

**From:** [Estill, Leslie A CIV USARMY CESAC \(USA\)](#)  
**To:** [Wood, Diana](#); [Matthew.Mielke@dot.gov](mailto:Matthew.Mielke@dot.gov); [Omar.Beceiro@uscg.mil](mailto:Omar.Beceiro@uscg.mil)  
**Cc:** [WOCWetlands@dhec.sc.gov](mailto:WOCWetlands@dhec.sc.gov); [QCRMPermitting@dhec.sc.gov](mailto:QCRMPermitting@dhec.sc.gov); [environmental@dnr.sc.gov](mailto:environmental@dnr.sc.gov); [laycock.kelly@epa.gov](mailto:laycock.kelly@epa.gov)  
**Subject:** Agency Coordination for SAC-2016-01395 Modification Request (Palmetto Rail - Camp Hall Project)  
**Date:** Monday, April 29, 2024 1:51:41 PM

---

You don't often get email from [leslie.a.estill@usace.army.mil](mailto:leslie.a.estill@usace.army.mil). [Learn why this is important](#)

Good Afternoon

This is in regard to a request to modify the subject Department of the Army (DA) permit, received in our office on January 17, 2024. DA permit SAC-2016-01395 authorized Palmetto Railways to permanently impact 120.01 acres (ac) of wetland (103.12 ac cut/fill and 16.89 ac clearing) and 537.2 linear feet (lf) of stream (315.2 lf pipe and 222 lf morphologic) for the construction a 22.7 mile-long industrial rail line connecting the CSXT Cross Subdivision near the Santee Cooper Cross Generating Station and the Camp Hall Commerce Park. The rail line corridor travels south and west, crossing the Diversion Canal between Lakes Marion and Moultrie, through the unincorporated community of Cross, splitting and ending with two tracks (Camp Hall Track and the Volvo Lead Track) on the Camp Hall Commerce Park site in Berkeley County, South Carolina.

The proposed modifications are a result of design changes to the northern section of the rail line to accommodate drainage structures, adjustments to the track profile, revisions to road crossings, revisions to the bridge over the Diversion Canal, and additional construction access/laydown areas. The design changes result in a net reduction of 0.37 acres of wetland impact and 6.5 linear feet of stream impact. In particular, wetland fill impacts are reduced by 6.42 acres and wetland clearing impacts are increased by 6.05 acres.

A link will be sent separately through DoD Safe with the following documents regarding this modification.

- Original May 7, 2019 DA permit and figures
- The proposed modifications to the figures entitled "Palmetto Railways Camp Hall Rail Project", Sheets 1-4, 10-27, 52-90, and 106 of 106 dated January 2024 provided by Palmetto Railways
- A color-coded comparison of impacts and table

The Surface Transportation Board, Federal Railroad Administration, and US Coast Guard were Coordinating/Cooperating Agencies during the original review process. EPA and SCDNR are Resources Agencies who provided comments to be addressed during the original review process. DHEC regulates the 401 WQC and CZC programs in South Carolina. Therefore, this modification is being coordinated with your offices. Please provide any comments within 15 days from the date of this email (COB May 13, 2024). If no response is received by that date, we will assume your agency has no comment and move forward with a final decision regarding the proposed modification. Please note our office does not intend to post a Public Notice for the proposed modification.

In all future correspondence, please refer to file number SAC-2016-01395. If you have any questions or would like additional information, please call or email me.

Respectfully,

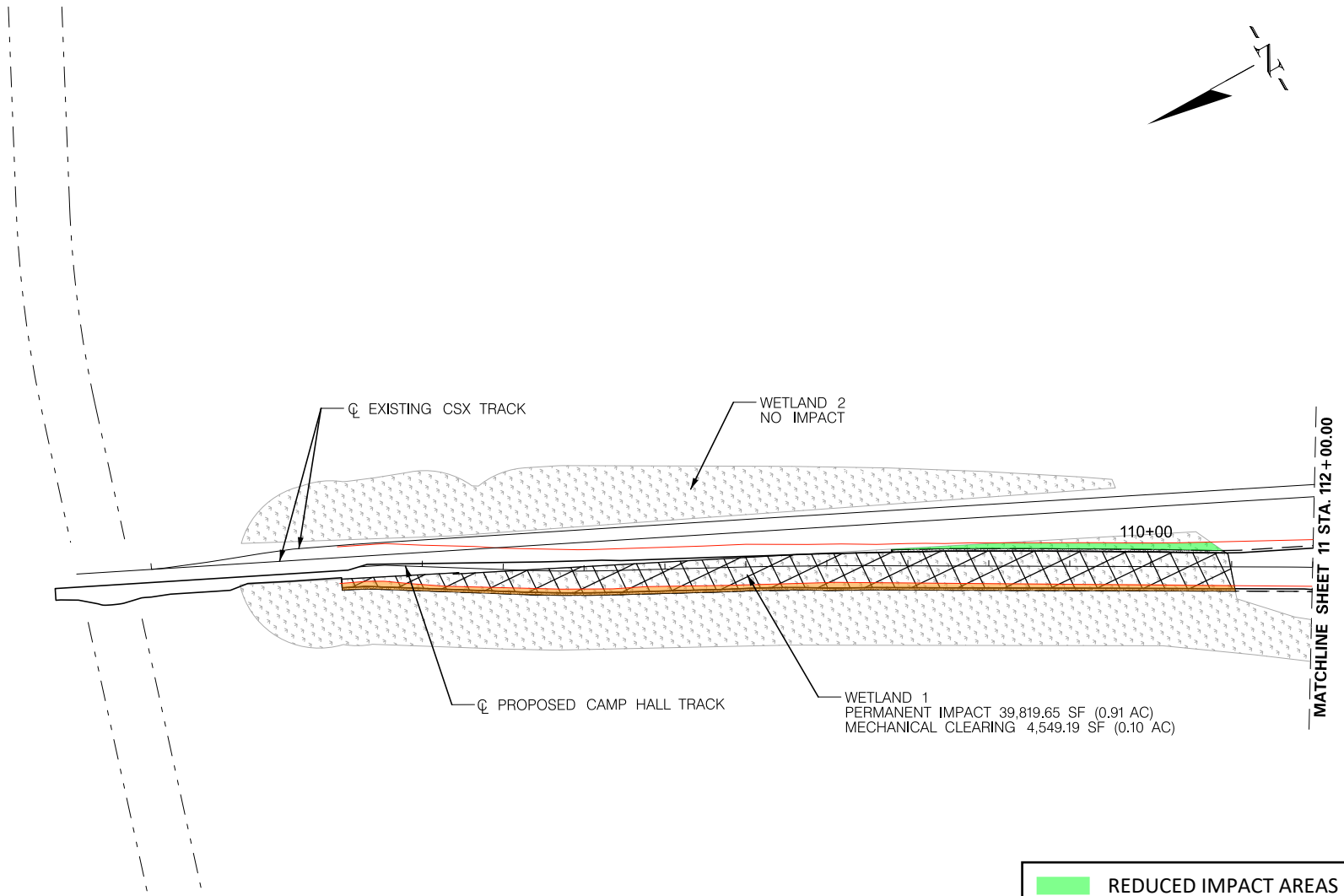
Leslie Estill  
Project Manager  
Special Projects, Regulatory Division  
69A Hagood Avenue  
Charleston, South Carolina 29403-5107

[Leslie.A.Estill@usace.army.mil](mailto:Leslie.A.Estill@usace.army.mil)

Office 843-329-8039

Cell 843-697-4023





REDUCED IMPACT AREAS

NEW IMPACT AREAS

ORIGINAL IMPACT LIMITS



PERMITTEE: PALMETTO RAILWAYS

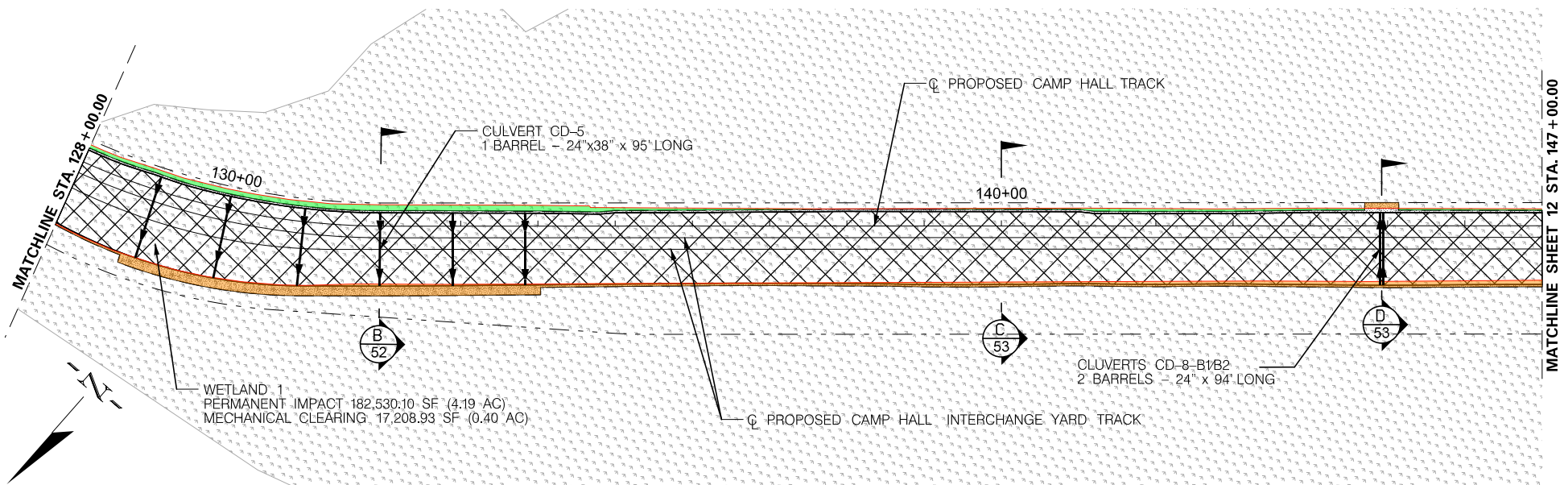
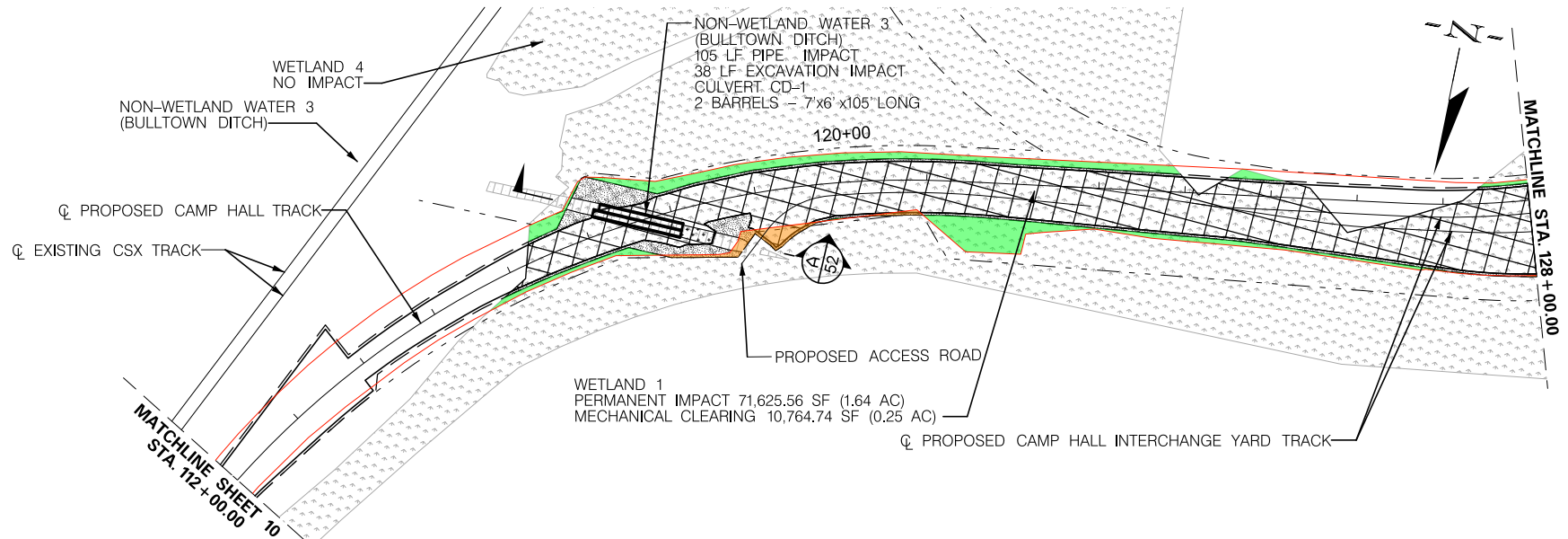
| IMPACTS                                    | SF        | AC   |
|--------------------------------------------|-----------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 39,819.65 | 0.91 |
| MECHANICAL CLEARING WETLAND IMPACT         | 4,549.19  | 0.10 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --        | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --        | --   |
| TOTAL IMPACTS                              | 44,368.19 | 1.02 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT  
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 10 OF 106

0 100 200 400



PERMITTEE: PALMETTO RAILWAYS



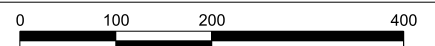
| IMPACTS                                       | SF                | AC          |
|-----------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)           | 254,155.66        | 5.83        |
| MECHANICAL CLEARING WETLAND IMPACT            | 27,973.67         | 0.64        |
| PERMANENT EXCAVATION IMPACT NON-WETLAND WATER | 38.0 LF           | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER       | 105.0 LF          | --          |
| <b>TOTAL IMPACTS</b>                          | <b>282,129.33</b> | <b>6.48</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

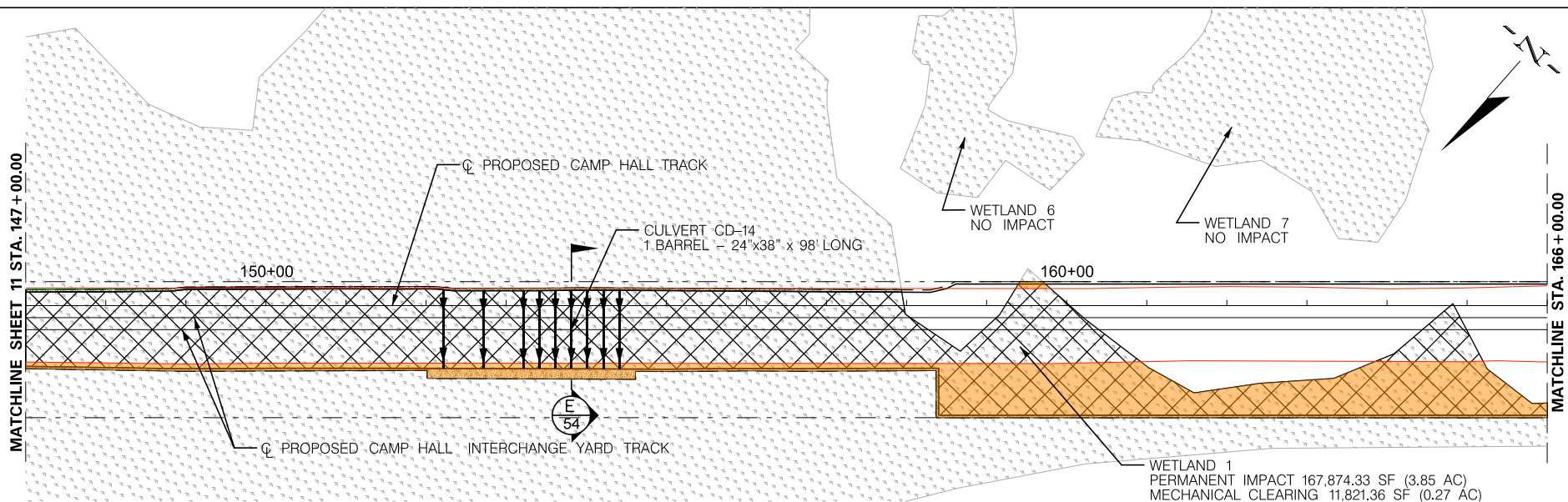
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 11 OF 106



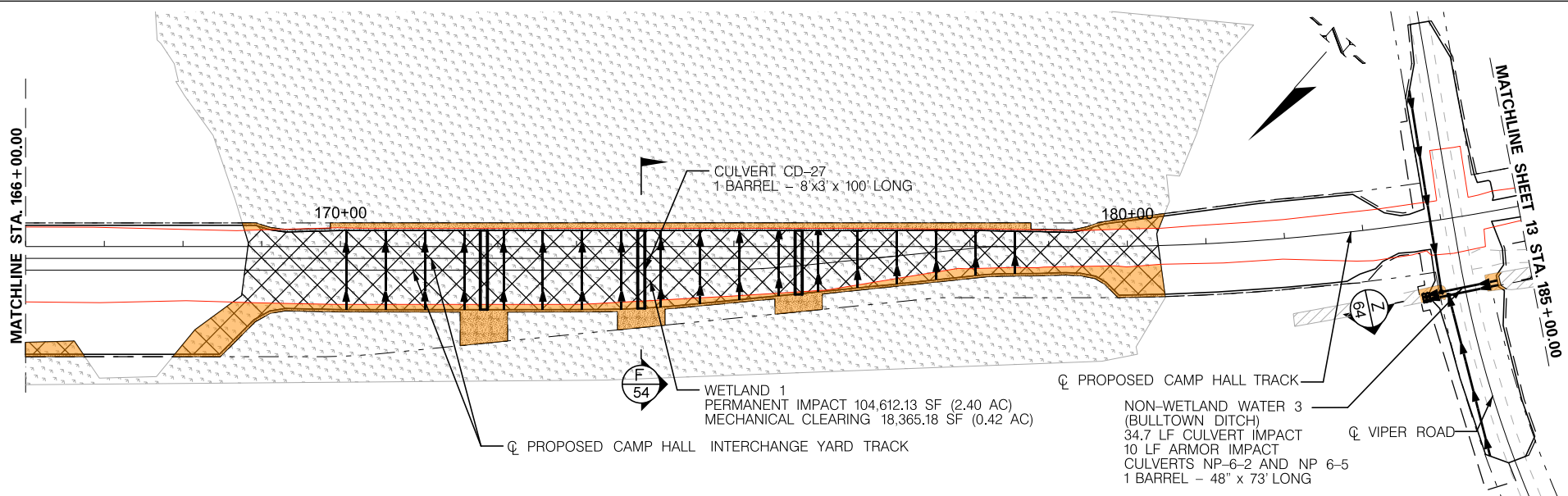
MATCHLINE SHEET 11 STA. 147 + 00.00

MATCHLINE STA. 166 + 00.00



MATCHLINE STA. 166 + 00.00

MATCHLINE SHEET 13 STA. 185 + 00.00



PERMITTEE: PALMETTO RAILWAYS

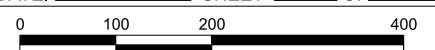
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 272,486.46        | 6.26        |
| MECHANICAL CLEARING WETLAND IMPACT         | 30,186.54         | 0.69        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | 34.7 LF           | --          |
| PERMANENT ARMOR IMPACT NON-WETLAND WATER   | 10.0 LF           | --          |
| <b>TOTAL IMPACTS</b>                       | <b>302,673.00</b> | <b>6.95</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

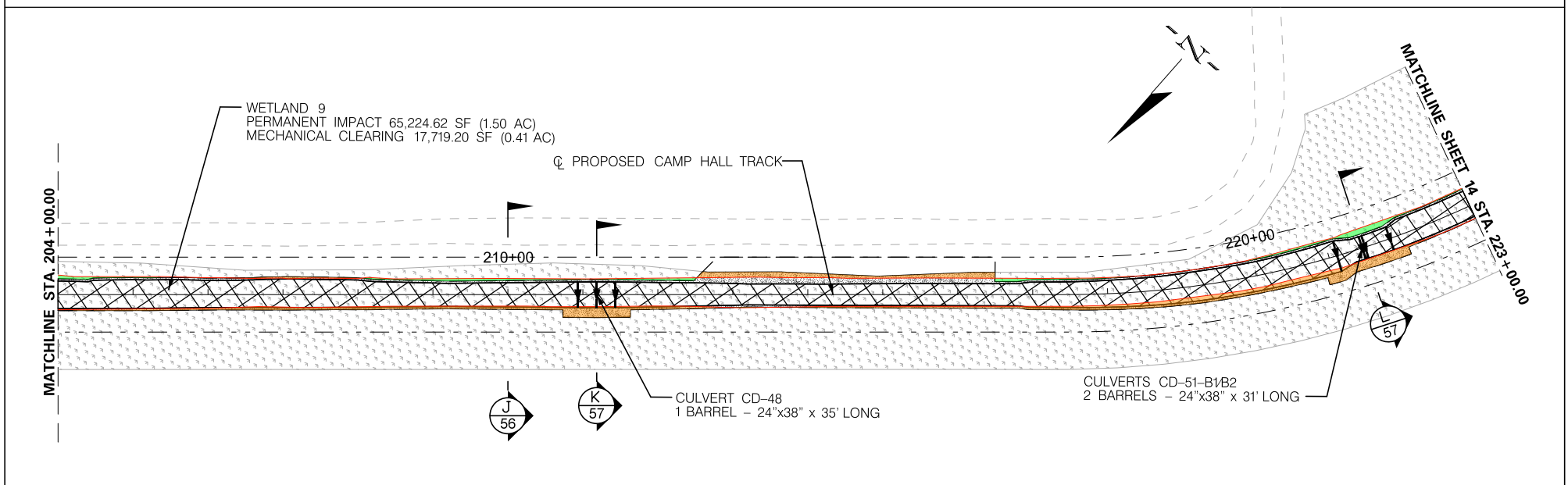
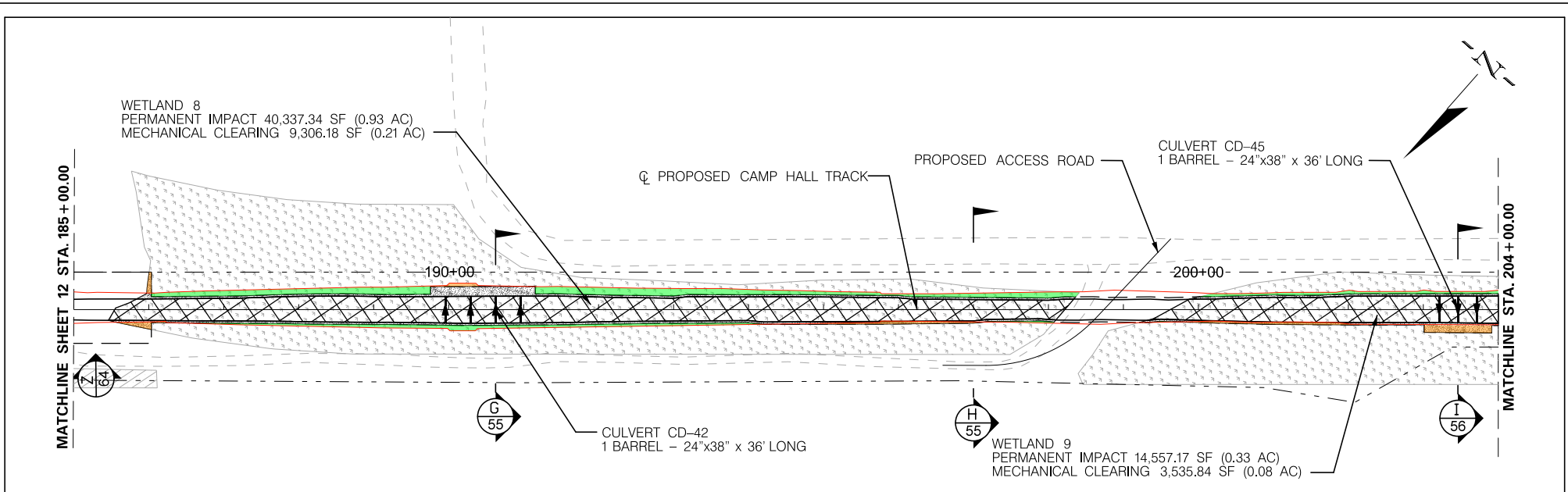
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 12 OF 106









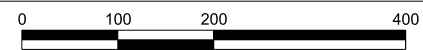
PERMITTEE: PALMETTO RAILWAYS



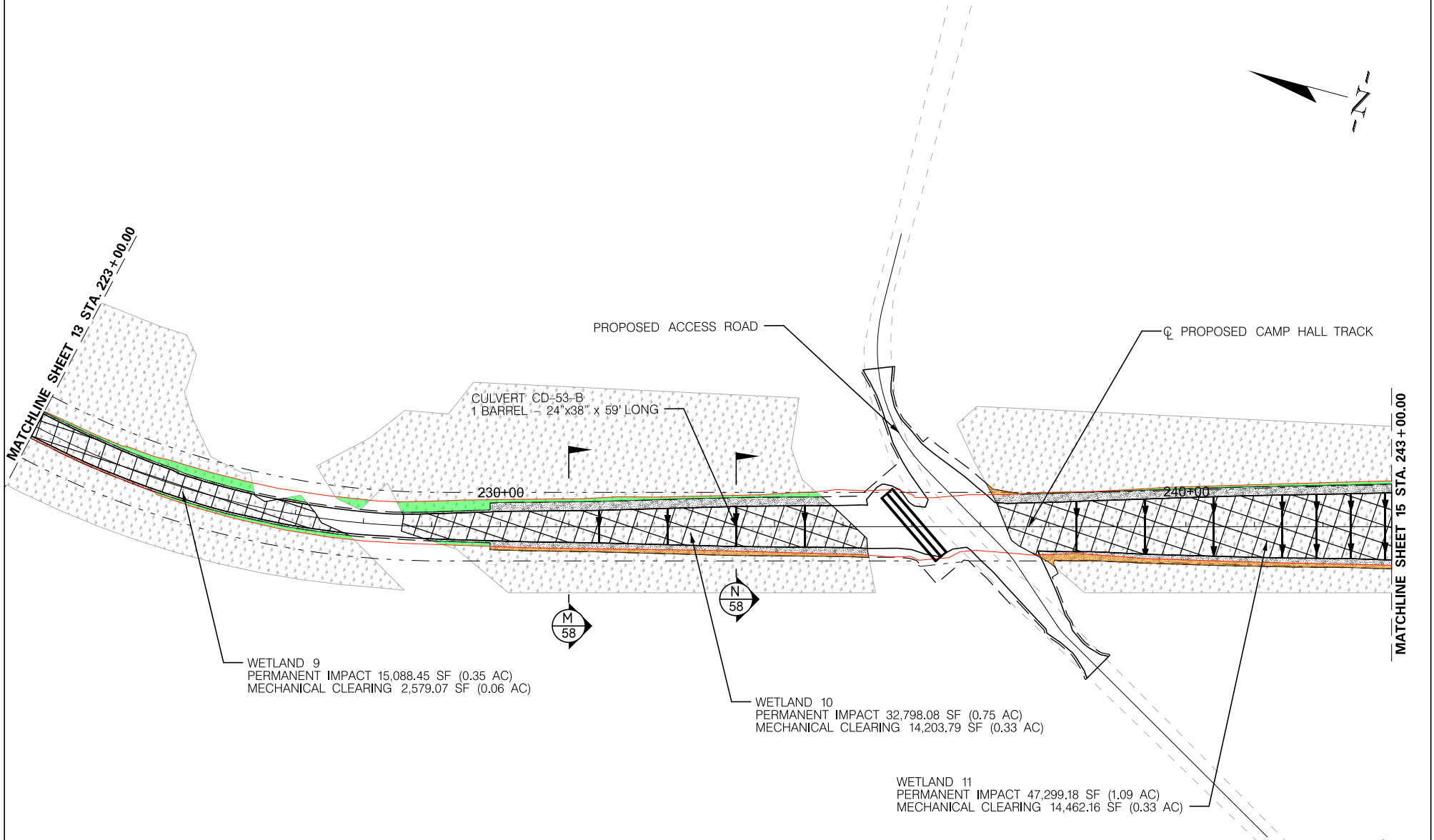
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 120,119.13        | 2.76        |
| MECHANICAL CLEARING WETLAND IMPACT         | 30,561.22         | 0.70        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>150,680.35</b> | <b>3.46</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 13 OF 106



MATCHLINE SHEET 13 STA. 223 + 00.00



WETLAND 9  
PERMANENT IMPACT 15,088.45 SF (0.35 AC)  
MECHANICAL CLEARING 2,579.07 SF (0.06 AC)

CULVERT CD-53-B  
1 BARREL - 24"x38" x 59' LONG

WETLAND 10  
PERMANENT IMPACT 32,798.08 SF (0.75 AC)  
MECHANICAL CLEARING 14,203.79 SF (0.33 AC)

WETLAND 11  
PERMANENT IMPACT 47,299.18 SF (1.09 AC)  
MECHANICAL CLEARING 14,462.16 SF (0.33 AC)

MATCHLINE SHEET 15 STA. 243 + 00.00



PERMITTEE: PALMETTO RAILWAYS

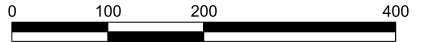


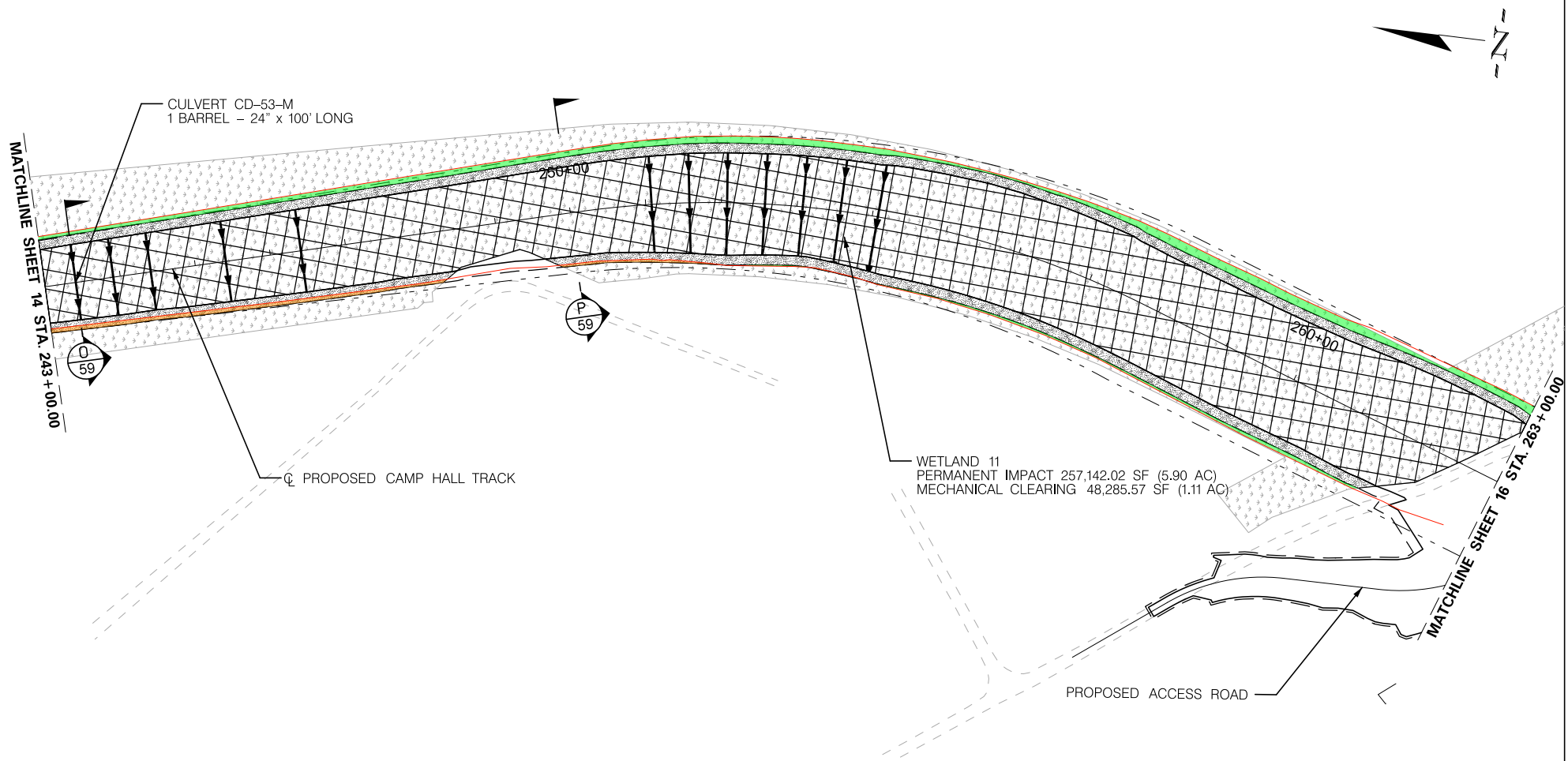
| IMPACTS                                                                             |                                            | SF         | AC   |
|-------------------------------------------------------------------------------------|--------------------------------------------|------------|------|
|  | PERMANENT WETLAND IMPACT (CUT/FILL)        | 95,185.71  | 2.19 |
|  | MECHANICAL CLEARING WETLAND IMPACT         | 31,245.02  | 0.72 |
|  | PERMANENT CULVERT IMPACT NON-WETLAND WATER | --         | --   |
|  | PERMANENT PIPE IMPACT NON-WETLAND WATER    | --         | --   |
| TOTAL IMPACTS                                                                       |                                            | 126,430.73 | 2.90 |

|                                                                                       |                        |
|---------------------------------------------------------------------------------------|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT  
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 14 OF 106





PERMITTEE: PALMETTO RAILWAYS

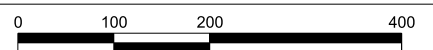
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 257,142.02        | 5.90        |
| MECHANICAL CLEARING WETLAND IMPACT         | 48,285.57         | 1.11        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>305,427.59</b> | <b>7.01</b> |

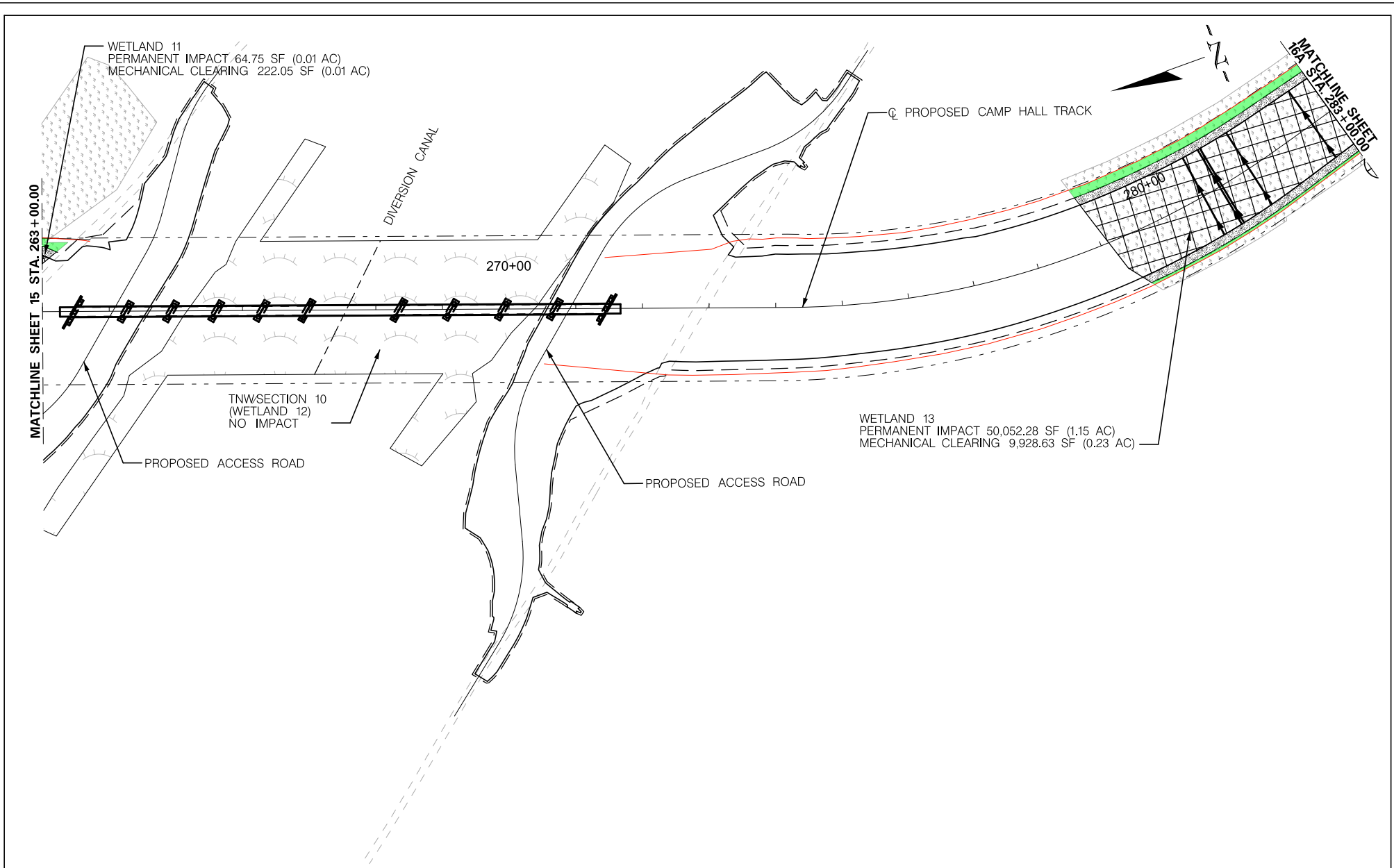
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 15 OF 106







PERMITTEE: PALMETTO RAILWAYS



| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 50,117.03        | 1.15        |
| MECHANICAL CLEARING WETLAND IMPACT         | 10,150.68        | 0.23        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --               | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --               | --          |
| <b>TOTAL IMPACTS</b>                       | <b>60,267.71</b> | <b>1.38</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 16 OF 106



MATCHLINE SHEET 16 STA. 283+00.00

CULVERTS CD-54-D-B1B2  
2 BARRELS - 24"x38" x 120' LONG

PROPOSED CAMP HALL TRACK

R  
60

S  
61

CULVERT CD-55-A  
4 BARRELS - 8'x3' x 82' LONG

WETLAND 13  
PERMANENT IMPACT 145,621.47 SF (3.34 AC)  
MECHANICAL CLEARING 49,569.17 SF (1.14 AC)

MATCHLINE SHEET 17  
STA. 305+00.00



PERMITTEE: PALMETTO RAILWAYS

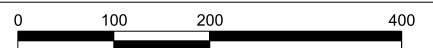
| IMPACTS                                    | SF         | AC   |
|--------------------------------------------|------------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 145,621.47 | 3.34 |
| MECHANICAL CLEARING WETLAND IMPACT         | 49,569.17  | 1.14 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --         | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --         | --   |
| TOTAL IMPACTS                              | 195,190.64 | 4.48 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

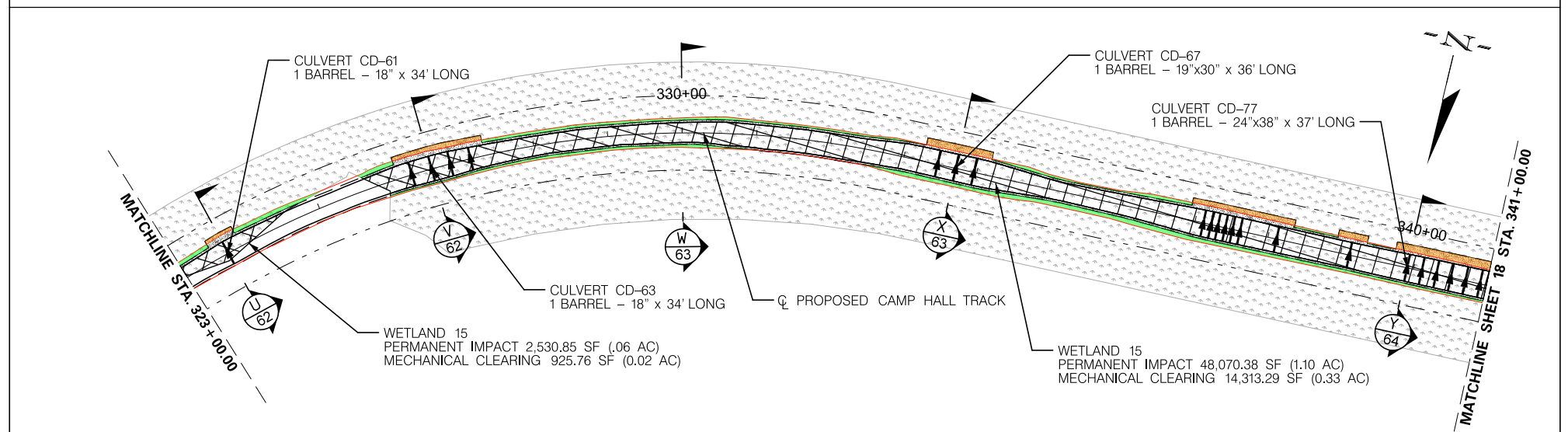
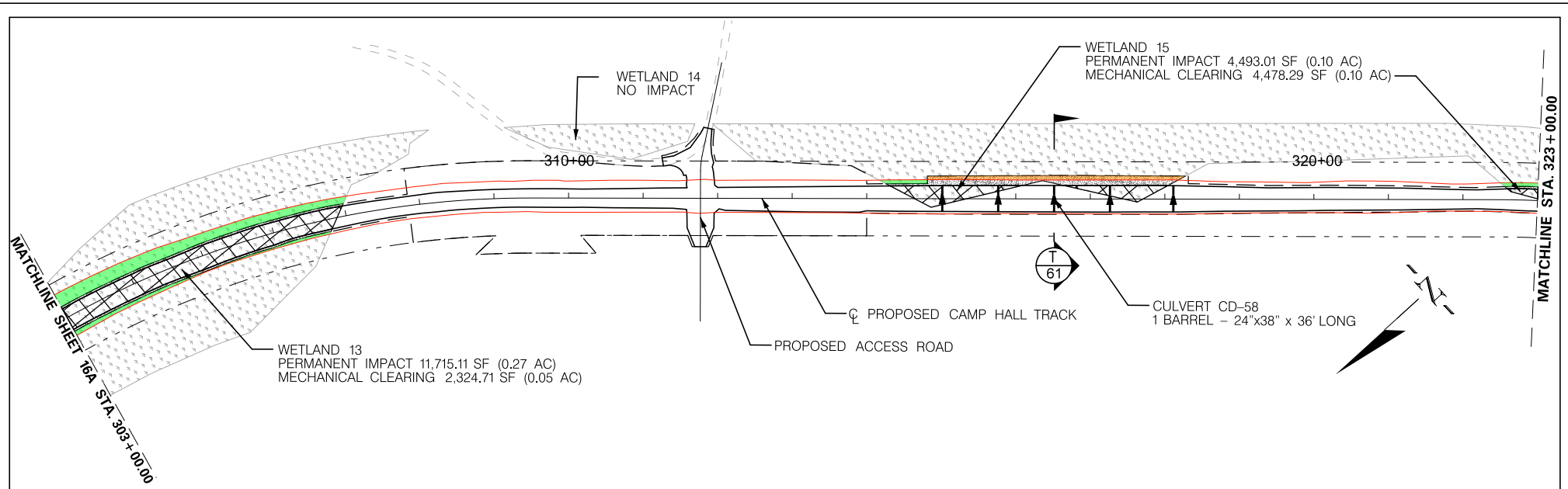
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

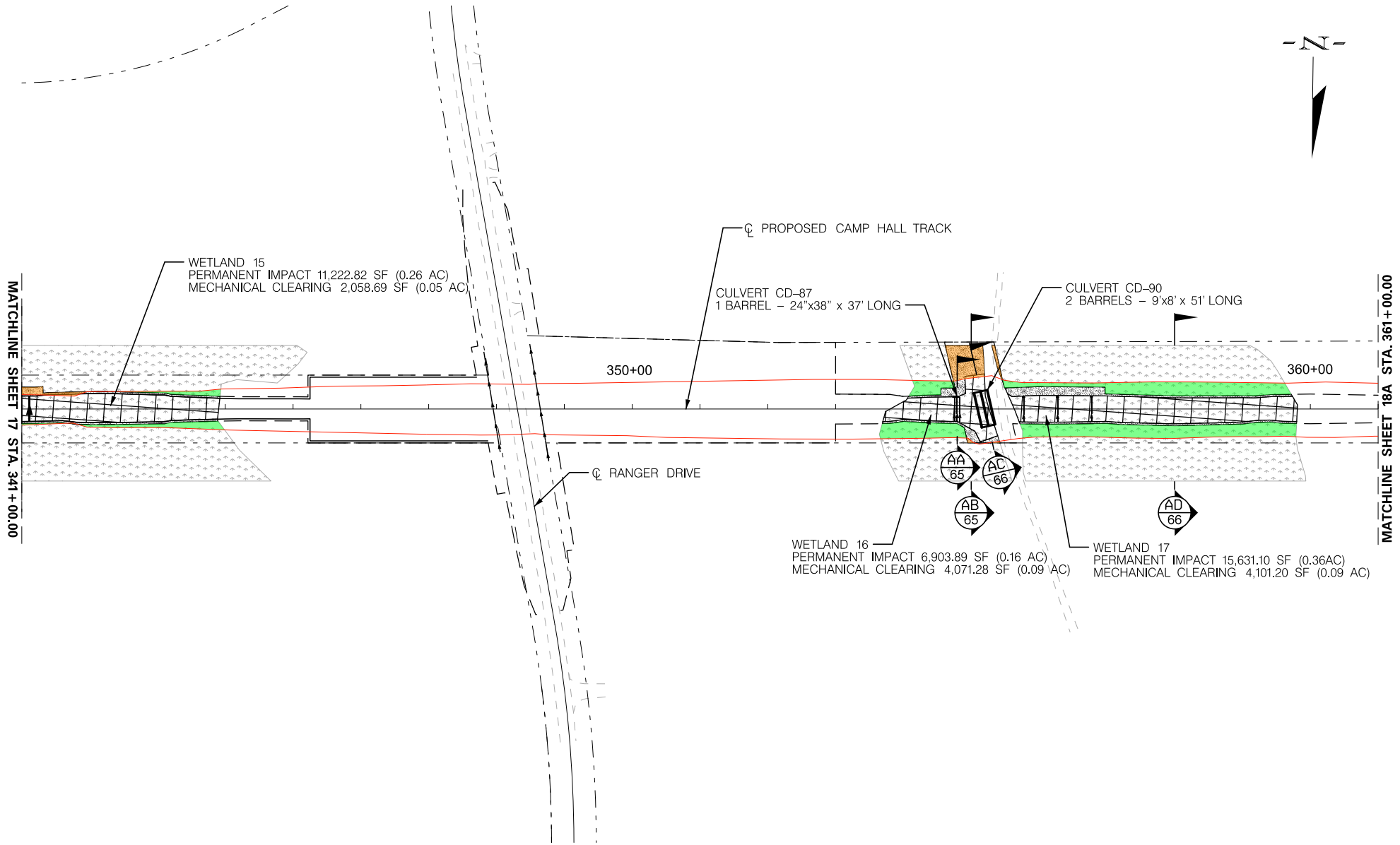
DATE: JANUARY 2024 SHEET 16A OF 106







|                                     |  |                                               |  |                  |             |  |                                                                                                                                                                                               |                                                                                                                                                                                                    |
|-------------------------------------|--|-----------------------------------------------|--|------------------|-------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>PERMITTEE: PALMETTO RAILWAYS</p> |  | <b>IMPACTS</b>                                |  | <b>SF</b>        | <b>AC</b>   |  | <b>TNW/SECTION 10 WATERS</b><br>WETLANDS<br>CONSTRUCTION AUTHORITY<br>EXISTING ROAD<br>NON-WETLAND WATERS<br>LIMITS OF DISTURBANCE<br>PERMANENT IMPACT<br>PROPOSED ROAD<br>RIGHT-OF-WAY (ROW) | <b>PALMETTO RAILWAYS</b><br><b>CAMP HALL RAIL PROJECT</b><br>BERKELEY COUNTY, SOUTH CAROLINA<br>DEPARTMENT OF ARMY 404 PERMIT<br>PERMIT # SAC-2016-01395<br>DATE: JANUARY 2024 SHEET 17 OF 106<br> |
|                                     |  | PERMANENT WETLAND IMPACT (CUT/FILL)           |  | 66,809.35        | 1.53        |  |                                                                                                                                                                                               |                                                                                                                                                                                                    |
|                                     |  | MECHANICAL CLEARING WETLAND IMPACT            |  | 22,042.05        | 0.51        |  |                                                                                                                                                                                               |                                                                                                                                                                                                    |
|                                     |  | PERMANENT CULVERT IMPACT<br>NON-WETLAND WATER |  | --               | --          |  |                                                                                                                                                                                               |                                                                                                                                                                                                    |
|                                     |  | PERMANENT PIPE IMPACT<br>NON-WETLAND WATER    |  | --               | --          |  |                                                                                                                                                                                               |                                                                                                                                                                                                    |
|                                     |  | <b>TOTAL IMPACTS</b>                          |  | <b>88,851.40</b> | <b>2.04</b> |  |                                                                                                                                                                                               |                                                                                                                                                                                                    |



PERMITTEE: PALMETTO RAILWAYS

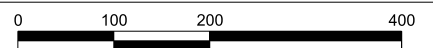
| IMPACTS                                    | SF              | AC          |
|--------------------------------------------|-----------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 33,757.81       | 0.78        |
| MECHANICAL CLEARING WETLAND IMPACT         | 10,231.17       | 0.23        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --              | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --              | --          |
| <b>TOTAL IMPACTS</b>                       | <b>43988.98</b> | <b>1.01</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 18 OF 106



MATCHLINE SHEET 18 STA. 361+00.00

Q PROPOSED CAMP HALL TRACK

CULVERT CD-96  
1 BARREL - 24"x38" x 36' LONG

370+00

CULVERT CD-102  
1 BARREL - 24"x38" x 38' LONG

MATCHLINE SHEET 18A STA 380+00.00

WETLAND 18  
PERMANENT IMPACT 49,828.12 SF (1.14 AC)  
MECHANICAL CLEARING 12,642.28 SF (0.29 AC)



PERMITTEE: PALMETTO RAILWAYS



| IMPACTS                                    | SF        | AC   |
|--------------------------------------------|-----------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 49,828.12 | 1.14 |
| MECHANICAL CLEARING WETLAND IMPACT         | 12,642.28 | 0.29 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --        | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --        | --   |
| TOTAL IMPACTS                              | 62,470.40 | 1.43 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT  
PERMIT # SAC-2016-01395  
DATE: JANUARY 2024 SHEET 18A OF 106

0 100 200 400

MATCHLINE SHEET 18A STA. 380+00.00

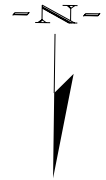
WETLAND 18  
PERMANENT IMPACT 14,045.10 SF (0.32 AC)  
MECHANICAL CLEARING 2,819.88 SF (0.06 AC)

PROPOSED CAMP HALL TRACK

WETLAND 19  
PERMANENT IMPACT 37,849.49 SF (0.87 AC)  
MECHANICAL CLEARING 10,078.77 SF (0.23 AC)

CULVERT CD-105  
3 BARRELS - 24"x38" x 40' LONG

MATCHLINE SHEET 19 STA. 400+00.00



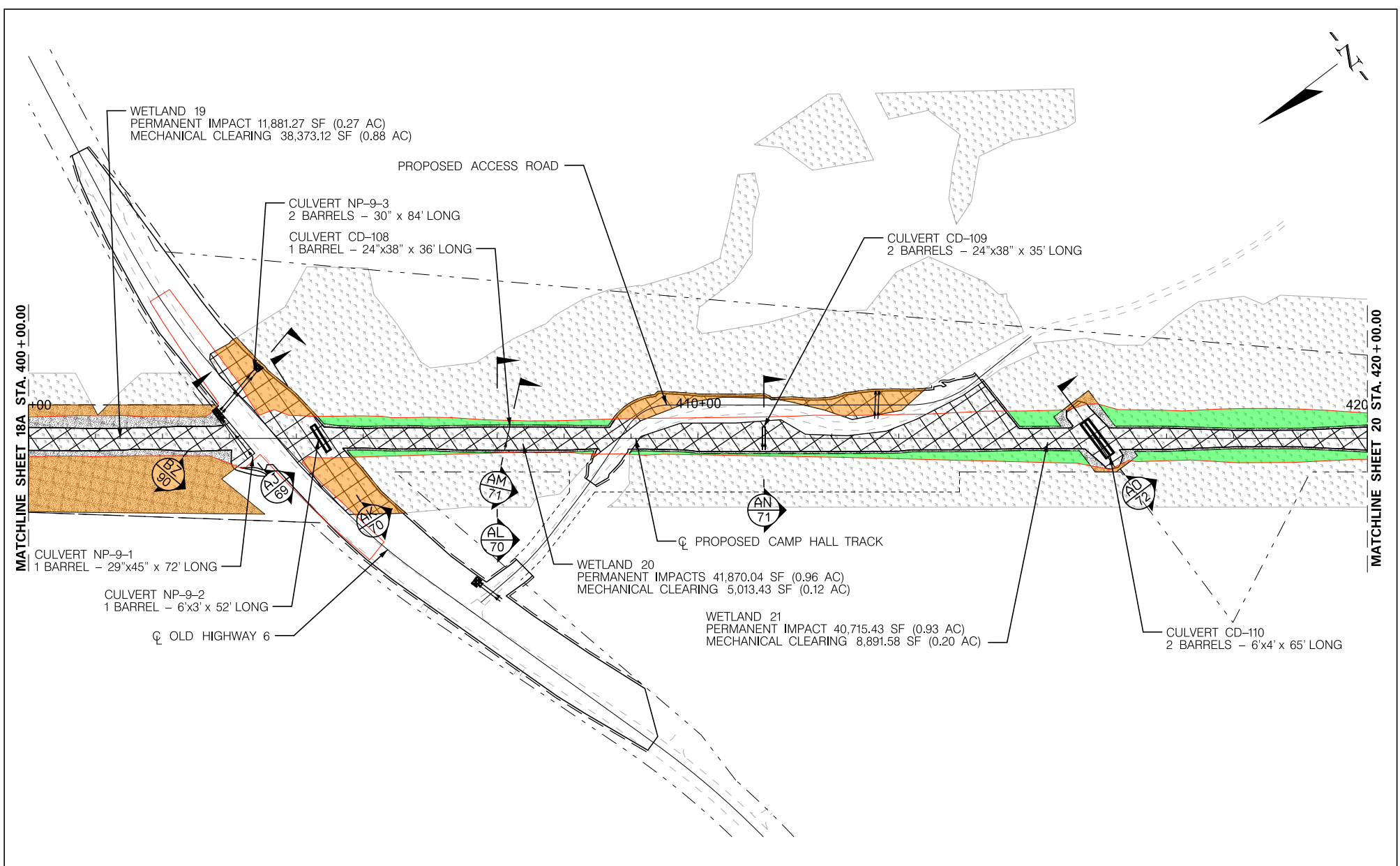
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF        | AC   |
|--------------------------------------------|-----------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 51,894.59 | 1.19 |
| MECHANICAL CLEARING WETLAND IMPACT         | 12,898.65 | 0.29 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --        | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --        | --   |
| TOTAL IMPACTS                              | 64,793.24 | 1.48 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 19 OF 106

0 100 200 400





PERMITTEE: PALMETTO RAILWAYS



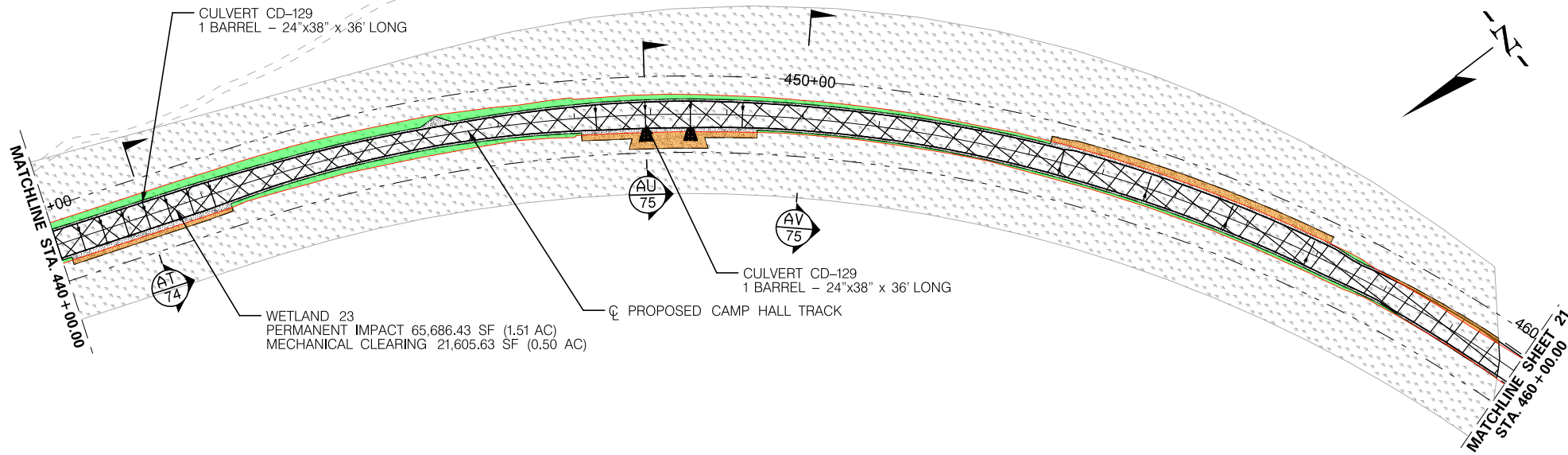
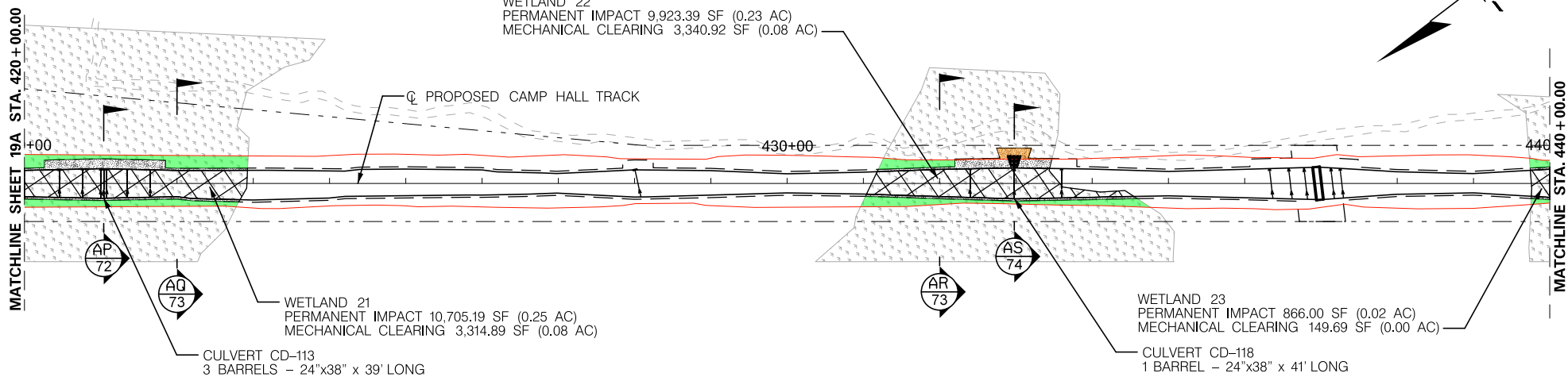
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 94,466.74         | 2.16        |
| MECHANICAL CLEARING WETLAND IMPACT         | 52,278.13         | 1.20        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>146,744.87</b> | <b>3.36</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 19A OF 106







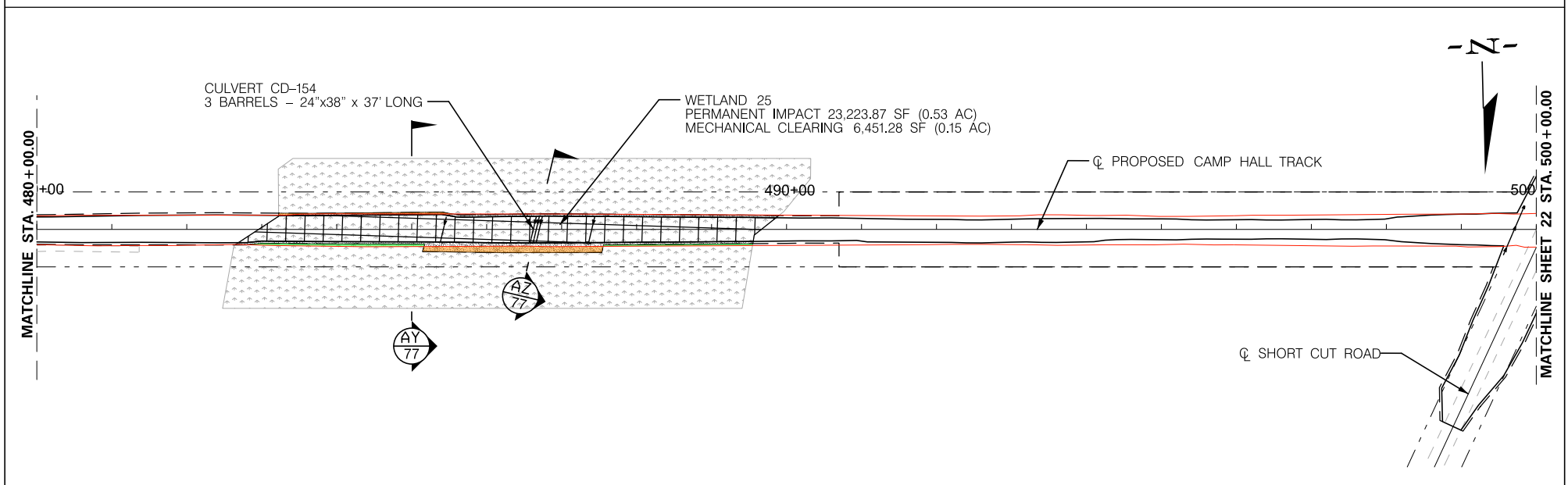
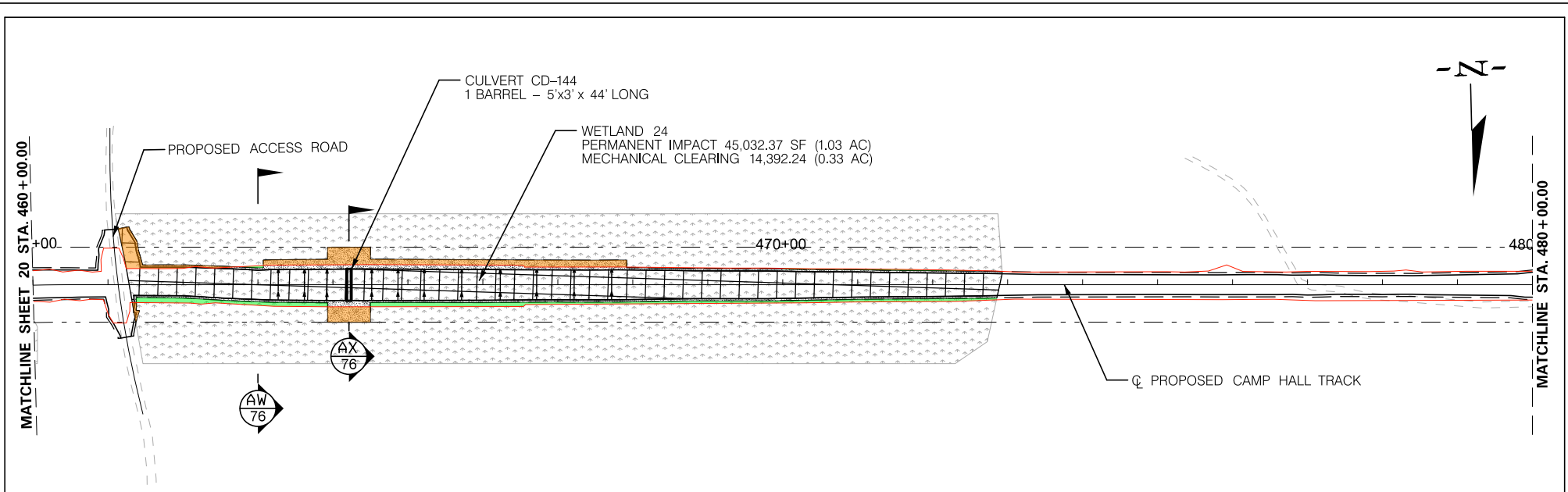
| IMPACTS                                    | SF         | AC   |
|--------------------------------------------|------------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 87,181.01  | 2.01 |
| MECHANICAL CLEARING WETLAND IMPACT         | 28,411.13  | 0.66 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --         | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --         | --   |
| TOTAL IMPACTS                              | 115,592.14 | 2.67 |

|                        |     |
|------------------------|-----|
| TNW/SECTION 10 WATERS  | --- |
| WETLANDS               | --- |
| CONSTRUCTION AUTHORITY | --- |
| EXISTING ROAD          | --- |
| NON-WETLAND WATERS     | --- |
| LIMITS OF DISTURBANCE  | --- |
| PERMANENT IMPACT       | --- |
| PROPOSED ROAD          | --- |
| RIGHT-OF-WAY (ROW)     | --- |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 20 OF 106

0 100 200 400

PERMITTEE: PALMETTO RAILWAYS



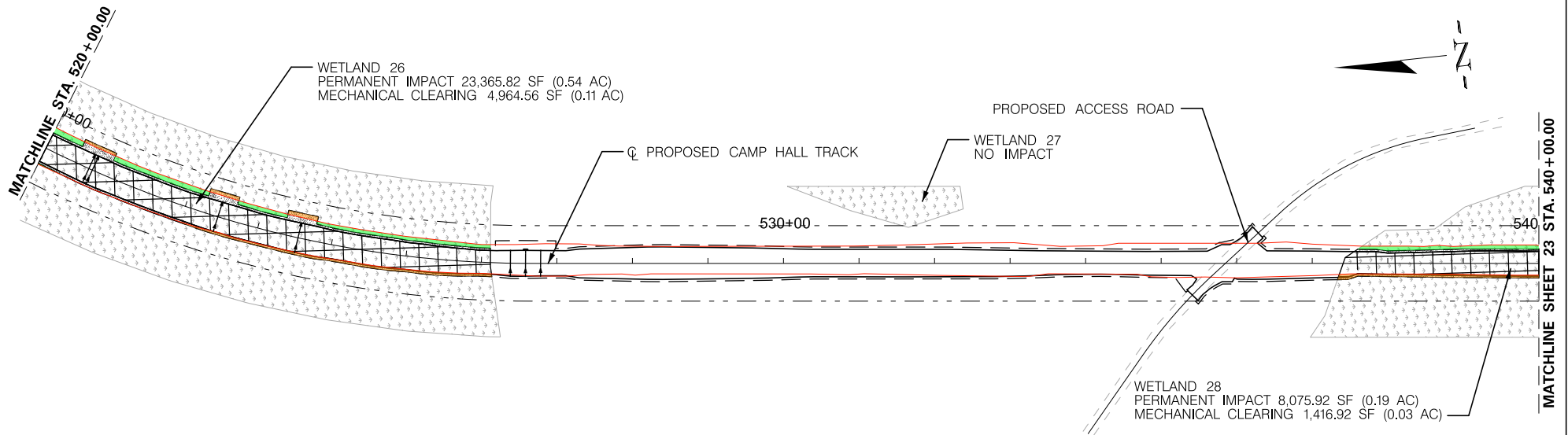
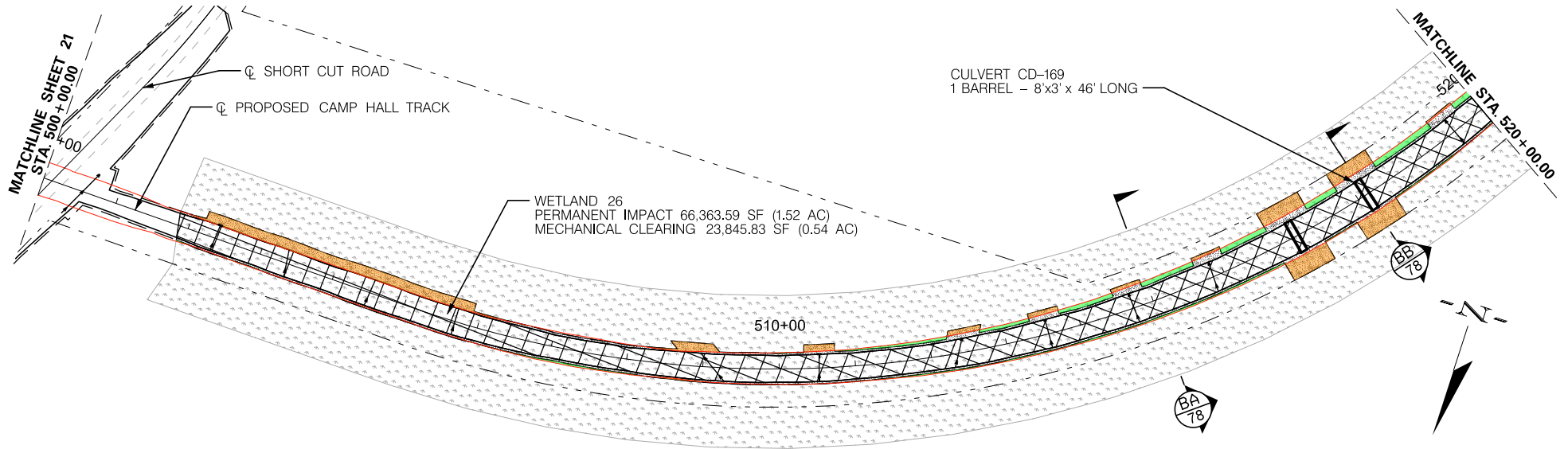
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 68,256.24        | 1.56        |
| MECHANICAL CLEARING WETLAND IMPACT         | 20,843.52        | 0.48        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --               | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --               | --          |
| <b>TOTAL IMPACTS</b>                       | <b>89,099.76</b> | <b>2.04</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 21 OF 106



PERMITTEE: PALMETTO RAILWAYS



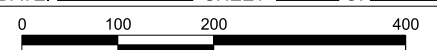
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 97,805.33         | 2.25        |
| MECHANICAL CLEARING WETLAND IMPACT         | 30,227.31         | 0.68        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>128,032.64</b> | <b>2.93</b> |

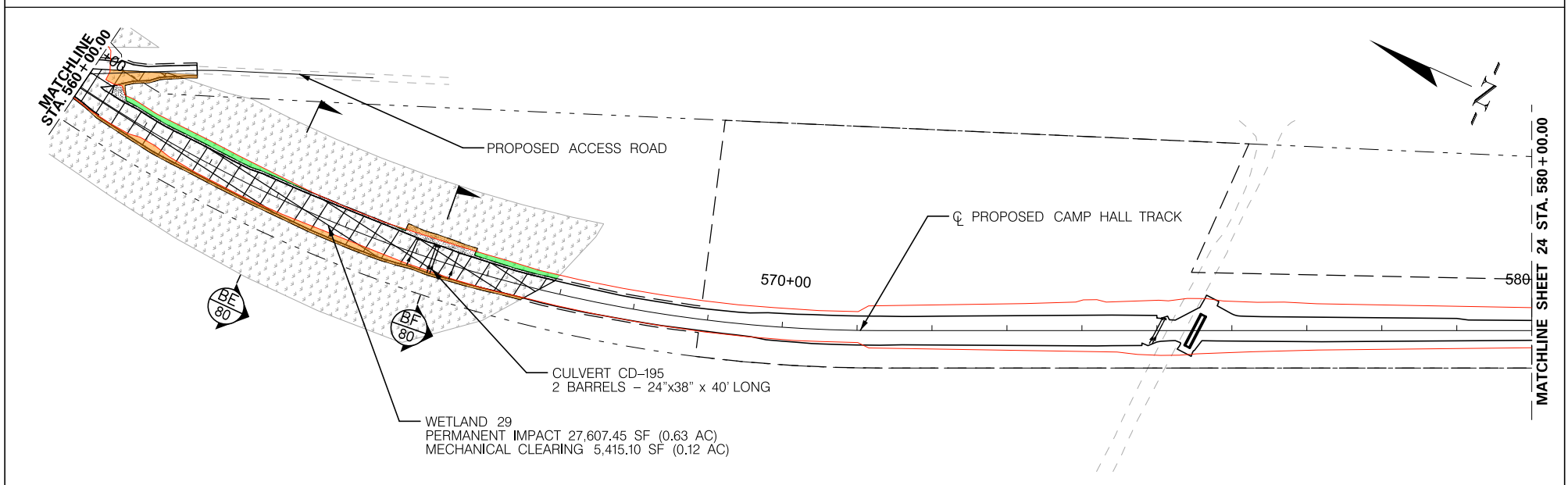
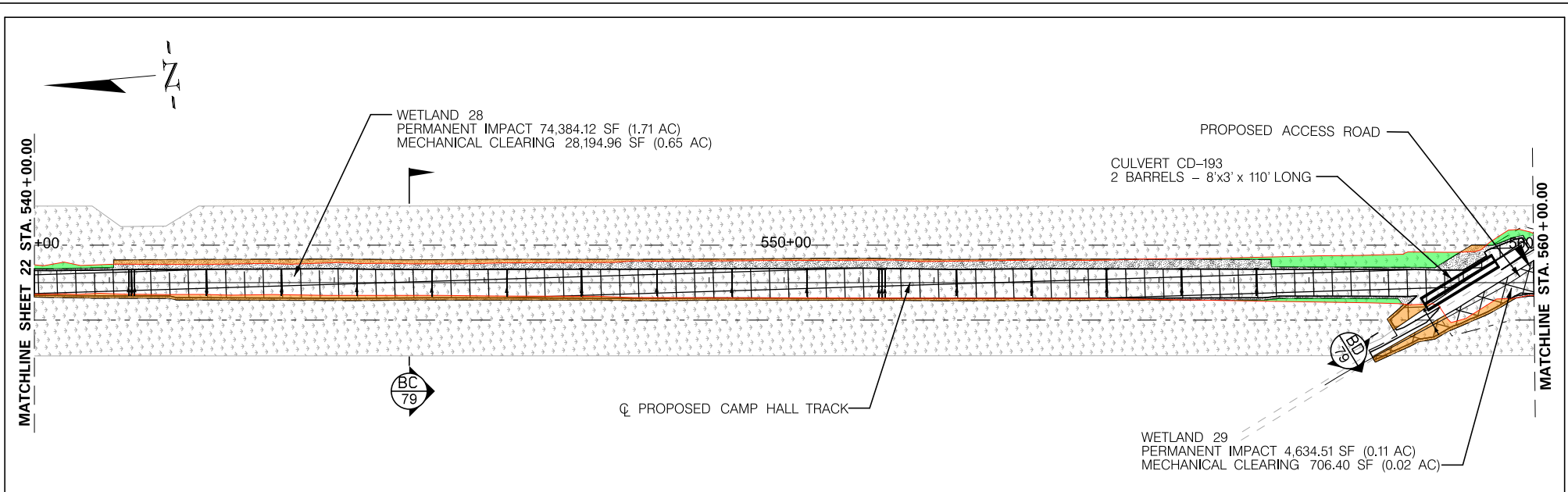
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 22 OF 106





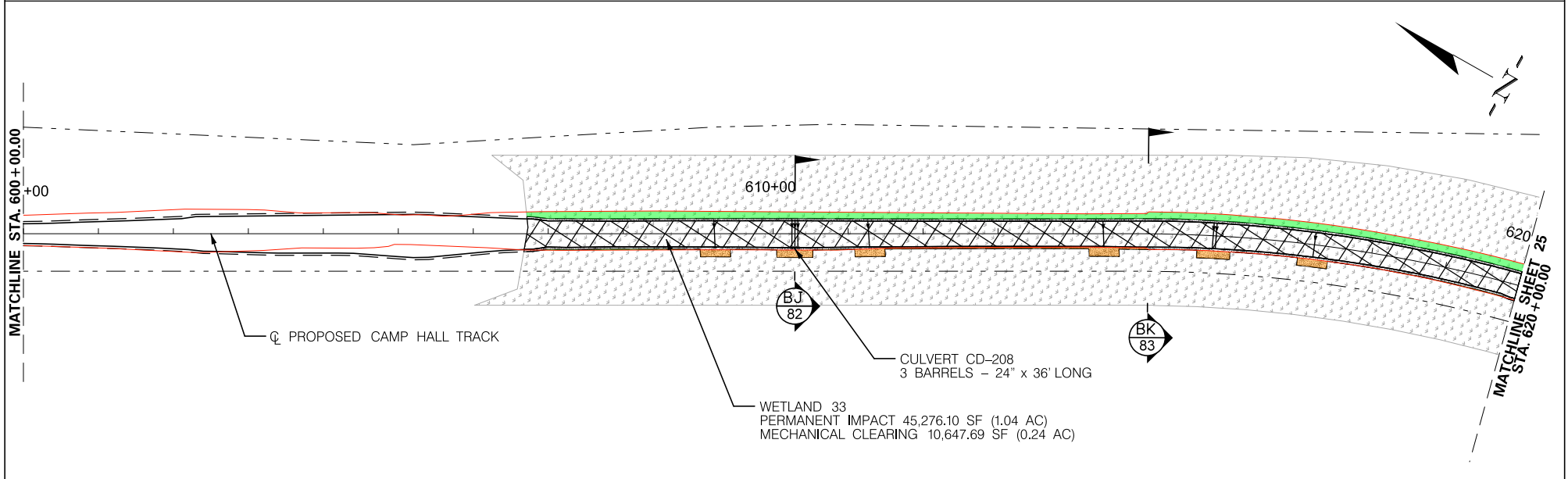
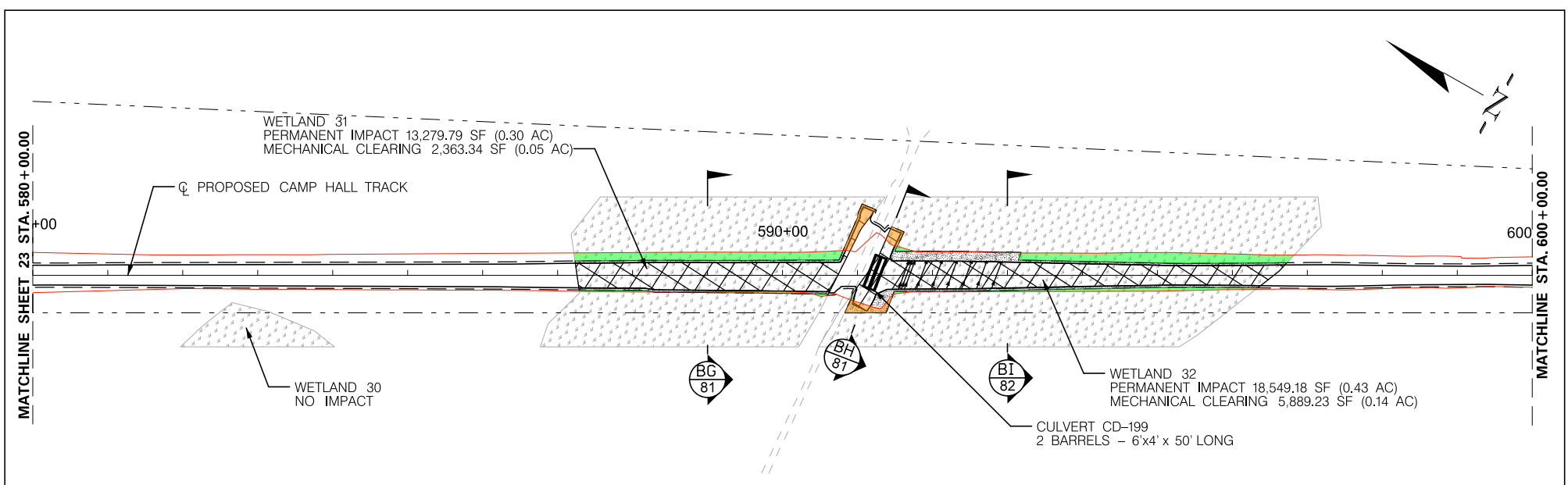
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 106,626.08        | 2.45        |
| MECHANICAL CLEARING WETLAND IMPACT         | 34,316.46         | 0.79        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>140,942.54</b> | <b>3.24</b> |

|                        |
|------------------------|
| TNW/SECTION 10 WATERS  |
| WETLANDS               |
| CONSTRUCTION AUTHORITY |
| EXISTING ROAD          |
| NON-WETLAND WATERS     |
| LIMITS OF DISTURBANCE  |
| PERMANENT IMPACT       |
| PROPOSED ROAD          |
| RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 23 OF 106





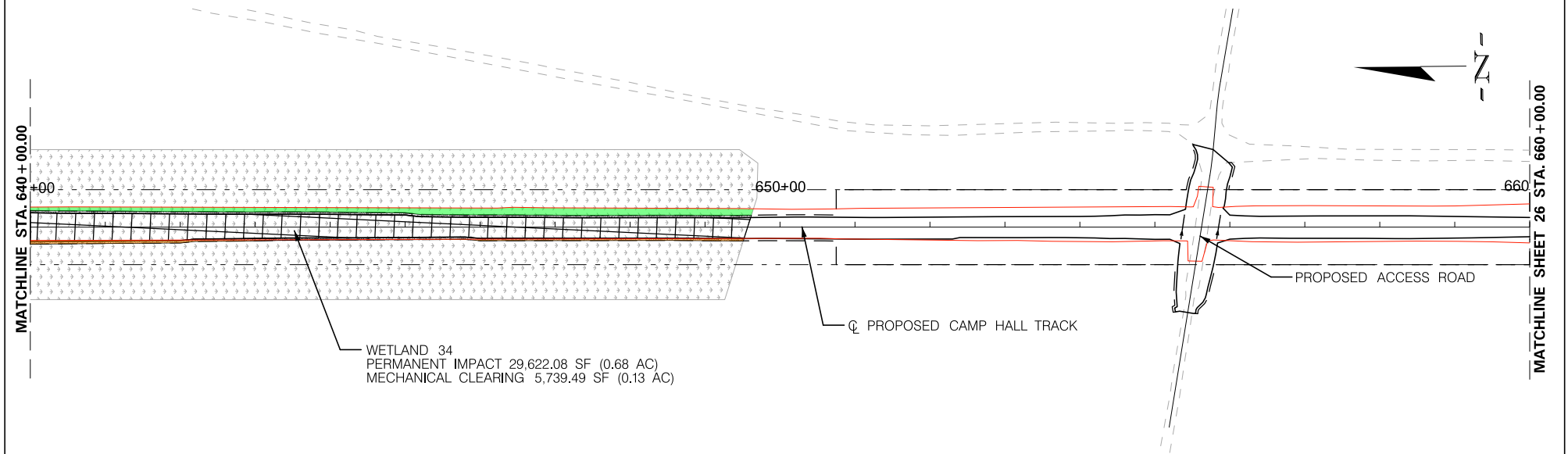
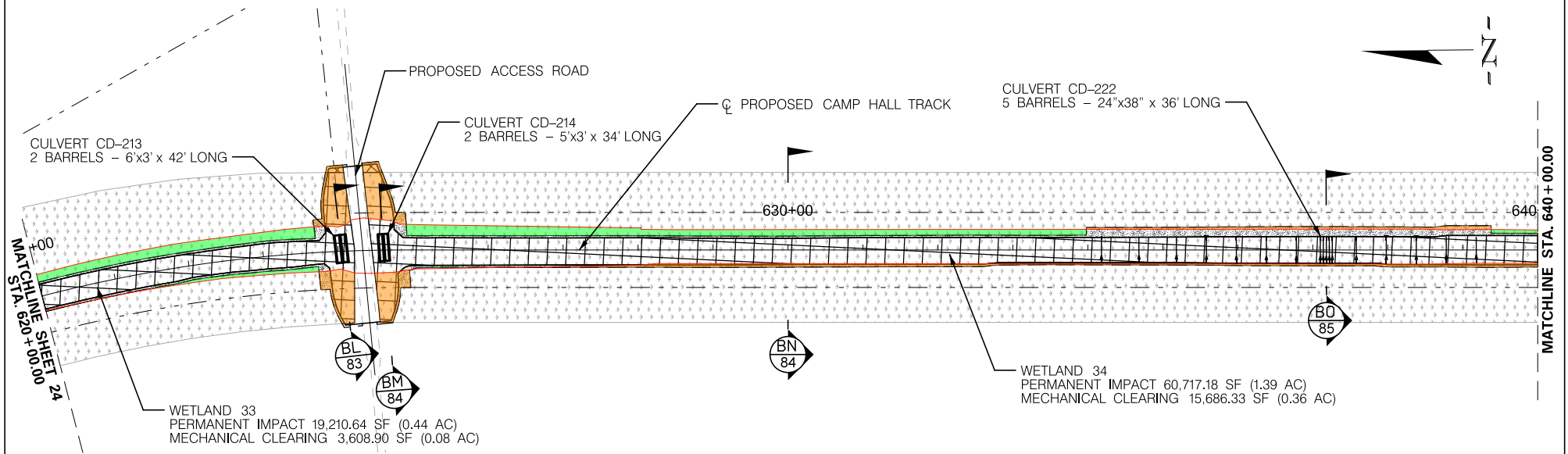
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 77,105.07        | 1.77        |
| MECHANICAL CLEARING WETLAND IMPACT         | 18,900.26        | .43         |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --               | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --               | --          |
| <b>TOTAL IMPACTS</b>                       | <b>96,005.33</b> | <b>2.20</b> |

|                        |
|------------------------|
| TNW/SECTION 10 WATERS  |
| WETLANDS               |
| CONSTRUCTION AUTHORITY |
| EXISTING ROAD          |
| NON-WETLAND WATERS     |
| LIMITS OF DISTURBANCE  |
| PERMANENT IMPACT       |
| PROPOSED ROAD          |
| RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 24 OF 106





