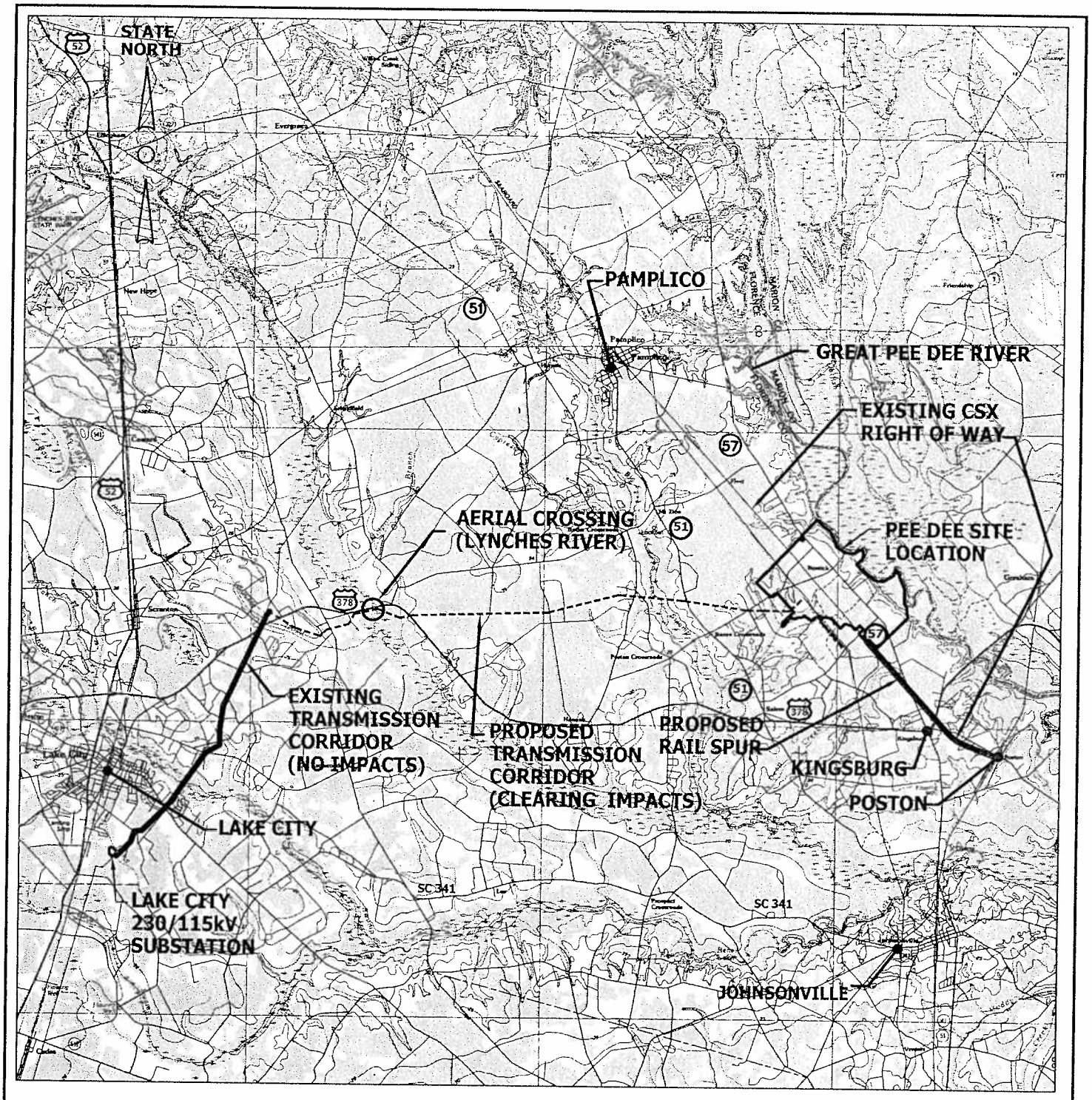
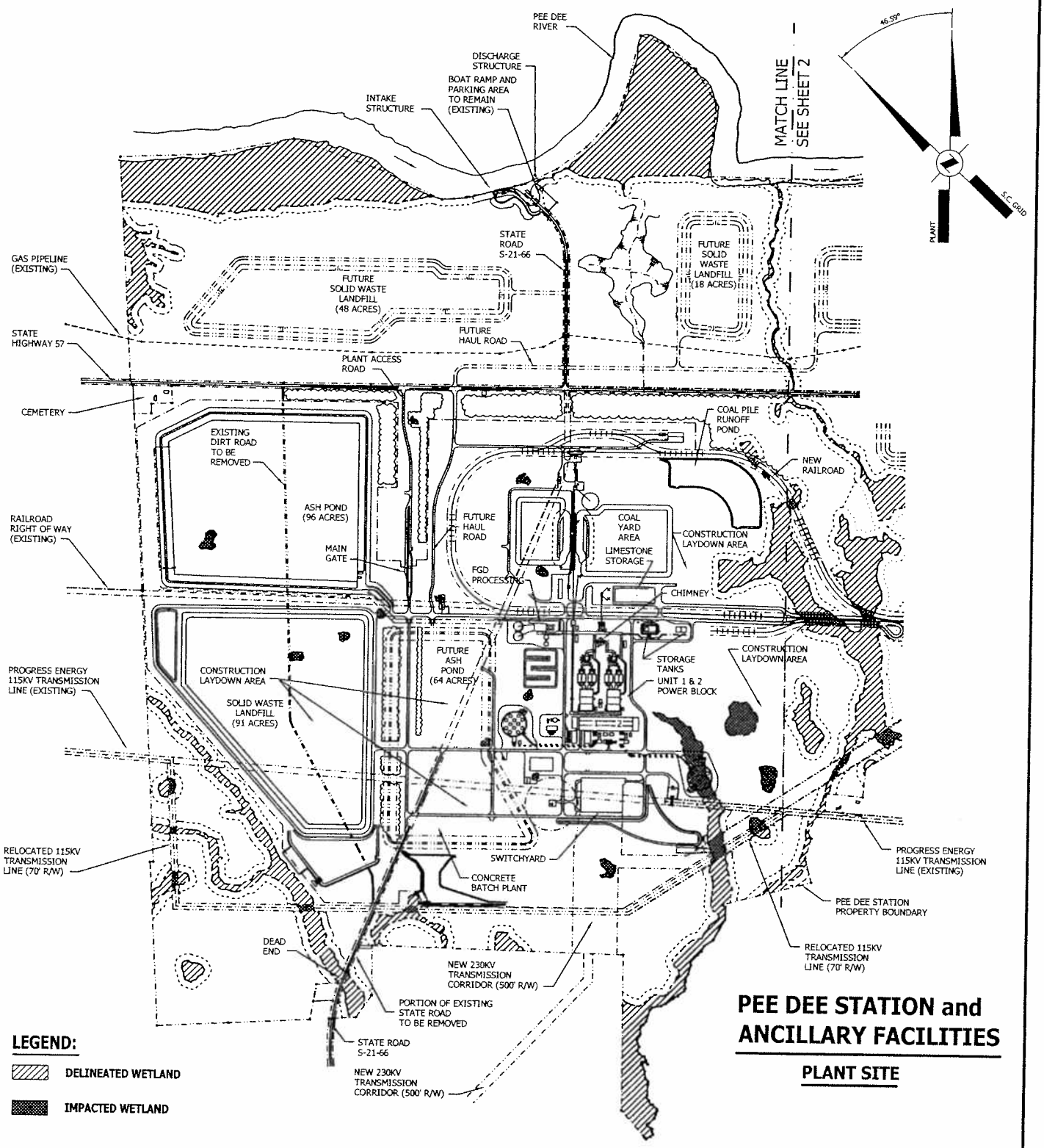



# VICINITY MAP

SC-pede-1-dw-sc-735-0100.dwg

SOURCE: USGS KINGSTREE, SC 1986

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 16,000' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 1 OF 46 |

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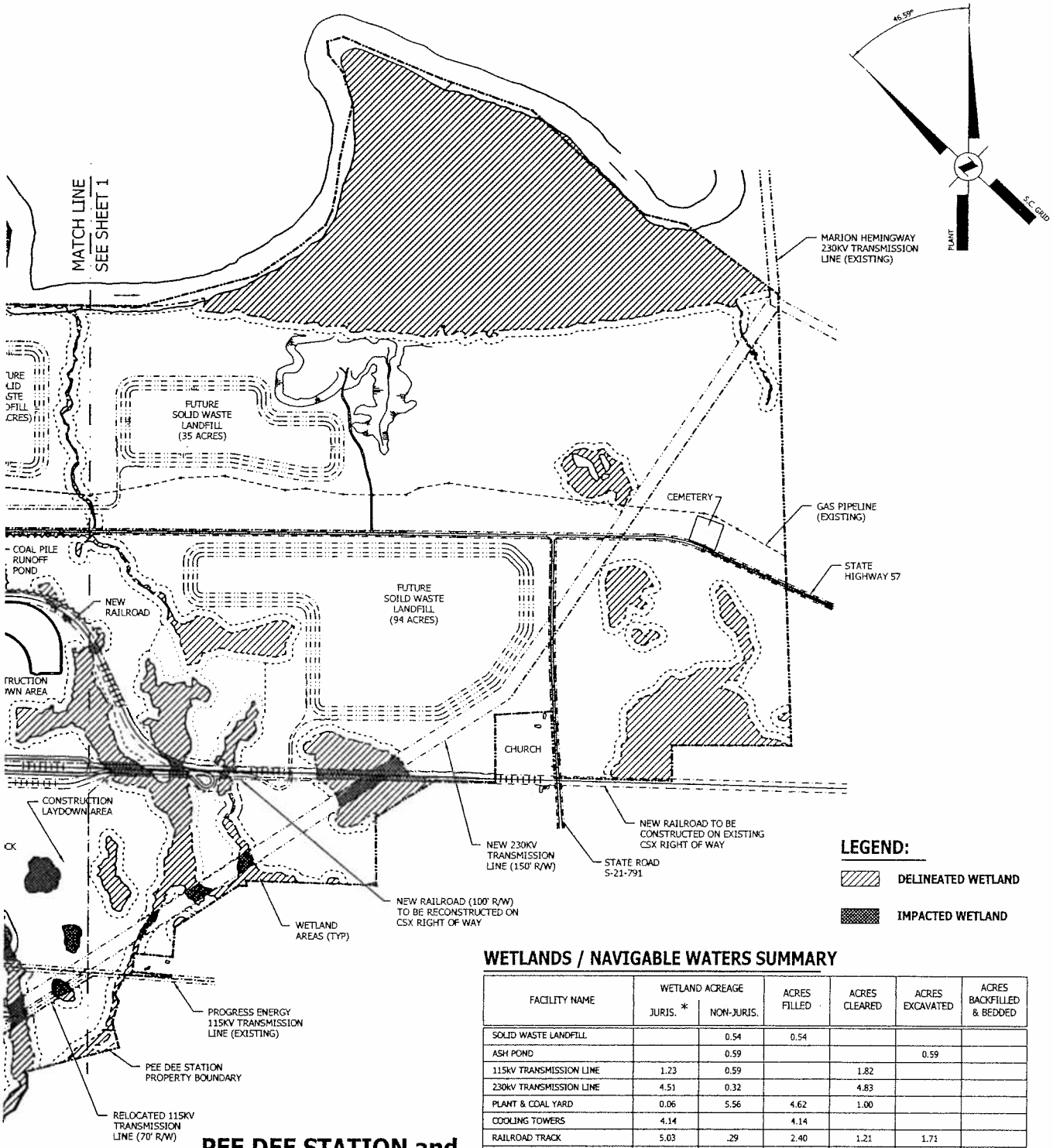
| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 1600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 2 OF 46 |




## WETLANDS / NAVIGABLE WATERS SUMMARY

| FACILITY NAME | WETLAND ACREAGE JURIS. * | WETLAND ACREAGE NON-JURIS. | ACRES FILLED | ACRES CLEARED | ACRES EXCAVATED | ACRES BACKFILLED & BEDDED |
|---|---|---|---|---|---|---|
| SOLID WASTE LANDFILL | | 0.54 | 0.54 | | | |
| ASH POND | | 0.59 | | | 0.59 | |
| 115kV TRANSMISSION LINE | 1.23 | 0.59 | | 1.82 | | |
| 230kV TRANSMISSION LINE | 4.51 | 0.32 | | 4.83 | | |
| PLANT & COAL YARD | 0.06 | 5.56 | 4.62 | 1.00 | | |
| COOLING TOWERS | 4.14 | | 4.14 | | | |
| RAILROAD TRACK | 5.03 | .29 | 2.40 | 1.21 | 1.71 | |
| INTAKE STRUCTURE ** | 0.44 | | 0.44 | | | |
| DISCHARGE STRUCTURE ** | 0.09 | | 0.05 | | | 0.04 |
| TOTAL WETLAND IMPACTED | 15.50 | 7.89 | 12.19 | 8.86 | 2.30 | 0.04 |
| TOTAL WETLAND | 446.90 | 23.87 | | | | |
| TOTAL WETLAND REMAINING | 431.40 | 15.98 | | | | |

* JURISDICTIONAL
** NAVIGABLE WATERS IMPACT

# PEE DEE STATION and ANCILLARY FACILITIES

## PLANT SITE

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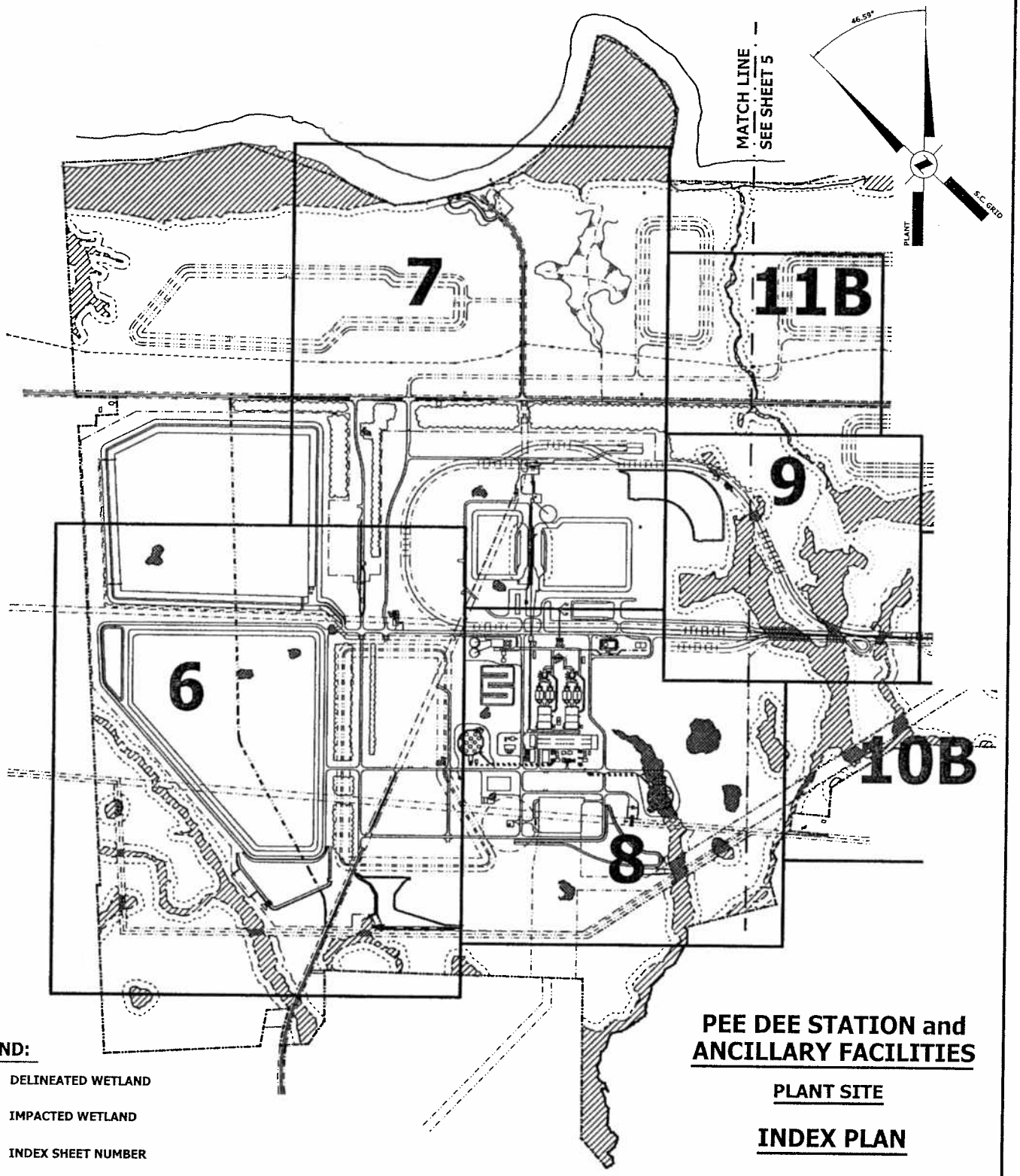
| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 1600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 3 OF 46 |




**LEGEND:**

DELINEATED WETLAND

IMPACTED WETLAND

6 INDEX SHEET NUMBER

**PEE DEE STATION and ANCILLARY FACILITIES**

**PLANT SITE**

**INDEX PLAN**

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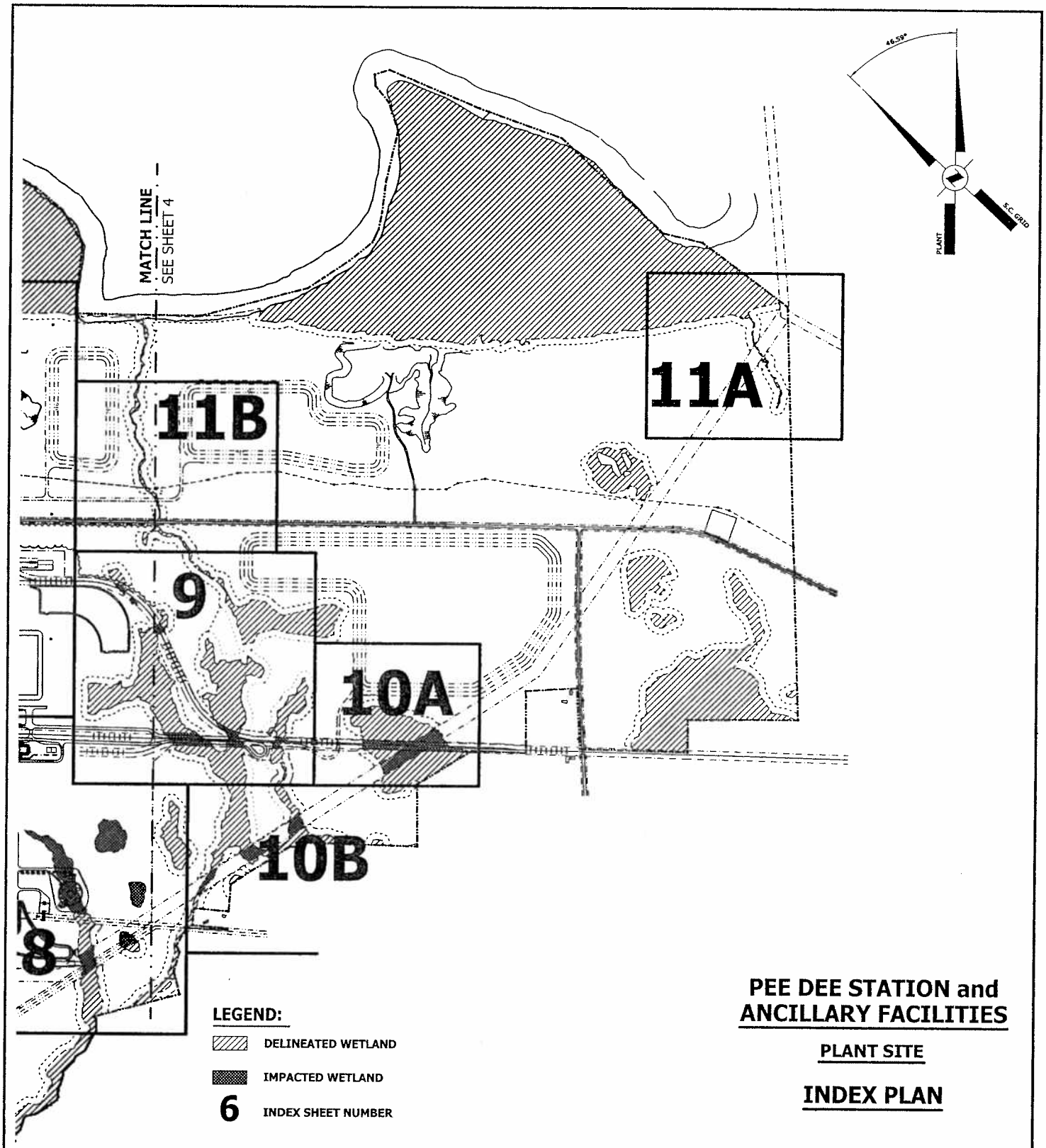
| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 1600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 4 OF 46 |



