the Turtle Island Restoration Network and Oceana.

Oceana says its mission is “protecting the world’s oceans.” Amanda Keledjian is a marine scientist with the organization.

“This designation is important and has significant conservation benefits,” she said Tuesday in an email response to a News-Times call for comment. “Endangered and threatened species populations are twice as likely to show signs of recovery when critical habitat

protections are in place. The federal government is required to make these designations using the best available information, and they have done so.”

She said the proposal was based on years of data collection that indicate the locations of the highest density of nesting beaches. In some cases, areas proposed with lower nest density were considered “critical to bolstering the resilience” of turtle populations in light of future climate change impacts.

“This designation is required by law and does not unduly interfere with coastal development or harm coastal economies,” she said. “A critical habitat designation does not prohibit coastal development projects, but instead ensures that any potential negative impacts are minimized and that mitigation measures are in place where impacts are unavoidable. This critical habitat designation will certainly not change public access and enjoyment of our coastal waters.”

She said the economic analysis conducted by both agencies indicates that the economic impacts of these terrestrial and aquatic designations are minimal.

But commissioners said the science is lacking.

Mr. Robinson said the resolution as originally proposed for the board’s consideration was “weak.” He suggested changing the document to note there is no current stock assessment of loggerhead turtles and to reflect opposition not just to the proposed designation but also to any new regulations until a stock assessment has been conducted by an independent entity.

He said other county organizations, such as the Tourism Development Authority, should adopt similar measures.

The county and the Atlantic Beach town board had already approved resolutions opposing the “on the land” designation, but the National Marine Fisheries Service proposal was only introduced July 18.

Indian Beach town commissioners last week approved a resolution opposing the NMFSS designation. Other towns are expected to follow.

And the Carteret County Chamber of Commerce also recently passed a similar resolution opposing the designation.

County commissioners and others said the proposed designation will inevitably lead to further restrictions on land use and use of public waterways and beaches, which are vital to the county’s economy.

Commissioner Jimmy Farrington said Dare County officials have grappled with myriad problems related to a designation to protect

piping plover shore birds that has had “a huge effect” on the entire Outer Banks. The turtle designation could have similar results here, he said.

“What if they come and say you can’t use the beach? They are trying to pit us against the sea turtle,” Mr. Farrington said. “We have turtle sanctuaries in most of the towns on the beach. We are having something forced down our throats and we are trying to be smart in development.”

Chairman Greg Lewis said the unknown and potential impacts are a big concern, “not just for beach owners but for all property owners in the county.”

Mr. Lewis said the “intent to sue” document approved by the board did not indicate the county was filing immediate action with the court but was instead a “first step” to ensure the county has “a seat at the table” in negotiations with federal regulators.

Mr. Rudolph said the county has an “incredible” network of volunteers and organizations that work to protect turtles and their nests. He said the existing “windows” for dredging and nourishment projects and protections in place even when such projects are allowed have been effective.

“I don’t know how much more turtle-friendly Carteret County can be,” he said.

He said beach nourishment is a necessary “fact of life” following hurricanes, which often cause significant erosion.

“After a storm we have to renourish,” Mr. Rudolph said.

Contact Mark Hibbs at 252-726-7081, ext. 229; email mark@thenewstimes.com; or follow on Twitter [@markhibbs](https://twitter.com/markhibbs).



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N.C. county to sue if loggerhead designation stands

BEAUFORT, N.C.

The Carteret County commissioners have authorized a lawsuit if a U.S. Fish and Wildlife Service proposal designating crucial loggerhead habitat on Bouge Banks is approved.

The federal agency has proposed designating almost 750 miles of beaches from North Carolina to Mississippi as critical habitat for the endangered sea turtles.

The Daily News of Jacksonville [reports](#) [1] commissioners approved a notice of intent to sue after a presentation that nesting density data does not support designating critical habitat for any of the 96 miles of North Carolina beaches in the proposal.

Opponents of the designation have said they are in favor of protecting the turtles but the designations could hurt the ability of communities to rebuild their beaches because renourishment could not be done during turtle nesting season.

Source URL (retrieved on 08/22/2013 - 15:12): <http://hamptonroads.com/2013/08/nc-county-sue-if-loggerhead-designation-stands>

Links:

[1] <http://bit.ly/13QZ7JJ>



North Carolina
Department of Commerce
Community Assistance
Community Development & Planning Division

Pat McCrory, Governor

Sharon Allred Decker, Secretary
Richard B. Self, Director

August 20, 2013

The Honorable Barry Swindell, Chair
Hyde County Board of Commissioners
Post Office Box 188
Swan Quarter, North Carolina 27885

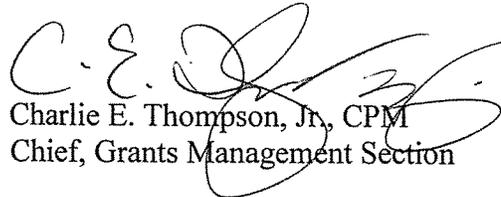
Subject: 2012 Audit Review
CDBG Number: 09-C-2036

Dear Chair Swindell:

Community Assistance (CA) has reviewed the County's 2012 Audit Report for fiscal year ending June 30, 2012. The project authorization of 245,000 along with revenues and expenditures did not appear to be located in the audit. **Please submit a schedule with the project authorization of funds, revenues and expenditures for the above referenced grant by September 6, 2013.**

If the County requires grant assistance, please contact Vanessa A. Blanchard at (919) 571-4900 extension 225 or email yblanchard@nccommerce.com.

Sincerely,


Charlie E. Thompson, Jr., CPM
Chief, Grants Management Section

CETJ/VAB

Cc: Mr. Bill Rich, County Manager
Ms. Kris C. Noble, County Planner
Mr. Reed Whitesell, Holland Consulting Planners

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