PERMITTEE: PALMETTO RAILWAYS



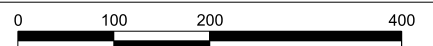
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 109,549.90        | 2.51        |
| MECHANICAL CLEARING WETLAND IMPACT         | 25,034.72         | 0.57        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>134,584.62</b> | <b>3.08</b> |

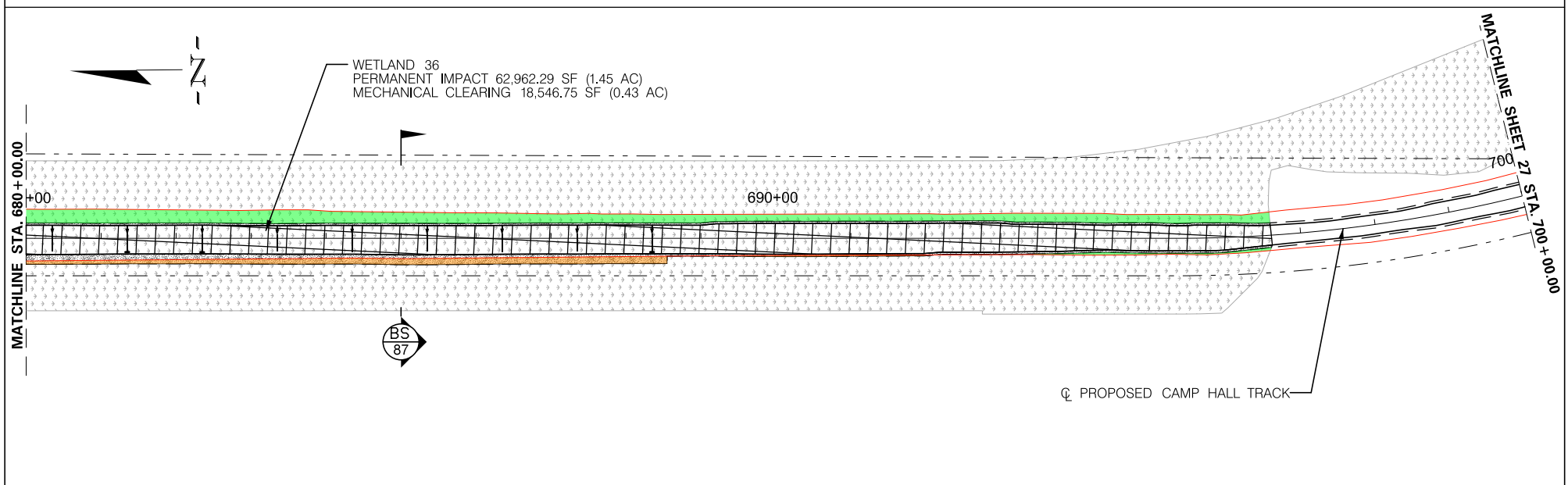
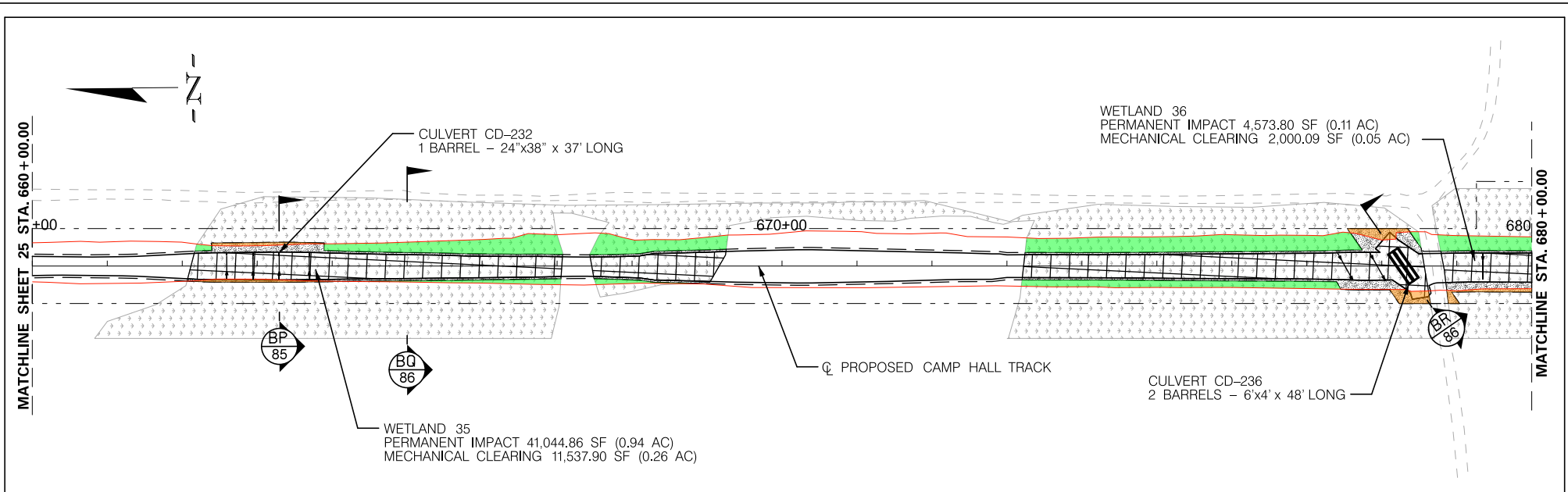
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 25 OF 106







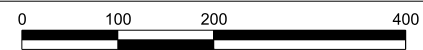
PERMITTEE: PALMETTO RAILWAYS

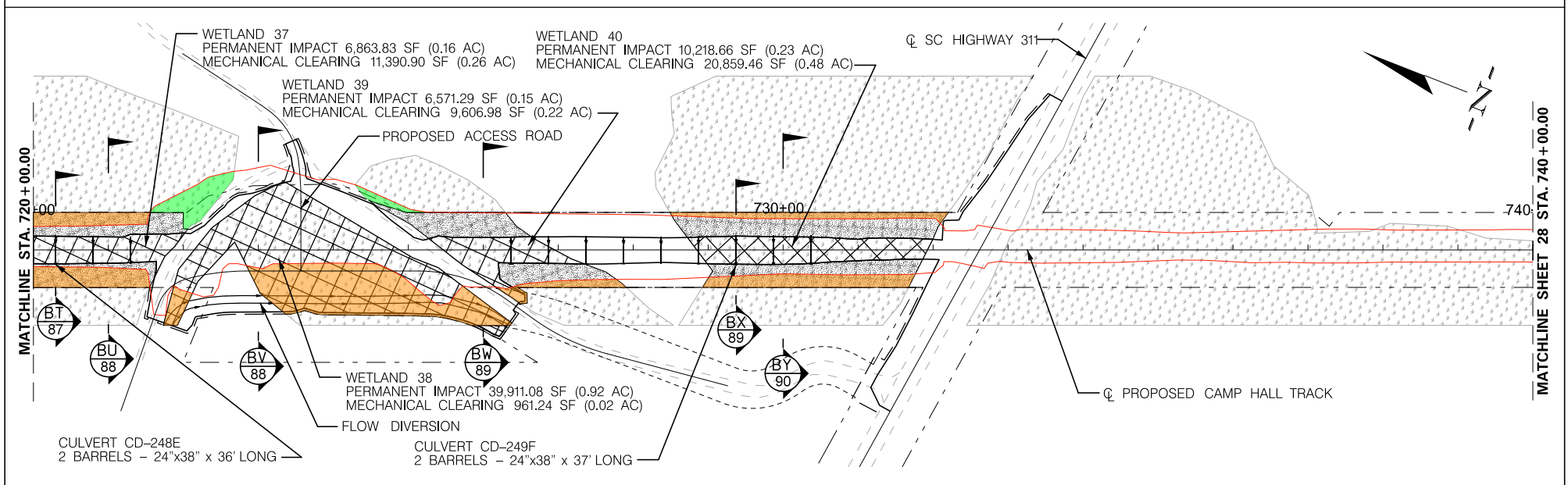
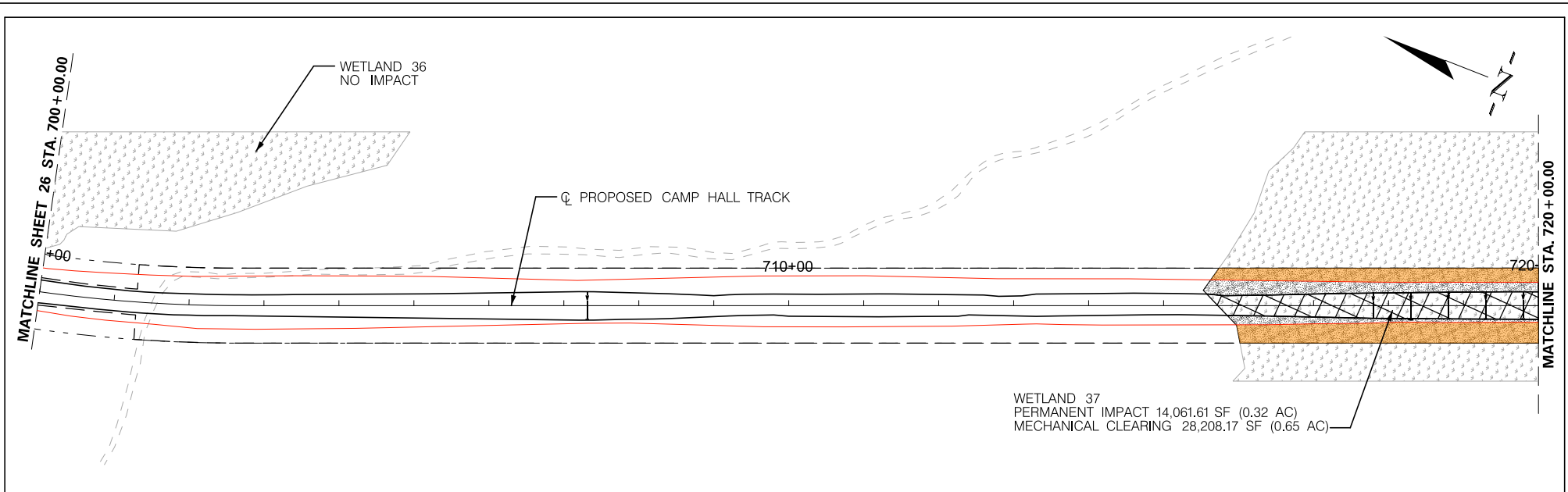


| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 108,580.95        | 2.50        |
| MECHANICAL CLEARING WETLAND IMPACT         | 32,084.74         | 0.74        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>140,665.69</b> | <b>3.24</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 26 OF 106







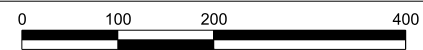
PERMITTEE: PALMETTO RAILWAYS



| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 77,626.47         | 1.78        |
| MECHANICAL CLEARING WETLAND IMPACT         | 71,026.75         | 1.63        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>148,653.22</b> | <b>3.41</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 27 OF 106



# Impact Summary Table

|                  |                  |                   |         |                     | Original Permit              |           |             |        |              |                         |          |               | Permit Modification          |           |              |         |               |                         |       |           |                |                   |
|------------------|------------------|-------------------|---------|---------------------|------------------------------|-----------|-------------|--------|--------------|-------------------------|----------|---------------|------------------------------|-----------|--------------|---------|---------------|-------------------------|-------|-----------|----------------|-------------------|
|                  |                  |                   |         |                     | Stream Impacts (Linear Feet) |           |             |        |              | Wetland Impacts (Acres) |          |               | Stream Impacts (Linear Feet) |           |              |         |               | Wetland Impacts (Acres) |       |           |                |                   |
| Old Permit Sheet | Mod Permit Sheet | WOUS Type         | WOUS ID | Approximate Station | Pipe                         | Culvert 1 | Morphologic | RipRap | Total Stream | Fill                    | Clearing | Total Wetland | Pipe2                        | Culvert 2 | Morphologic2 | Riprap2 | Total Stream2 | Net Change (+/-)        | Fill2 | Clearing3 | Total Wetland2 | Net Change (+/-)2 |
| 10               | 10               | Wetland           | WL 1    | 105+00              |                              |           |             |        | 0            | 0.76                    | 0.13     | 0.89          |                              |           |              |         | 0             | 0                       | 0.91  | 0.1       | 1.01           | 0.12              |
| 11               | 11               | Non-Wetland Water | NWW 3   | 118+00              | 194.2                        |           |             |        | 194.2        |                         |          | 0             | 105                          |           | 38           |         | 143           | -51.2                   |       |           | 0              | 0.00              |
| 11               | 11               | Wetland           | WL 1    | 120+00              |                              |           |             |        | 0            | 2.04                    | 0.2      | 2.24          |                              |           |              |         | 0             | 0                       | 1.64  | 0.25      | 1.89           | -0.35             |
| 11               | 11               | Wetland           | WL 1    | 130+00              |                              |           |             |        | 0            | 4.03                    | 0.35     | 4.38          |                              |           |              |         | 0             | 0                       | 4.19  | 0.4       | 4.59           | 0.21              |
| 12               | 12               | Wetland           | WL 1    | 160+00              |                              |           |             |        | 0            | 2.62                    | 0.24     | 2.86          |                              |           |              |         | 0             | 0                       | 3.85  | 0.27      | 4.12           | 1.26              |
| 12               | 12               | Wetland           | WL 1    | 175+00              |                              |           |             |        | 0            | 1.88                    | 0.22     | 2.1           |                              |           |              |         | 0             | 0                       | 2.4   | 0.42      | 2.82           | 0.72              |
| 12               | 12               | Non-Wetland Water | NWW 3   | 184+00              | 0                            |           |             |        | 0            |                         |          | 0             |                              | 34.7      |              | 10      | 44.7          | 44.7                    |       |           | 0              | 0.00              |
| 13               | 13               | Wetland           | WL 8    | 190+00              |                              |           |             |        | 0            | 1.14                    | 0.23     | 1.37          |                              |           |              |         | 0             | 0                       | 0.93  | 0.21      | 1.14           | -0.23             |
| 13               | 13               | Wetland           | WL 9    | 202+00              |                              |           |             |        | 0            | 0.33                    | 0.08     | 0.41          |                              |           |              |         | 0             | 0                       | 0.33  | 0.08      | 0.41           | 0.00              |
| 13               | 13               | Wetland           | WL 9    | 206+00              |                              |           |             |        | 0            | 1.35                    | 0.35     | 1.7           |                              |           |              |         | 0             | 0                       | 1.5   | 0.41      | 1.91           | 0.21              |
| 14               | 14               | Wetland           | WL 9    | 225+00              |                              |           |             |        | 0            | 0.42                    | 0.08     | 0.5           |                              |           |              |         | 0             | 0                       | 0.35  | 0.06      | 0.41           | -0.09             |
| 14               | 14               | Wetland           | WL 10   | 233+00              |                              |           |             |        | 0            | 1.02                    | 0.11     | 1.13          |                              |           |              |         | 0             | 0                       | 0.75  | 0.33      | 1.08           | -0.05             |
| 14               | 14               | Wetland           | WL 11   | 241+00              |                              |           |             |        | 0            | 1.26                    | 0.1      | 1.36          |                              |           |              |         | 0             | 0                       | 1.09  | 0.33      | 1.42           | 0.06              |
| 15               | 15               | Wetland           | WL 11   | 255+00              |                              |           |             |        | 0            | 7.03                    | 0.32     | 7.35          |                              |           |              |         | 0             | 0                       | 5.9   | 1.11      | 7.01           | -0.34             |
| 16               | 16               | Wetland           | WL 11   | 263+00              |                              |           |             |        | 0            | 0.02                    |          | 0.02          |                              |           |              |         | 0             | 0                       | 0.01  | 0.01      | 0.02           | 0.00              |
| 16               | 16               | Wetland           | WL 13   | 280+00              |                              |           |             |        | 0            | 1.45                    | 0.07     | 1.52          |                              |           |              |         | 0             | 0                       | 1.15  | 0.23      | 1.38           | -0.14             |
| 16               | 16A              | Wetland           | WL 13   | 286+00              |                              |           |             |        | 0            | 4.95                    | 0.36     | 5.31          |                              |           |              |         | 0             | 0                       | 3.34  | 1.14      | 4.48           | -0.83             |
| 17               | 17               | Wetland           | WL 13   | 305+00              |                              |           |             |        | 0            | 0.42                    | 0.07     | 0.49          |                              |           |              |         | 0             | 0                       | 0.27  | 0.05      | 0.32           | -0.17             |
| 17               | 17               | Wetland           | WL 15   | 315+00              |                              |           |             |        | 0            | 0.11                    | 0.04     | 0.15          |                              |           |              |         | 0             | 0                       | 0.1   | 0.1       | 0.2            | 0.05              |
| 17               | 17               | Wetland           | WL 15   | 324+00              |                              |           |             |        | 0            | 0                       | 0        | 0             |                              |           |              |         | 0             | 0                       | 0.06  | 0.02      | 0.08           | 0.08              |
| 17               | 17               | Wetland           | WL 15   | 335+00              |                              |           |             |        | 0            | 1.31                    | 0.29     | 1.6           |                              |           |              |         | 0             | 0                       | 1.1   | 0.33      | 1.43           | -0.17             |
| 18               | 18               | Wetland           | WL 15   | 342+00              |                              |           |             |        | 0            | 0.29                    | 0.06     | 0.35          |                              |           |              |         | 0             | 0                       | 0.26  | 0.05      | 0.31           | -0.04             |
| 18               | 18               | Wetland           | WL 16   | 355+00              |                              |           |             |        | 0            | 0.26                    | 0.03     | 0.29          |                              |           |              |         | 0             | 0                       | 0.16  | 0.09      | 0.25           | -0.04             |
| 18               | 18               | Wetland           | WL 17   | 357+00              |                              |           |             |        | 0            | 0.69                    | 0.08     | 0.77          |                              |           |              |         | 0             | 0                       | 0.36  | 0.09      | 0.45           | -0.32             |
| 18               | 18A              | Wetland           | WL 18   | 366+00              |                              |           |             |        | 0            | 1.62                    | 0.2      | 1.82          |                              |           |              |         | 0             | 0                       | 1.14  | 0.29      | 1.43           | -0.39             |
| 19               | 19               | Wetland           | WL 18   | 382+00              |                              |           |             |        | 0            | 0.36                    | 0.09     | 0.45          |                              |           |              |         | 0             | 0                       | 0.32  | 0.06      | 0.38           | -0.07             |
| 19               | 19               | Wetland           | WL 19   | 392+00              |                              |           |             |        | 0            | 1.25                    | 0.23     | 1.48          |                              |           |              |         | 0             | 0                       | 0.87  | 0.23      | 1.1            | -0.38             |
| 19               | 19A              | Wetland           | WL 19   | 401+00              |                              |           |             |        | 0            | 0.4                     | 0.06     | 0.46          |                              |           |              |         | 0             | 0                       | 0.27  | 0.88      | 1.15           | 0.69              |
| 19               | 19A              | Wetland           | WL 20   | 408+00              |                              |           |             |        | 0            | 0.55                    | 0.1      | 0.65          |                              |           |              |         | 0             | 0                       | 0.96  | 0.12      | 1.08           | 0.43              |
| 19               | 19A              | Wetland           | WL 21   | 415+00              |                              |           |             |        | 0            | 1.46                    | 0.16     | 1.62          |                              |           |              |         | 0             | 0                       | 0.93  | 0.2       | 1.13           | -0.49             |
| 20               | 20               | Wetland           | WL 21   | 422+00              |                              |           |             |        | 0            | 0.4                     | 0.05     | 0.45          |                              |           |              |         | 0             | 0                       | 0.25  | 0.08      | 0.33           | -0.12             |
| 20               | 20               | Wetland           | WL 22   | 433+00              |                              |           |             |        | 0            | 0.33                    | 0.06     | 0.39          |                              |           |              |         | 0             | 0                       | 0.23  | 0.08      | 0.31           | -0.08             |
| 20               | 20               | Wetland           | WL 23   | 440+00              |                              |           |             |        | 0            | 0.02                    | 0.001    | 0.021         |                              |           |              |         | 0             | 0                       | 0.02  | 0.001     | 0.021          | 0.00              |
| 20               | 20               | Wetland           | WL 23   | 442+00              |                              |           |             |        | 0            | 1.81                    | 0.37     | 2.18          |                              |           |              |         | 0             | 0                       | 1.51  | 0.5       | 2.01           | -0.17             |
| 21               | 21               | Wetland           | WL 24   | 465+00              |                              |           |             |        | 0            | 1.1                     | 0.22     | 1.32          |                              |           |              |         | 0             | 0                       | 1.03  | 0.33      | 1.36           | 0.04              |
| 21               | 21               | Wetland           | WL 25   | 486+00              |                              |           |             |        | 0            | 0.53                    | 0.12     | 0.65          |                              |           |              |         | 0             | 0                       | 0.53  | 0.15      | 0.68           | 0.03              |
| 22               | 22               | Wetland           | WL 26   | 505+00              |                              |           |             |        | 0            | 1.56                    | 0.33     | 1.89          |                              |           |              |         | 0             | 0                       | 1.52  | 0.54      | 2.06           | 0.17              |
| 22               | 22               | Wetland           | WL 26   | 522+00              |                              |           |             |        | 0            | 0.56                    | 0.11     | 0.67          |                              |           |              |         | 0             | 0                       | 0.54  | 0.11      | 0.65           | -0.02             |
| 22               | 22               | Wetland           | WL 28   | 539+00              |                              |           |             |        | 0            | 0.17                    | 0.05     | 0.22          |                              |           |              |         | 0             | 0                       | 0.19  | 0.03      | 0.22           | 0.00              |
| 23               | 23               | Wetland           | WL 28   | 544+00              |                              |           |             |        | 0            | 1.85                    | 0.36     | 2.21          |                              |           |              |         | 0             | 0                       | 1.71  | 0.65      | 2.36           | 0.15              |
| 23               | 23               | Wetland           | WL 29   | 559+00              |                              |           |             |        | 0            | 0.05                    | 0.01     | 0.06          |                              |           |              |         | 0             | 0                       | 0.11  | 0.02      | 0.13           | 0.07              |
| 23               | 23               | Wetland           | WL 29   | 564+00              |                              |           |             |        | 0            | 0.55                    | 0.12     | 0.67          |                              |           |              |         | 0             | 0                       | 0.63  | 0.12      | 0.75           | 0.08              |
| 24               | 24               | Wetland           | WL 31   | 588+00              |                              |           |             |        | 0            | 0.36                    | 0.06     | 0.42          |                              |           |              |         | 0             | 0                       | 0.3   | 0.05      | 0.35           | -0.07             |
| 24               | 24               | Wetland           | WL 32   | 594+00              |                              |           |             |        | 0            | 0.56                    | 0.1      | 0.66          |                              |           |              |         | 0             | 0                       | 0.43  | 0.14      | 0.57           | -0.09             |
| 24               | 24               | Wetland           | WL 33   | 609+00              |                              |           |             |        | 0            | 1.25                    | 0.25     | 1.5           |                              |           |              |         | 0             | 0                       | 1.04  | 0.24      | 1.28           | -0.22             |
| 25               | 25               | Wetland           | WL 33   | 622+00              |                              |           |             |        | 0            | 0.46                    | 0.08     | 0.54          |                              |           |              |         | 0             | 0                       | 0.44  | 0.08      | 0.52           | -0.02             |
| 25               | 25               | Wetland           | WL 34   | 632+00              |                              |           |             |        | 0            | 1.42                    | 0.29     | 1.71          |                              |           |              |         | 0             | 0                       | 1.39  | 0.36      | 1.75           | 0.04              |
| 25               | 25               | Wetland           | WL 34   | 645+00              |                              |           |             |        | 0            | 0.77                    | 0.18     | 0.95          |                              |           |              |         | 0             | 0                       | 0.68  | 0.13      | 0.81           | -0.14             |
| 26               | 26               | Wetland           | WL 35   | 665+00              |                              |           |             |        | 0            | 1.47                    | 0.22     | 1.69          |                              |           |              |         | 0             | 0                       | 0.94  | 0.26      | 1.2            | -0.49             |
| 26               | 26               | Wetland           | WL 36   | 678+00              |                              |           |             |        | 0            | 0.17                    | 0.02     | 0.19          |                              |           |              |         | 0             | 0                       | 0.11  | 0.05      | 0.16           | -0.03             |
| 26               | 26               | Wetland           | WL 36   | 683+00              |                              |           |             |        | 0            | 1.93                    | 0.3      | 2.23          |                              |           |              |         | 0             | 0                       | 1.45  | 0.43      | 1.88           | -0.35             |

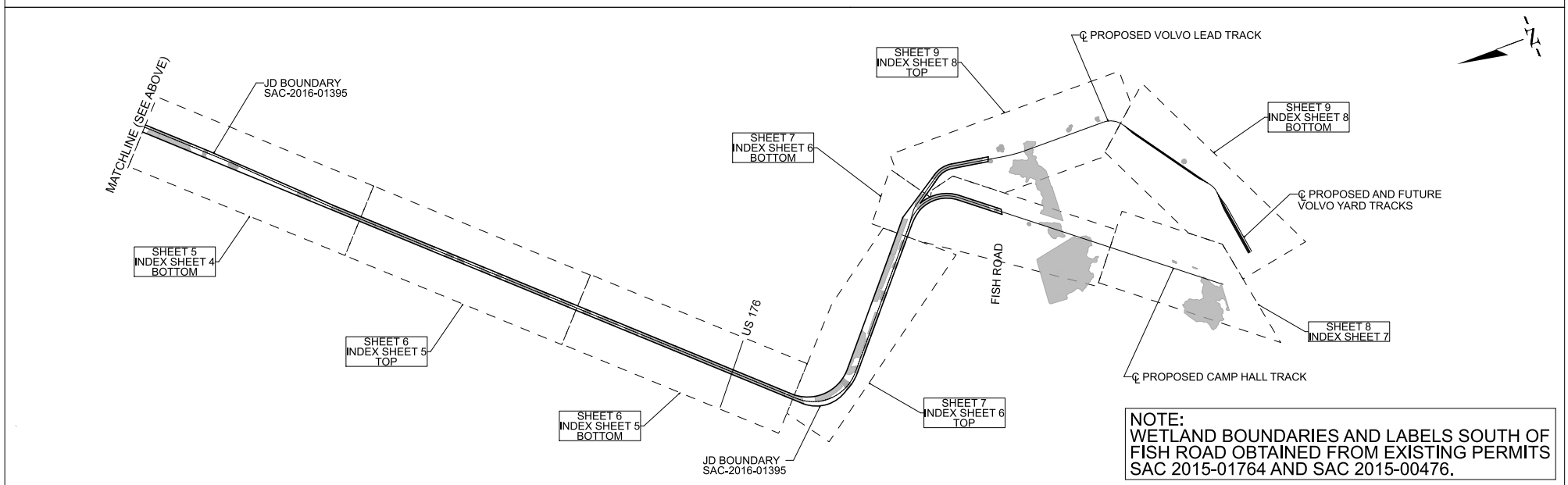
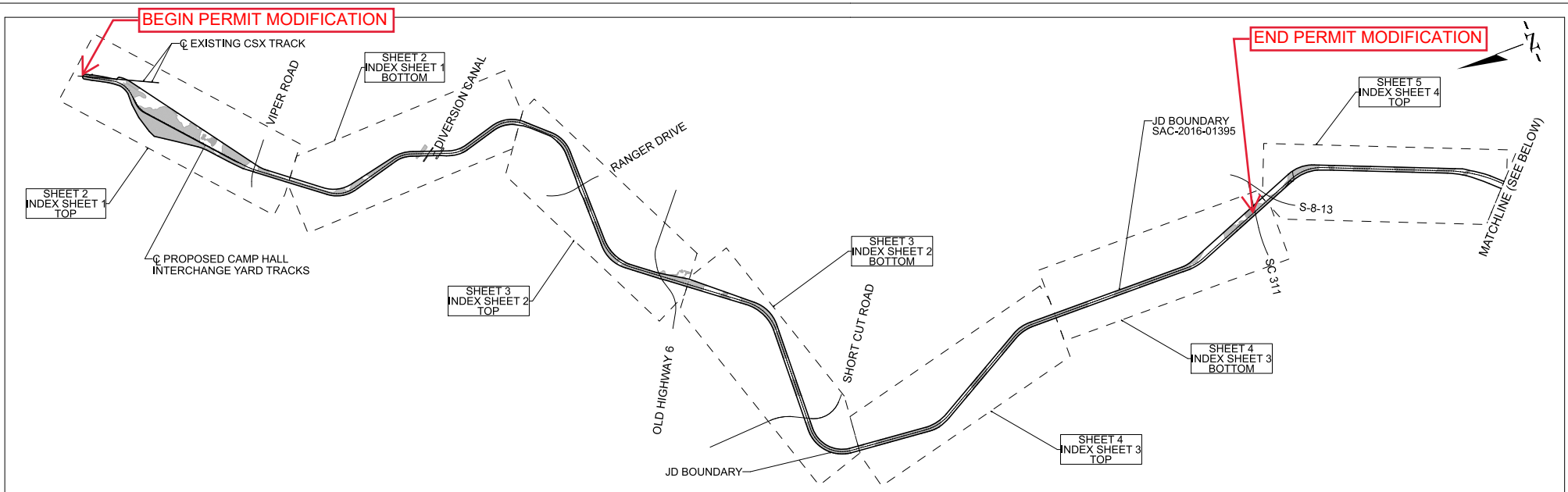


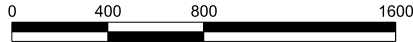
|                  |                  |                   |         |                     | Original Permit              |           |             |        |              |                         |          |               | Permit Modification          |           |              |         |               |                  |                         |           |                |                   |
|------------------|------------------|-------------------|---------|---------------------|------------------------------|-----------|-------------|--------|--------------|-------------------------|----------|---------------|------------------------------|-----------|--------------|---------|---------------|------------------|-------------------------|-----------|----------------|-------------------|
|                  |                  |                   |         |                     | Stream Impacts (Linear Feet) |           |             |        |              | Wetland Impacts (Acres) |          |               | Stream Impacts (Linear Feet) |           |              |         |               |                  | Wetland Impacts (Acres) |           |                |                   |
| Old Permit Sheet | Mod Permit Sheet | WOUS Type         | WOUS ID | Approximate Station | Pipe                         | Culvert 1 | Morphologic | RipRap | Total Stream | Fill                    | Clearing | Total Wetland | Pipe2                        | Culvert 2 | Morphologic2 | Riprap2 | Total Stream2 | Net Change (+/-) | Fill2                   | Clearing3 | Total Wetland2 | Net Change (+/-)2 |
| 27               | 27               | Wetland           | WL 37   | 718+00              |                              |           |             |        | 0            | 0.47                    | 0.08     | 0.55          |                              |           |              |         | 0             | 0                | 0.32                    | 0.65      | 0.97           | 0.42              |
| 27               | 27               | Wetland           | WL 37   | 721+00              |                              |           |             |        | 0            | 0.3                     | 0.04     | 0.34          |                              |           |              |         | 0             | 0                | 0.16                    | 0.26      | 0.42           | 0.08              |
| 27               | 27               | Wetland           | WL 38   | 724+00              |                              |           |             |        | 0            | 0.49                    | 0.03     | 0.52          |                              |           |              |         | 0             | 0                | 0.92                    | 0.02      | 0.94           | 0.42              |
| 27               | 27               | Wetland           | WL 39   | 726+00              |                              |           |             |        | 0            | 0.31                    | 0.03     | 0.34          |                              |           |              |         | 0             | 0                | 0.15                    | 0.22      | 0.37           | 0.03              |
| 27               | 27               | Wetland           | WL 40   | 731+00              |                              |           |             |        | 0            | 0.48                    | 0.06     | 0.54          |                              |           |              |         | 0             | 0                | 0.23                    | 0.48      | 0.71           | 0.17              |
|                  |                  |                   |         | Subtotals           | 194.2                        | 0         | 0           | 0      | 194.2        | 58.39                   | 7.791    | 66.181        | 105                          | 34.7      | 38           | 10      | 187.7         | -6.5             | 51.97                   | 13.841    | 65.811         | -0.37             |
| END MOD          |                  |                   |         |                     |                              |           |             |        |              |                         |          |               |                              |           |              |         |               |                  |                         |           |                |                   |
| 27               |                  | Wetland           | WL 41   | 739+00              |                              |           |             |        | 0            | 0.55                    | 0.12     | 0.67          |                              |           |              |         | 0             | 0                | 0.55                    | 0.12      | 0.67           | 0.00              |
| 28               |                  | Wetland           | WL 41   | 741+00              |                              |           |             |        | 0            | 0.08                    | 0.01     | 0.09          |                              |           |              |         | 0             | 0                | 0.08                    | 0.01      | 0.09           | 0.00              |
| 28               |                  | Wetland           | WL 42   | 742+00              |                              |           |             |        | 0            | 0.24                    | 0.04     | 0.28          |                              |           |              |         | 0             | 0                | 0.24                    | 0.04      | 0.28           | 0.00              |
| 28               |                  | Wetland           | WL 42   | 743+00              |                              |           |             |        | 0            | 0.29                    |          | 0.29          |                              |           |              |         | 0             | 0                | 0.29                    |           | 0.29           | 0.00              |
| 28               |                  | Wetland           | WL 44   | 751+00              |                              |           |             |        | 0            | 0.64                    | 0.06     | 0.7           |                              |           |              |         | 0             | 0                | 0.64                    | 0.06      | 0.7            | 0.00              |
| 28               |                  | Wetland           | WL 44   | 752+00              |                              |           |             |        | 0            | 0.55                    |          | 0.55          |                              |           |              |         | 0             | 0                | 0.55                    |           | 0.55           | 0.00              |
| 28               |                  | Non-Wetland Water | NWW 45  | 750+00              |                              |           | 222         |        | 222          |                         |          | 0             |                              |           | 222          |         | 222           | 0                |                         |           | 0              | 0.00              |
| 28               |                  | Non-Wetland Water | NWW 45  | 755+00              | 121                          |           |             |        | 121          |                         |          | 0             | 121                          |           |              |         | 121           | 0                |                         |           | 0              | 0.00              |
| 28               |                  | Wetland           | WL 46   | 754+00              |                              |           |             |        | 0            | 0.001                   |          | 0.001         |                              |           |              |         | 0             | 0                | 0.001                   |           | 0.001          | 0.00              |
| 28               |                  | Wetland           | WL 46   | 759+00              |                              |           |             |        | 0            | 1.53                    | 0.14     | 1.67          |                              |           |              |         | 0             | 0                | 1.53                    | 0.14      | 1.67           | 0.00              |
| 28               |                  | Wetland           | WL 46   | 761+00              |                              |           |             |        | 0            | 1.4                     | 0.12     | 1.52          |                              |           |              |         | 0             | 0                | 1.4                     | 0.12      | 1.52           | 0.00              |
| 28               |                  | Wetland           | WL 47   | 772+00              |                              |           |             |        | 0            | 0.35                    | 0.03     | 0.38          |                              |           |              |         | 0             | 0                | 0.35                    | 0.03      | 0.38           | 0.00              |
| 29               |                  | Wetland           | WL 48   | 784+00              |                              |           |             |        | 0            | 0.85                    | 0.12     | 0.97          |                              |           |              |         | 0             | 0                | 0.85                    | 0.12      | 0.97           | 0.00              |
| 29               |                  | Wetland           | WL 49   | 799+00              |                              |           |             |        | 0            | 0.06                    | 0.02     | 0.08          |                              |           |              |         | 0             | 0                | 0.06                    | 0.02      | 0.08           | 0.00              |
| 29               |                  | Wetland           | WL 49   | 806+00              |                              |           |             |        | 0            | 0.6                     | 0.13     | 0.73          |                              |           |              |         | 0             | 0                | 0.6                     | 0.13      | 0.73           | 0.00              |
| 29               |                  | Wetland           | WL 50   | 819+00              |                              |           |             |        | 0            | 0.3                     | 0.06     | 0.36          |                              |           |              |         | 0             | 0                | 0.3                     | 0.06      | 0.36           | 0.00              |
| 30               |                  | Wetland           | WL 50   | 822+00              |                              |           |             |        | 0            | 0.23                    | 0.05     | 0.28          |                              |           |              |         | 0             | 0                | 0.23                    | 0.05      | 0.28           | 0.00              |
| 30               |                  | Wetland           | WL 51   | 830+00              |                              |           |             |        | 0            | 0.2                     | 0.03     | 0.23          |                              |           |              |         | 0             | 0                | 0.2                     | 0.03      | 0.23           | 0.00              |
| 30               |                  | Wetland           | WL 52   | 851+00              |                              |           |             |        | 0            | 0.38                    | 0.08     | 0.46          |                              |           |              |         | 0             | 0                | 0.38                    | 0.08      | 0.46           | 0.00              |
| 30               |                  | Wetland           | WL 53   | 857+00              |                              |           |             |        | 0            | 0.85                    | 0.13     | 0.98          |                              |           |              |         | 0             | 0                | 0.85                    | 0.13      | 0.98           | 0.00              |
| 31               |                  | Wetland           | WL 53   | 864+00              |                              |           |             |        | 0            | 0.85                    | 0.12     | 0.97          |                              |           |              |         | 0             | 0                | 0.85                    | 0.12      | 0.97           | 0.00              |
| 31               |                  | Wetland           | WL 55   | 873+00              |                              |           |             |        | 0            | 0.25                    | 0.03     | 0.28          |                              |           |              |         | 0             | 0                | 0.25                    | 0.03      | 0.28           | 0.00              |
| 31               |                  | Wetland           | WL 55   | 874+00              |                              |           |             |        | 0            | 0.13                    |          | 0.13          |                              |           |              |         | 0             | 0                | 0.13                    |           | 0.13           | 0.00              |
| 31               |                  | Wetland           | WL 56   | 887+00              |                              |           |             |        | 0            | 0.44                    | 0.07     | 0.51          |                              |           |              |         | 0             | 0                | 0.44                    | 0.07      | 0.51           | 0.00              |
| 32               |                  | Wetland           | WL 57   | 917+00              |                              |           |             |        | 0            | 0.32                    | 0.05     | 0.37          |                              |           |              |         | 0             | 0                | 0.32                    | 0.05      | 0.37           | 0.00              |
| 32               |                  | Wetland           | WL 57   | 918+00              |                              |           |             |        | 0            | 0.2                     |          | 0.2           |                              |           |              |         | 0             | 0                | 0.2                     |           | 0.2            | 0.00              |
| 32               |                  | Wetland           | WL 57   | 921+00              |                              |           |             |        | 0            | 0.3                     | 0.06     | 0.36          |                              |           |              |         | 0             | 0                | 0.3                     | 0.06      | 0.36           | 0.00              |
| 32               |                  | Wetland           | WL 58   | 933+00              |                              |           |             |        | 0            | 0.08                    |          | 0.08          |                              |           |              |         | 0             | 0                | 0.08                    |           | 0.08           | 0.00              |
| 32               |                  | Wetland           | WL 58   | 935+00              |                              |           |             |        | 0            | 0.79                    | 0.13     | 0.92          |                              |           |              |         | 0             | 0                | 0.79                    | 0.13      | 0.92           | 0.00              |
| 33               |                  | Wetland           | WL 58   | 941+00              |                              |           |             |        | 0            | 1.66                    | 0.25     | 1.91          |                              |           |              |         | 0             | 0                | 1.66                    | 0.25      | 1.91           | 0.00              |
| 33               |                  | Wetland           | WL 59   | 955+00              |                              |           |             |        | 0            | 0.68                    | 0.13     | 0.81          |                              |           |              |         | 0             | 0                | 0.68                    | 0.13      | 0.81           | 0.00              |
| 33               |                  | Wetland           | WL 59   | 970+00              |                              |           |             |        | 0            | 2.61                    | 0.36     | 2.97          |                              |           |              |         | 0             | 0                | 2.61                    | 0.36      | 2.97           | 0.00              |
| 34               |                  | Wetland           | WL 60   | 987+00              |                              |           |             |        | 0            | 0.46                    | 0.06     | 0.52          |                              |           |              |         | 0             | 0                | 0.46                    | 0.06      | 0.52           | 0.00              |
| 34               |                  | Wetland           | WL 61   | 992+00              |                              |           |             |        | 0            | 0.43                    | 0.05     | 0.48          |                              |           |              |         | 0             | 0                | 0.43                    | 0.05      | 0.48           | 0.00              |
| 34               |                  | Wetland           | WL 62   | 1003+00             |                              |           |             |        | 0            | 0.28                    | 0.05     | 0.33          |                              |           |              |         | 0             | 0                | 0.28                    | 0.05      | 0.33           | 0.00              |
| 34               |                  | Wetland           | WL 63   | 1010+00             |                              |           |             |        | 0            | 0.32                    | 0.04     | 0.36          |                              |           |              |         | 0             | 0                | 0.32                    | 0.04      | 0.36           | 0.00              |
| 34               |                  | Wetland           | WL 64   | 1015+00             |                              |           |             |        | 0            | 0.73                    | 0.13     | 0.86          |                              |           |              |         | 0             | 0                | 0.73                    | 0.13      | 0.86           | 0.00              |
| 35               |                  | Wetland           | WL 64   | 1022+00             |                              |           |             |        | 0            | 1.28                    | 0.21     | 1.49          |                              |           |              |         | 0             | 0                | 1.28                    | 0.21      | 1.49           | 0.00              |
| 35               |                  | Wetland           | WL 65   | 1032+00             |                              |           |             |        | 0            | 0.18                    | 0.03     | 0.21          |                              |           |              |         | 0             | 0                | 0.18                    | 0.03      | 0.21           | 0.00              |
| 35               |                  | Wetland           | WL 66   | 1039+00             |                              |           |             |        | 0            | 0.15                    | 0.03     | 0.18          |                              |           |              |         | 0             | 0                | 0.15                    | 0.03      | 0.18           | 0.00              |
| 35               |                  | Wetland           | WL 66   | 1041+00             |                              |           |             |        | 0            | 0.3                     | 0.55     | 0.85          |                              |           |              |         | 0             | 0                | 0.3                     | 0.55      | 0.85           | 0.00              |
| 35               |                  | Wetland           | WL 67   | 1049+00             |                              |           |             |        | 0            | 0.09                    | 0.02     | 0.11          |                              |           |              |         | 0             | 0                | 0.09                    | 0.02      | 0.11           | 0.00              |
| 35               |                  | Wetland           | WL 68   | 1051+00             |                              |           |             |        | 0            | 0.35                    | 0.03     | 0.38          |                              |           |              |         | 0             | 0                | 0.35                    | 0.03      | 0.38           | 0.00              |
| 35               |                  | Wetland           | WL 69   | 1059+00             |                              |           |             |        | 0            | 0.53                    | 0.07     | 0.6           |                              |           |              |         | 0             | 0                | 0.53                    | 0.07      | 0.6            | 0.00              |

|                                |                  |           |            |                     | Original Permit              |           |             |        |              |                         |          |               | Permit Modification          |           |              |         |               |                  |                         |           |                |                   |
|--------------------------------|------------------|-----------|------------|---------------------|------------------------------|-----------|-------------|--------|--------------|-------------------------|----------|---------------|------------------------------|-----------|--------------|---------|---------------|------------------|-------------------------|-----------|----------------|-------------------|
|                                |                  |           |            |                     | Stream Impacts (Linear Feet) |           |             |        |              | Wetland Impacts (Acres) |          |               | Stream Impacts (Linear Feet) |           |              |         |               |                  | Wetland Impacts (Acres) |           |                |                   |
| Old Permit Sheet               | Mod Permit Sheet | WOUS Type | WOUS ID    | Approximate Station | Pipe                         | Culvert 1 | Morphologic | RipRap | Total Stream | Fill                    | Clearing | Total Wetland | Pipe2                        | Culvert 2 | Morphologic2 | Riprap2 | Total Stream2 | Net Change (+/-) | Fill2                   | Clearing3 | Total Wetland2 | Net Change (+/-)2 |
| 36                             |                  | Wetland   | WL 69      | 1062+00             |                              |           |             |        | 0            | 0.41                    | 0.07     | 0.48          |                              |           |              |         | 0             | 0                | 0.41                    | 0.07      | 0.48           | 0.00              |
| 36                             |                  | Wetland   | WL 70      | 1072+00             |                              |           |             |        | 0            | 0.62                    | 0.11     | 0.73          |                              |           |              |         | 0             | 0                | 0.62                    | 0.11      | 0.73           | 0.00              |
| 36                             |                  | Wetland   | WL 71      | 1079+00             |                              |           |             |        | 0            | 0.58                    | 0.07     | 0.65          |                              |           |              |         | 0             | 0                | 0.58                    | 0.07      | 0.65           | 0.00              |
| 36                             |                  | Wetland   | WL 71      | 1087+00             |                              |           |             |        | 0            | 1.17                    | 0.21     | 1.38          |                              |           |              |         | 0             | 0                | 1.17                    | 0.21      | 1.38           | 0.00              |
| 36                             |                  | Wetland   | WL 72      | 1092+00             |                              |           |             |        | 0            | 1.03                    | 0.16     | 1.19          |                              |           |              |         | 0             | 0                | 1.03                    | 0.16      | 1.19           | 0.00              |
| 37                             |                  | Wetland   | WL 72      | 1105+00             |                              |           |             |        | 0            | 1.8                     | 0.32     | 2.12          |                              |           |              |         | 0             | 0                | 1.8                     | 0.32      | 2.12           | 0.00              |
| 37                             |                  | Wetland   | WL 73      | 1119+00             |                              |           |             |        | 0            | 0.3                     | 0.04     | 0.34          |                              |           |              |         | 0             | 0                | 0.3                     | 0.04      | 0.34           | 0.00              |
| 37                             |                  | Wetland   | WL 73      | 1128+00             |                              |           |             |        | 0            | 2.16                    | 0.36     | 2.52          |                              |           |              |         | 0             | 0                | 2.16                    | 0.36      | 2.52           | 0.00              |
| 38                             |                  | Wetland   | WL 73      | 1141+00             |                              |           |             |        | 0            | 0.24                    | 0.04     | 0.28          |                              |           |              |         | 0             | 0                | 0.24                    | 0.04      | 0.28           | 0.00              |
| 38                             |                  | Wetland   | WL 74      | 1146+00             |                              |           |             |        | 0            | 0.8                     | 0.14     | 0.94          |                              |           |              |         | 0             | 0                | 0.8                     | 0.14      | 0.94           | 0.00              |
| 38                             |                  | Wetland   | WL 75      | 1158+00             |                              |           |             |        | 0            | 0.26                    | 0.03     | 0.29          |                              |           |              |         | 0             | 0                | 0.26                    | 0.03      | 0.29           | 0.00              |
| 39                             |                  | Wetland   | WL 75      | 1161+00             |                              |           |             |        | 0            | 0.15                    | 0.02     | 0.17          |                              |           |              |         | 0             | 0                | 0.15                    | 0.02      | 0.17           | 0.00              |
| 39                             |                  | Wetland   | WL 76      | 1172+00             |                              |           |             |        | 0            | 0.33                    | 0.05     | 0.38          |                              |           |              |         | 0             | 0                | 0.33                    | 0.05      | 0.38           | 0.00              |
| 39                             |                  | Wetland   | WL 76      | 1171+00             |                              |           |             |        | 0            | 0.22                    |          | 0.22          |                              |           |              |         | 0             | 0                | 0.22                    |           | 0.22           | 0.00              |
| 39                             |                  | Wetland   | WL 77      | 1178+00             |                              |           |             |        | 0            | 0.19                    |          | 0.19          |                              |           |              |         | 0             | 0                | 0.19                    |           | 0.19           | 0.00              |
| 39                             |                  | Wetland   | WL 77      | 1179+00             |                              |           |             |        | 0            | 0.29                    | 0.03     | 0.32          |                              |           |              |         | 0             | 0                | 0.29                    | 0.03      | 0.32           | 0.00              |
| 40                             |                  | Wetland   | WL 77      | 1180+00             |                              |           |             |        | 0            | 0.05                    |          | 0.05          |                              |           |              |         | 0             | 0                | 0.05                    |           | 0.05           | 0.00              |
| 40                             |                  | Wetland   | WL 77      | 1181+00             |                              |           |             |        | 0            | 0.15                    | 0.04     | 0.19          |                              |           |              |         | 0             | 0                | 0.15                    | 0.04      | 0.19           | 0.00              |
| 40                             |                  | Wetland   | WL 77      | 1185+00             |                              |           |             |        | 0            | 0.65                    |          | 0.65          |                              |           |              |         | 0             | 0                | 0.65                    |           | 0.65           | 0.00              |
| 40                             |                  | Wetland   | WL 78      | 1191+00             |                              |           |             |        | 0            | 0.31                    | 0.04     | 0.35          |                              |           |              |         | 0             | 0                | 0.31                    | 0.04      | 0.35           | 0.00              |
| 40                             |                  | Wetland   | WL 79      | 1199+00             |                              |           |             |        | 0            | 0.82                    | 0.55     | 1.37          |                              |           |              |         | 0             | 0                | 0.82                    | 0.55      | 1.37           | 0.00              |
| 40                             |                  | Wetland   | WL 79      | 1201+00             |                              |           |             |        | 0            | 0.82                    | 0.67     | 1.49          |                              |           |              |         | 0             | 0                | 0.82                    | 0.67      | 1.49           | 0.00              |
| 40                             |                  | Wetland   | WL 81      | 1213+00             |                              |           |             |        | 0            | 0.6                     | 0.66     | 1.26          |                              |           |              |         | 0             | 0                | 0.6                     | 0.66      | 1.26           | 0.00              |
| 41                             |                  | Wetland   | WL 83      | 1226+00             |                              |           |             |        | 0            | 0.34                    | 0.19     | 0.53          |                              |           |              |         | 0             | 0                | 0.34                    | 0.19      | 0.53           | 0.00              |
| 41                             |                  | Wetland   | WL 85      | 1235+00             |                              |           |             |        | 0            | 0.61                    | 0.48     | 1.09          |                              |           |              |         | 0             | 0                | 0.61                    | 0.48      | 1.09           | 0.00              |
| 42                             |                  | Wetland   | WL 86      | 114+00              |                              |           |             |        | 0            | 0.51                    | 0.12     | 0.63          |                              |           |              |         | 0             | 0                | 0.51                    | 0.12      | 0.63           | 0.00              |
| 42                             |                  | Wetland   | WL 86      | 1258+00             |                              |           |             |        | 0            | 0.57                    | 0.13     | 0.7           |                              |           |              |         | 0             | 0                | 0.57                    | 0.13      | 0.7            | 0.00              |
| 43                             |                  | Wetland   | WL 86      | 1262+00             |                              |           |             |        | 0            | 1.6                     | 0.33     | 1.93          |                              |           |              |         | 0             | 0                | 1.6                     | 0.33      | 1.93           | 0.00              |
| 43                             |                  | Wetland   | WL 89      | 1279+00             |                              |           |             |        | 0            | 0.26                    | 0.03     | 0.29          |                              |           |              |         | 0             | 0                | 0.26                    | 0.03      | 0.29           | 0.00              |
| 43                             |                  | Wetland   | WL 89      | 1282+00             |                              |           |             |        | 0            | 0.8                     | 0.1      | 0.9           |                              |           |              |         | 0             | 0                | 0.8                     | 0.1       | 0.9            | 0.00              |
| 43                             |                  | Wetland   | WL 90      | 1289+00             |                              |           |             |        | 0            | 0.14                    | 0.03     | 0.17          |                              |           |              |         | 0             | 0                | 0.14                    | 0.03      | 0.17           | 0.00              |
| 44                             |                  | Wetland   | WL 105/108 | 1314+00             |                              |           |             |        | 0            | 0.67                    |          | 0.67          |                              |           |              |         | 0             | 0                | 0.67                    |           | 0.67           | 0.00              |
| 44                             |                  | Wetland   | WL 103     | 1329+00             |                              |           |             |        | 0            | 0.45                    |          | 0.45          |                              |           |              |         | 0             | 0                | 0.45                    |           | 0.45           | 0.00              |
| 46                             |                  | Wetland   | WL 189     | 1382+00             |                              |           |             |        | 0            | 0.16                    |          | 0.16          |                              |           |              |         | 0             | 0                | 0.16                    |           | 0.16           | 0.00              |
| 47                             |                  | Wetland   | WL 86      | 116+00              |                              |           |             |        | 0            | 0.01                    | 0.001    | 0.011         |                              |           |              |         | 0             | 0                | 0.01                    | 0.001     | 0.011          | 0.00              |
| 47                             |                  | Wetland   | WL 88      | 125+00              |                              |           |             |        | 0            | 0.84                    | 0.18     | 1.02          |                              |           |              |         | 0             | 0                | 0.84                    | 0.18      | 1.02           | 0.00              |
| 47                             |                  | Wetland   | WL 88      | 136+00              |                              |           |             |        | 0            | 1.01                    | 0.23     | 1.24          |                              |           |              |         | 0             | 0                | 1.01                    | 0.23      | 1.24           | 0.00              |
| 48                             |                  | Wetland   | WL VV      | 162+00              |                              |           |             |        | 0            | 0.24                    | 0.06     | 0.3           |                              |           |              |         | 0             | 0                | 0.24                    | 0.06      | 0.3            | 0.00              |
| Total Impacts (Entire Project) |                  |           |            |                     | 315.2                        | 0         | 222         | 0      | 537.2        | 103.06                  | 16.89    | 119.95        | 226.00                       | 34.70     | 260.00       | 10.00   | 530.70        | -6.50            | 96.64                   | 22.94     | 119.58         | -0.37             |

| Modification Total Summary |             |                 |                       |            |
|----------------------------|-------------|-----------------|-----------------------|------------|
|                            |             | Original Permit | Proposed Modification | Net Change |
| Streams                    | Pipe        | 315.20          | 226.00                | -89.20     |
|                            | Morphologic | 222.00          | 260.00                | 38.00      |
|                            | Culvert     | 0.00            | 34.70                 | 34.70      |
|                            | Riprap      | 0.00            | 10.00                 | 10.00      |
|                            | Total       | 537.20          | 530.70                | -6.50      |
| Wetland                    | Fill        | 103.06          | 96.64                 | -6.42      |
|                            | Clearing    | 16.89           | 22.94                 | 6.05       |
|                            | Total       | 119.95          | 119.58                | -0.37      |

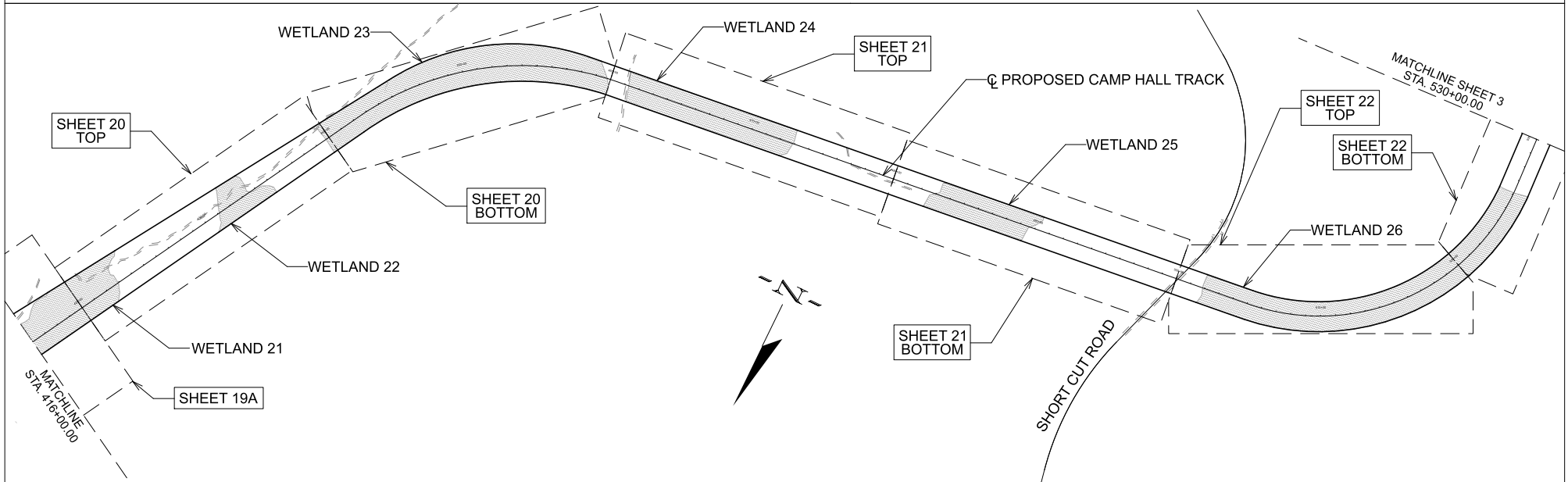
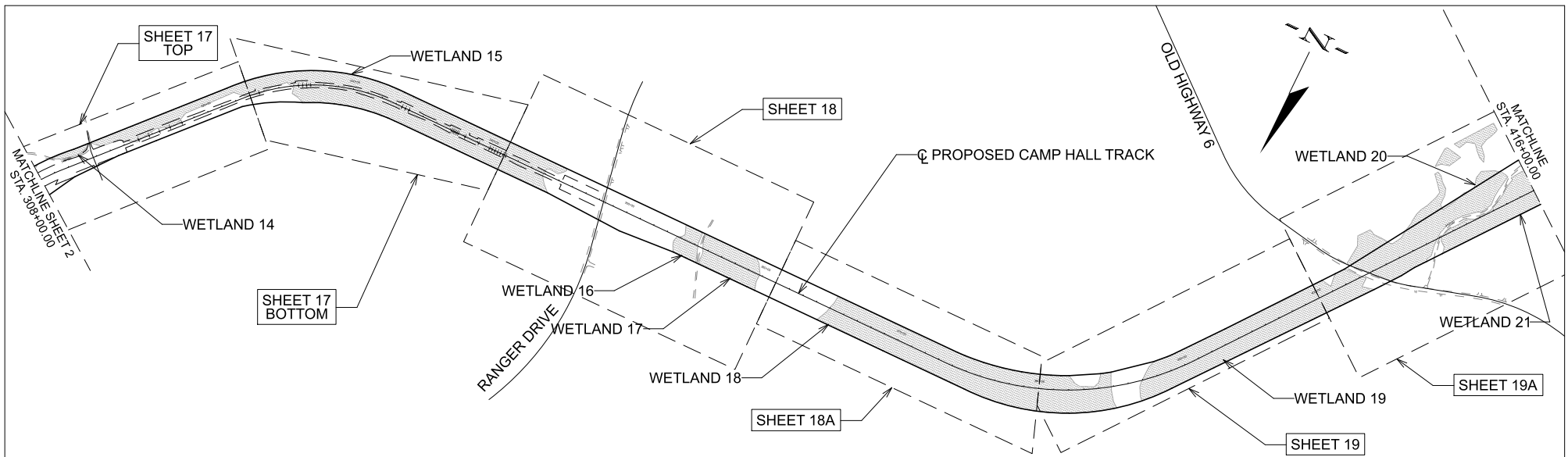
| Color Key |                    |
|-----------|--------------------|
|           | = Impact Reduction |
|           | = Impact Increase  |
|           | = New Impact       |



|                                                                                                                        |                                                                                     |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|----------|--|-------------|--|---------------|--|--------------------|--|-----------------------|--|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>PERMITTEE: PALMETTO RAILWAYS</p> |  | <h2 style="text-align: center;">PROJECT OVERVIEW</h2> | <table border="0"> <tr> <td></td> <td>TNW/SECTION 10 WATERS</td> </tr> <tr> <td></td> <td>WETLANDS</td> </tr> <tr> <td></td> <td>JD BOUNDARY</td> </tr> <tr> <td></td> <td>EXISTING ROAD</td> </tr> <tr> <td></td> <td>NON-WETLAND WATERS</td> </tr> <tr> <td></td> <td>LIMITS OF DISTURBANCE</td> </tr> <tr> <td></td> <td>PROPOSED ROAD</td> </tr> </table> |  | TNW/SECTION 10 WATERS |  | WETLANDS |  | JD BOUNDARY |  | EXISTING ROAD |  | NON-WETLAND WATERS |  | LIMITS OF DISTURBANCE |  | PROPOSED ROAD | <p style="text-align: center;"><b>PALMETTO RAILWAYS</b><br/> <b>CAMP HALL RAIL PROJECT</b><br/>         BERKELEY COUNTY, SOUTH CAROLINA<br/>         DEPARTMENT OF ARMY 404 PERMIT</p> <p>PERMIT # <u>SAC-2016-01395</u></p> <p>DATE: JANUARY 2024 SHEET <u>1</u> OF <u>106</u></p> <div style="text-align: center;">  </div> |
|                                                                                                                        | TNW/SECTION 10 WATERS                                                               |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                        | WETLANDS                                                                            |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                        | JD BOUNDARY                                                                         |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                        | EXISTING ROAD                                                                       |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                        | NON-WETLAND WATERS                                                                  |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                        | LIMITS OF DISTURBANCE                                                               |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                        | PROPOSED ROAD                                                                       |                                                       |                                                                                                                                                                                                                                                                                                                                                               |  |                       |  |          |  |             |  |               |  |                    |  |                       |  |               |                                                                                                                                                                                                                                                                                                                                                                                                                    |







PERMITTEE: PALMETTO RAILWAYS



## INDEX SHEET 2 OF 8

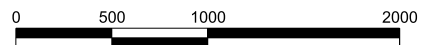
FROM STA. 308+00.00  
TO STA. 530+00.00

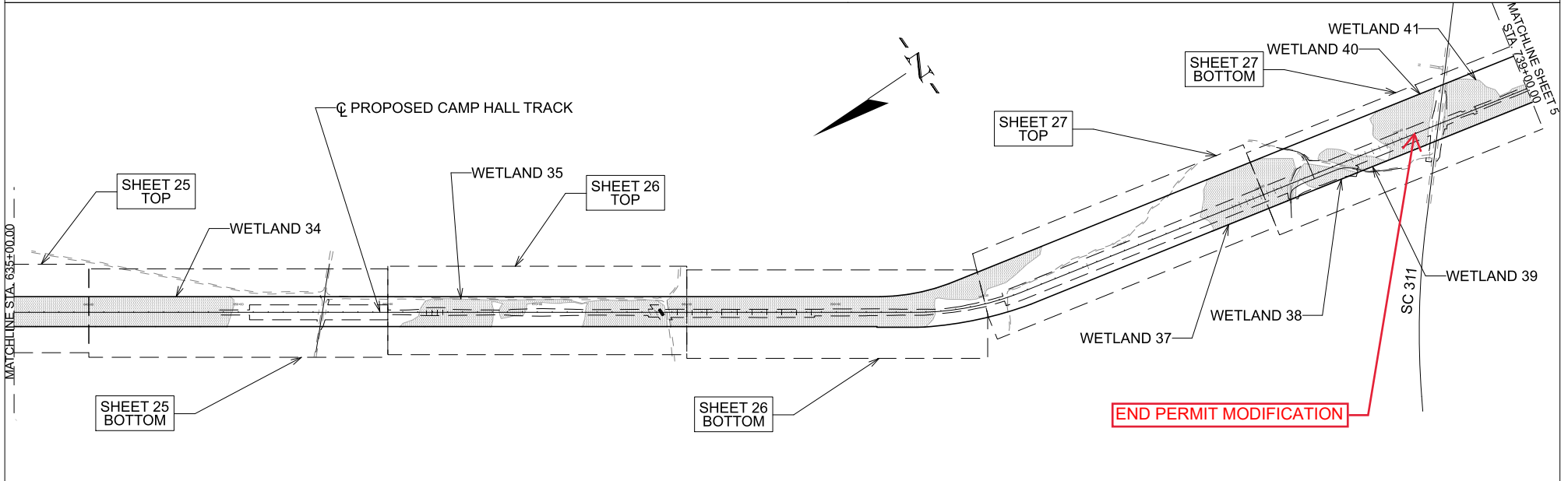
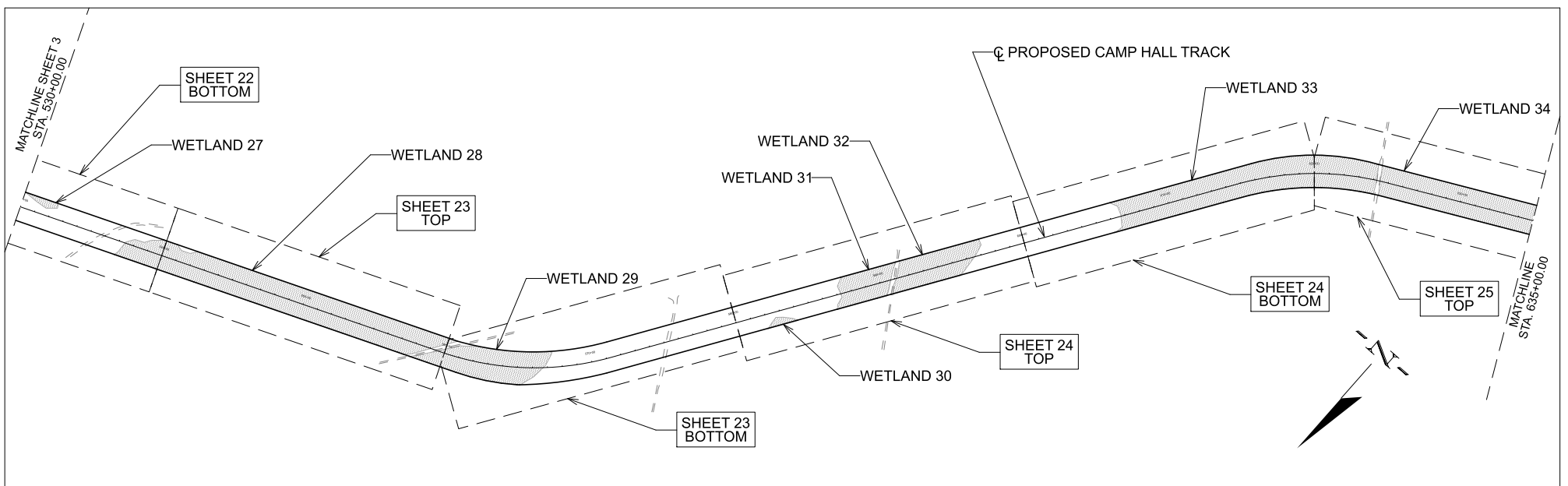
|  |                       |
|--|-----------------------|
|  | TNW/SECTION 10 WATERS |
|  | WETLANDS              |
|  | JD BOUNDARY           |
|  | EXISTING ROAD         |
|  | NON-WETLAND WATERS    |
|  | LIMITS OF DISTURBANCE |
|  | PROPOSED ROAD         |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 3 OF 106





PERMITTEE: PALMETTO RAILWAYS



## INDEX SHEET 3 OF 8

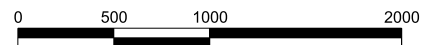
FROM STA. 530+00.00  
TO STA. 739+00.00

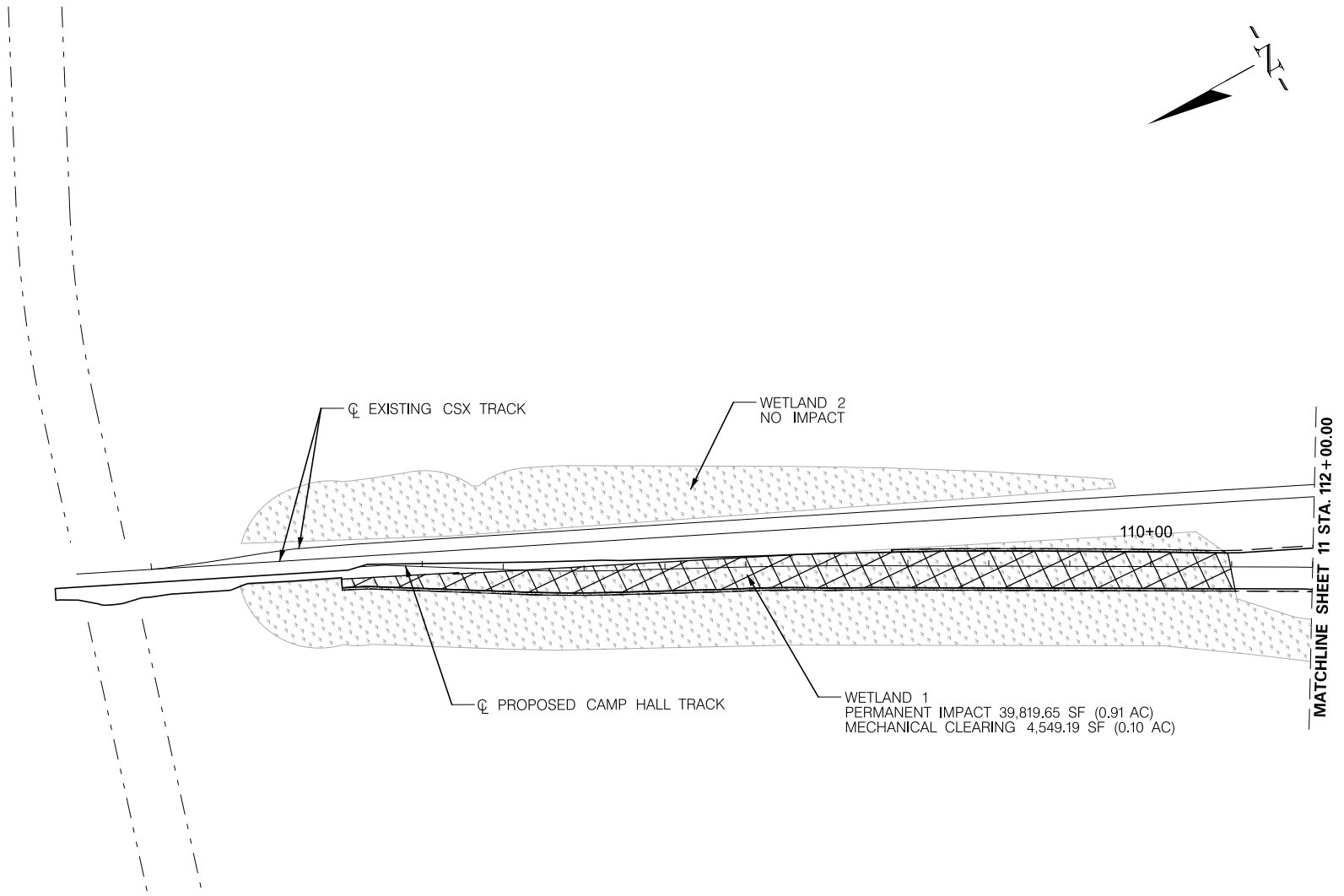
|  |                       |
|--|-----------------------|
|  | TNW/SECTION 10 WATERS |
|  | WETLANDS              |
|  | JD BOUNDARY           |
|  | EXISTING ROAD         |
|  | NON-WETLAND WATERS    |
|  | LIMITS OF DISTURBANCE |
|  | PROPOSED ROAD         |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 4 OF 106





PERMITTEE: PALMETTO RAILWAYS

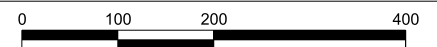
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 39,819.65        | 0.91        |
| MECHANICAL CLEARING WETLAND IMPACT         | 4,549.19         | 0.10        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --               | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --               | --          |
| <b>TOTAL IMPACTS</b>                       | <b>44,368.19</b> | <b>1.02</b> |

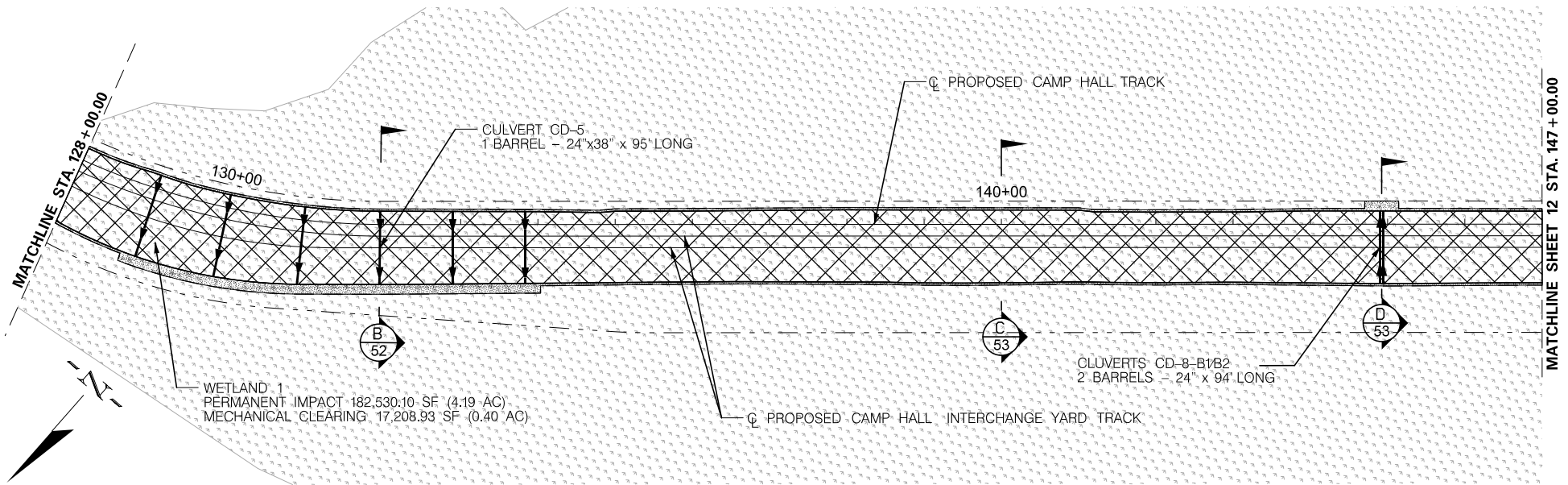
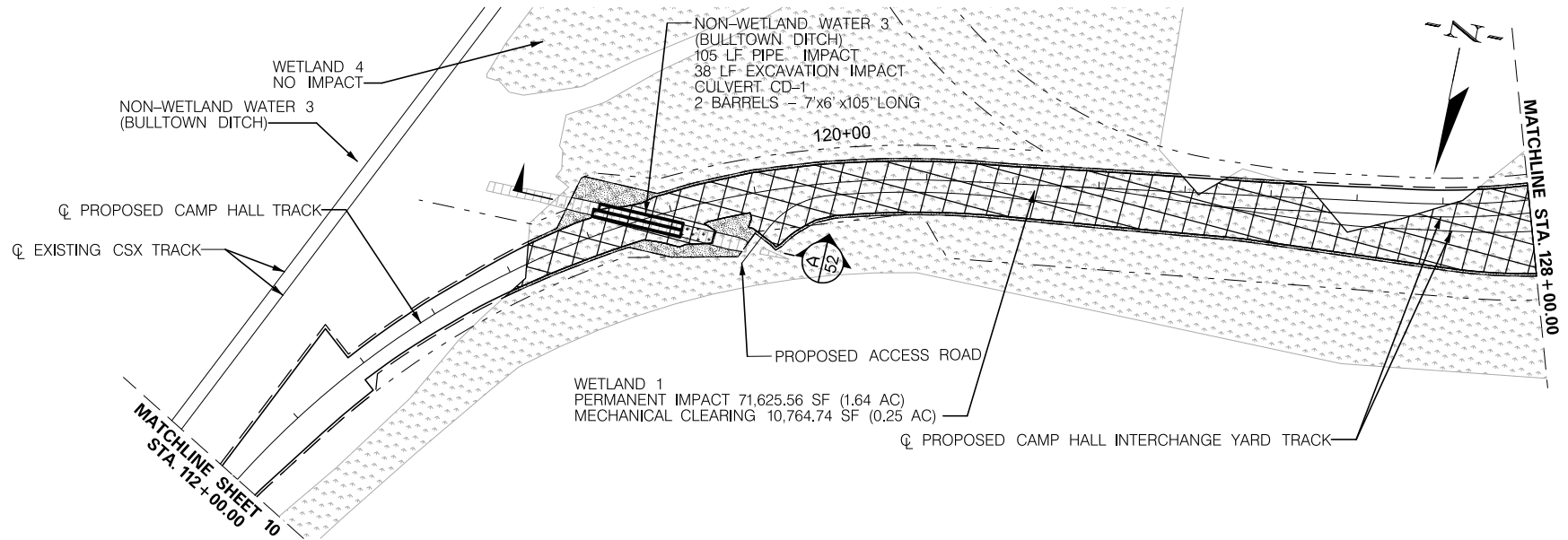
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 10 OF 106





PERMITTEE: PALMETTO RAILWAYS



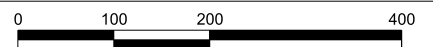
| IMPACTS                                       | SF                | AC          |
|-----------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)           | 254,155.66        | 5.83        |
| MECHANICAL CLEARING WETLAND IMPACT            | 27,973.67         | 0.64        |
| PERMANENT EXCAVATION IMPACT NON-WETLAND WATER | 38.0 LF           | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER       | 105.0 LF          | --          |
| <b>TOTAL IMPACTS</b>                          | <b>282,129.33</b> | <b>6.48</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

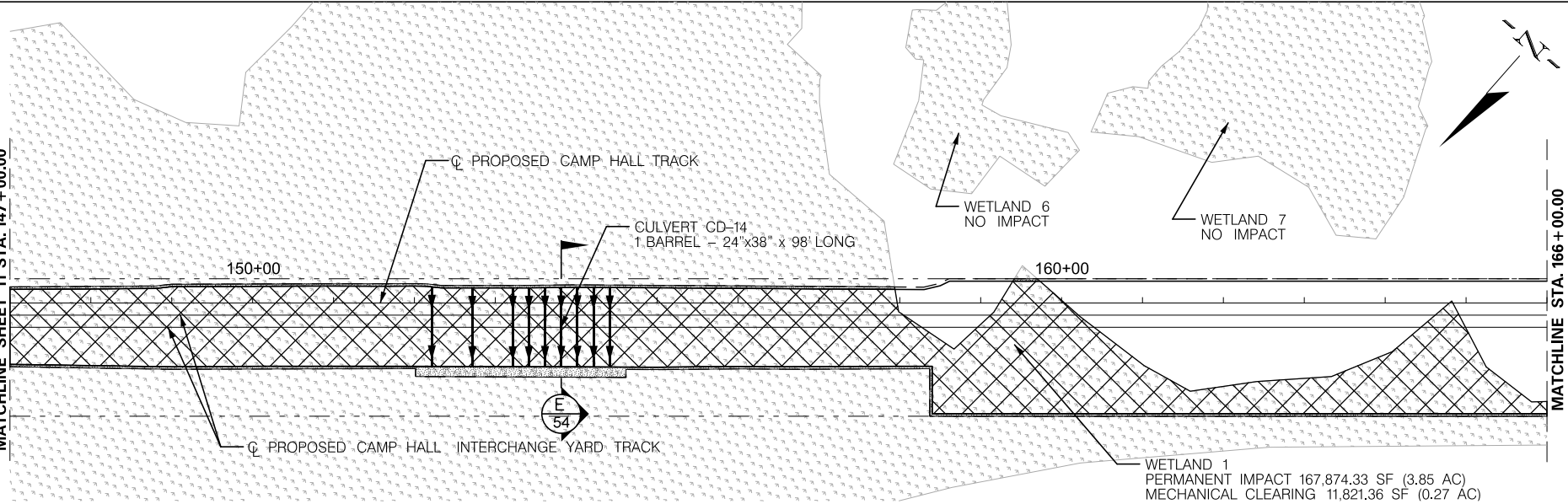
DATE: JANUARY 2024 SHEET 11 OF 106





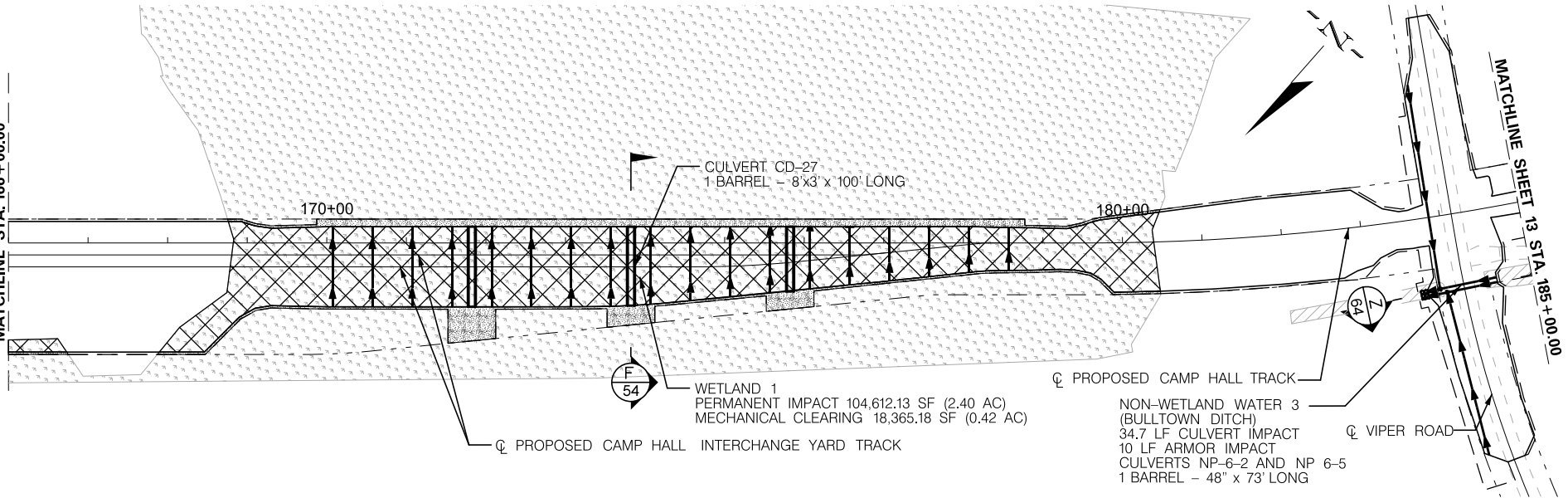
MATCHLINE SHEET 11 STA. 147 + 00.00

MATCHLINE STA. 166 + 00.00



MATCHLINE STA. 166 + 00.00

MATCHLINE SHEET 13 STA. 185 + 00.00



PERMITTEE: PALMETTO RAILWAYS

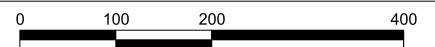
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 272,486.46        | 6.26        |
| MECHANICAL CLEARING WETLAND IMPACT         | 30,186.54         | 0.69        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | 34.7 LF           | --          |
| PERMANENT ARMOR IMPACT NON-WETLAND WATER   | 10.0 LF           | --          |
| <b>TOTAL IMPACTS</b>                       | <b>302,673.00</b> | <b>6.95</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 12 OF 106





MATCHLINE SHEET 12 STA. 185+00.00

WETLAND 8  
PERMANENT IMPACT 40,337.34 SF (0.93 AC)  
MECHANICAL CLEARING 9,306.18 SF (0.21 AC)

☐ PROPOSED CAMP HALL TRACK

PROPOSED ACCESS ROAD

CULVERT CD-45  
1 BARREL - 24"x38" x 36' LONG

MATCHLINE STA. 204+00.00

CULVERT CD-42  
1 BARREL - 24"x38" x 36' LONG

WETLAND 9  
PERMANENT IMPACT 14,557.17 SF (0.33 AC)  
MECHANICAL CLEARING 3,535.84 SF (0.08 AC)

MATCHLINE STA. 204+00.00

WETLAND 9  
PERMANENT IMPACT 65,224.62 SF (1.50 AC)  
MECHANICAL CLEARING 17,719.20 SF (0.41 AC)