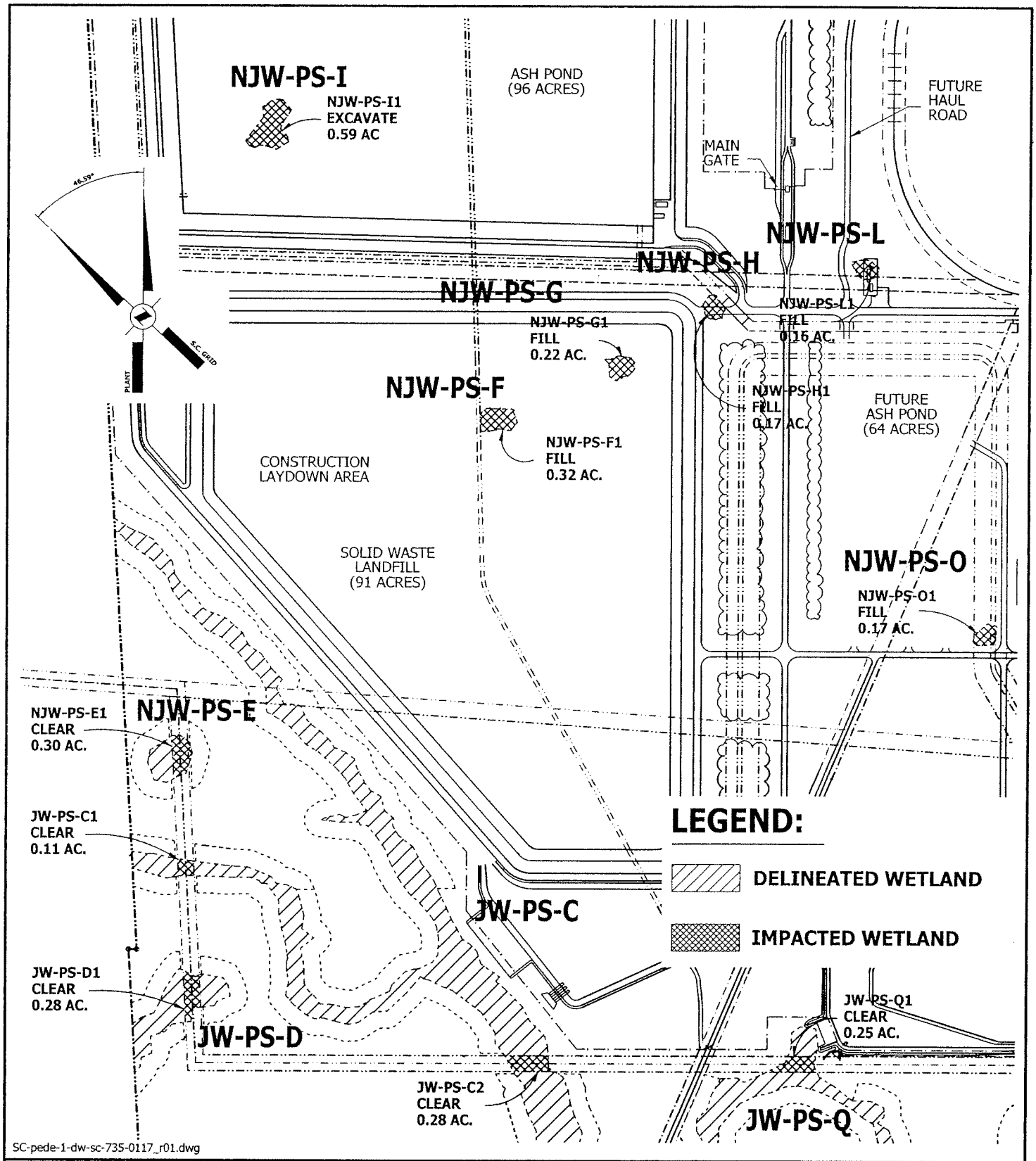

**PEE DEE STATION and ANCILLARY FACILITIES**

**PLANT SITE**

**INDEX PLAN**

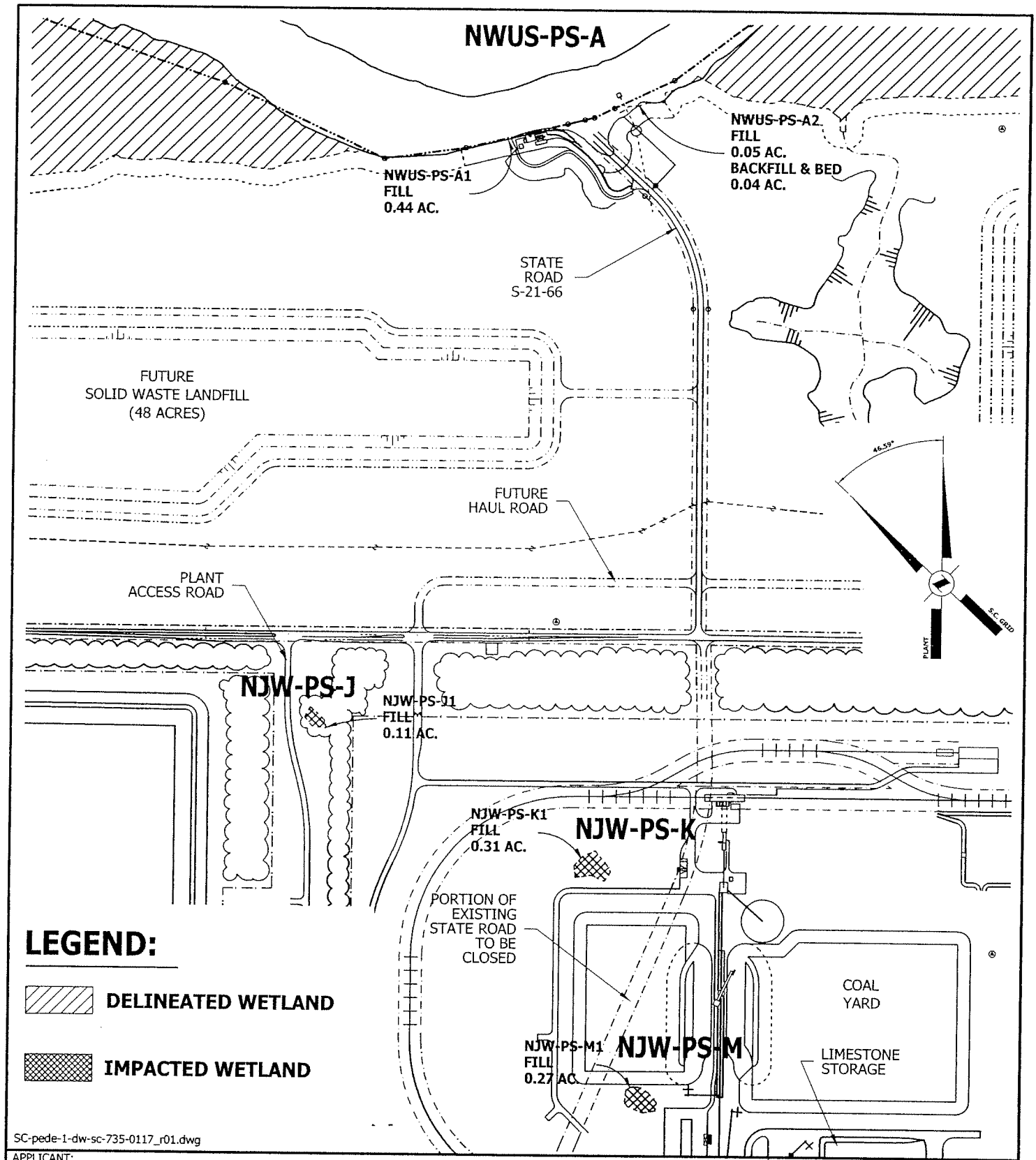
SC-pede-1-dw-sc-735-0126_r01.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 1600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 5 OF 46 |




SC-pede-1-dw-sc-735-0117_r01.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 6 OF 46 |

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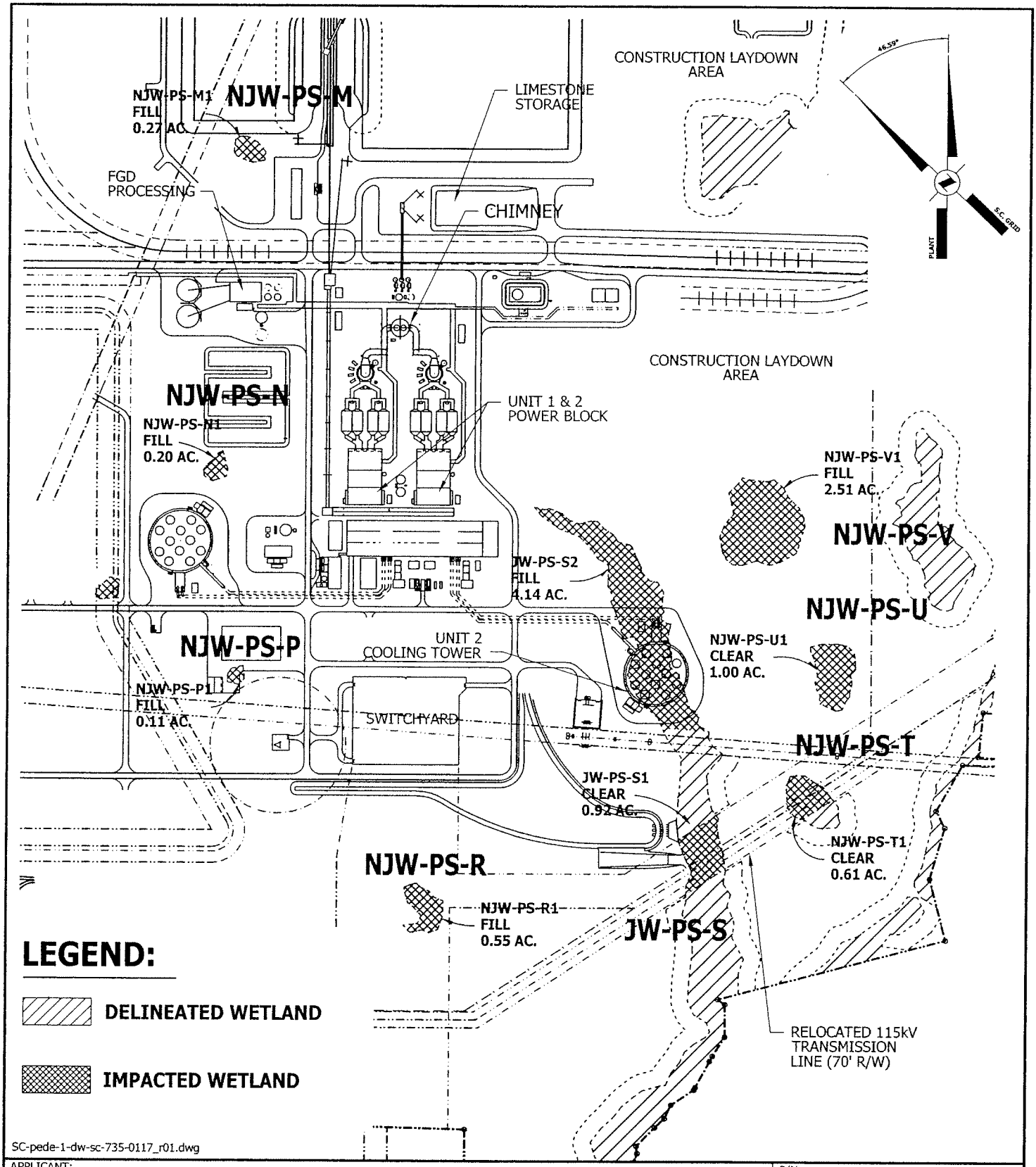
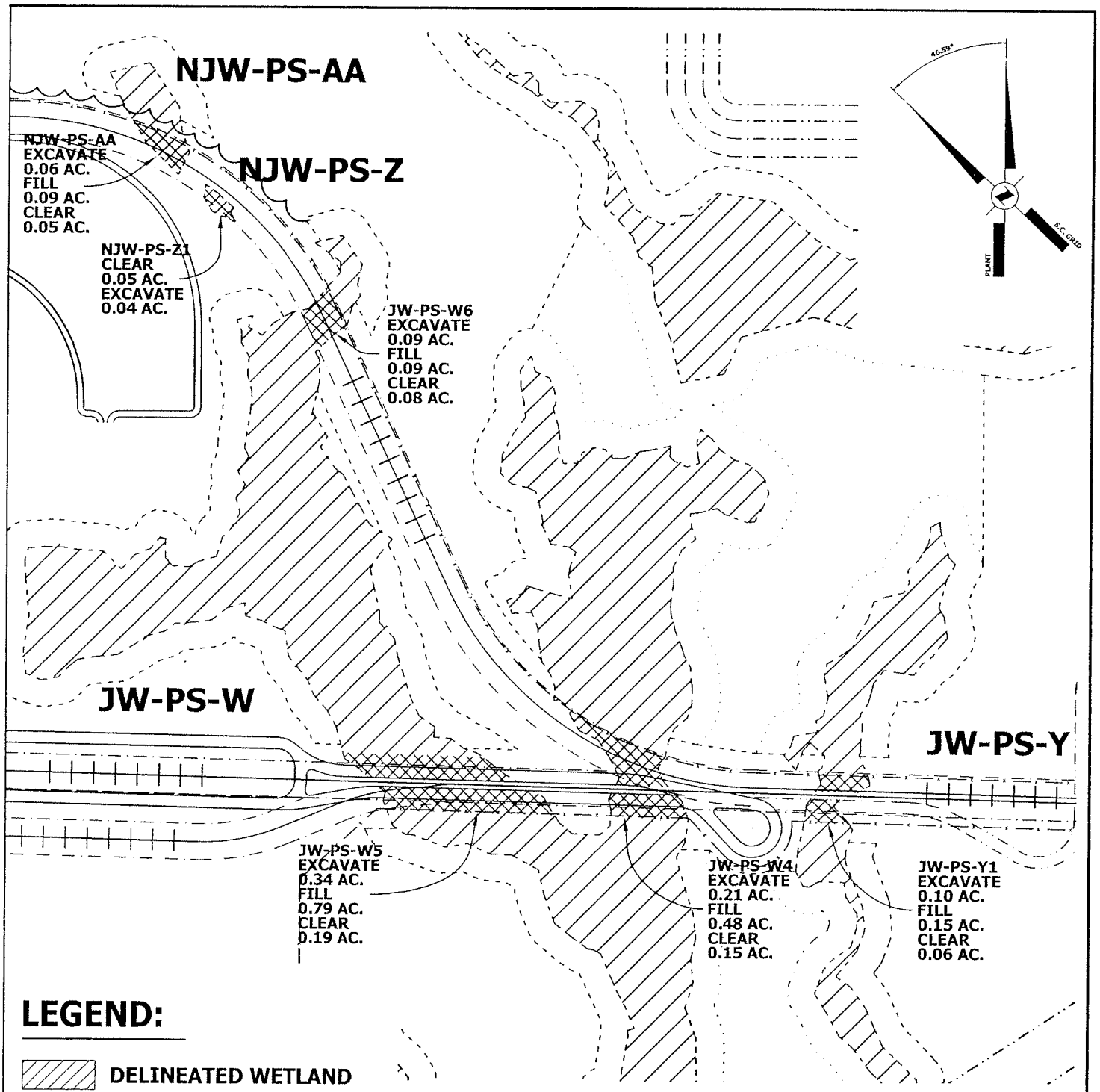
| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 7 OF 46 |




| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 8 OF 46 |



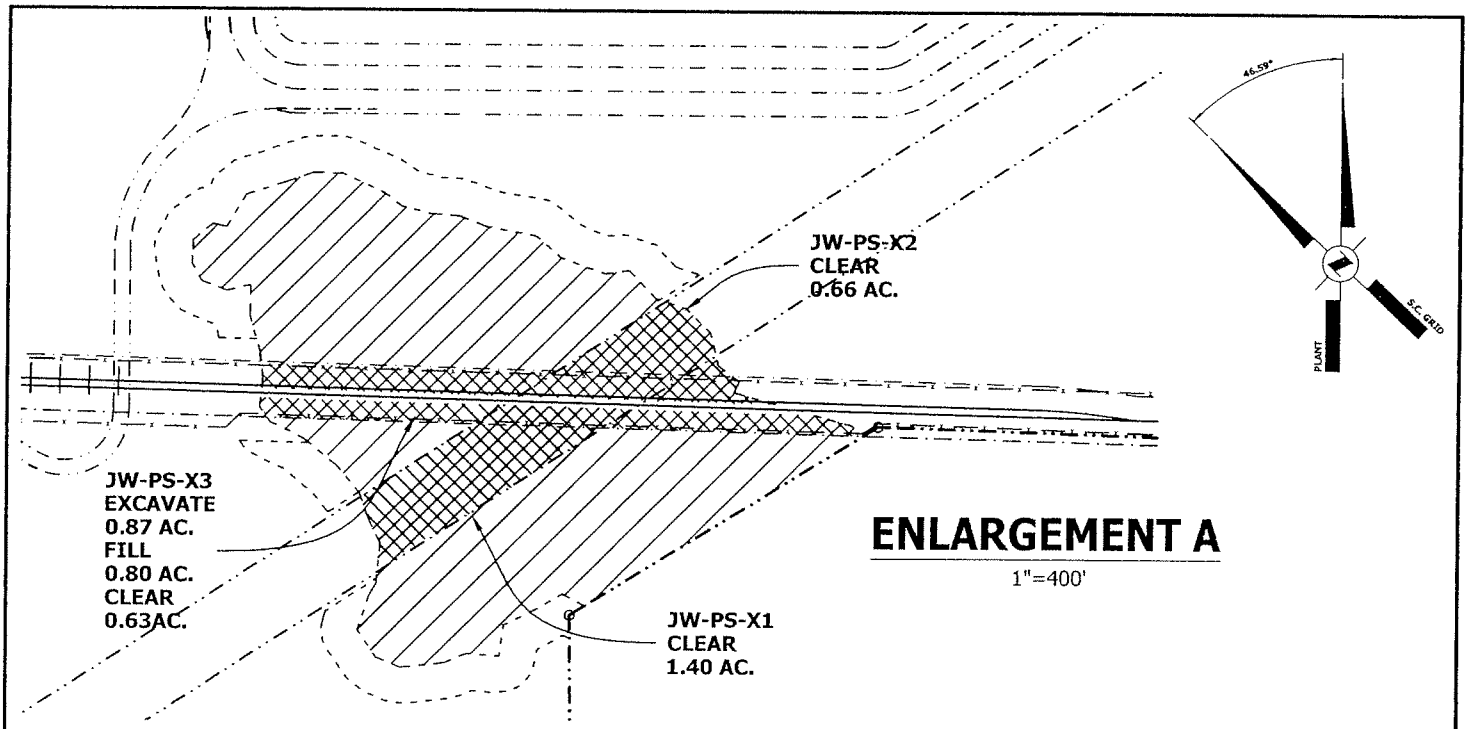

## LEGEND:

DELINEATED WETLAND

IMPACTED WETLAND

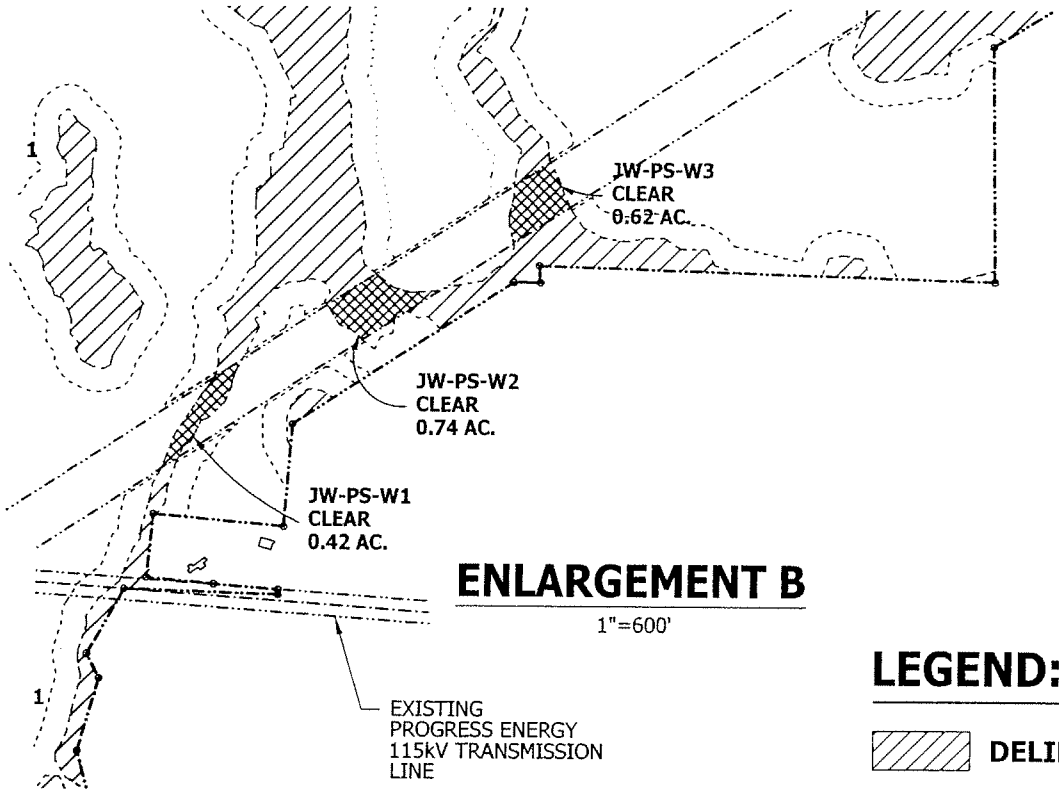
SC-pede-1-dw-sc-735-0117_r01.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 400' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 9 OF 46 |




## ENLARGEMENT A

1"=400'




## ENLARGEMENT B

1"=600'

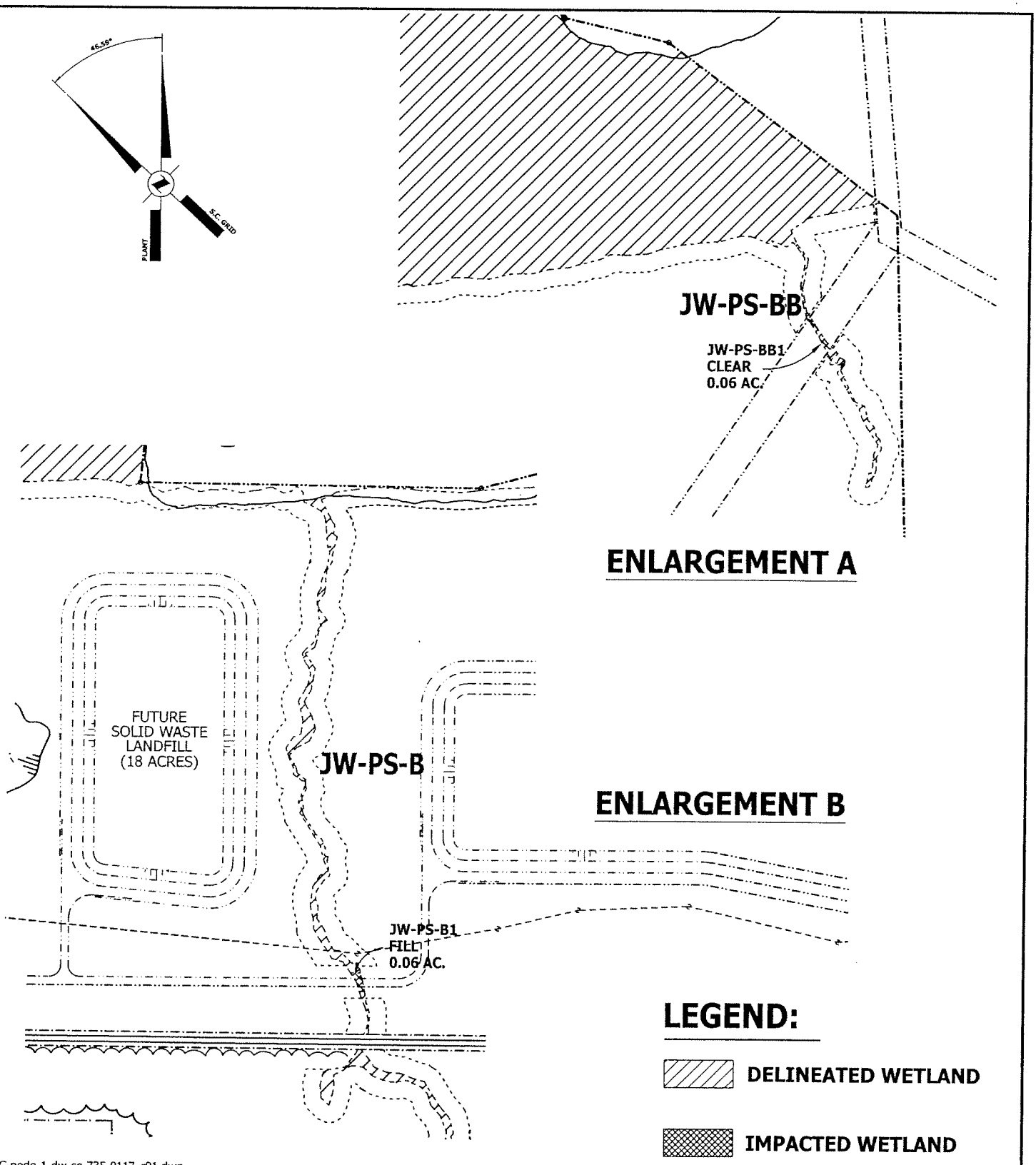
## LEGEND:

DELINEATED WETLAND

IMPACTED WETLAND

SC-pede-1-dw-sc-735-0117_r01.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: AS NOTED | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 10 OF 46 |

