

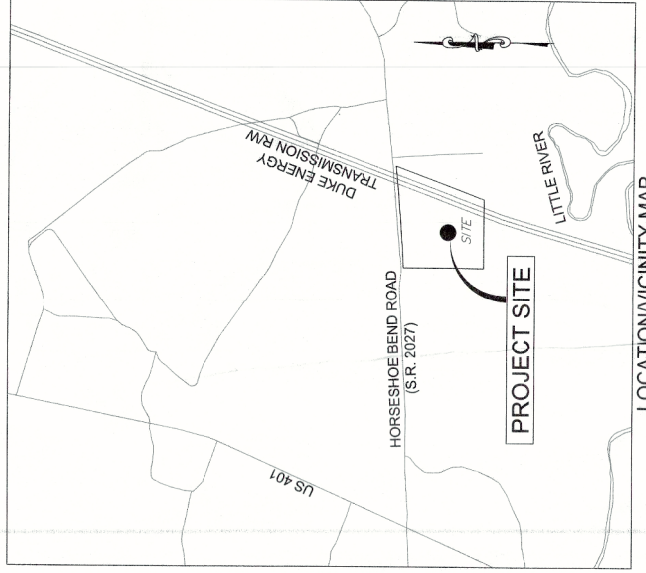
# DUKE ENERGY®

## PROGRESS

Duke Energy Progress, LLC  
LINDEN 230KV SUBSTATION  
SITE DESIGN

DRAWING NO. : 73163

584 HORSESHOE BEND ROAD, ERWIN, NC 28339  
STEWARTS CREEK TOWNSHIP,  
HARNETT COUNTY, NC  
(LAT. 35°16'05.26" N, LONG -78°45'50.12" W  
N35.268127, W-78.763922)



### PROJECT INFORMATION:

- OWNER:  
DUKE ENERGY PROGRESS  
410 S. WILMINGTON STREET  
RALEIGH, NC 27601  
PHONE: (919) 546-3459
- ENGINEER:  
STANTEC CONSULTING SERVICES INC.  
801 JONES FRANKLIN ROAD, SUITE #300  
RALEIGH, NC 27608  
PHONE: (919) 851-6866
- PARCEL INFORMATION:  
STREET ADDRESS: 584 HORSESHOE BEND ROAD  
PIN#: 0575-02-7198-000  
ZONING: RA-20R  
LAND USE CLASSIFICATION = MEDIUM DENSITY RESIDENTIAL  
TOTAL AREA IN PROPERTY: 17.83 AC (776,765 SF)  
TOTAL AREA IN ROAD ROW: 0.00 AC  
TOTAL AREA ON-SITE PROPERTY: 17.83 AC  
RECORDED IN DB: 3472 PG. 0454
- PROPOSED DISTURBED AREA: 533,600 SF (12.25 AC)
- IMPERVIOUS AREA:  
EXISTING: 500 SF (0.01 AC)  
PROPOSED: 1,000 SF (0.02 AC)  
TOTAL: 1,500 SF (0.03 AC)  
FUTURE (AS SHOWN ON THESE PLANS, TRANSFORMER AND SWITCH STRUCTURE):  
2,000 SF (0.05 AC)  
TOTAL: 52,000 SF (1.19 AC)  
PERCENT IMPERVIOUS = 6.70%  
24% MAXIMUM IMPERVIOUS LIMITATIONS FOR LOW DENSITY. MEETS STATE  
STORMWATER MANAGEMENT LOW DENSITY REQUIREMENTS. NO PERMANENT  
STORMWATER MANAGEMENT CONTROL MEASURE IS REQUIRED.
- SITE IS LOCATED IN ZONE X. SITE IS NOT WITHIN A FEMA 100 YR FLOODPLAIN PER  
FIRM MAP # 3720056400K EFFECTIVE 01/05/2007.
- PARCEL IS NOT LOCATED IN A WATERSHED DISTRICT. PARCEL IS LOCATED WITHIN  
THE CAPE FEAR RIVER BASIN (NO BUFFER RULES) CLASSIFICATION C.
- EXISTING USE: AGRICULTURE.
- THIS DEVELOPMENT IS WITHIN ONE MILE OF A VOLUNTARY AGRICULTURE  
DISTRICT.
- PROPOSED USE: ELECTRIC TRANSMISSION / DISTRIBUTION SUBSTATION.
- LEO GLADNEY, JR., MAINTENANCE AREA MANAGER, (919) 861-4528  
(LEO.GLADNEY@DUKE-ENERGY.COM), IS RESPONSIBLE FOR MAINTENANCE OF  
THE 1 PARKING SPACE AREA AND ALL LANDSCAPE BUFFERING.
- HARNETT COUNTY CONDITIONAL USE PERMIT #BA-CU-13-16. APPROVED MAY 14,  
2018 WITHOUT CONDITIONS.



801 JONES FRANKLIN RD, SUITE 300  
RALEIGH, NC 27606  
(919) 851-6866  
(919) 851-7024 FAX  
LICENSE # F-0672  
PROJECT NUMBER: 178451074

NPCDES Stormwater Discharge Permit for Construction Activities (NCCOO)

### NEW STABILIZATION TIMEFRAMES (Effective Aug. 3, 2011)

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPT
Perimeter dikes, swales, ditches, slopes	7 days	None
High Quality Water (HOW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in height, not steeper than 2:1, 14 days
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 3:1
All other areas with slopes flatter than 4:1	14 days	None, except for perimeters

### DRAWING LIST

COVER SHEET	RDC-73
BOUNDARY AND TOPOGRAPHIC SURVEY	RDC-73
EXISTING CONDITIONS / DEMOLITION PLAN	RDC-73
OVERALL SITE PLAN	RDC-73
DIMENSION LAYOUT PLAN	RDC-73
GRADING AND DRAINAGE PLAN	RDC-73
EROSION AND SEDIMENT CONTROL NOTES	RDC-73
EROSION AND SEDIMENT CONTROL PLAN - PHASE I	RDC-73
EROSION AND SEDIMENT CONTROL PLAN - PHASE II	RDC-73
ACCESS DRIVE PROFILE	RDC-73
LANDSCAPE PLAN	RDC-73
LANDSCAPE DETAILS AND NOTES	RDC-73
SCHEDULES AND SECTIONS	RDC-73
EROSION CONTROL DETAILS	RDC-73
EROSION CONTROL DETAILS	RDC-73
EROSION CONTROL AND DRAINAGE DETAILS	RDC-73

FINAL SUBMITTAL  
ISSUED FOR CONSTRUCTION

### OWNER CONSENT

AS THE OWNER OF RECORD, I HEREBY FORMALLY CONSENT TO THE PROPOSED CONSTRUCTION OF THIS PROJECT AND TO ALL REGULATIONS AND REQUIREMENTS OF THE HARNETT COUNTY ORDINANCES.

BY: LEO GLADNEY, JR., P.E. DATE: 07/11/2008

I hereby certify that I am a duly Licensed Professional Engineer in the State of North Carolina and I am duly Licensed in the State of North Carolina. I have reviewed the drawings and specifications and certify that they conform to the requirements of the North Carolina Board of Professional Engineers and Surveyors. I have also reviewed the drawings and specifications and certify that they conform to the requirements of the North Carolina Board of Professional Engineers and Surveyors.