☐ PROPOSED CAMP HALL TRACK

MATCHLINE SHEET 14 STA. 223+00.00

CULVERT CD-48  
1 BARREL - 24"x38" x 35' LONG

CULVERTS CD-51-B1B2  
2 BARRELS - 24"x38" x 31' LONG



PERMITTEE: PALMETTO RAILWAYS

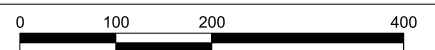
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 120,119.13        | 2.76        |
| MECHANICAL CLEARING WETLAND IMPACT         | 30,561.22         | 0.70        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>150,680.35</b> | <b>3.46</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

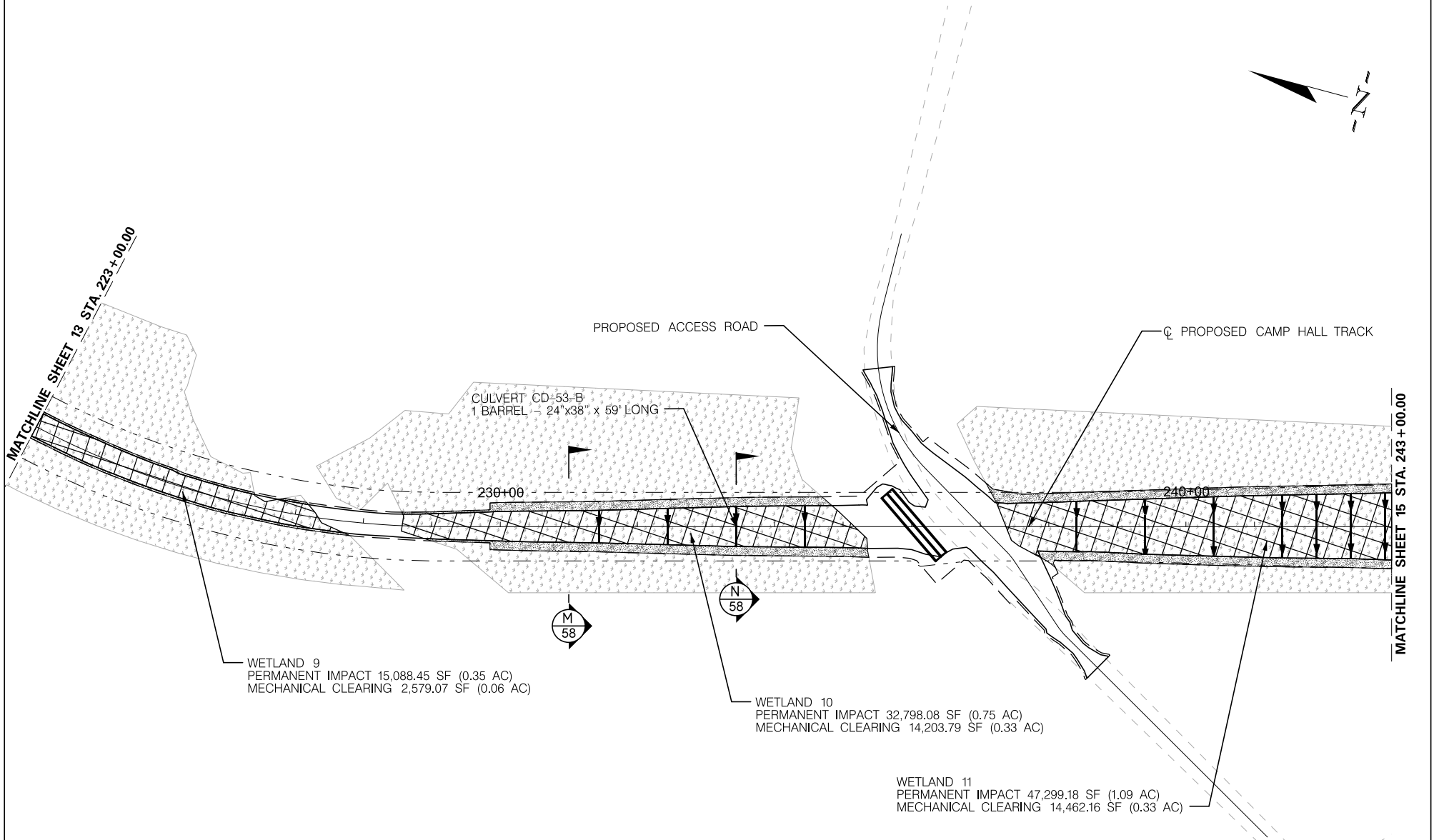
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 13 OF 106



MATCHLINE SHEET 13 STA. 223 + 00.00



WETLAND 9  
PERMANENT IMPACT 15,088.45 SF (0.35 AC)  
MECHANICAL CLEARING 2,579.07 SF (0.06 AC)

WETLAND 10  
PERMANENT IMPACT 32,798.08 SF (0.75 AC)  
MECHANICAL CLEARING 14,203.79 SF (0.33 AC)

WETLAND 11  
PERMANENT IMPACT 47,299.18 SF (1.09 AC)  
MECHANICAL CLEARING 14,462.16 SF (0.33 AC)

MATCHLINE SHEET 15 STA. 243 + 00.00



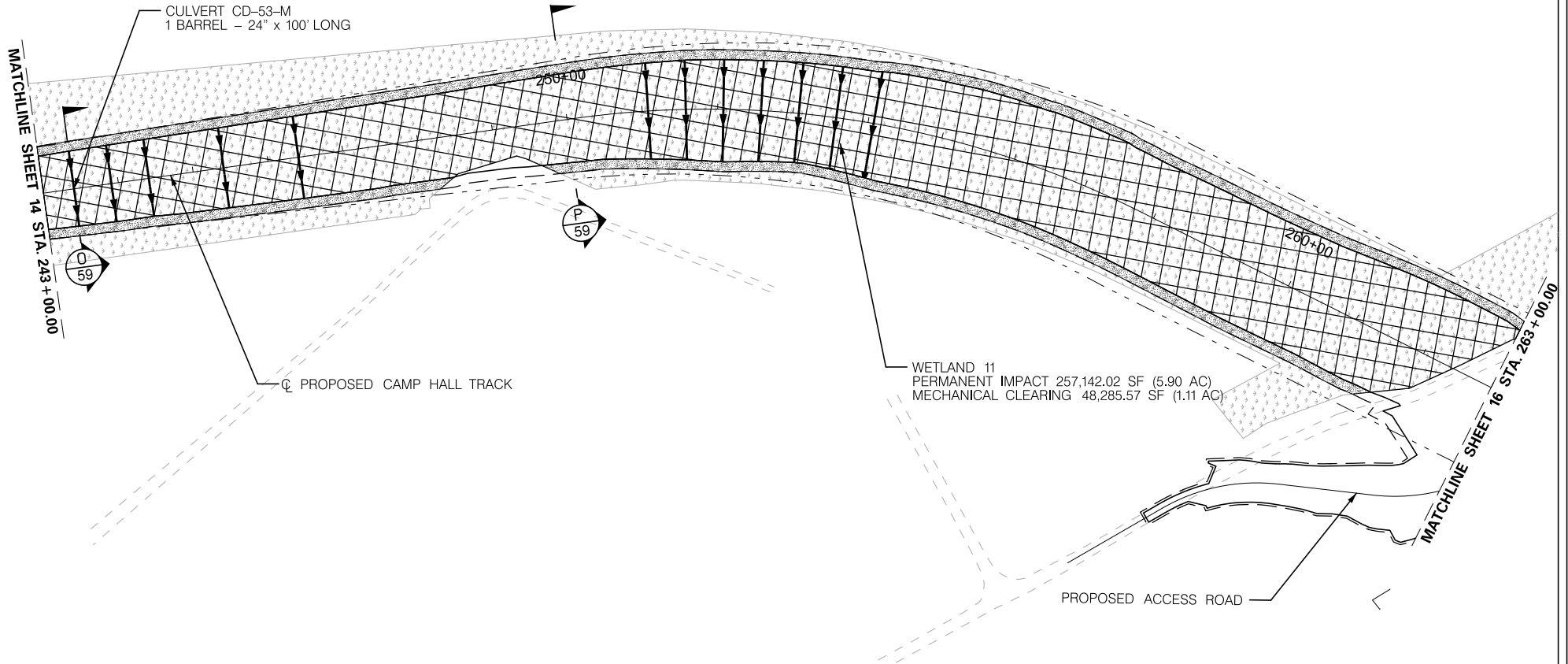
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 95,185.71         | 2.19        |
| MECHANICAL CLEARING WETLAND IMPACT         | 31,245.02         | 0.72        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>126,430.73</b> | <b>2.90</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 14 OF 106



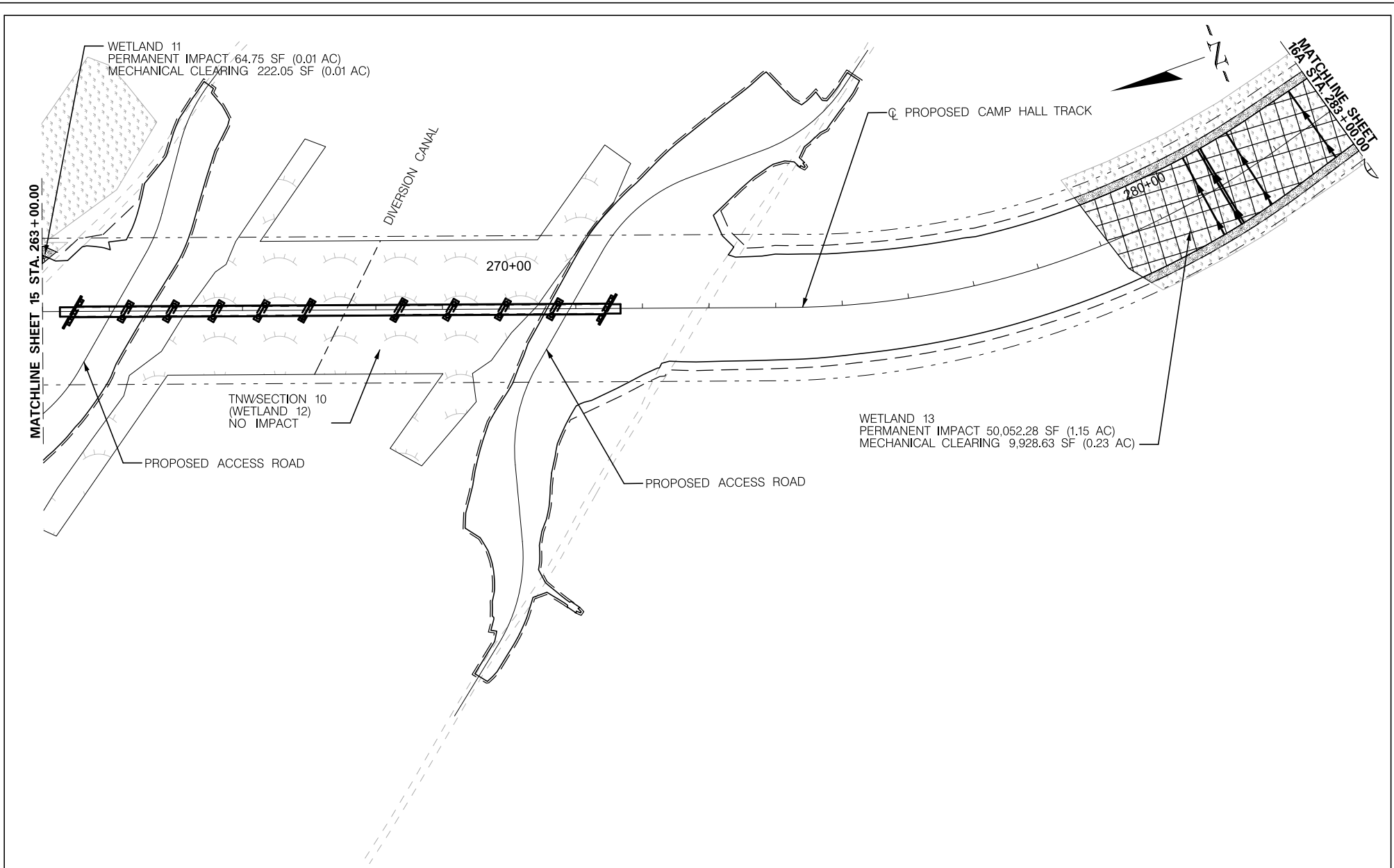
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 257,142.02        | 5.90        |
| MECHANICAL CLEARING WETLAND IMPACT         | 48,285.57         | 1.11        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>305,427.59</b> | <b>7.01</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 15 OF 106



PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 50,117.03        | 1.15        |
| MECHANICAL CLEARING WETLAND IMPACT         | 10,150.68        | 0.23        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --               | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --               | --          |
| <b>TOTAL IMPACTS</b>                       | <b>60,267.71</b> | <b>1.38</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 16 OF 106

MATCHLINE SHEET 16 STA. 283+00.00

CULVERTS CD-54-D-B1B2  
2 BARRELS - 24"x38" x 120' LONG

PROPOSED CAMP HALL TRACK

290+00

300+00

R  
60

S  
61

CULVERT CD-55-A  
4 BARRELS - 8'x3' x 82' LONG

WETLAND 13  
PERMANENT IMPACT 145,621.47 SF (3.34 AC)  
MECHANICAL CLEARING 49,569.17 SF (1.14 AC)

MATCHLINE SHEET 17  
STA. 305+00.00



PERMITTEE: PALMETTO RAILWAYS

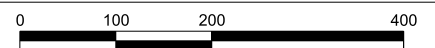
| IMPACTS                                    | SF         | AC   |
|--------------------------------------------|------------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 145,621.47 | 3.34 |
| MECHANICAL CLEARING WETLAND IMPACT         | 49,569.17  | 1.14 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --         | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --         | --   |
| TOTAL IMPACTS                              | 195,190.64 | 4.48 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

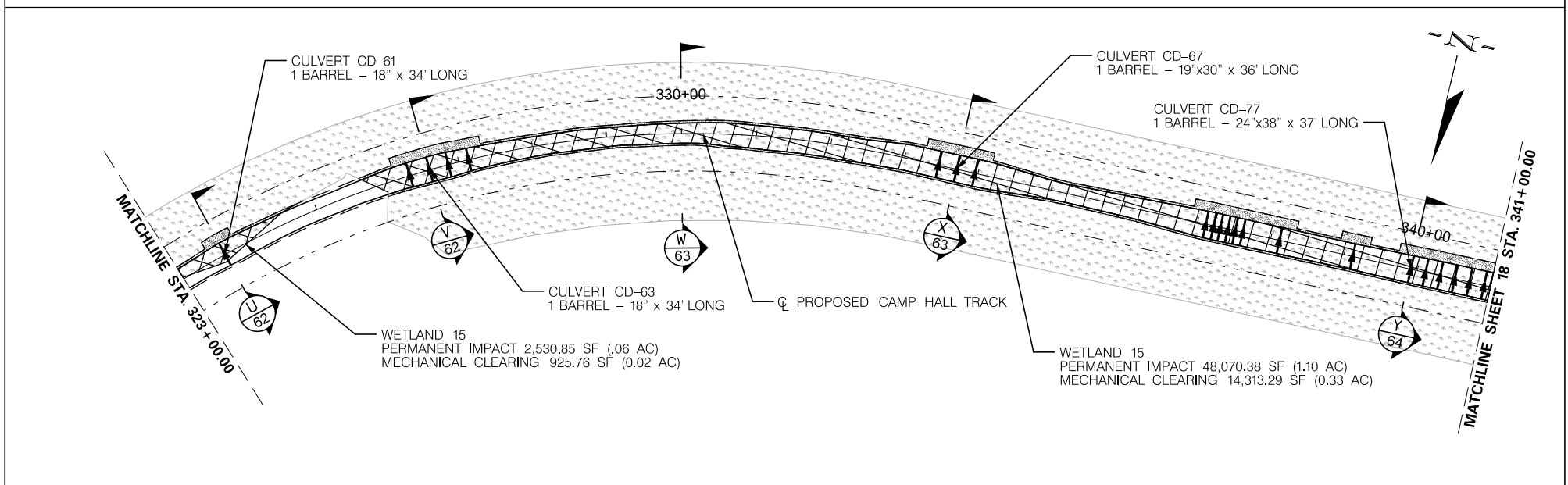
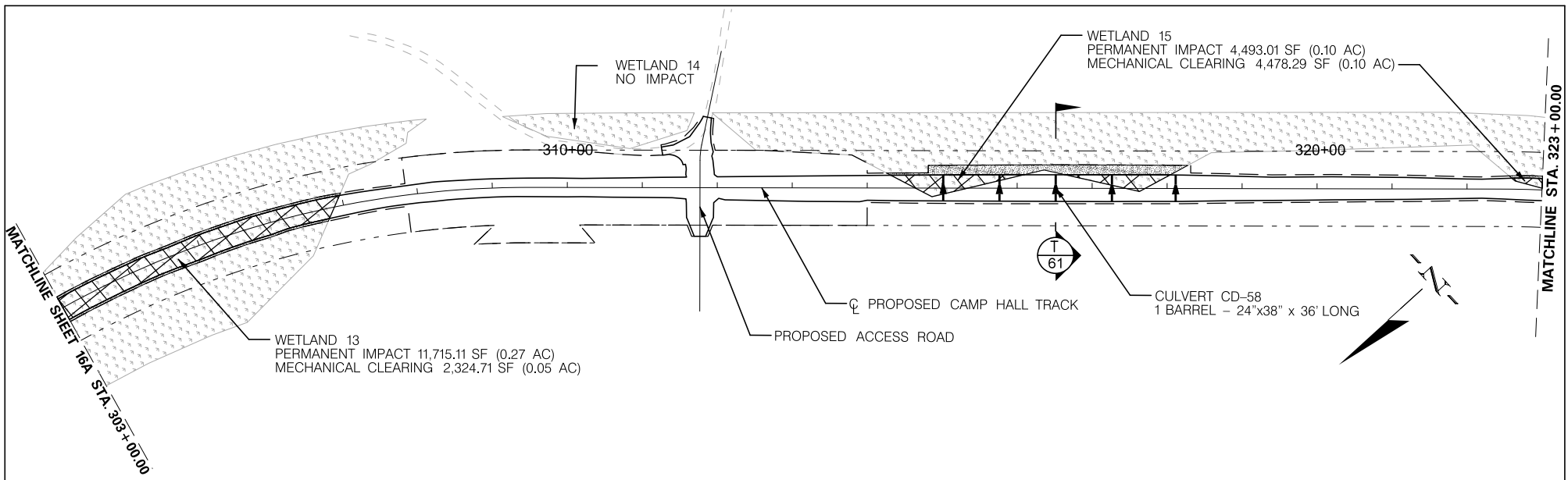
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 16A OF 106









PERMITTEE: PALMETTO RAILWAYS



| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 66,809.35        | 1.53        |
| MECHANICAL CLEARING WETLAND IMPACT         | 22,042.05        | 0.51        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --               | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --               | --          |
| <b>TOTAL IMPACTS</b>                       | <b>88,851.40</b> | <b>2.04</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 17 OF 106



MATCHLINE SHEET 17 STA. 341+00.00

WETLAND 15  
PERMANENT IMPACT 11,222.82 SF (0.26 AC)  
MECHANICAL CLEARING 2,058.69 SF (0.05 AC)

350+00

☐ PROPOSED CAMP HALL TRACK

CULVERT CD-87  
1 BARREL - 24"x38" x 37' LONG

CULVERT CD-90  
2 BARRELS - 9'x8' x 51' LONG

360+00

MATCHLINE SHEET 18A STA. 361+00.00

WETLAND 16  
PERMANENT IMPACT 6,903.89 SF (0.16 AC)  
MECHANICAL CLEARING 4,071.28 SF (0.09 AC)

WETLAND 17  
PERMANENT IMPACT 15,631.10 SF (0.36 AC)  
MECHANICAL CLEARING 4,101.20 SF (0.09 AC)



PERMITTEE: PALMETTO RAILWAYS



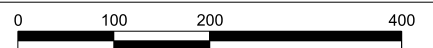
| IMPACTS                                    | SF        | AC   |
|--------------------------------------------|-----------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 33,757.81 | 0.78 |
| MECHANICAL CLEARING WETLAND IMPACT         | 10,231.17 | 0.23 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --        | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --        | --   |
| TOTAL IMPACTS                              | 43988.98  | 1.01 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 18 OF 106



MATCHLINE SHEET 18 STA. 361+00.00

Q PROPOSED CAMP HALL TRACK

CULVERT CD-96  
1 BARREL - 24"x38" x 36' LONG

370+00

CULVERT CD-102  
1 BARREL - 24"x38" x 38' LONG

MATCHLINE SHEET 18A STA 380+00.00

WETLAND 18  
PERMANENT IMPACT 49,828.12 SF (1.14 AC)  
MECHANICAL CLEARING 12,642.28 SF (0.29 AC)



PERMITTEE: PALMETTO RAILWAYS



| IMPACTS                                    | SF        | AC   |
|--------------------------------------------|-----------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 49,828.12 | 1.14 |
| MECHANICAL CLEARING WETLAND IMPACT         | 12,642.28 | 0.29 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --        | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --        | --   |
| TOTAL IMPACTS                              | 62,470.40 | 1.43 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT  
PERMIT # SAC-2016-01395  
DATE: JANUARY 2024 SHEET 18A OF 106

0 100 200 400

MATCHLINE SHEET 18A STA. 380+00.00

WETLAND 18  
PERMANENT IMPACT 14,045.10 SF (0.32 AC)  
MECHANICAL CLEARING 2,819.88 SF (0.06 AC)

WETLAND 19  
PERMANENT IMPACT 37,849.49 SF (0.87 AC)  
MECHANICAL CLEARING 10,078.77 SF (0.23 AC)

PROPOSED CAMP HALL TRACK

CULVERT CD-105  
3 BARRELS - 24"x38" x 40' LONG

MATCHLINE SHEET 19 STA. 400+00.00





PERMITTEE: PALMETTO RAILWAYS



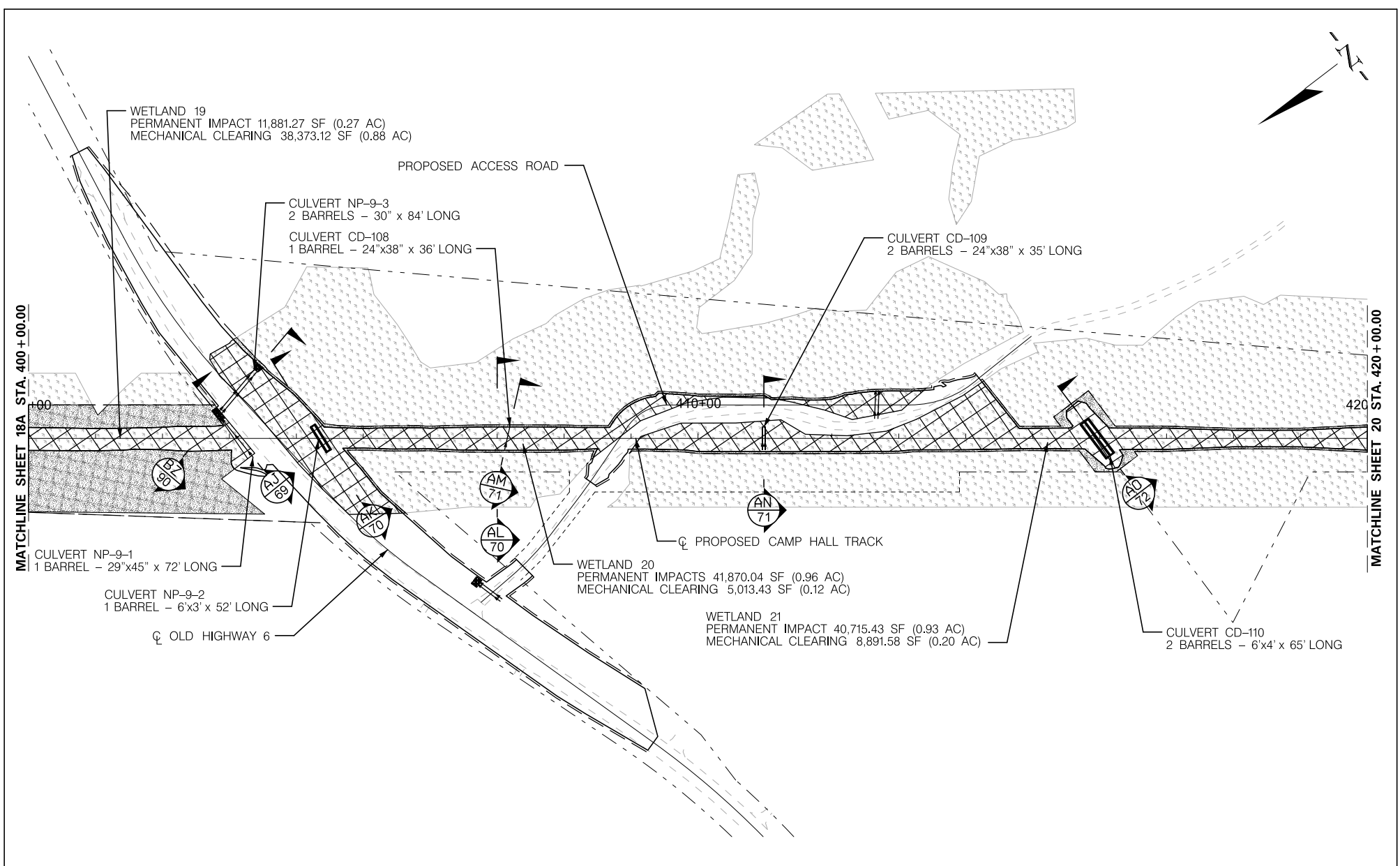
| IMPACTS                                                                                                                        | SF        | AC   |
|--------------------------------------------------------------------------------------------------------------------------------|-----------|------|
|  PERMANENT WETLAND IMPACT (CUT/FILL)        | 51,894.59 | 1.19 |
|  MECHANICAL CLEARING WETLAND IMPACT         | 12,898.65 | 0.29 |
|  PERMANENT CULVERT IMPACT NON-WETLAND WATER | --        | --   |
|  PERMANENT PIPE IMPACT NON-WETLAND WATER    | --        | --   |
| TOTAL IMPACTS                                                                                                                  | 64,793.24 | 1.48 |

|                                                                                       |                        |
|---------------------------------------------------------------------------------------|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT  
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 19 OF 106

0100200400



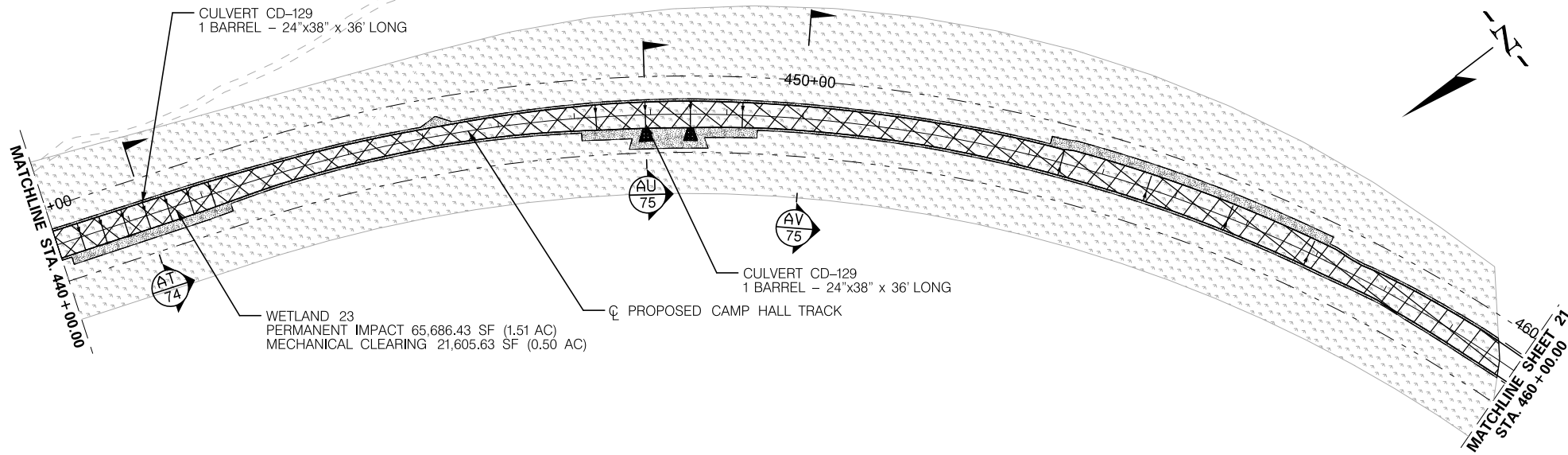
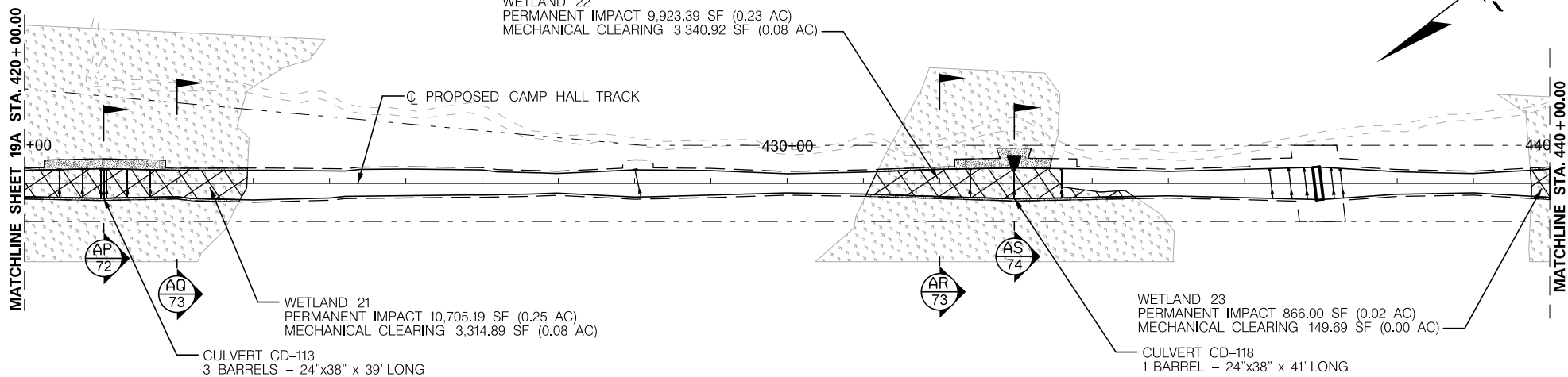
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 94,466.74         | 2.16        |
| MECHANICAL CLEARING WETLAND IMPACT         | 52,278.13         | 1.20        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>146,744.87</b> | <b>3.36</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 19A OF 106





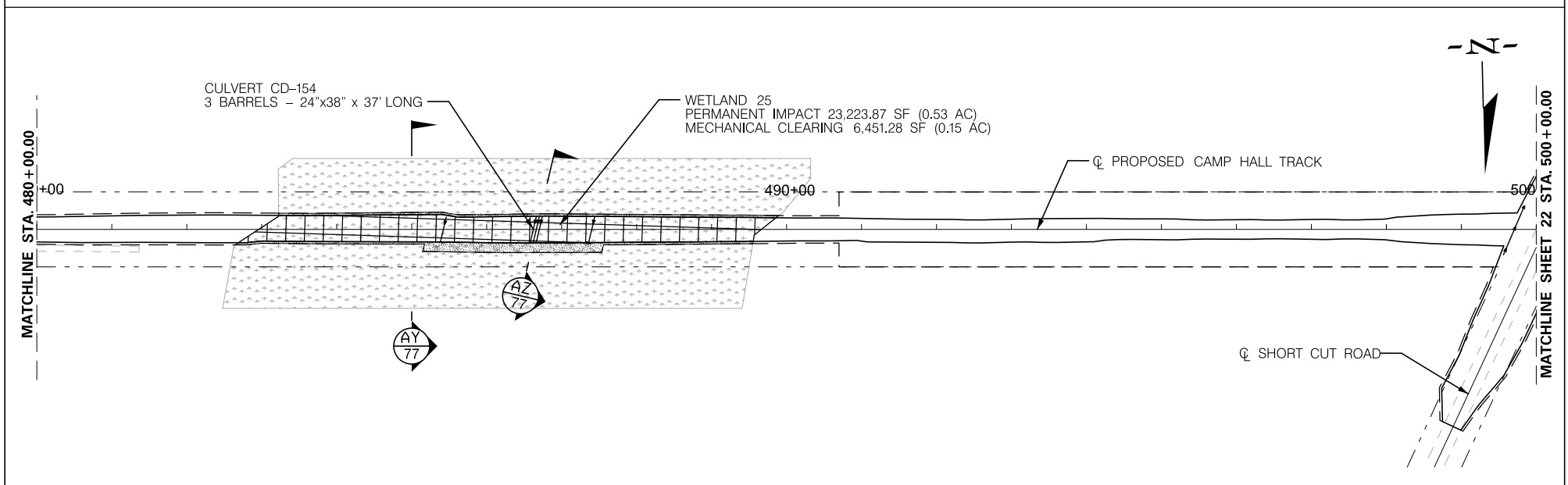
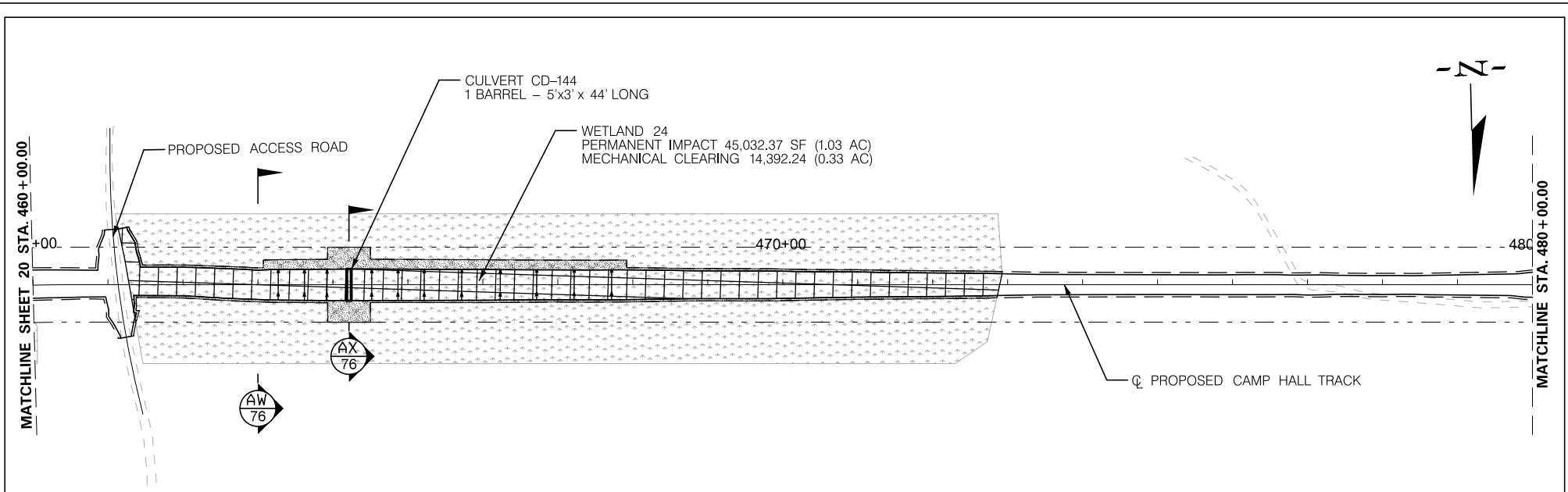
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF         | AC   |
|--------------------------------------------|------------|------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 87,181.01  | 2.01 |
| MECHANICAL CLEARING WETLAND IMPACT         | 28,411.13  | 0.66 |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --         | --   |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --         | --   |
| TOTAL IMPACTS                              | 115,592.14 | 2.67 |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 20 OF 106

0 100 200 400



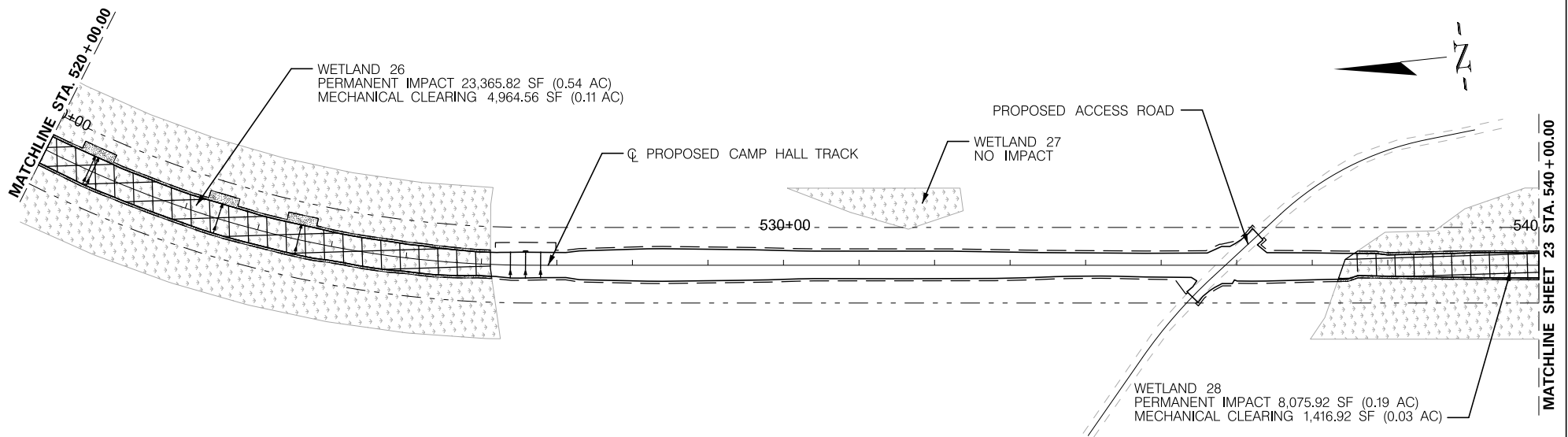
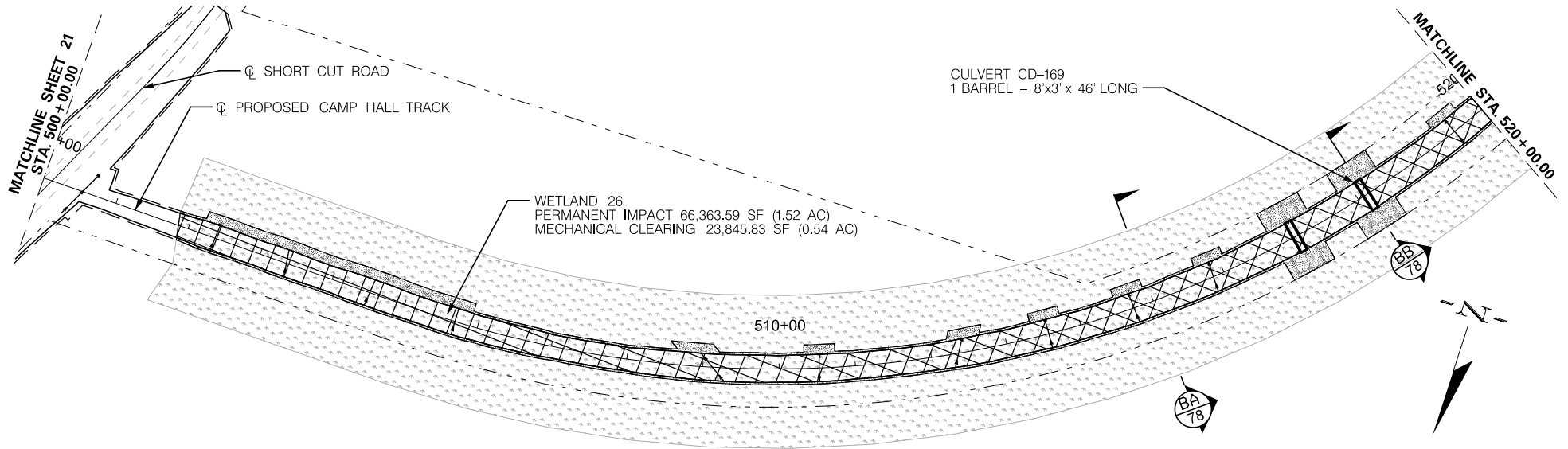
PERMITTEE: PALMETTO RAILWAYS

| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 68,256.24        | 1.56        |
| MECHANICAL CLEARING WETLAND IMPACT         | 20,843.52        | 0.48        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --               | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --               | --          |
| <b>TOTAL IMPACTS</b>                       | <b>89,099.76</b> | <b>2.04</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 21 OF 106



PERMITTEE: PALMETTO RAILWAYS



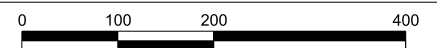
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 97,805.33         | 2.25        |
| MECHANICAL CLEARING WETLAND IMPACT         | 30,227.31         | 0.68        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>128,032.64</b> | <b>2.93</b> |

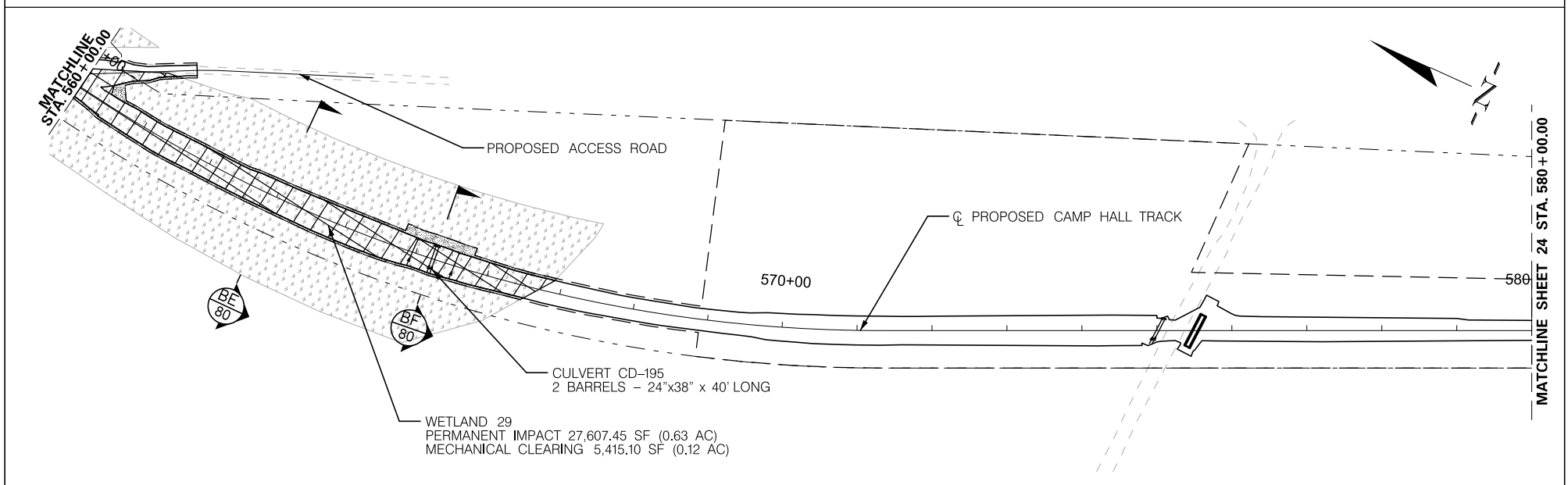
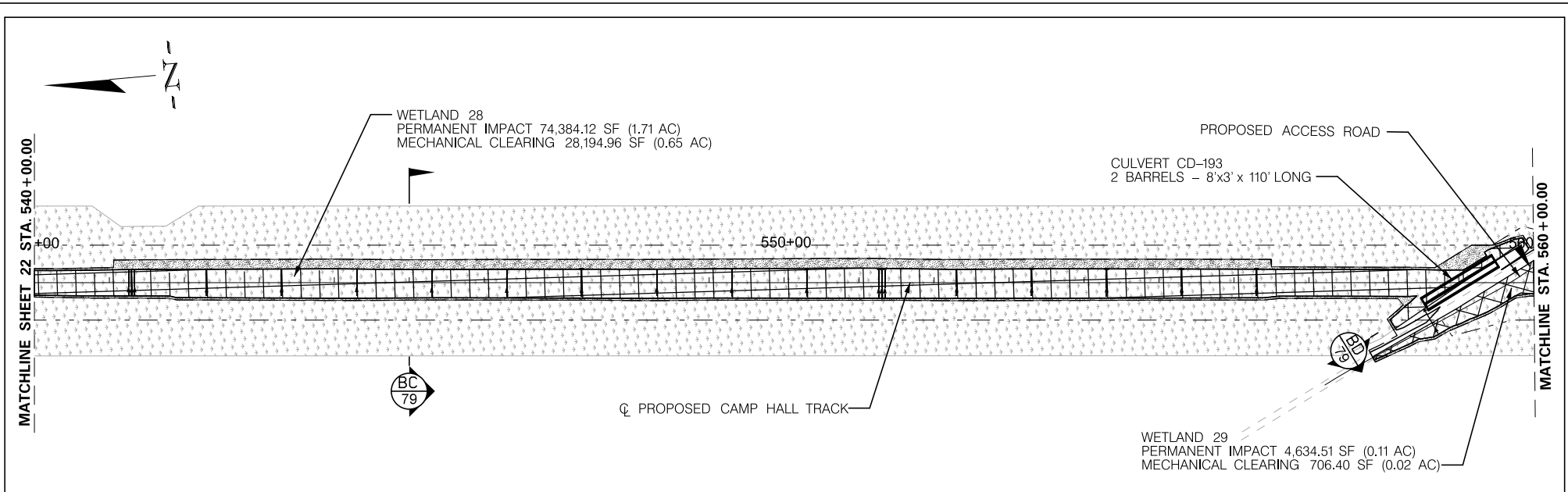
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 22 OF 106





PERMITTEE: PALMETTO RAILWAYS

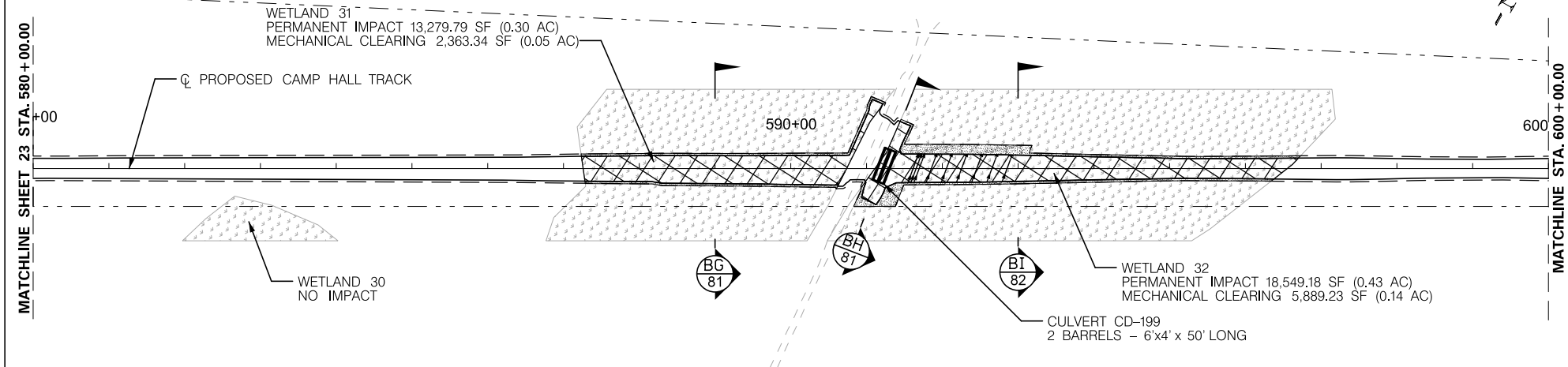
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 106,626.08        | 2.45        |
| MECHANICAL CLEARING WETLAND IMPACT         | 34,316.46         | 0.79        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>140,942.54</b> | <b>3.24</b> |

|                        |
|------------------------|
| TNW/SECTION 10 WATERS  |
| WETLANDS               |
| CONSTRUCTION AUTHORITY |
| EXISTING ROAD          |
| NON-WETLAND WATERS     |
| LIMITS OF DISTURBANCE  |
| PERMANENT IMPACT       |
| PROPOSED ROAD          |
| RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT  
 PERMIT # SAC-2016-01395  
 DATE: JANUARY 2024 SHEET 23 OF 106

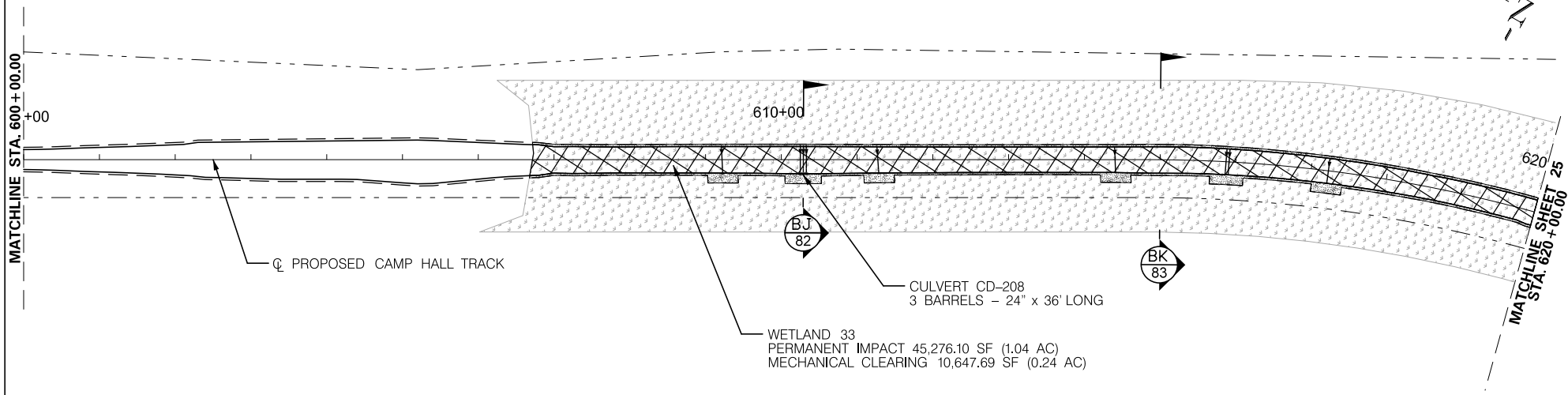
MATCHLINE SHEET 23 STA. 580+00.00

MATCHLINE STA. 600+00.00



MATCHLINE STA. 600+00.00

MATCHLINE SHEET 25 STA. 620+00.00





PERMITTEE: PALMETTO RAILWAYS



| IMPACTS                                                                                                                        | SF        | AC   |
|--------------------------------------------------------------------------------------------------------------------------------|-----------|------|
|  PERMANENT WETLAND IMPACT (CUT/FILL)        | 77,105.07 | 1.77 |
|  MECHANICAL CLEARING WETLAND IMPACT         | 18,900.26 | .43  |
|  PERMANENT CULVERT IMPACT NON-WETLAND WATER | --        | --   |
|  PERMANENT PIPE IMPACT NON-WETLAND WATER    | --        | --   |
| TOTAL IMPACTS                                                                                                                  | 96,005.33 | 2.20 |

 TNW/SECTION 10 WATERS  
 WETLANDS  
 CONSTRUCTION AUTHORITY  
 EXISTING ROAD  
 NON-WETLAND WATERS  
 LIMITS OF DISTURBANCE  
 PERMANENT IMPACT  
 PROPOSED ROAD  
 RIGHT-OF-WAY (ROW)

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT  
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 24 OF 106

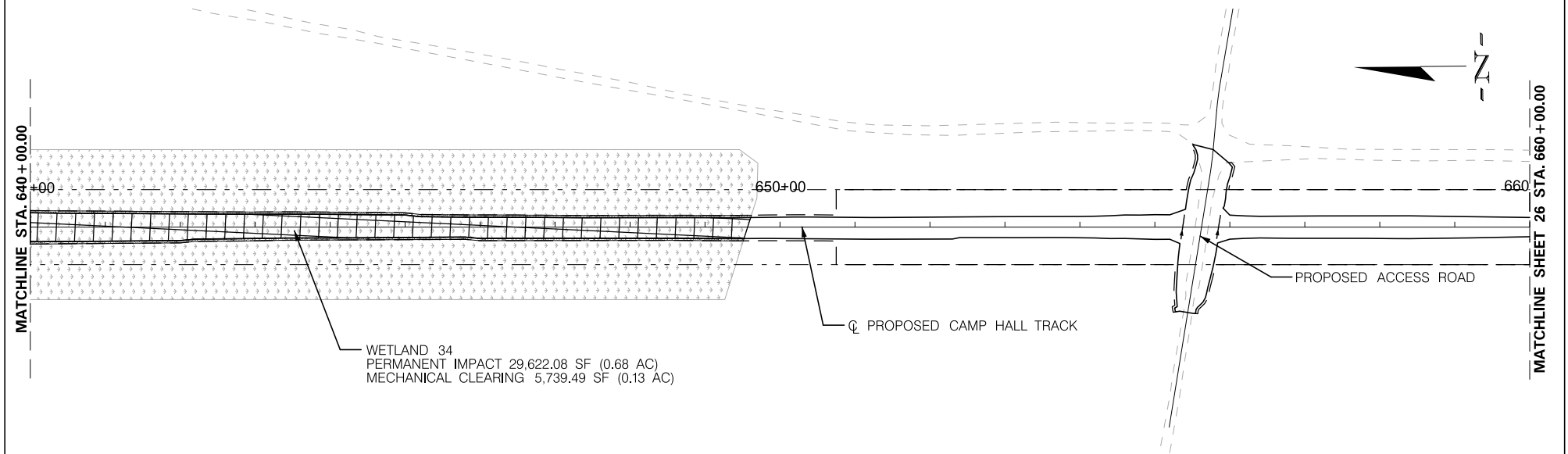
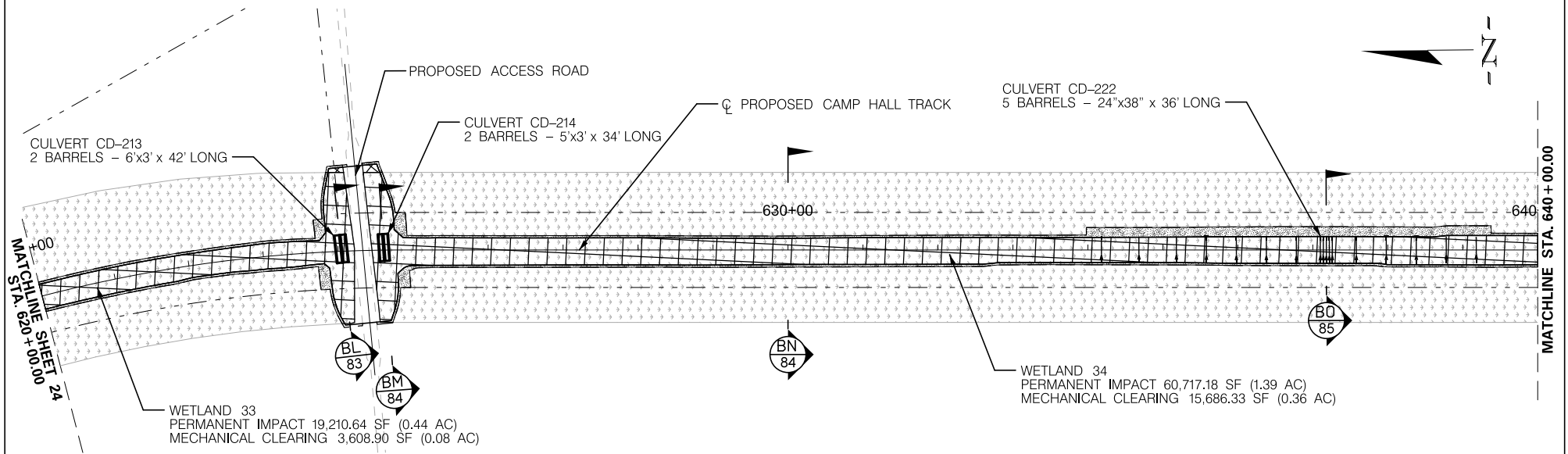
0

100

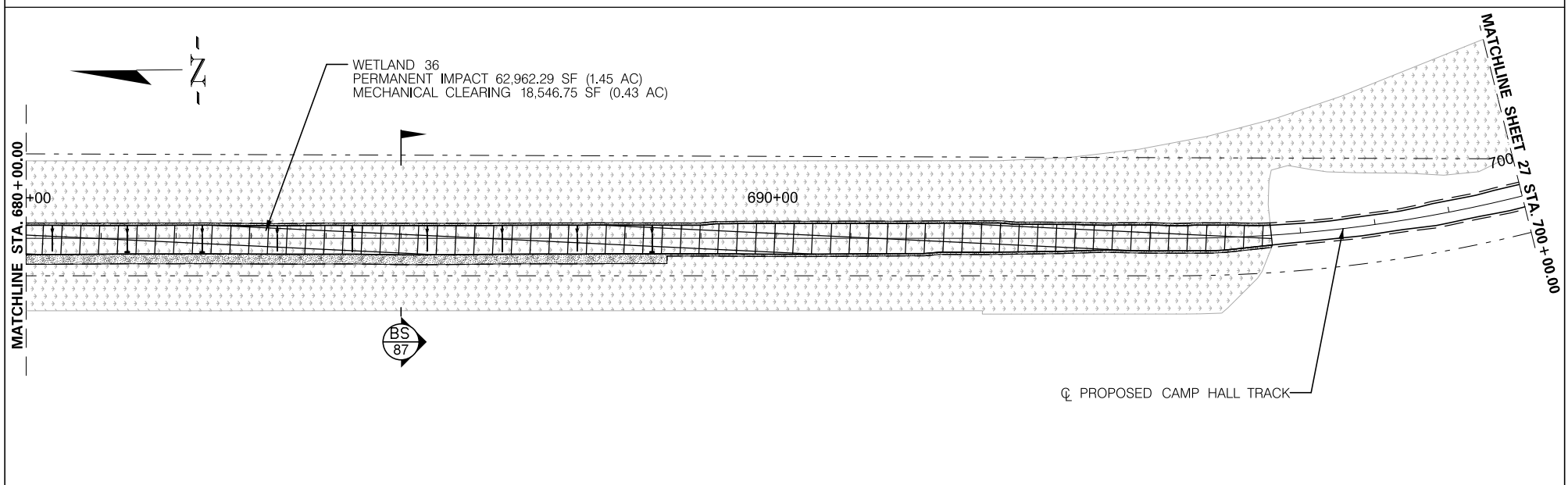
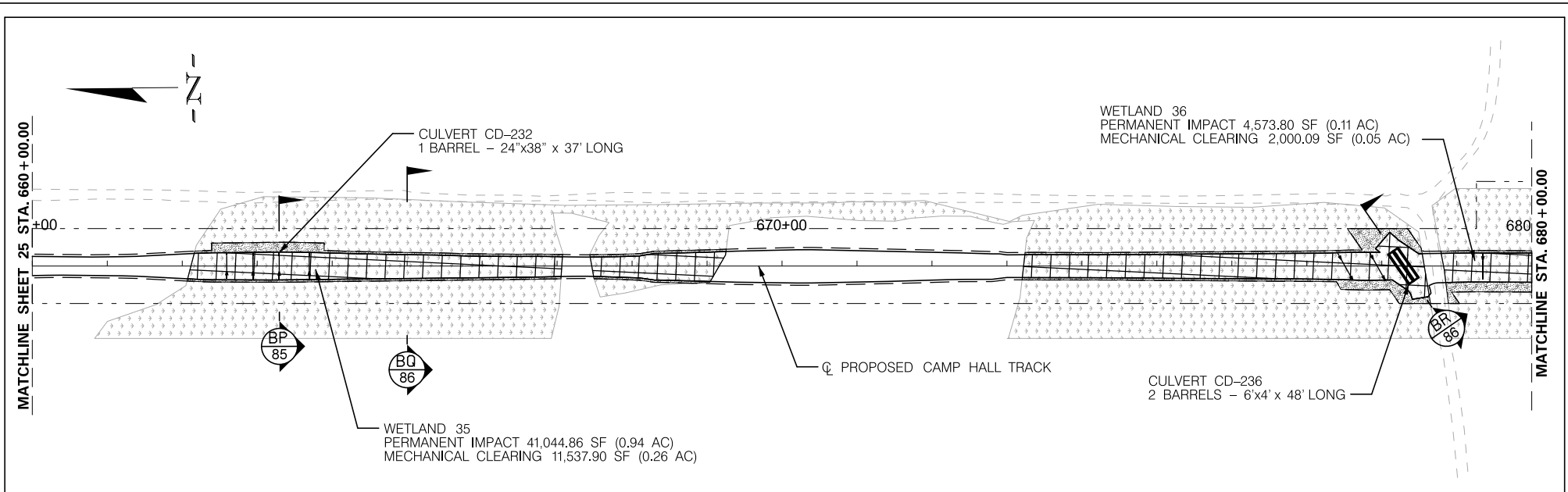
200

400

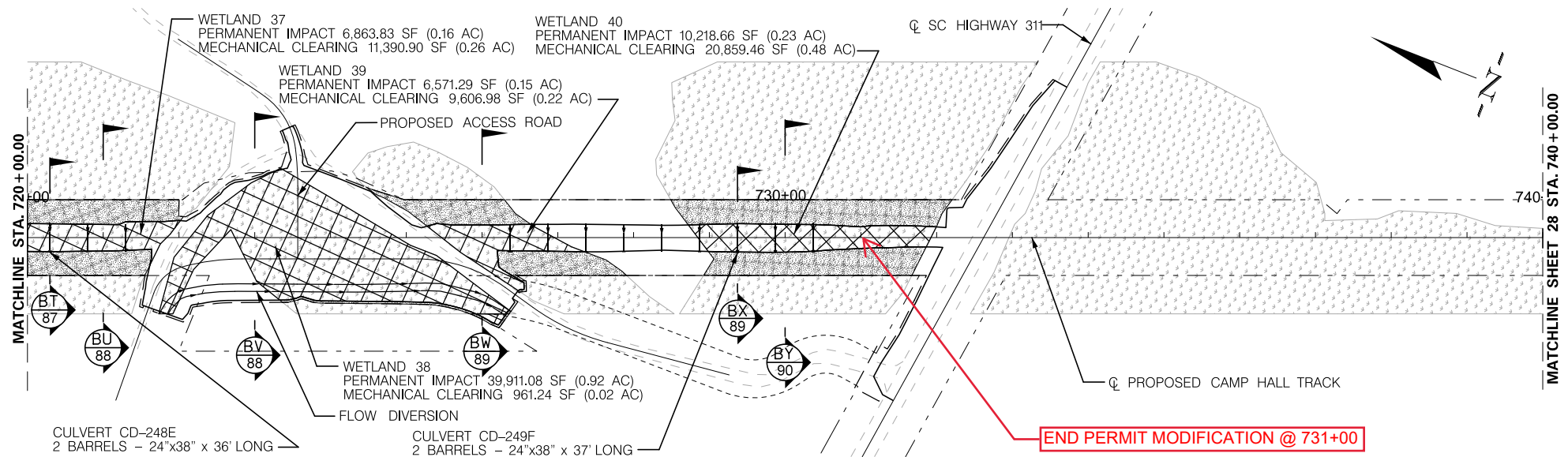
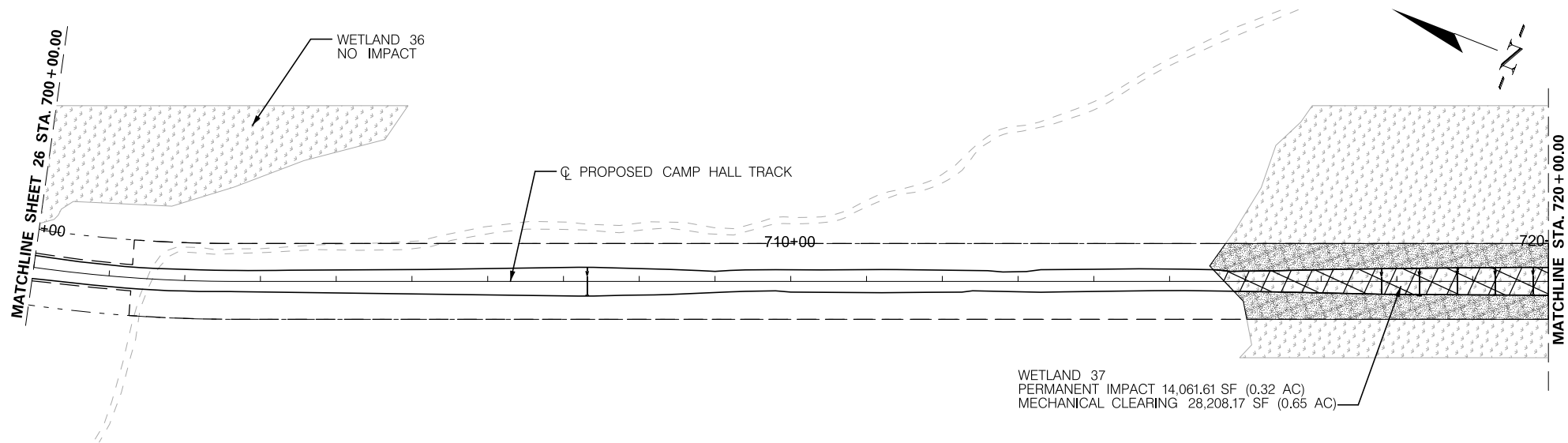




|                                                                                                                    |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>PERMITTEE: PALMETTO RAILWAYS |  | <b>IMPACTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>SF</b>                                         | <b>AC</b>                        |  TNW/SECTION 10 WATERS<br> WETLANDS<br> CONSTRUCTION AUTHORITY<br> EXISTING ROAD<br> NON-WETLAND WATERS<br> LIMITS OF DISTURBANCE<br> PERMANENT IMPACT<br> PROPOSED ROAD<br> RIGHT-OF-WAY (ROW) | <b>PALMETTO RAILWAYS</b><br><b>CAMP HALL RAIL PROJECT</b><br>BERKELEY COUNTY, SOUTH CAROLINA<br>DEPARTMENT OF ARMY 404 PERMIT<br>PERMIT # SAC-2016-01395<br>DATE: JANUARY 2024 SHEET 25 OF 106<br> |
|                                                                                                                    |                                                                                     |  PERMANENT WETLAND IMPACT (CUT/FILL)<br> MECHANICAL CLEARING WETLAND IMPACT<br> PERMANENT CULVERT IMPACT NON-WETLAND WATER<br> PERMANENT PIPE IMPACT NON-WETLAND WATER<br><b>TOTAL IMPACTS</b> | 109,549.90<br>25,034.72<br>--<br>--<br>134,584.62 | 2.51<br>0.57<br>--<br>--<br>3.08 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                         |



|                                                                                                                                       |                                                                                                |                                                                                                                                           |            |      |                                                                                                                         |                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------|------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div>PERMITTEE: PALMETTO RAILWAYS</div> | <div></div> | IMPACTS                                                                                                                                   | SF         | AC   | <div></div> TNW/SECTION 10 WATERS  | <div><p>PALMETTO RAILWAYS<br/>CAMP HALL RAIL PROJECT<br/>BERKELEY COUNTY, SOUTH CAROLINA<br/>DEPARTMENT OF ARMY 404 PERMIT<br/>PERMIT # SAC-2016-01395<br/>DATE: JANUARY 2024 SHEET 26 OF 106</p><div><div>0100200400</div></div></div> |
|                                                                                                                                       |                                                                                                | <div></div> PERMANENT WETLAND IMPACT (CUT/FILL)        | 108,580.95 | 2.50 | <div></div> WETLANDS               |                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                       |                                                                                                | <div></div> MECHANICAL CLEARING WETLAND IMPACT         | 32,084.74  | 0.74 | <div></div> CONSTRUCTION AUTHORITY |                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                       |                                                                                                | <div></div> PERMANENT CULVERT IMPACT NON-WETLAND WATER | --         | --   | <div></div> EXISTING ROAD          |                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                       |                                                                                                | <div></div> PERMANENT PIPE IMPACT NON-WETLAND WATER    | --         | --   | <div></div> NON-WETLAND WATERS     |                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                       |                                                                                                | <div></div> TOTAL IMPACTS                              | 140,665.69 | 3.24 | <div></div> LIMITS OF DISTURBANCE  |                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                       |                                                                                                |                                                                                                                                           |            |      | <div></div> PERMANENT IMPACT       |                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                       |                                                                                                |                                                                                                                                           |            |      | <div></div> PROPOSED ROAD          |                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                       |                                                                                                |                                                                                                                                           |            |      | <div></div> RIGHT-OF-WAY (ROW)     |                                                                                                                                                                                                                                                                                                                              |



PERMITTEE: PALMETTO RAILWAYS



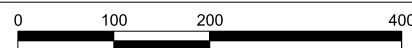
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 77,626.47         | 1.78        |
| MECHANICAL CLEARING WETLAND IMPACT         | 71,026.75         | 1.63        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --                | --          |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --                | --          |
| <b>TOTAL IMPACTS</b>                       | <b>148,653.22</b> | <b>3.41</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 27 OF 106



ROW

PERMANENT IMPACT

PROPOSED CAMP HALL TRACK

2 BARRELS -  
7'x6' x 105' LONG

ELEV. 72.41

ELEV. 72.57

38.0ft

PERMANENT EXCAVATION IMPACT  
NON-WETLAND WATER 3  
(BULLTOWN DITCH)

143.0ft PERMANENT IMPACT

NON-WETLAND WATER 3 (BULLTOWN DITCH)  
**SECTION A - CULVERT CD-1**  
STA. 117+64.00

PERMANENT IMPACT

ROW

ROW

LIMITS OF DISTURBANCE  
PERMANENT IMPACT

PROPOSED CAMP HALL TRACK

1 BARREL -  
24"x38" x 95' LONG

ELEV. 75.52

95.0ft PERMANENT IMPACT

ELEV. 75.29

PERMANENT IMPACT

LIMITS OF DISTURBANCE

3.0ft  
MECHANICAL  
CLEARING

13.0ft  
MECHANICAL  
CLEARING

**SECTION B - CULVERT CD-5**  
STA. 131+96.00



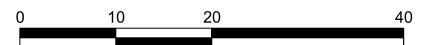
# CROSS SECTION SHEET 1 OF 39

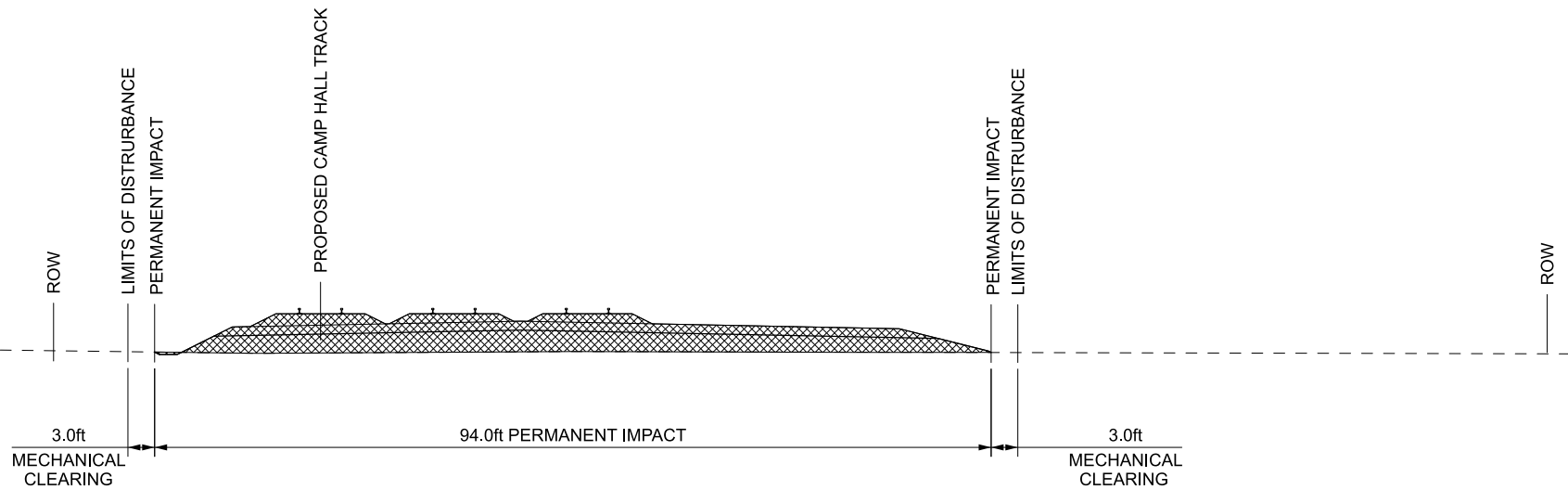
PERMITTEE: PALMETTO RAILWAYS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

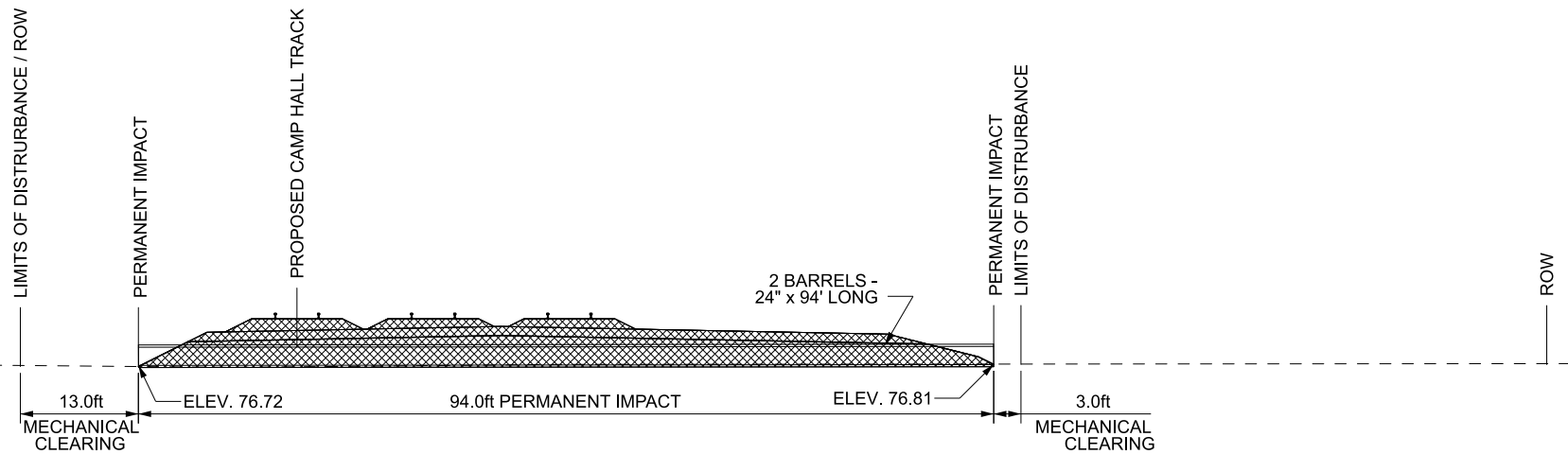
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 52 OF 106





SECTION C  
STA. 140+00



SECTION D - CULVERT CD-8-B1/B2  
STA. 144+93.00



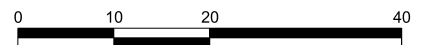
PERMITTEE: PALMETTO RAILWAYS

## CROSS SECTION SHEET 2 OF 39

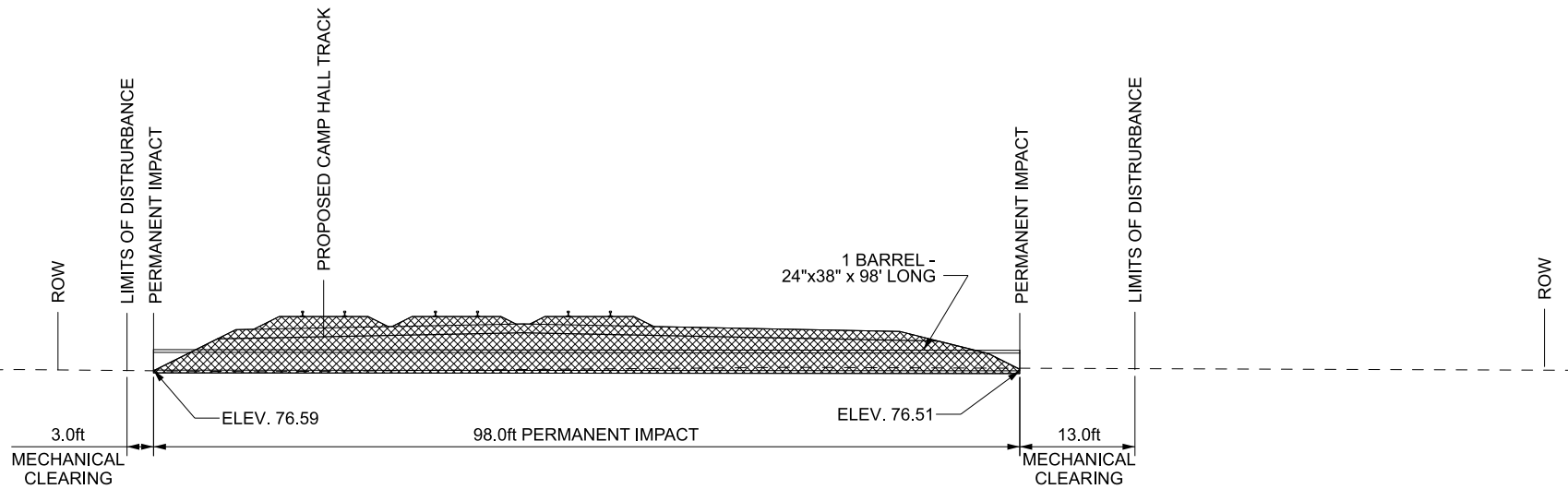
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

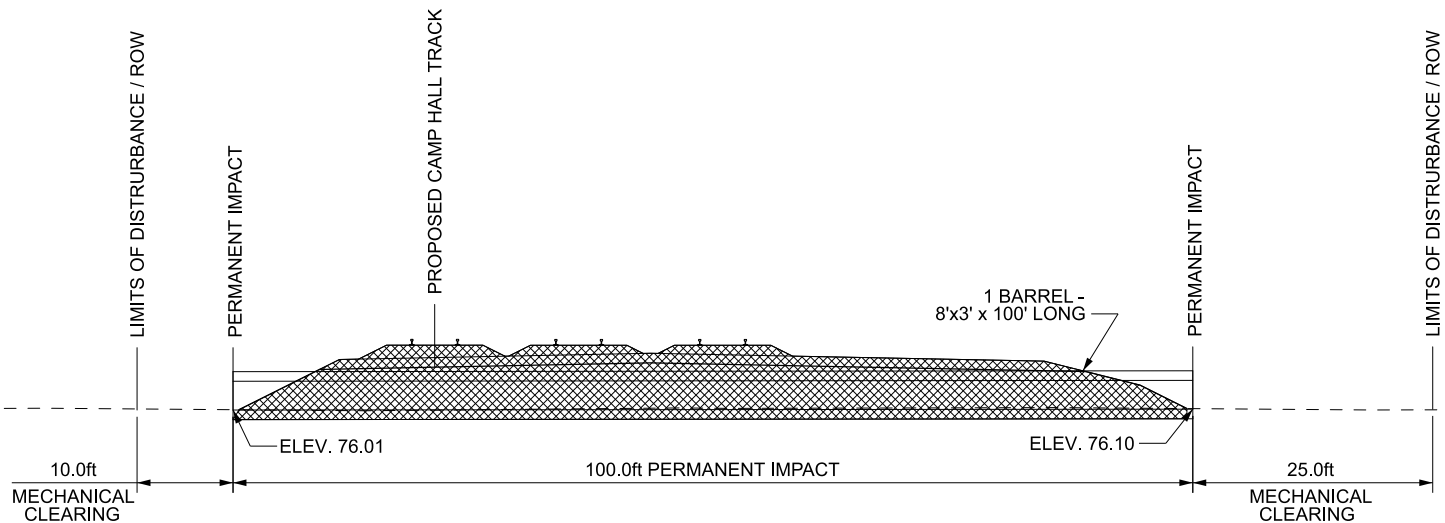
DATE: JANUARY 2024 SHEET 53 OF 106







**SECTION E - CULVERT CD-14**  
STA. 153+82.00



**SECTION F - CULVERT CD-27**  
STA. 173+82.30



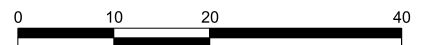
# CROSS SECTION SHEET 3 OF 39

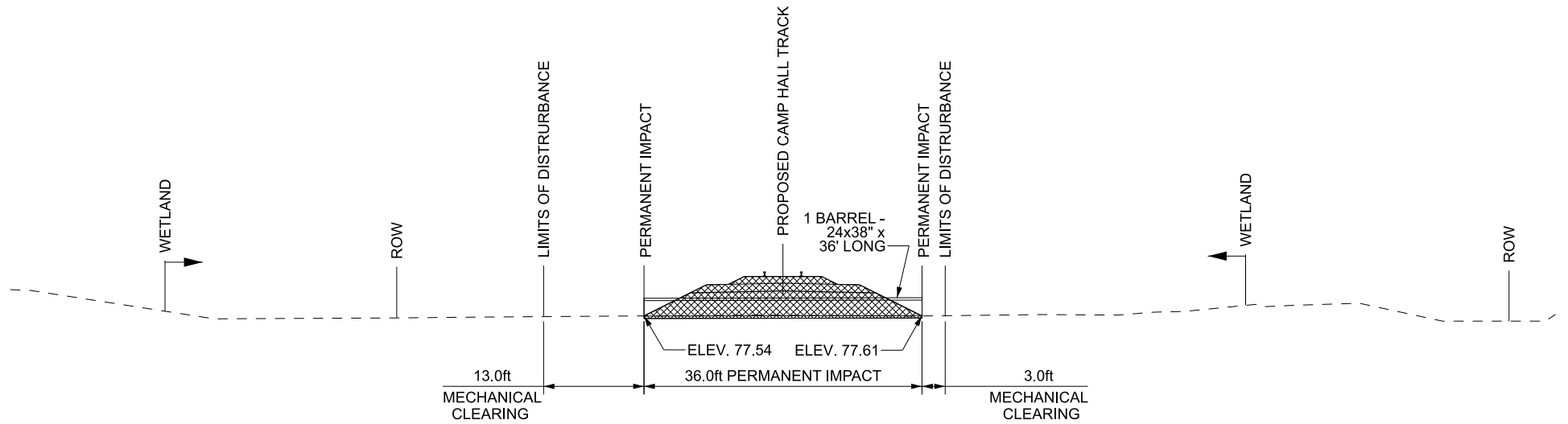
PERMITTEE: PALMETTO RAILWAYS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

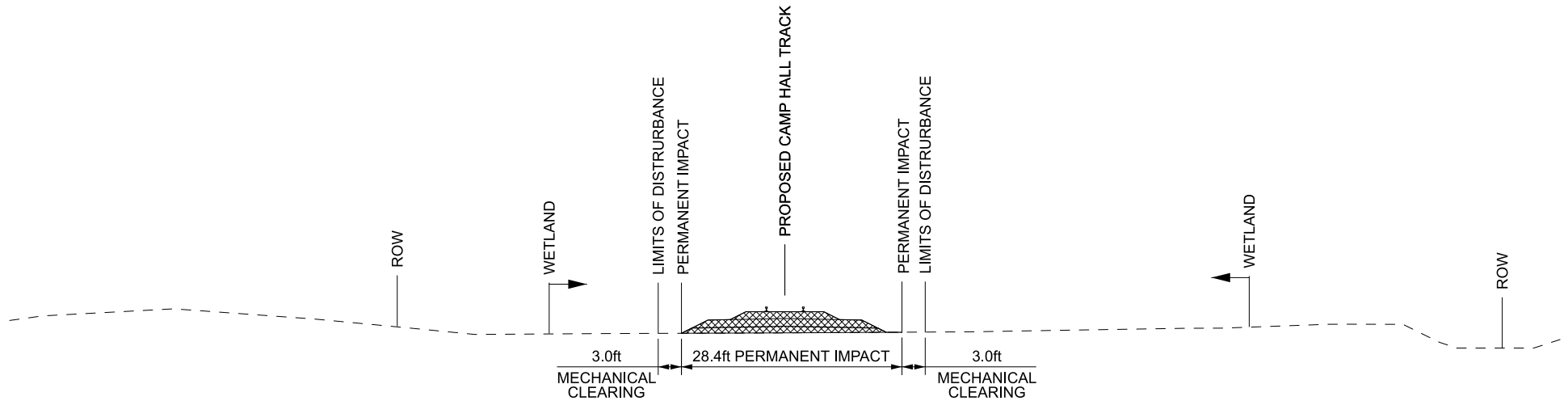
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 54 OF 106