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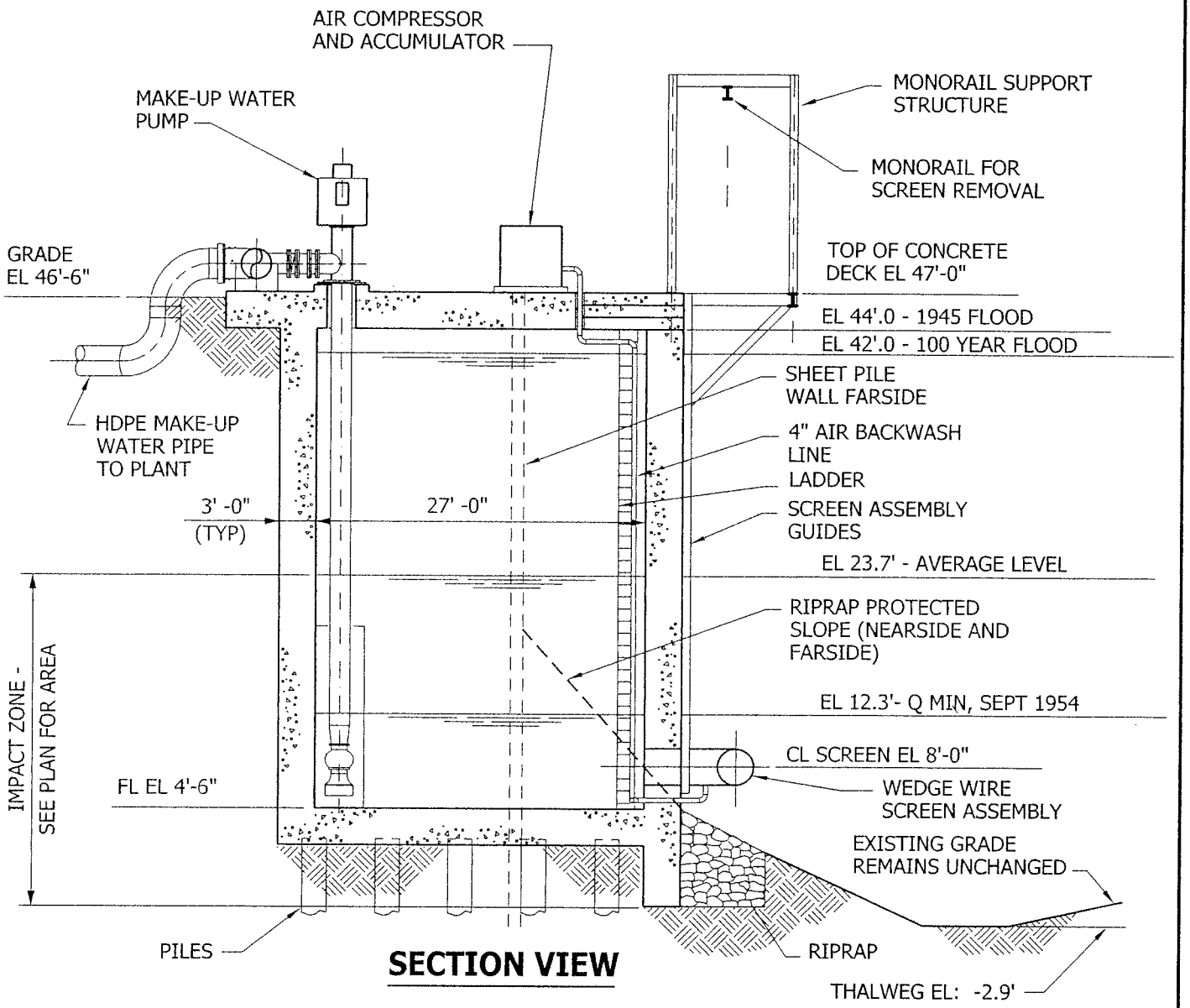
| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1"=600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 11 OF 46 |



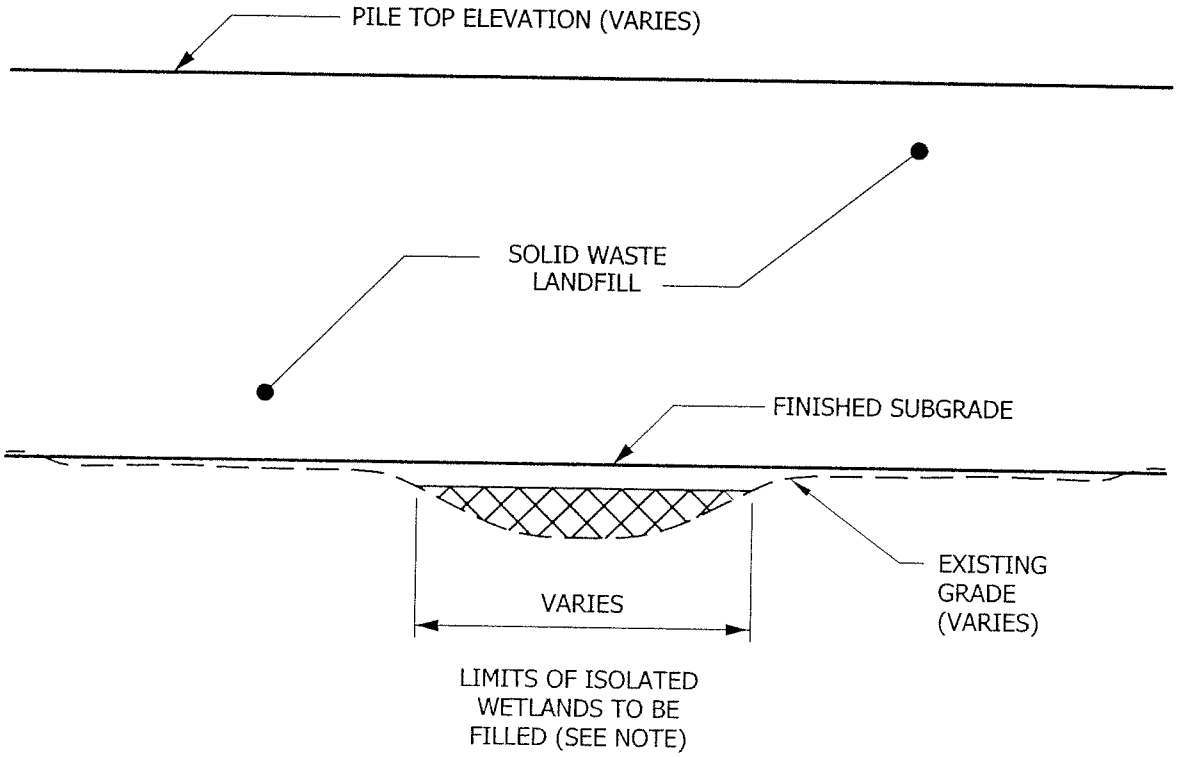

**SECTION VIEW**

DATUM: NGVD (1929)

# NAVIGABLE WATERS FILL - INTAKE STRUCTURE

SC-pede-1-dw-sc-735-0112.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 1600' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 12 OF 46 |




NOTE:

TYPICAL OF TWO LOCATIONS WITHIN THE SOLID WASTE LANDFILL. SEE PLAN FOR ACREAGE AND LOCATIONS.

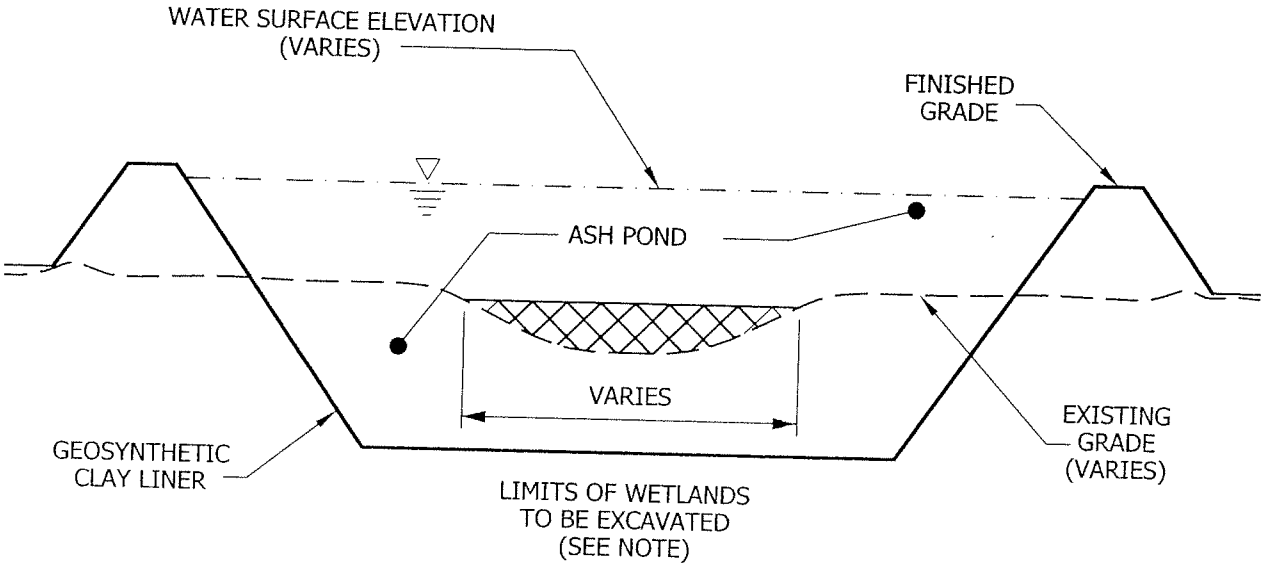
## TYPICAL SECTION

NOT TO SCALE

# WETLANDS FILL - SOLID WASTE LANDFILL

SC-pede-1-dw-sc-735-0104.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: N.T.S. | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 13 OF 46 |




NOTE:

TYPICAL OF ONE LOCATION WITHIN THE ASH POND SEE PLAN FOR ACREAGE AND LOCATION.

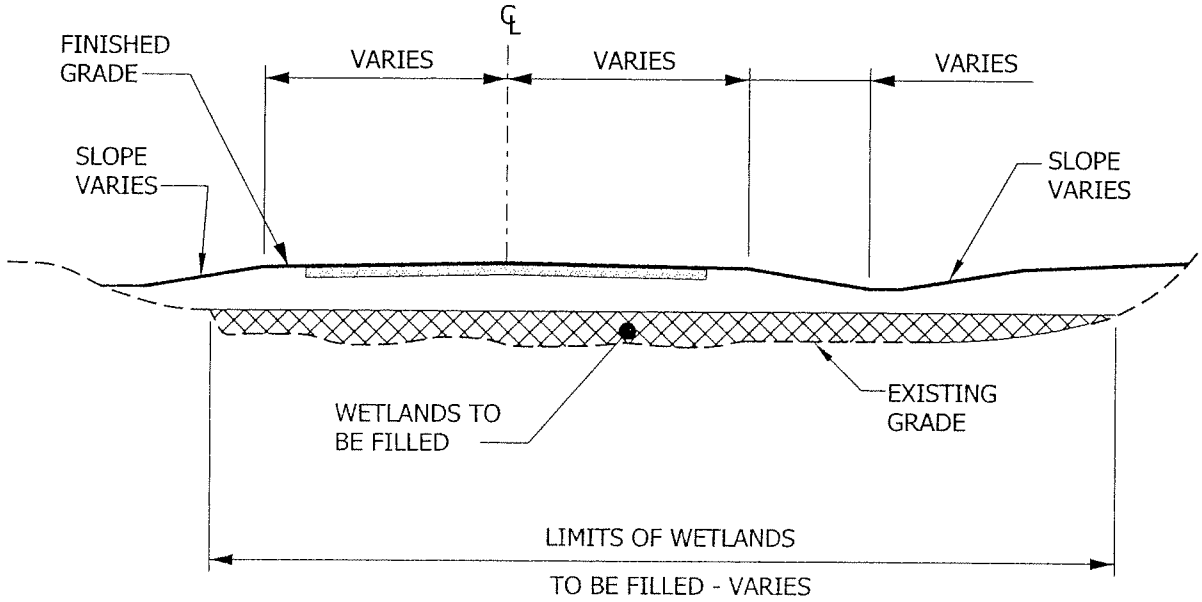
## TYICAL SECTION

NOT TO SCALE

# WETLANDS EXCAVATION - ASH POND

SC-pede-1-dw-sc-735-0106.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: N.T.S. | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 14 OF 46 |




NOTE:

TYPICAL OF FIVE LOCATIONS WITHIN THE PLANT SITE PROPER. SEE PLAN FOR ACREAGE AND LOCATIONS.

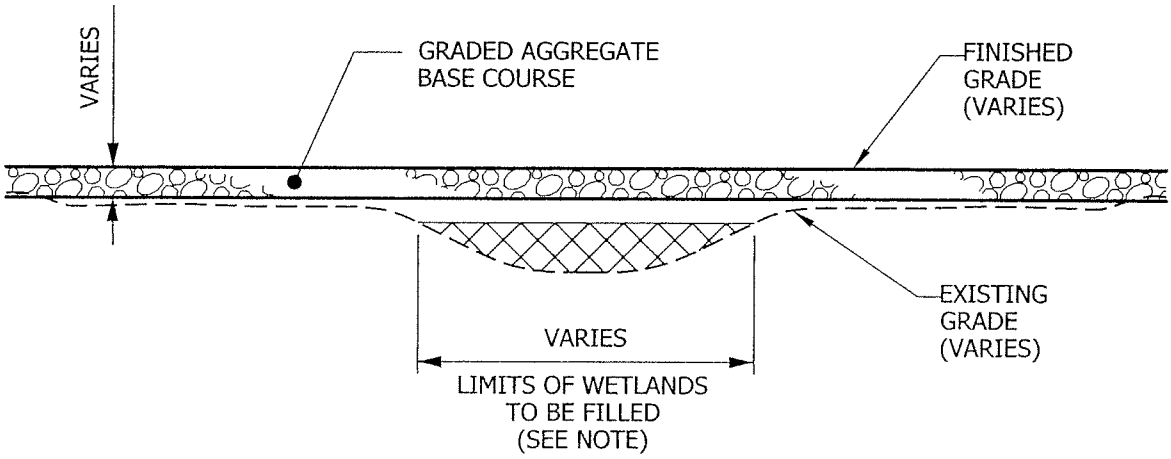
## TYPICAL SECTION - ACCESS ROAD

NOT TO SCALE

# WETLANDS FILL - PLANT AND COAL YARD AREA

PEDE-1-DW-SC-735-0107.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/06 | SHT. 15 OF 46 |




NOTE:

TYPICAL OF FIVE LOCATIONS WITHIN
THE AREA DESIGNATED FOR LAYDOWN.
SEE PLAN FOR ACREAGE AND LOCATIONS.

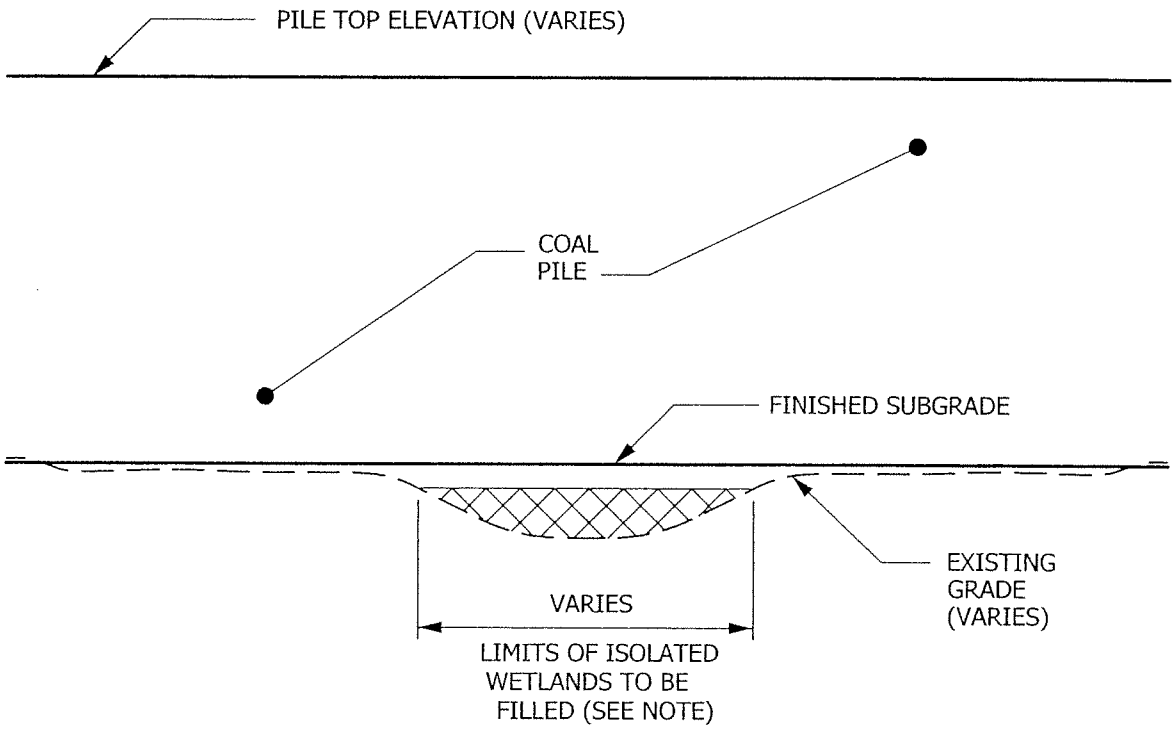
## TYPICAL SECTION - CONSTRUCTION LAYDOWN AREA

NOT TO SCALE

# WETLANDS FILL - PLANT AND COAL YARD AREA

PEDE-1-DW-SC-735-0108.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/06 | SHT. 16 OF 46 |




NOTE:

TYPICAL OF TWO LOCATIONS WITHIN THE COAL YARD AREA. SEE PLAN FOR ACREAGE AND LOCATIONS.

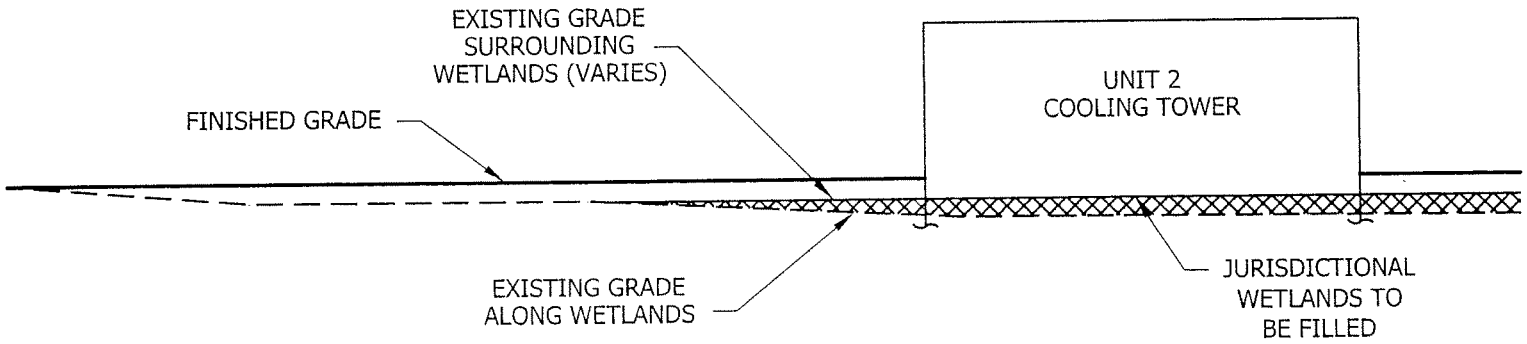
## TYPICAL SECTION - COAL YARD

NOT TO SCALE

# WETLANDS FILL- PLANT AND COAL YARD AREA

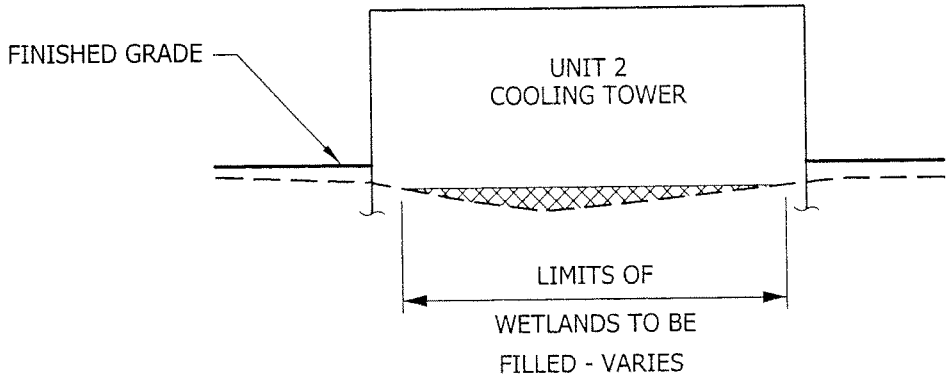
PEDE-1-DW-SC-735-0109.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/06 | SHT. 17 OF 46 |




## EAST - WEST PROFILE VIEW

**NOT TO SCALE**




## NORTH-SOUTH PROFILE VIEW

**NOT TO SCALE**

**NOTE:**

**SEE PLAN FOR ACREAGE AND LOCATION.**

# WETLANDS FILL - UNIT 2 COOLING TOWER

SC-pede-1-dw-sc-735-0110.dwg

APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER)

PROJECT: PEE DEE STATION & ANCILLARY FACILITIES

LOCATION: FLORENCE COUNTY, SOUTH CAROLINA

P/N:

PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY

LAT: N 33° 55' 27.4"

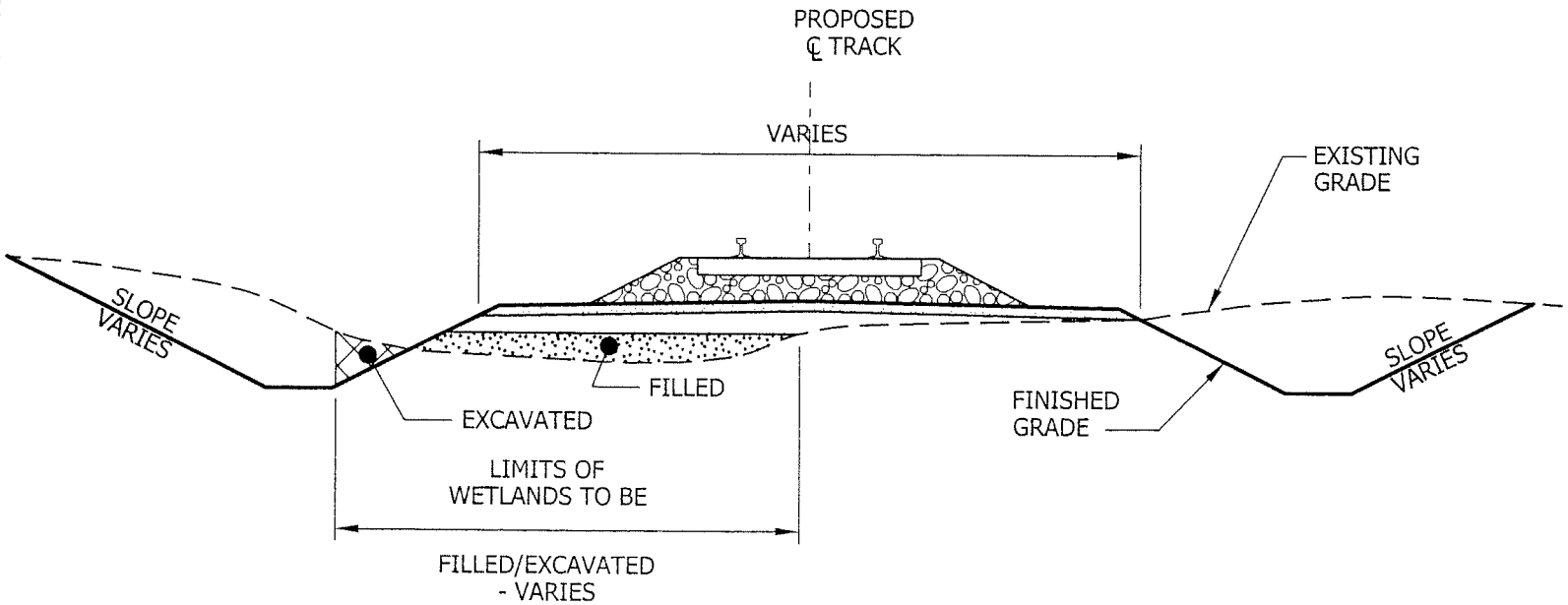
LONG: W 79° 29' 36.5"

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT |

SCALE: N.T.S.

DATE: 11/16/2006

SHT. 18 OF 46




## TYPICAL RAILROAD SECTION

NOT TO SCALE

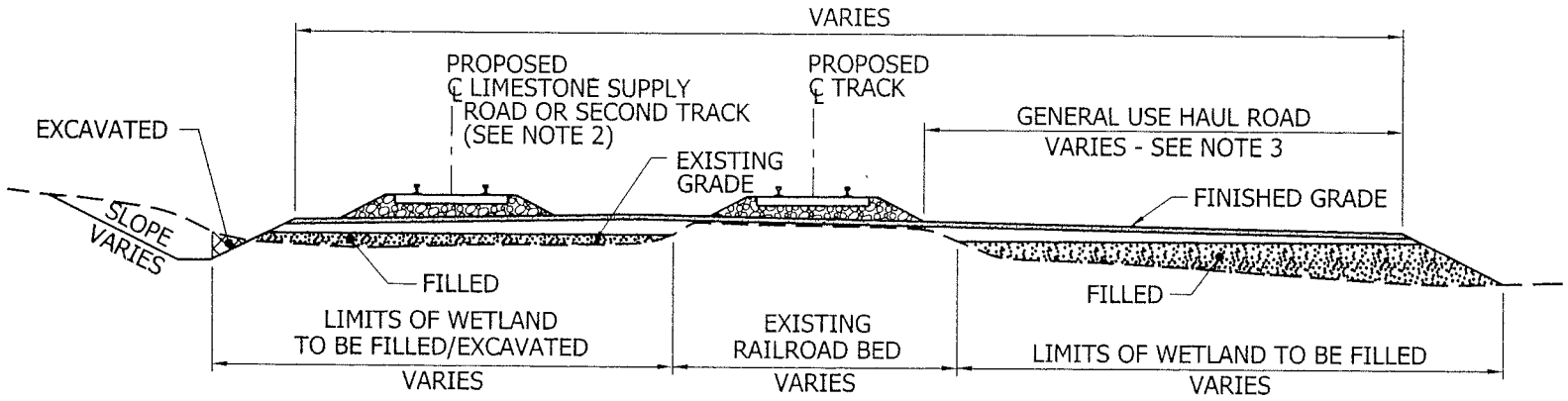
NOTE:

SECTION APPLIES TO THE LOOP TRACK BETWEEN PLANT GRID E 13,500 AND E 15,010.

# WETLANDS FILL - ONSITE RAILROAD

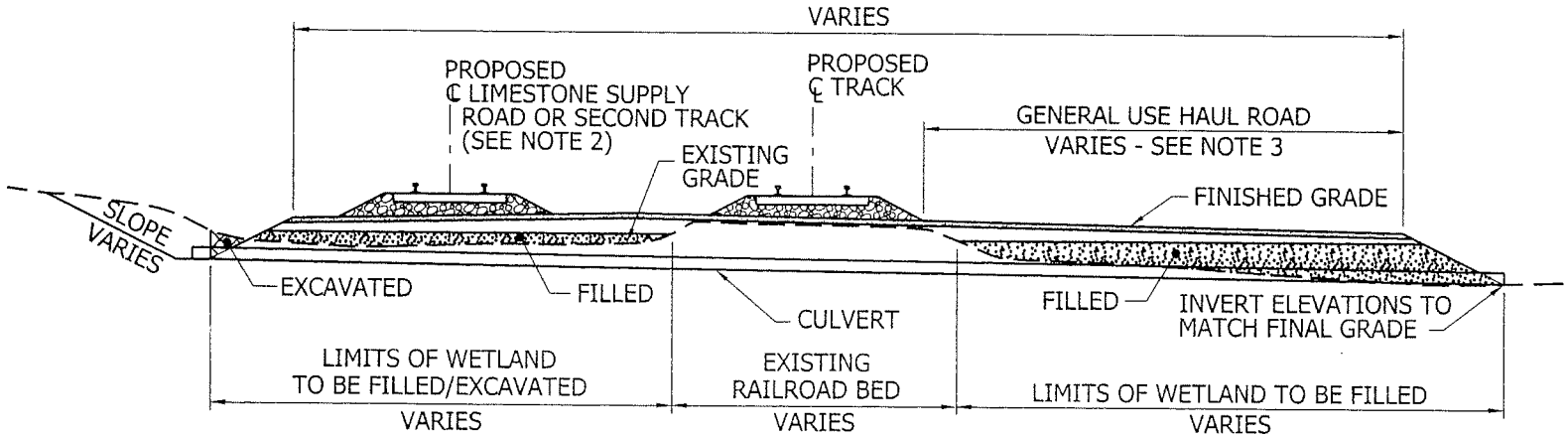
| | |
|---|---|
| PEDE-1-DW-SC-735-0111.dwg | |
| APPLICANT: | SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) |
| PROJECT: | PEE DEE STATION & ANCILLARY FACILITIES |
| LOCATION: | FLORENCE COUNTY, SOUTH CAROLINA |
| P/N: | |
| PURPOSE: | GENERATION & TRANSMISSION OF ELECTRICITY |
| LAT: | N 33° 55' 27.4" |
| LONG: | W 79° 29' 36.5" |
| SCALE: | |
| DATE: | 11/16/06 |
| SHT. | 19 OF 46 |

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT |




## TYPICAL RAILROAD SECTION - LOOKING EAST

NOT TO SCALE




## TYPICAL RAILROAD CULVERT SECTION - LOOKING EAST

NOT TO SCALE

NOTES:

1. SEE PLANS FOR WETLAND LOCATIONS.
2. TRANSITION FROM LIMESTONE SUPPLY ROAD TO SECOND TRACK OCCURS AT APPROXIMATE PLANT GRID E 15100. WETLAND IMPACTS ASSOCIATED WITH THE ROAD OCCUR BETWEEN E 14,110 AND E 15,020. IMPACTS ASSOCIATED WITH THE SECOND RAIL OCCUR BETWEEN E 15,350 AND E 17,510.
3. HAUL ROAD NOT PRESENT AT ALL WETLAND AND CULVERT CROSSING LOCATIONS.
4. SECTIONS APPLY ONLY ALONG THE EXISTING RAIL BED CORRIDOR.

# WETLANDS FILL - ONSITE RAILROAD

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT |

PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY

PROJECT: PEE DEE STATION & ANCILLARY FACILITIES

APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER)

PEDE-1-DW-SC-735-0114.dwg

SCALE:

DATE: 11/16/06

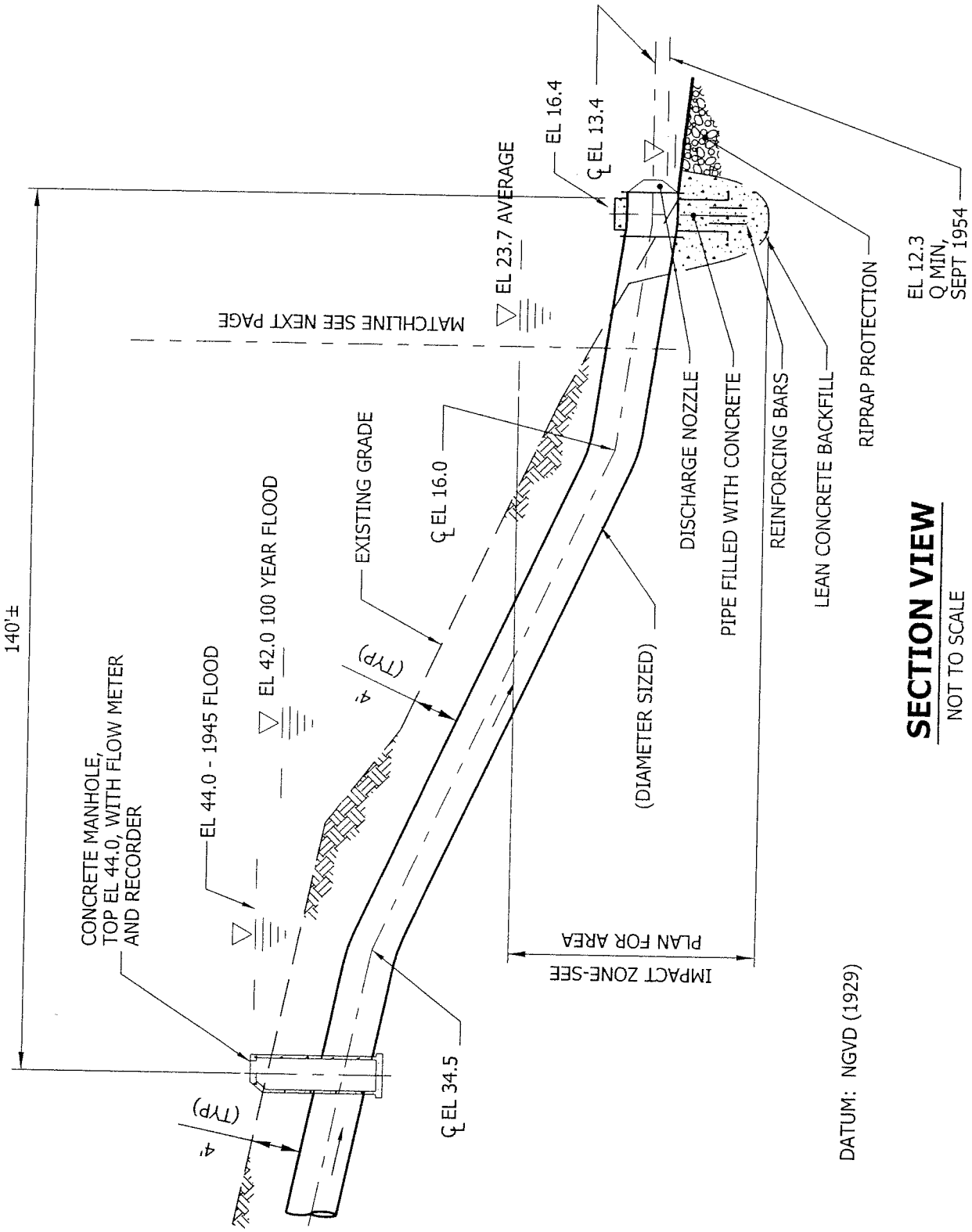
LOCATION: FLORENCE COUNTY, SOUTH CAROLINA

P/N:

LAT: N 33° 55' 27.4"

LONG: W 79° 29' 36.5"

SHT. 20 OF 46

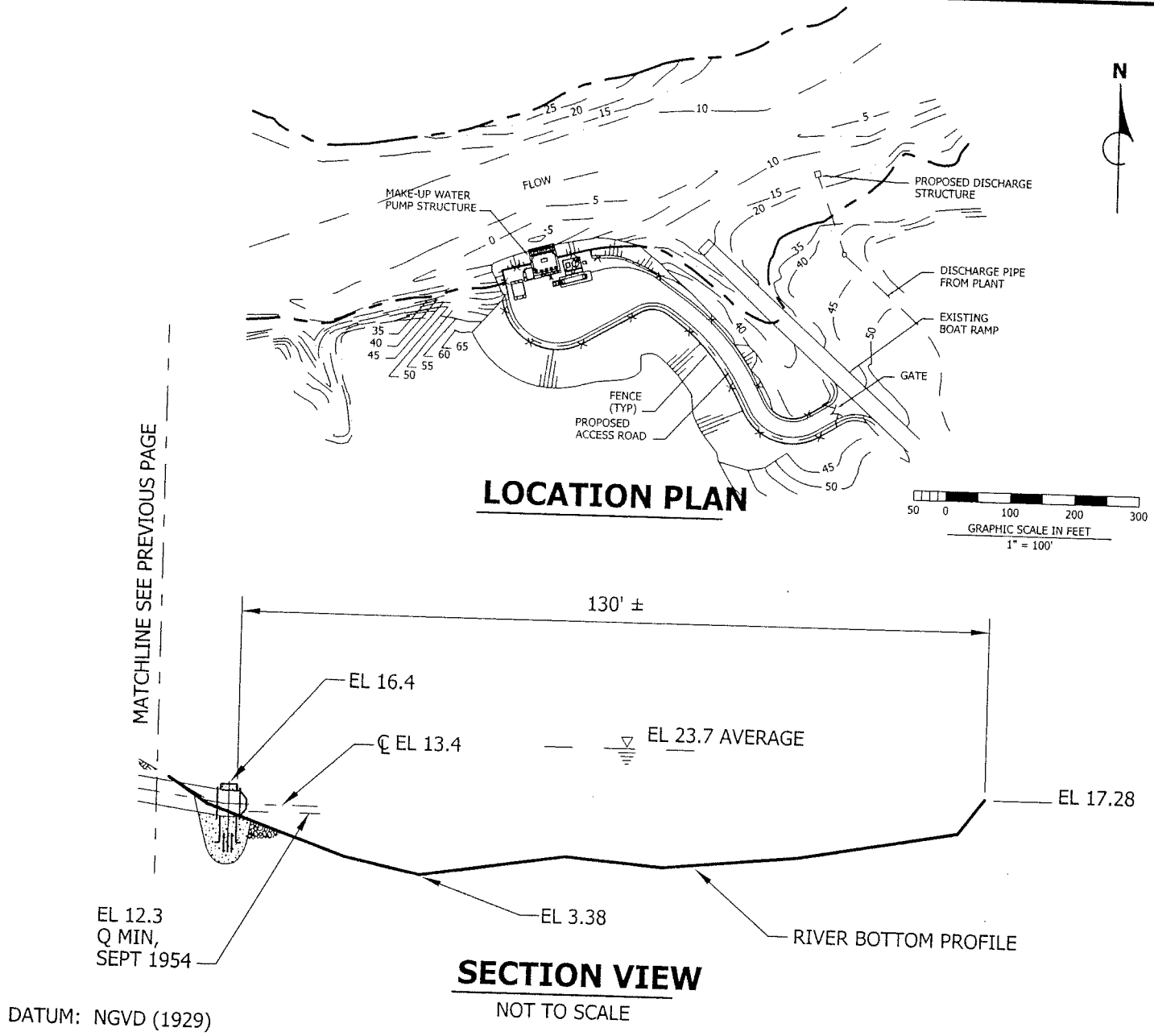



**SECTION VIEW**
NOT TO SCALE

# NAVIGABLE WATERS FILL - DISCHARGE STRUCTURE

SC-pede-1-dw-sc-735-0113.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: N.T.S. | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 21 OF 46 |




# NAVIGABLE WATERS FILL - DISCHARGE STRUCTURE

SC-pede-1-dw-sc-735-0113.dwg

APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER)

PROJECT: PEE DEE STATION & ANCILLARY FACILITIES

LOCATION: FLORENCE COUNTY, SOUTH CAROLINA

P/N:

PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY

LAT: N 33° 55' 27.4"

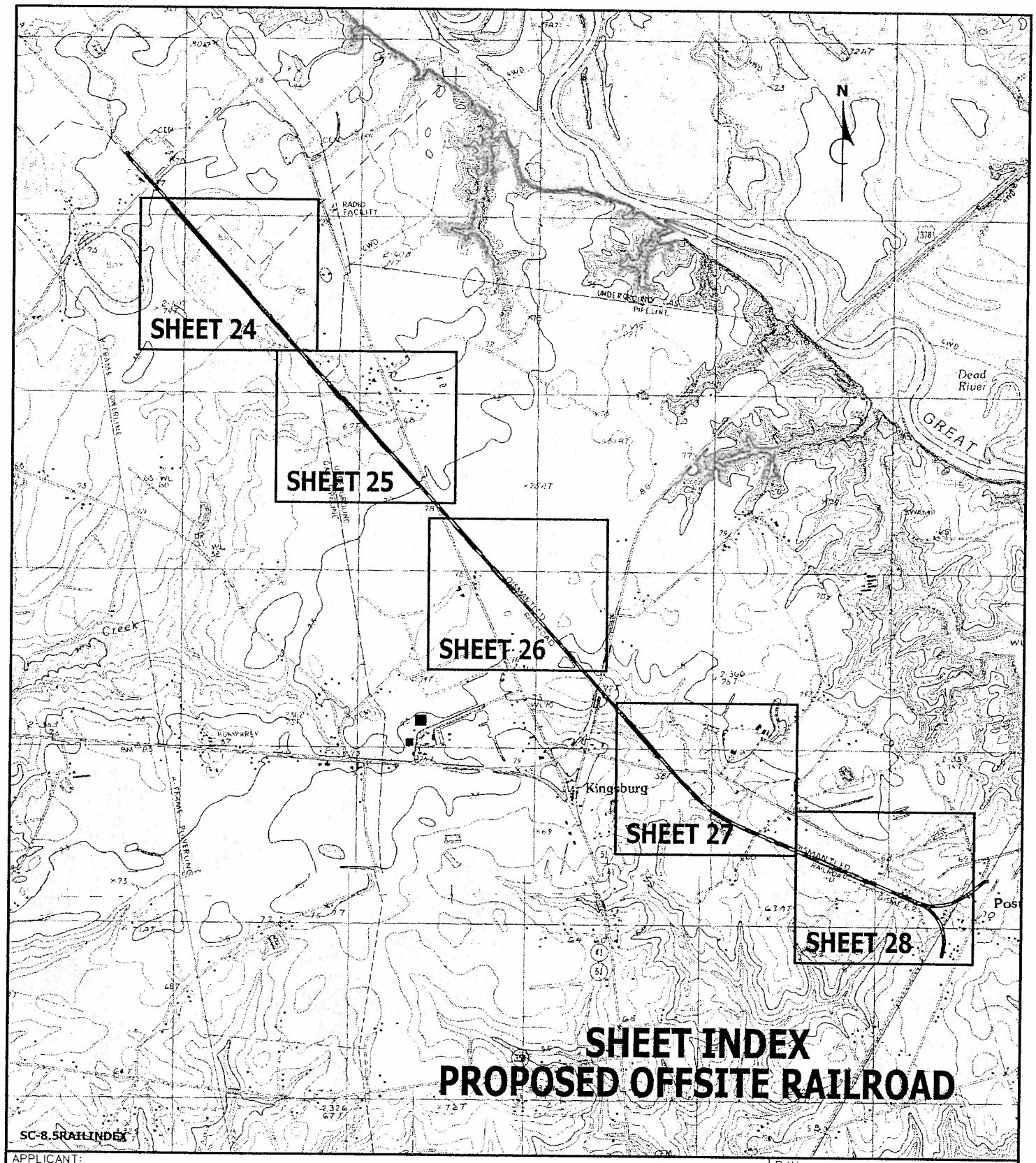
LONG: W 79° 29' 36.5"

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT |

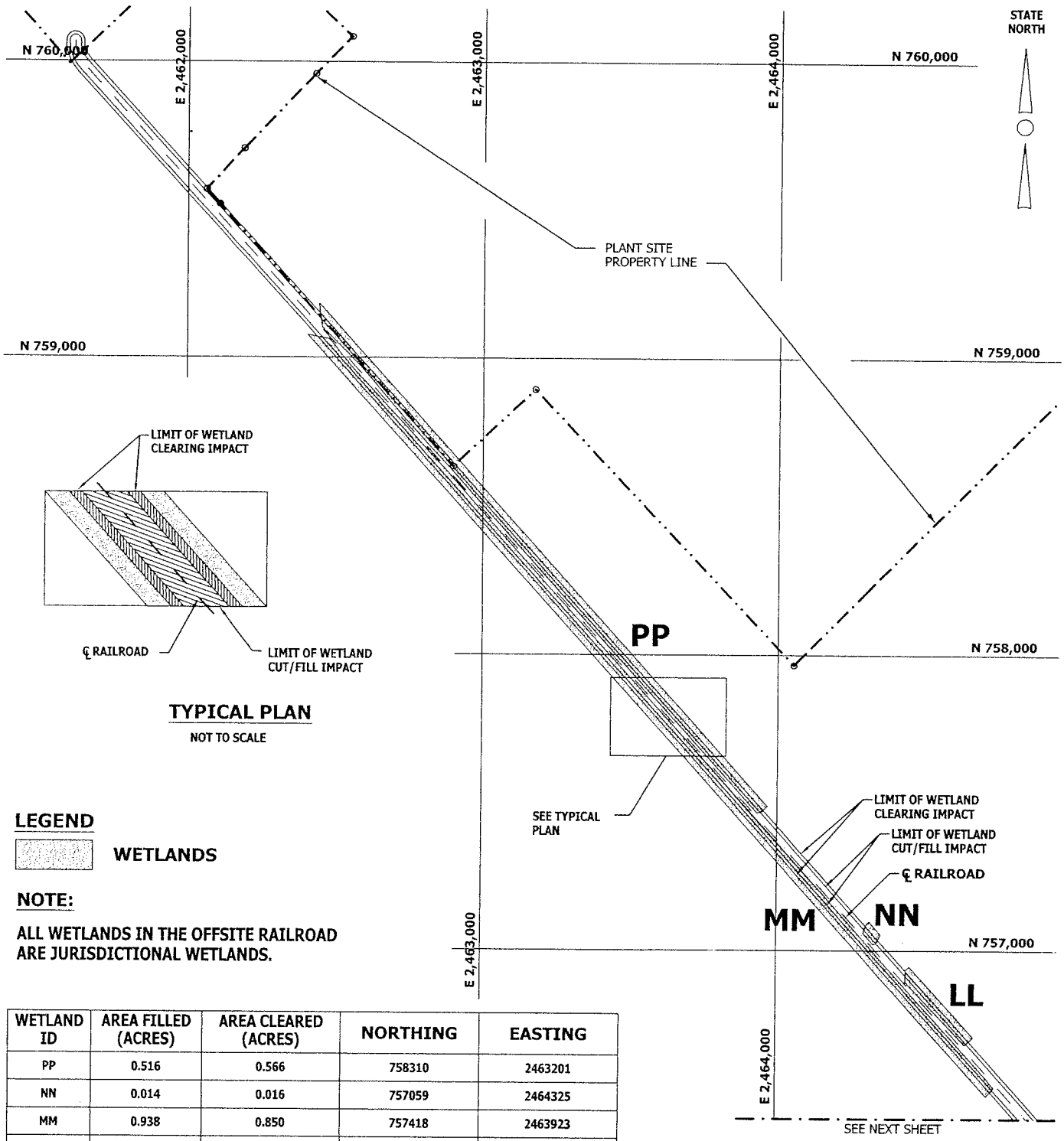
SCALE: VARIES

DATE: 11/16/2006

SHT. 22 OF 46




| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: N.T.S. | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 23 OF 46 |