SECTION G - CULVERT CD-42  
STA. 190+63.00



SECTION H  
STA. 197+00



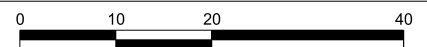
# CROSS SECTION SHEET 4 OF 39

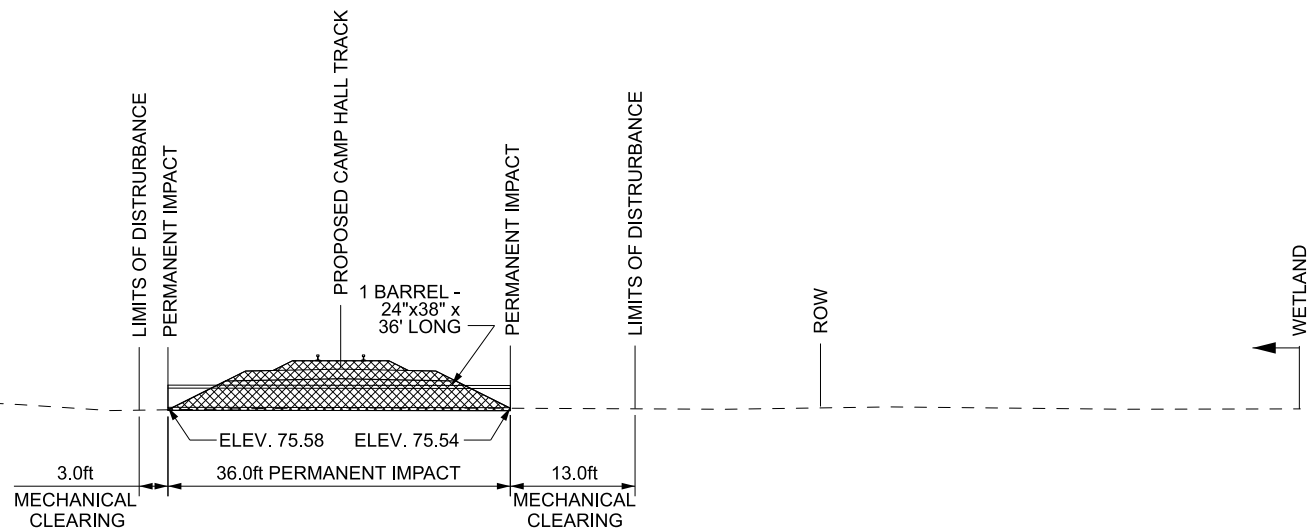
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

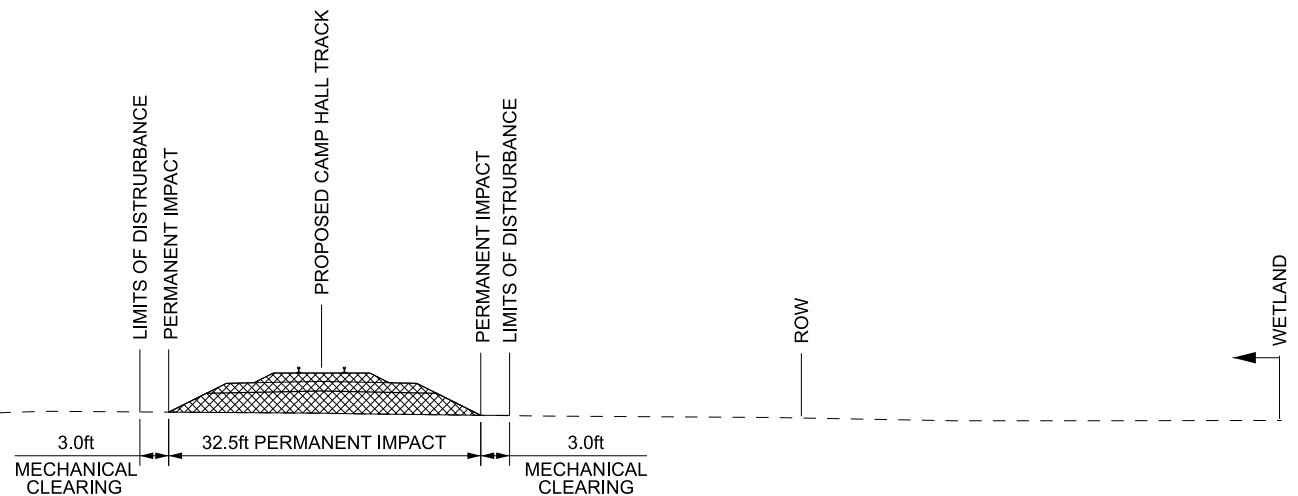
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 55 OF 106





SECTION I - CULVERT CD-45  
STA. 203+47.00



SECTION J  
STA. 210+00



PERMITTEE: PALMETTO RAILWAYS

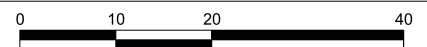


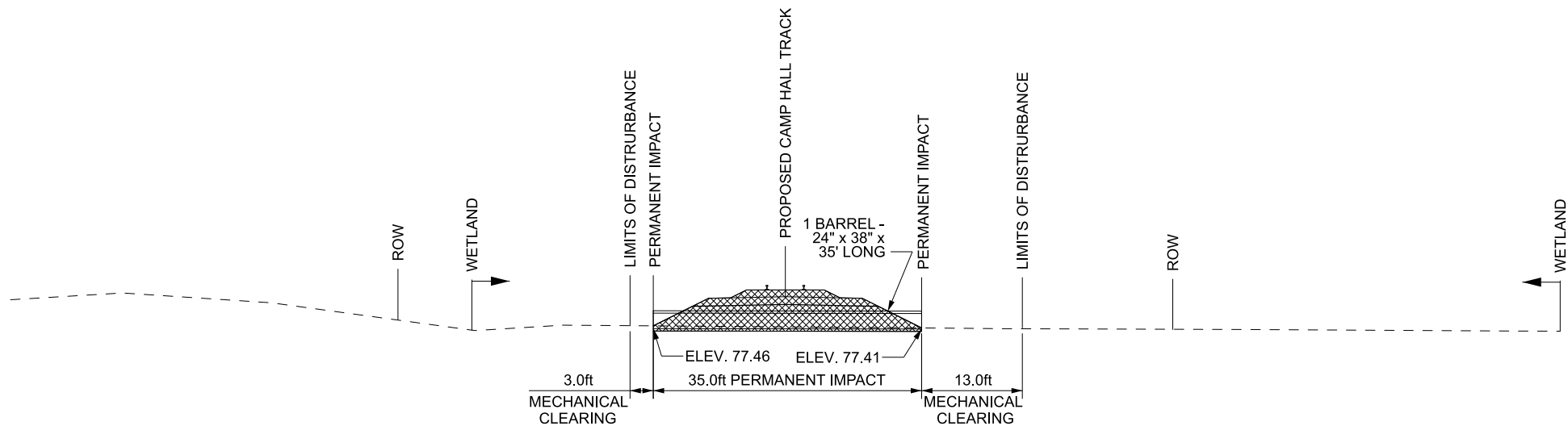
CROSS SECTION SHEET 5 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

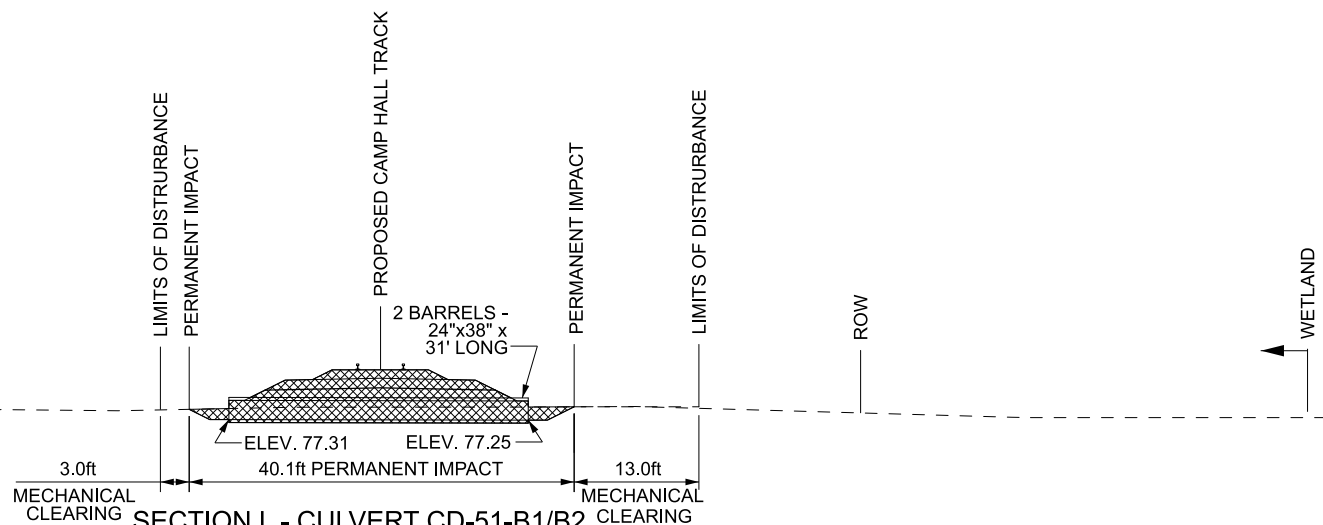
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 56 OF 106





SECTION K - CULVERT CD-48  
STA. 211+19.00



SECTION L - CULVERT CD-51-B1/B2  
STA. 221+49.00



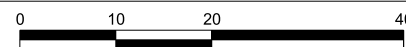
## CROSS SECTION SHEET 6 OF 39

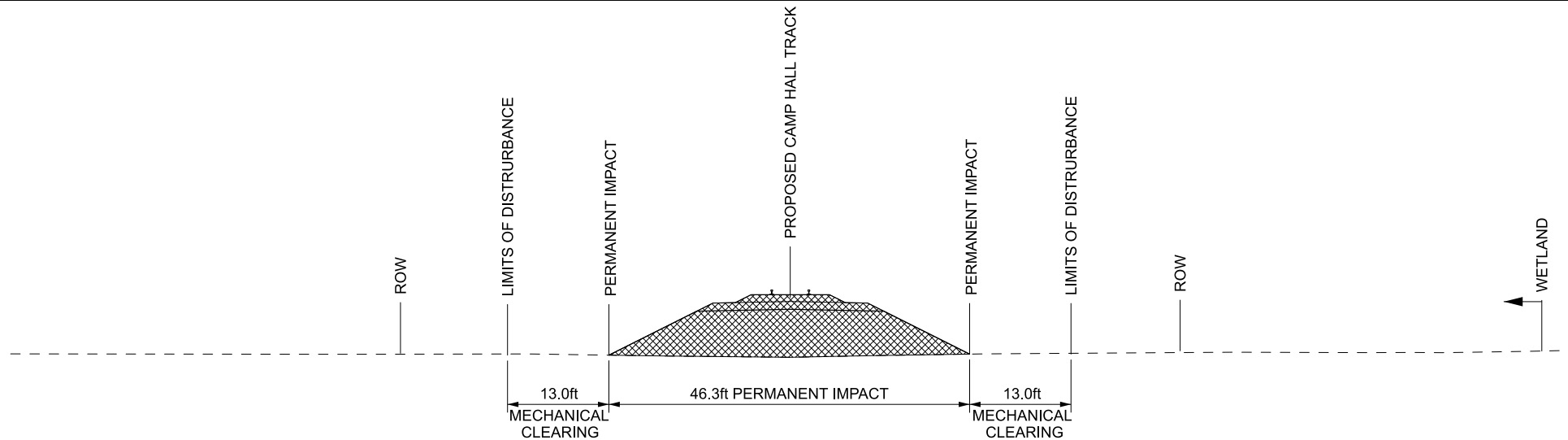
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

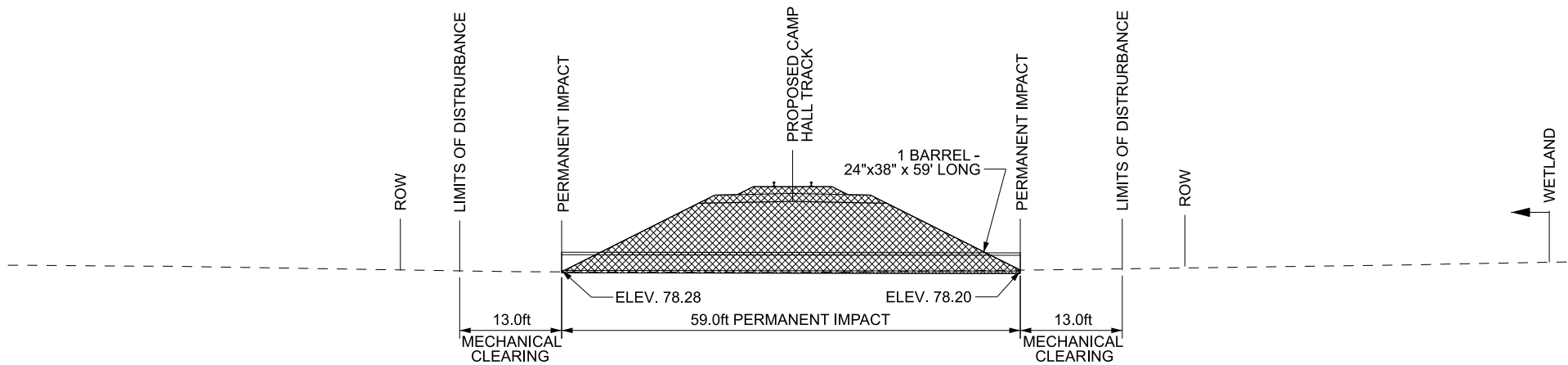
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 57 OF 106





SECTION M  
STA. 231+00



SECTION N - CULVERT CD-53-B  
STA. 233+45.00



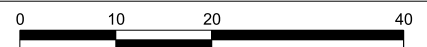
## CROSS SECTION SHEET 7 OF 39

PERMITTEE: PALMETTO RAILWAYS

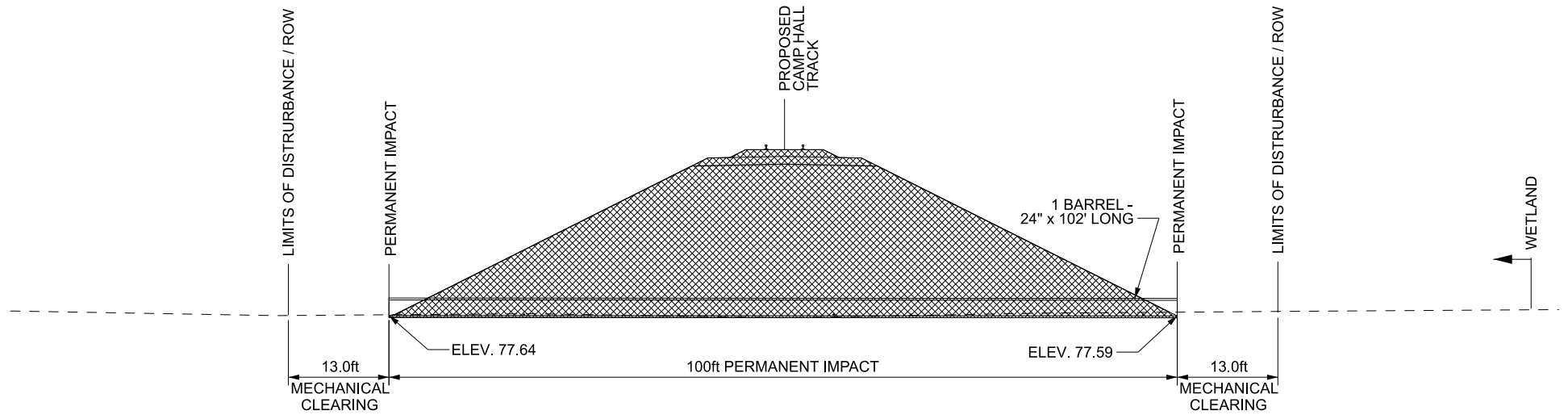
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

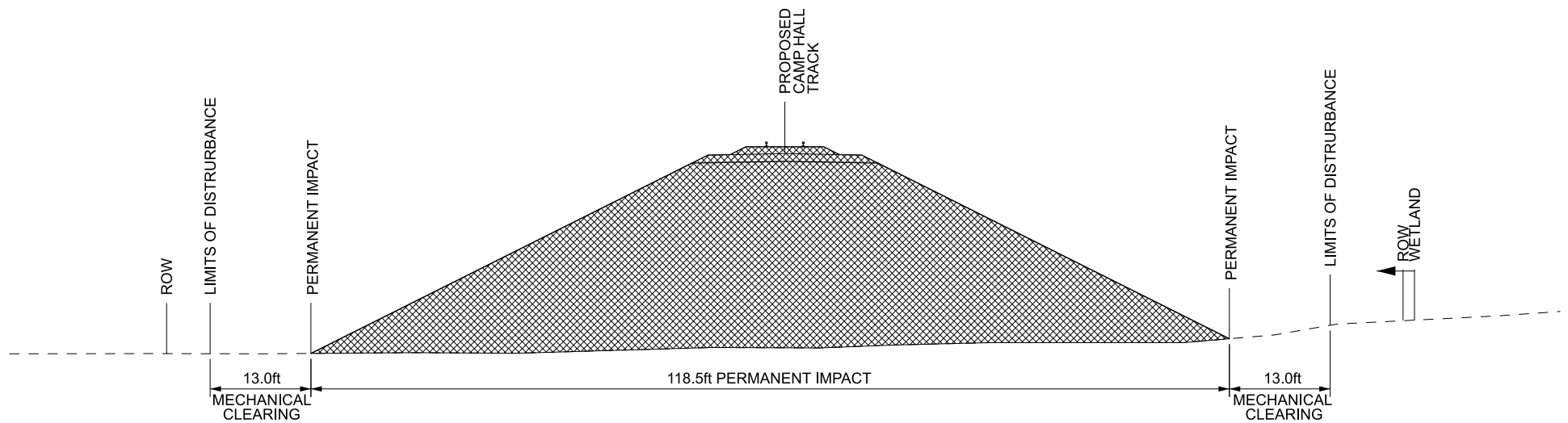
DATE: JANUARY 2024 SHEET 58 OF 106







SECTION O - CULVERT CD-53-M  
STA. 243+42.00



SECTION P  
STA. 250+00



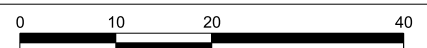
PERMITTEE: PALMETTO RAILWAYS

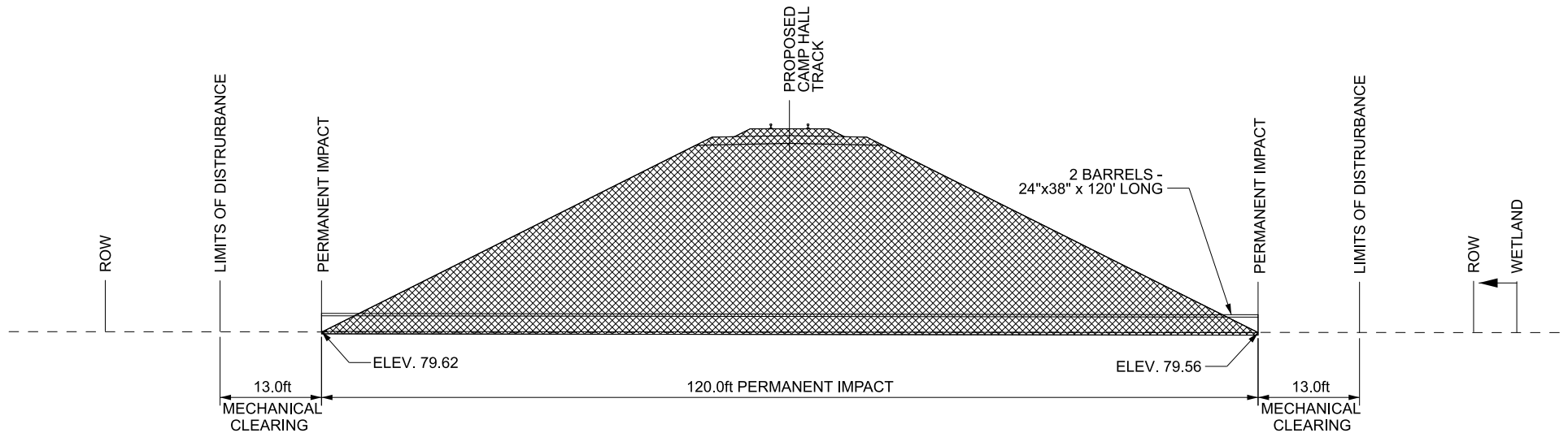
## CROSS SECTION SHEET 8 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

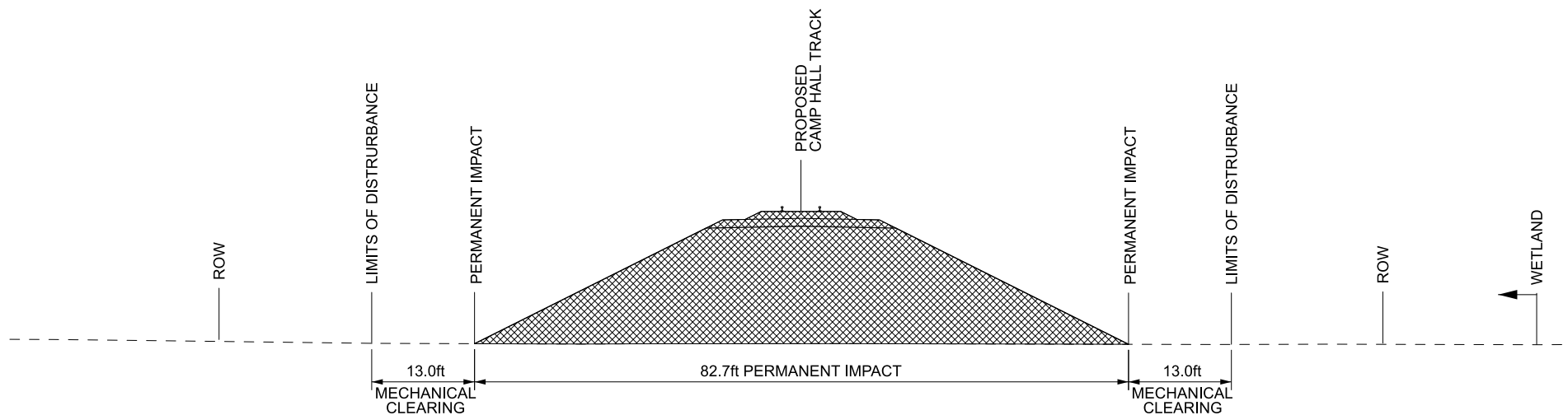
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 59 OF 106





**SECTION Q - CULVERT CD-54-D-B1/B2**  
STA. 283+18.00



**SECTION R**  
STA. 290+00



PERMITTEE: PALMETTO RAILWAYS

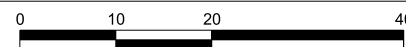


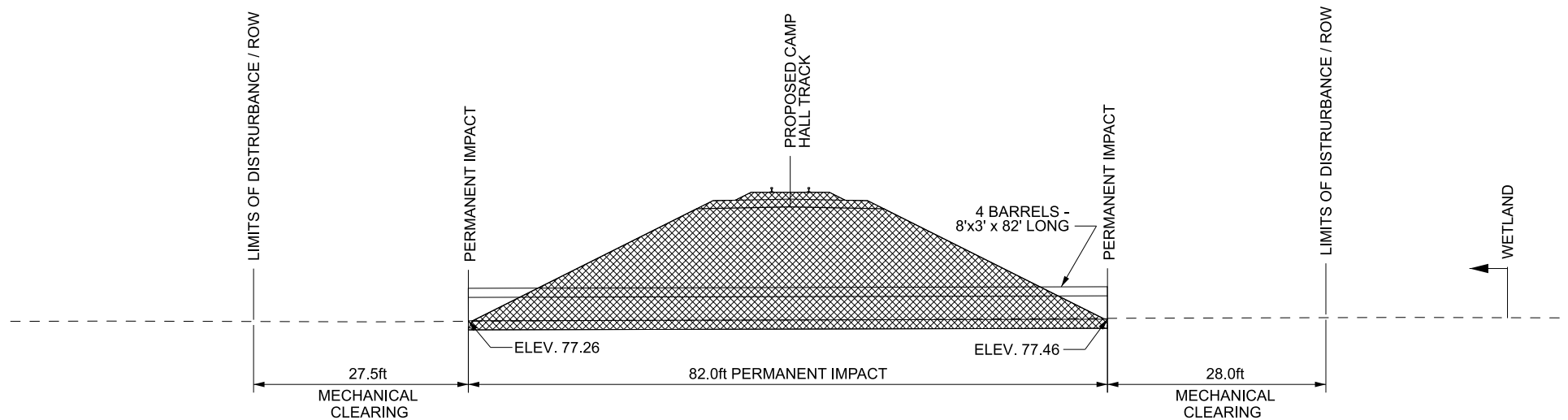
## CROSS SECTION SHEET 9 OF 39

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

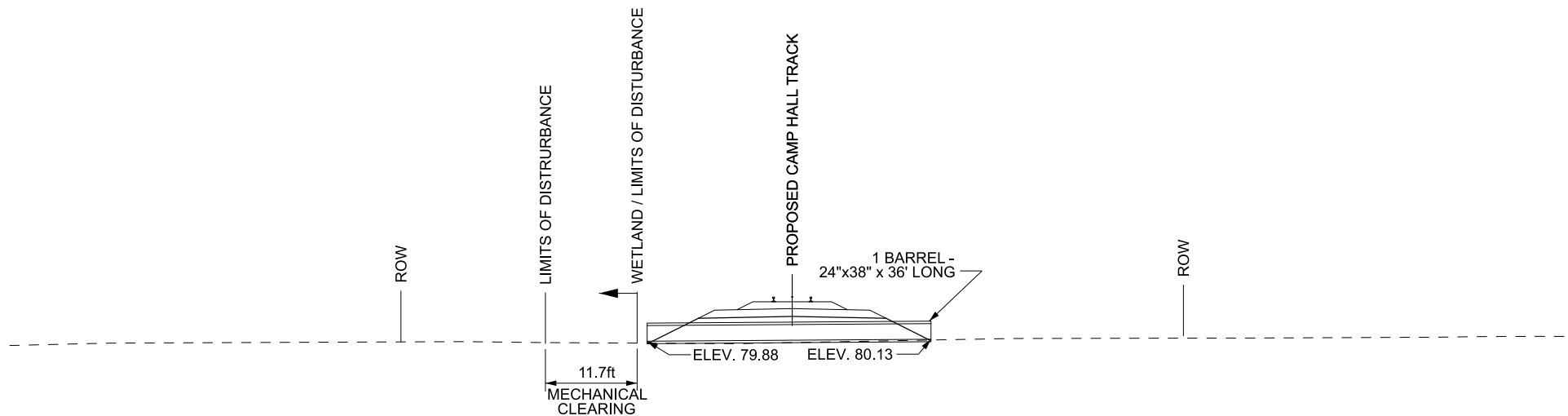
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 60 OF 106





SECTION S - CULVERT CD-55-A  
STA. 292+24.16



SECTION T - CULVERT CD-58  
STA. 316+53.00



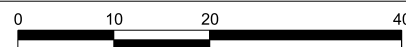
## CROSS SECTION SHEET 10 OF 39

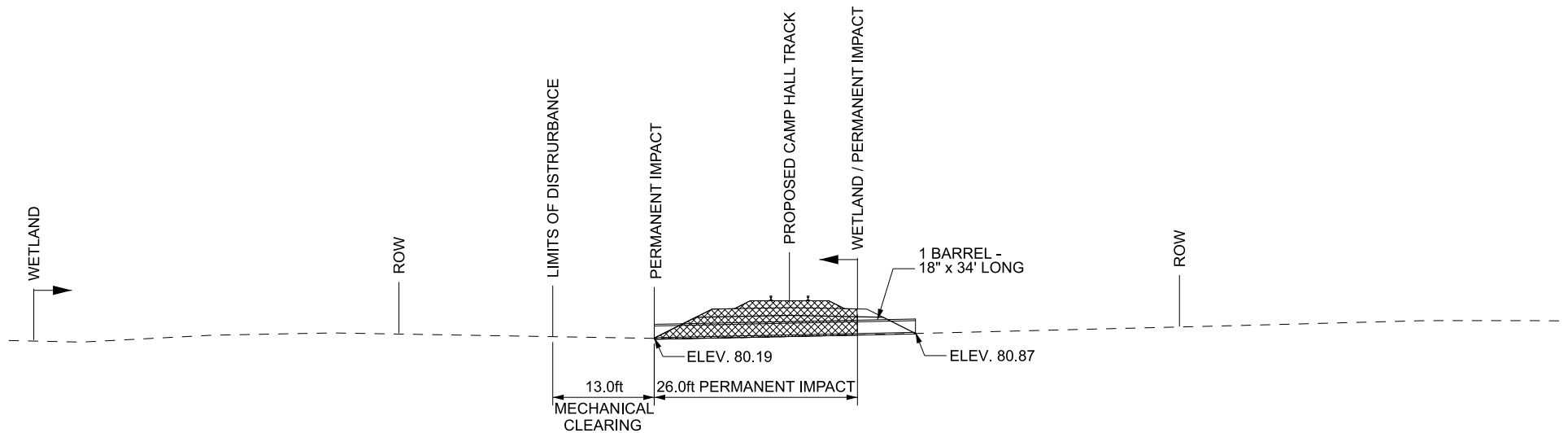
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

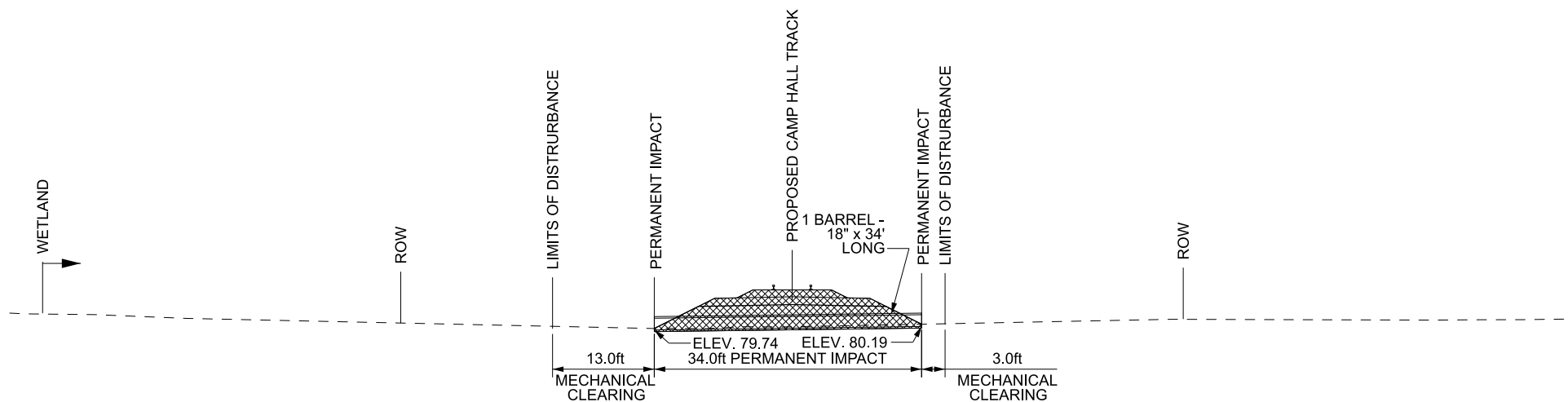
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 61 OF 106





SECTION U - CULVERT CD-61  
STA. 323+65.50



SECTION V - CULVERT CD-63  
STA. 326+61.00



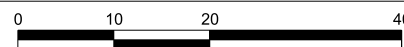
# CROSS SECTION SHEET 11 OF 39

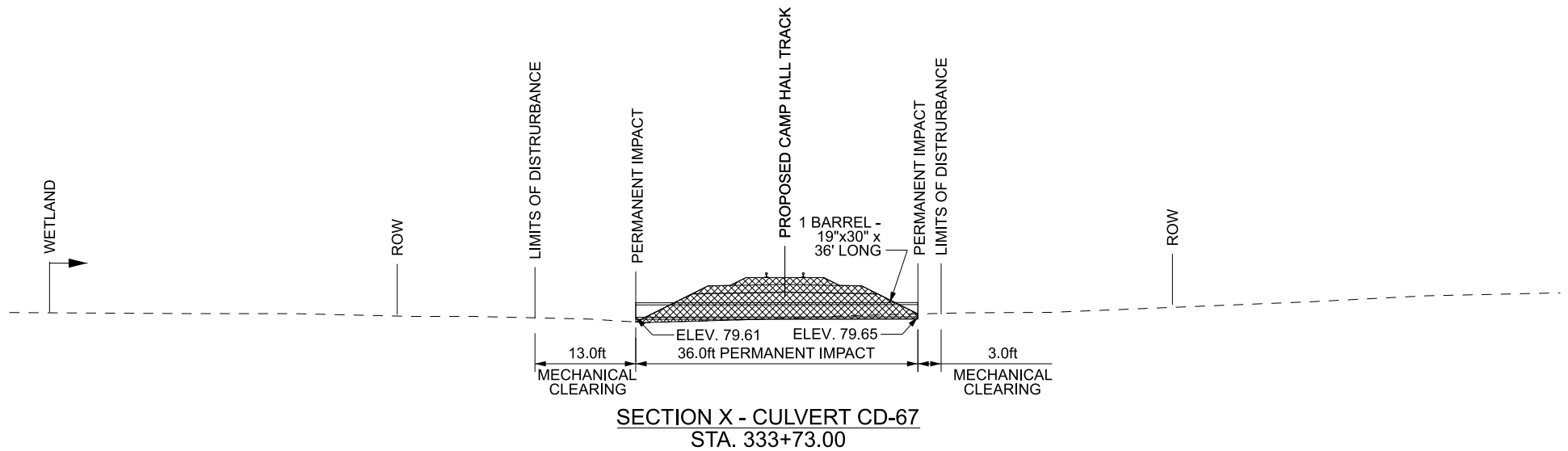
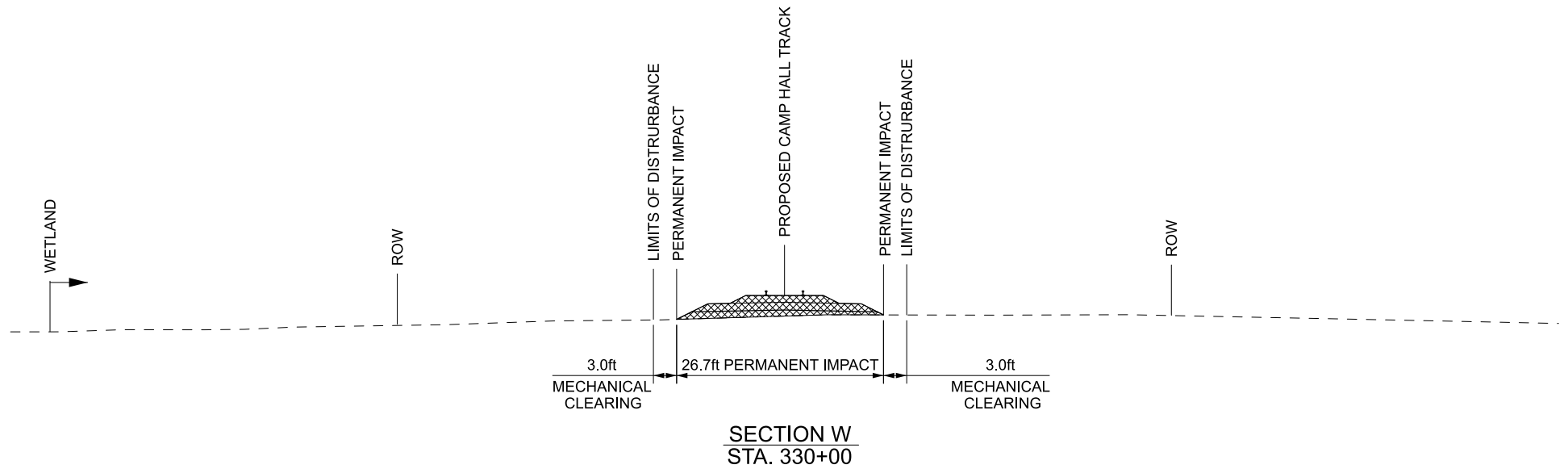
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 62 OF 106





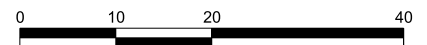
## CROSS SECTION SHEET 12 OF 39

PERMITTEE: PALMETTO RAILWAYS

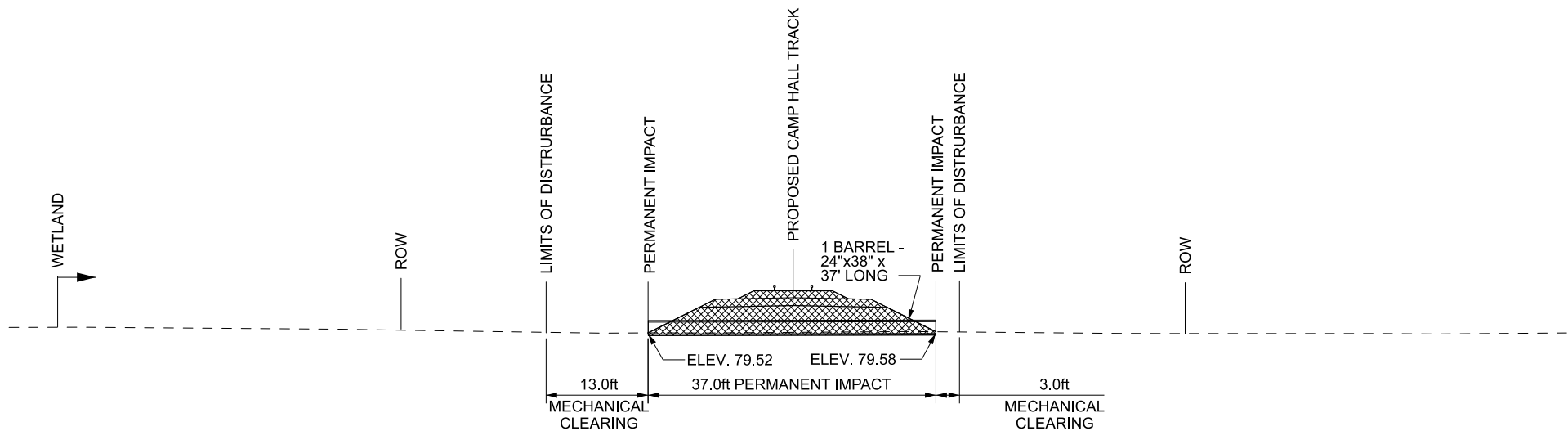
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

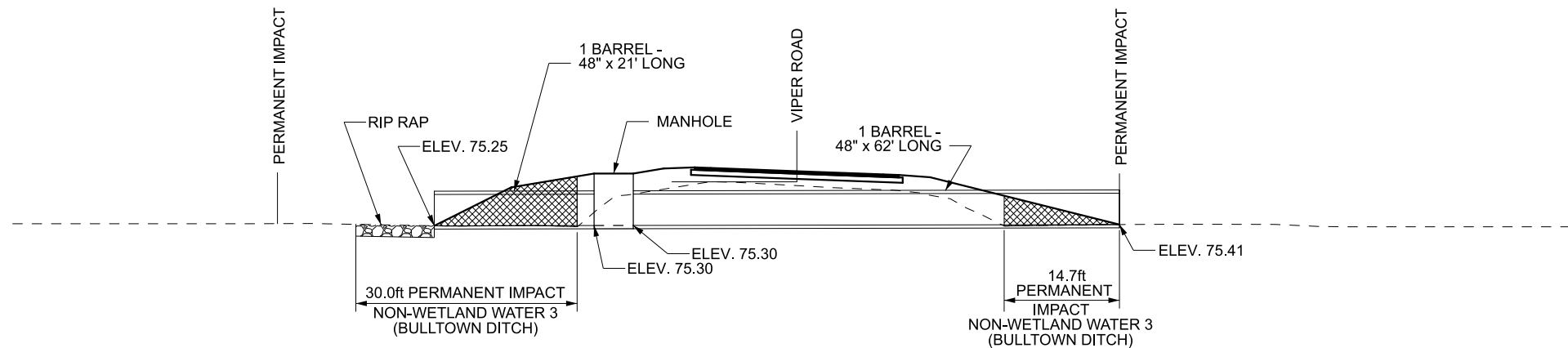
DATE: JANUARY 2024 SHEET 63 OF 106







SECTION Y - CULVERT CD-77  
STA. 339+93+00



SECTION Z - CULVERTS NP-6-2 AND NP-6-5  
STA. 43+57



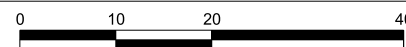
## CROSS SECTION SHEET 13 OF 39

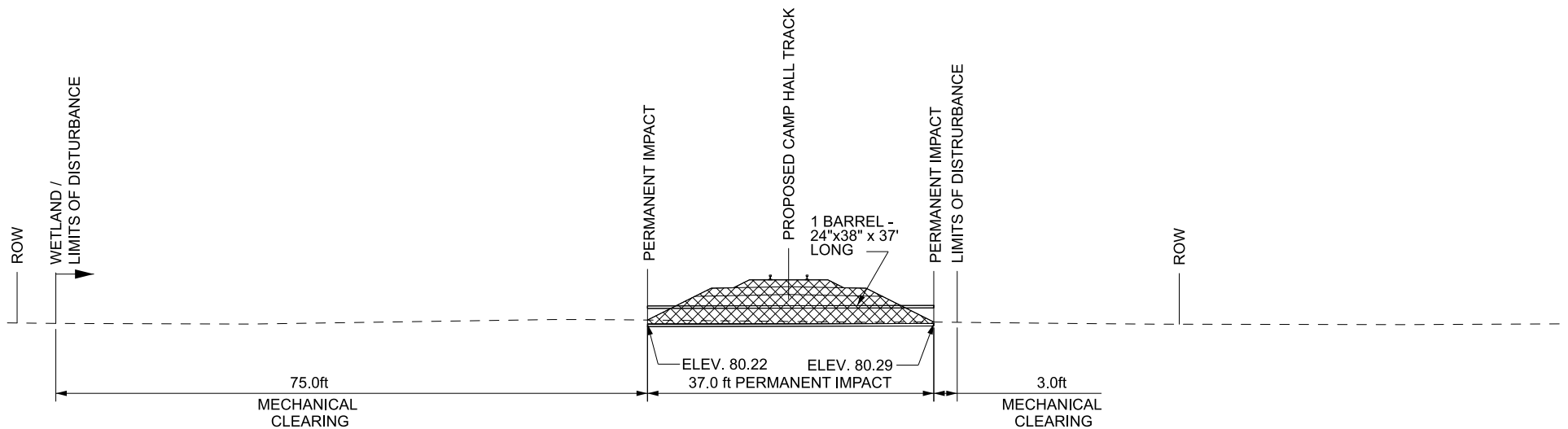
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

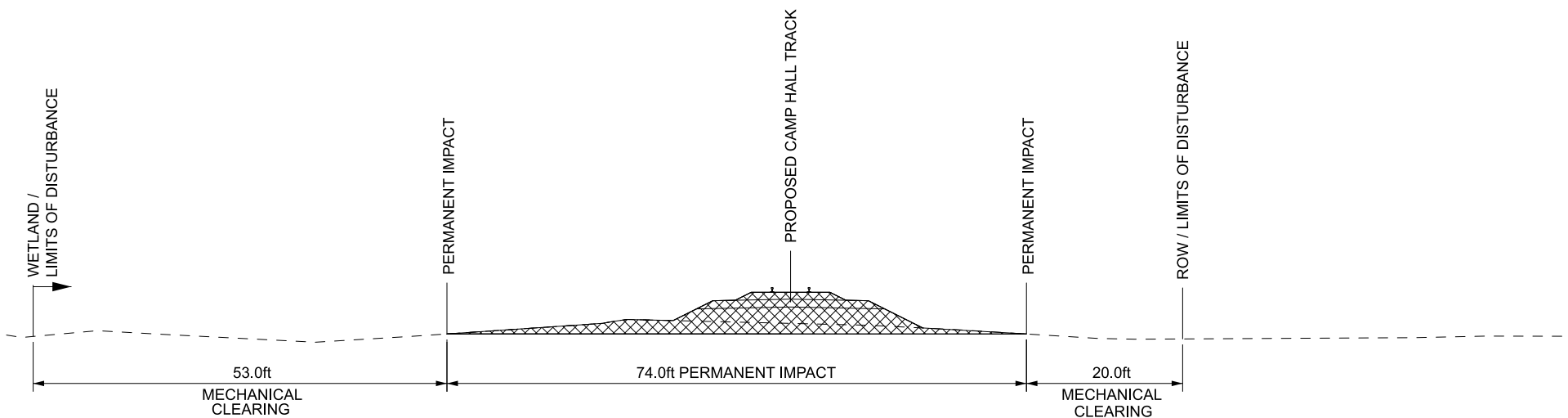
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 64 OF 106





SECTION AA - CULVERT CD-87  
STA. 354+81.00



SECTION AB  
STA. 355+00



PERMITTEE: PALMETTO RAILWAYS

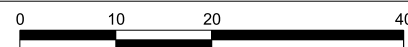


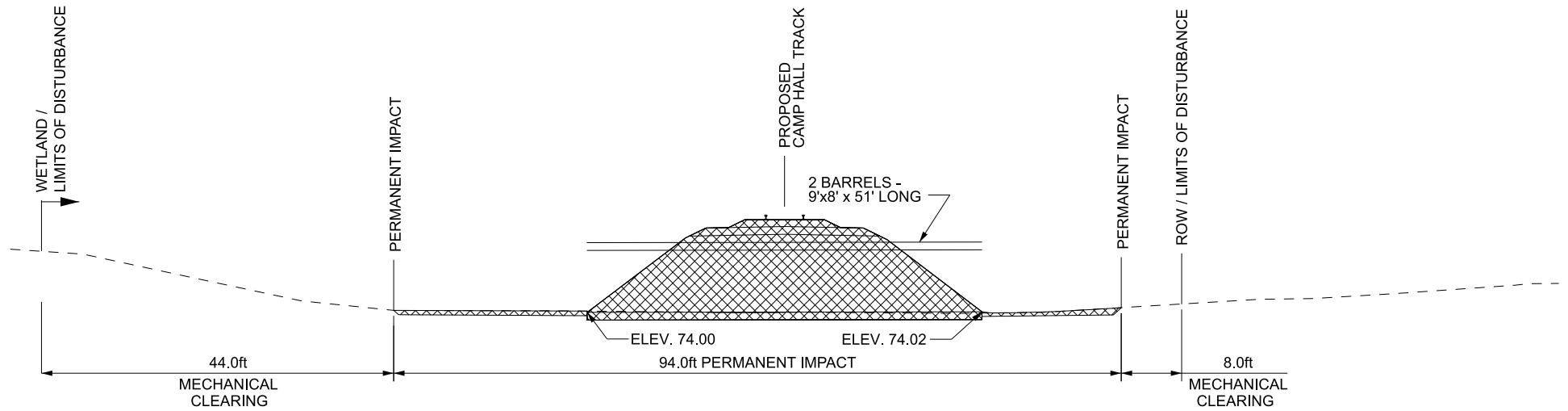
## CROSS SECTION SHEET 14 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

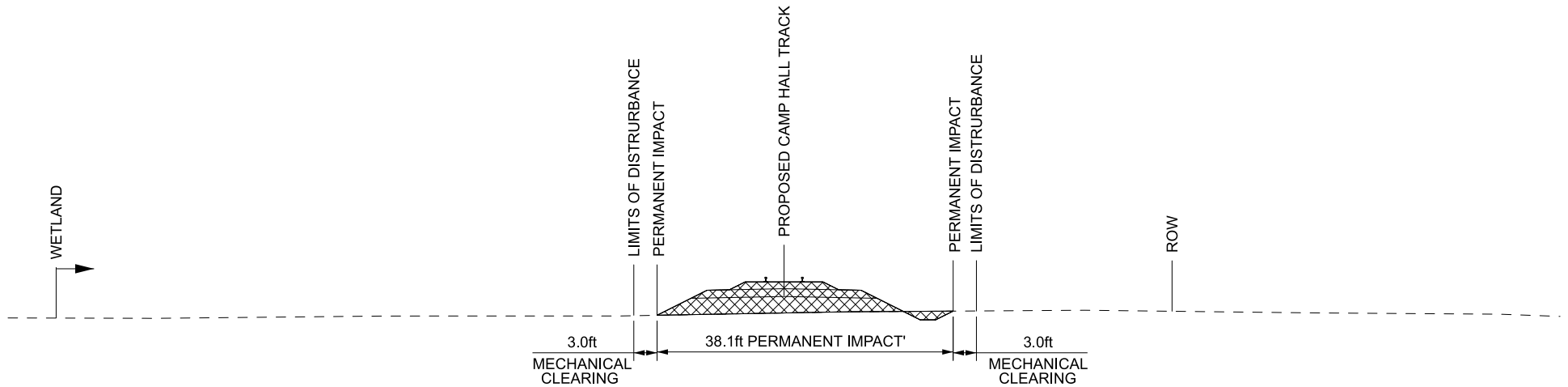
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 65 OF 106





SECTION AC - CULVERT CD-90  
STA. 355+19.67



SECTION AD  
STA. 358+00



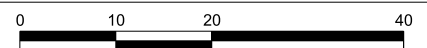
PERMITTEE: PALMETTO RAILWAYS

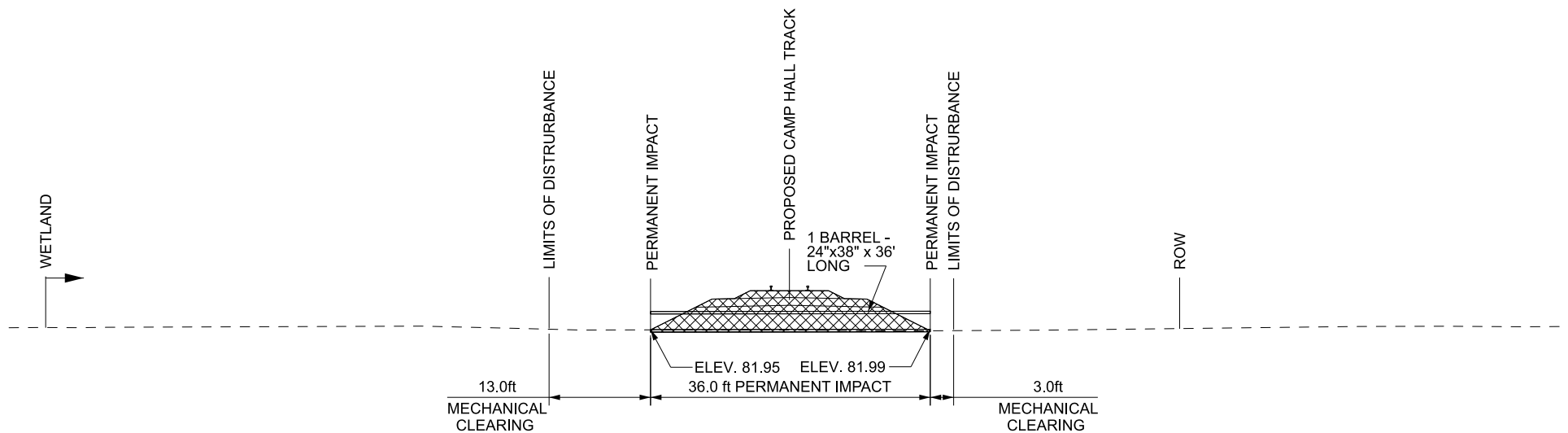
## CROSS SECTION SHEET 15 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

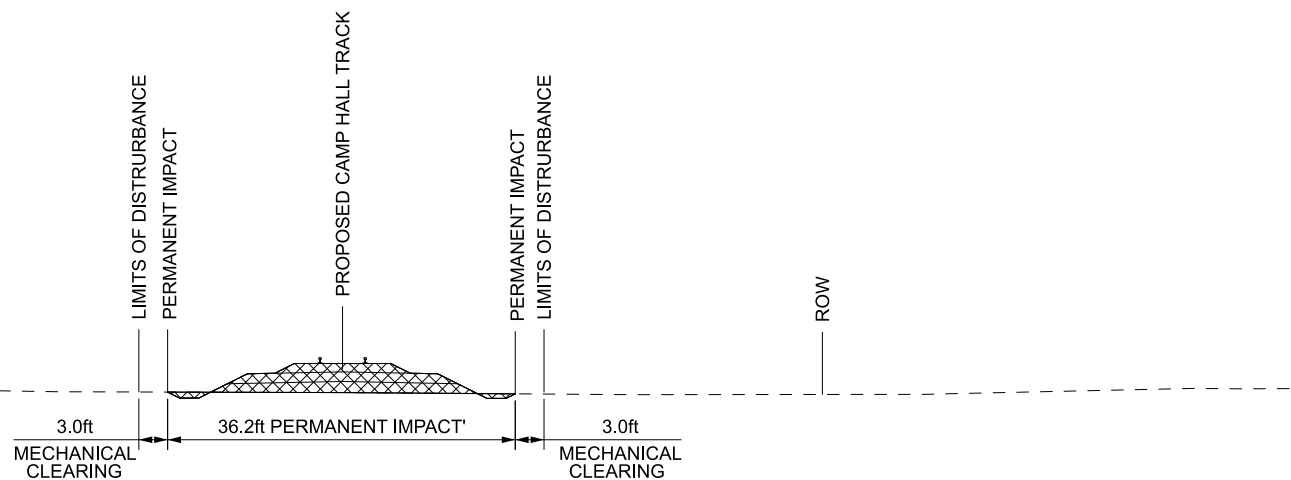
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 66 OF 106





SECTION AE - CULVERT CD-96  
STA. 366+67.00



SECTION AF  
STA. 370+00



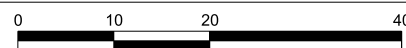
PERMITTEE: PALMETTO RAILWAYS

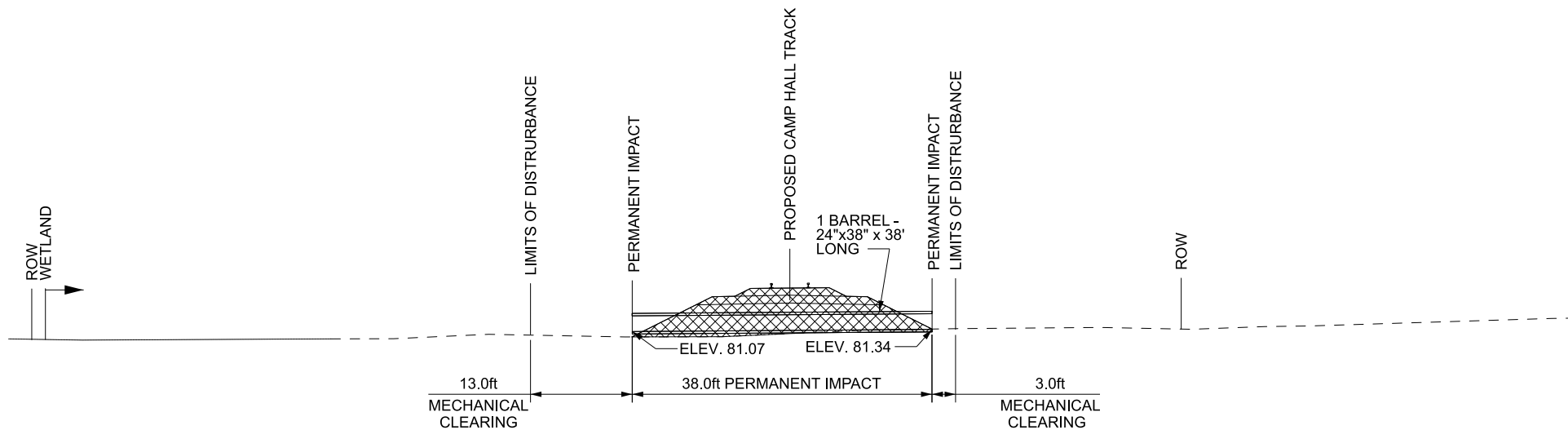
## CROSS SECTION SHEET 16 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

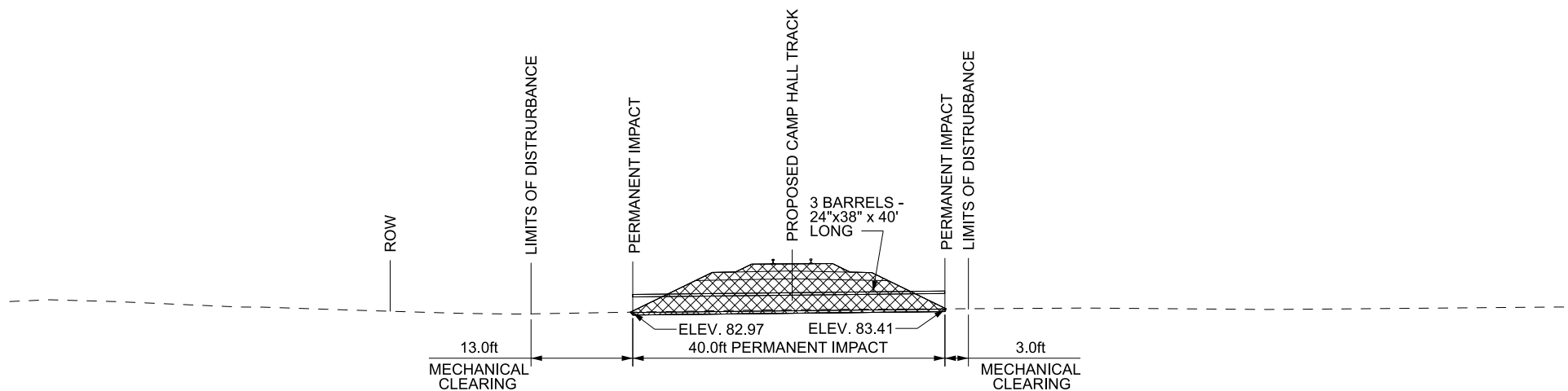
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 67 OF 106





SECTION AG - CULVERT CD-102  
STA. 375+60.00



SECTION AH - Culvert CD-105  
STA. 387+92.00



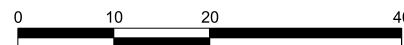
PERMITTEE: PALMETTO RAILWAYS

## CROSS SECTION SHEET 17 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

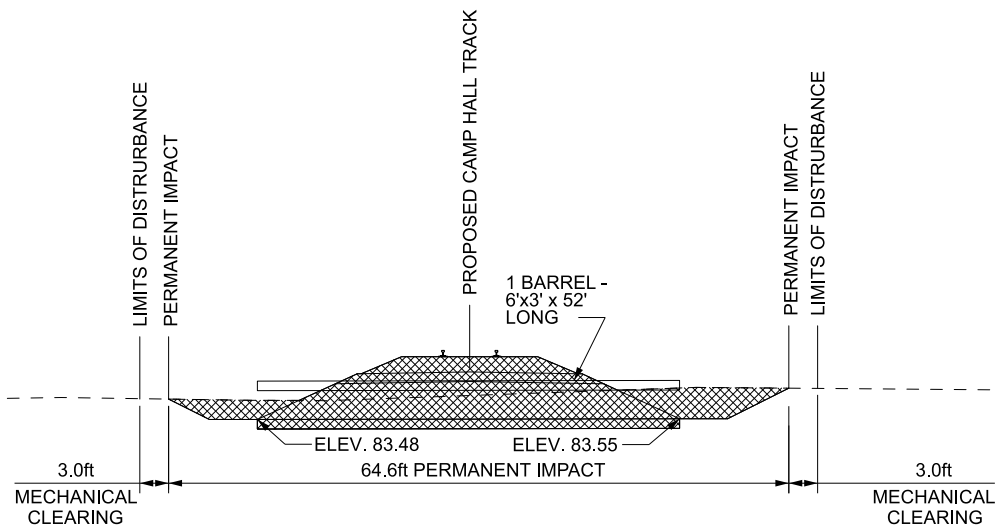
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 68 OF 106

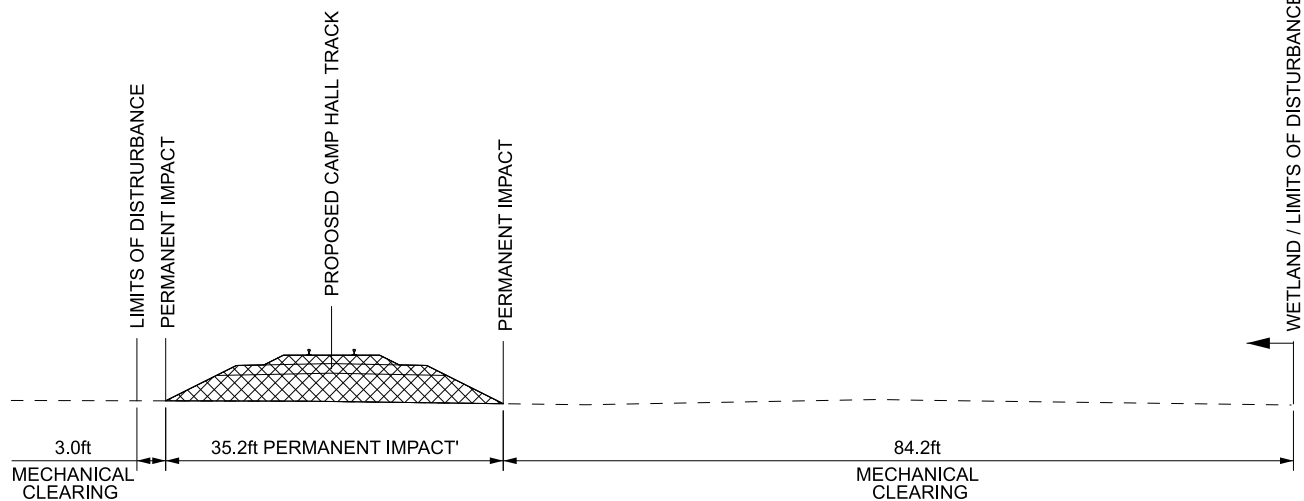








SECTION AK - CULVERT NP-9-2  
STA. 404+36.51



SECTION AL  
STA. 407+00



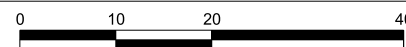
## CROSS SECTION SHEET 19 OF 39

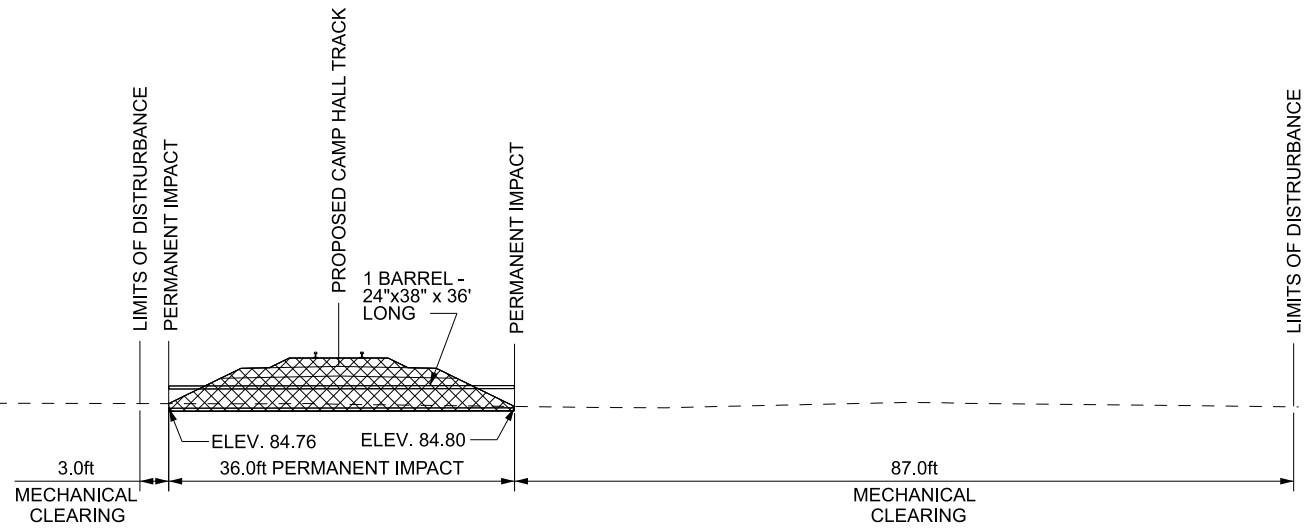
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

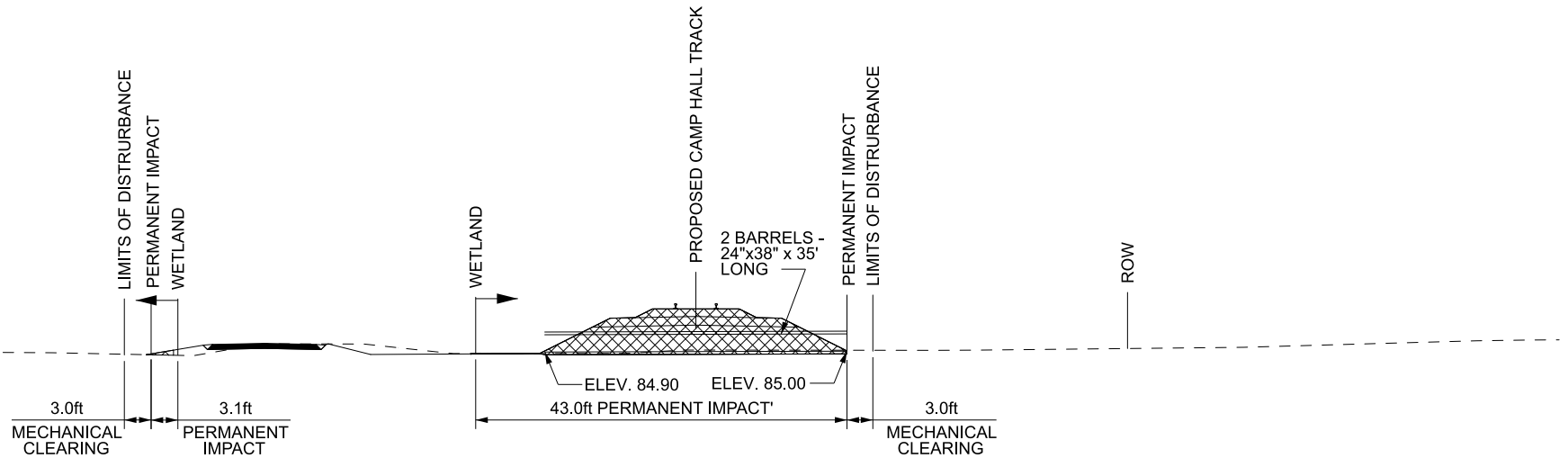
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 70 OF 106





SECTION AM - CULVERT CD-108  
STA. 407+17.00



SECTION AN - CULVERT CD-109  
STA. 411+00.00



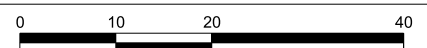
PERMITTEE: PALMETTO RAILWAYS

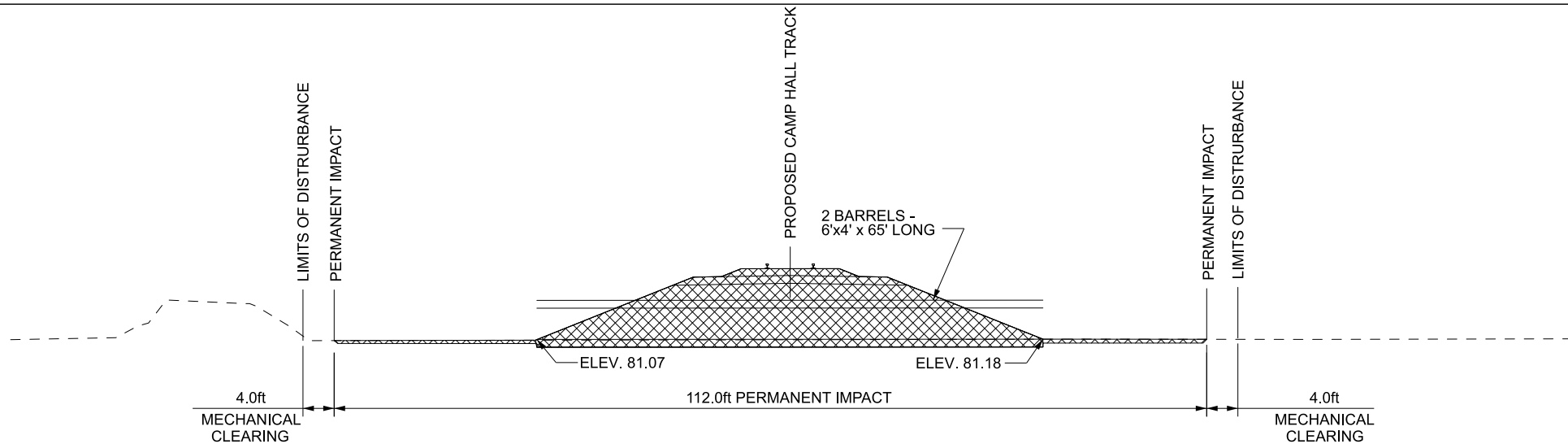
## CROSS SECTION SHEET 20 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

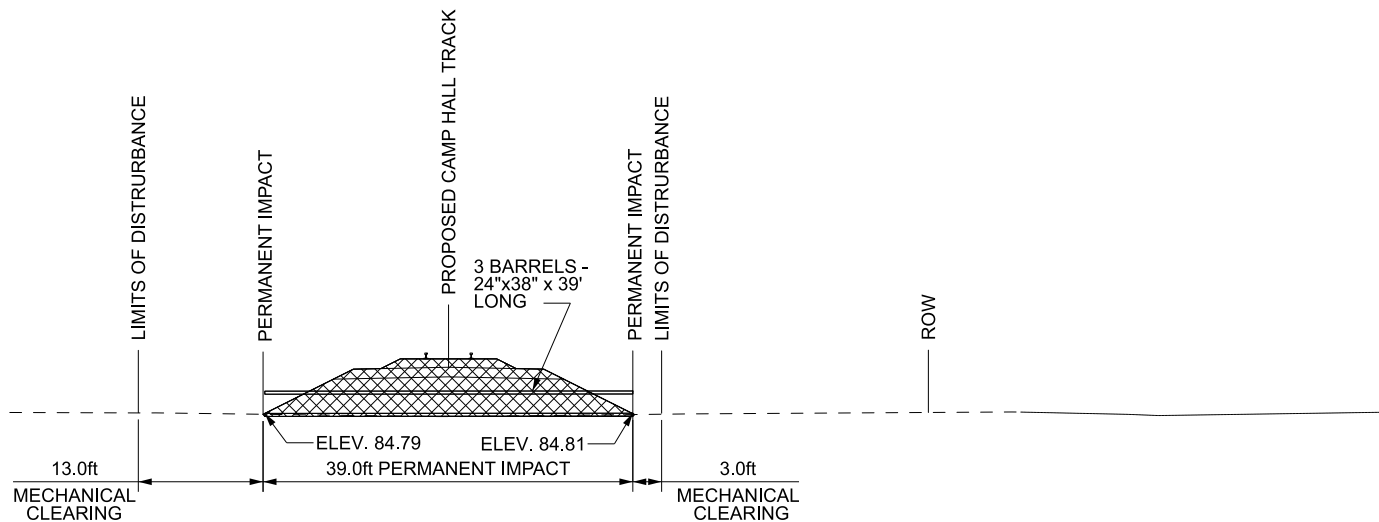
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 71 OF 106





SECTION AO - CULVERT CD-110  
STA. 415+96.37



SECTION AP - CULVERT CD-113  
STA. 421+06.00



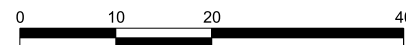
PERMITTEE: PALMETTO RAILWAYS

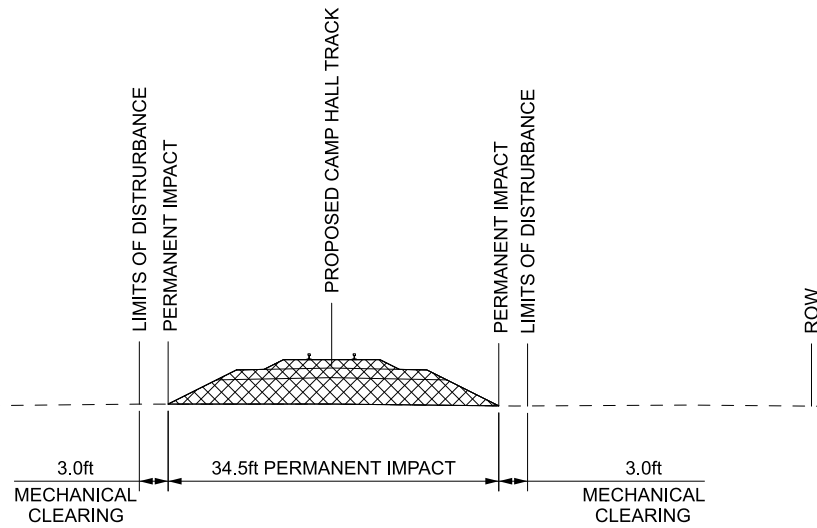
## CROSS SECTION SHEET 21 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

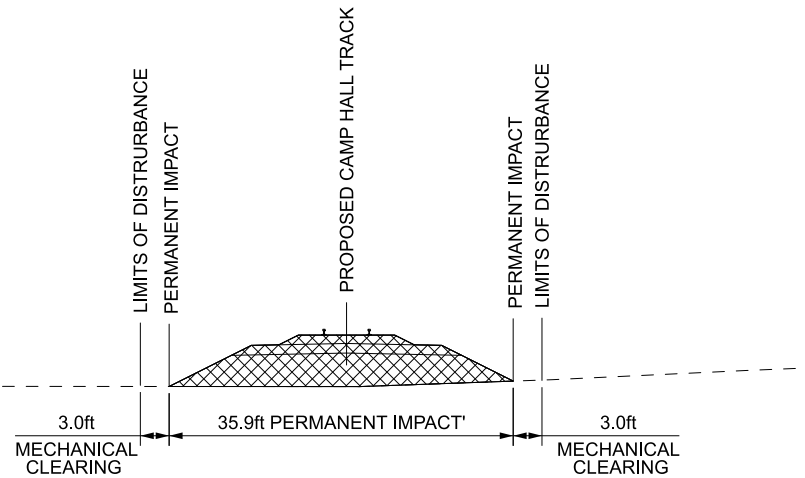
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 72 OF 106





SECTION AQ  
STA. 422+00



SECTION AR  
STA. 432+00



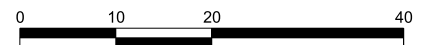
PERMITTEE: PALMETTO RAILWAYS

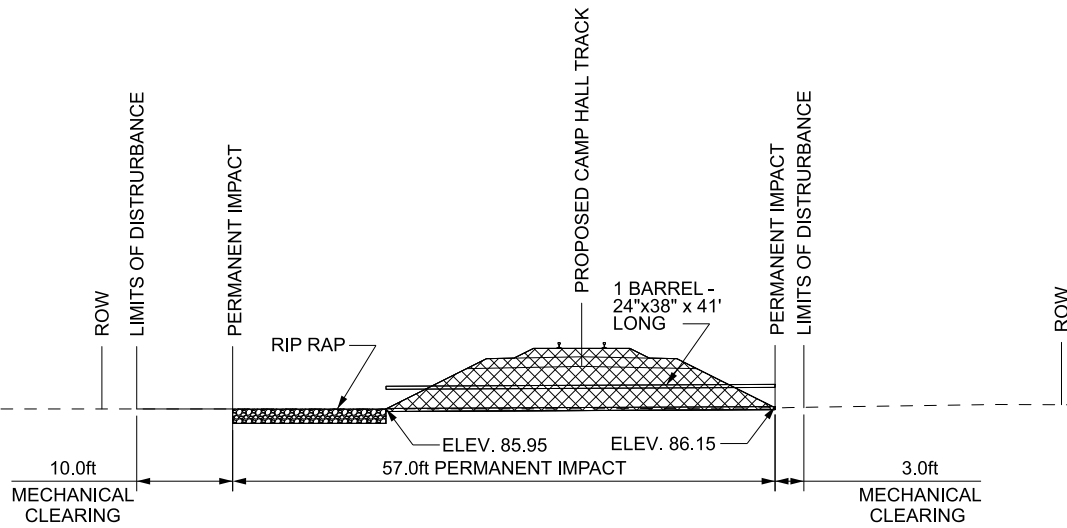
## CROSS SECTION SHEET 22 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

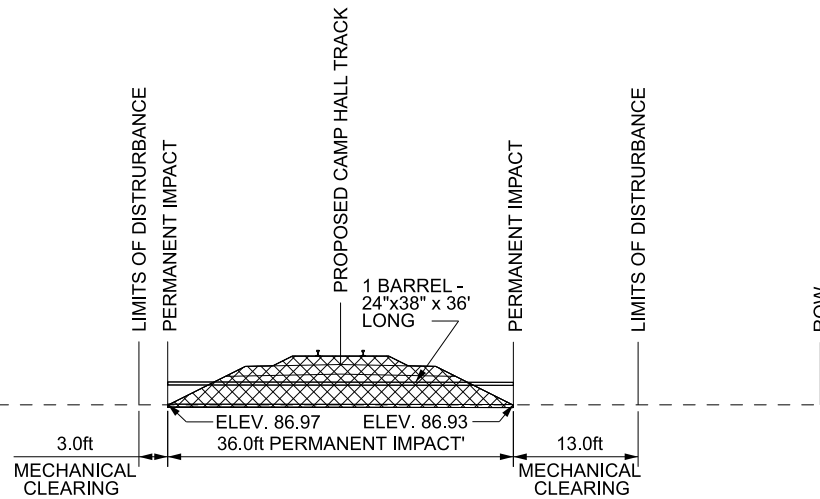
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 73 OF 106





SECTION AS - CULVERT CD-118  
STA. 433+00.00



SECTION AT - CULVERT CD-129  
STA. 441+25.00



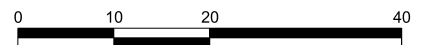
## CROSS SECTION SHEET 23 OF 39

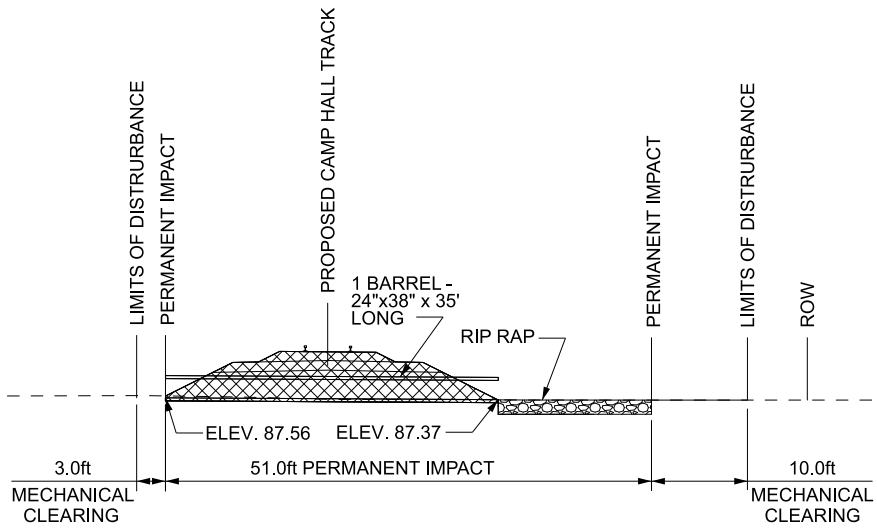
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

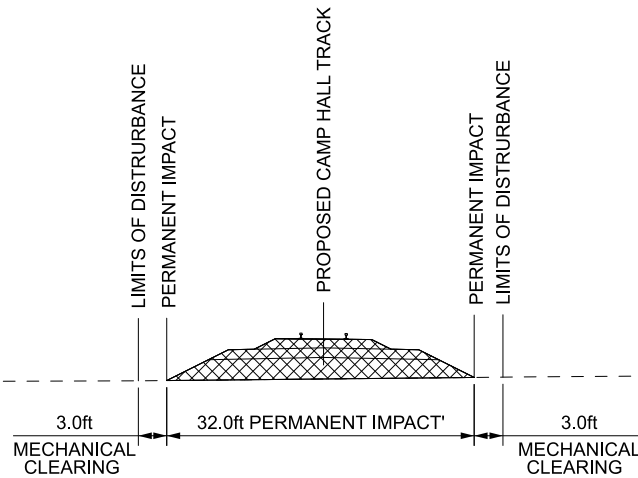
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 74 OF 106





SECTION AU - CULVERT CD-134  
STA. 447+95.00



SECTION AV  
STA. 450+00



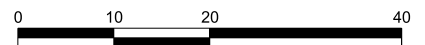
## CROSS SECTION SHEET 24 OF 39

PERMITTEE: PALMETTO RAILWAYS

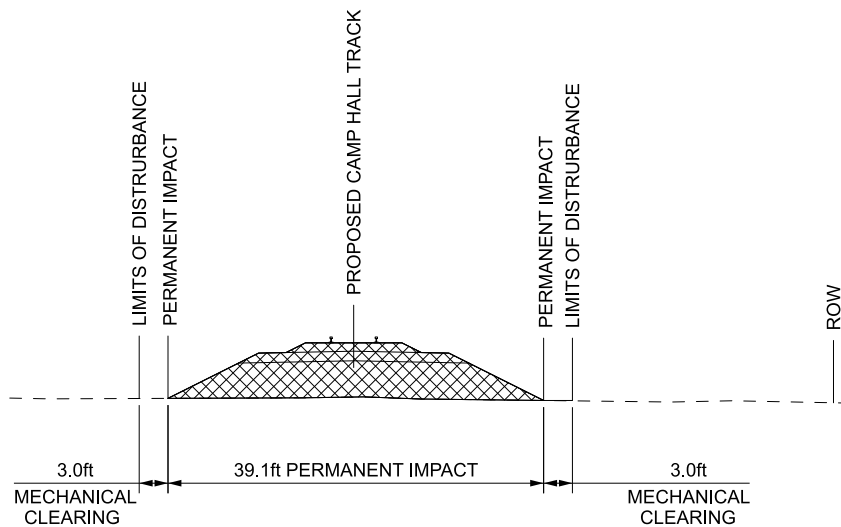
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