**LEGEND**

WETLANDS

**NOTE:**

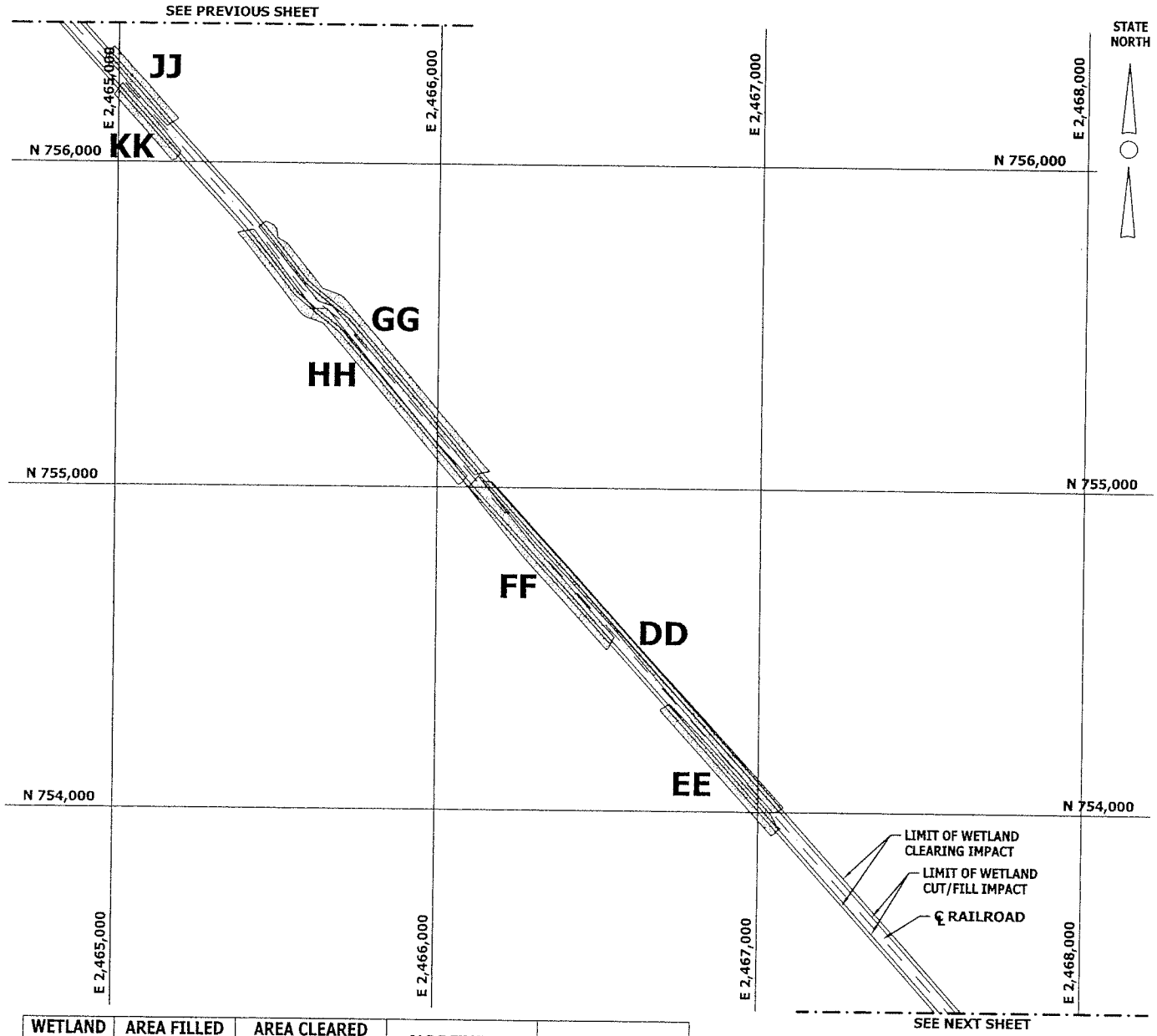
ALL WETLANDS IN THE OFFSITE RAILROAD ARE JURISDICTIONAL WETLANDS.

| WETLAND ID | AREA FILLED (ACRES) | AREA CLEARED (ACRES) | NORTHING | EASTING |
|---|---|---|---|---|
| PP | 0.516 | 0.566 | 758310 | 2463201 |
| NN | 0.014 | 0.016 | 757059 | 2464325 |
| MM | 0.938 | 0.850 | 757418 | 2463923 |
| LL | 0.073 | 0.077 | 756808 | 2464551 |

# PROPOSED OFFSITE RAILROAD

SC-pede-1-dw-sc-735-0120.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 500' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 24 OF 46 |




| WETLAND ID | AREA FILLED (ACRES) | AREA CLEARED (ACRES) | NORTHING | EASTING |
|---|---|---|---|---|
| KK | 0.074 | 0.068 | 756124 | 2465090 |
| JJ | 0.079 | 0.076 | 756234 | 2465069 |
| HH | 0.137 | 0.262 | 755415 | 2465741 |
| GG | 0.250 | 0.251 | 755430 | 2465807 |
| FF | 0.284 | 0.158 | 754767 | 2466328 |
| DD | 0.339 | 0.378 | 754517 | 2466610 |
| EE | 0.112 | 0.133 | 754131 | 2466885 |

**LEGEND**

WETLANDS

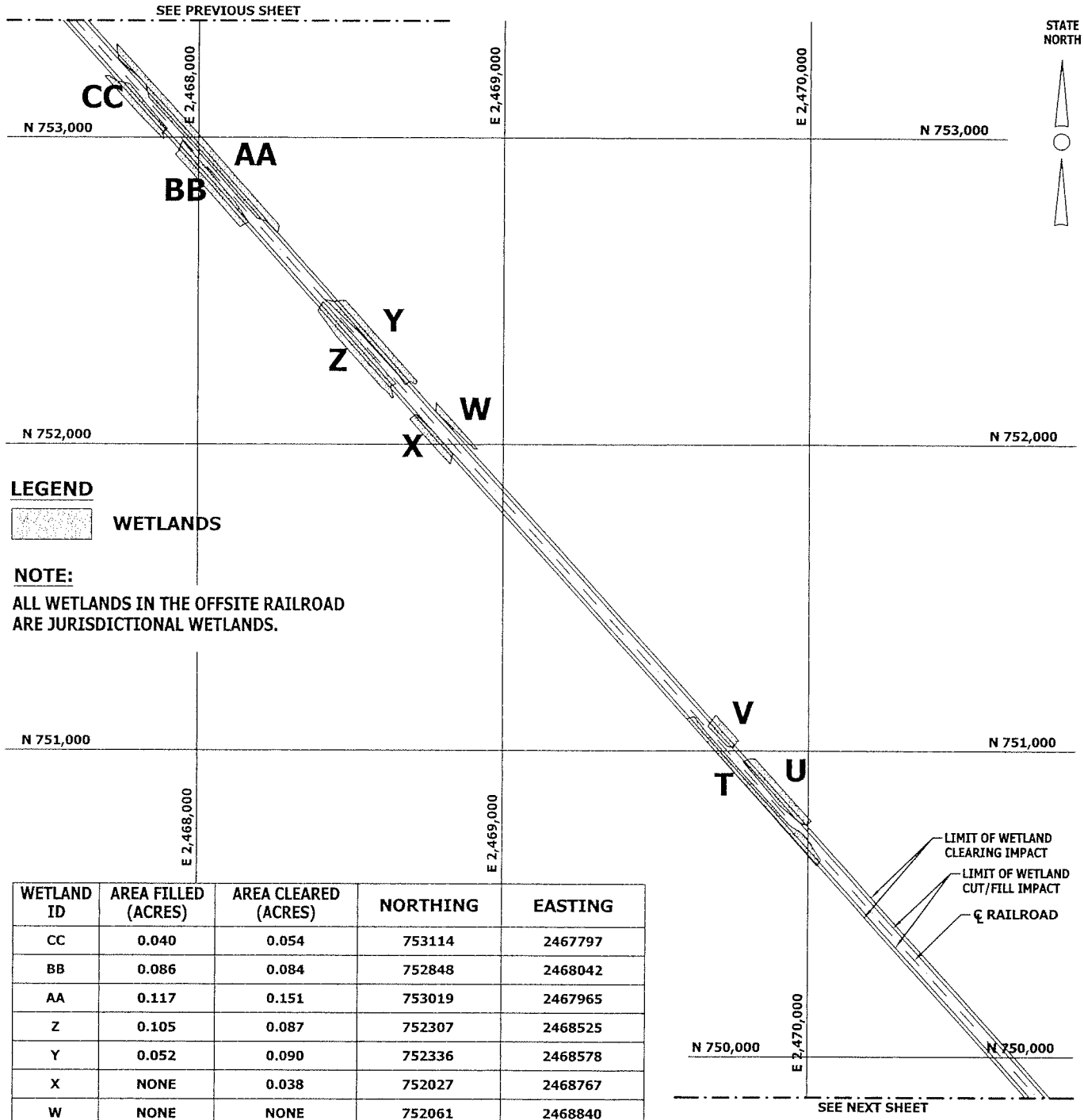
**NOTE:**

ALL WETLANDS IN THE OFFSITE RAILROAD ARE JURISDICTIONAL WETLANDS.

# PROPOSED OFFSITE RAILROAD

SC-pede-1-dw-sc-735-0121.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 500' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 25 OF 46 |

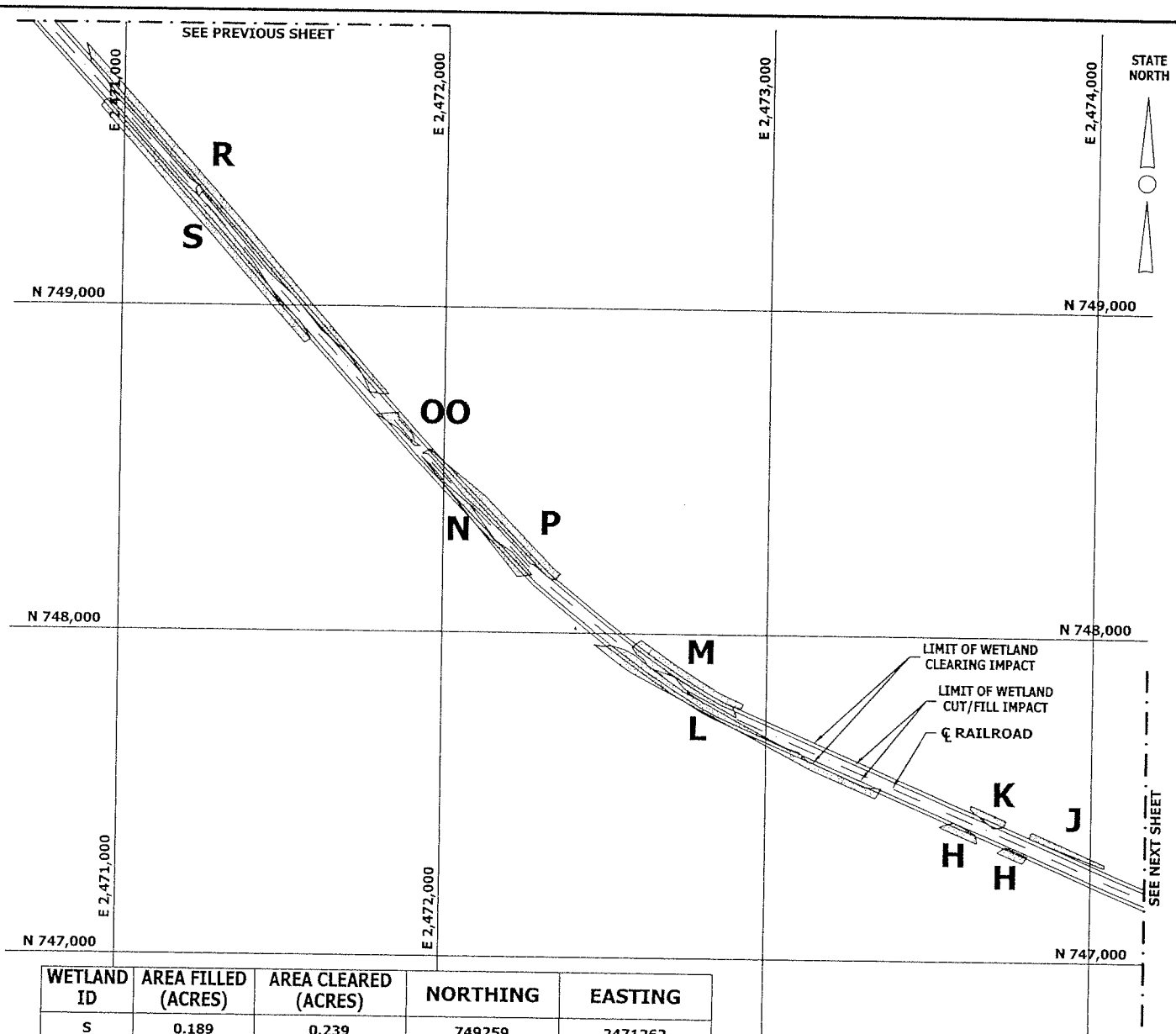



| WETLAND ID | AREA FILLED (ACRES) | AREA CLEARED (ACRES) | NORTHING | EASTING |
|---|---|---|---|---|
| CC | 0.040 | 0.054 | 753114 | 2467797 |
| BB | 0.086 | 0.084 | 752848 | 2468042 |
| AA | 0.117 | 0.151 | 753019 | 2467965 |
| Z | 0.105 | 0.087 | 752307 | 2468525 |
| Y | 0.052 | 0.090 | 752336 | 2468578 |
| X | NONE | 0.038 | 752027 | 2468767 |
| W | NONE | NONE | 752061 | 2468840 |
| V | 0.025 | 0.028 | 751061 | 2469720 |
| U | 0.045 | 0.069 | 750867 | 2469899 |
| T | 0.142 | 0.156 | 750867 | 2469827 |

# PROPOSED OFFSITE RAILROAD

SC-pede-1-dw-sc-735-0122.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 16,000' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 26 OF 46 |




| WETLAND ID | AREA FILLED (ACRES) | AREA CLEARED (ACRES) | NORTHING | EASTING |
|---|---|---|---|---|
| S | 0.189 | 0.239 | 749259 | 2471262 |
| R | 0.181 | 0.321 | 749272 | 2471330 |
| OO | 0.070 | 0.004 | 748628 | 2471868 |
| P | 0.132 | 0.121 | 748367 | 2472149 |
| N | 0.087 | 0.070 | 748358 | 2472090 |
| M | 0.107 | 0.089 | 747855 | 2472756 |
| L | 0.191 | 0.170 | 747727 | 2472898 |
| K | 0.002 | 0.014 | 747450 | 2473681 |
| J | NONE | NONE | 747346 | 2473929 |
| H | NONE | 0.023 | 747401<br>747332 | 2473603<br>2473761 |

**LEGEND**

WETLANDS

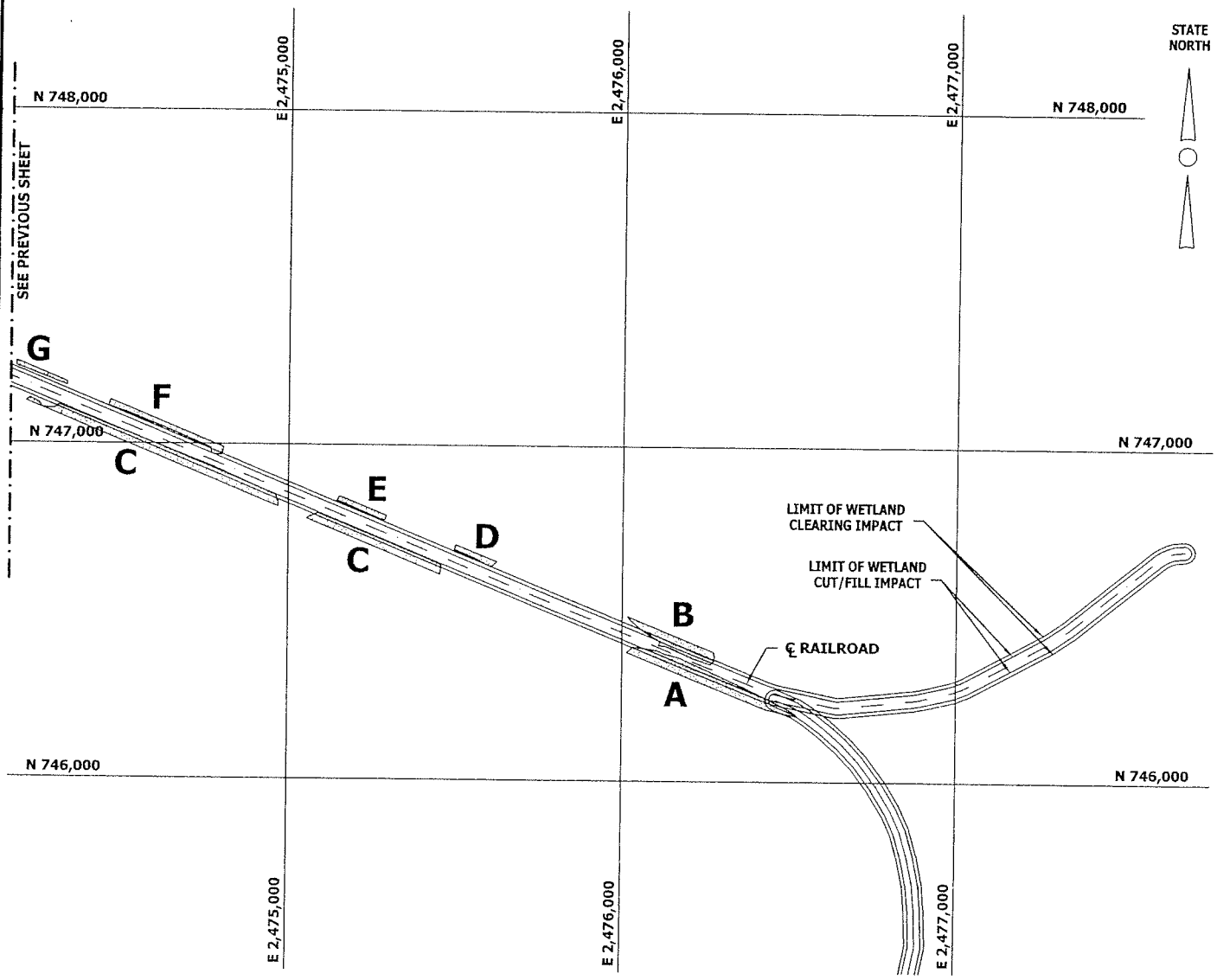
**NOTE:**

ALL WETLANDS IN THE OFFSITE RAILROAD ARE JURISDICTIONAL WETLANDS.

SC-pede-1-dw-sc-735-0123.dwg

# PROPOSED OFFSITE RAILROAD

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 16,000' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 27 OF 46 |




| WETLAND ID | AREA FILLED (ACRES) | AREA CLEARED (ACRES) | NORTHING | EASTING |
|---|---|---|---|---|
| G | NONE | NONE | 747208 | 2474260 |
| F | NONE | 0.007 | 747048 | 2474647 |
| E | NONE | NONE | 746811 | 2475219 |
| D | NONE | NONE | 746670 | 2475557 |
| C | NONE | 0.083 | 746998<br>746610 | 2474561<br>2475260 |
| B | 0.032 | 0.056 | 746409 | 2476167 |
| A | 0.066 | 0.112 | 746322 | 2476226 |

**LEGEND**

WETLANDS

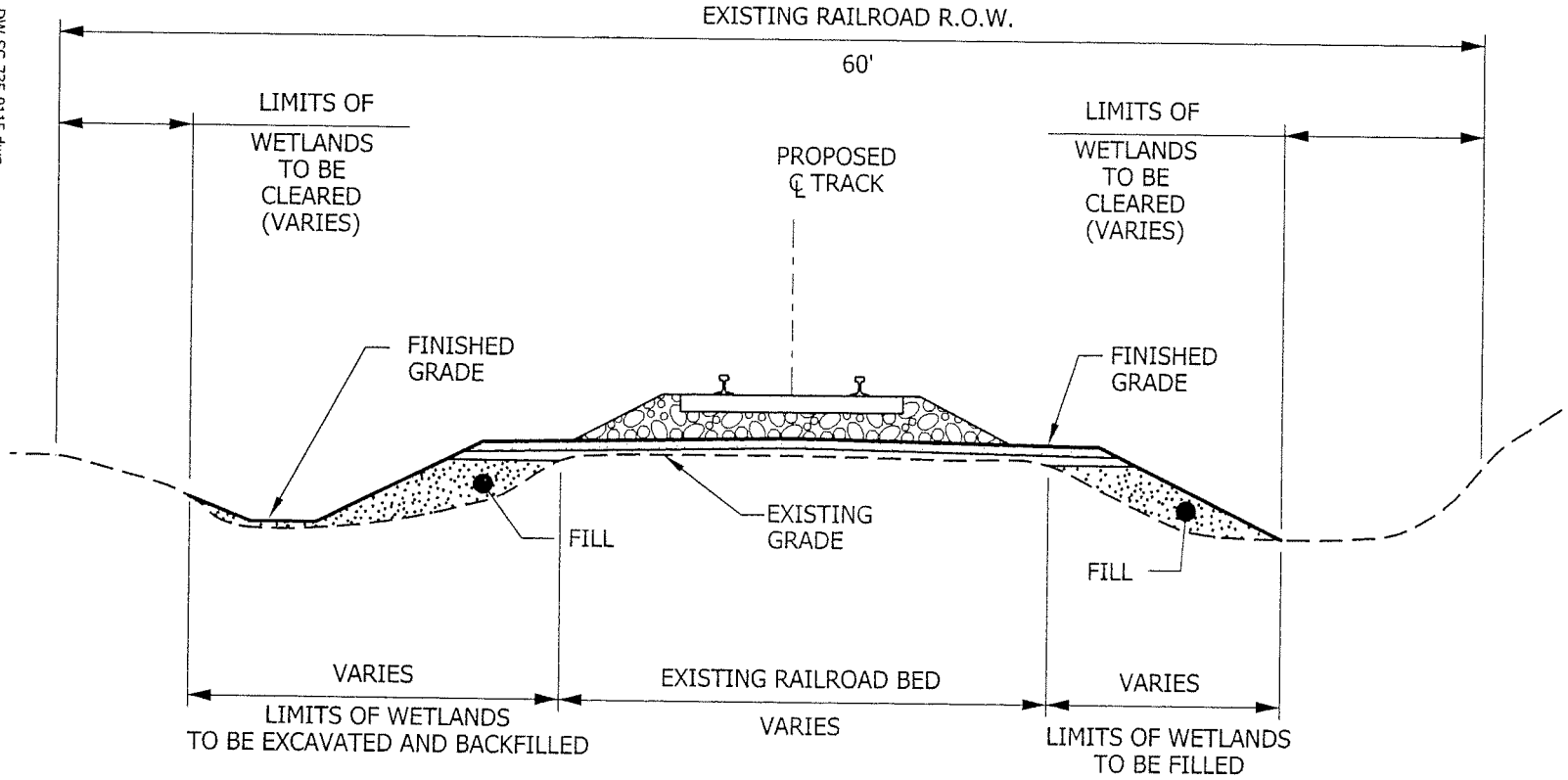
**NOTE:**

ALL WETLANDS IN THE OFFSITE RAILROAD ARE JURISDICTIONAL WETLANDS.

SC-pede-1-dw-sc-735-0124.dwg

# PROPOSED OFFSITE RAILROAD

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 16,000' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 28 OF 46 |




NOTES:

1. TYPICAL SECTION DEPICTS WETLAND IMPACTS ON BOTH SIDES OF THE PROPOSED TRACK. SOME WETLAND AREAS ARE IMPACTED ON ONE SIDE OF THE TRACK ONLY.
2. FOR WETLANDS LOCATIONS SEE OFFSITE RAILROAD PLANS.

## TYPICAL RAILROAD SECTION

NOT TO SCALE

# WETLANDS FILL - OFFSITE RAILROAD

PEDE-1-DW-SC-735-0115.dwg

APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER)

PROJECT: PEE DEE STATION & ANCILLARY FACILITIES

LOCATION: FLORENCE COUNTY, SOUTH CAROLINA

P/N:

PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY

LAT: N 33° 55' 27.4"

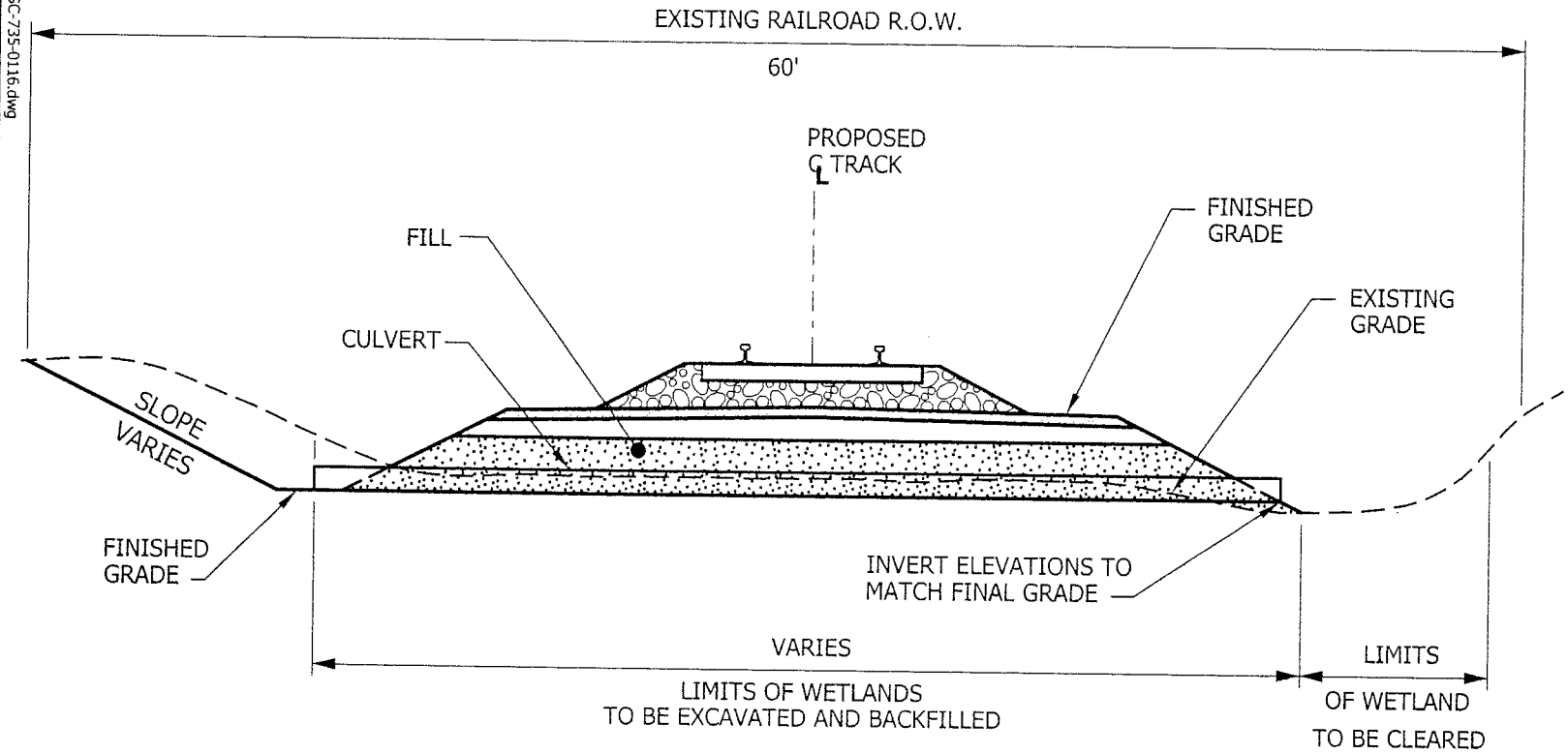
LONG: W 79° 29' 36.5"

SCALE:

DATE: 11/16/06

SHT. 29 OF 46

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |



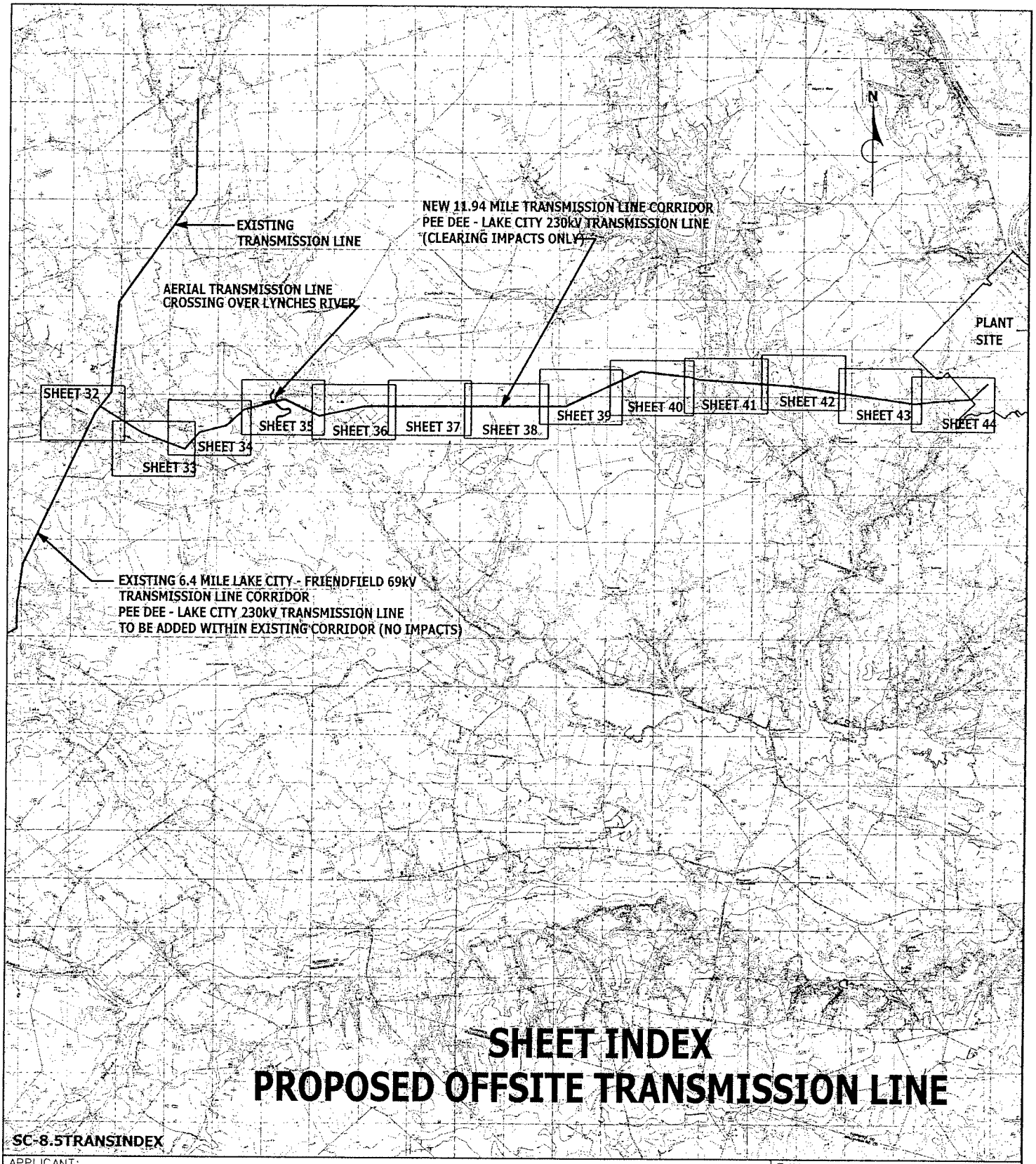

**TYPICAL RAILROAD CULVERT SECTION**

NOT TO SCALE

# WETLANDS FILL - OFFSITE RAILROAD WATER CROSSING

| | |
|---|---|
| PEDE-1-DW-SC-735-0116.dwg | |
| APPLICANT: | SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) |
| PROJECT: | PEE DEE STATION & ANCILLARY FACILITIES |
| LOCATION: | FLORENCE COUNTY, SOUTH CAROLINA |
| PURPOSE: | GENERATION & TRANSMISSION OF ELECTRICITY |
| LAT: | N 33° 55' 27.4" |
| LONG: | W 79° 29' 36.5" |
| P/N: | |
| SCALE: | |
| DATE: | 11/16/06 |
| SHT. | 30 OF 46 |

| REV | DATE | DESCRIPTION |
|---|---|---|
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT |

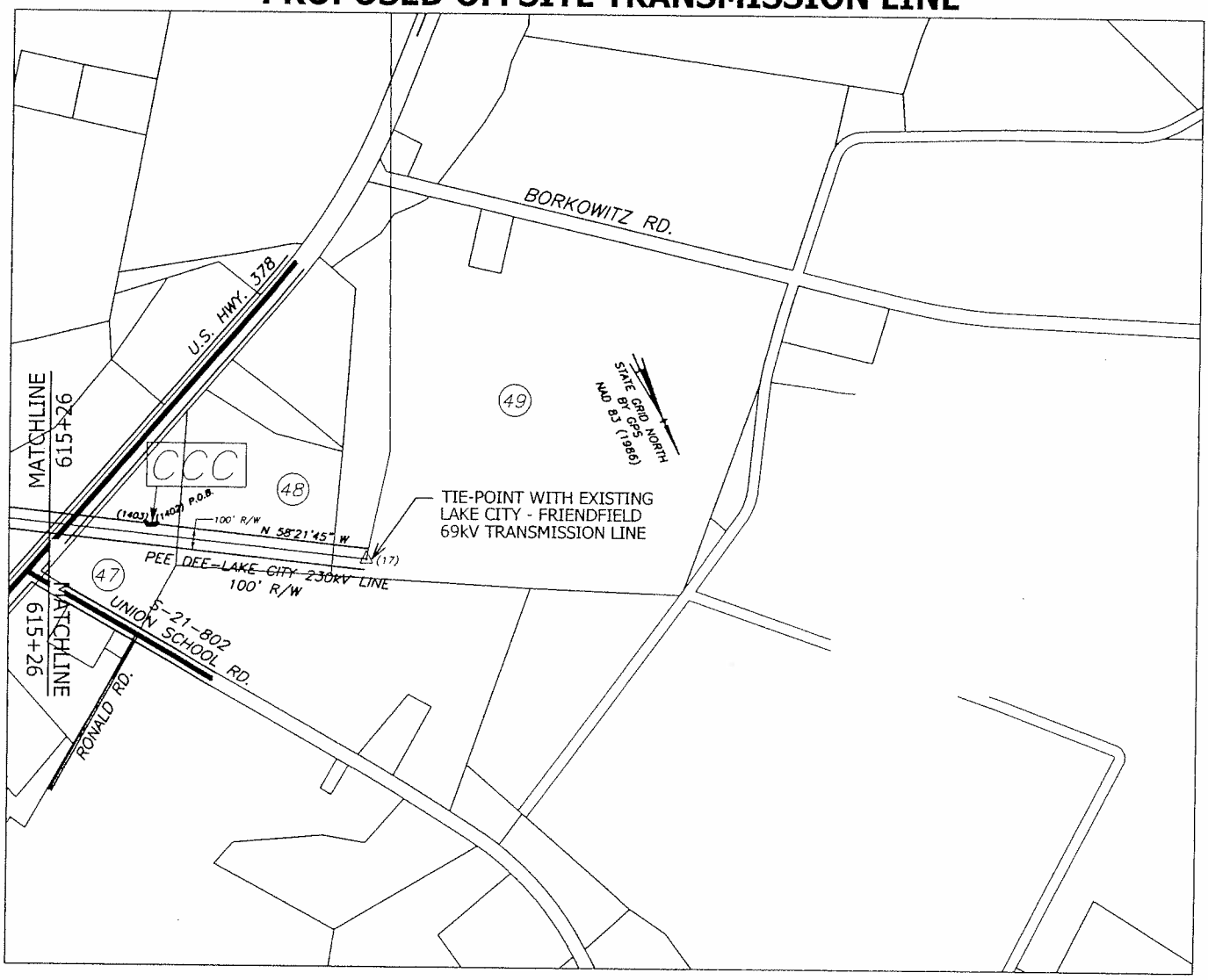



# SHEET INDEX
# PROPOSED OFFSITE TRANSMISSION LINE

SC-8.5TRANSINDEX

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: N.T.S. | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 31 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

WETLAND CCC IS AN ISOLATED, NON-JURISDICTIONAL WETLAND WITHIN AN EXISTING AGRICULTURAL FIELD AND DOES NOT REQUIRE CLEARING.

800 0 800 1600

SCALE FEET

SC-6145-F02-5102-13.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 32 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE

CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

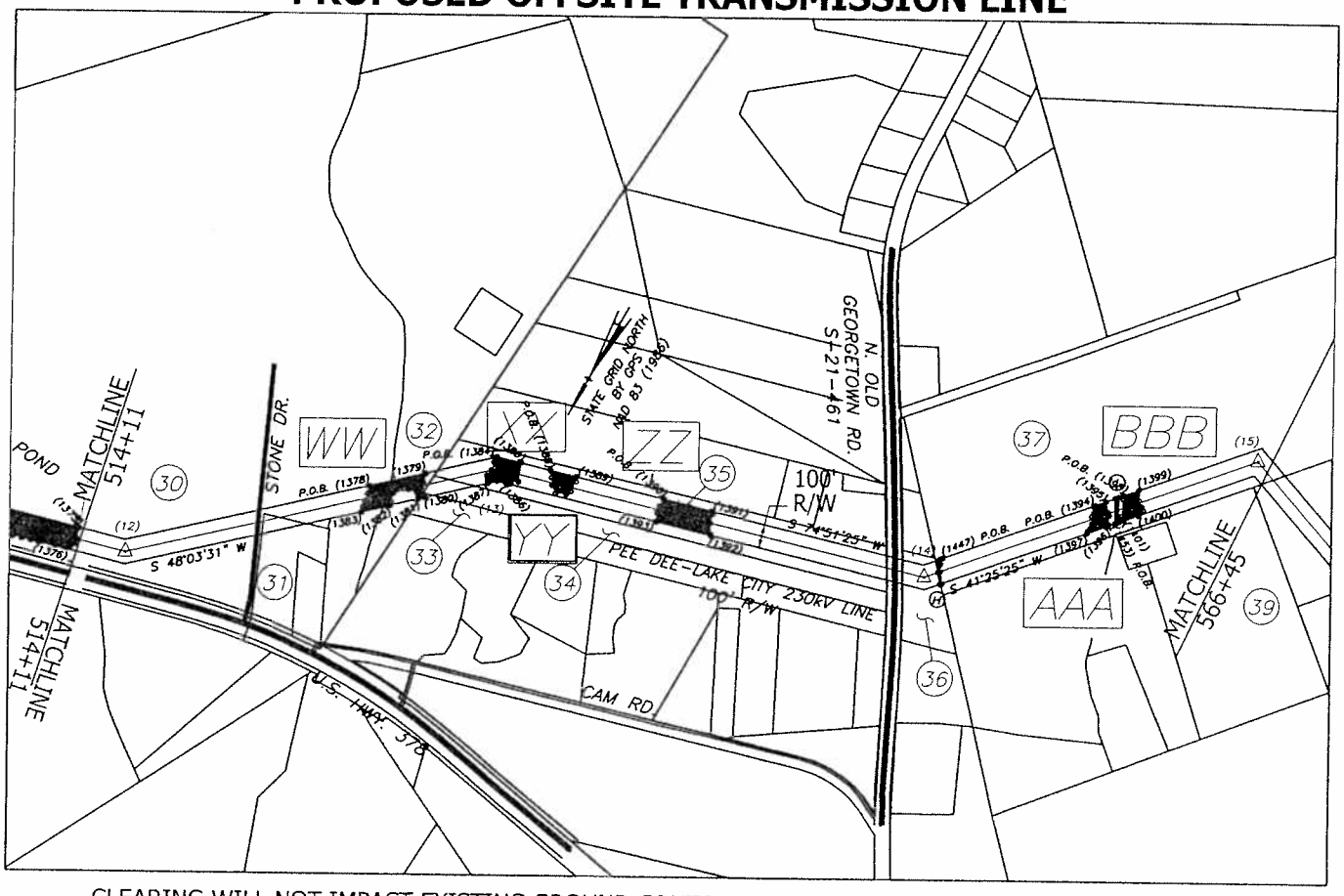
NO IMPACTS IN THIS AREA.
(SHEET INCLUDED FOR CONTINUITY.)

800 0 800 1600
SCALE FEET

SC-6145-F02-5102-12.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 33 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| WW | 760,487.75 | 2,404,701.86 | 0.44 ACRES |
| XX | 760,121.50 | 2,404,294.27 | 0.26 ACRES |
| YY | 760,053.79 | 2,404,063.28 | 0.17 ACRES |
| ZZ | 759,925.16 | 2,403,587.96 | 0.52 ACRES |
| AAA | 759,052.01 | 2,401,980.64 | 0.16 ACRES |
| BBB | 758,955.12 | 2,401,895.14 | 0.17 ACRES |
| DITCH H | 759,563.65 | 2,402,432.08 | 0.02 ACRES |
| DITCH I | 759,077.44 | 2,401,869.71 | 0.04 ACRES |

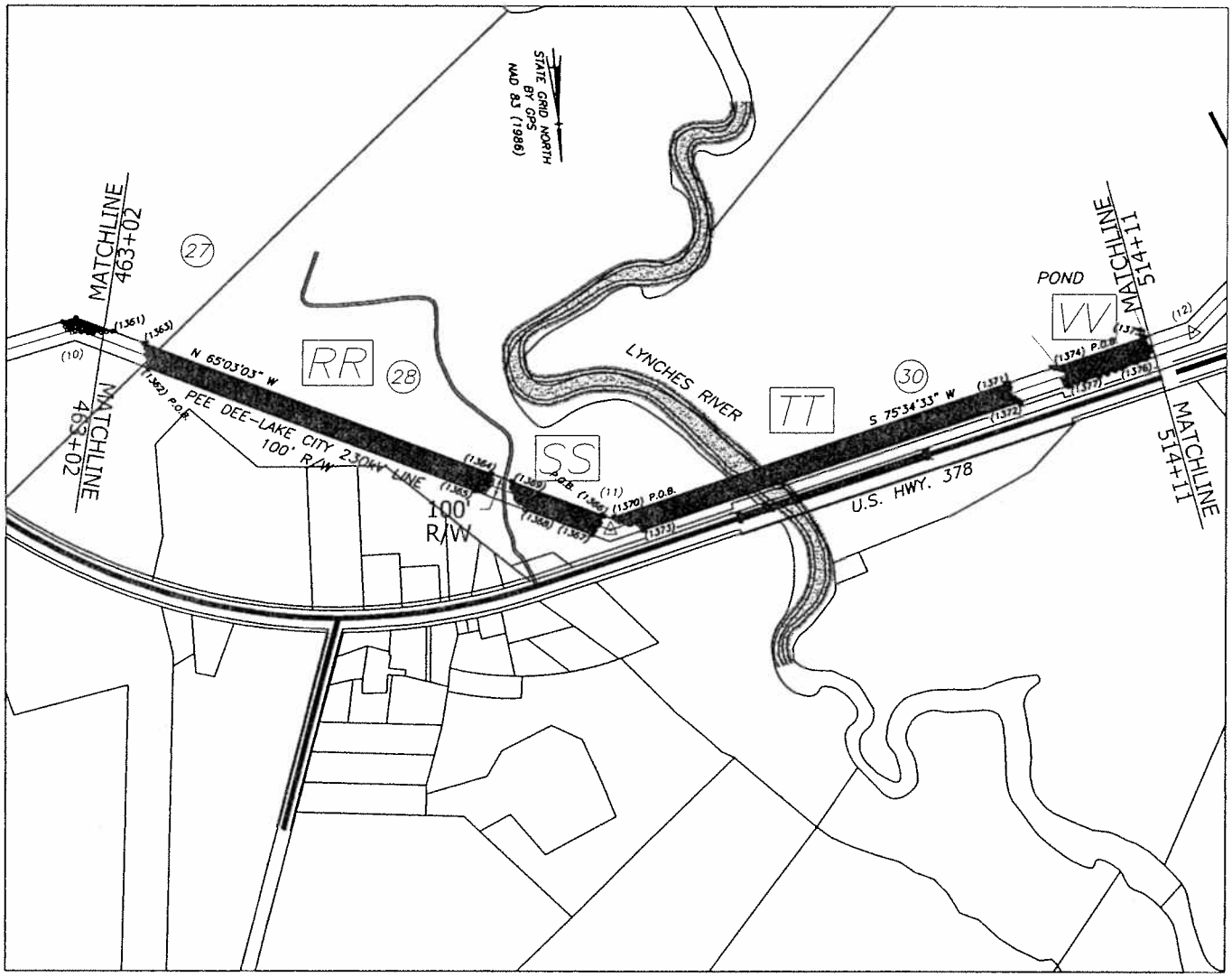
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-11.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 34 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| RR | 761,039.09 | 2,410,254.09 | 3.84 ACRES |
| SS | 761,876.10 | 2,408,217.90 | 0.91 ACRES |
| TT | 761,885.43 | 2,408,176.49 | 4.25 ACRES |
| VV | 761,352.48 | 2,406,104.42 | 0.92 ACRES |

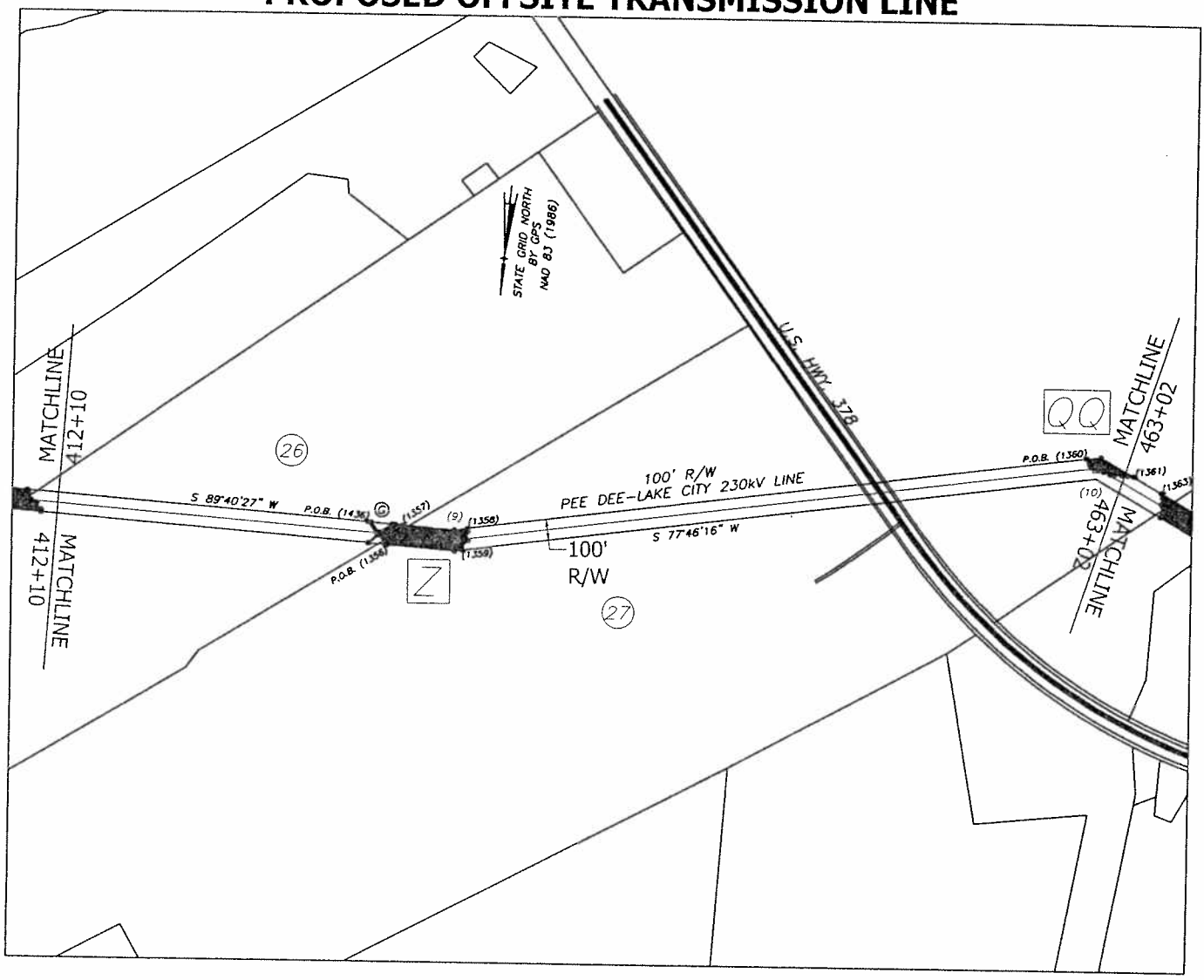
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-10.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 35 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| Z | 761,541.23 | 2,413,888.56 | 0.84 ACRES |
| QQ | 760,799.73 | 2,410,625.90 | 0.19 ACRES |

JURISDICTIONAL DITCH "G" IS AGRICULTURAL FIELD - NO CLEARING IS REQUIRED.