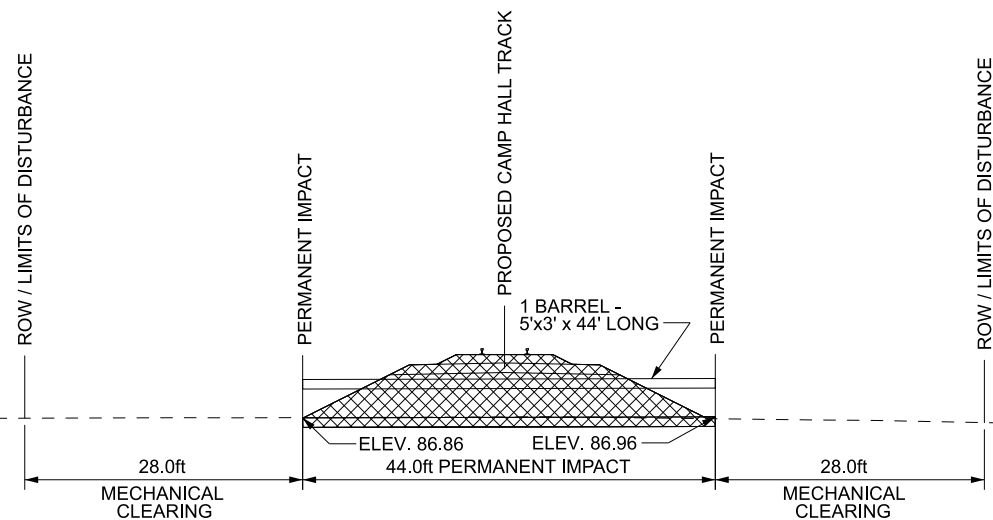
DATE: JANUARY 2024 SHEET 75 OF 106







**SECTION AW**  
STA. 463+00



**SECTION AX - CULVERT CD-144**  
STA. 464+21.46



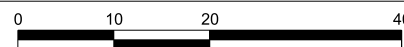
PERMITTEE: PALMETTO RAILWAYS

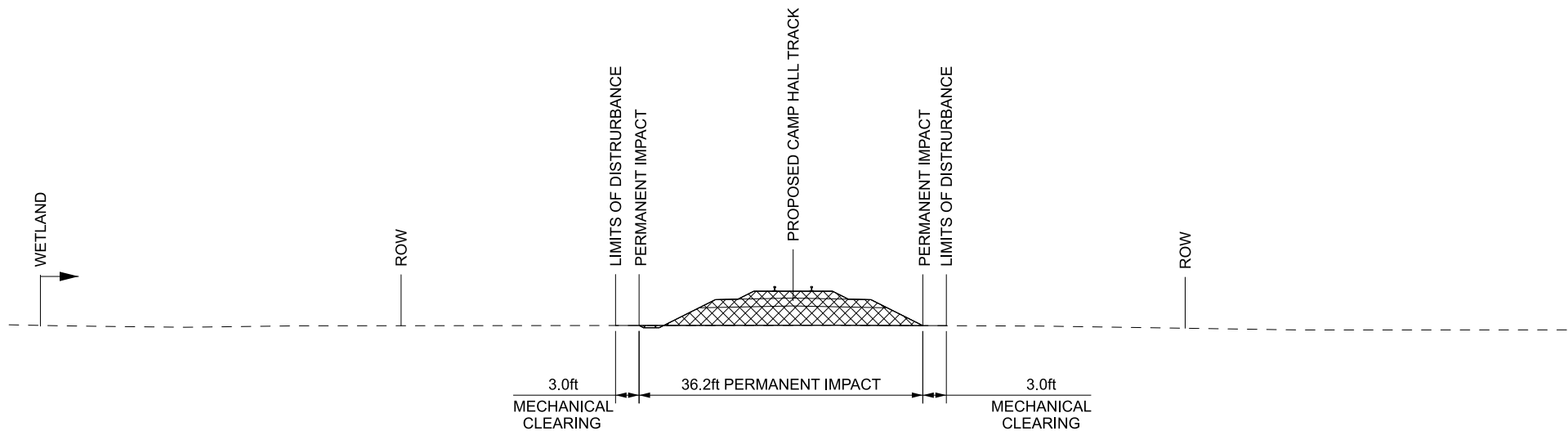
## CROSS SECTION SHEET 25 OF 39

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

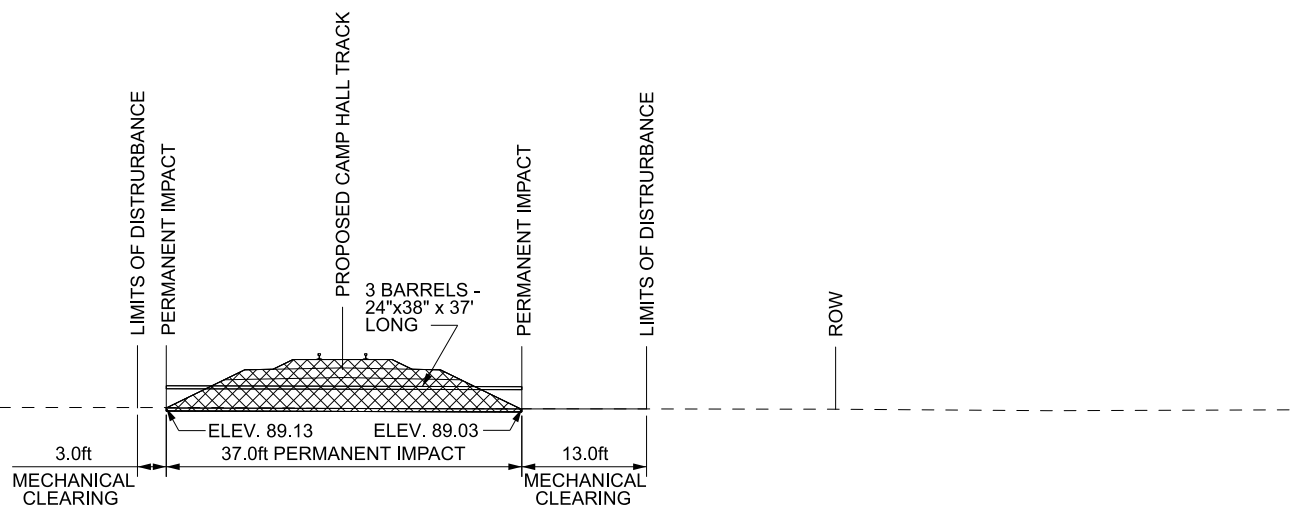
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 76 OF 106





SECTION AY  
STA. 485+00



SECTION AZ - CULVERT CD-154  
STA. 486+68.50



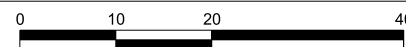
## CROSS SECTION SHEET 26 OF 39

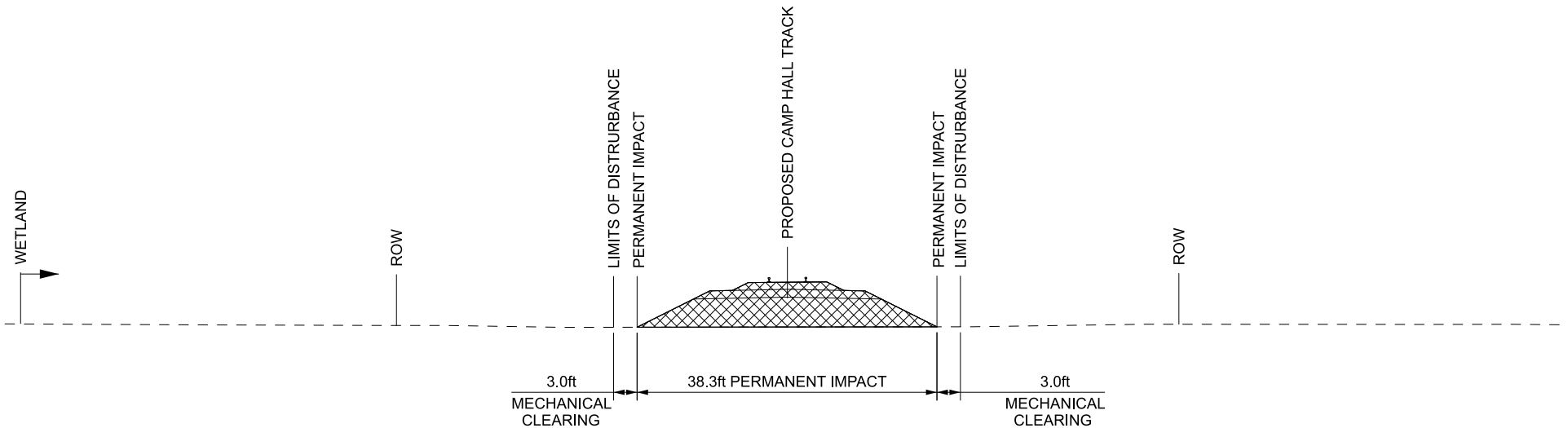
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

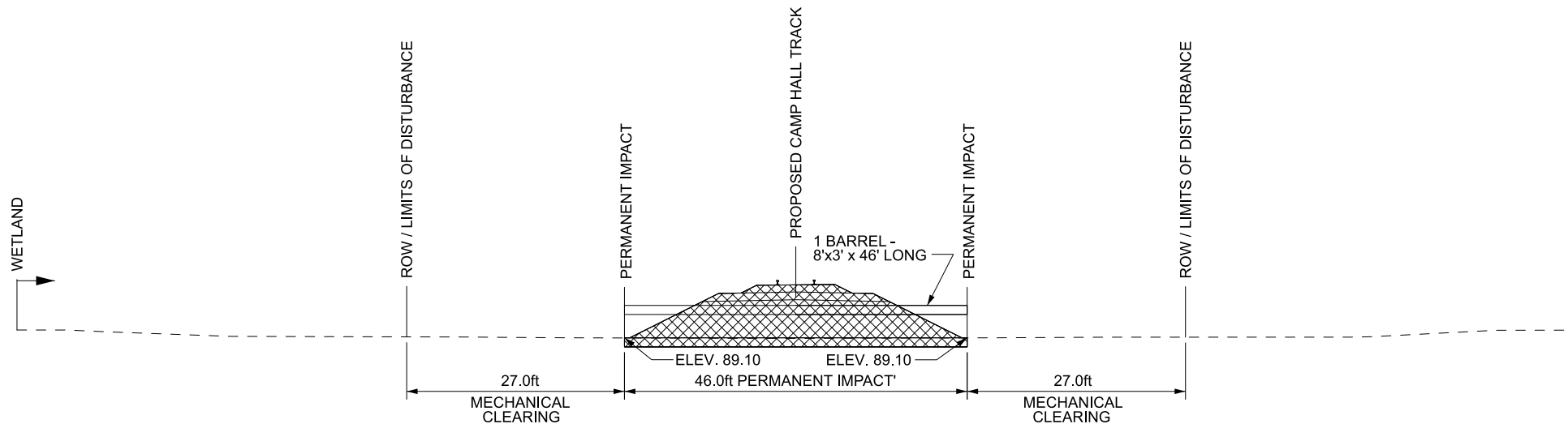
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 77 OF 106





SECTION BA  
STA. 515+00



SECTION BB - CULVERT CD-169  
STA. 518+12.37



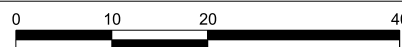
PERMITTEE: PALMETTO RAILWAYS

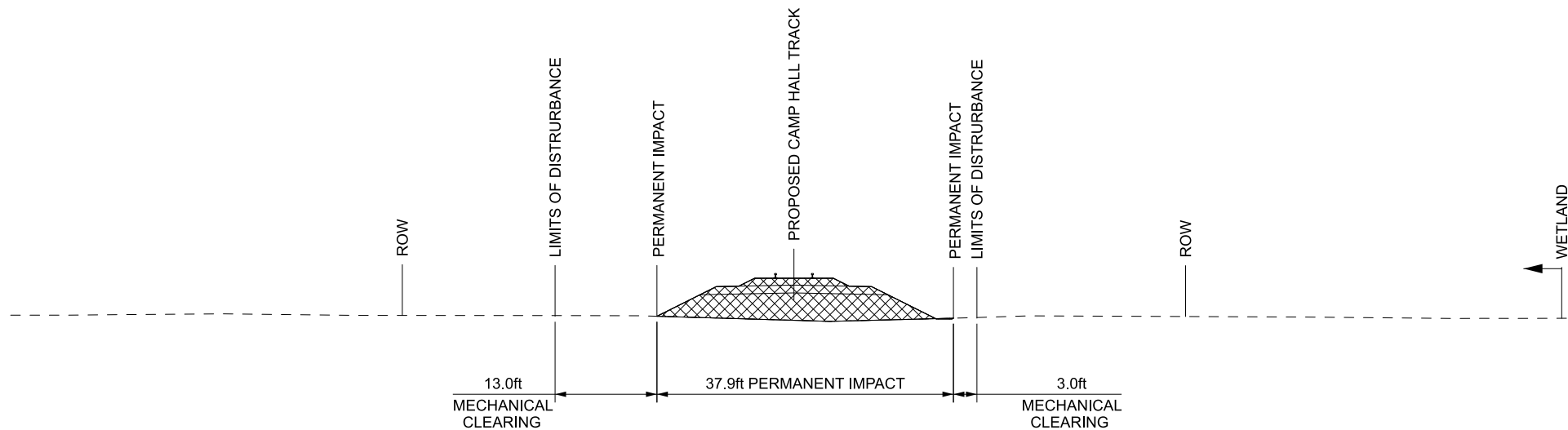
## CROSS SECTION SHEET 27 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

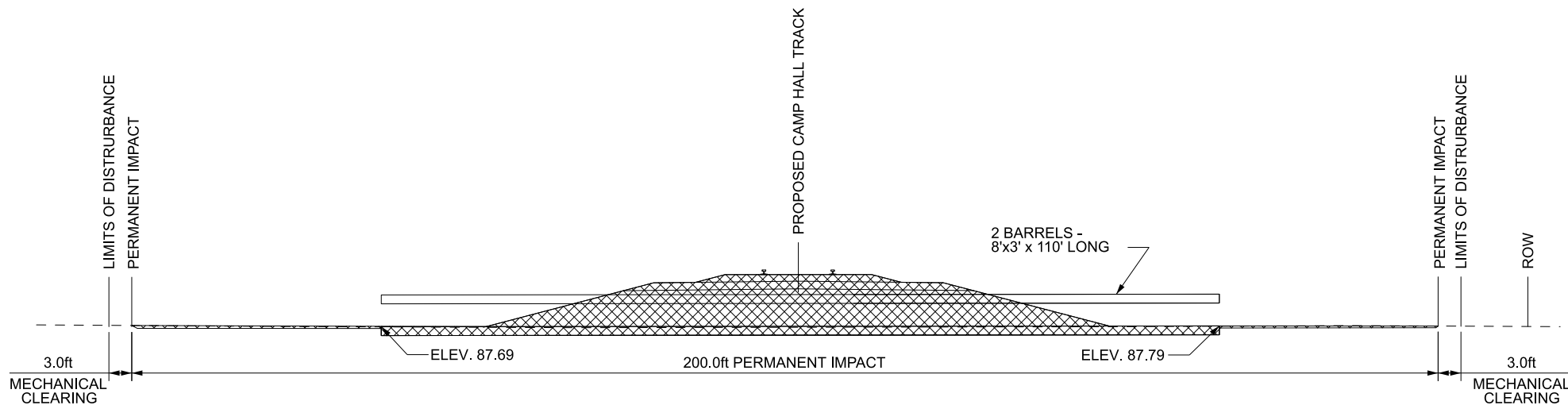
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 78 OF 106





SECTION BC  
STA. 545+00



SECTION BD - CULVERT CD-193  
STA. 559+01.39



PERMITTEE: PALMETTO RAILWAYS

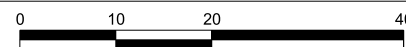


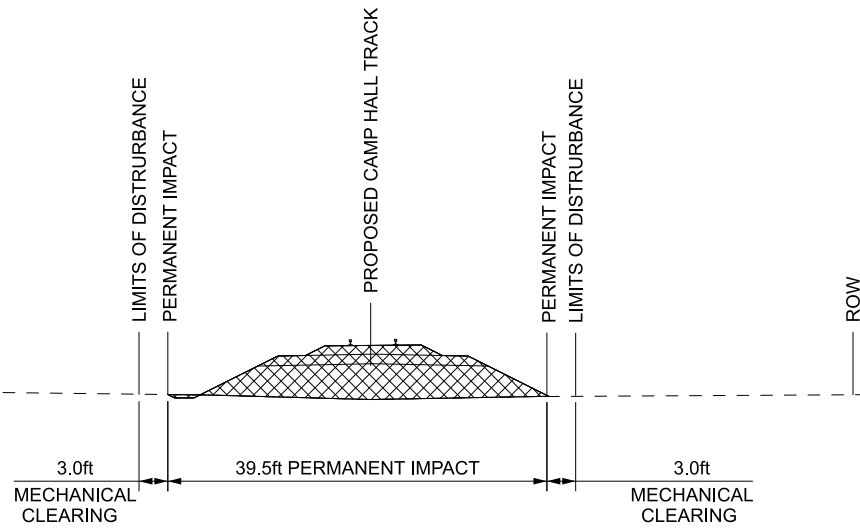
## CROSS SECTION SHEET 28 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

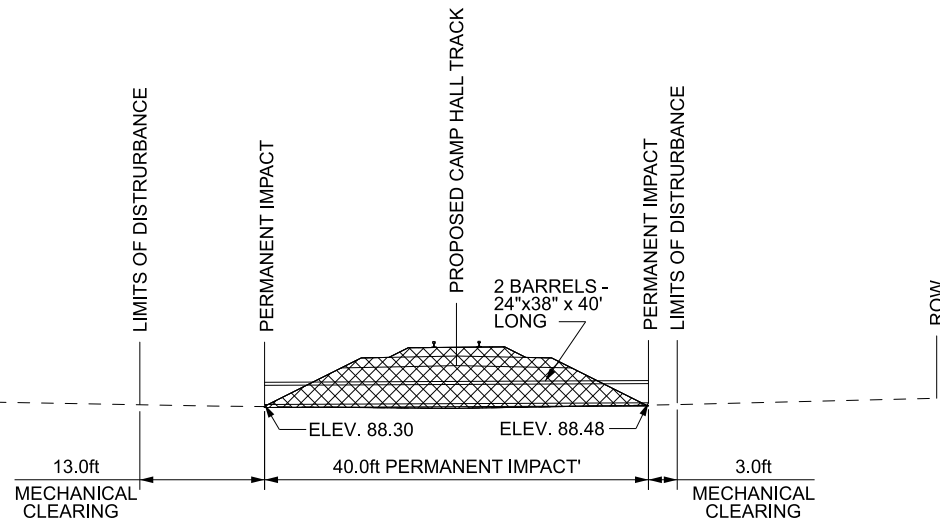
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 79 OF 106





SECTION BE  
STA. 563+00



SECTION BF - CULVERT CD-195  
STA. 565+27.50



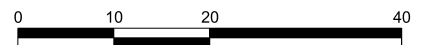
## CROSS SECTION SHEET 29 OF 39

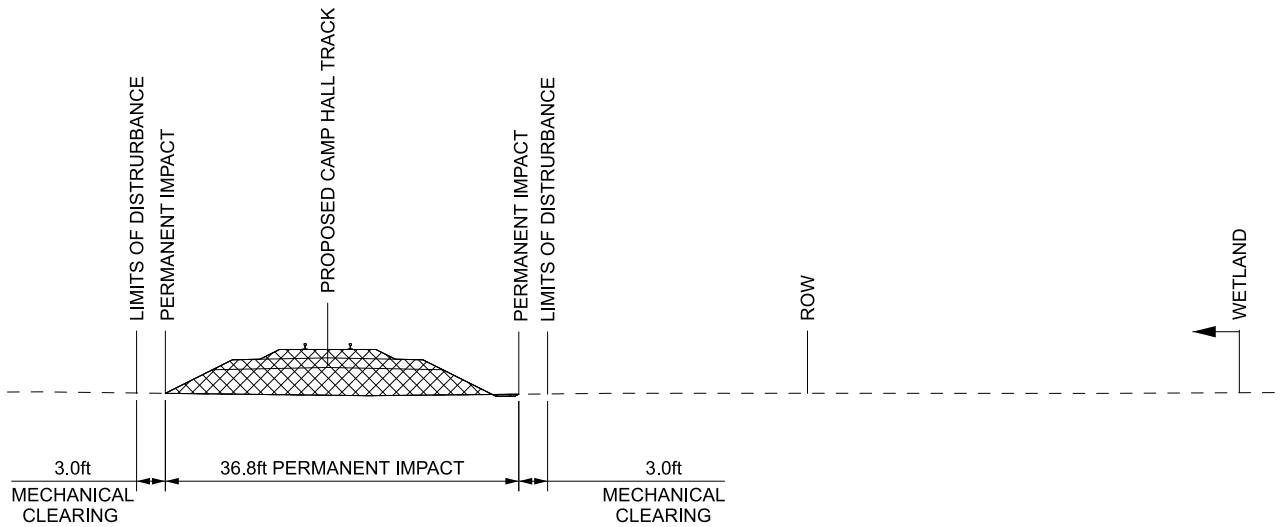
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

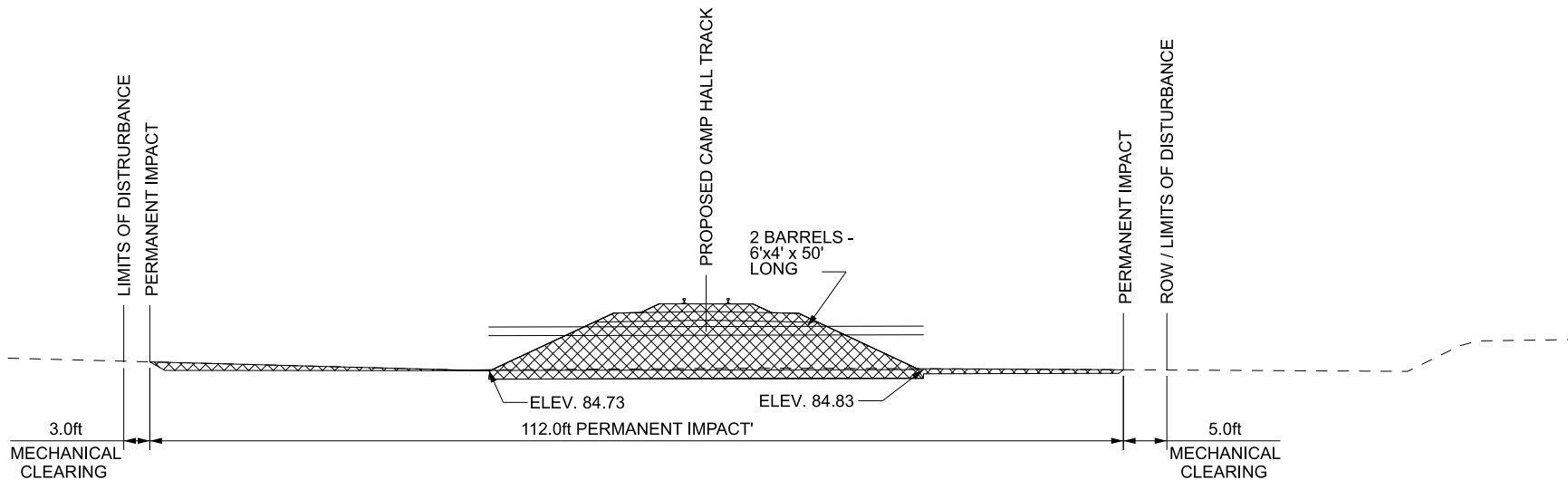
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 80 OF 106





SECTION BG  
STA. 589+00



SECTION BH - CULVERT 199  
STA. 591+22.08



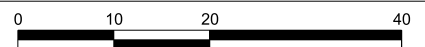
PERMITTEE: PALMETTO RAILWAYS

## CROSS SECTION SHEET 30 OF 39

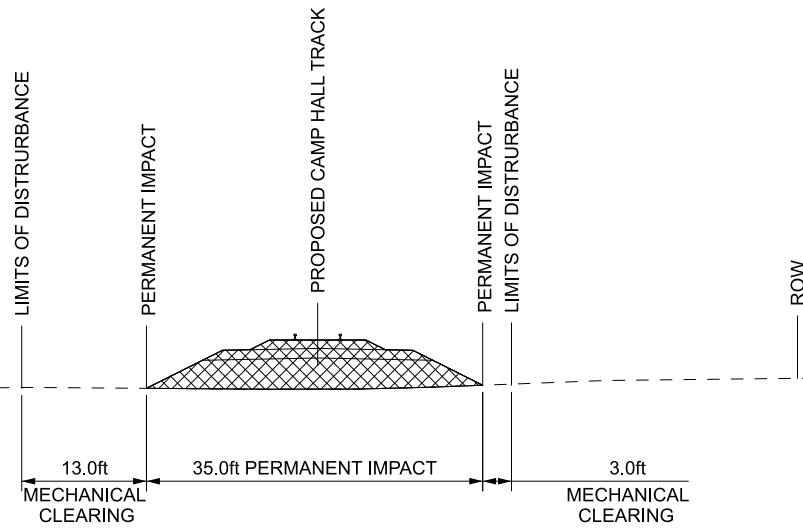
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

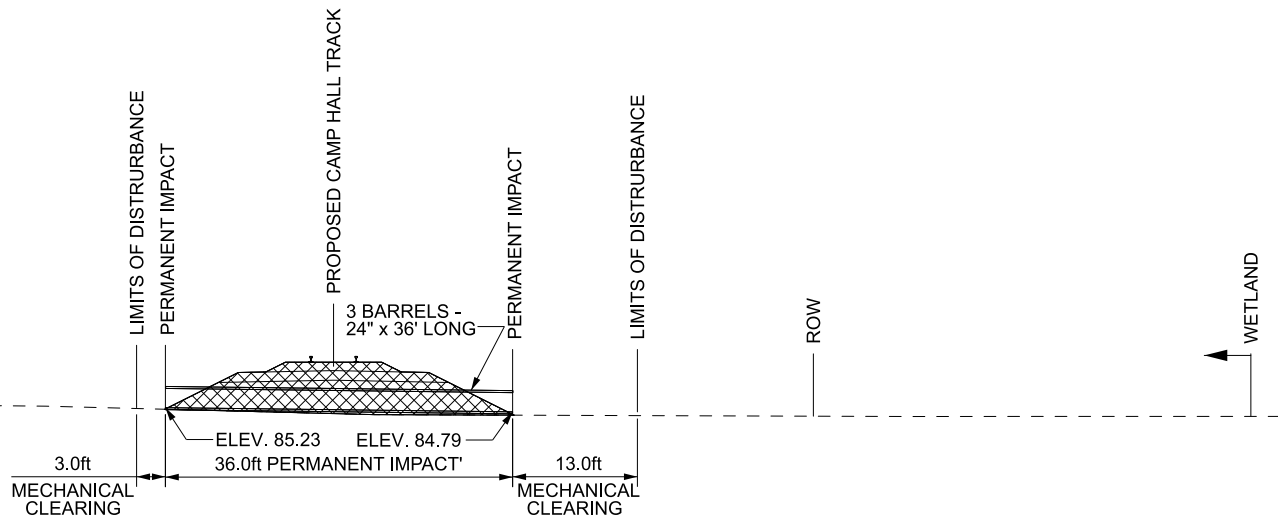
DATE: JANUARY 2024 SHEET 81 OF 106







SECTION BI  
STA. 593+00



SECTION BJ - CULVERT CD-208  
STA. 610+32.00



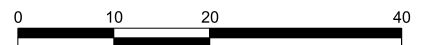
## CROSS SECTION SHEET 31 OF 39

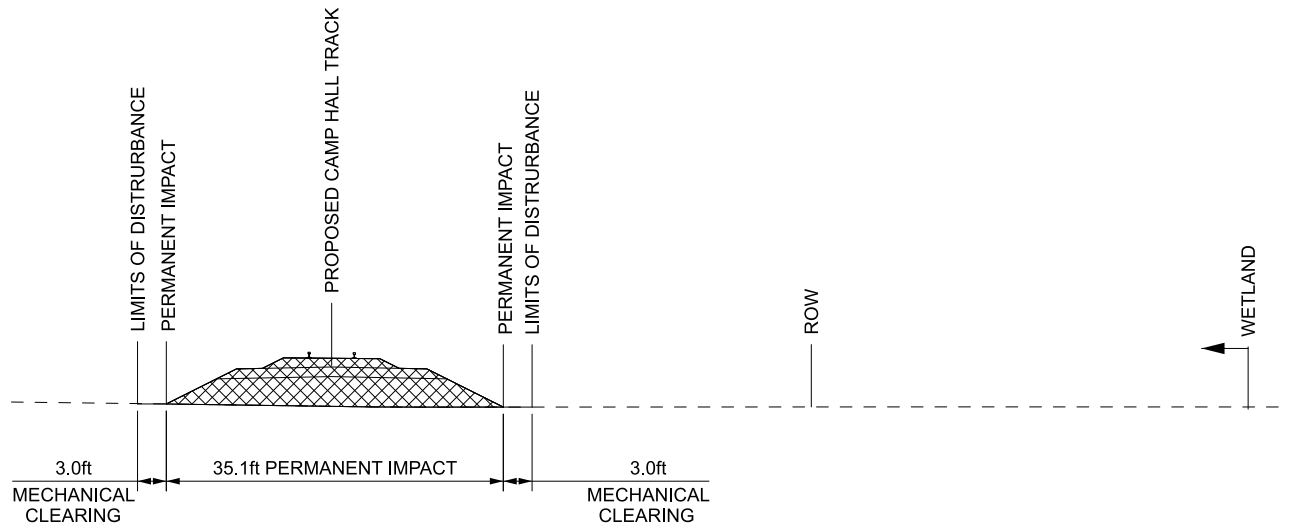
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

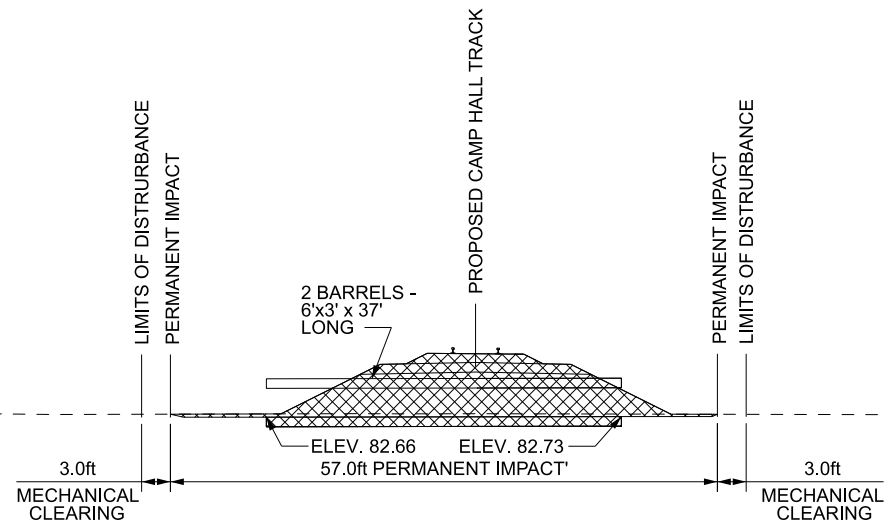
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 82 OF 106





SECTION BK  
STA. 615+00



SECTION BL - CULVERT CD-213  
STA. 624+04.53



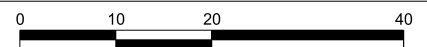
## CROSS SECTION SHEET 32 OF 39

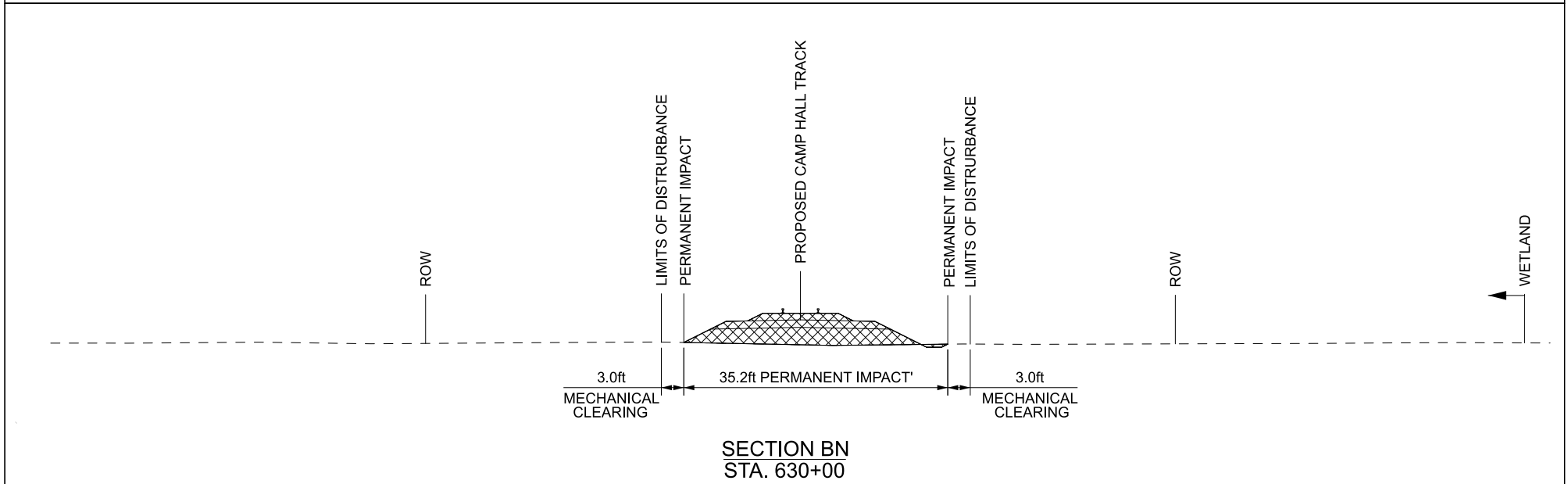
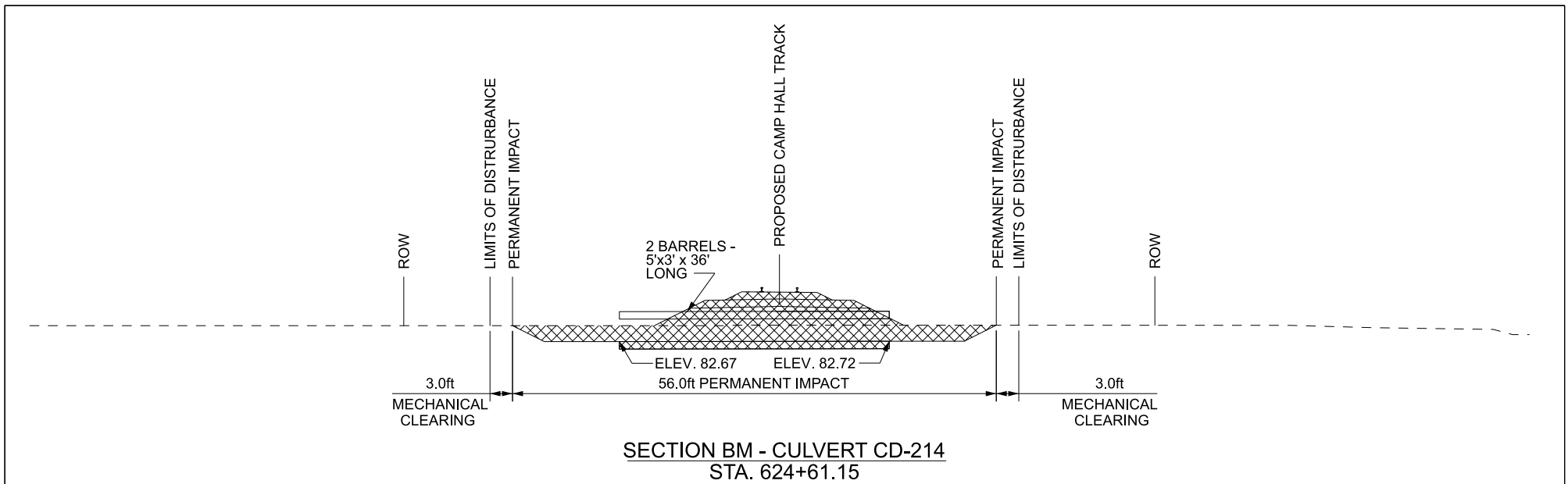
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 83 OF 106





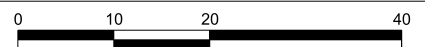
## CROSS SECTION SHEET 33 OF 39

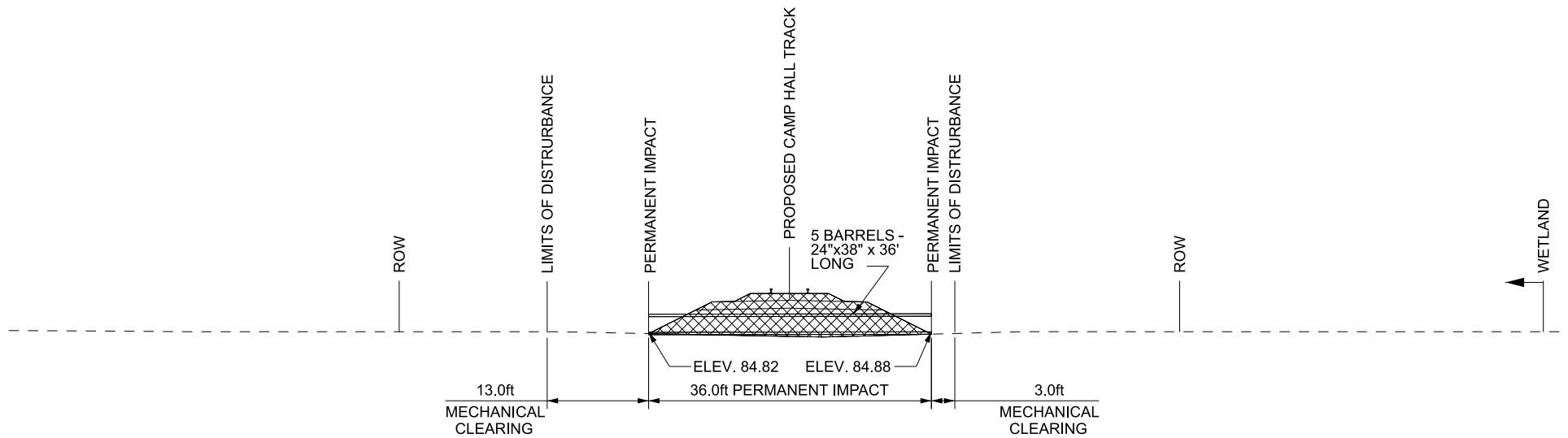
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

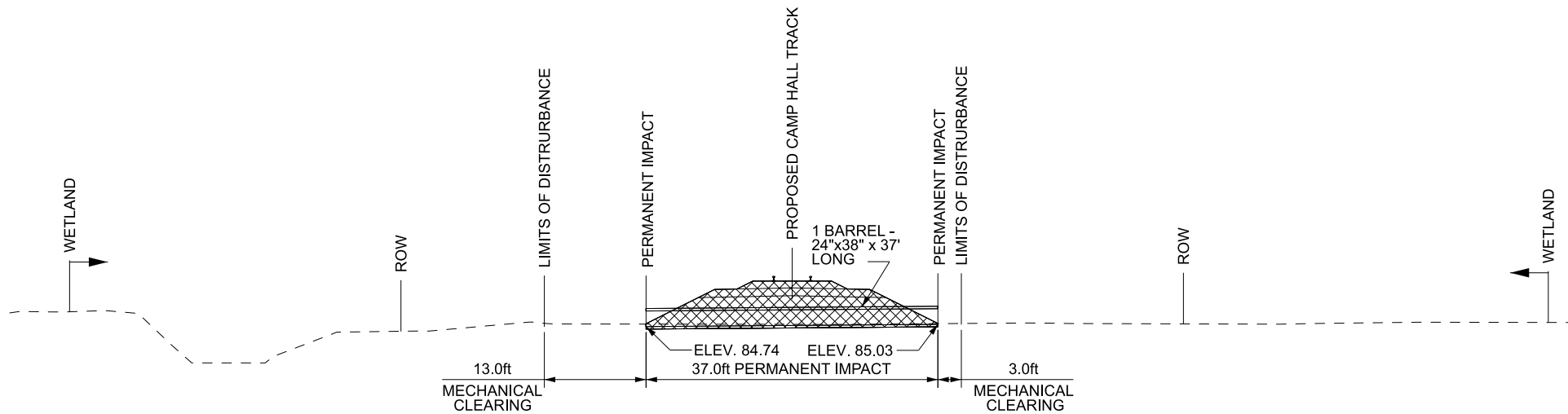
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 84 OF 106





SECTION BO - CULVERT CD-222  
STA. 637+21.00



SECTION BP - CULVERT CD-232  
STA. 663+32.00



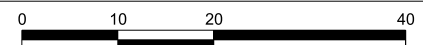
## CROSS SECTION SHEET 34 OF 39

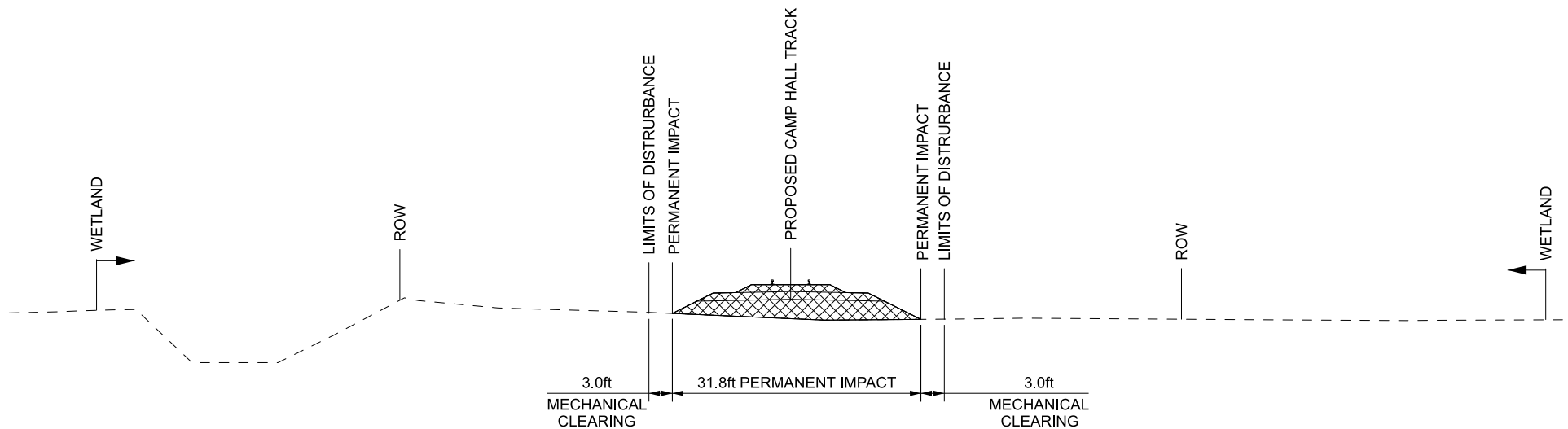
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

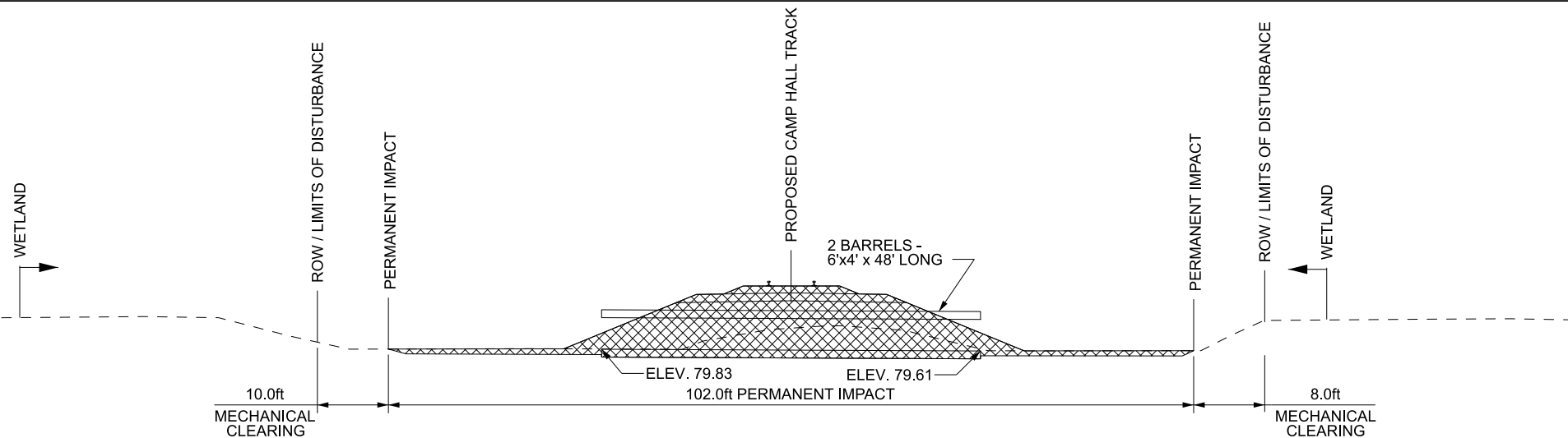
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 85 OF 106





SECTION BQ  
STA. 665+00



SECTION BR - CULVERT CD-236  
STA. 678+28.67



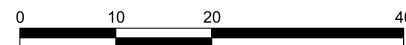
## CROSS SECTION SHEET 35 OF 39

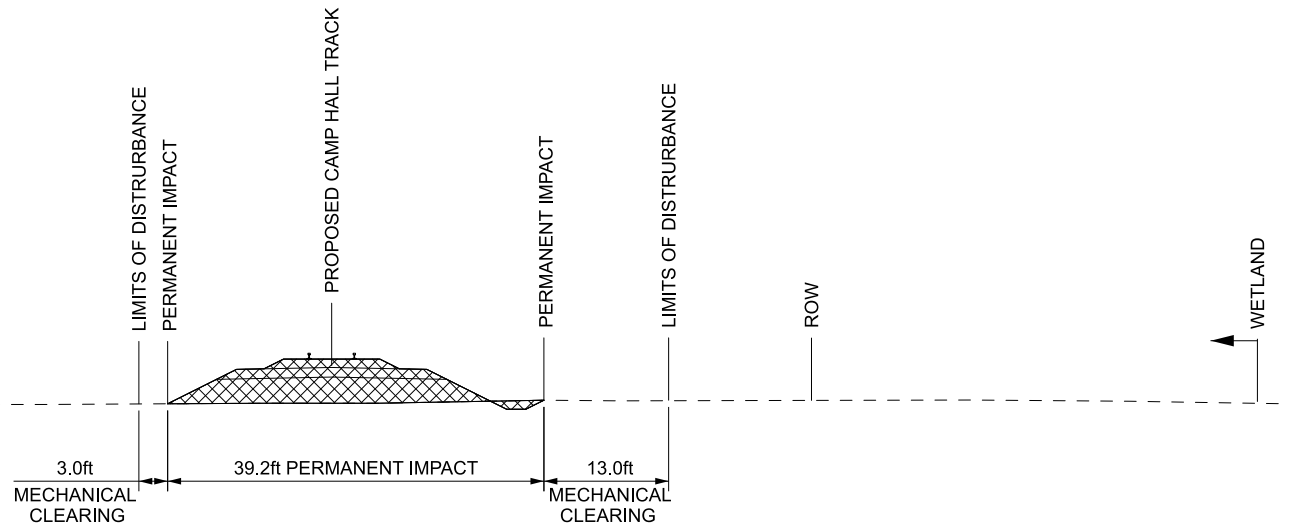
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

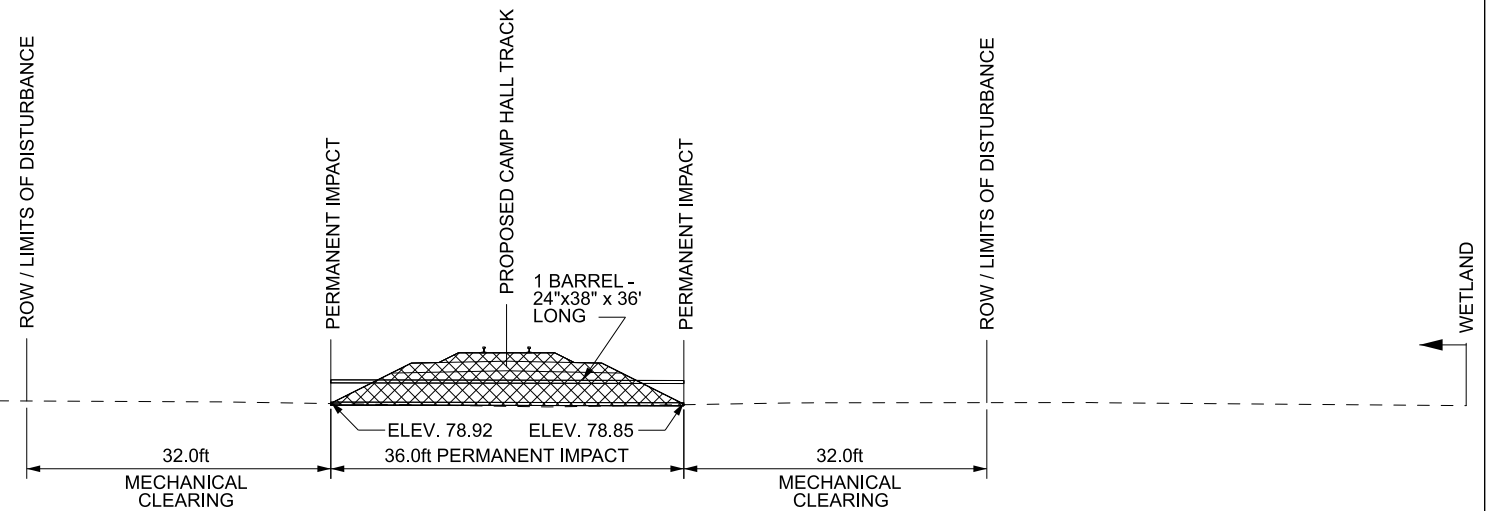
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 86 OF 106





SECTION BS  
STA. 685+00



SECTION BT - CULVERT CD-248E  
STA. 720+33.00



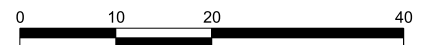
PERMITTEE: PALMETTO RAILWAYS

## CROSS SECTION SHEET 36 OF 39

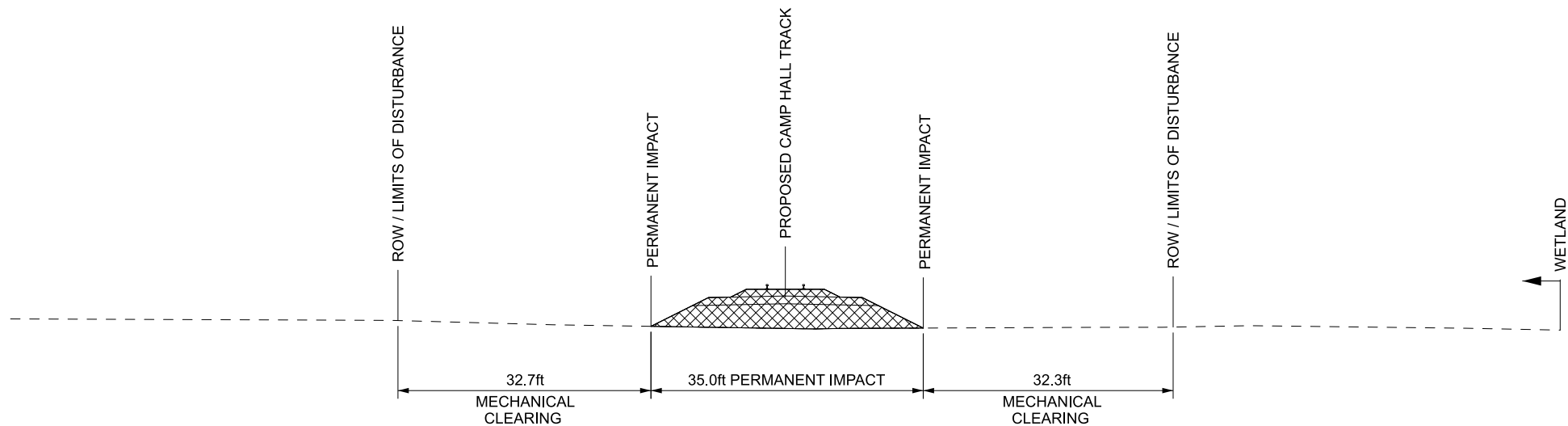
PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

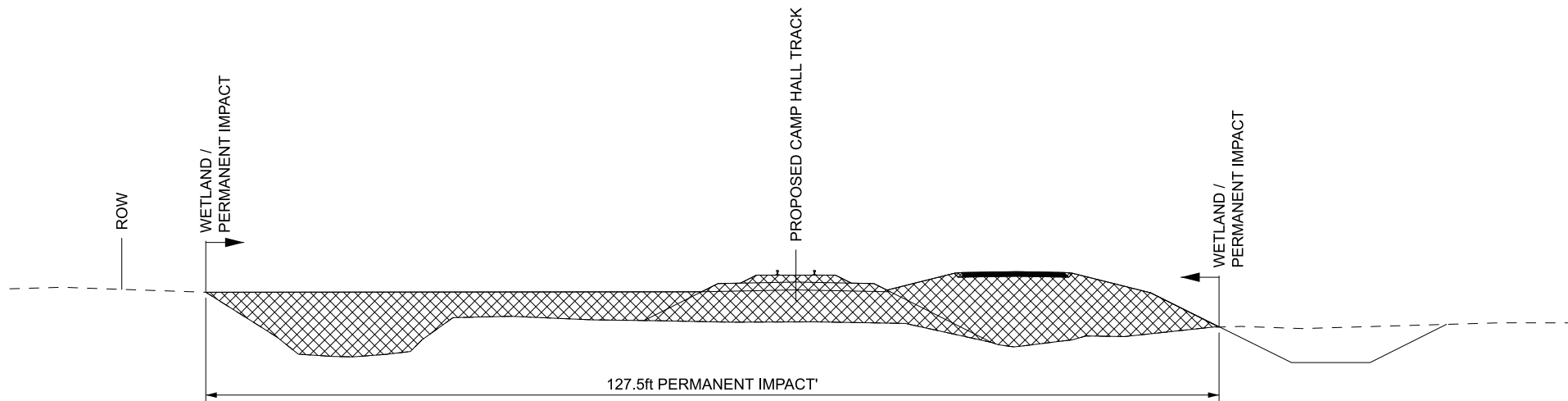
DATE: JANUARY 2024 SHEET 87 OF 106







SECTION BU  
STA. 721+00



SECTION BV  
STA. 723+00



PERMITTEE: PALMETTO RAILWAYS

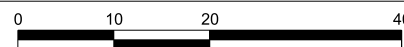


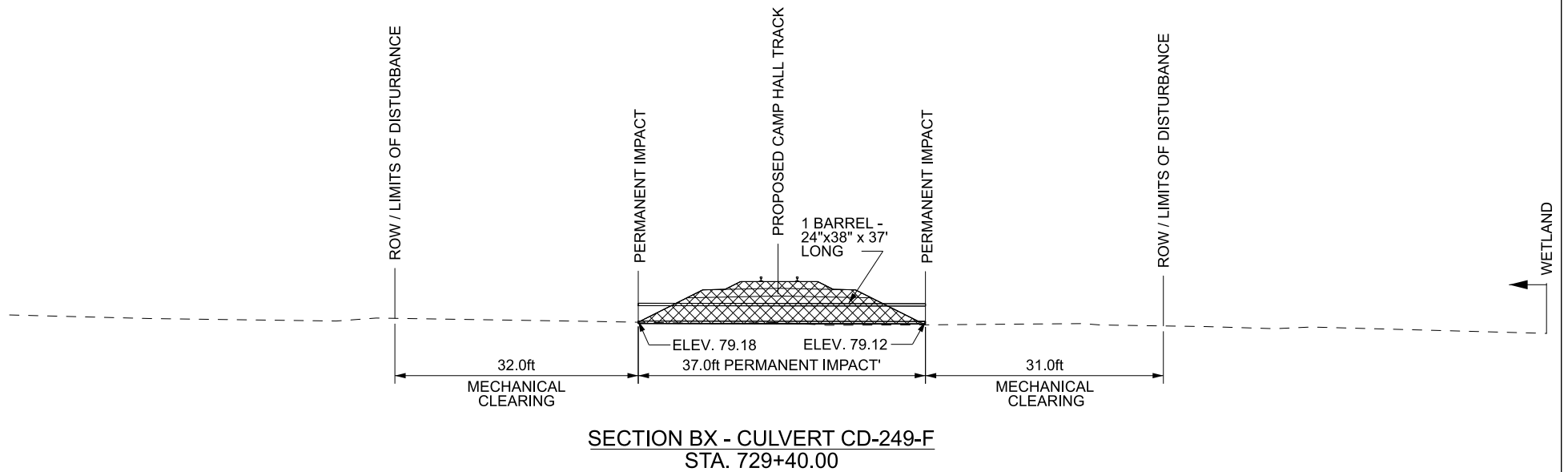
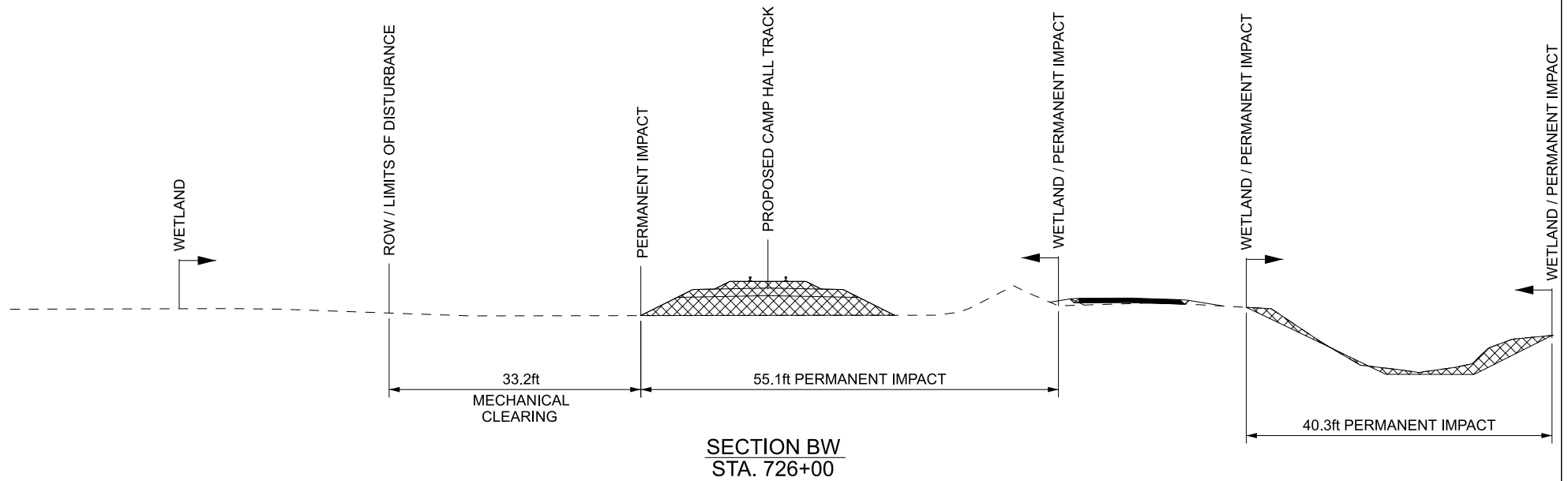
## CROSS SECTION SHEET 37 OF 39

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 88 OF 106





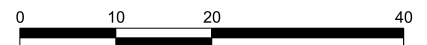
## CROSS SECTION SHEET 38 OF 39

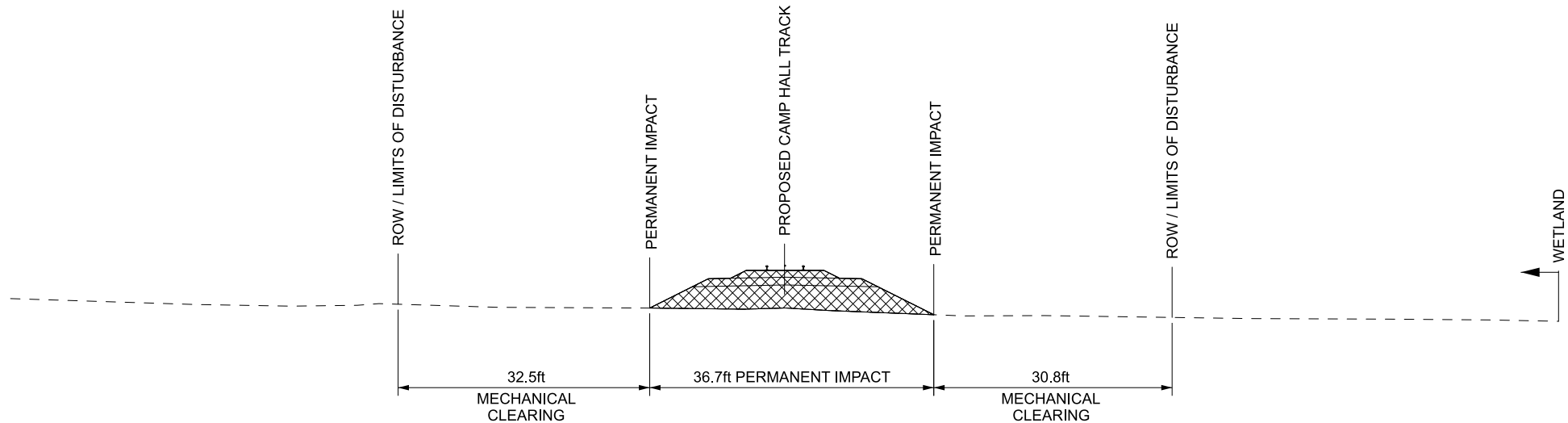
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

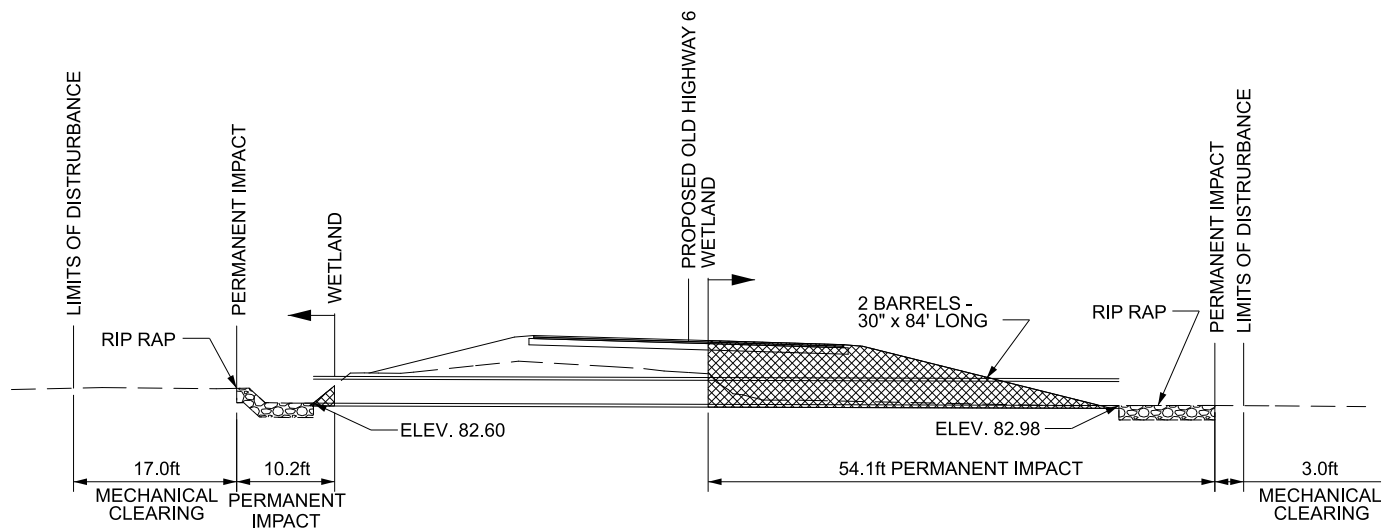
PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 89 OF 106





SECTION BY  
STA. 730+00



SECTION BZ  
STA. 422+00



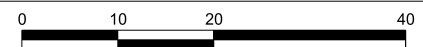
## CROSS SECTION SHEET 39 OF 39

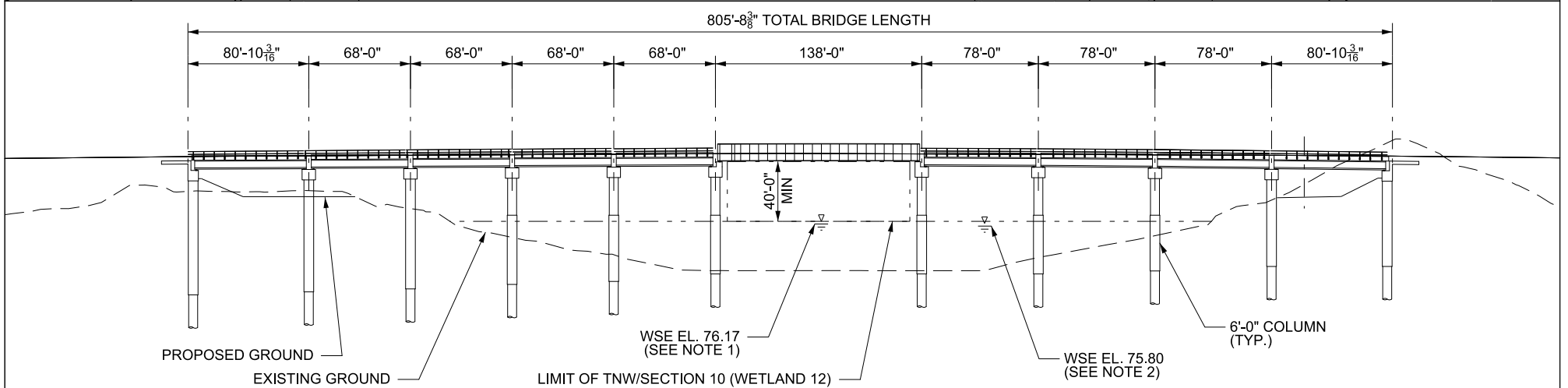
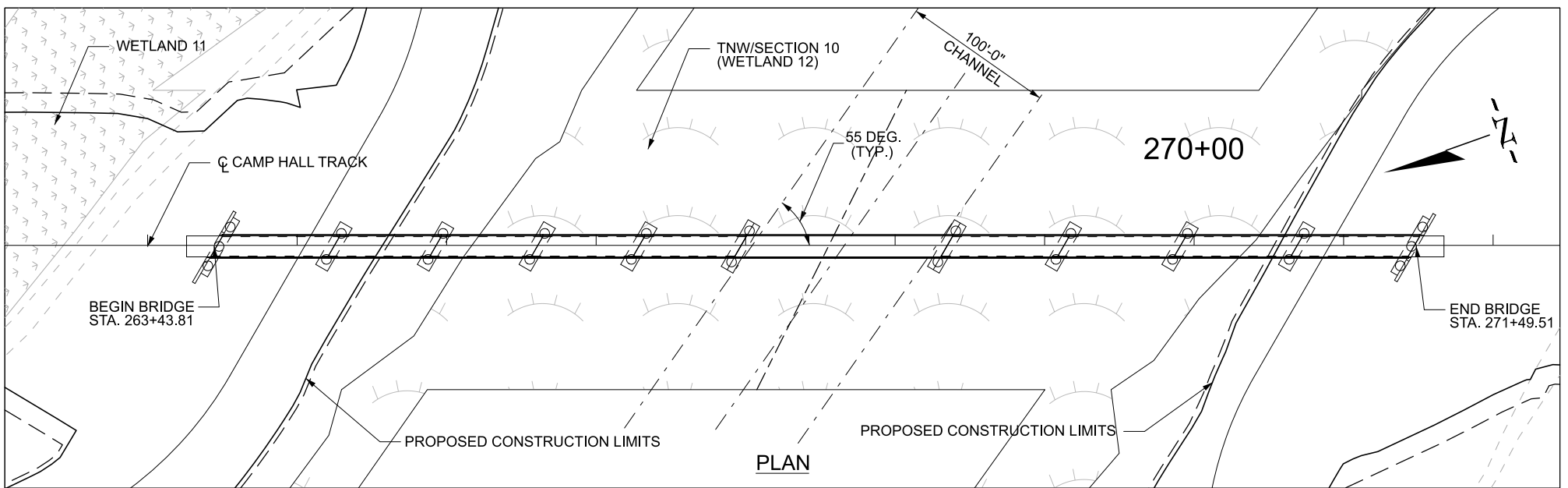
PERMITTEE: PALMETTO RAILWAYS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 90 OF 106





NOTES:

1. FULL POOL EL. PER SANTEE COOPER. (NAVD 88 DATUM)
2. 100-YEAR FEMA WSE

PROFILE

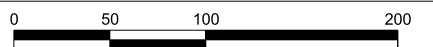


# BRIDGE OVER DIVERSION CANAL PLAN AND PROFILE

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

DATE: JANUARY 2024 SHEET 106 OF 106



PERMITTEE: PALMETTO RAILWAYS

## DEPARTMENT OF THE ARMY PERMIT

Permittee: **PALMETTO RAILWAYS**  
**C/O MR JEFF McWHORTER**

**540 EAST BAY STREET**  
**CHARLESTON, SC 29403**

Permit No: **SAC-2016-01395**

Issuing Office: **CHARLESTON DISTRICT**

**NOTE:** The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

### **Project Description:**

The permitted work in waters of the United States consists of constructing an industrial rail line, connecting the CSXT Cross Subdivision near the Santee Cooper Cross Generating Station and the Camp Hall Commerce Park. The proposed project corridor is approximately 22.7 miles long, varying in width. The corridor will travel south and west, crossing the Diversion Canal between Lakes Marion and Moultrie, through the unincorporated community of Cross, splitting and ending with two tracks (Camp Hall Track and the Volvo Lead Track) on the Camp Hall Commerce Park site. The proposed rail line will service the new Volvo Cars manufacturing facility, as well as future development within the Camp Hall Commerce Park. All work to be completed in accordance with attached drawings titled "SAC-2016-01395 Camp Hall Rail PERMITTED PLANS", pages 1 – 5, 7 – 21, 23 – 62, and 64 – 109, dated March 2018, and pages 6, 22, and 63, dated July 2018, provided by Palmetto Railways.

### **Project Location:**

The permitted 22.7 miles long rail line will connect the CSXT Cross Subdivision near the Santee Cooper Cross Generating Station to the Camp Hall Commerce Park. The corridor will travel south and west, crossing the Diversion Canal between Lakes Marion and Moultrie, through the unincorporated community of Cross, splitting and ending with two tracks (Camp Hall Track and the Volvo Lead Track) on the Camp Hall Commerce Park site in Berkeley County, South Carolina (Begin: Latitude: 33.40422 °N, Longitude: 80.09814 °W; End Camp Hall Track: Latitude: 33.14241 °N, Longitude: 80.25723 °W, End Volvo Lead Track: Latitude: 33.14160 °N, Longitude: 80.23976 °W).

### **General Permit Conditions:**

1. The time limit for completing the work authorized ends on **June 30, 2024**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition

4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

#### **Special Permit Conditions:**

See Appendix A, pages 5 - 7

#### **Further information:**

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

☐ Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403)

☒ Section 404 of the Clean Water Act (33 USC 1344)

☐ Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 USC 1413)

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, State or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.



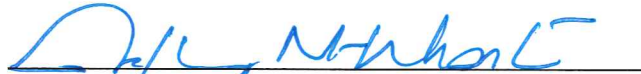
- d. This permit does not authorize interference with any existing or proposed Federal project.
3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume liability for:
- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
  - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
  - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
  - d. Design or construction deficiencies associated with the permitted work.
  - e. Damage claims associated with any future modification, suspension, or revocation of this permit.
4. Reliance on Applicant's Data. The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.
5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:
- a. You fail to comply with the terms and conditions of this permit.
  - b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).
  - c. Significant new information surfaces which this office did not consider in reaching the original public interest decision

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.



Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.



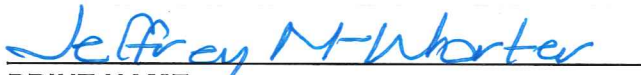
(PERMITTEE SIGNATURE)

PALMETTO RAILWAYS

C/O MR JEFF McWHORTER



(DATE)



PRINT NAME

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(DISTRICT ENGINEER)

JEFFREY S. PALAZZINI, LTC

or his Designee

Travis G. Hughes

Chief, Regulatory Division



(DATE)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

\_\_\_\_\_  
(TRANSFeree) (PRINT NAME)

\_\_\_\_\_  
(DATE)

**APPENDIX A**  
**SPECIAL CONDITIONS FOR PERMIT SAC 2016-01395**

1. The permittee agrees to provide all contractors associated with construction of the authorized activity a copy of the permit and drawings. A copy of the permit must be available at the construction site at all times.
2. The permittee shall submit a signed compliance certification to the Corps within 60 days following completion of the authorized work and any required mitigation. The certification will include:
  - a. A copy of this permit.
  - b. A statement that the authorized work was done in accordance with the Corps authorization, including any general or specific conditions.
  - c. A statement that any required mitigation was completed in accordance with the permit conditions.
  - d. The signature of the permittee certifying the completion of the work and mitigation.
3. The permittee agrees that the drainage/conveyance system shall be designed by a licensed Professional Engineer (PE) and constructed by the permittee (or his designated assignee) to provide for the proper drainage of surface water of the drainage area of which it is a part, to permit the flow of natural or manmade watercourses, and to maintain positive drainage for adjacent properties. In addition, the drainage/ conveyance system shall be sufficient to prevent any appreciable increase in water surface elevations or expansion/increases of the flood hazard area.
4. The permittee acknowledges that this DA permit authorizes impacts to waters of the United States that were previously protected by Corps-approved restrictive covenants associated with SAC 2015-1764 (Camp Hall Commerce Park). Prior to the commencement of authorized work, the permittee shall work with Santee Cooper to amend the restrictive covenants' protections over wetlands 105/108, 103, and 189 to reflect an unencumbered rail corridor for the work authorized by this Permit and the associated Permitted Plans.
5. In order to ensure protection of any threatened or endangered species that may be present in the project area during construction activities, the permittee will comply with the following:
  - a) The permittee shall instruct all personnel associated with the project of the potential presence of and the need to avoid collisions with protected species, which include Atlantic sturgeon and shortnose sturgeon.
  - b) The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing protected species which are protected under the Endangered Species Act of 1973.
  - c) Any siltation barriers used during the project shall be made of material in which protected species cannot become entangled and must be properly secured, and regularly monitored to avoid protected species entrapment.

- d) All vessels associated with the project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- e) If protected species are seen within 100 yards of the active construction area all appropriate precautions shall be implemented to ensure protection of the protected species. These precautions shall include the operation of all moving equipment no closer than 50 feet to a protected species. Operation of any equipment closer than 50 feet to a protected species shall necessitate immediate shutdown of that equipment. Activities will not resume until the protected species has departed the project area of its own volition.
- f) The permittee agrees to install pilings utilizing augured drilled shaft foundations during construction of the bridge over the Diversion Canal. An impact hammer will not be used to install pilings in the Diversion Canal
- g) The permittee shall require that its contractors avoid in-water work in the Diversion Canal between January and June 15, to the maximum extent practicable, to avoid periods of anadromous fish migration and spawning.
- h) Incidents where any individuals of Atlantic sturgeon and/or shortnose sturgeon listed by NOAA Fisheries under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the United States or structures or work in navigable waters of the United States authorized by this DA permit shall be reported to NOAA Fisheries, Office of Protected Species at (727) 824-5312, and the Regulatory Office of the Charleston District of the U.S. Army Corps of Engineers at (843) 329-8044. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible, take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed by discharge exposure, or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries, Office of Protected Resources, to collect specimens or take other measures to ensure that evidence intrinsic to the specimen is preserved.

6. The permittee recognizes that their commitment to perform and implement the following conditions was a deciding factor in the favorable and timely decision on this permit and recognizes that a failure on their part to both actively pursue and implement these conditions may be grounds for modification, suspension or revocation of this Department of the Army authorization.

- a. As compensatory mitigation for impacts to aquatic resources, the permittee agrees to purchase a total of 80 credits from the Swallow Savannah Wetland Mitigation Bank. At least one half of the required credits [40 credits] must be restoration/non-buffer enhancement credits. In addition, no more than one half of the required mitigation credits [40 credits] may be preservation credits.



- b. The permittee must submit evidence of the purchase or debit of the required mitigation credits to both the Corps of Engineers and DHEC prior to commencement of the authorized work. Your responsibility to complete the required compensatory mitigation as set forth in Special Condition 6 will not be considered fulfilled until you have received written verification from the U.S. Army Corps of Engineers.
- c. As compensatory mitigation for the impacts to aquatic resources in the Cooper River Watershed, the permittee shall preserve 524 acres of wetlands, enhance 371 acres of wetlands, and enhance and preserve 465 acres of upland buffers, as described in the Permittee-Responsible Mitigation Plan, entitled, "FAIRLAWN C-1 FINAL PERMITTEE-RESPONSIBLE MITIGATION PLAN BERKELEY AND CHARLESTON COUNTIED, SOUTH CAROLINA" prepared by the Palustrine Group and dated November 12, 2018. Initial preservation shall be by means of Corps-approved restrictive covenants. The restrictive covenants and surveyed plat of the mitigation area must be submitted to the District Engineer or his designee for review and approval prior to execution.
- d. The permittee must submit evidence of the execution and recording of the restrictive covenants and surveyed plat of the mitigation area to both the Corps of Engineers and DHEC prior to commencement of the authorized work. Your responsibility to complete the required compensatory mitigation as set forth in this special condition will not be considered fulfilled until you have demonstrated mitigation success and have received written verification from the U.S. Army Corps of Engineers.
- e. The permittee understands and agrees that they are responsible for gathering and submitting sufficient information to the Corps of Engineers to document that the aquatic resources on the 1,382 acre mitigation site are developing as expected and meeting the approved performance standards.
- f. The permittee agrees that following implementation of the mitigation activities and documentation of project success, the mitigation site shall be transferred to the USFS. The permittee must submit evidence to the Corps of the transfer of the 1,382 acre mitigation site to the USFS within 30 days of the transfer.



March 6, 2019

Palmetto Railways  
540 E Bay St  
Charleston SC 29403

Re: Certification in Accordance with Section 401 of the Clean Water Act, as amended,  
with conditions pursuant to R. 19-450 et. seq., 1976 SC Code of Laws,  
*Permits for Construction in Navigable Waters*  
Certification in Accordance with the Coastal Zone Management  
Program (48-39-10 et. seq., and 15 CFR 93)

Palmetto Railways  
Discharge fill material into waters of the US including wetlands  
Bulltown Ditch, the Diversion Canal (between Lake Marion & Lake Moultrie) and tributaries  
to Canton Creek and Black Creek  
Berkeley County  
P/N SAC 2016-1395

Dear Sir or Madam:

South Carolina Department of Health & Environmental Control (DHEC) has reviewed plans for this project and determined that there is a reasonable assurance that the proposed project will be conducted in a manner consistent with the Certification requirements of Section 401 of the Federal Clean Water Act, as amended, the Coastal Zone Management Program (48-39-10 et. seq., and 15 CFR 93) and the permitting requirements of R. 19-450 et. seq., 1976 SC Code of Laws.

In accordance with the provisions of Section 401, we certify that this project, subject to the indicated conditions, is consistent with applicable provisions of Section 303 of the Federal Clean Water Act, as amended. We also hereby certify that there are no applicable effluent limitations under Sections 301(b) and 302, and that there are no applicable standards under Sections 306 and 307.

This certification is subject to the following conditions:

**401 Water Quality Certification conditions:**

1. The applicant must implement appropriate best management practices that will minimize erosion and migration of sediments on project site during and after construction. These practices should include the use of appropriate grading and sloping techniques, mulches, silt fences, or other appropriate devices.



2. Only clean earthen material free of all potential sources of pollution must be used as fill.
3. Appropriate containment measures must be taken to prevent pollutants such as gasoline, oil, tar and debris and other pollutants from entering the adjacent waters or wetlands.
4. where feasible, the Diversion Canal bridge must be constructed using mats, trestles, or barges (instead of barge canals or causeways), or such that access to the project site is attained from highland or from the portion of the bridge already completed ("end on end construction"). In addition, the bridge must be designed so that navigation will not be impeded.
5. Construction activities must not occur in the Diversion Canal between January and June 15, to the maximum extent practicable, to minimize migration and spawning impacts to diadromous fish species.
6. The staging area must be limited to 0.5 acres of anadromous fish habitat in the Diversion Canal and the area must be restored to pre-construction conditions following construction.
7. The applicant must compensate for unavoidable stream impacts by providing a minimum of 1,406 credits by purchasing 80 wetland mitigation credits from the Francis Beidler Forest Mitigation Bank, or other mitigation bank serving the project area, and generating the remaining required credits from the PRM Fairlawn C1 Parcel site within the Francis Marion National Forest, as proposed. Credit withdrawal documentation from an approved Mitigation Bank and restrictive covenants from the PRM site must be submitted to SCDHEC and the Corps of Engineers prior to the work beginning.

**Coastal Zone Consistency conditions:**

1. In the event that any historic or cultural resources and/or archaeological materials are found during the course of work, the applicants must notify the State Historic Preservation Office and the South Carolina Institute of Archaeology and Anthropology. Historic or cultural resources consist of those sites listed in the National Register of Historic Places and those sites that are eligible for the National Register. Archaeological materials consist of any items, fifty years old or older, which were made or used by man. These items include, but are not limited to, stone projectile points (arrowheads), ceramic sherds, bricks, worked wood, bone and stone, metal and glass objects, and human skeletal materials.
2. In-water work should be avoided between February 16 and June 15, to the maximum extent practicable, to avoid periods of anadromous fish migration and spawning.
3. Mitigation is performed as proposed under the Fairlawn C-1 Final Permittee-Responsible Mitigation Plan dated November 12, 2018.
4. Construction BMPs must be installed, inspected and maintained to hold sediment onsite and to protect any adjacent or downstream critical area, wetlands and waters through the life of the project. Upon completion of construction activities, all disturbed (includes undeveloped) areas, including those impacted for access, must be immediately stabilized.

DHEC reserves the right to impose additional conditions on this Certification to respond to unforeseen, specific problems that may arise and to take any enforcement action necessary to ensure compliance with State water quality standards.

Sincerely,

A handwritten signature in black ink, appearing to read "Heather Preston", with a long horizontal flourish extending to the right.

Heather Preston, Director  
Division of Water Quality  
Bureau of Water

cc: U.S. Army Corps of Engineers,  
Charleston District Office  
SC DHEC, Low Country-Berkeley County Environmental Affairs District Office  
OCRM





APPLICANT: PALMETTO RAILWAYS



# VICINITY MAP PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018

0 1 5 MILES 10



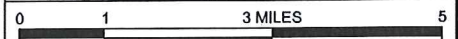


APPLICANT: PALMETTO RAILWAYS



**LOCATION MAP**  
**PERMITTED PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018



## PROJECT IMPACTS TO WATERS OF THE UNITED STATES

| IMPACTS                                           | JURISDICTIONAL WETLAND<br>(ACRES) | NON-WETLAND WATER<br>(LF) |
|---------------------------------------------------|-----------------------------------|---------------------------|
| PERMANENT WETLAND IMPACT<br>(CUT/FILL)            | 103.12                            | ----                      |
| MECHANICAL CLEARING<br>WETLAND IMPACT             | 16.89                             | ----                      |
| PERMANENT CULVERT IMPACT<br>NON-WETLAND WATER     | ----                              | ----                      |
| PERMANENT PIPE IMPACT<br>NON-WETLAND WATER        | ----                              | 315.20                    |
| PERMANENT MORPHOLOGIC IMPACT<br>NON-WETLAND WATER | ----                              | 222.00                    |
| TOTAL IMPACTS                                     | 120.01                            | 537.20                    |

PERMITTED  
PLANS



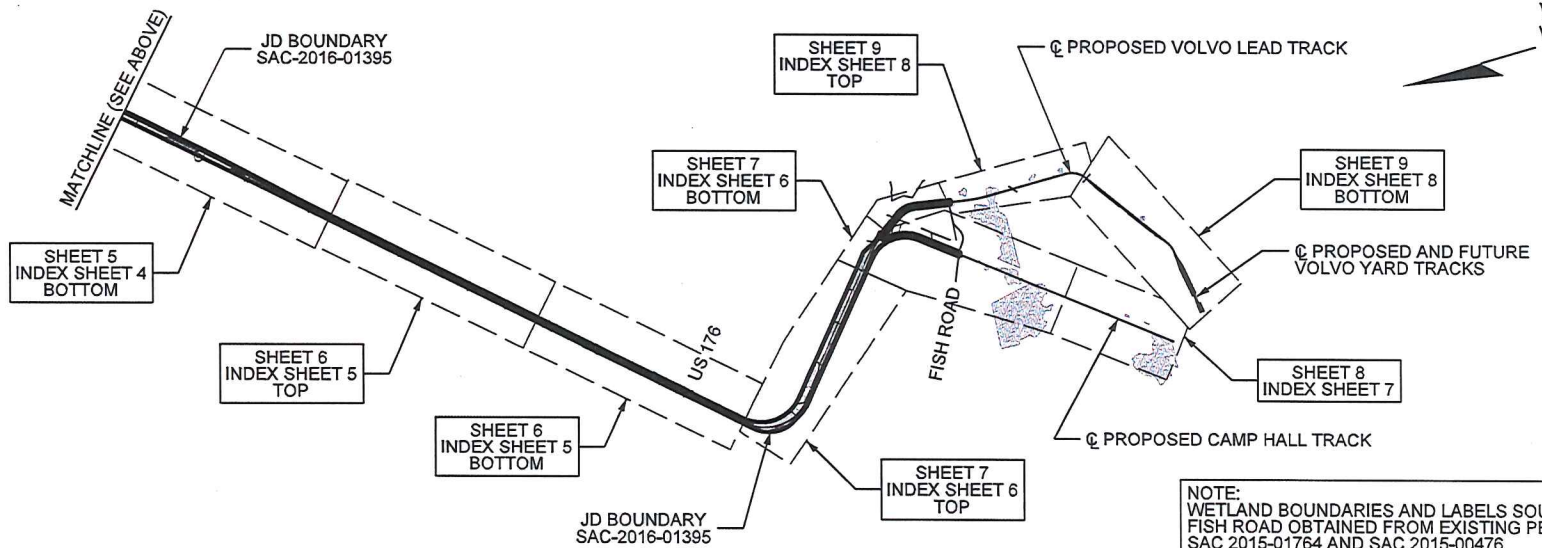
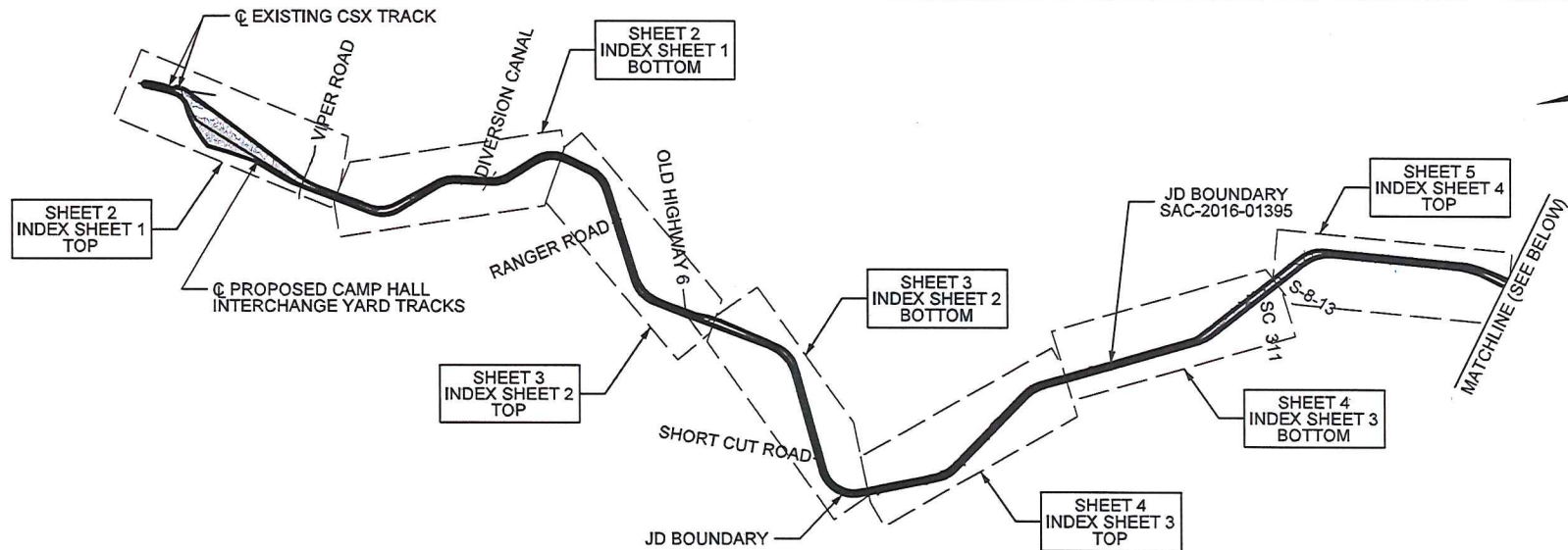
APPLICANT: PALMETTO RAILWAYS



### IMPACT SUMMARY

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018





NOTE:  
WETLAND BOUNDARIES AND LABELS SOUTH OF  
FISH ROAD OBTAINED FROM EXISTING PERMITS  
SAC 2015-01764 AND SAC 2015-00476.



APPLICANT: PALMETTO RAILWAYS



## PROJECT OVERVIEW

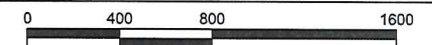
### PERMITTED PLANS

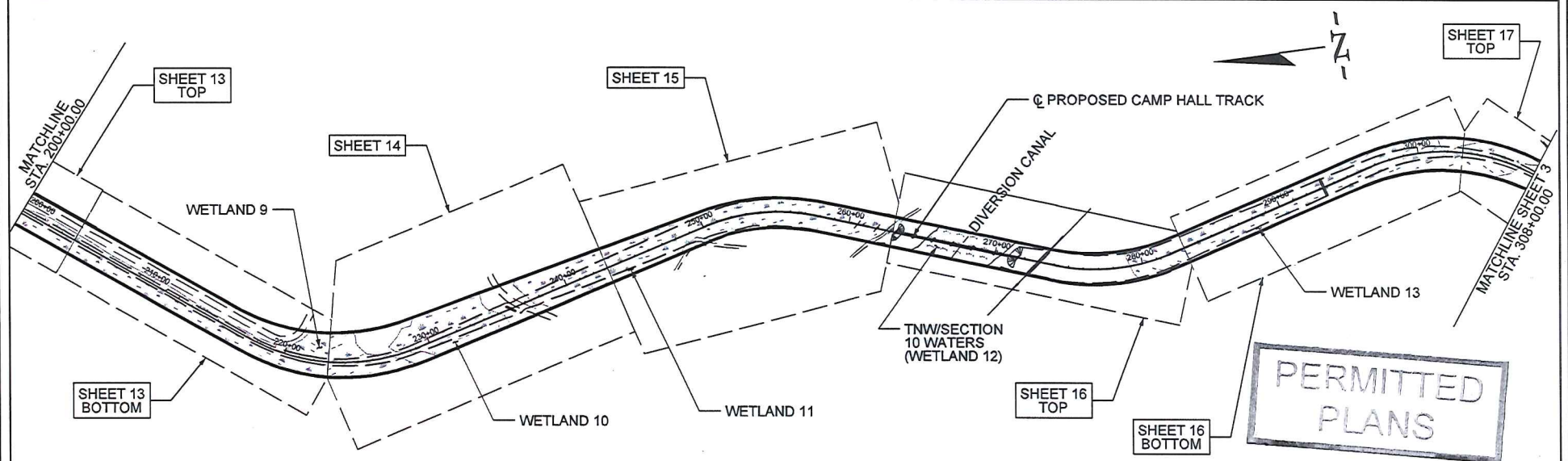
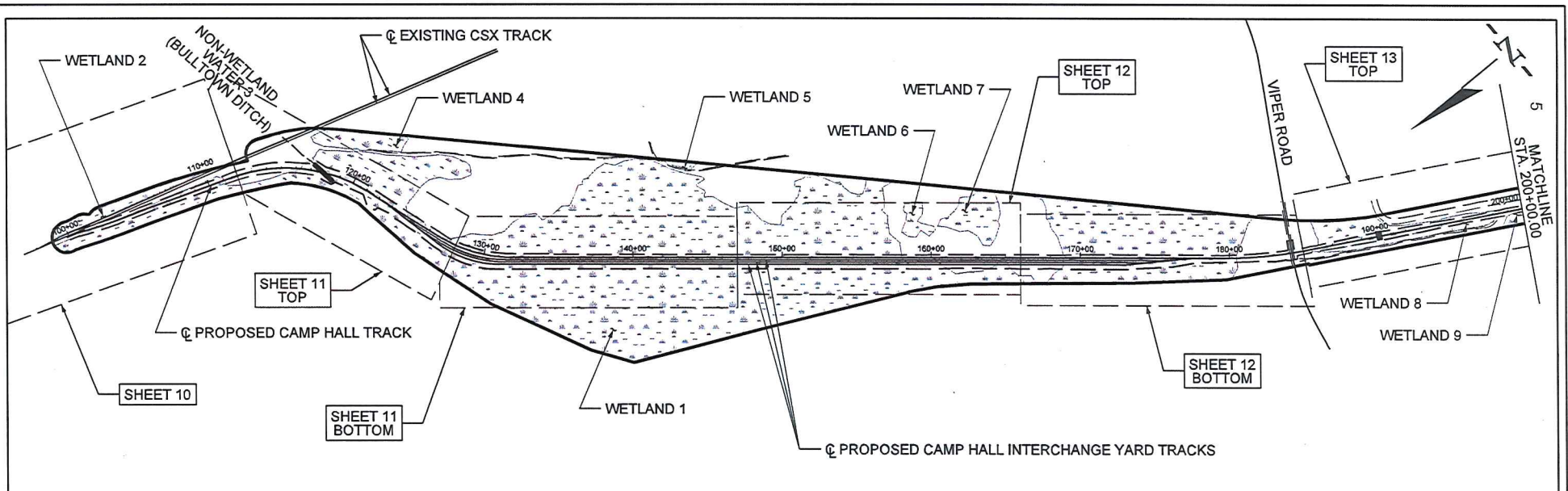
|  |                       |
|--|-----------------------|
|  | TNW/SECTION 10 WATERS |
|  | WETLANDS              |
|  | JD BOUNDARY           |
|  | EXISTING ROAD         |
|  | NON-WETLAND WATERS    |
|  | LIMITS OF DISTURBANCE |
|  | PROPOSED ROAD         |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 1 OF 106





APPLICANT: PALMETTO RAILWAYS



# INDEX SHEET 1 OF 8

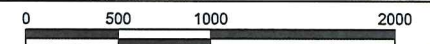
FROM STA. 100+00.00  
TO STA. 308+00.00

|  |                       |
|--|-----------------------|
|  | TNW/SECTION 10 WATERS |
|  | WETLANDS              |
|  | JD BOUNDARY           |
|  | EXISTING ROAD         |
|  | NON-WETLAND WATERS    |
|  | LIMITS OF DISTURBANCE |
|  | PROPOSED ROAD         |

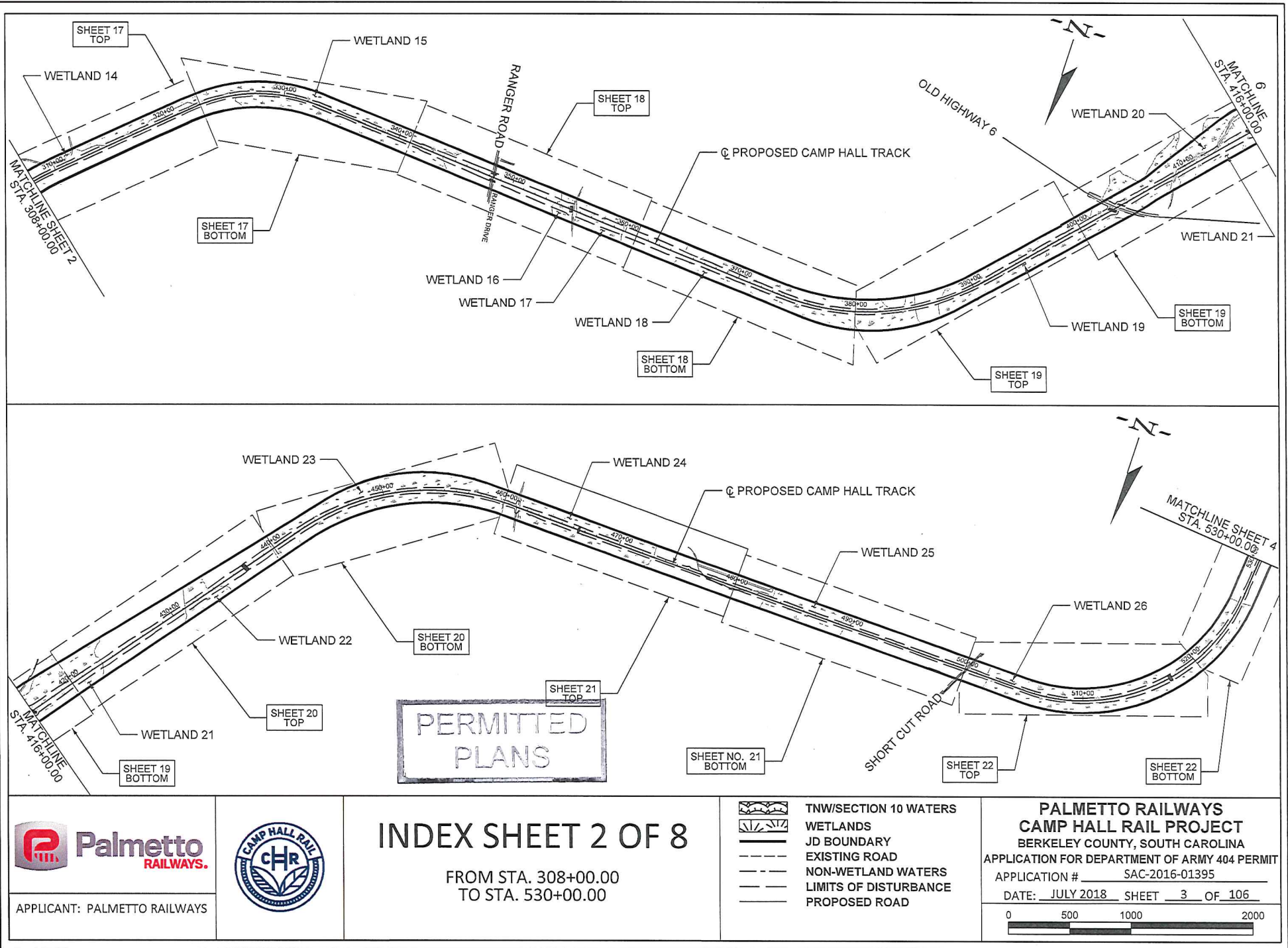
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

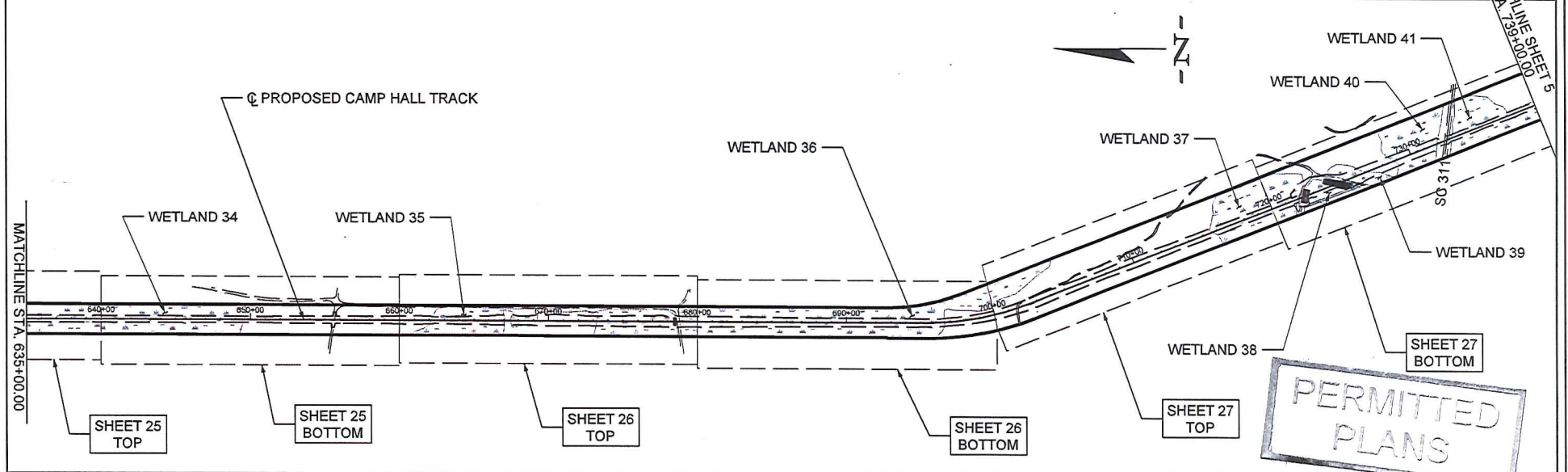
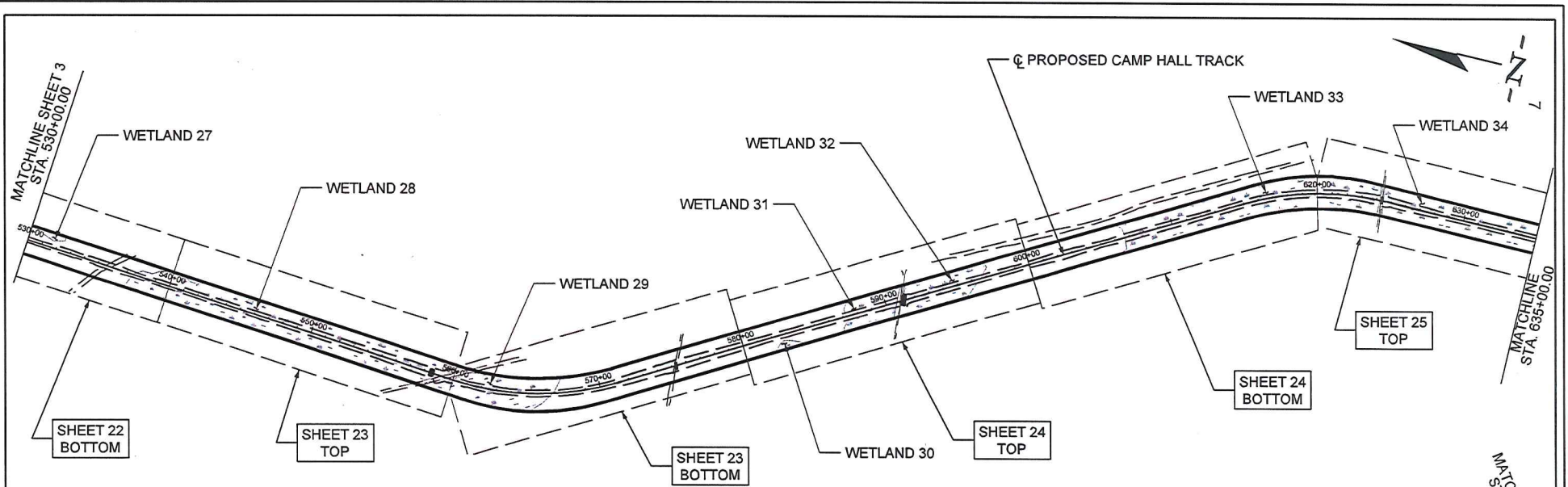
DATE: MARCH 2018 SHEET 2 OF 106











APPLICANT: PALMETTO RAILWAYS



# INDEX SHEET 3 OF 8

FROM STA. 530+00.00  
TO STA. 739+00.00

TNW/SECTION 10 WATERS  
 WETLANDS  
 JD BOUNDARY  
 EXISTING ROAD  
 NON-WETLAND WATERS  
 LIMITS OF DISTURBANCE  
 PROPOSED ROAD

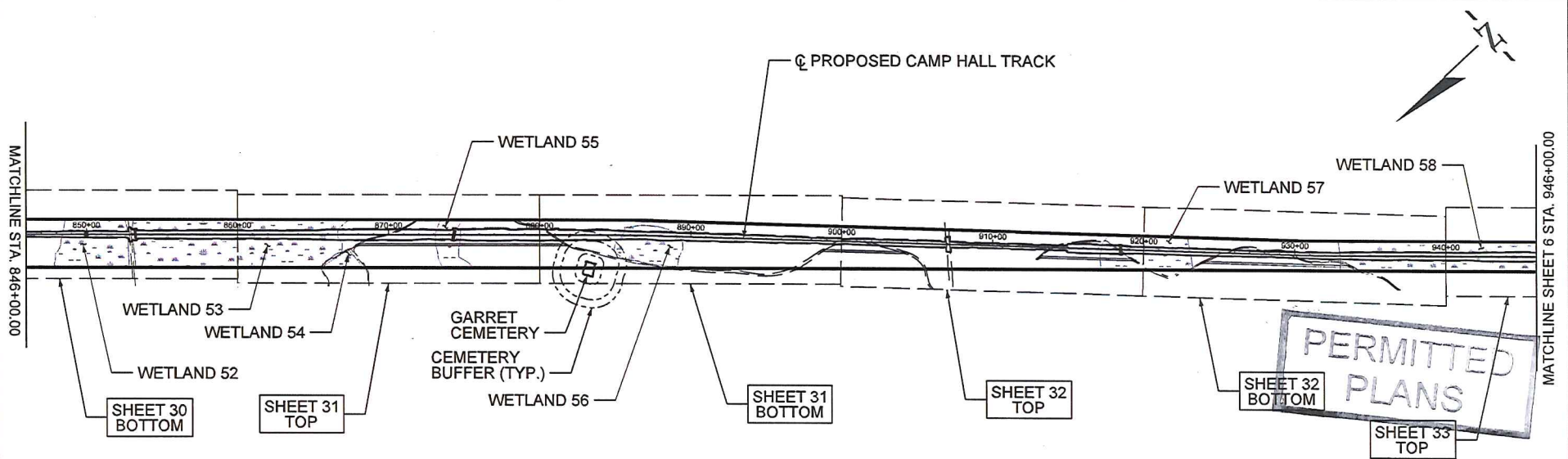
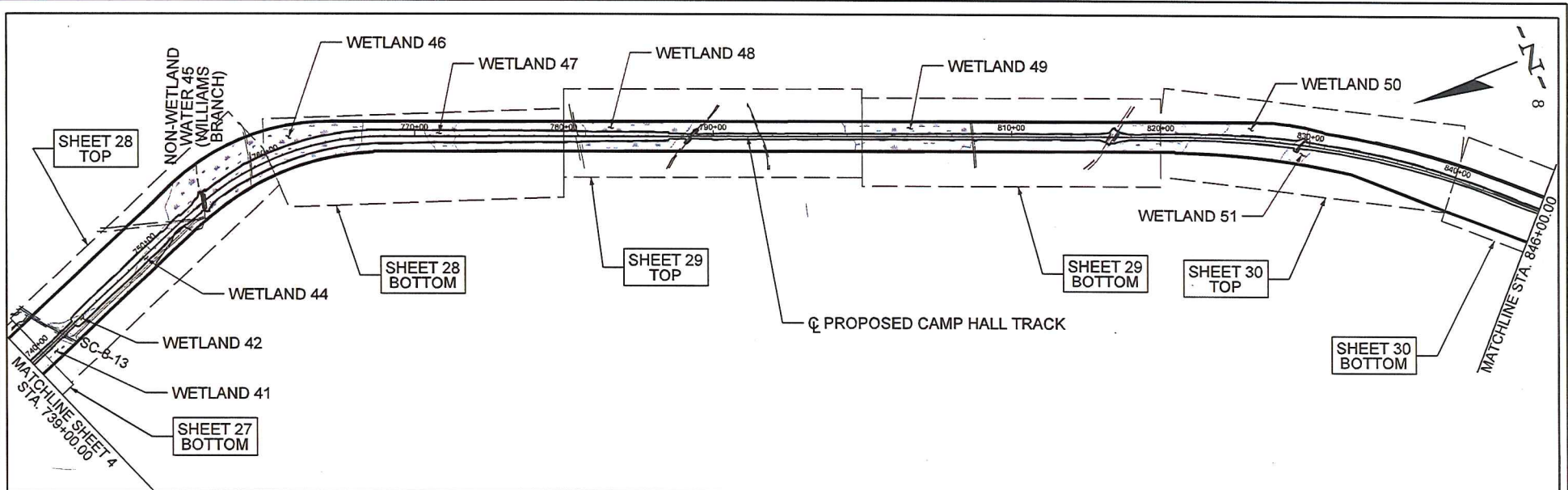
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 4 OF 106

0 500 1000 2000

PERMITTED  
PLANS



APPLICANT: PALMETTO RAILWAYS



# INDEX SHEET 4 OF 8

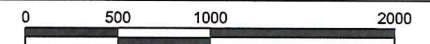
FROM STA. 739+00.00  
TO STA. 946+00.00

- TNW/SECTION 10 WATERS
- WETLANDS
- JD BOUNDARY
- EXISTING ROAD
- NON-WETLAND WATERS
- LIMITS OF DISTURBANCE
- PROPOSED ROAD

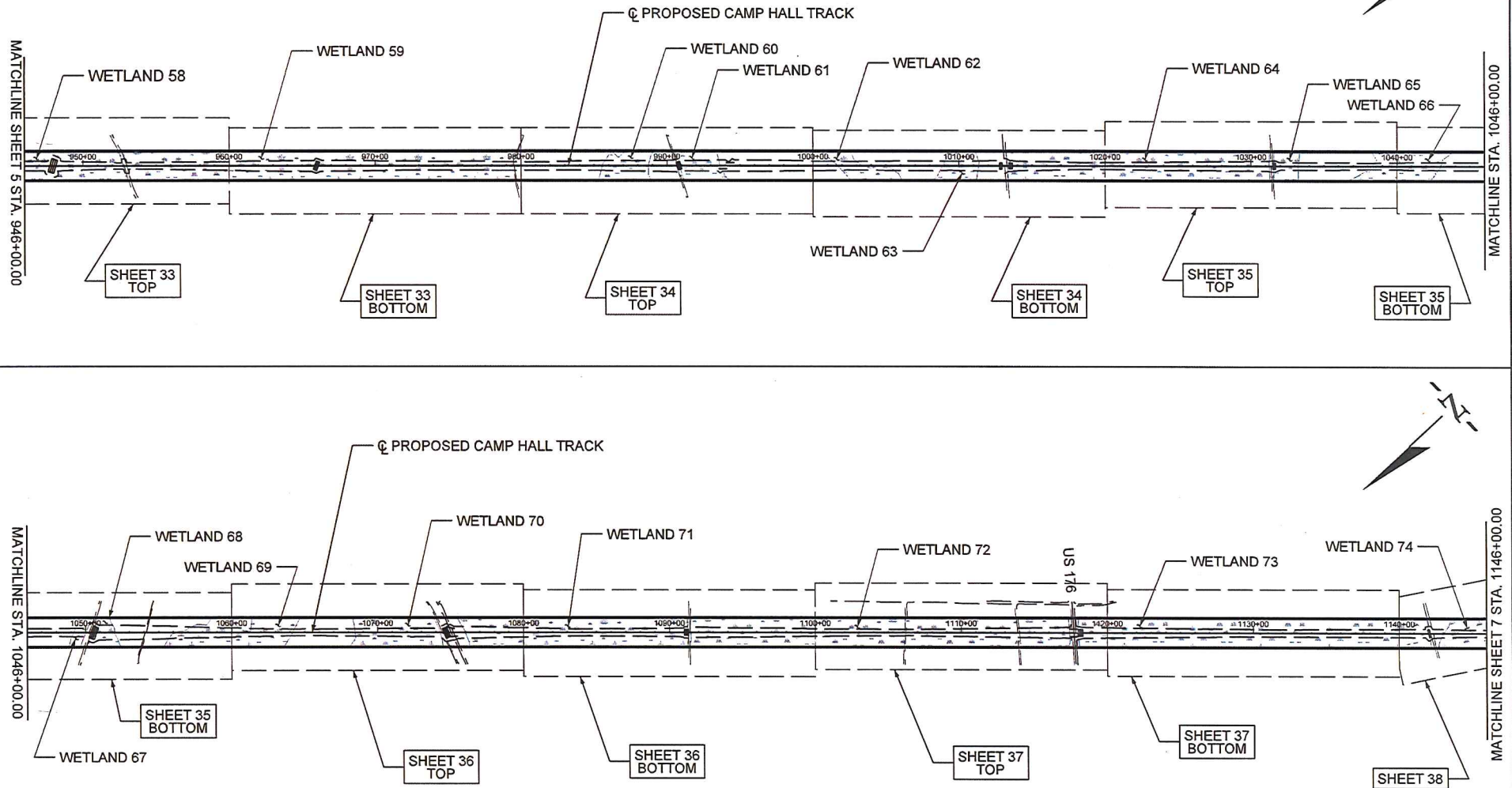
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 5 OF 106







APPLICANT: PALMETTO RAILWAYS



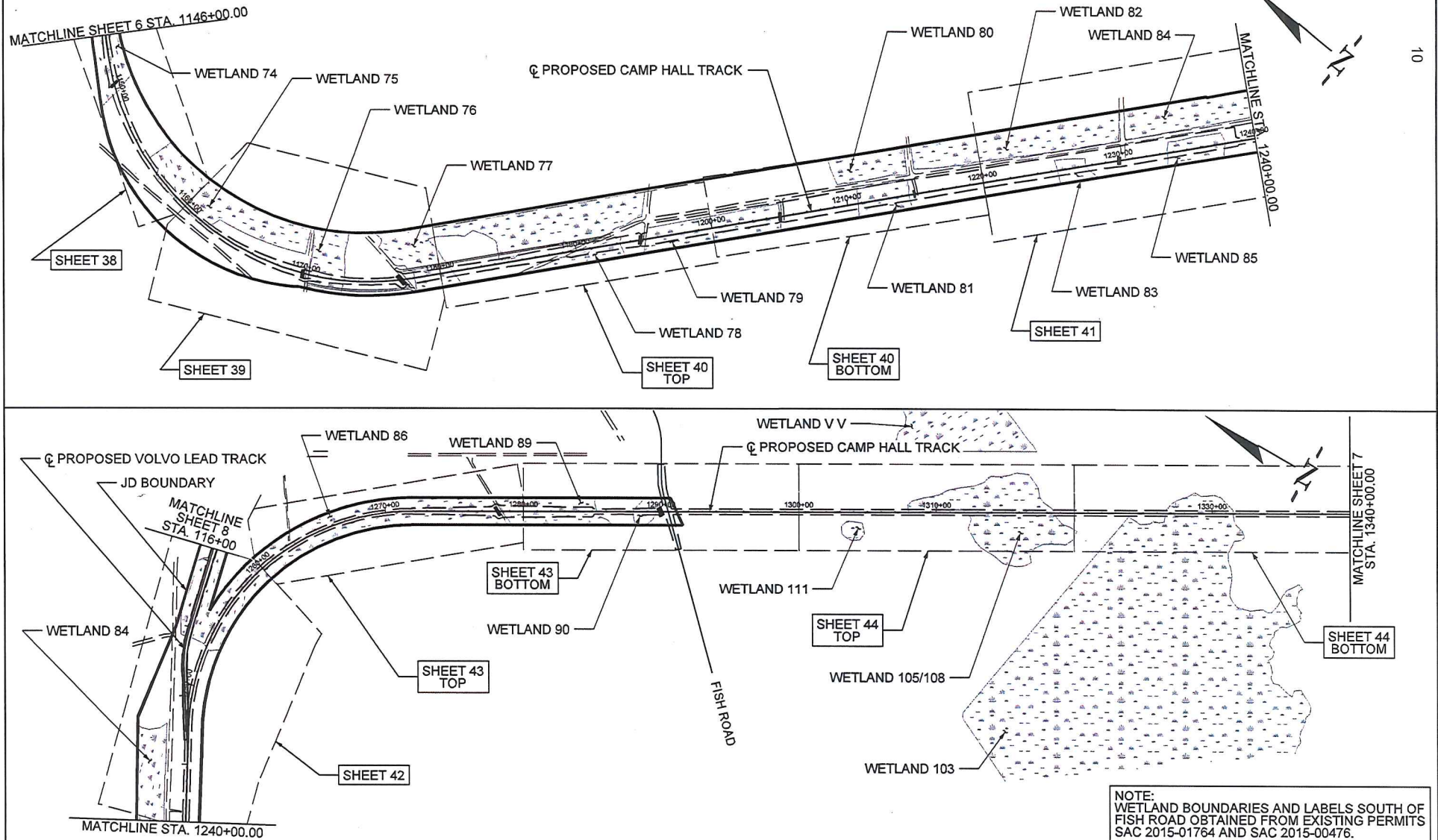
## INDEX SHEET 5 OF 8

FROM STA. 946+00.00  
TO STA. 1146+00.00PERMITTED  
PLANS

TNW/SECTION 10 WATERS  
 WETLANDS  
 JD BOUNDARY  
 EXISTING ROAD  
 NON-WETLAND WATERS  
 LIMITS OF DISTURBANCE  
 PROPOSED ROAD

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 6 OF 106

0 500 1000 2000



NOTE:  
WETLAND BOUNDARIES AND LABELS SOUTH OF  
FISH ROAD OBTAINED FROM EXISTING PERMITS  
SAC 2015-01764 AND SAC 2015-00476.



APPLICANT: PALMETTO RAILWAYS



## INDEX SHEET 6 OF 8

FROM STA. 1140+00.00  
TO STA. 1340+00.00

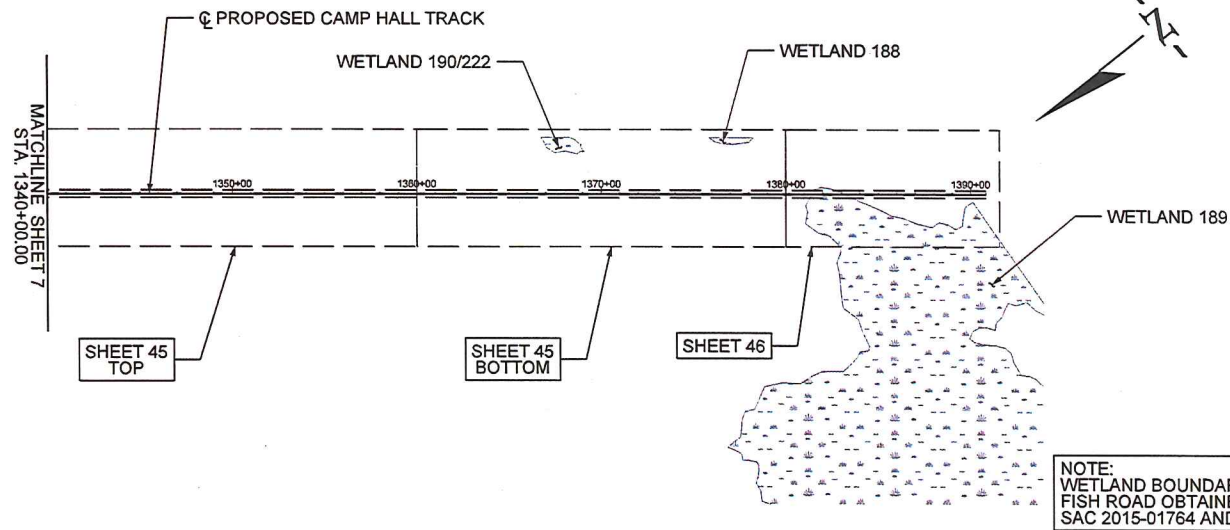
**PERMITTED  
PLANS**



TNW/SECTION 10 WATERS  
WETLANDS  
JD BOUNDARY  
EXISTING ROAD  
NON-WETLAND WATERS  
LIMITS OF DISTURBANCE  
PROPOSED ROAD

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 7 OF 106

0 500 1000 2000



APPLICANT: PALMETTO RAILWAYS



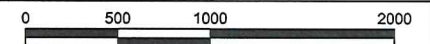
## INDEX SHEET 7 OF 8

FROM STA. 1340+00.00  
TO STA. 1390+82.04PERMITTED  
PLANS

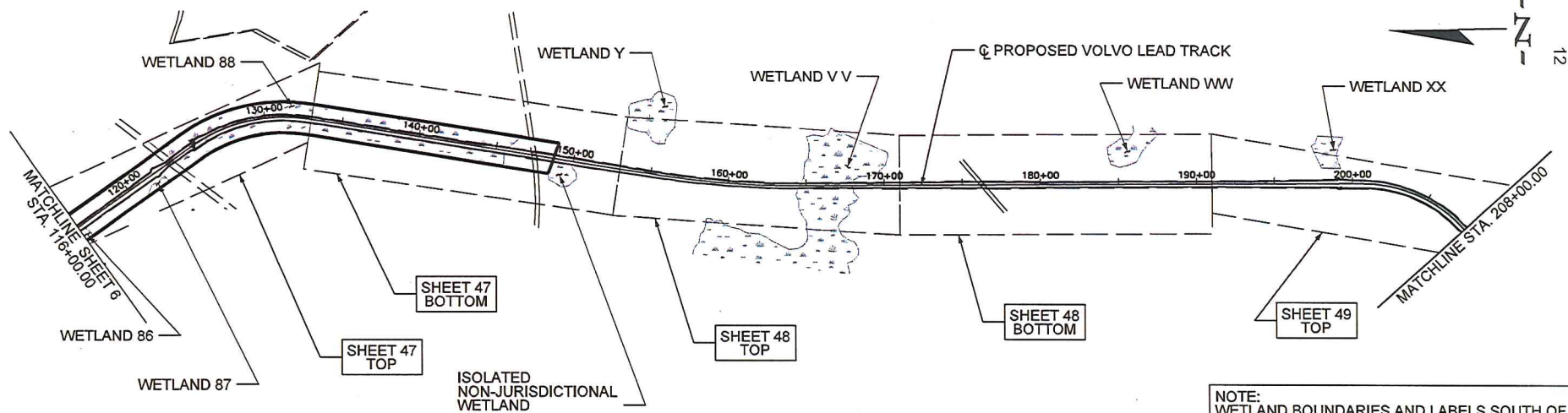
TNW/SECTION 10 WATERS  
 WETLANDS  
 JD BOUNDARY  
 EXISTING ROAD  
 NON-WETLAND WATERS  
 LIMITS OF DISTURBANCE  
 PROPOSED ROAD

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

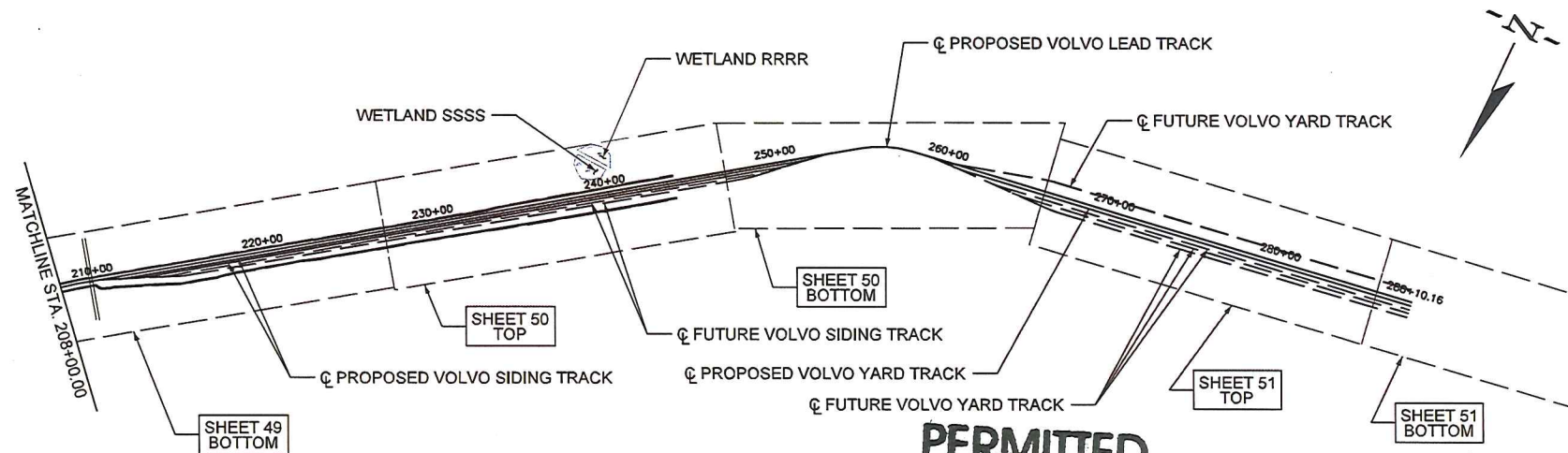
DATE: MARCH 2018 SHEET 8 OF 106







NOTE:  
WETLAND BOUNDARIES AND LABELS SOUTH OF  
FISH ROAD OBTAINED FROM EXISTING PERMITS  
SAC 2015-01764 AND SAC 2015-00476.



NOTE:  
WETLAND BOUNDARIES AND LABELS SOUTH OF  
FISH ROAD OBTAINED FROM EXISTING PERMITS  
SAC 2015-01764 AND SAC 2015-00476.



APPLICANT: PALMETTO RAILWAYS



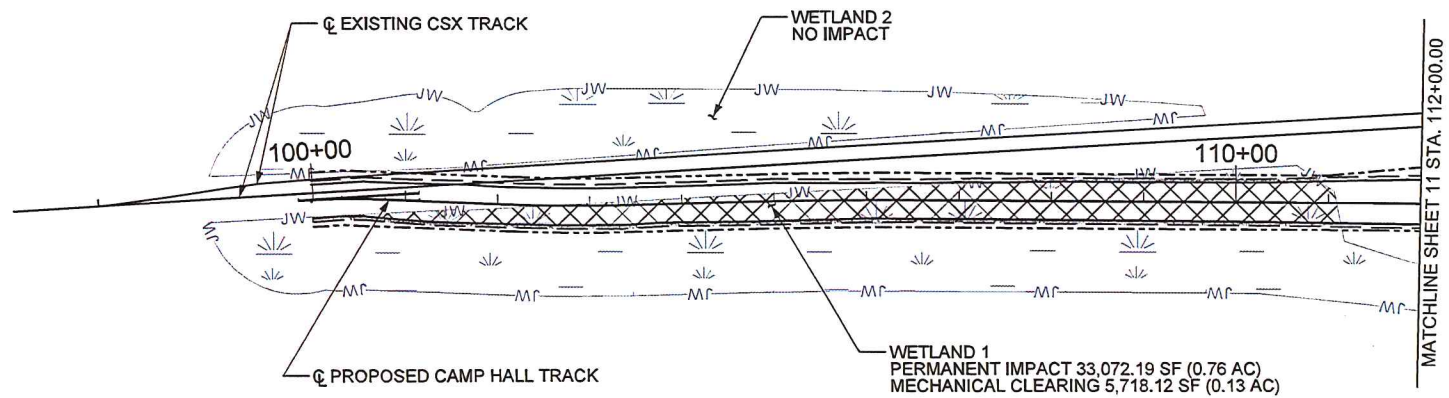
## INDEX SHEET 8 OF 8

FROM VOLVO LEAD STA. 116+00.00  
TO VOLVO LEAD STA. 288+10.16

|  |                       |
|--|-----------------------|
|  | TNW/SECTION 10 WATERS |
|  | WETLANDS              |
|  | JD BOUNDARY           |
|  | EXISTING ROAD         |
|  | NON-WETLAND WATERS    |
|  | LIMITS OF DISTURBANCE |
|  | PROPOSED ROAD         |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 9 OF 106





## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS



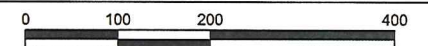
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 33,072.19        | 0.76        |
| MECHANICAL CLEARING WETLAND IMPACT         | 5,718.12         | 0.13        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>38,790.31</b> | <b>0.89</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

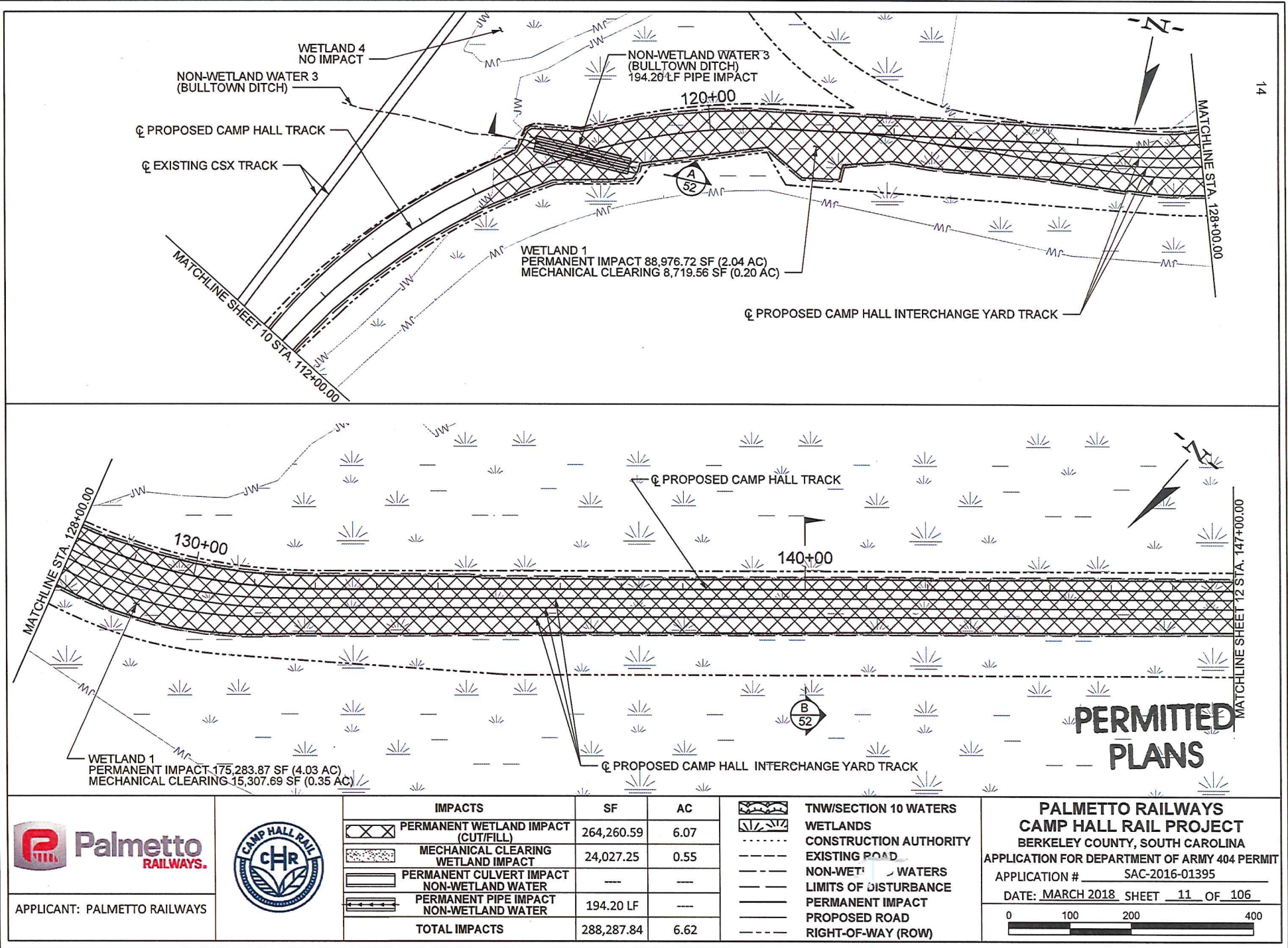
**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

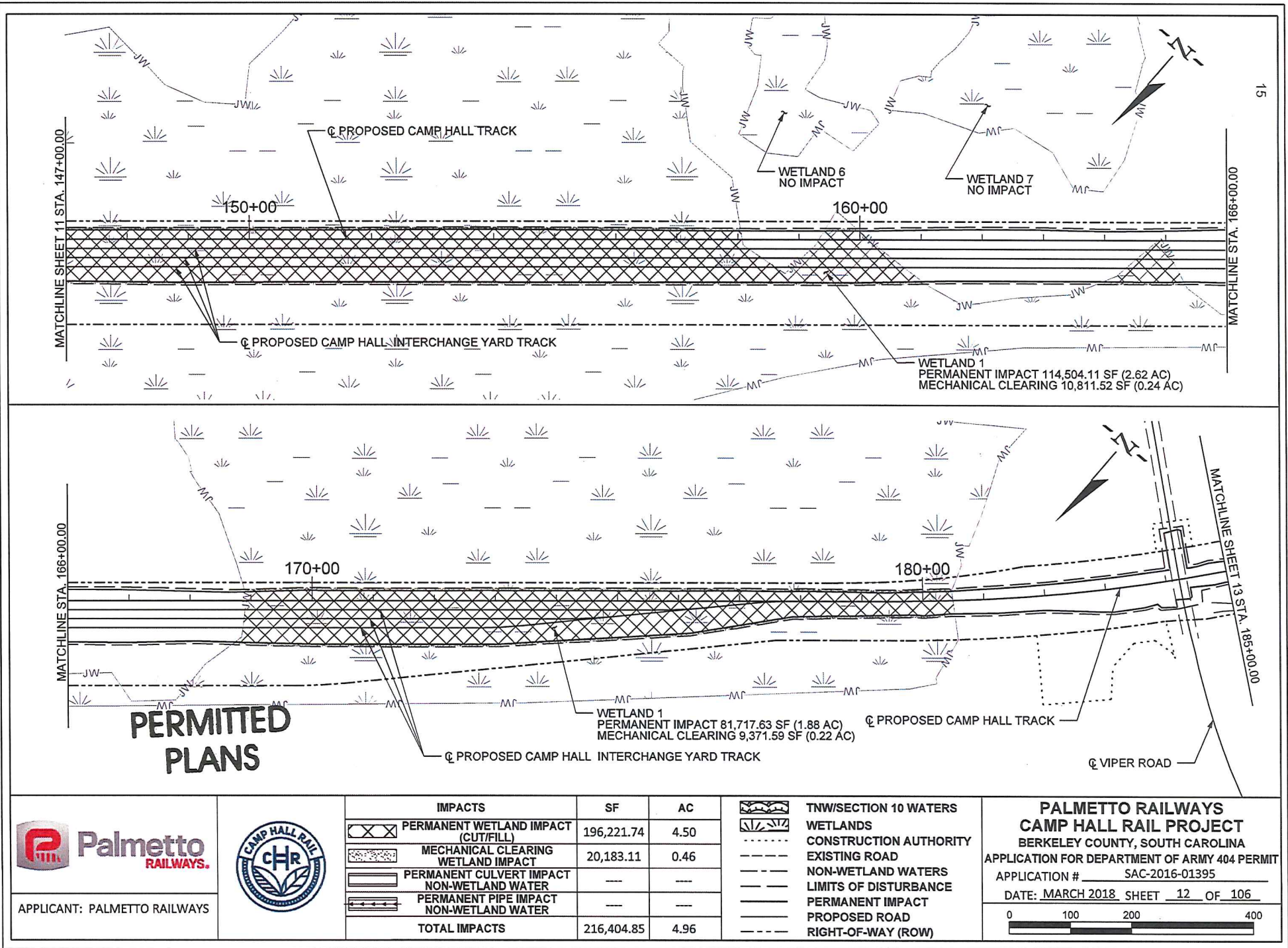
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 10 OF 106

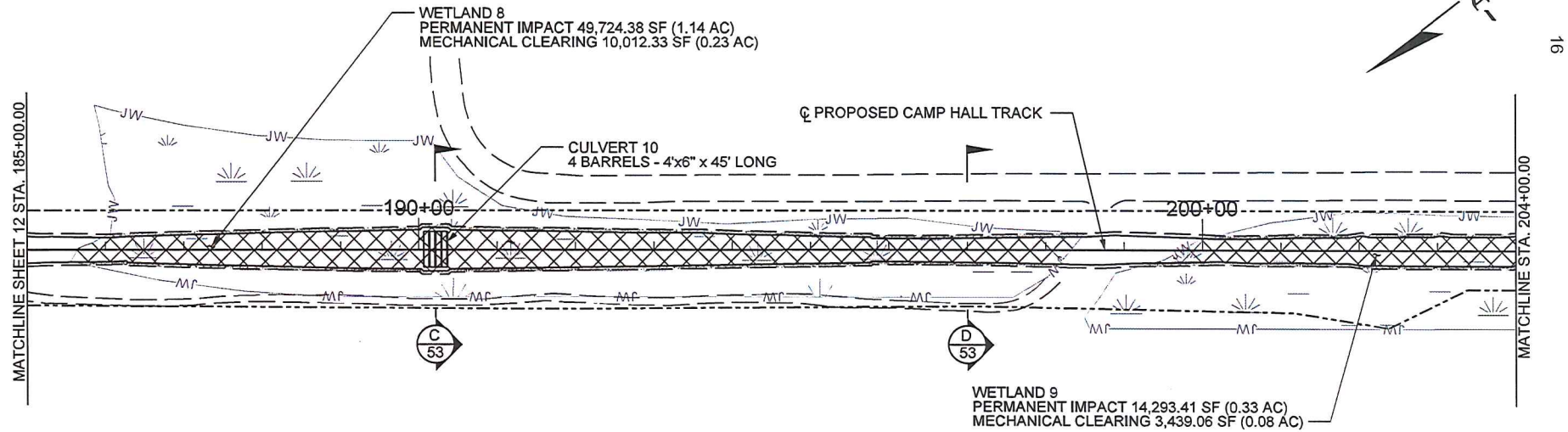




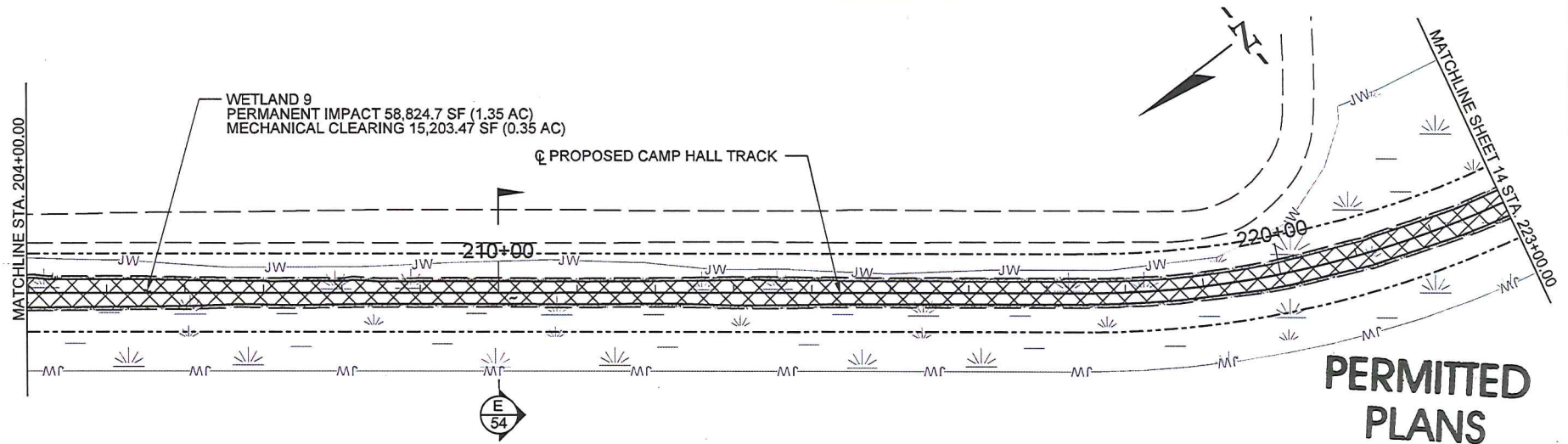








16



APPLICANT: PALMETTO RAILWAYS

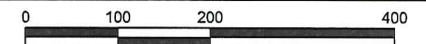


| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 122,842.49        | 2.82        |
| MECHANICAL CLEARING WETLAND IMPACT         | 28,654.86         | 0.66        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>151,497.35</b> | <b>3.48</b> |

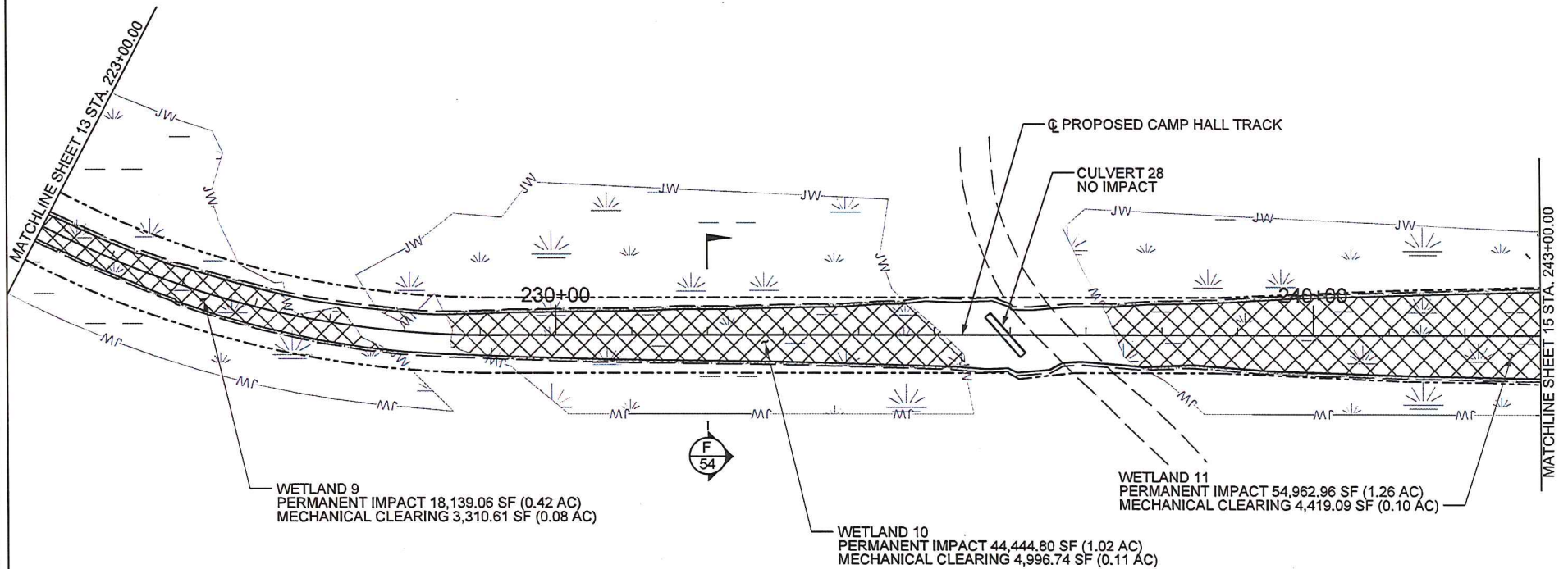
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 13 OF 106







## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS

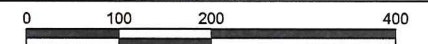


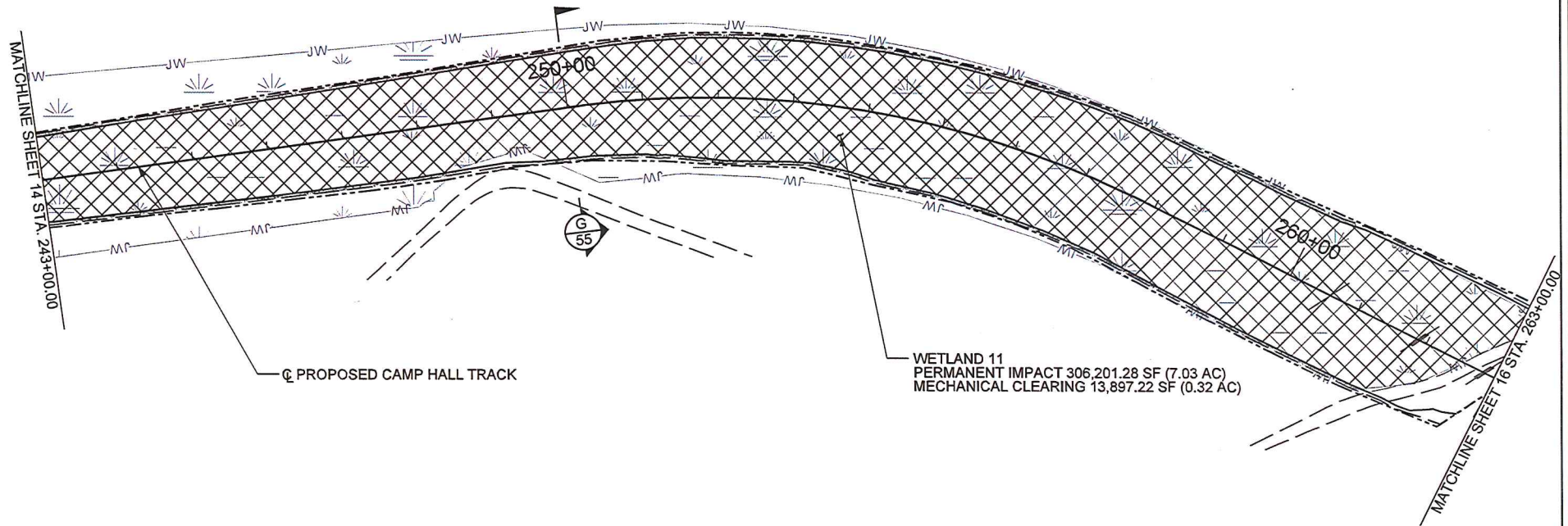
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 117,546.82        | 2.70        |
| MECHANICAL CLEARING WETLAND IMPACT         | 12,726.44         | 0.29        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>130,273.26</b> | <b>2.99</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 14 OF 106





## PERMITTED PLANS



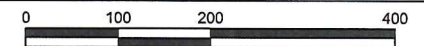
APPLICANT: PALMETTO RAILWAYS



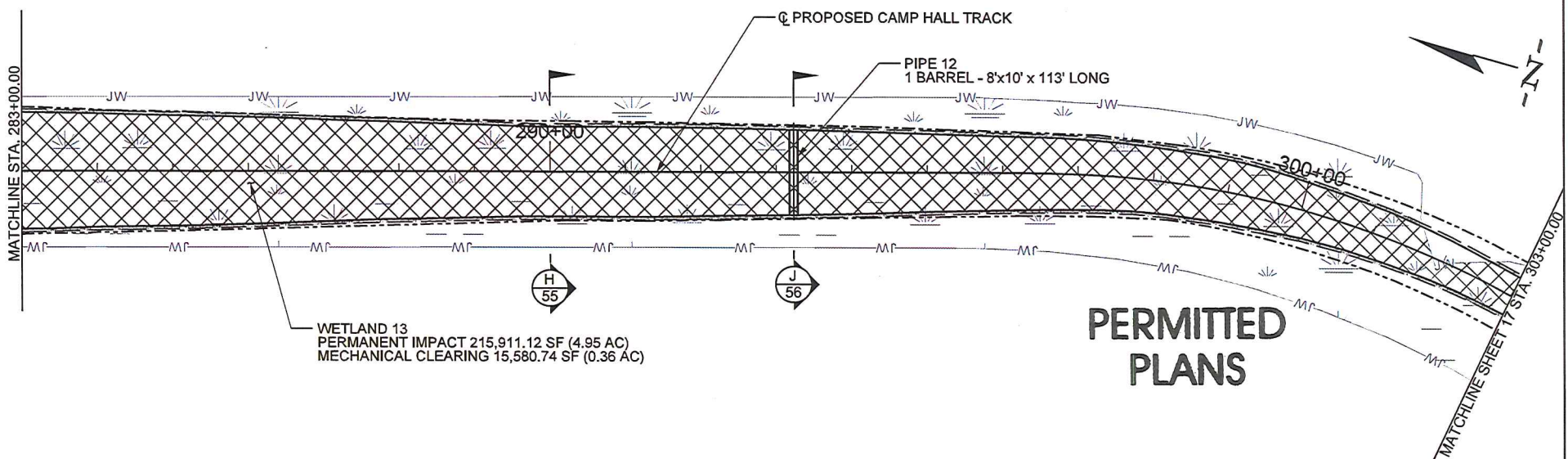
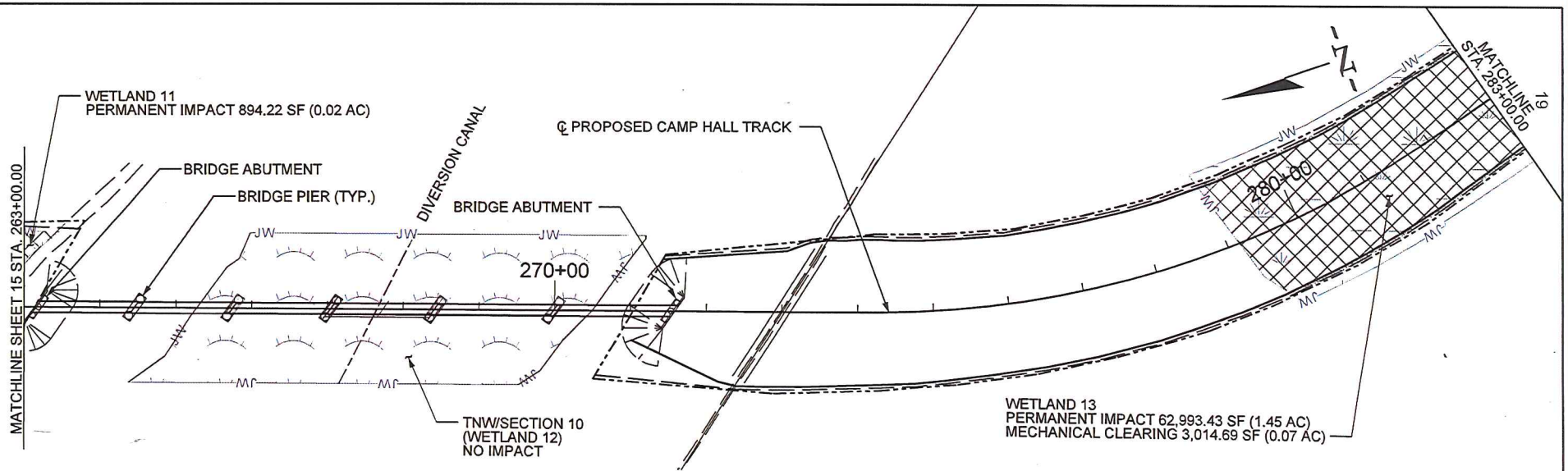
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 306,201.28        | 7.03        |
| MECHANICAL CLEARING WETLAND IMPACT         | 13,897.22         | 0.32        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>320,098.50</b> | <b>7.35</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 15 OF 106







APPLICANT: PALMETTO RAILWAYS

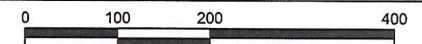


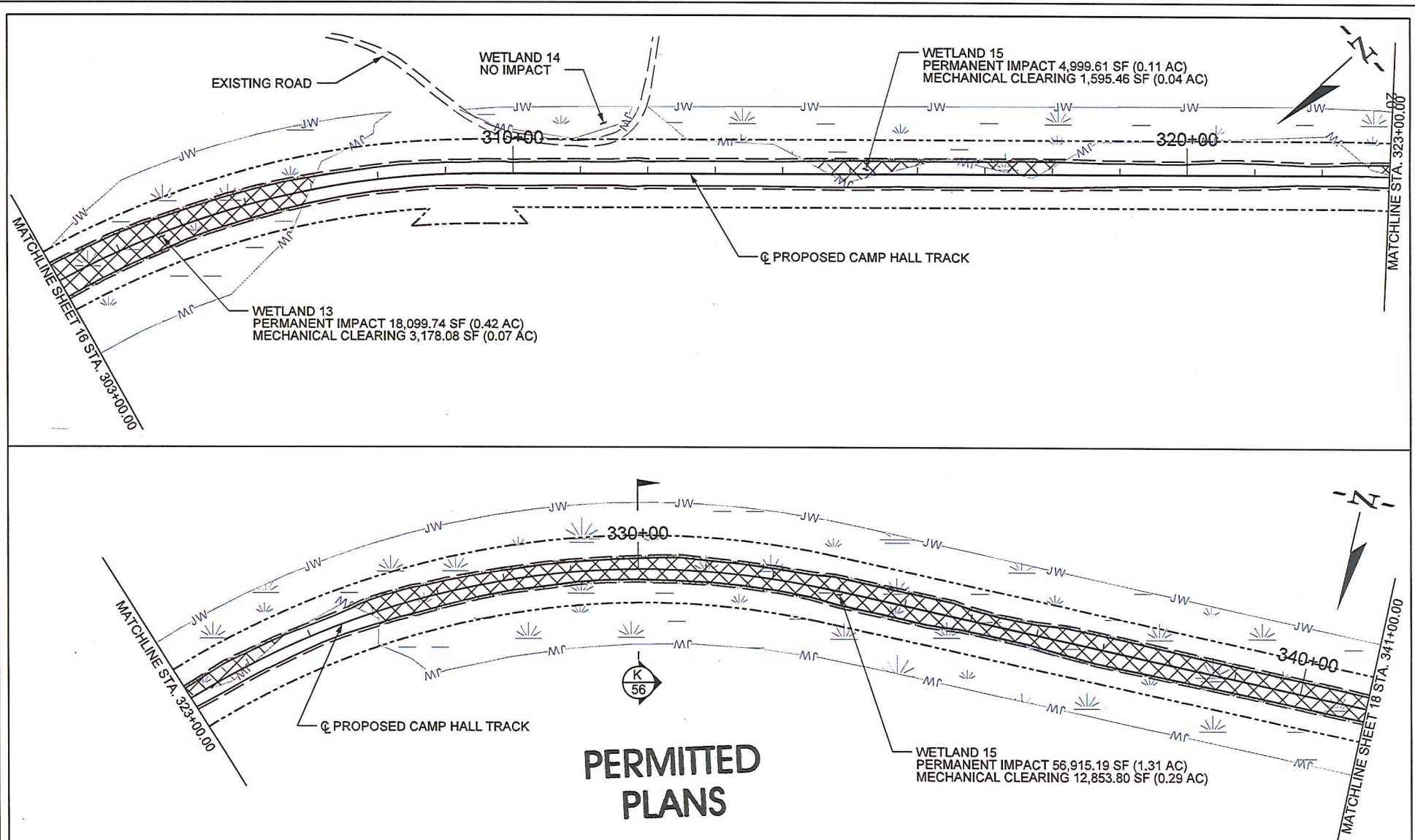
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 279,798.77        | 6.42        |
| MECHANICAL CLEARING WETLAND IMPACT         | 18,595.43         | 0.43        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>298,394.20</b> | <b>6.87</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 16 OF 106





APPLICANT: PALMETTO RAILWAYS

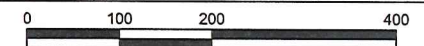


| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 80,014.54        | 1.84        |
| MECHANICAL CLEARING WETLAND IMPACT         | 17,627.34        | 0.40        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>97,641.88</b> | <b>2.24</b> |

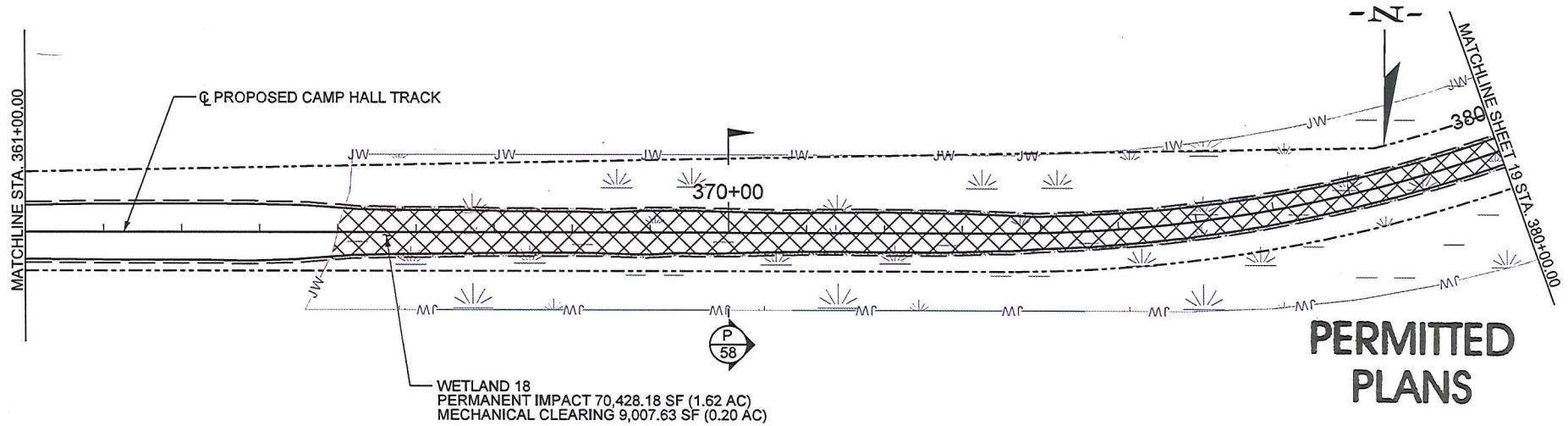
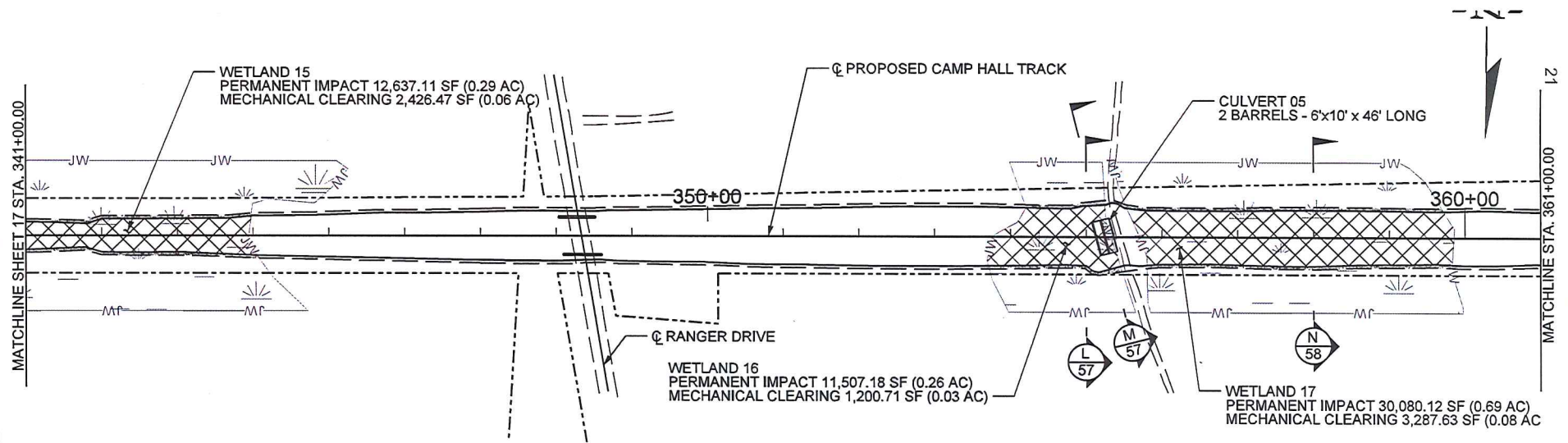
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 17 OF 106







## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS

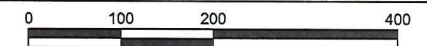


| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 124,652.59        | 2.86        |
| MECHANICAL CLEARING WETLAND IMPACT         | 15,922.44         | 0.37        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>140,575.03</b> | <b>3.23</b> |

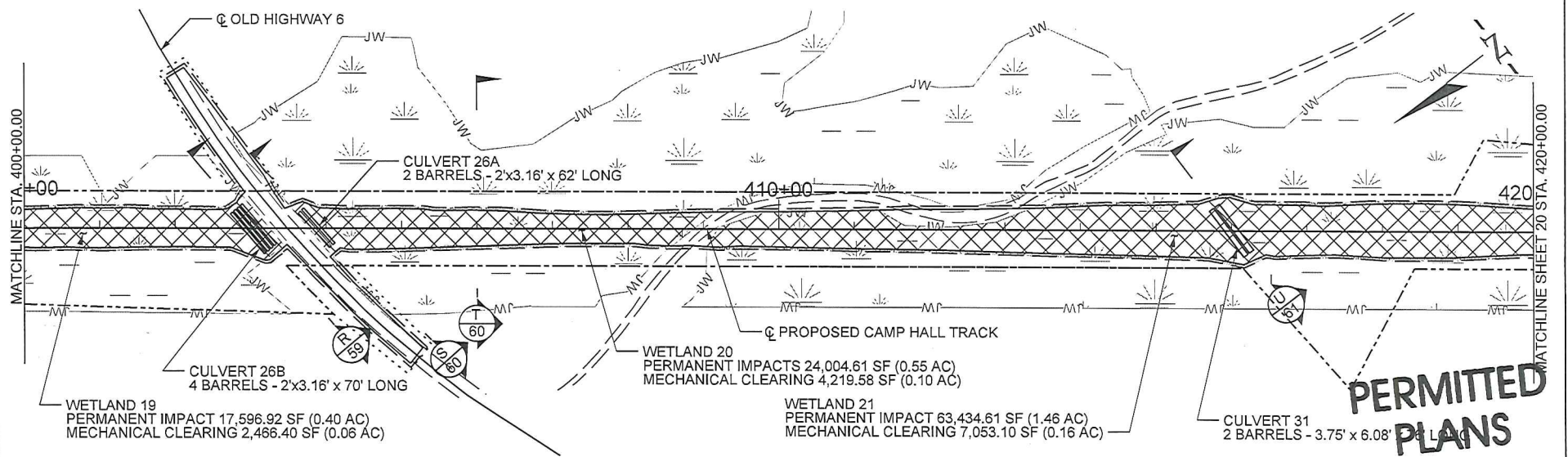
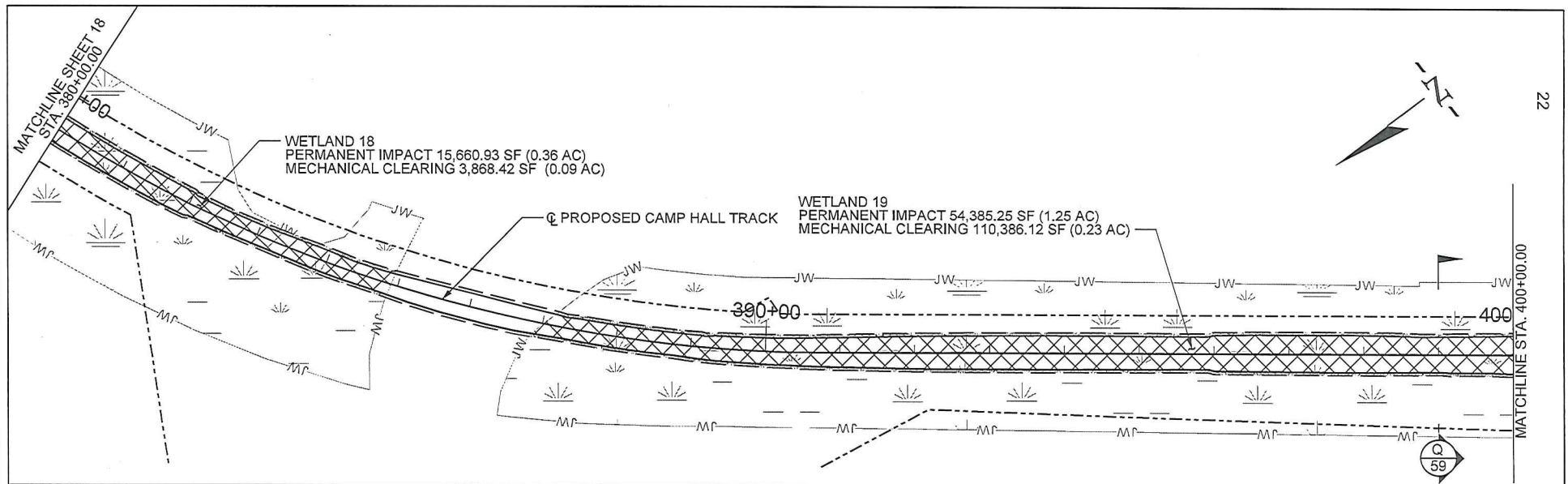
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 18 OF 106







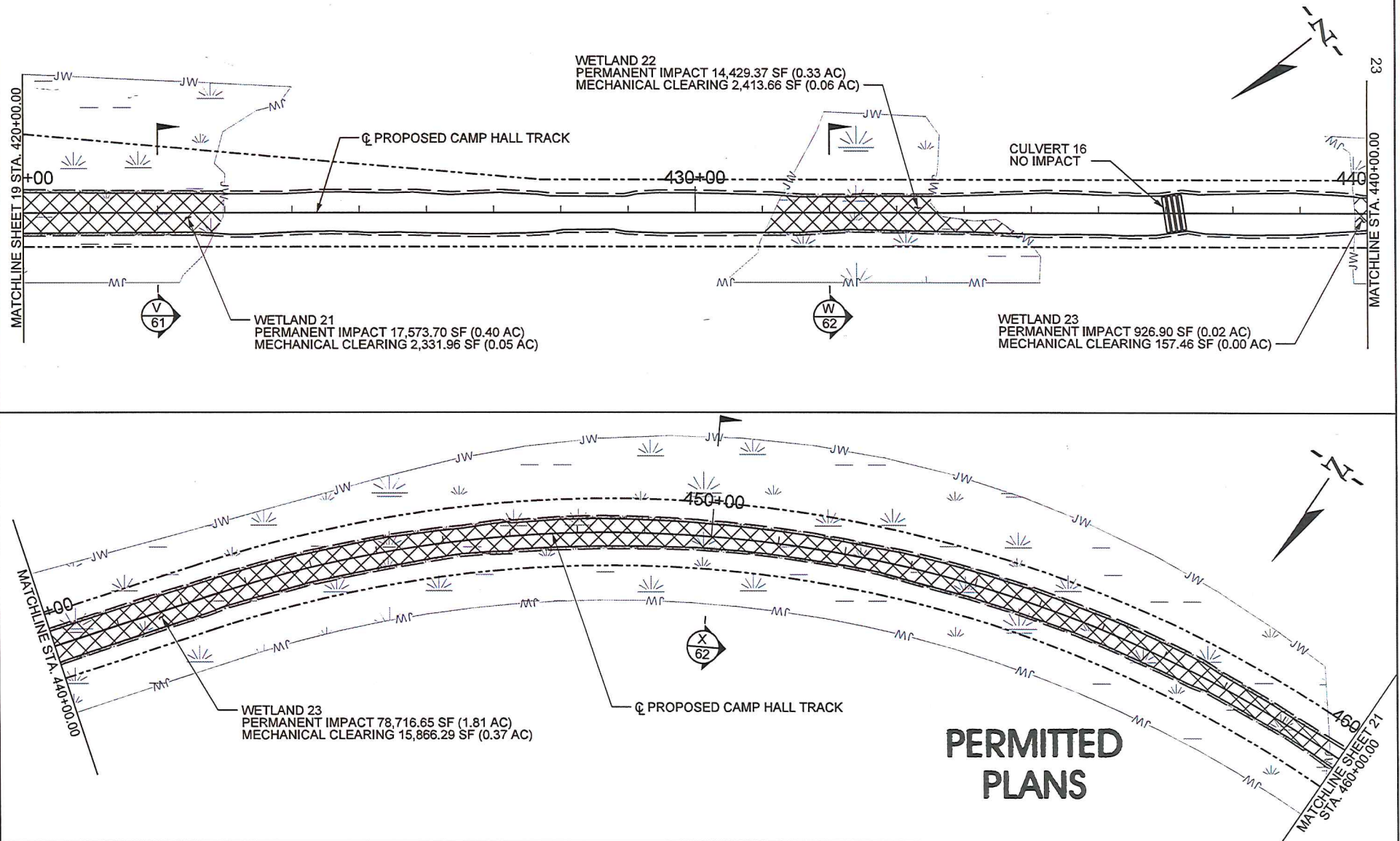
APPLICANT: PALMETTO RAILWAYS



| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 175,079.32        | 4.02        |
| MECHANICAL CLEARING WETLAND IMPACT         | 27,993.62         | 0.64        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>203,072.94</b> | <b>4.66</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

|                                               |                 |
|-----------------------------------------------|-----------------|
| <b>PALMETTO RAILWAYS</b>                      |                 |
| <b>CAMP HALL RAIL PROJECT</b>                 |                 |
| BERKELEY COUNTY, SOUTH CAROLINA               |                 |
| APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT |                 |
| APPLICATION #                                 | SAC-2016-01395  |
| DATE: JULY 2018                               | SHEET 19 OF 106 |
|                                               |                 |



APPLICANT: PALMETTO RAILWAYS



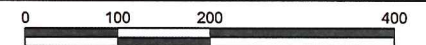
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 111,646.62        | 2.56        |
| MECHANICAL CLEARING WETLAND IMPACT         | 20,769.37         | 0.48        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>132,415.99</b> | <b>3.04</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

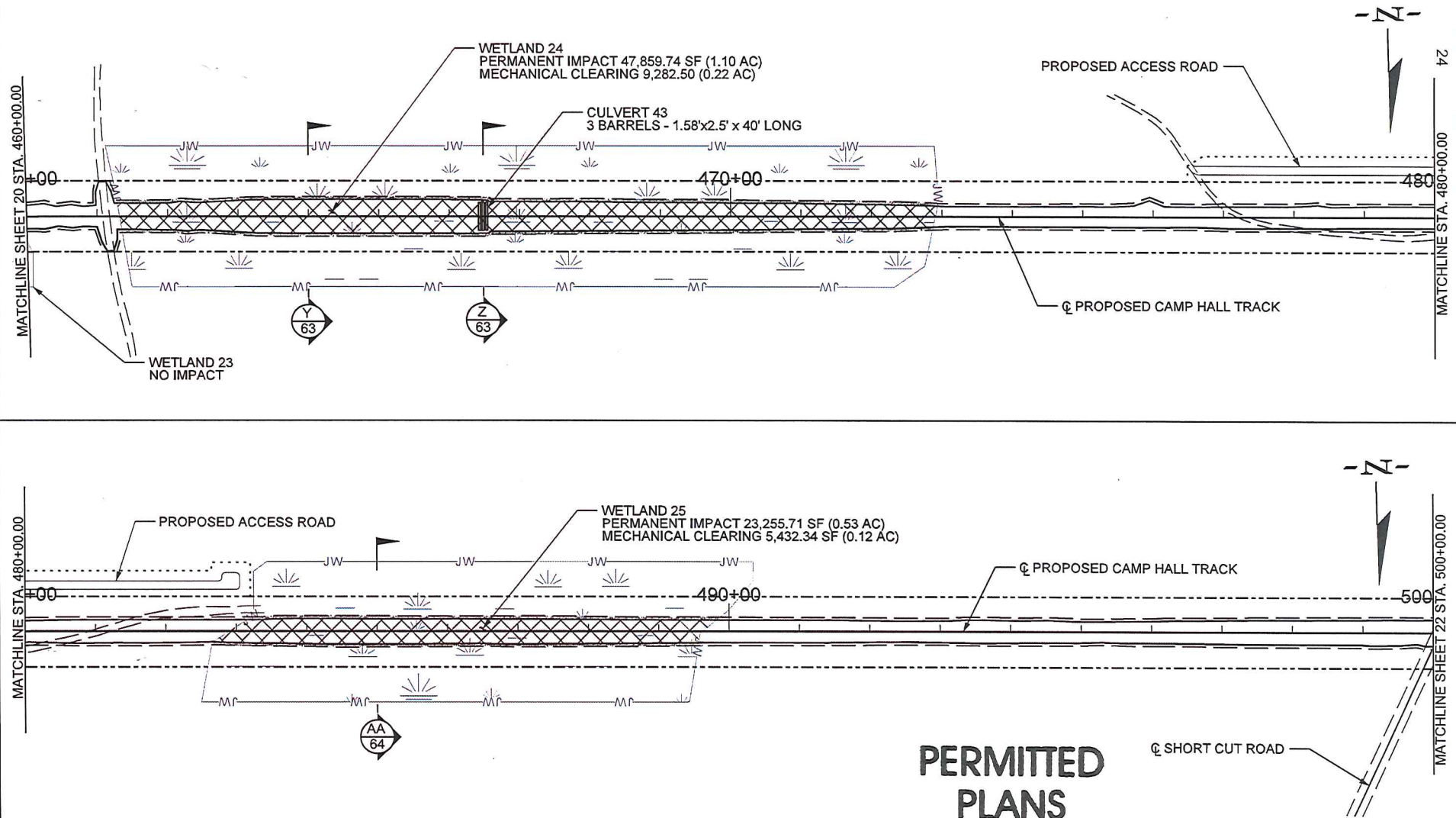
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 20 OF 106