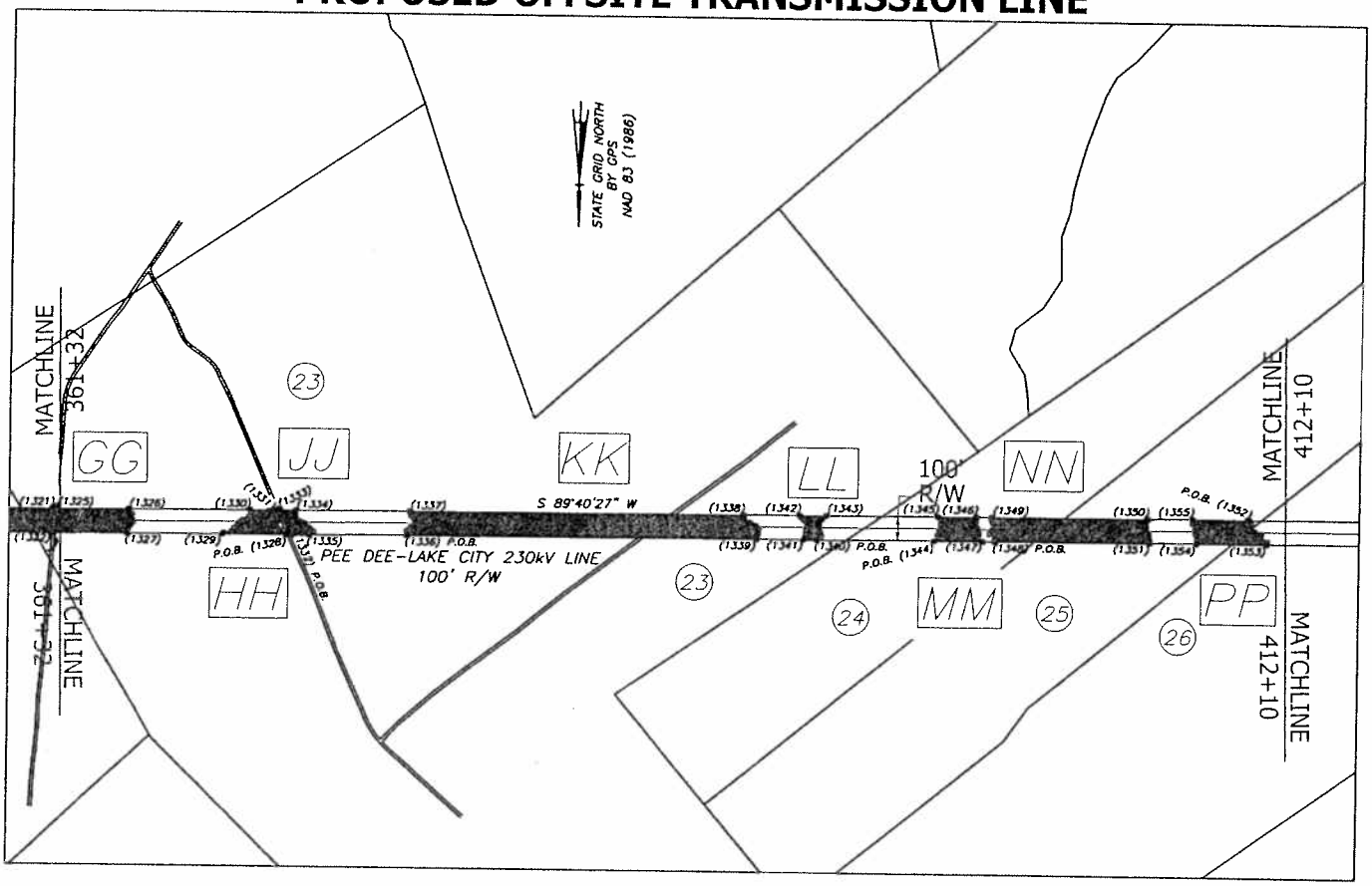
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-09.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 36 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

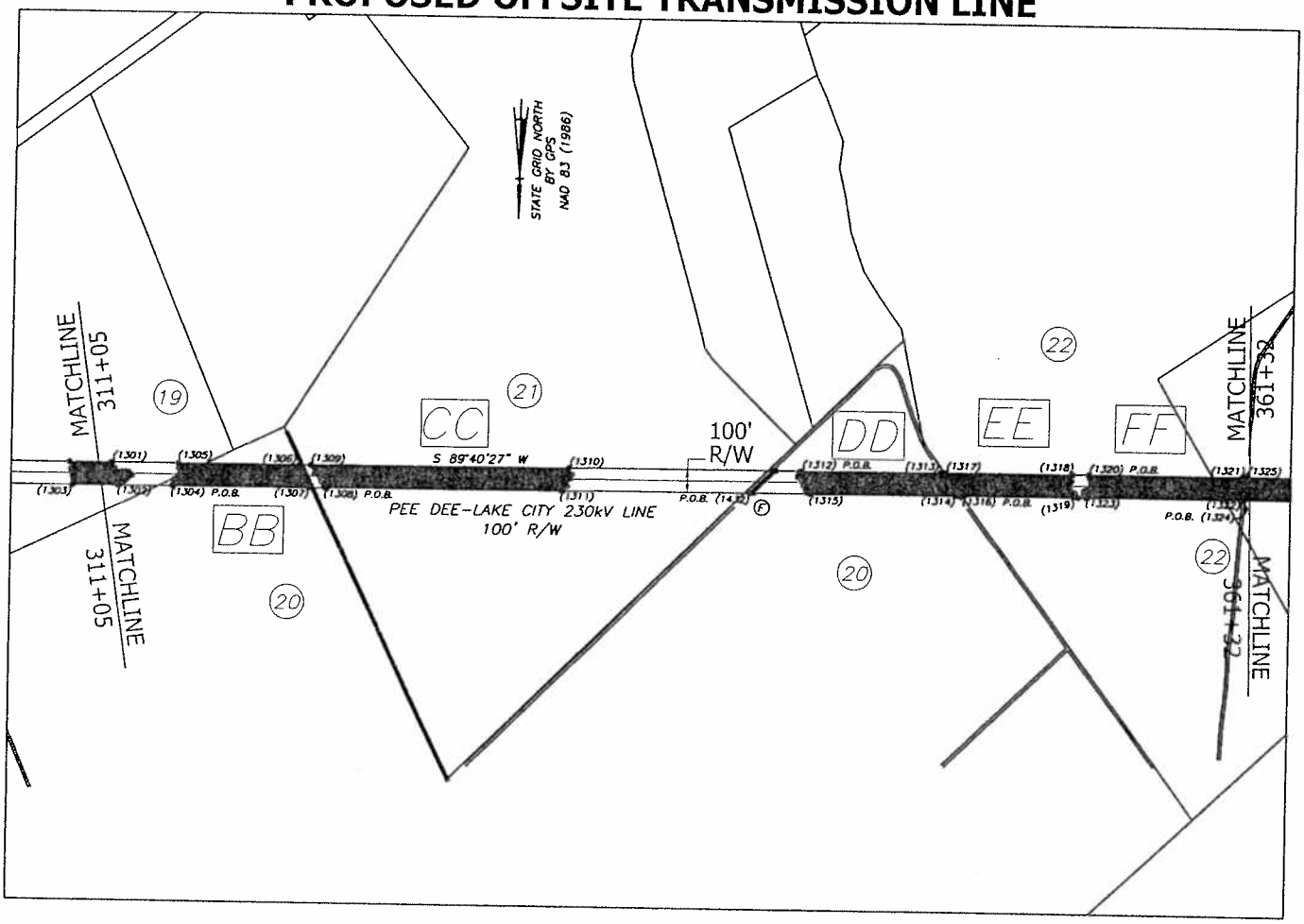
| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| GG | 761,579.19 | 2,420,561.42 | 0.71 ACRES |
| HH | 761,573.74 | 2,419,602.93 | 0.37 ACRES |
| JJ | 761,573.63 | 2,419,583.73 | 0.16 ACRES |
| KK | 761,570.89 | 2,419,102.89 | 3.26 ACRES |
| LL | 761,561.24 | 2,417,405.47 | 0.14 ACRES |
| MM | 761,558.45 | 2,416,915.90 | 0.37 ACRES |
| NN | 761,557.03 | 2,416,665.69 | 1.49 ACRES |
| PP | 761,451.02 | 2,415,609.53 | 0.59 ACRES |

800 0 800 1600
SCALE FEET

SC-6145-F02-5102-08.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 37 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| BB | 761,605.84 | 2,425,247.12 | 1.28 ACRES |
| CC | 761,602.04 | 2,424,578.20 | 2.51 ACRES |
| DD | 761,490.22 | 2,422,500.27 | 1.47 ACRES |
| EE | 761,586.16 | 2,421,787.37 | 1.18 ACRES |
| FF | 761,483.08 | 2,421,244.86 | 1.55 ACRES |
| DITCH F | 761,591.44 | 2,422,715.59 | 0.03 ACRES |

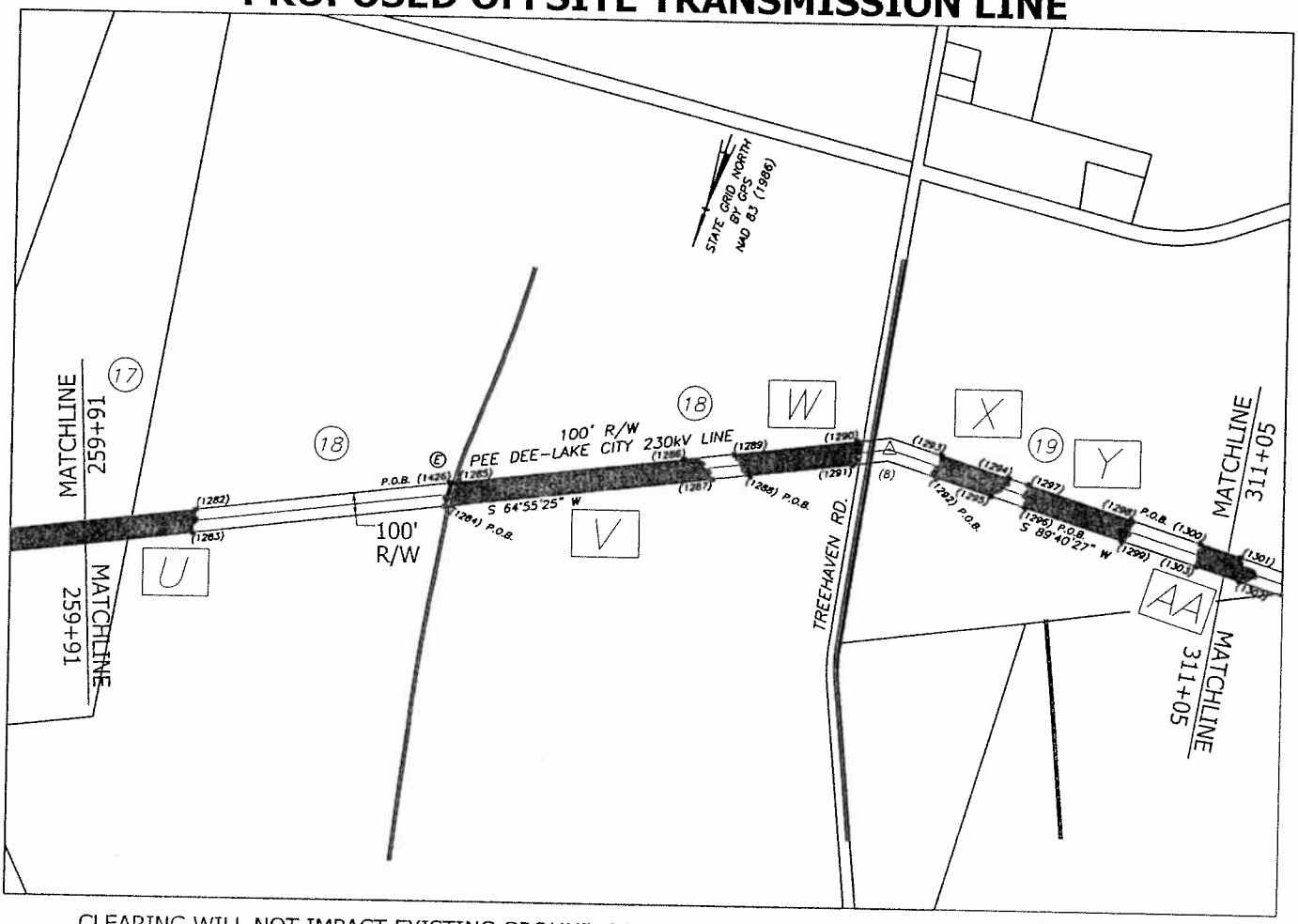
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-07.dwg

| | | | |
|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 38 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| U | 763,731.70 | 2,431,632.01 | 4.35 ACRES |
| V | 762,430.96 | 2,428,852.25 | 2.51 ACRES |
| W | 761,876.17 | 2,427,666.65 | 1.17 ACRES |
| X | 761,615.18 | 2,426,888.17 | 0.65 ACRES |
| Y | 761,612.86 | 2,426,480.78 | 1.07 ACRES |
| AA | 761,508.41 | 2,425,699.03 | 0.49 ACRES |
| DITCH E | 762,341.32 | 2,428,896.64 | 0.02 ACRES |

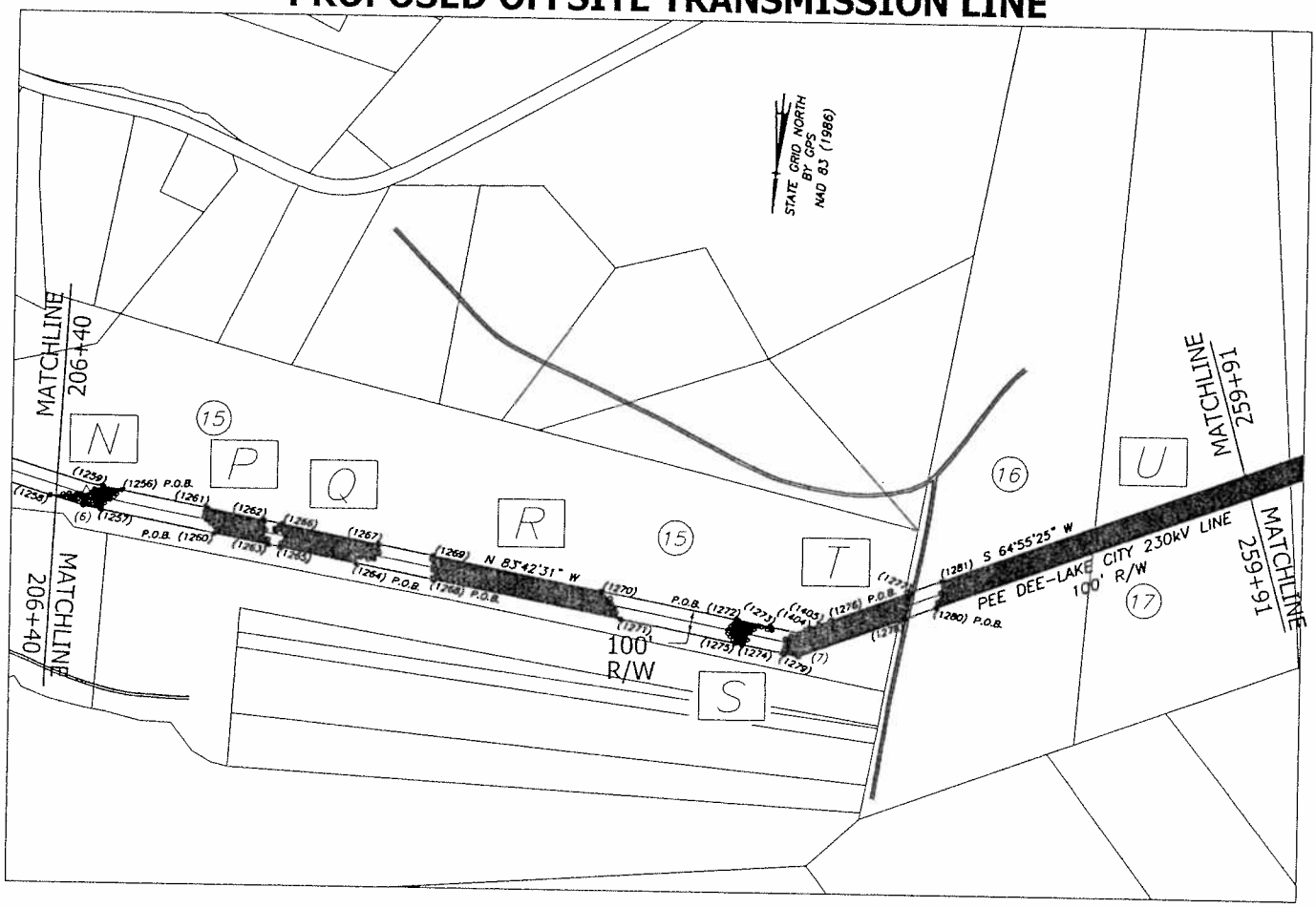
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-06.dwg

| | | | |
|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' / LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 / SHT. 39 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

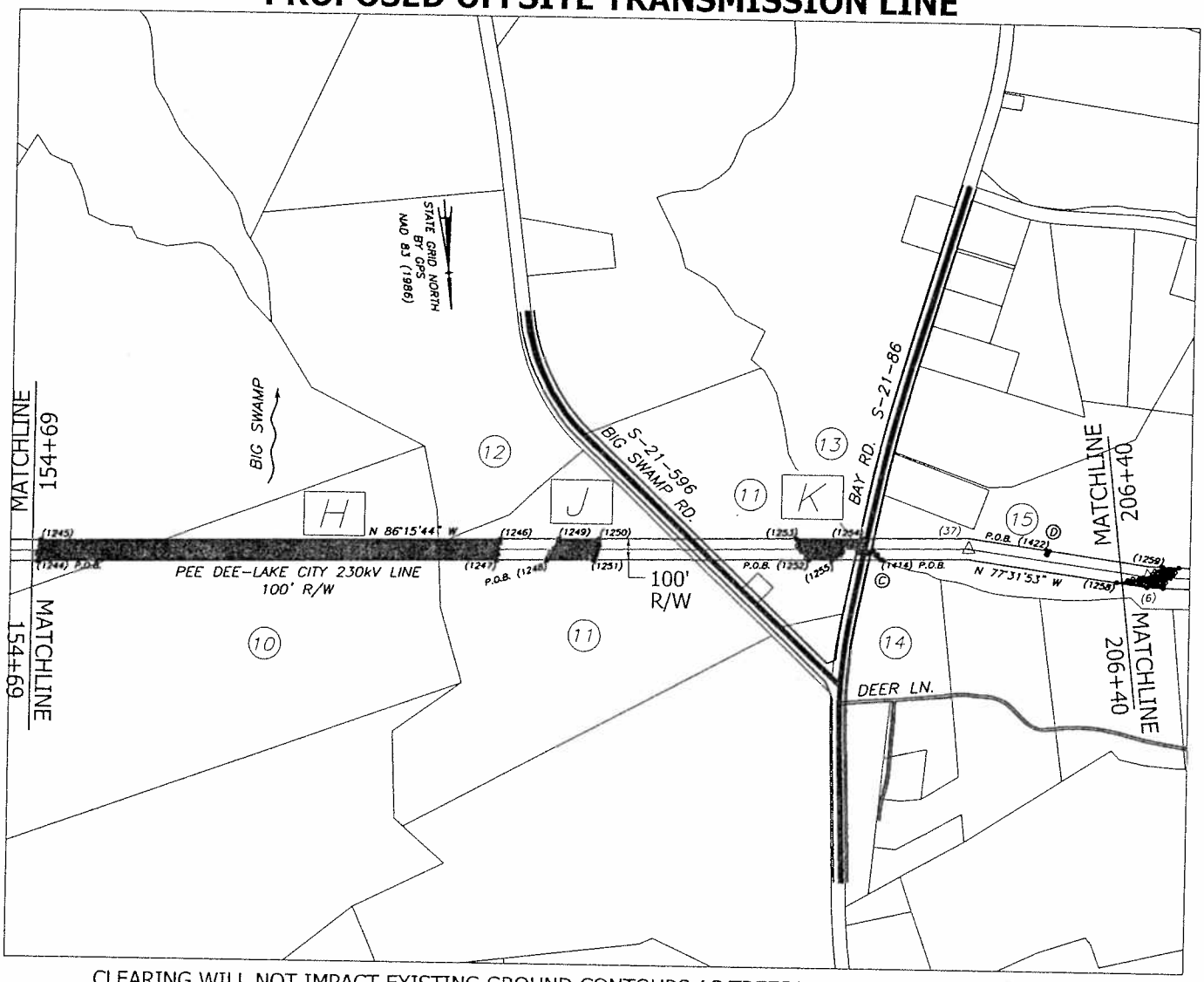
| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| N | 763,570.12 | 2,435,200.07 | 0.30 ACRES |
| P | 763,716.92 | 2,434,781.14 | 0.57 ACRES |
| Q | 763,786.02 | 2,434,154.33 | 0.92 ACRES |
| R | 763,823.04 | 2,433,818.57 | 1.81 ACRES |
| S | 763,869.94 | 2,432,480.56 | 0.20 ACRES |
| T | 763,832.88 | 2,432,084.19 | 1.23 ACRES |
| U | 763,731.70 | 2,431,632.01 | 4.35 ACRES |

800 0 800 1600
SCALE FEET

SC-6145-F02-5102-05.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 40 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| H | 763,179.53 | 2,440,602.41 | 5.01 ACRES |
| J | 763,337.35 | 2,438,186.66 | 0.47 ACRES |
| K | 763,418.27 | 2,436,948.08 | 0.53 ACRES |
| DITCH C | 763,440.79 | 2,436,603.27 | 0.01 ACRES |

JURISDICTIONAL DITCH "D" IS AGRICULTURAL FIELD - NO CLEARING IS REQUIRED.

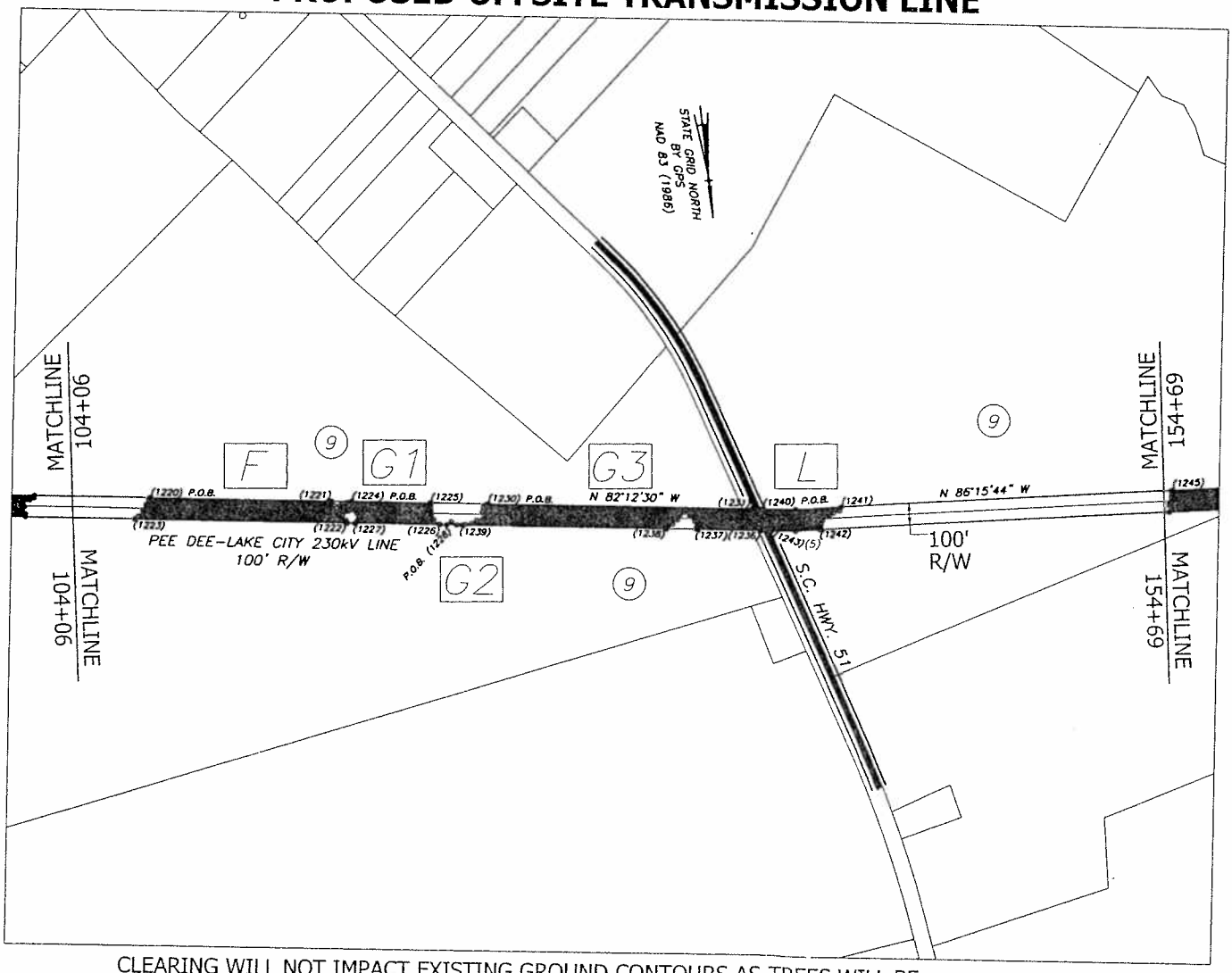
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-04.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 41 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| F | 762,560.68 | 2,445,291.69 | 2.08 ACRES |
| G1 | 762,687.70 | 2,444,363.45 | 0.86 ACRES |
| G2 | 762,847.03 | 2,443,936.68 | 0.01 ACRES |
| G3 | 762,773.25 | 2,443,738.30 | 2.79 ACRES |
| L | 762,946.02 | 2,442,475.69 | 0.64 ACRES |

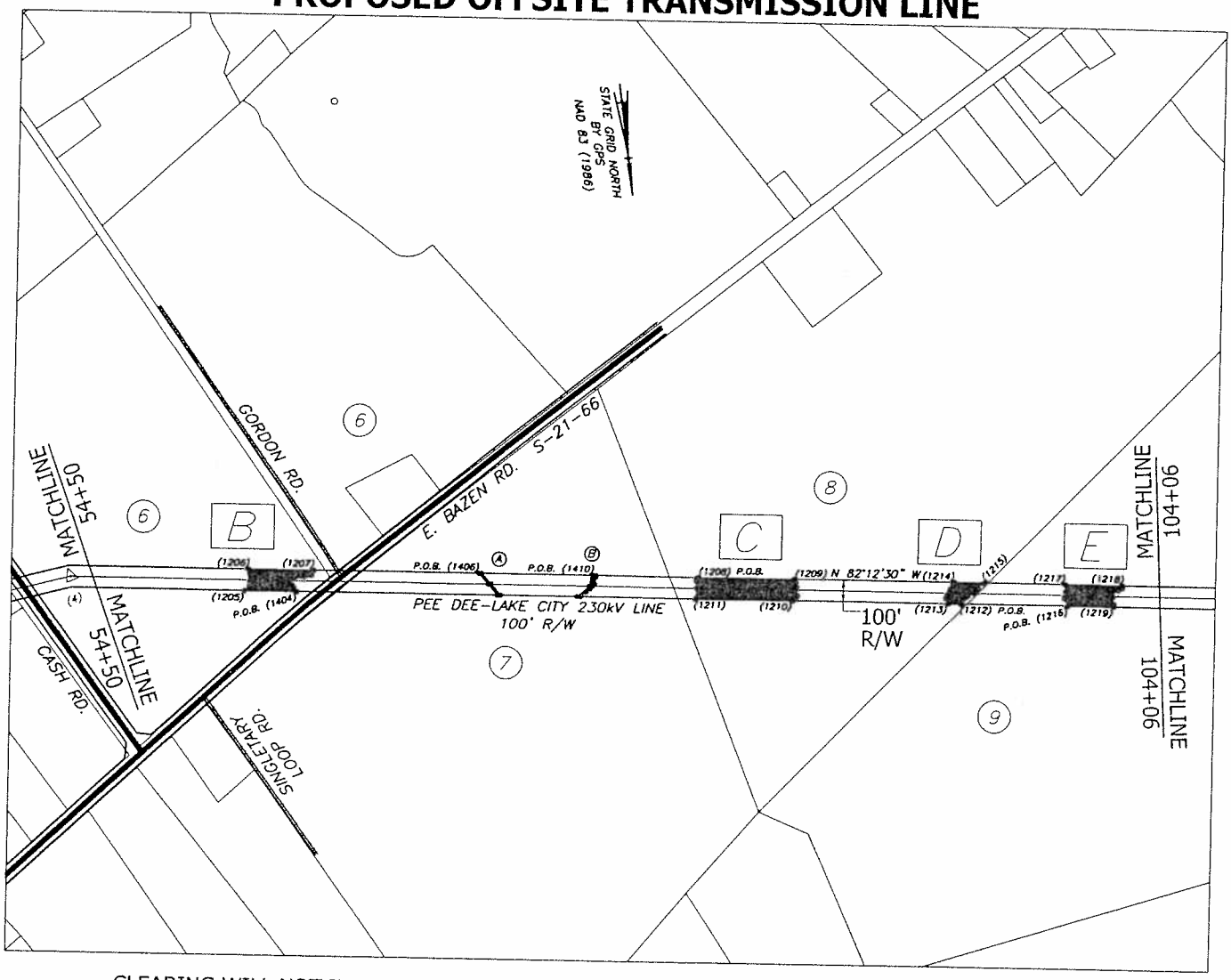
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-03.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 42 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE




CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| B | 762,067.70 | 2,449,631.98 | 0.52 ACRES |
| C | 762,221.10 | 2,447,773.33 | 1.06 ACRES |
| D | 762,486.57 | 2,446,570.94 | 0.24 ACRES |
| E | 762,553.83 | 2,446,079.39 | 0.24 ACRES |

JURISDICTIONAL DITCHES "A" & "B" ARE AGRICULTURAL FIELD - NO CLEARING IS REQUIRED.

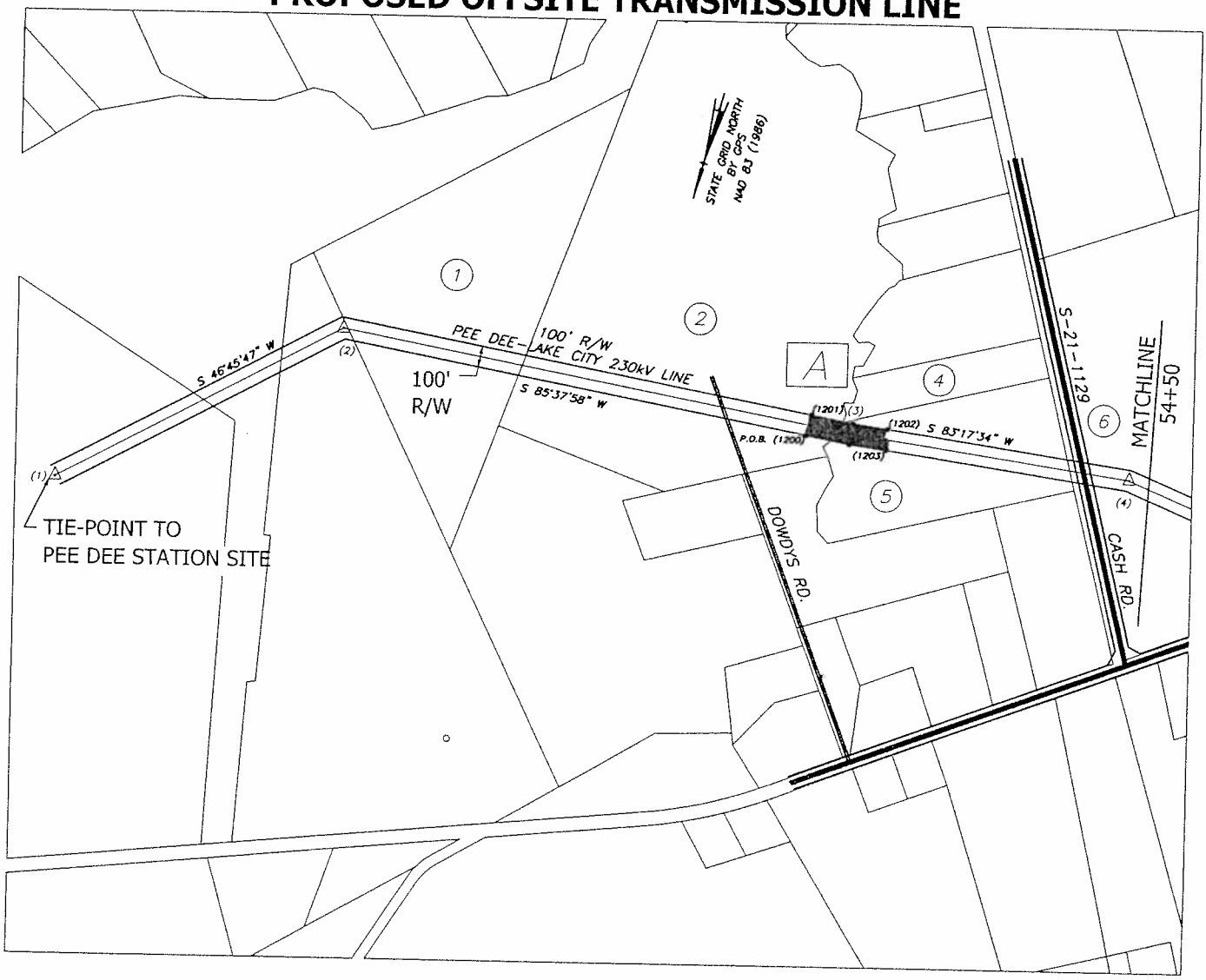
800 0 800 1600

SCALE FEET

SC-6145-F02-5102-02.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 43 OF 46 |

# PROPOSED OFFSITE TRANSMISSION LINE



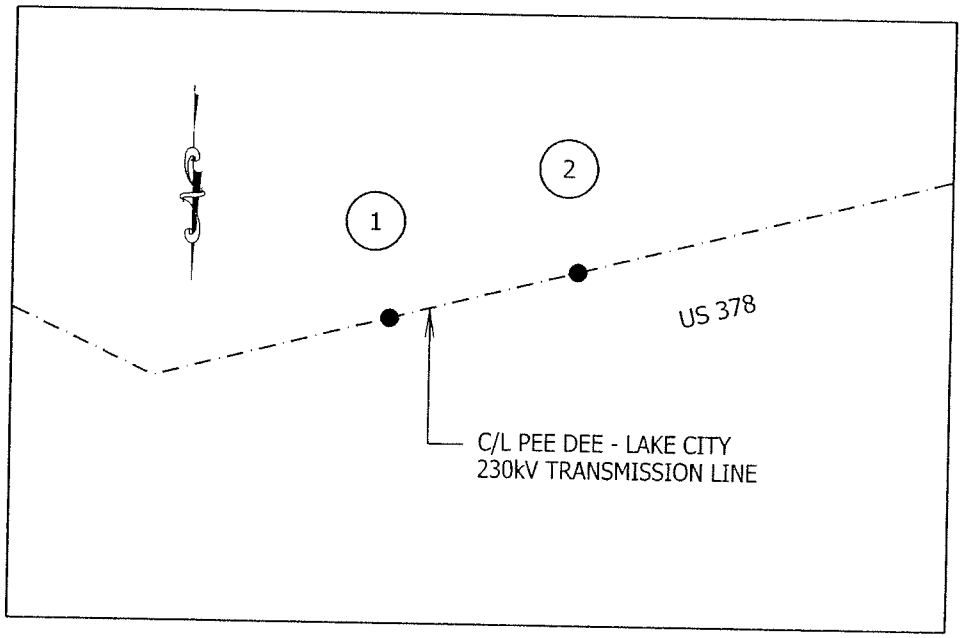

CLEARING WILL NOT IMPACT EXISTING GROUND CONTOURS AS TREES WILL BE REMOVED ABOVE THE ROOT ZONE AND GRUBBING IS NOT REQUIRED.

| WETLAND | NORTHING | EASTING | CLEARING IMPACT |
|---|---|---|---|
| A | 762,098.50 | 2,452,197.63 | 0.84 ACRES |

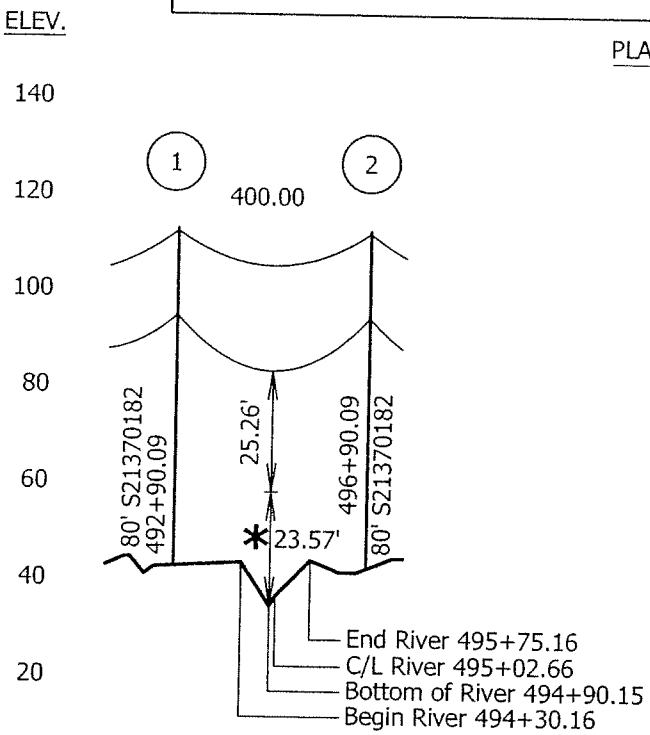
800 0 800 1600
SCALE FEET

SC-6145-F02-5102-01.dwg

| | | | |
|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' / LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 / SHT. 44 OF 46 |




PLAN




C/L CHANNEL - STA. 495+02.66
N = 761,763.87
E = 2,407,503.12
LAT. 33^55'11.198"
LONG. 79^39'23.424"

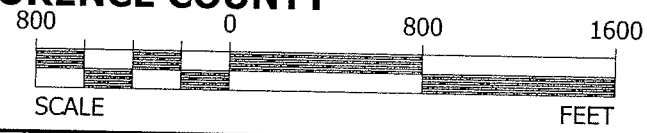
* POWER LINE CROSSING IS 142' FROM THE US 378 BRIDGE, ELEV. 61.57' TOP CONCRETE GIRDER OF THE BRIDGE.

MEAN HIGH WATER MARK = ELEV. 44.1'
MAX HIGH WATER MARK = ELEV. 55.7'

CONDUCTORS:
1272 KCMIL 45/7
SAG AT 200° F.
SHIELD WIRE:
36 FIBER OPGW
AT 60%D F FINAL SAG

**PROFILE**

# PROPOSED OVERHEAD WIRE CROSSING OF LYNCHES RIVER AT HWY. 378 IN FLORENCE COUNTY

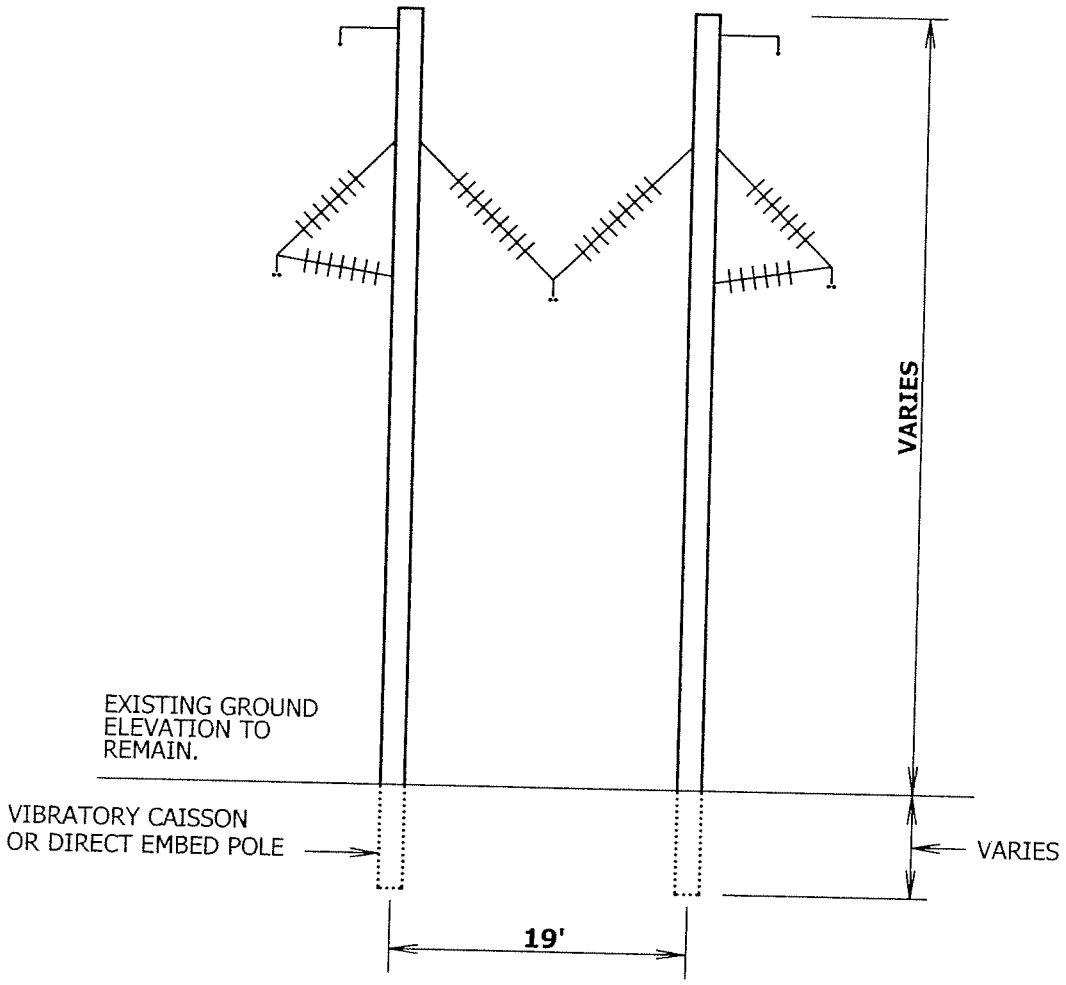



SC-6145-F02-5102-14.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: 1" = 800' | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 45 OF 46 |

NOTES:

1. STRUCTURES WILL NOT BE PLACED IN WETLANDS UNLESS IT IS UNAVOIDABLE.
2. TYPICAL VIBRATORY CAISSON OR DIRECT EMBED POLE DIAMETER WOULD BE APPROXIMATELY 2' - 3'.
3. AN ANGLE STRUCTURE IN WETLANDS WOULD BE SIMILAR TO THIS TANGENT STRUCTURE IMPACT.




# TYPICAL TRANSMISSION LINE STRUCTURE IN WETLAND

SC-6145-F02-5102-14.dwg

| | | | | |
|---|---|---|---|---|
| APPLICANT: SOUTH CAROLINA PUBLIC SERVICE AUTHORITY (SANTEE COOPER) | | | | P/N: |
| PROJECT: PEE DEE STATION & ANCILLARY FACILITIES | | | LOCATION: FLORENCE COUNTY, SOUTH CAROLINA | |
| PURPOSE: GENERATION & TRANSMISSION OF ELECTRICITY | | | | LAT: N 33° 55' 27.4" |
| 1 | 9/9/08 | UPDATED PLANT SITE LAYOUT | SCALE: N.T.S. | LONG: W 79° 29' 36.5" |
| REV | DATE | DESCRIPTION | DATE: 11/16/2006 | SHT. 46 OF 46 |