APPLICANT: PALMETTO RAILWAYS

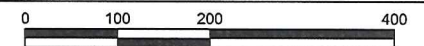


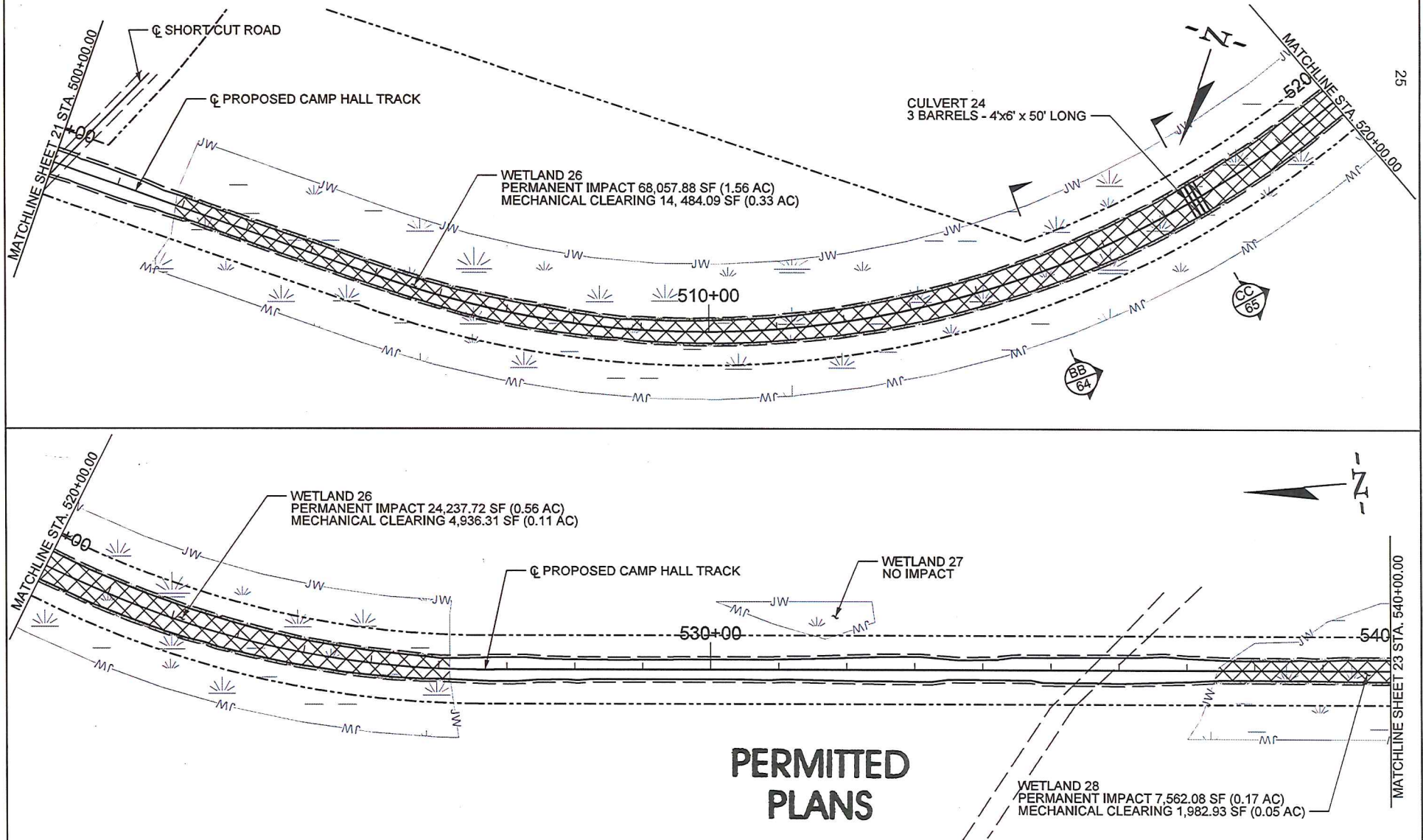
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 71,115.45        | 1.63        |
| MECHANICAL CLEARING WETLAND IMPACT         | 14,714.84        | 0.34        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>85,830.29</b> | <b>1.97</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 21 OF 106





APPLICANT: PALMETTO RAILWAYS



| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 99,857.68         | 2.29        |
| MECHANICAL CLEARING WETLAND IMPACT         | 21,403.33         | 0.49        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>121,261.01</b> | <b>2.78</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

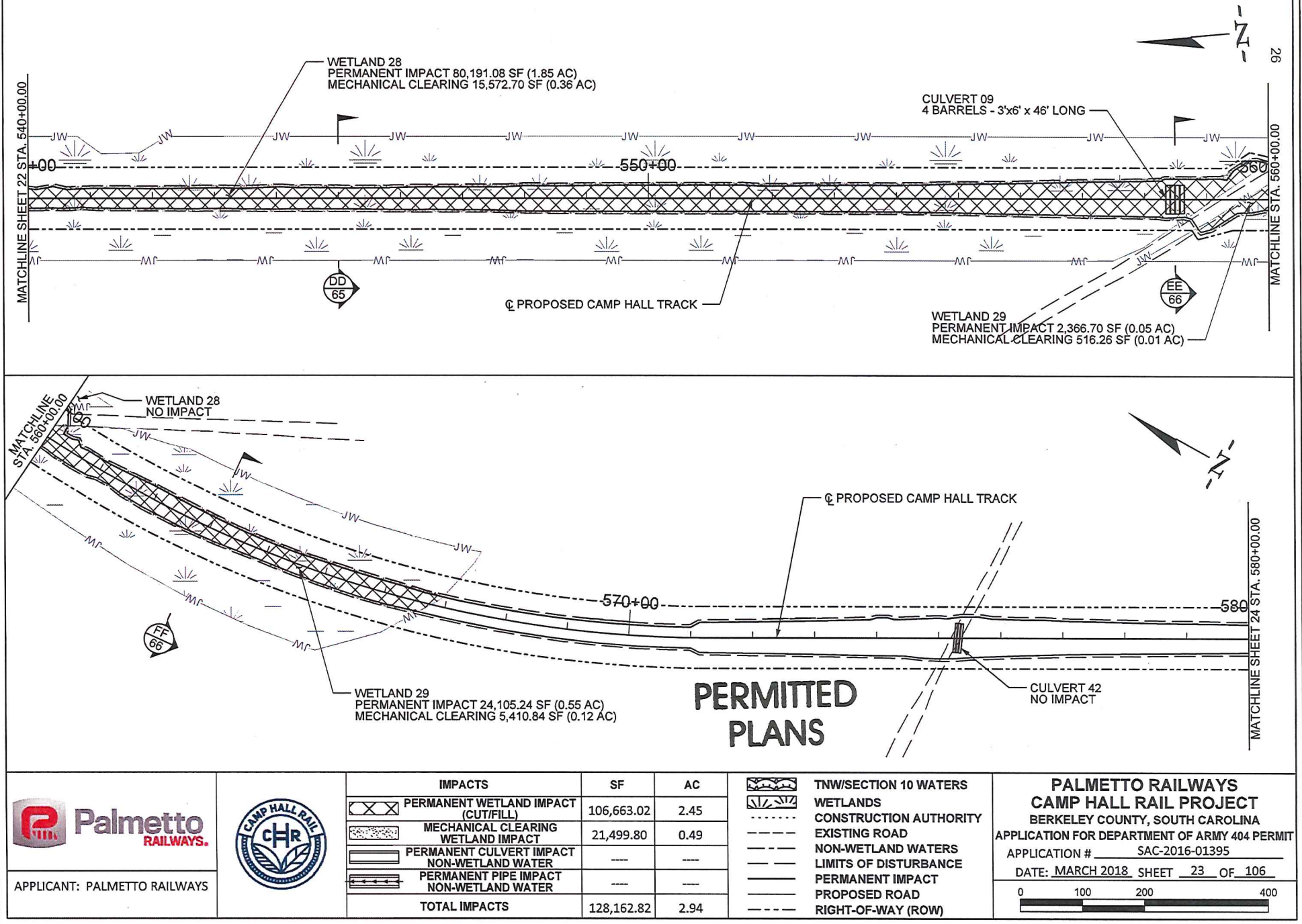
**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

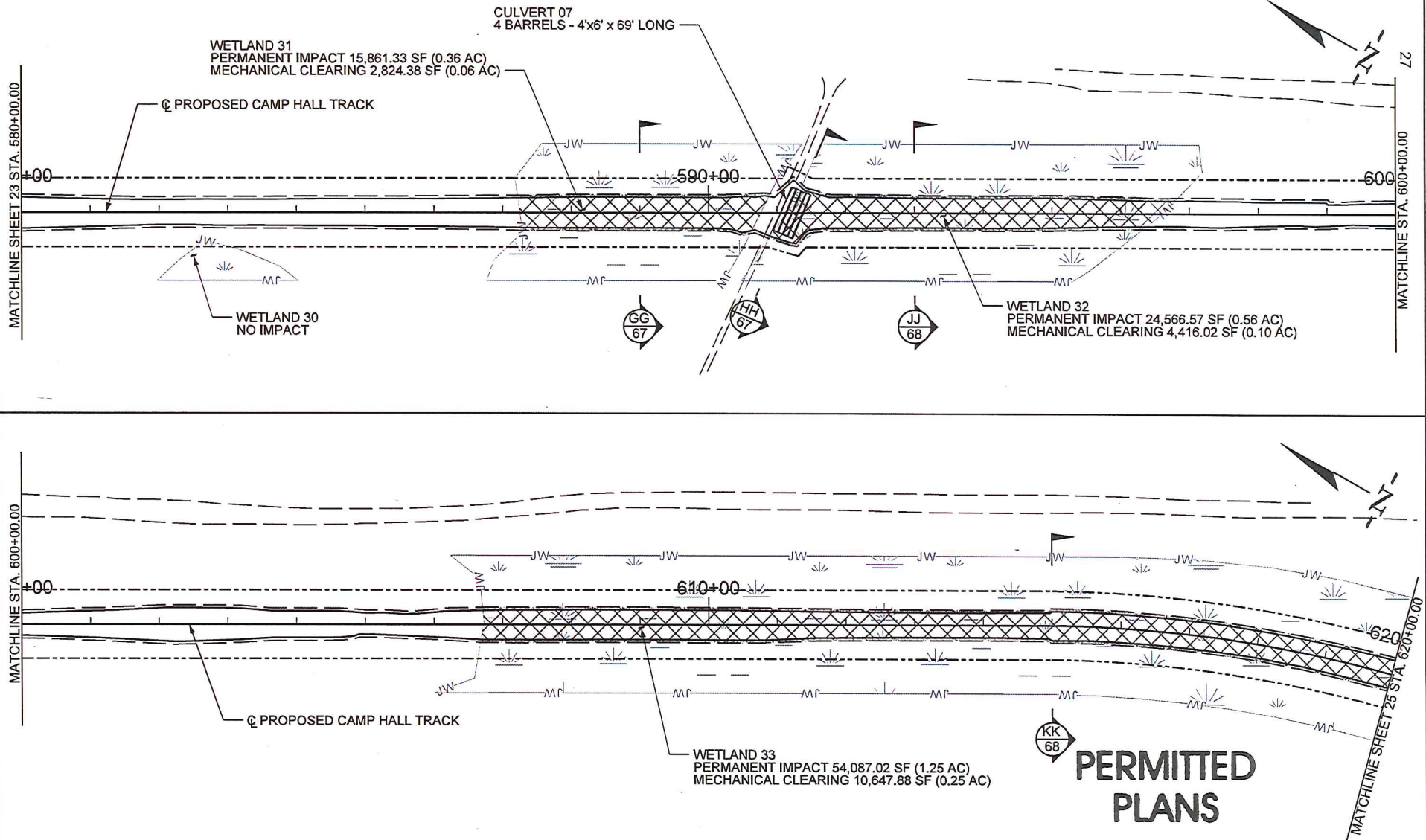
DATE: MARCH 2018 SHEET 22 OF 106

0 100 200 400









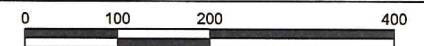
APPLICANT: PALMETTO RAILWAYS

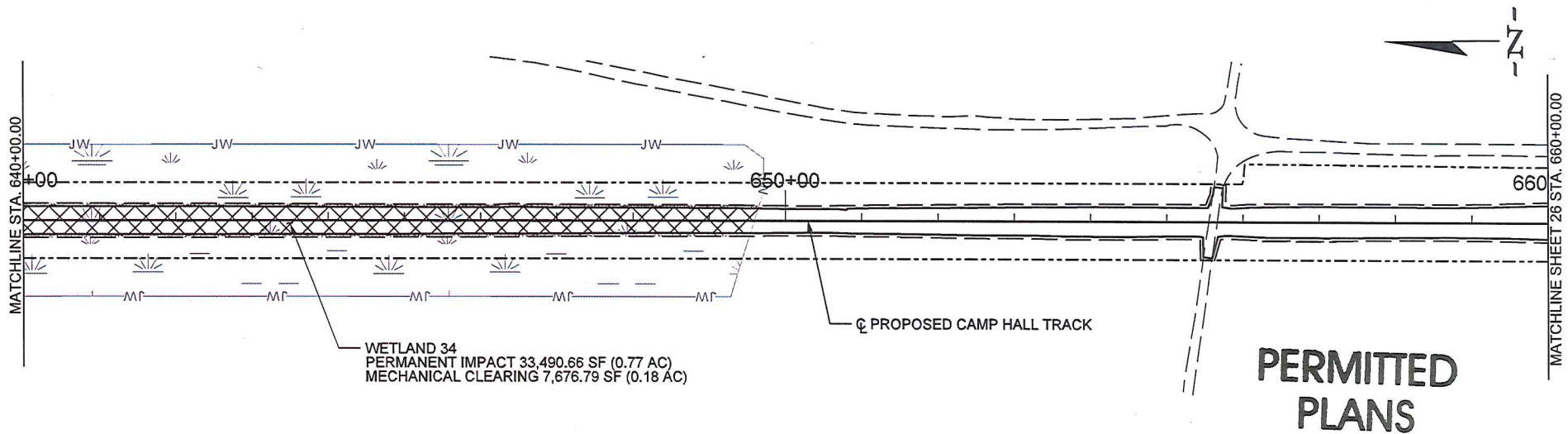
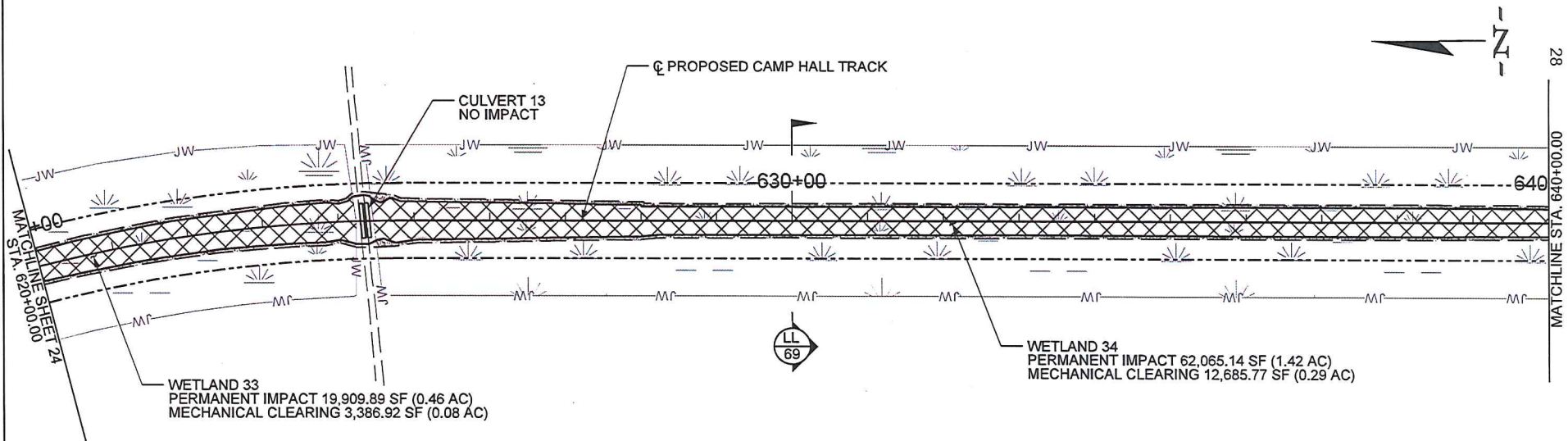


| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 94,514.92         | 2.17        |
| MECHANICAL CLEARING WETLAND IMPACT         | 17,888.28         | 0.41        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>112,403.20</b> | <b>2.58</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 24 OF 106





APPLICANT: PALMETTO RAILWAYS

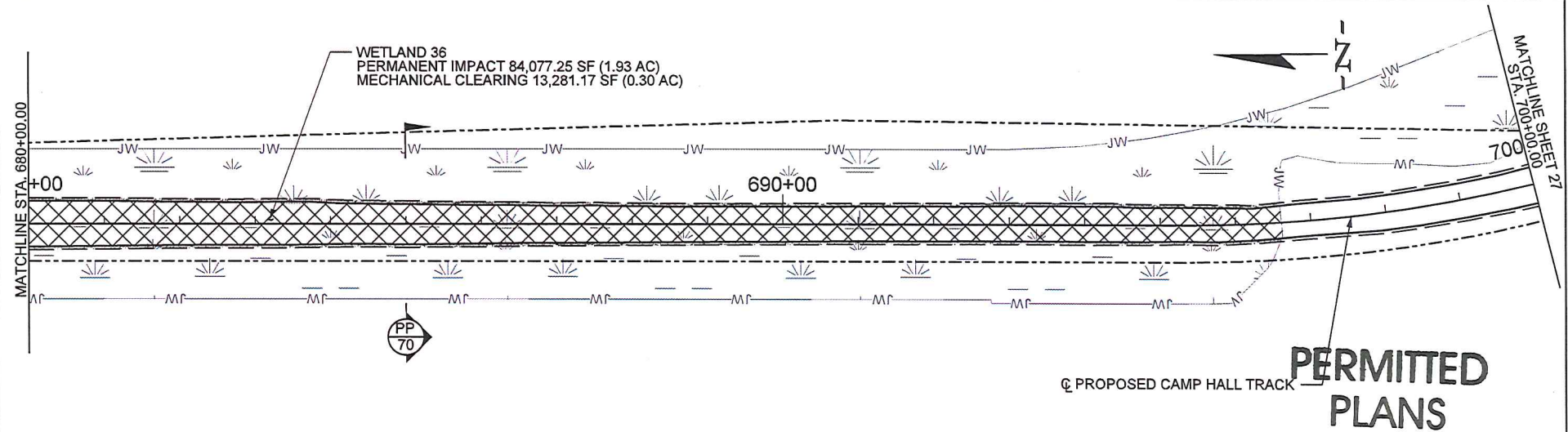
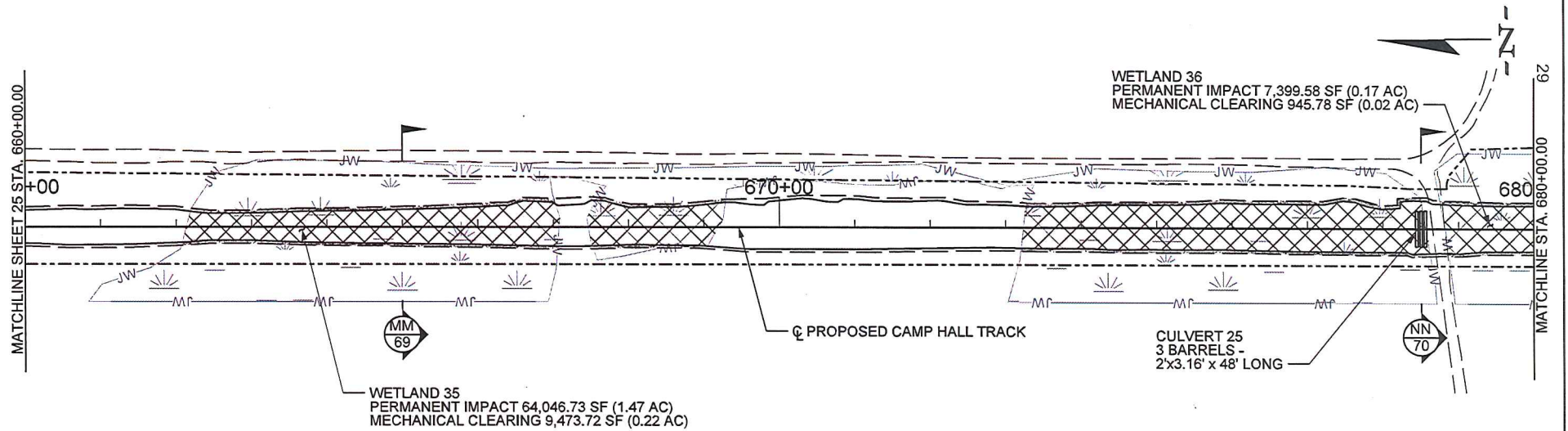


| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 115,465.69        | 2.65        |
| MECHANICAL CLEARING WETLAND IMPACT         | 23,749.48         | 0.55        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>139,215.17</b> | <b>3.20</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

|                                               |                            |
|-----------------------------------------------|----------------------------|
| <b>PALMETTO RAILWAYS</b>                      |                            |
| <b>CAMP HALL RAIL PROJECT</b>                 |                            |
| BERKELEY COUNTY, SOUTH CAROLINA               |                            |
| APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT |                            |
| APPLICATION #                                 | SAC-2016-01395             |
| DATE:                                         | MARCH 2018 SHEET 25 OF 106 |
| 0 100 200 400                                 |                            |





APPLICANT: PALMETTO RAILWAYS

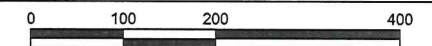


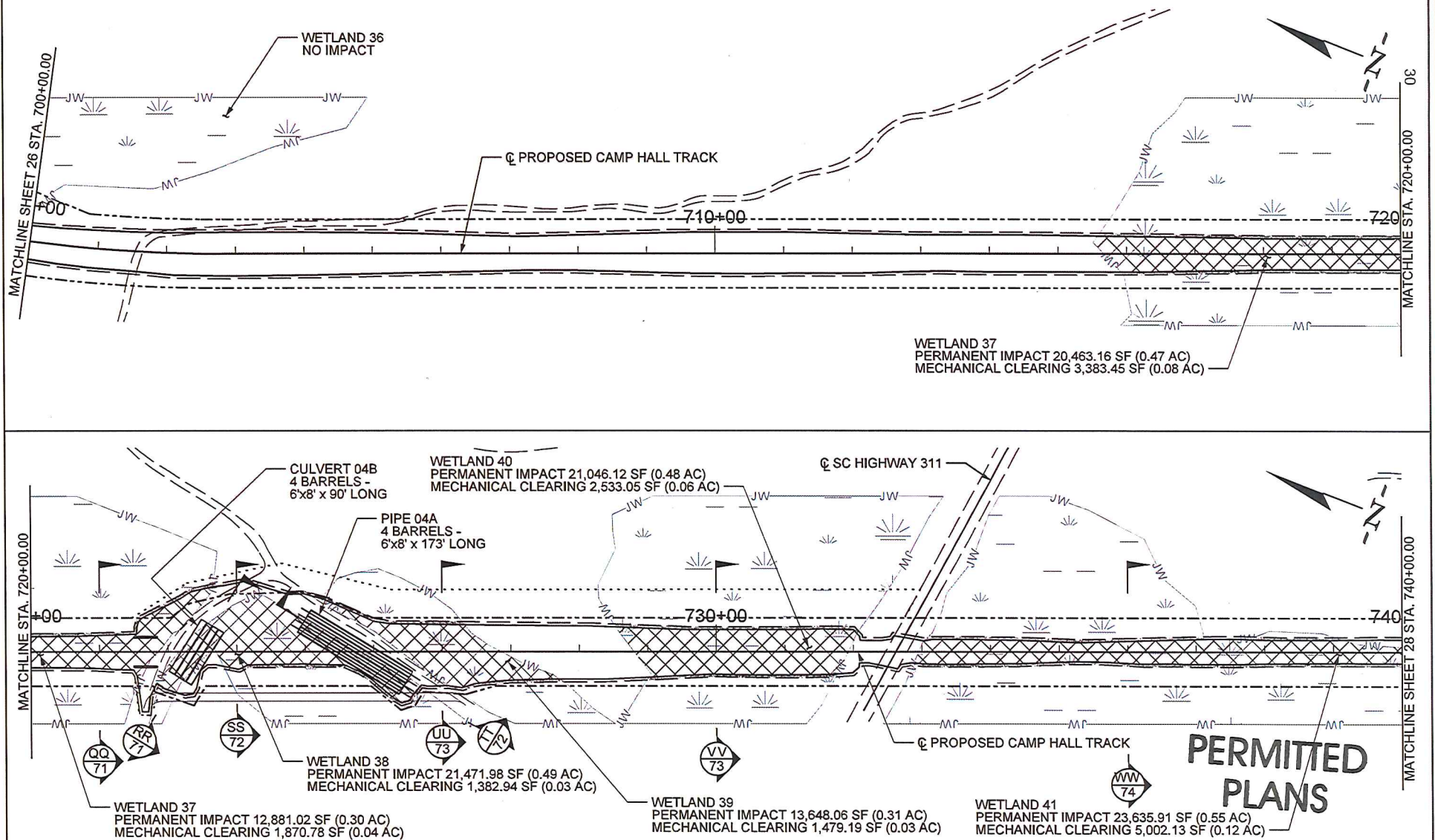
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 155,523.56        | 3.57        |
| MECHANICAL CLEARING WETLAND IMPACT         | 23,700.67         | 0.54        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>179,224.23</b> | <b>4.11</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 26 OF 106





APPLICANT: PALMETTO RAILWAYS



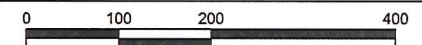
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 113,046.25        | 2.60        |
| MECHANICAL CLEARING WETLAND IMPACT         | 15,651.54         | 0.36        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>128,697.79</b> | <b>2.96</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

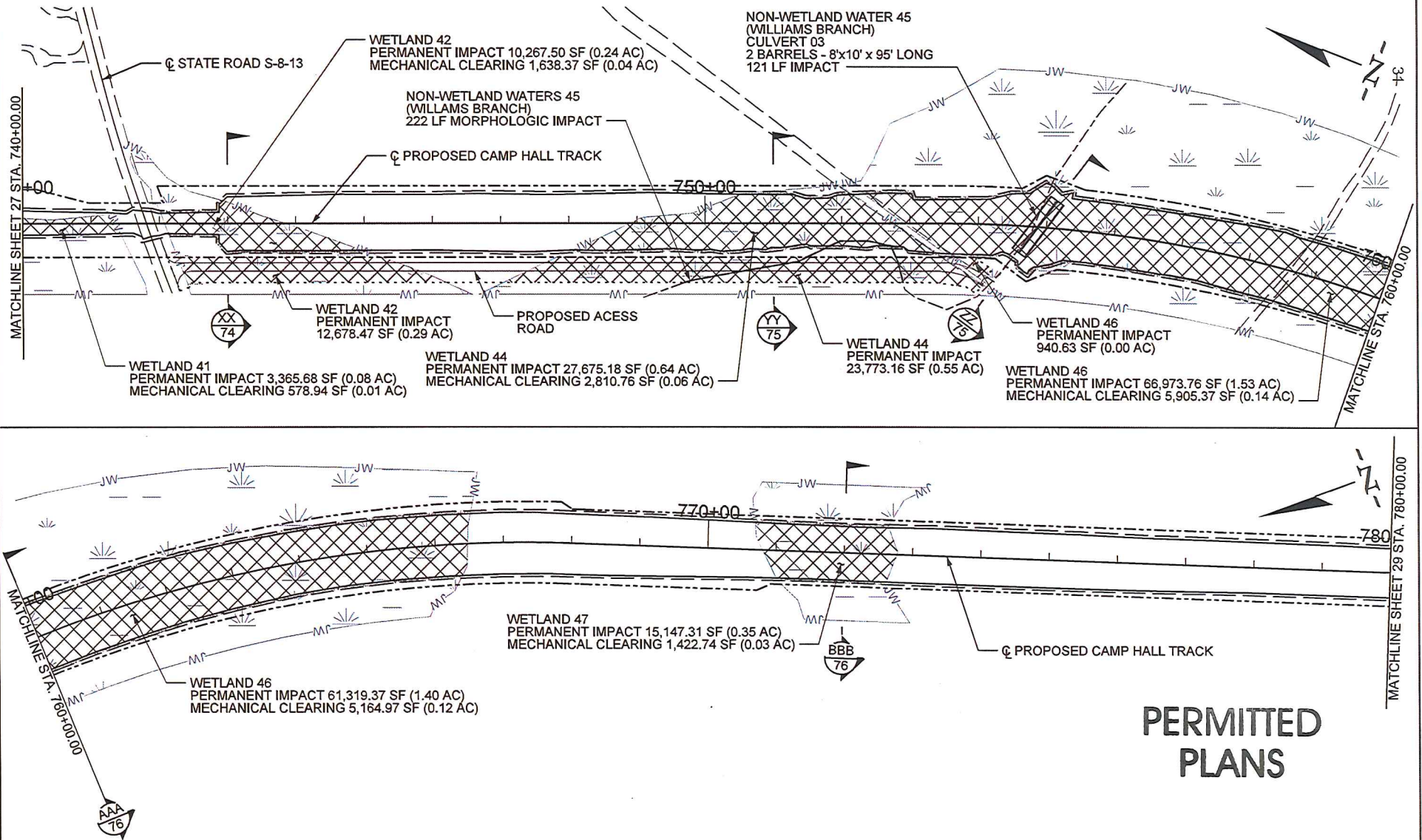
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 27 OF 106







APPLICANT: PALMETTO RAILWAYS

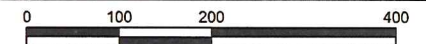


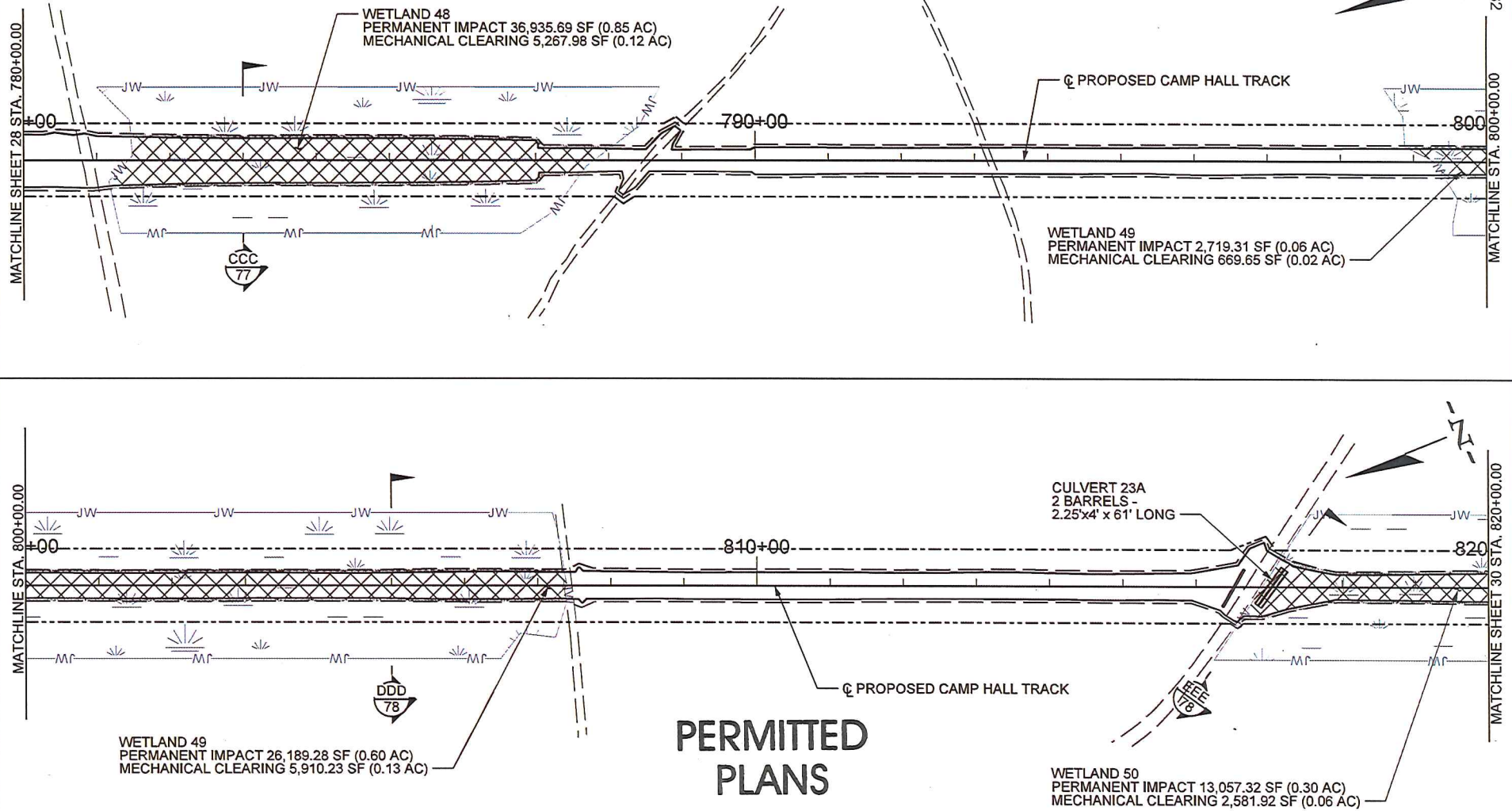
| IMPACTS                                        | SF                | AC          |
|------------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)            | 222,141.03        | 5.10        |
| MECHANICAL CLEARING WETLAND IMPACT             | 17,521.15         | 0.40        |
| PERMANENT MORPHOLOGIC IMPACT NON-WETLAND WATER | 222 LF            | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER        | 121 LF            | ---         |
| <b>TOTAL IMPACTS</b>                           | <b>239,662.21</b> | <b>5.50</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 28 OF 106





APPLICANT: PALMETTO RAILWAYS

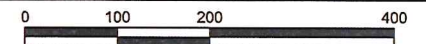


| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 78,901.60        | 1.81        |
| MECHANICAL CLEARING WETLAND IMPACT         | 14,429.78        | 0.33        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>93,331.38</b> | <b>2.14</b> |

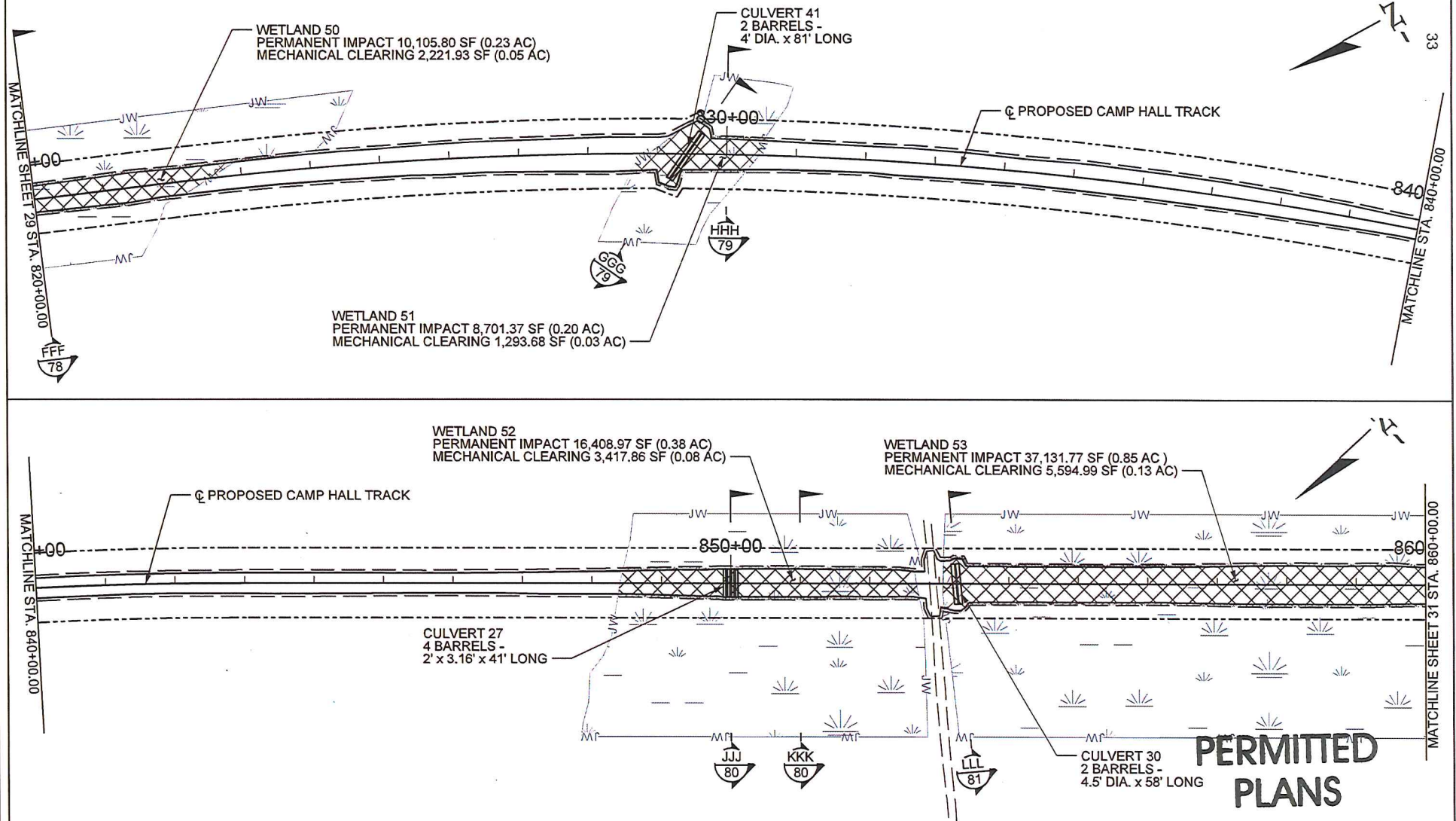
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 29 OF 106







APPLICANT: PALMETTO RAILWAYS



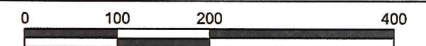
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 72,347.91        | 1.66        |
| MECHANICAL CLEARING WETLAND IMPACT         | 12,528.46        | 0.29        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>84,876.37</b> | <b>1.95</b> |

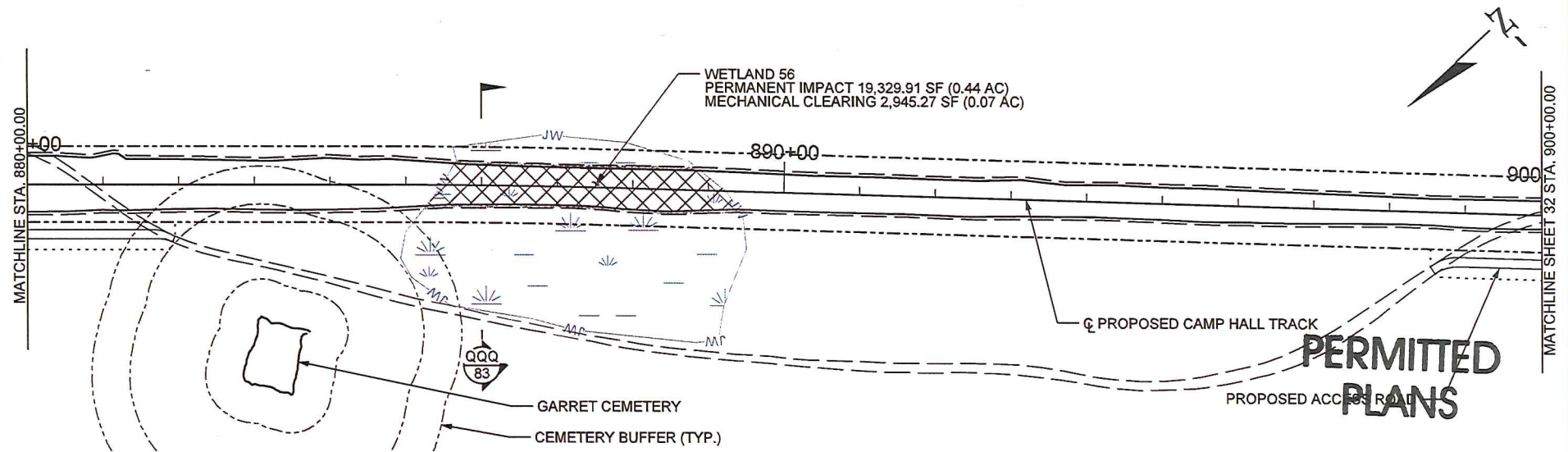
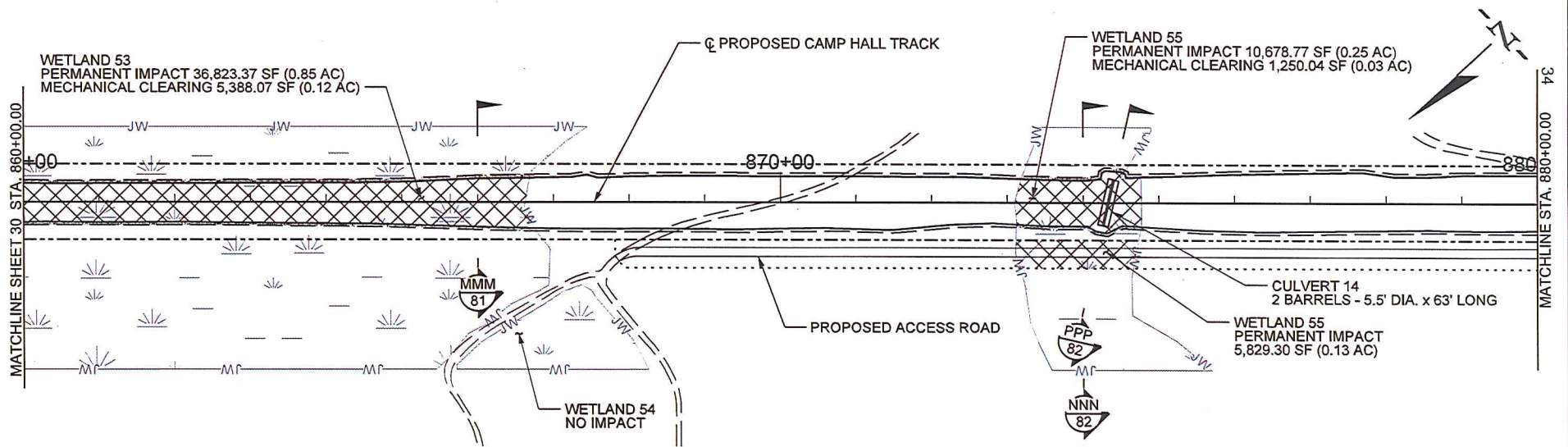
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 30 OF 106





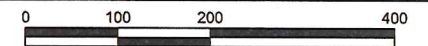
APPLICANT: PALMETTO RAILWAYS



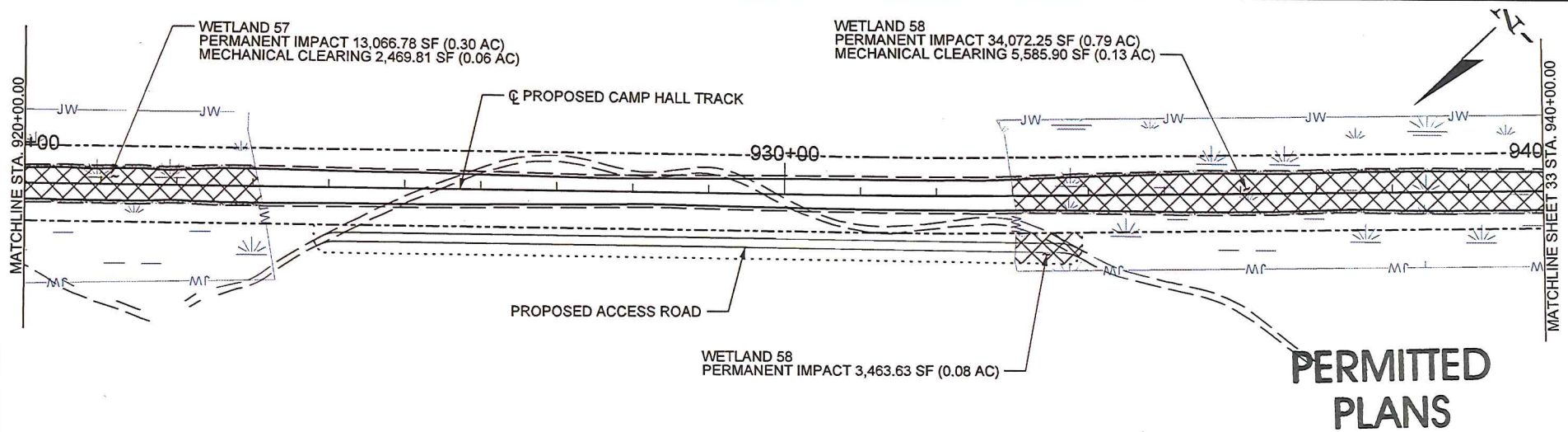
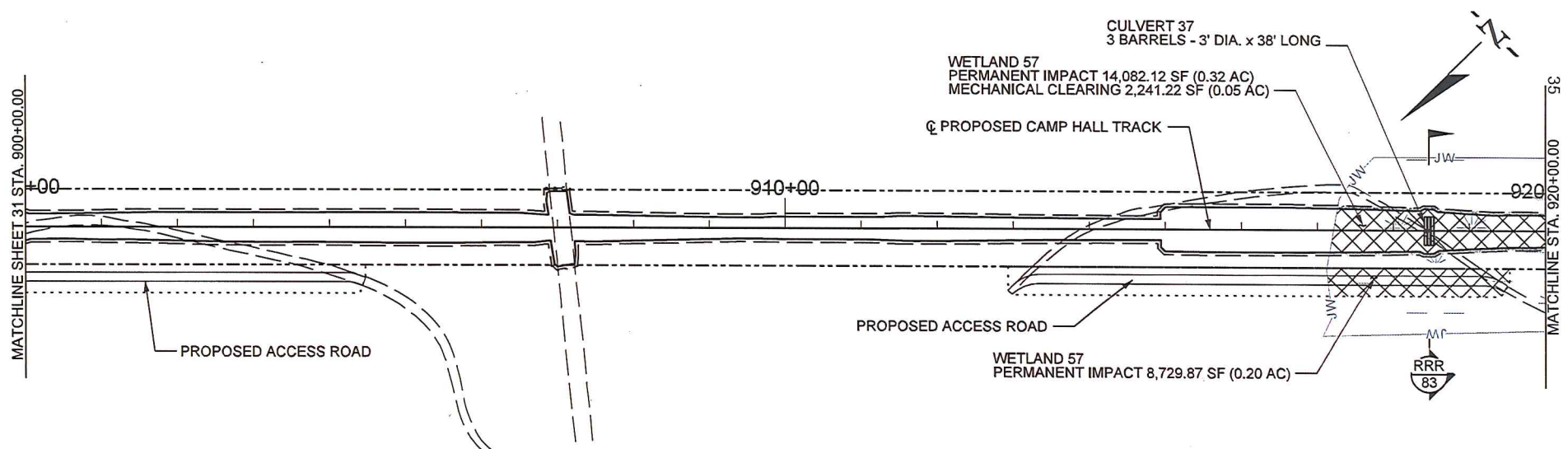
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 72,661.35        | 1.67        |
| MECHANICAL CLEARING WETLAND IMPACT         | 9,583.38         | 0.22        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>82,244.73</b> | <b>1.89</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 31 OF 106







APPLICANT: PALMETTO RAILWAYS



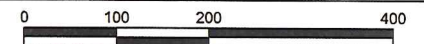
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 73,414.65        | 1.69        |
| MECHANICAL CLEARING WETLAND IMPACT         | 10,296.93        | 0.24        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>83,711.58</b> | <b>1.93</b> |

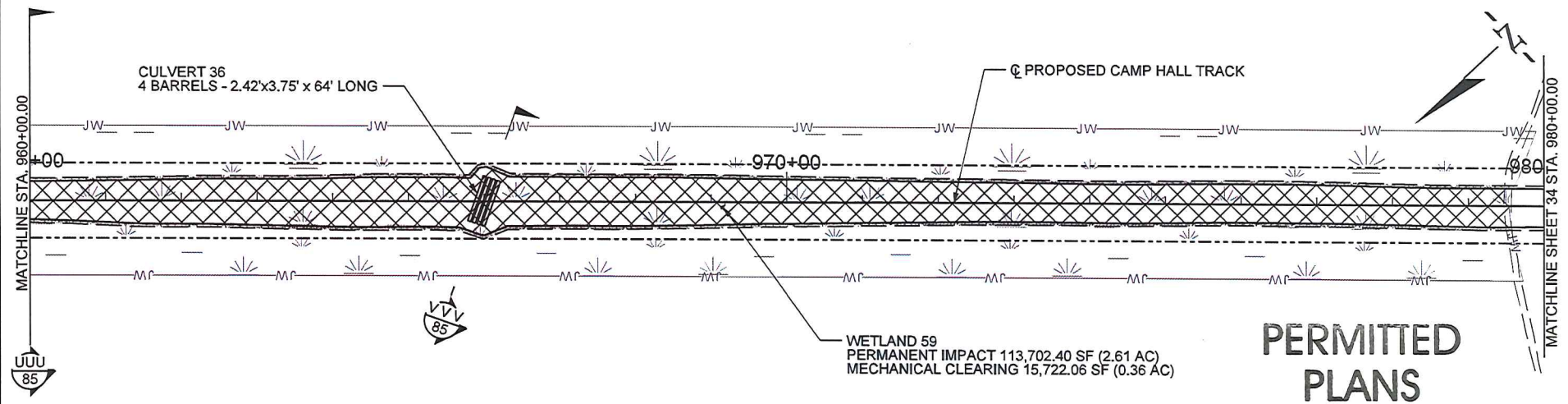
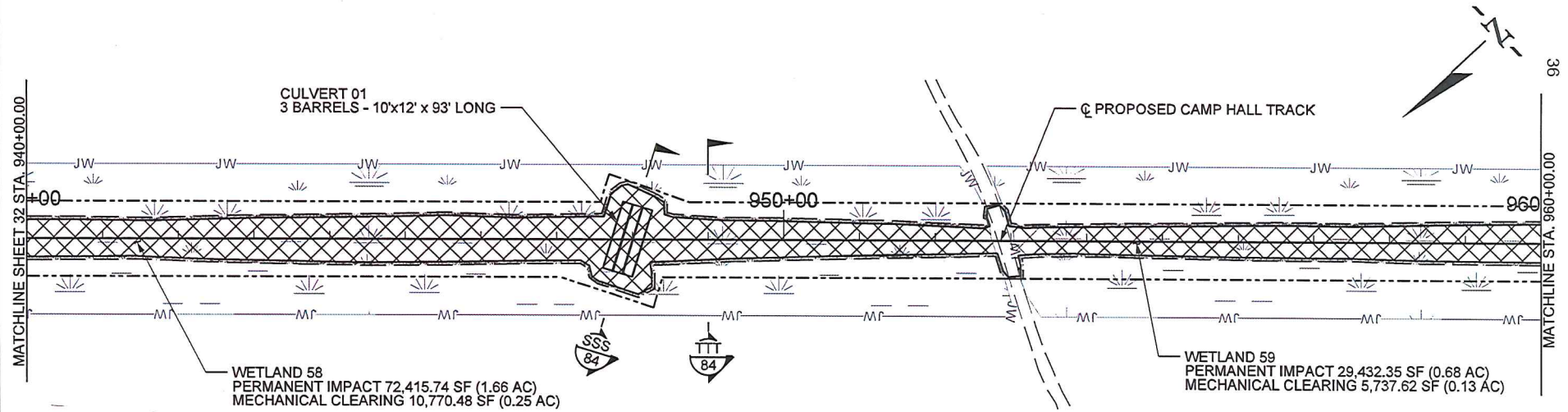
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 32 OF 106





## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS

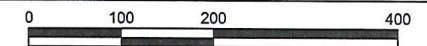


| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 215,550.49        | 4.95        |
| MECHANICAL CLEARING WETLAND IMPACT         | 32,230.16         | 0.74        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>247,780.65</b> | <b>5.69</b> |

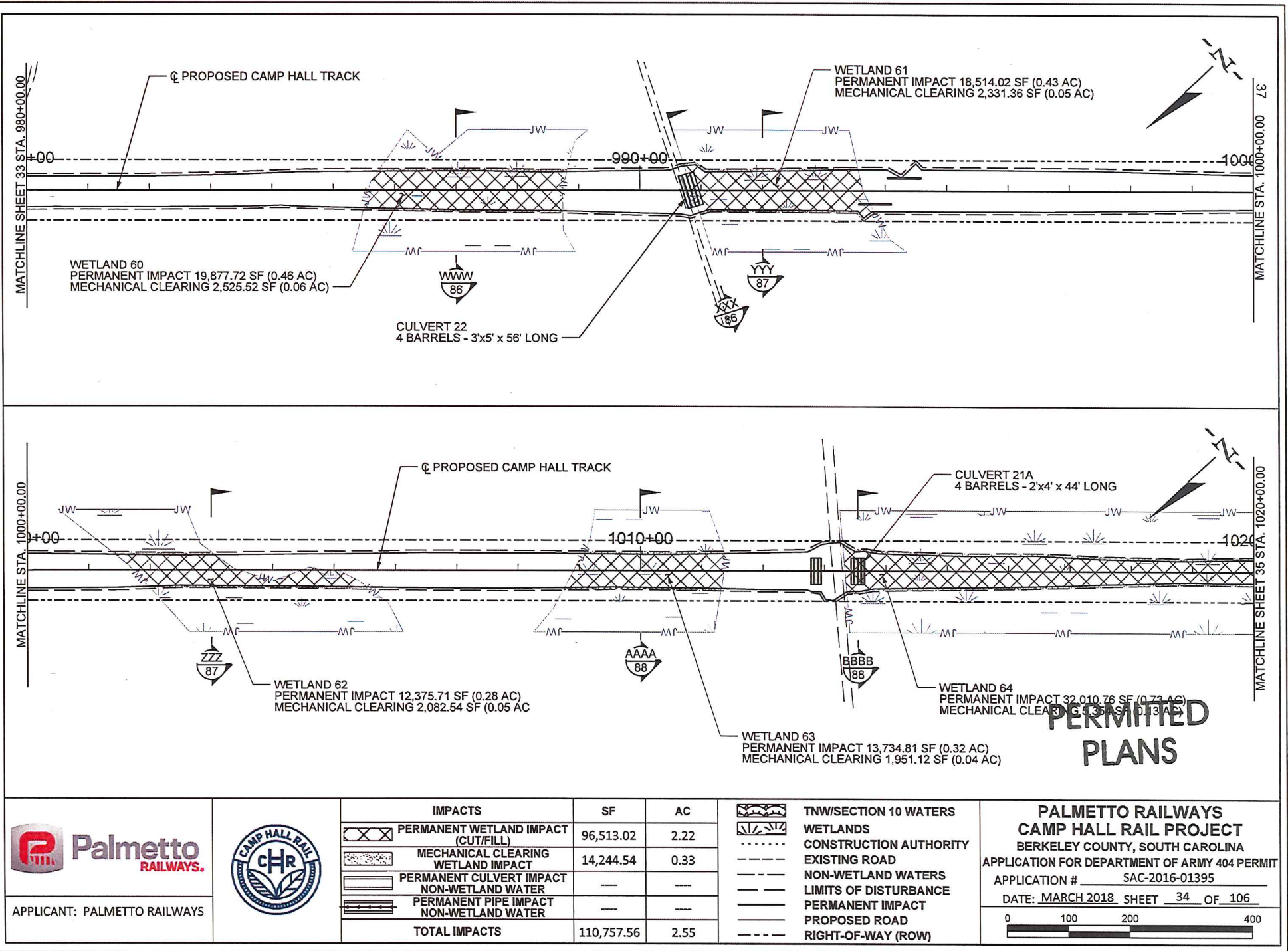
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 33 OF 106

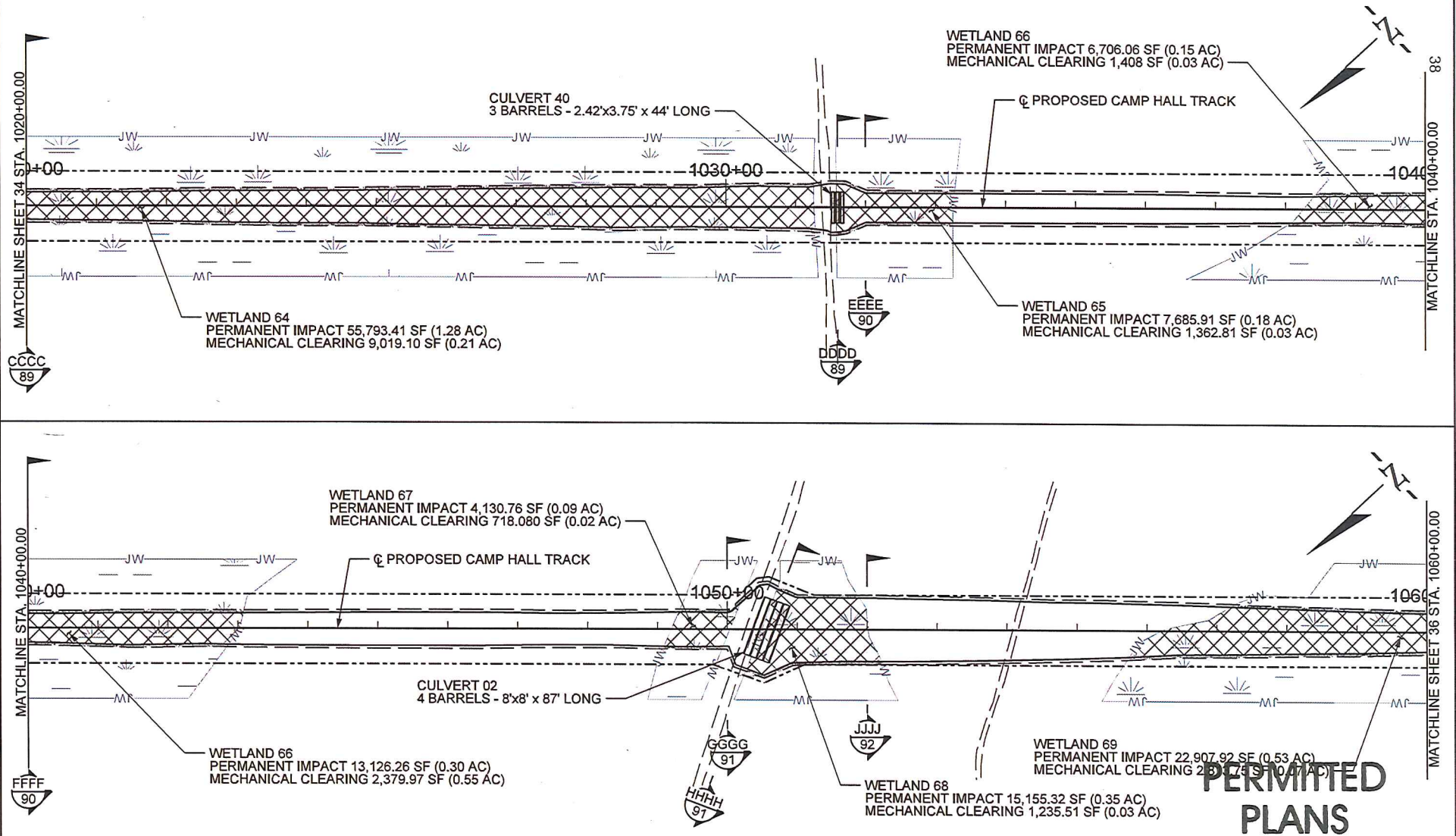






APPLICANT: PALMETTO RAILWAYS





APPLICANT: PALMETTO RAILWAYS



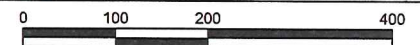
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 125,505.64        | 2.88        |
| MECHANICAL CLEARING WETLAND IMPACT         | 40,349.76         | 0.93        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>165,855.40</b> | <b>3.81</b> |



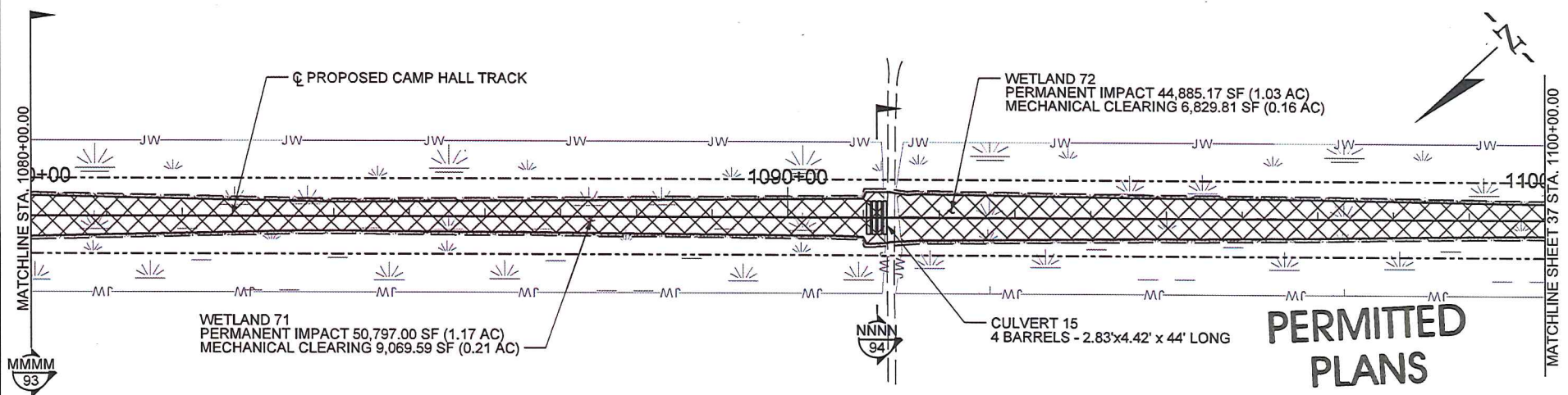
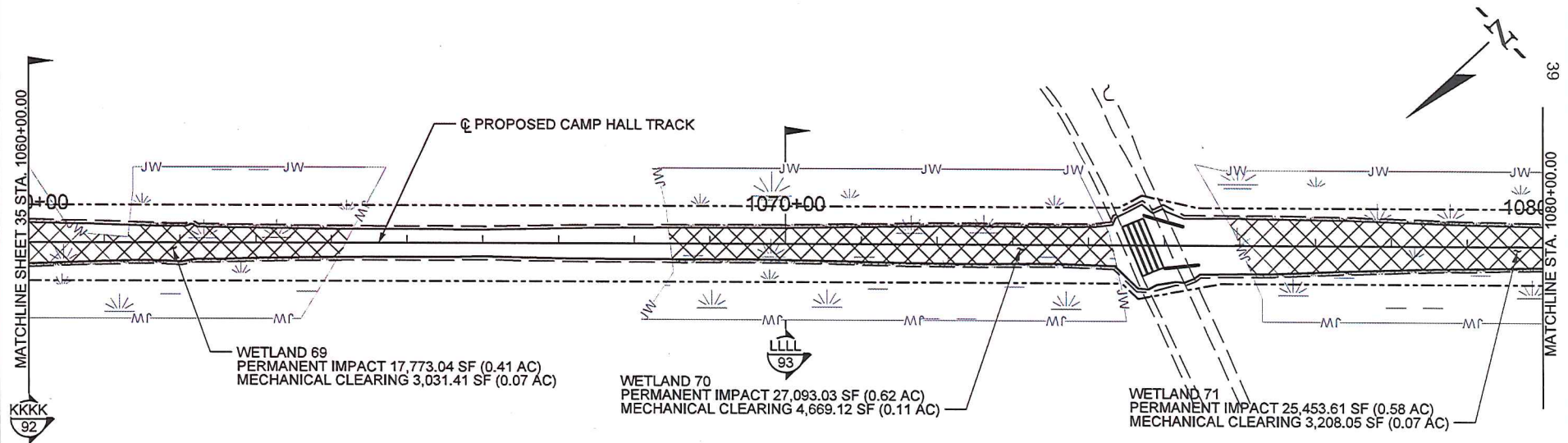
TNW/SECTION 10 WATERS  
 WETLANDS  
 CONSTRUCTION AUTHORITY  
 EXISTING ROAD  
 NON-WETLAND WATERS  
 LIMITS OF DISTURBANCE  
 PERMANENT IMPACT  
 PROPOSED ROAD  
 RIGHT-OF-WAY (ROW)

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 35 OF 106







**PERMITTED  
PLANS**



APPLICANT: PALMETTO RAILWAYS

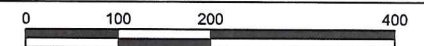


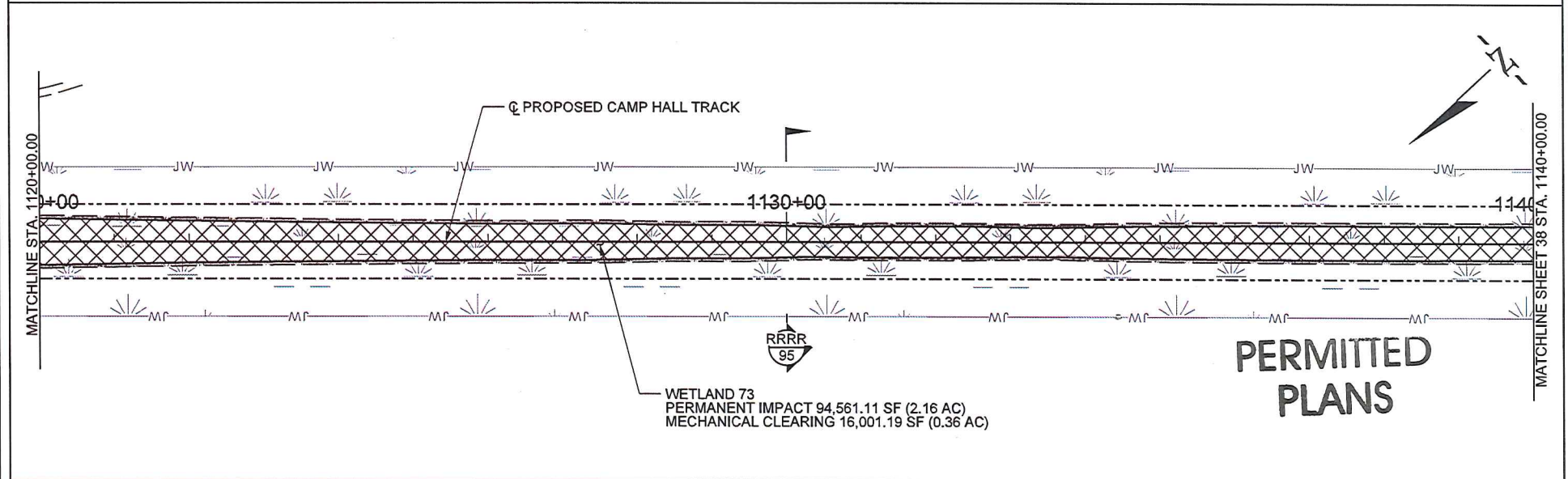
| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 166,001.85        | 3.81        |
| MECHANICAL CLEARING WETLAND IMPACT         | 26,807.98         | 0.62        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>192,809.83</b> | <b>4.43</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

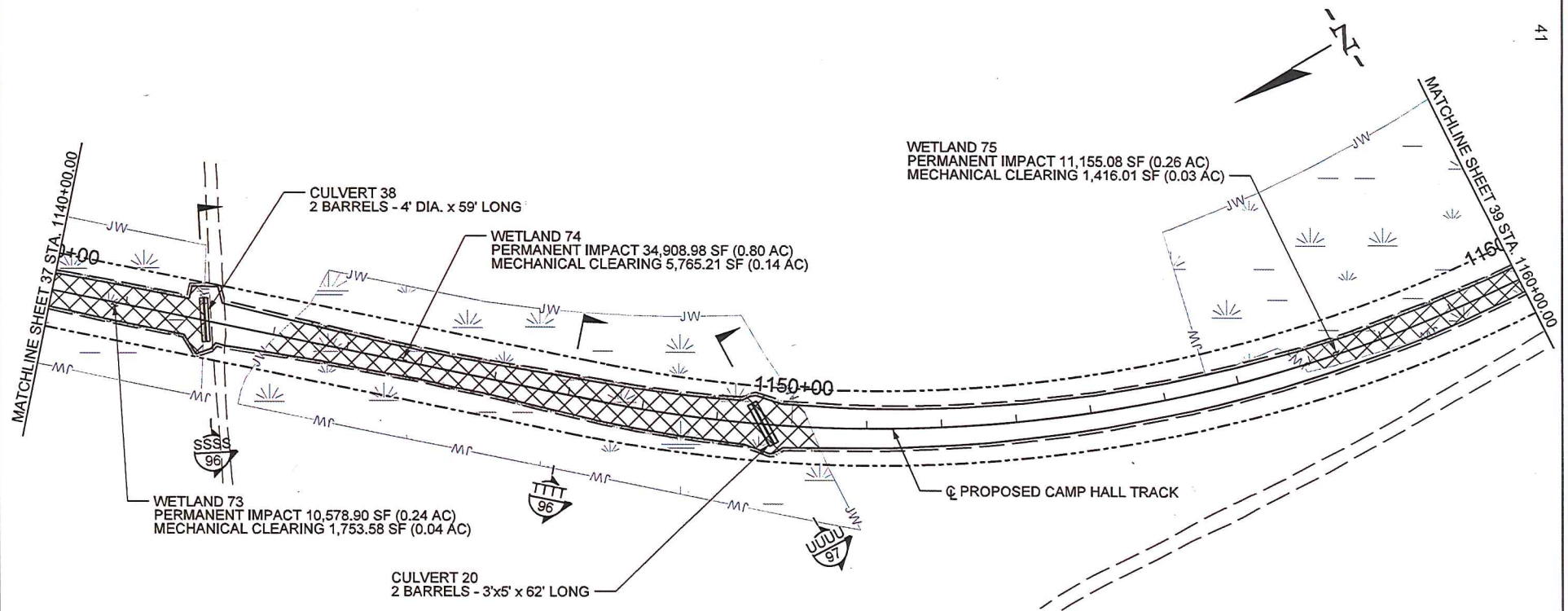
DATE: MARCH 2018 SHEET 36 OF 106





|                                                                                                                      |                                                                                     |                                                                                                                                |            |      |                                                                                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>Palmetto<br/>RAILWAYS.</div> |  | IMPACTS                                                                                                                        | SF         | AC   | <br><br>----- | TNW/SECTION 10 WATERS  | <div>PALMETTO RAILWAYS<br/>CAMP HALL RAIL PROJECT<br/>BERKELEY COUNTY, SOUTH CAROLINA<br/>APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT<br/>APPLICATION # _____ SAC-2016-01395<br/>DATE: <u>MARCH 2018</u> SHEET <u>37</u> OF <u>106</u><br/><div><div>0100200400</div></div></div> |
|                                                                                                                      |                                                                                     |  PERMANENT WETLAND IMPACT (CUT/FILL)        | 185,715.89 | 4.26 | -----                                                                                                                                                                                   | WETLANDS               |                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                      |                                                                                     |  MECHANICAL CLEARING WETLAND IMPACT         | 31,519.75  | 0.72 | -----                                                                                                                                                                                   | CONSTRUCTION AUTHORITY |                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                      |                                                                                     |  PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---        | ---  | -----                                                                                                                                                                                   | EXISTING ROAD          |                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                      |                                                                                     |  PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---        | ---  | -----                                                                                                                                                                                   | NON-WETLAND WATERS     |                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                      |                                                                                     | TOTAL IMPACTS                                                                                                                  | 217,235.64 | 4.98 | -----                                                                                                                                                                                   | LIMITS OF DISTURBANCE  |                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                      |                                                                                     |                                                                                                                                |            |      | -----                                                                                                                                                                                   | PERMANENT IMPACT       |                                                                                                                                                                                                                                                                                                                                                                          |
| APPLICANT: PALMETTO RAILWAYS                                                                                         |                                                                                     |                                                                                                                                |            |      |                                                                                                                                                                                         | PROPOSED ROAD          |                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                      |                                                                                     |                                                                                                                                |            |      |                                                                                                                                                                                         | RIGHT-OF-WAY (ROW)     |                                                                                                                                                                                                                                                                                                                                                                          |





## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS

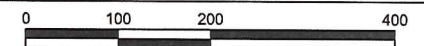


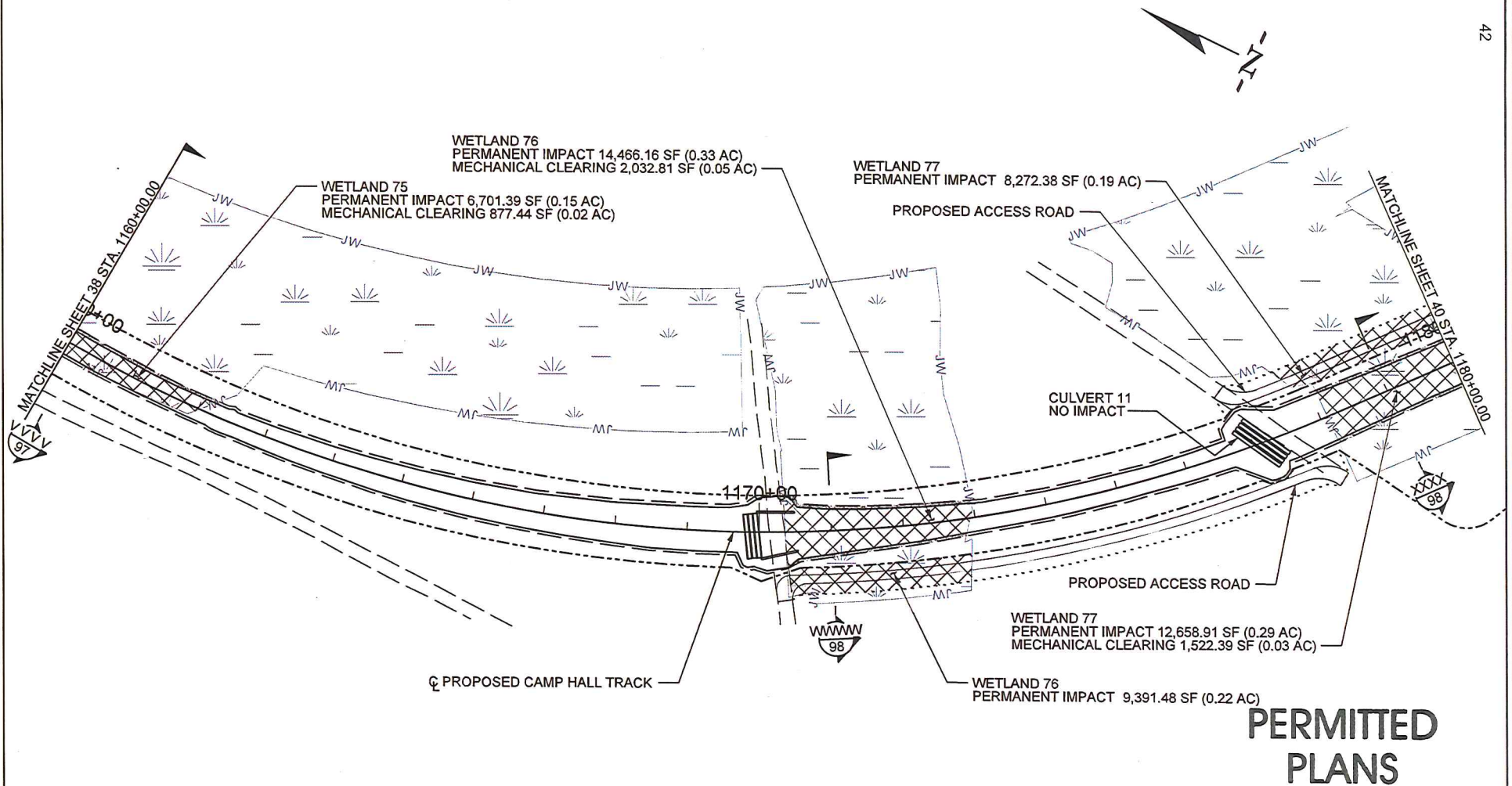
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 56,642.96        | 1.30        |
| MECHANICAL CLEARING WETLAND IMPACT         | 8,934.80         | 0.21        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>65,577.76</b> | <b>1.51</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 38 OF 106





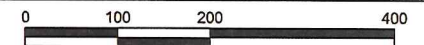
APPLICANT: PALMETTO RAILWAYS



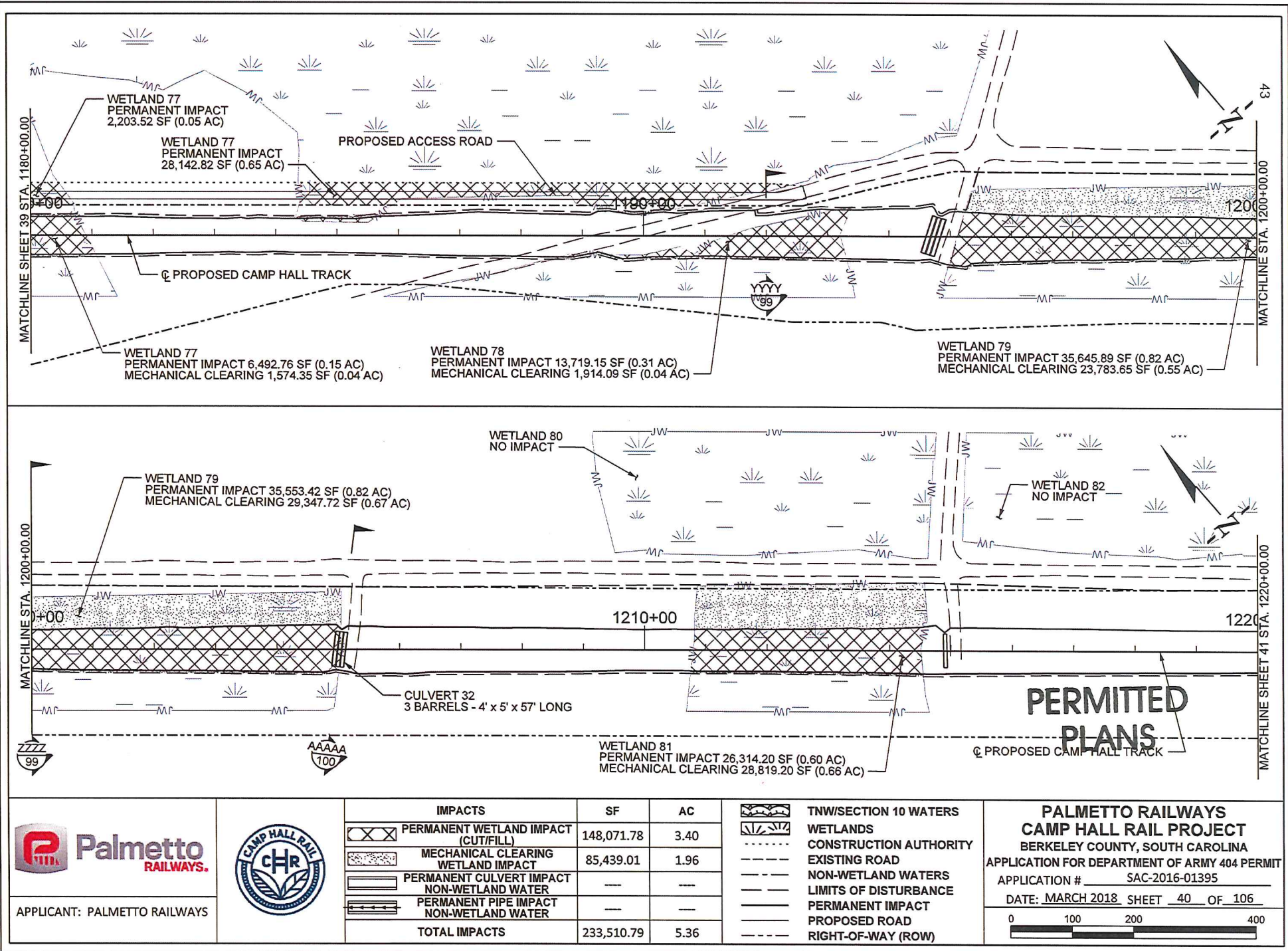
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 51,490.32        | 1.18        |
| MECHANICAL CLEARING WETLAND IMPACT         | 4,432.64         | 0.10        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>55,922.96</b> | <b>1.28</b> |

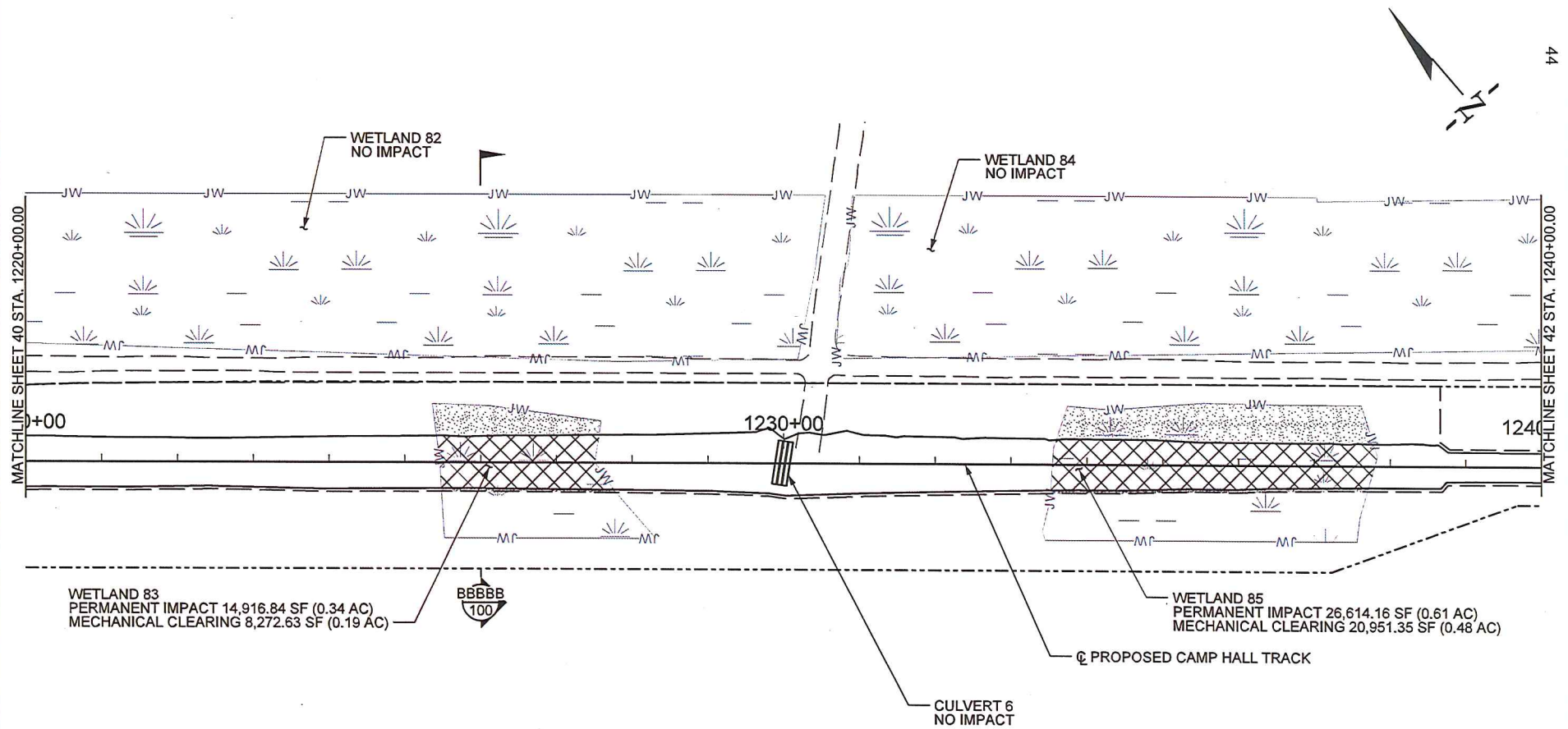
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 39 OF 106









## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS

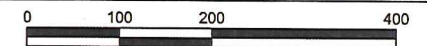


| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 41,531.00        | 0.95        |
| MECHANICAL CLEARING WETLAND IMPACT         | 29,223.98        | 0.67        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>79,754.98</b> | <b>1.62</b> |

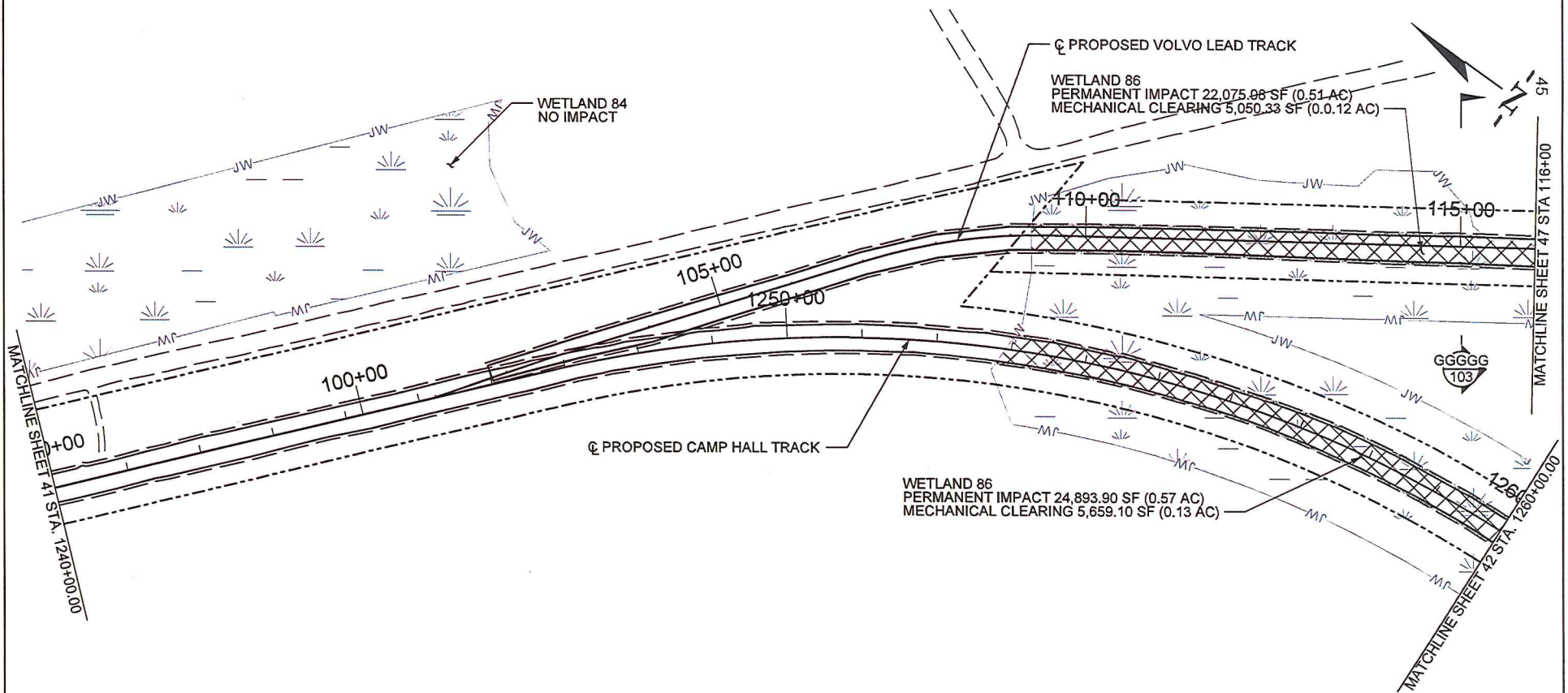
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 41 OF 106







## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS

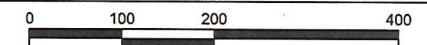


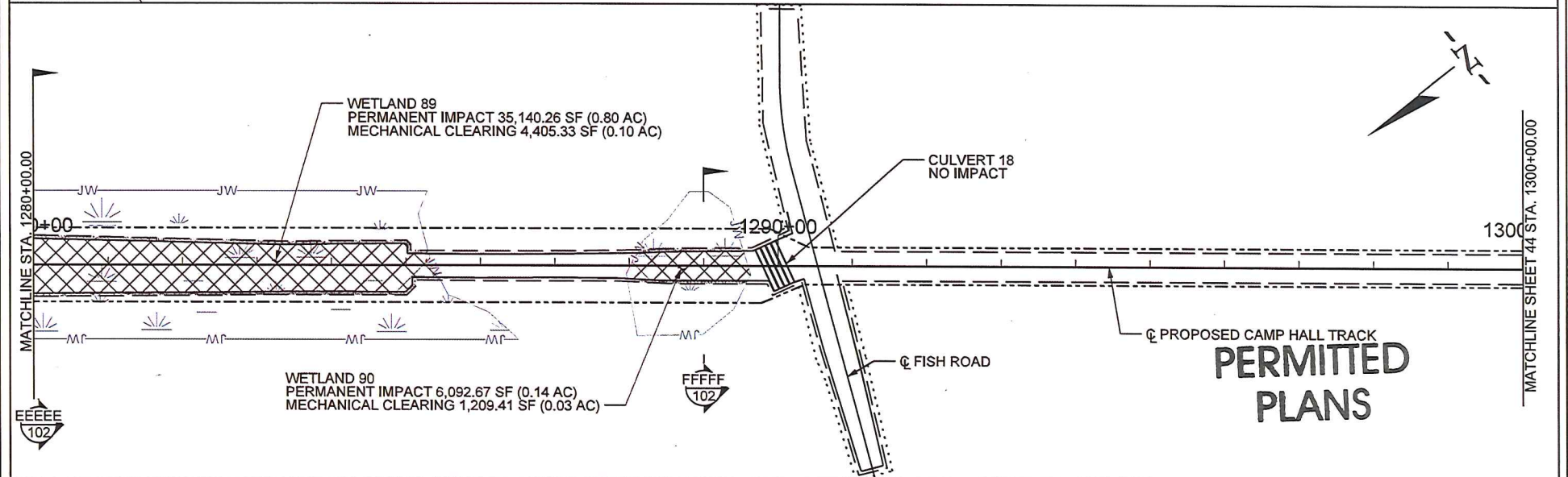
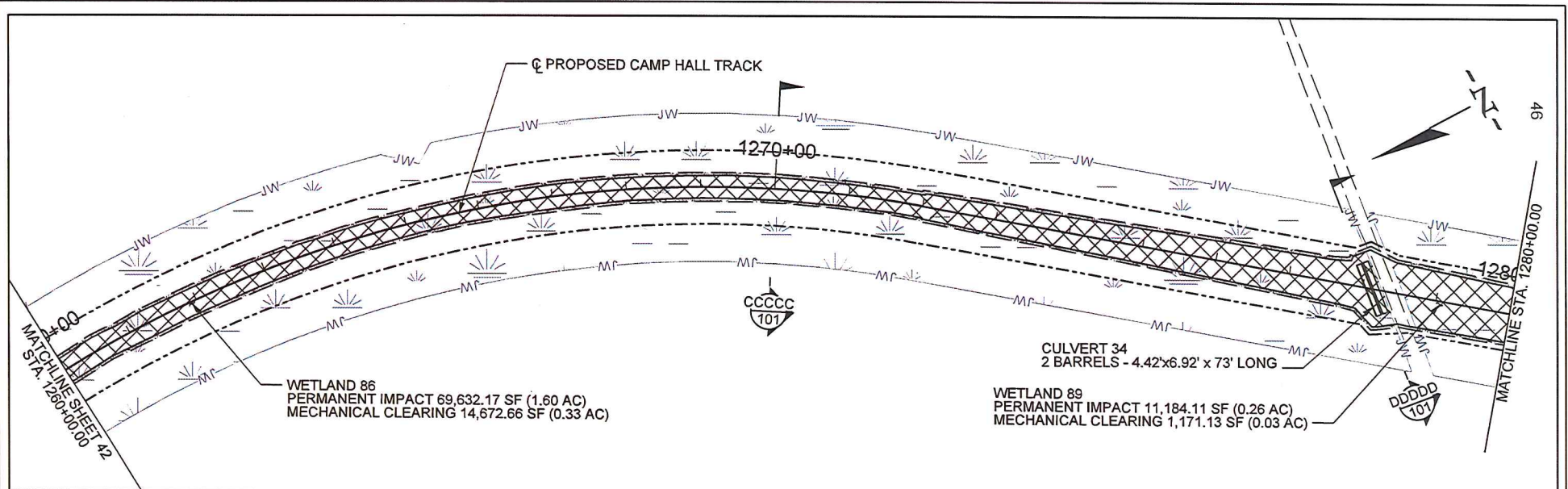
| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 46,968.98        | 1.08        |
| MECHANICAL CLEARING WETLAND IMPACT         | 10,709.73        | 0.25        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>57,678.71</b> | <b>1.33</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 42 OF 106





**PERMITTED  
PLANS**



APPLICANT: PALMETTO RAILWAYS

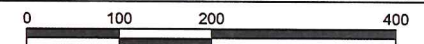


| IMPACTS                                    | SF                | AC          |
|--------------------------------------------|-------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 122,049.21        | 2.81        |
| MECHANICAL CLEARING WETLAND IMPACT         | 21,458.53         | 0.49        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---               | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---               | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>143,507.74</b> | <b>3.30</b> |

|  |                        |
|--|------------------------|
|  | T/NW/SECTION 10 WATERS |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 43 OF 106



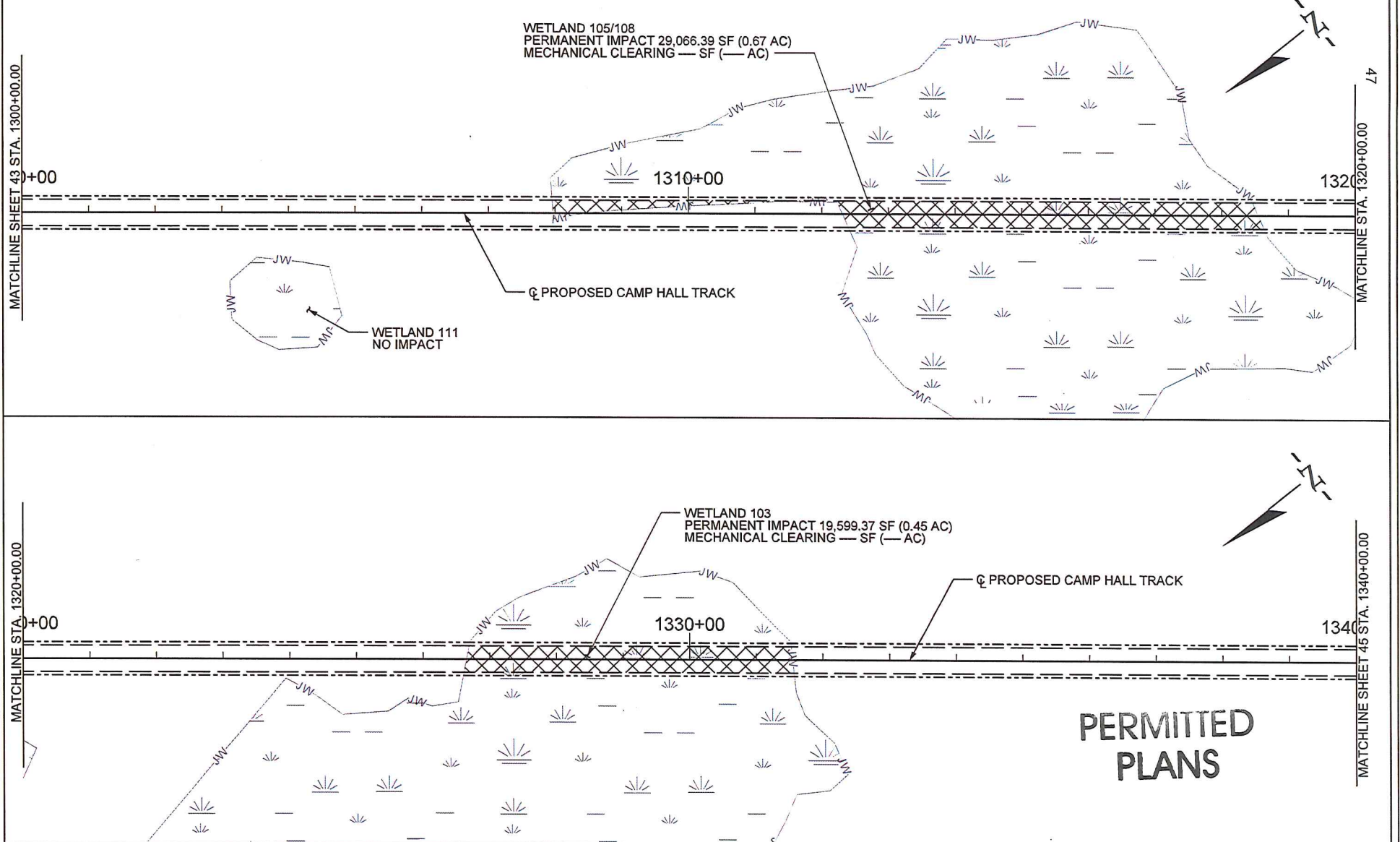


MATCHLINE SHEET 43 STA. 1300+00.00

MATCHLINE STA. 1320+00.00

MATCHLINE STA. 1320+00.00

MATCHLINE SHEET 45 STA. 1340+00.00



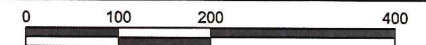
APPLICANT: PALMETTO RAILWAYS



| IMPACTS                                    | SF               | AC          |
|--------------------------------------------|------------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 48,665.76        | 1.12        |
| MECHANICAL CLEARING WETLAND IMPACT         | ---              | ---         |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---              | ---         |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---              | ---         |
| <b>TOTAL IMPACTS</b>                       | <b>48,665.76</b> | <b>1.12</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 44 OF 106



MATCHLINE SHEET 44 STA. 1340+00.00

MATCHLINE STA. 1360+00.00

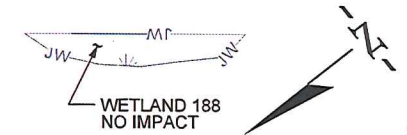
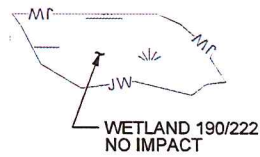
48

MATCHLINE STA. 1360+00.00

MATCHLINE SHEET 46 STA. 1380+00.00

1340+00 1350+00 1360+00

☺ PROPOSED CAMP HALL TRACK



1360+00 1370+00 1380+00

☺ PROPOSED CAMP HALL TRACK

## PERMITTED PLANS



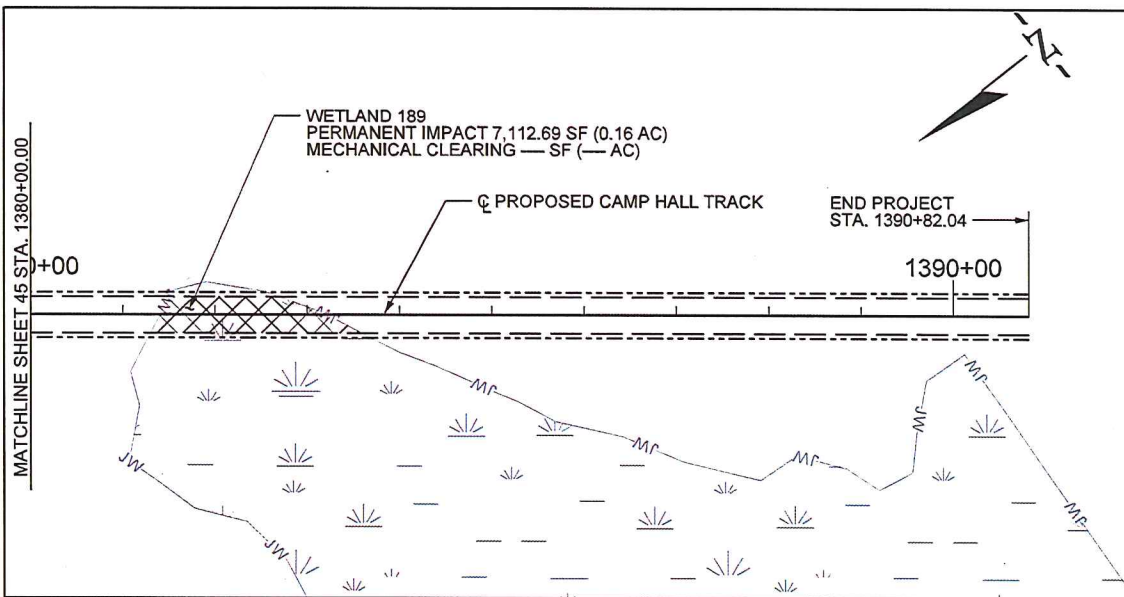
APPLICANT: PALMETTO RAILWAYS



| IMPACTS                                    | SF  | AC  |                        |  |
|--------------------------------------------|-----|-----|------------------------|--|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | --- | --- | TNW/SECTION 10 WATERS  |  |
| MECHANICAL CLEARING WETLAND IMPACT         | --- | --- | WETLANDS               |  |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --- | --- | CONSTRUCTION AUTHORITY |  |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --- | --- | EXISTING ROAD          |  |
| TOTAL IMPACTS                              | --- | --- | NON-WETLAND WATERS     |  |
|                                            |     |     | LIMITS OF DISTURBANCE  |  |
|                                            |     |     | PERMANENT IMPACT       |  |
|                                            |     |     | PROPOSED ROAD          |  |
|                                            |     |     | RIGHT-OF-WAY (ROW)     |  |

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 45 OF 106

0 100 200 400



49

## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS



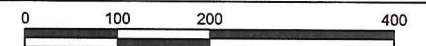
| IMPACTS                                    | SF              | AC          |
|--------------------------------------------|-----------------|-------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | 7,112.69        | 0.16        |
| MECHANICAL CLEARING WETLAND IMPACT         | —               | —           |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | —               | —           |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | —               | —           |
| <b>TOTAL IMPACTS</b>                       | <b>7,112.69</b> | <b>0.16</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

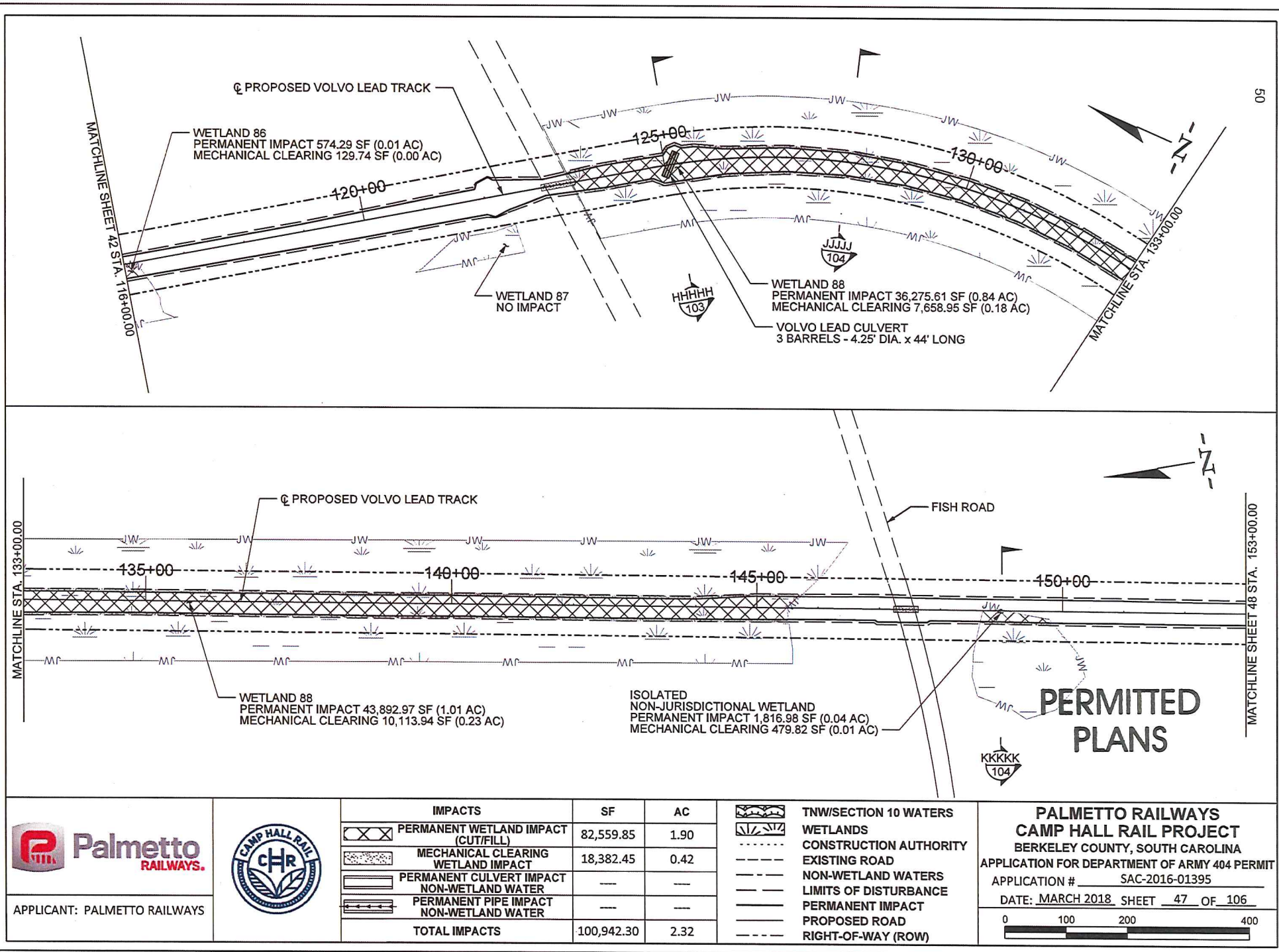
**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

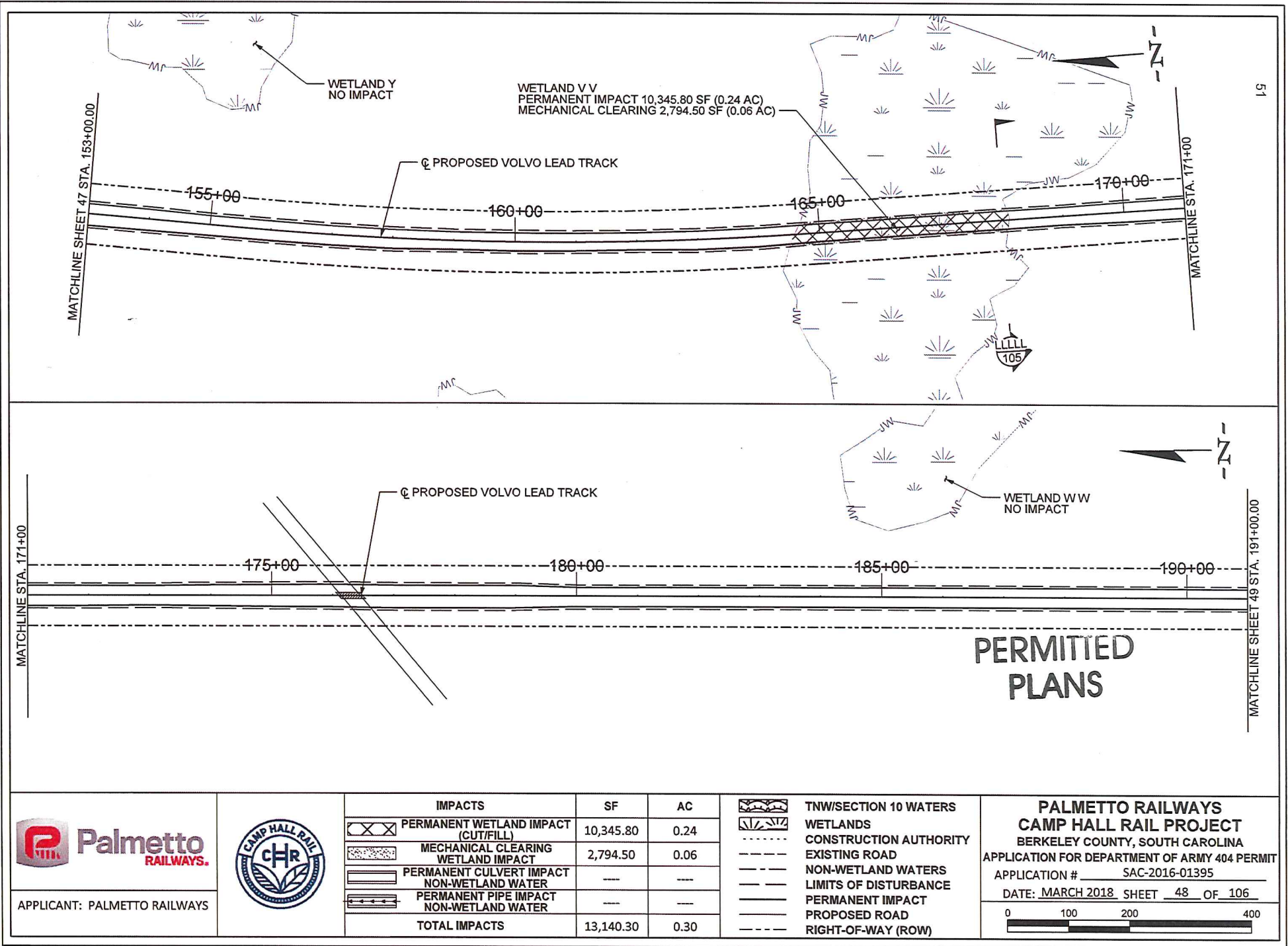
DATE: MARCH 2018 SHEET 46 OF 106

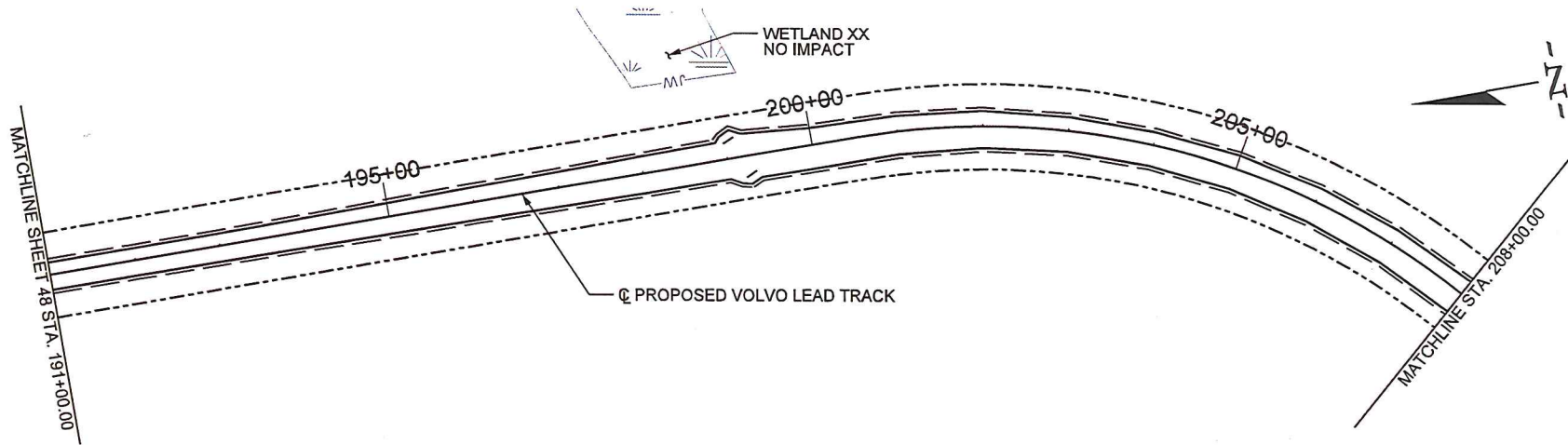




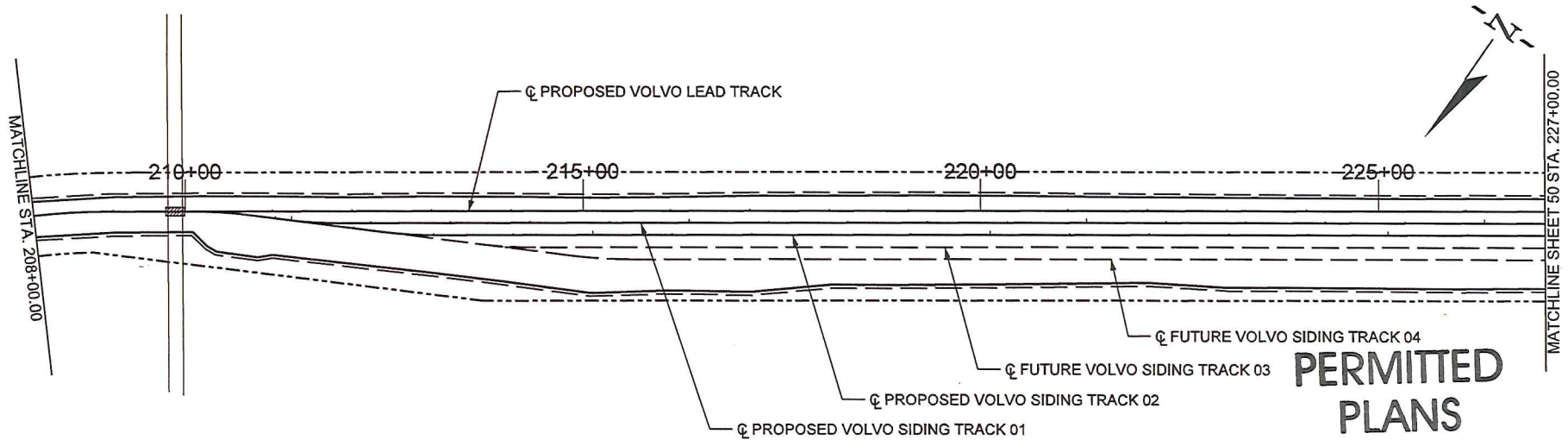








52



## PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS



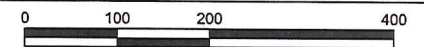
| IMPACTS                                    | SF  | AC  |
|--------------------------------------------|-----|-----|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | --- | --- |
| MECHANICAL CLEARING WETLAND IMPACT         | --- | --- |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --- | --- |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --- | --- |
| TOTAL IMPACTS                              | --- | --- |

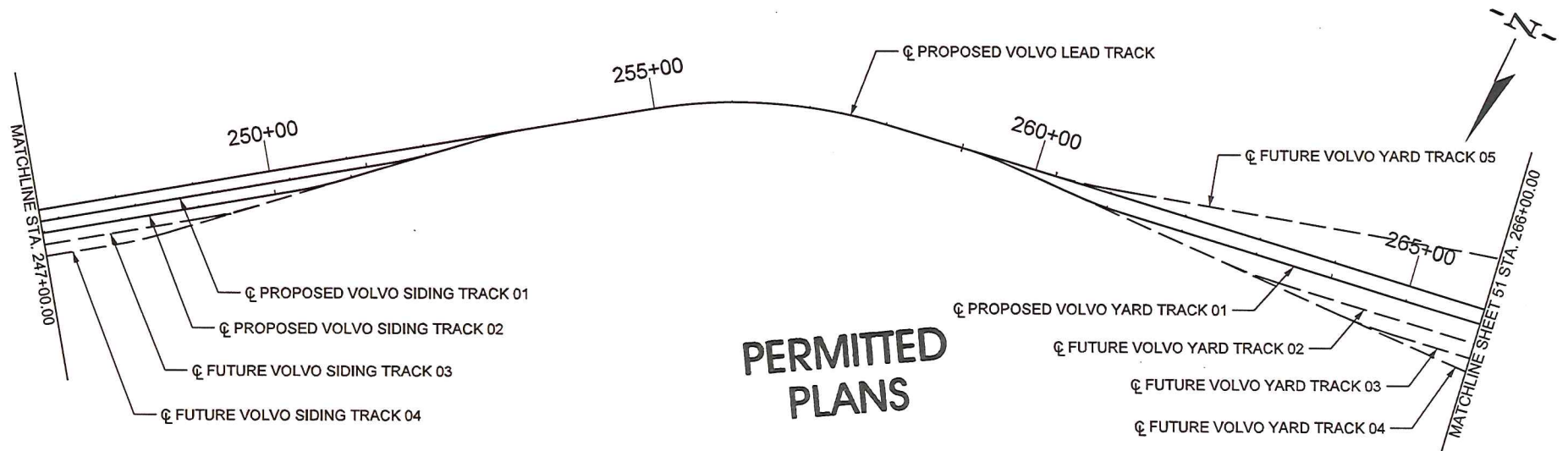
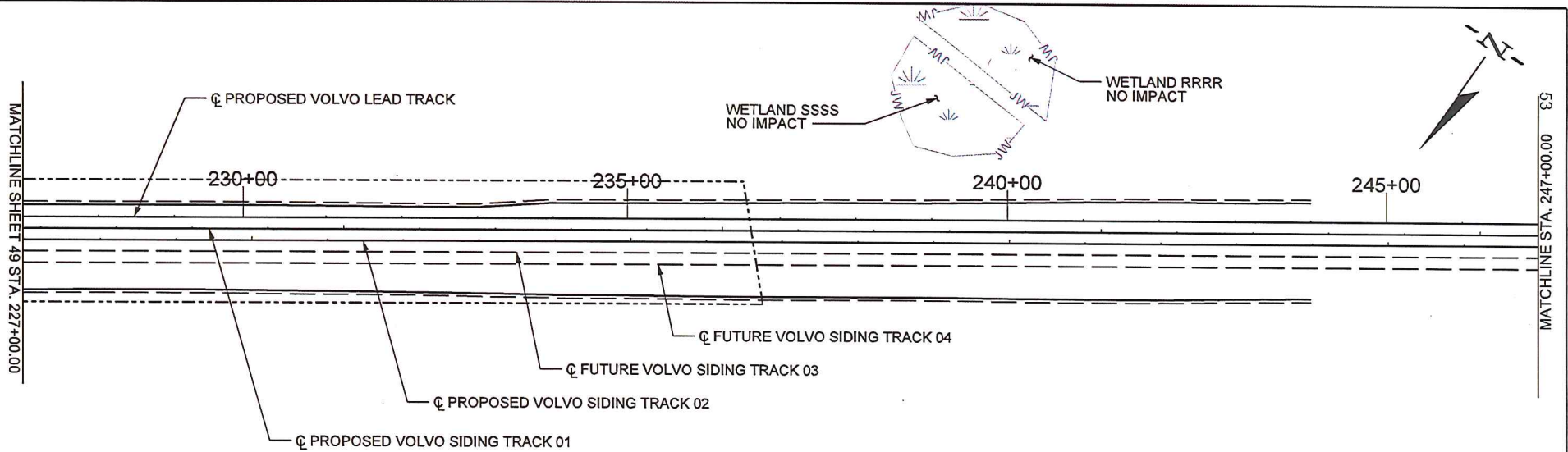
|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 49 OF 106





APPLICANT: PALMETTO RAILWAYS



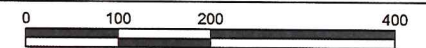
| IMPACTS                                    | SF         | AC         |
|--------------------------------------------|------------|------------|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | ---        | ---        |
| MECHANICAL CLEARING WETLAND IMPACT         | ---        | ---        |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | ---        | ---        |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | ---        | ---        |
| <b>TOTAL IMPACTS</b>                       | <b>---</b> | <b>---</b> |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

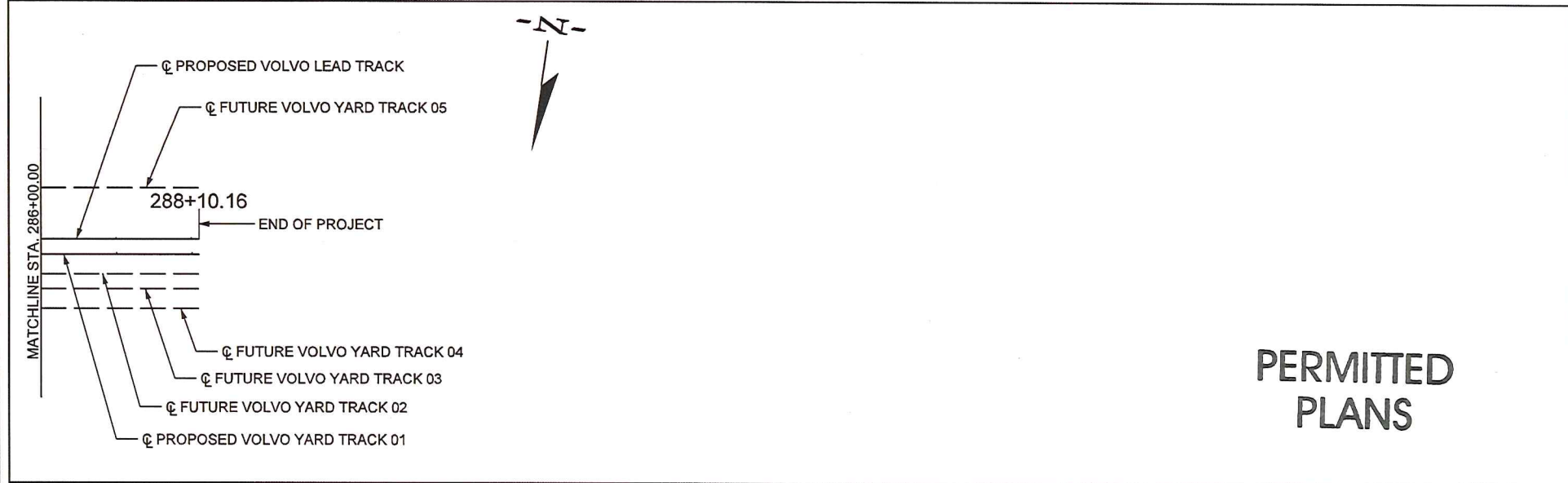
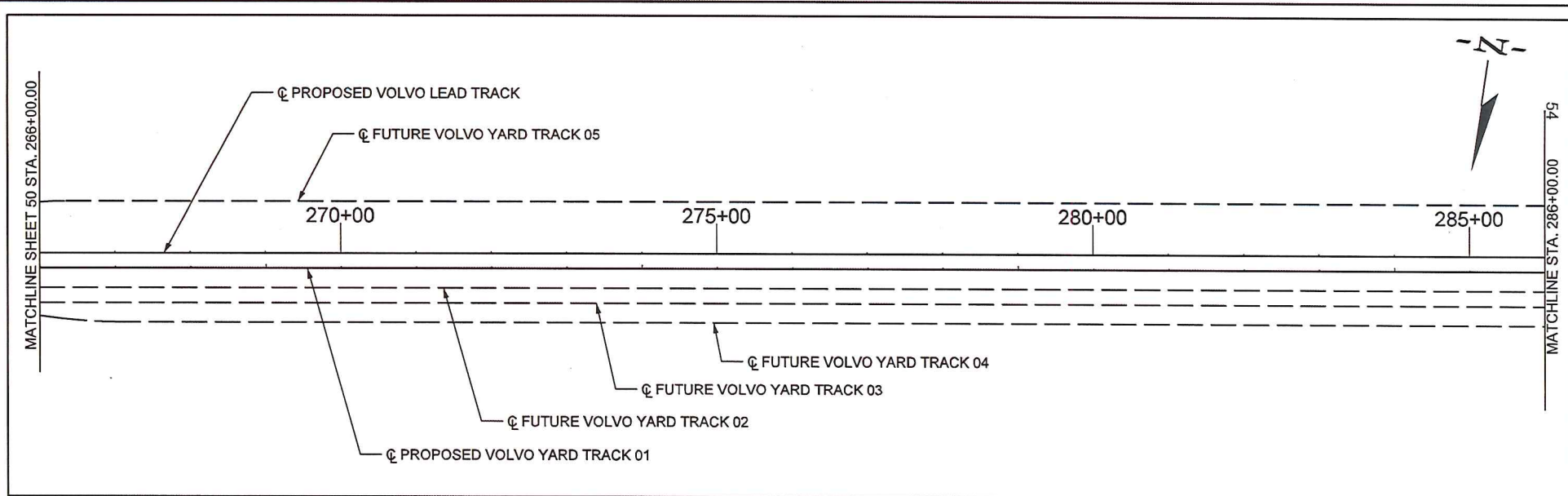
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 50 OF 106







## PERMITTED PLANS



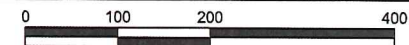
APPLICANT: PALMETTO RAILWAYS



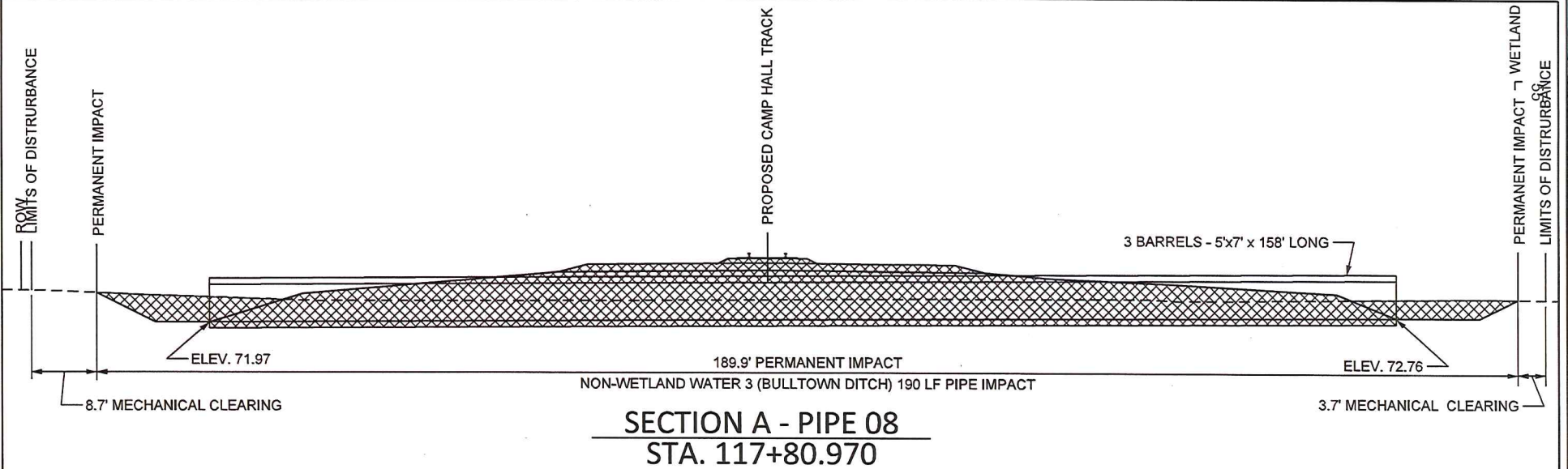
| IMPACTS                                    | SF  | AC  |
|--------------------------------------------|-----|-----|
| PERMANENT WETLAND IMPACT (CUT/FILL)        | --- | --- |
| MECHANICAL CLEARING WETLAND IMPACT         | --- | --- |
| PERMANENT CULVERT IMPACT NON-WETLAND WATER | --- | --- |
| PERMANENT PIPE IMPACT NON-WETLAND WATER    | --- | --- |
| TOTAL IMPACTS                              | --- | --- |

|  |                        |
|--|------------------------|
|  | TNW/SECTION 10 WATERS  |
|  | WETLANDS               |
|  | CONSTRUCTION AUTHORITY |
|  | EXISTING ROAD          |
|  | NON-WETLAND WATERS     |
|  | LIMITS OF DISTURBANCE  |
|  | PERMANENT IMPACT       |
|  | PROPOSED ROAD          |
|  | RIGHT-OF-WAY (ROW)     |

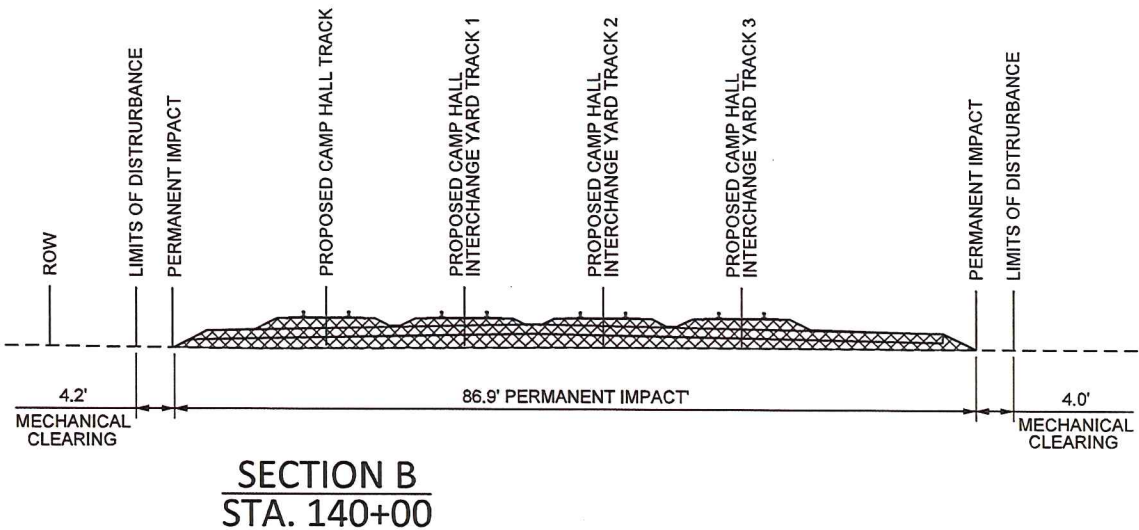
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 51 OF 106







**PERMITTED  
PLANS**

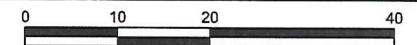


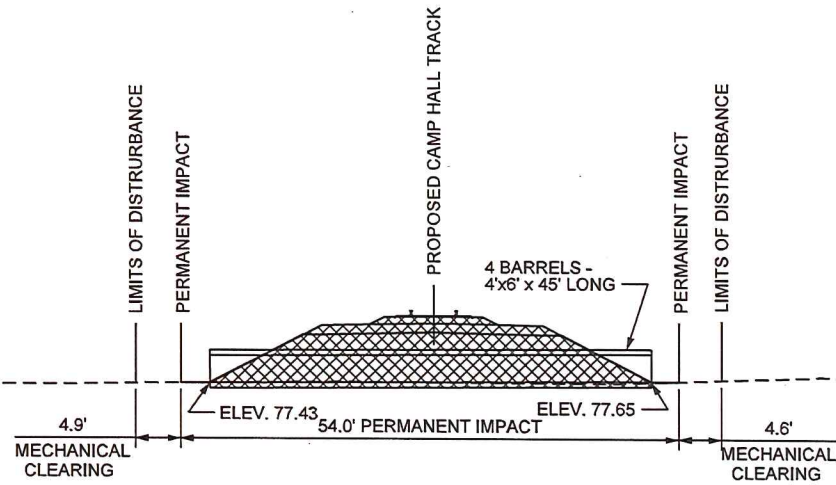
APPLICANT: PALMETTO RAILWAYS



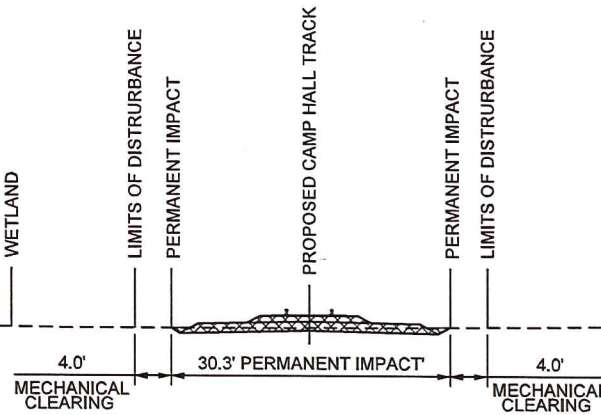
# CROSS SECTION SHEET 1 OF 54

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 52 OF 106





**SECTION C - CULVERT 10**  
**STA. 190+21.27**



**SECTION D**  
**STA. 197+00**

**PERMITTED  
 PLANS**

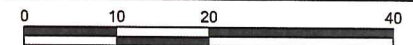


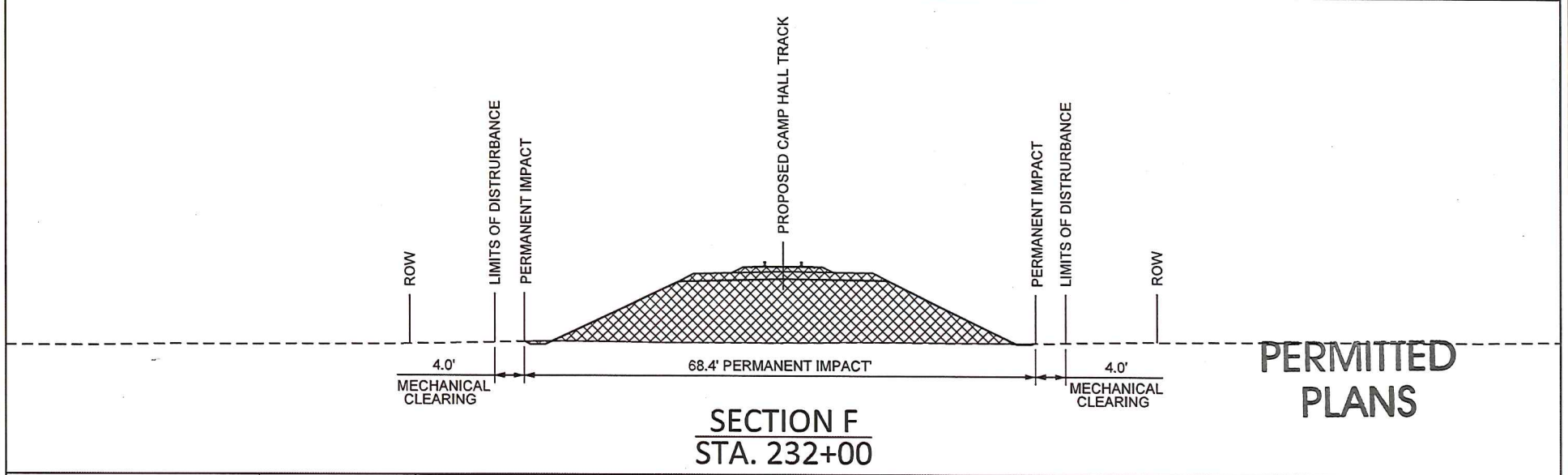
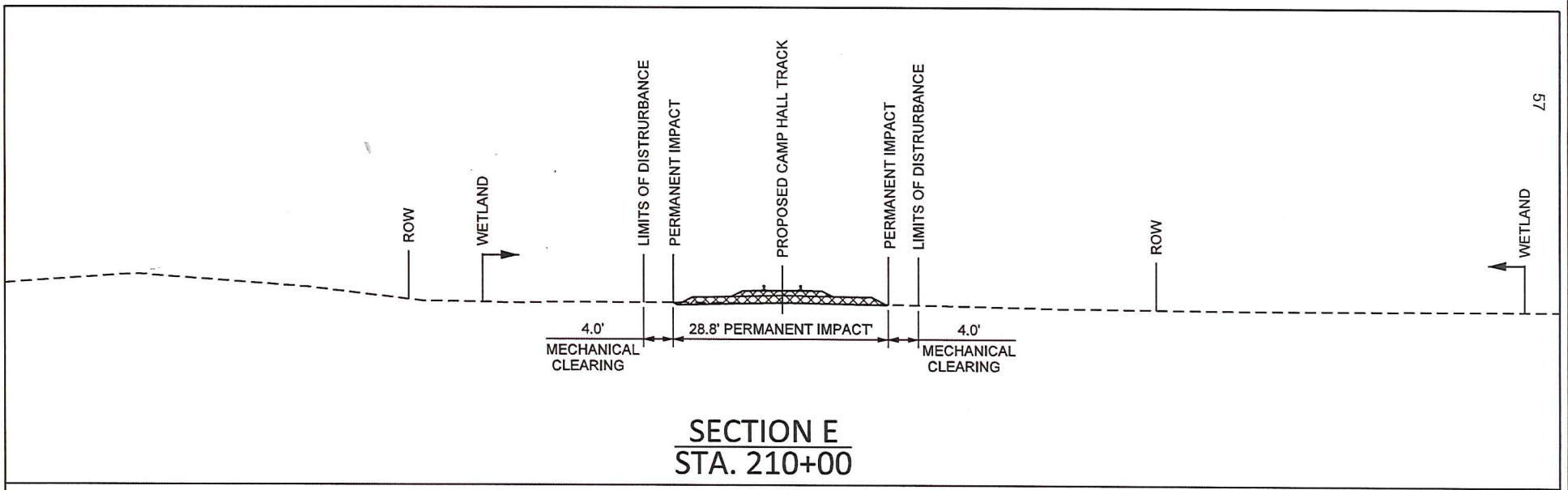
APPLICANT: PALMETTO RAILWAYS



# CROSS SECTION SHEET 2 OF 54

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 53 OF 106





**PERMITTED  
PLANS**

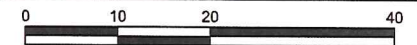
# CROSS SECTION SHEET 3 OF 54



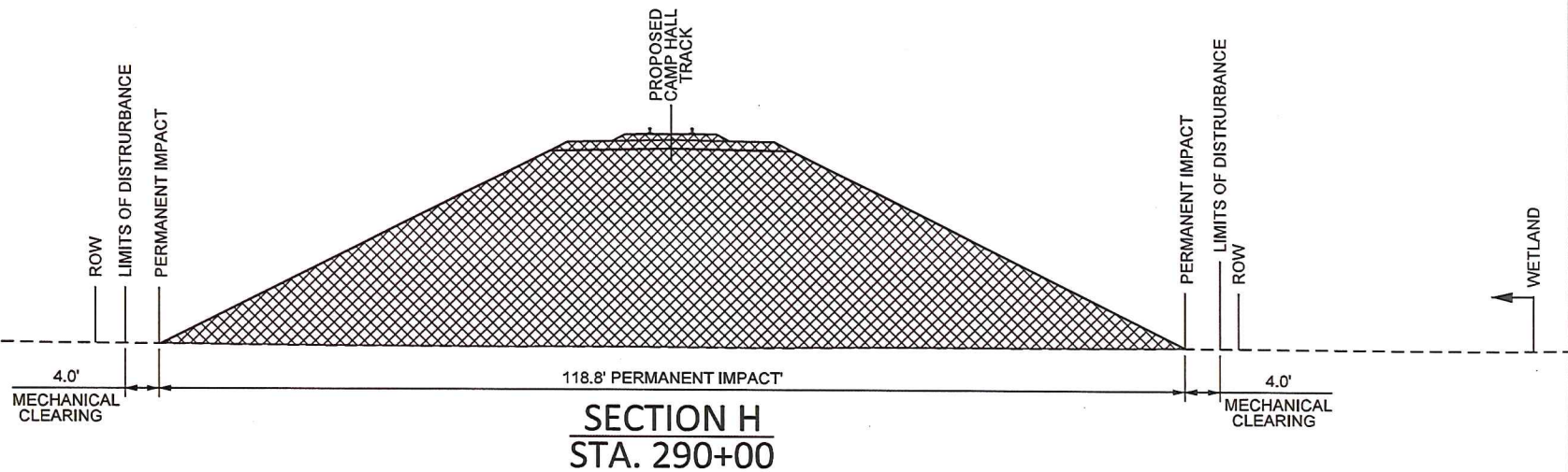
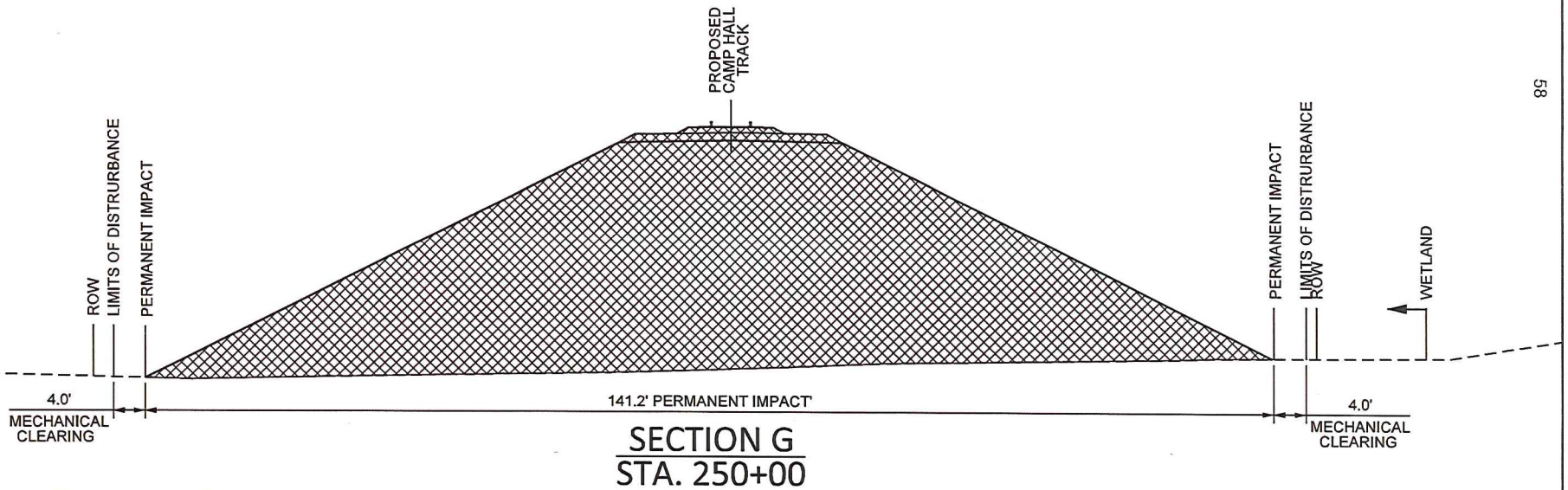
APPLICANT: PALMETTO RAILWAYS



**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 54 OF 106





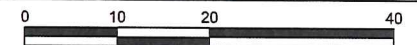


APPLICANT: PALMETTO RAILWAYS



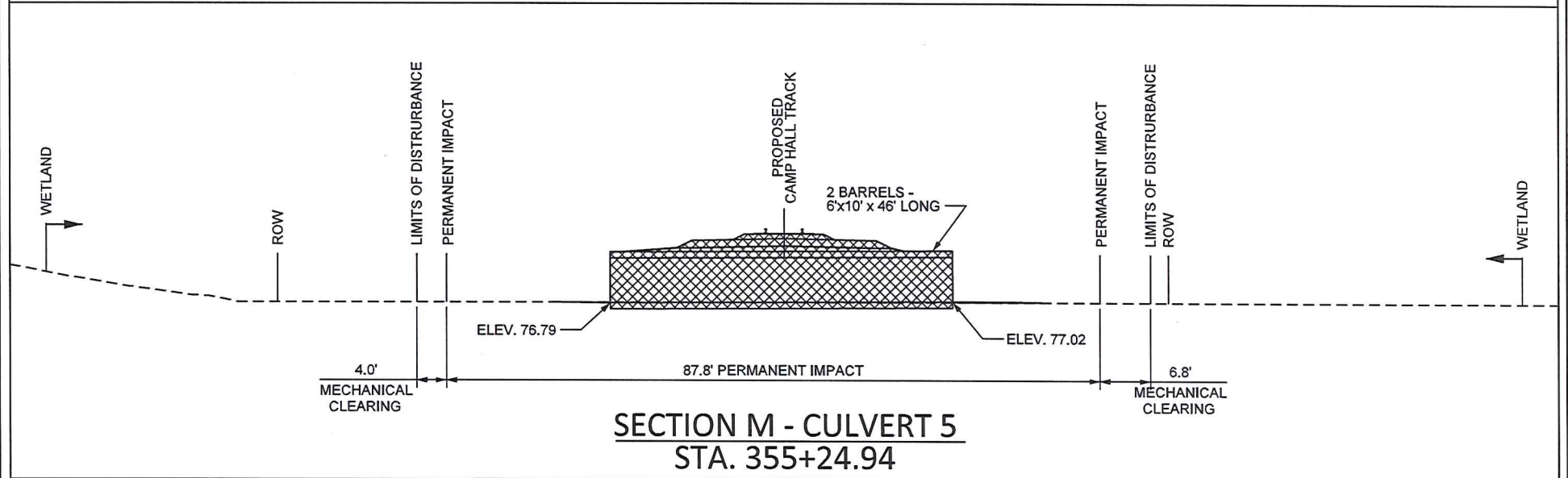
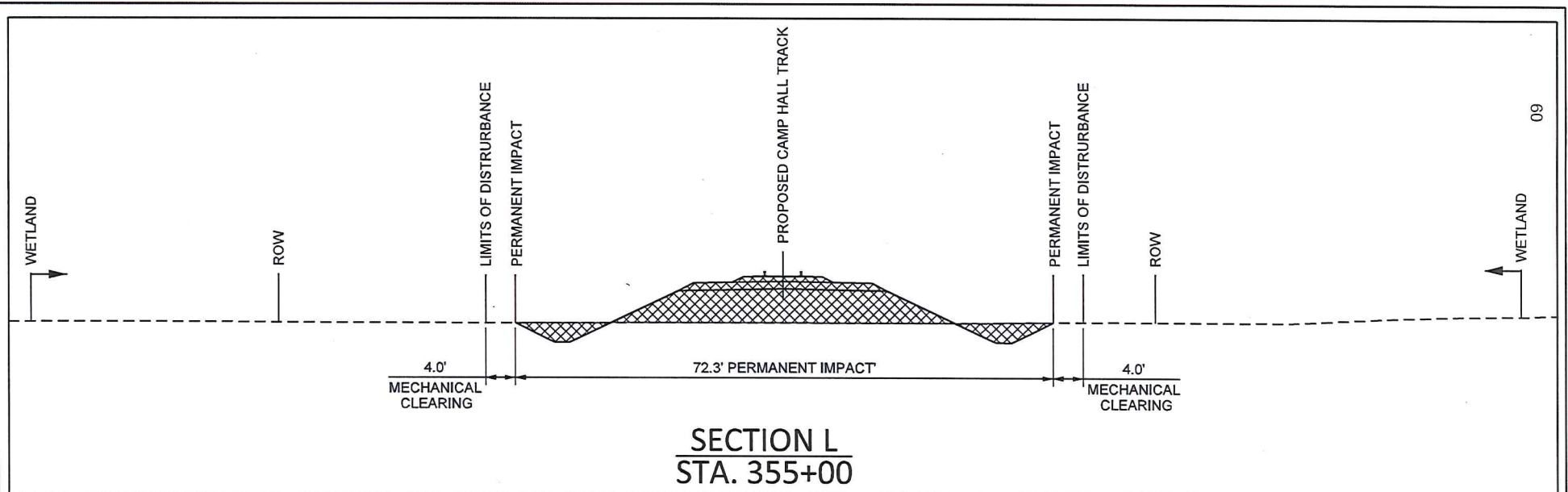
# CROSS SECTION SHEET 4 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 55 OF 106









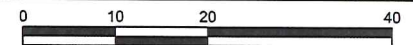
APPLICANT: PALMETTO RAILWAYS



# CROSS SECTION SHEET 6 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 57 OF 106



WETLAND

ROW

LIMITS OF DISTURBANCE  
PERMANENT IMPACT4.0'  
MECHANICAL  
CLEARING

75.4' PERMANENT IMPACT

PERMANENT IMPACT  
LIMITS OF DISTURBANCE4.0'  
MECHANICAL  
CLEARING

ROW

WETLAND

61

SECTION N  
STA. 358+00WETLAND  
ROWLIMITS OF DISTURBANCE  
PERMANENT IMPACT3.6'  
MECHANICAL  
CLEARING

53.9' PERMANENT IMPACT

PERMANENT IMPACT  
LIMITS OF DISTURBANCE4.0'  
MECHANICAL  
CLEARING

ROW

WETLAND

SECTION P  
STA. 370+00

APPLICANT: PALMETTO RAILWAYS

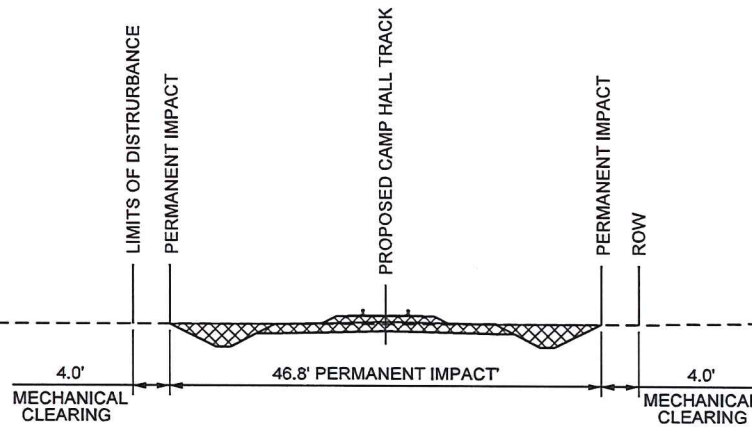
CROSS SECTION SHEET 7 OF 54  
PERMITTED  
PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

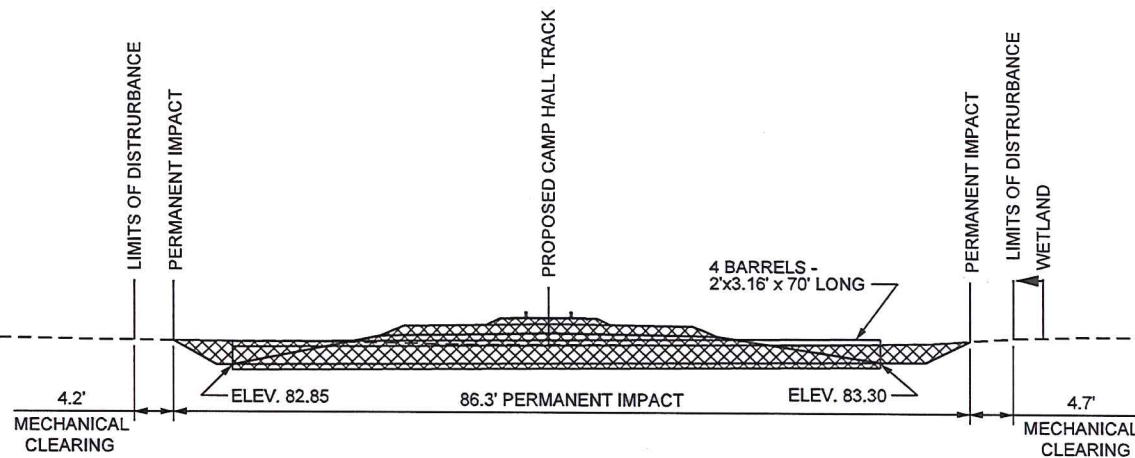
APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 58 OF 106

0 10 20 40



**SECTION Q**  
**STA. 399+00**



**SECTION R - CULVERT 26B**  
**STA. 403+03.15**

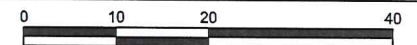


APPLICANT: PALMETTO RAILWAYS

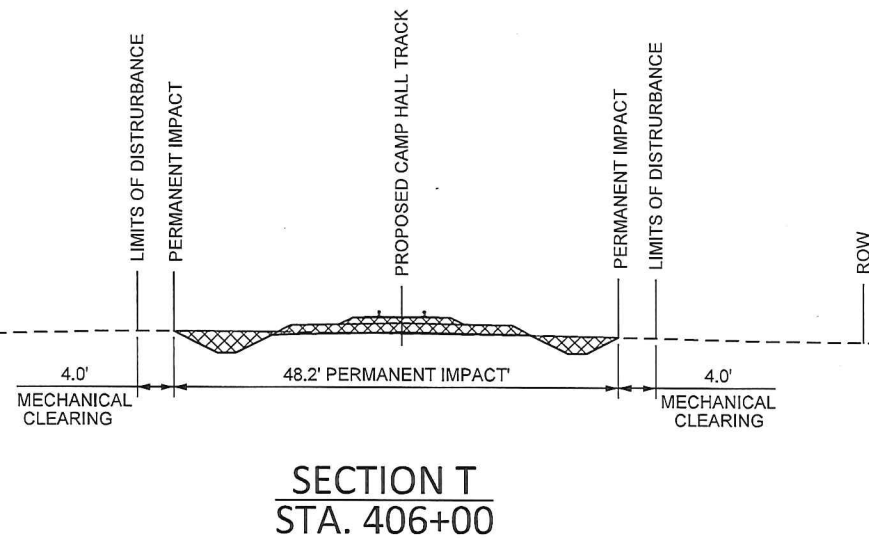
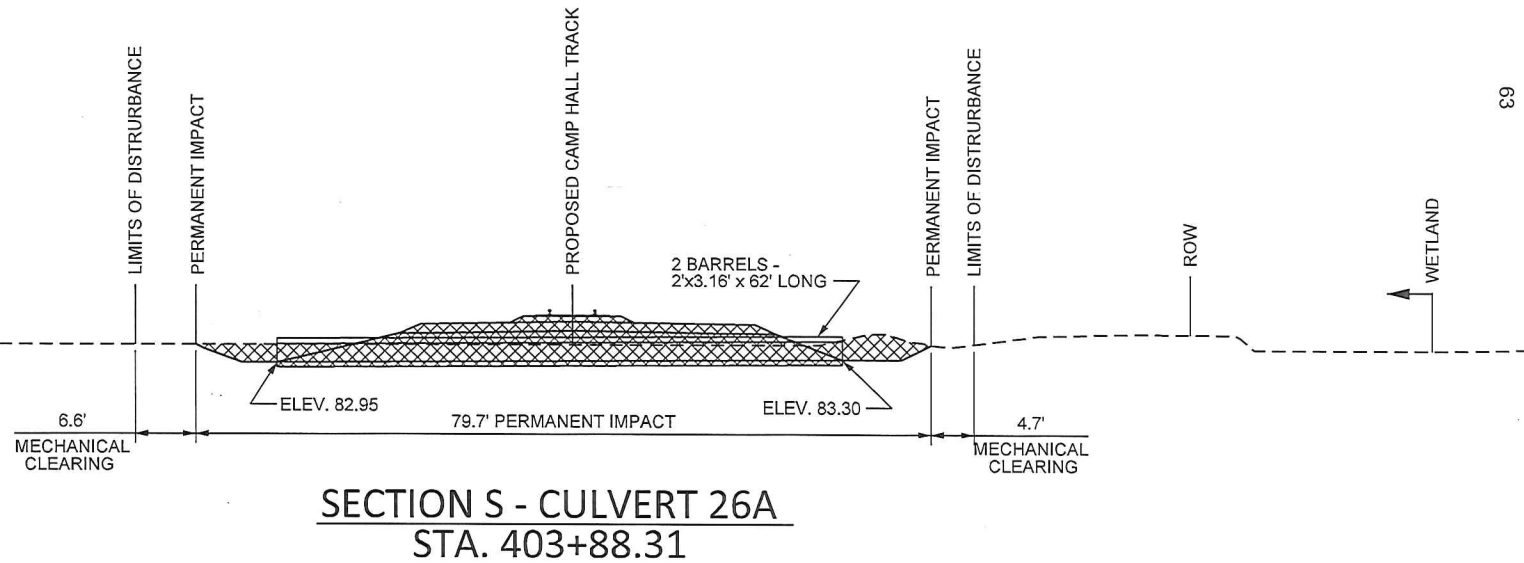


**CROSS SECTION SHEET 8 OF 54**  
**PERMITTED PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 59 OF 106







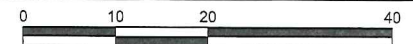
APPLICANT: PALMETTO RAILWAYS

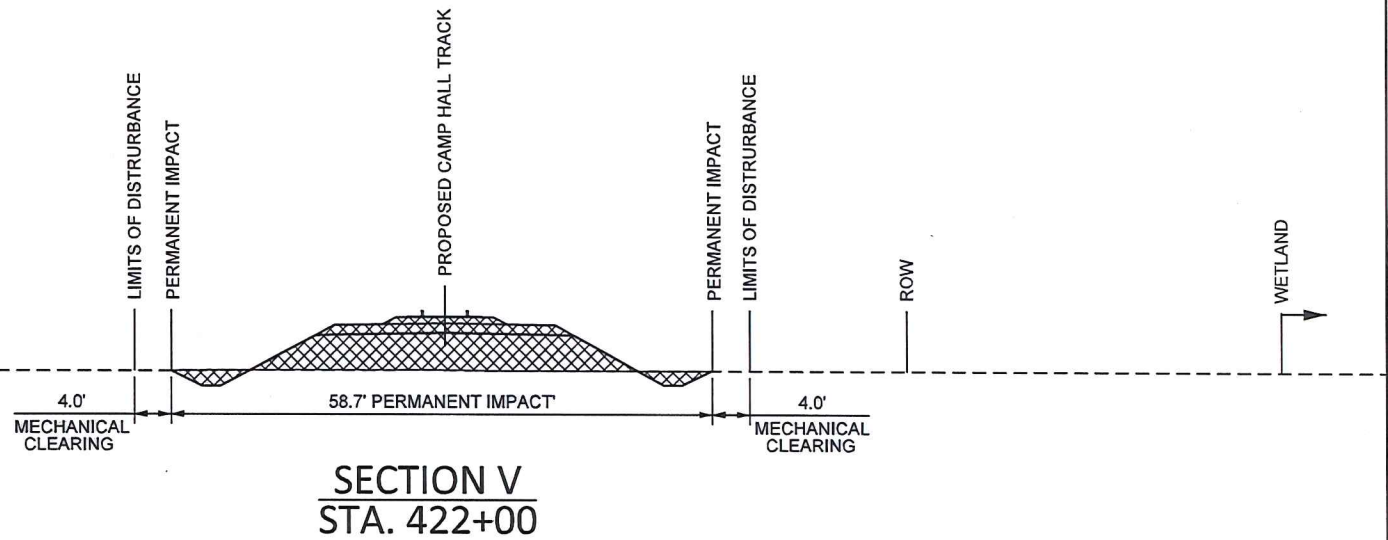
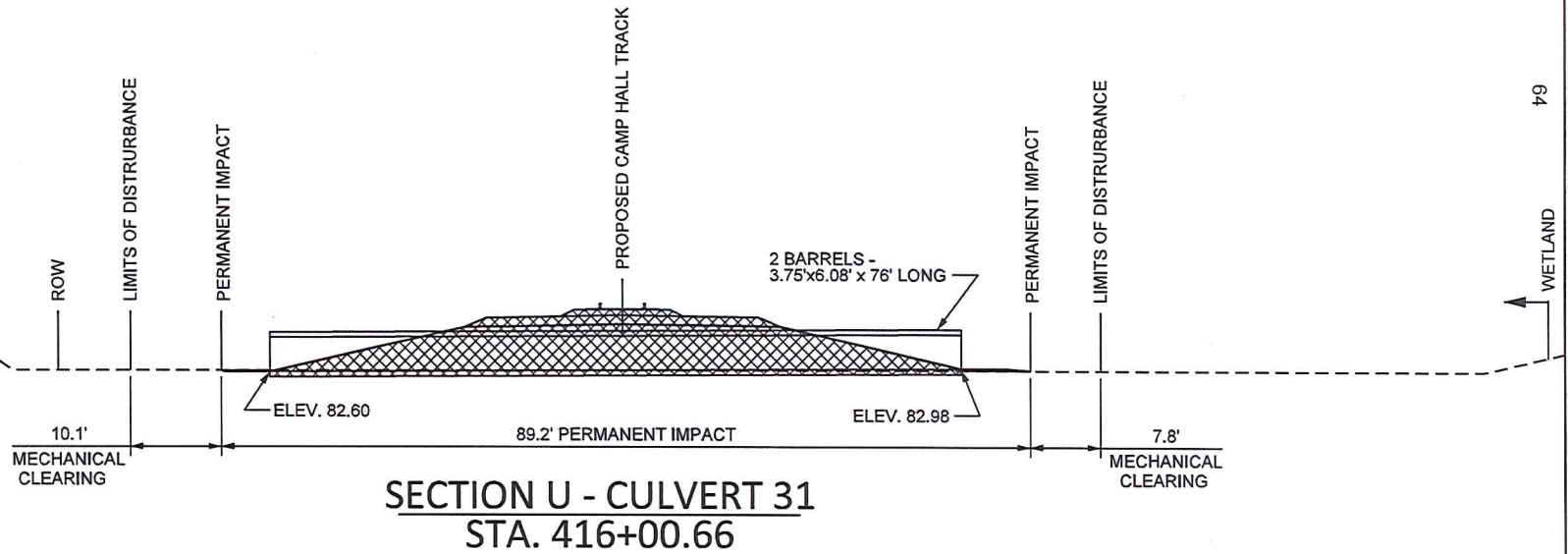


# CROSS SECTION SHEET 9 OF 54

## PERMITTED PLANS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: JULY 2018 SHEET 60 OF 106



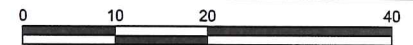


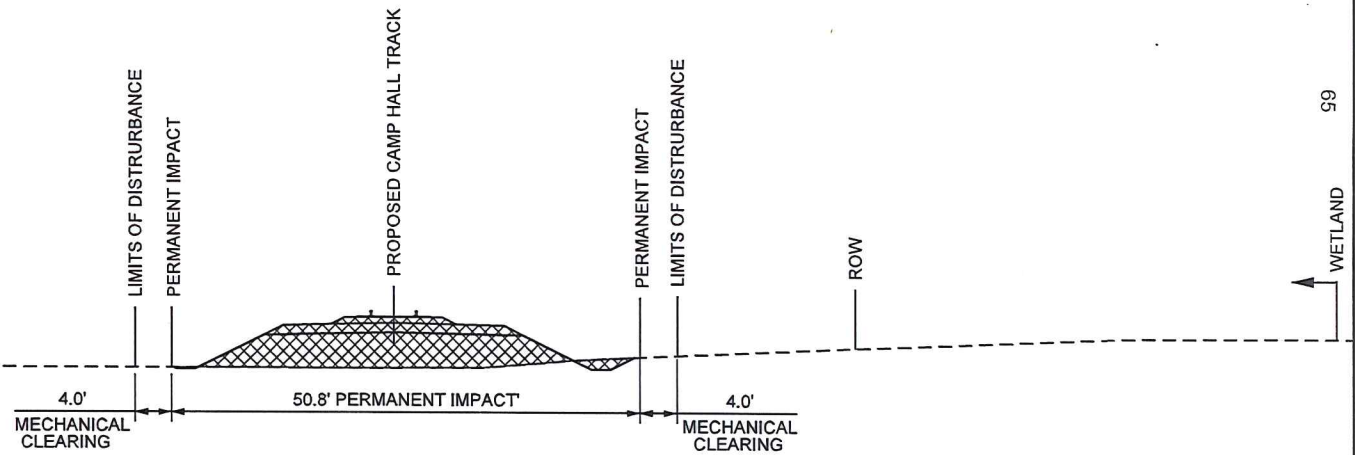
APPLICANT: PALMETTO RAILWAYS



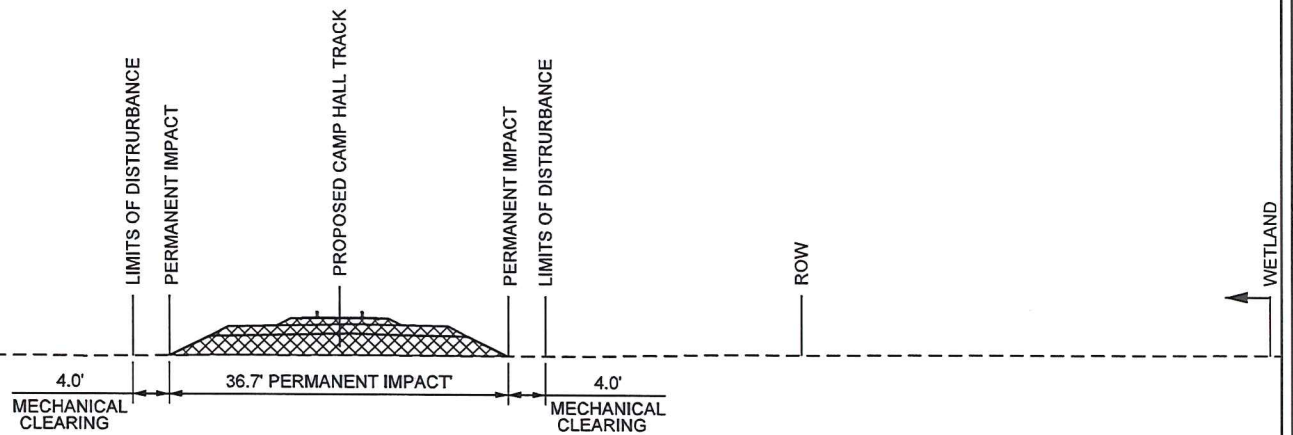
# CROSS SECTION SHEET 10 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 61 OF 106





**SECTION W**  
**STA. 432+00**



**SECTION X**  
**STA. 450+00**

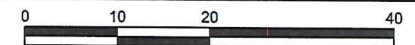


APPLICANT: PALMETTO RAILWAYS



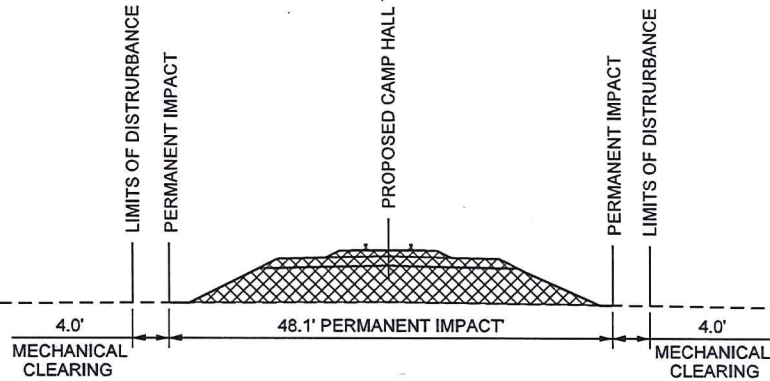
**CROSS SECTION SHEET 11 OF XX**  
**PERMITTED**  
**PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 62 OF 106



WETLAND

ROW

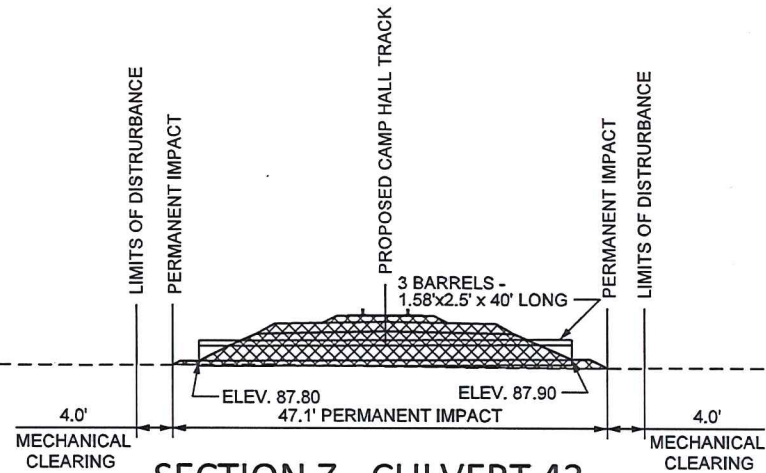


### SECTION Y STA. 464+00

99

WETLAND

ROW



### SECTION Z - CULVERT 43 STA. 466+48.36

WETLAND

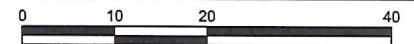


APPLICANT: PALMETTO RAILWAYS

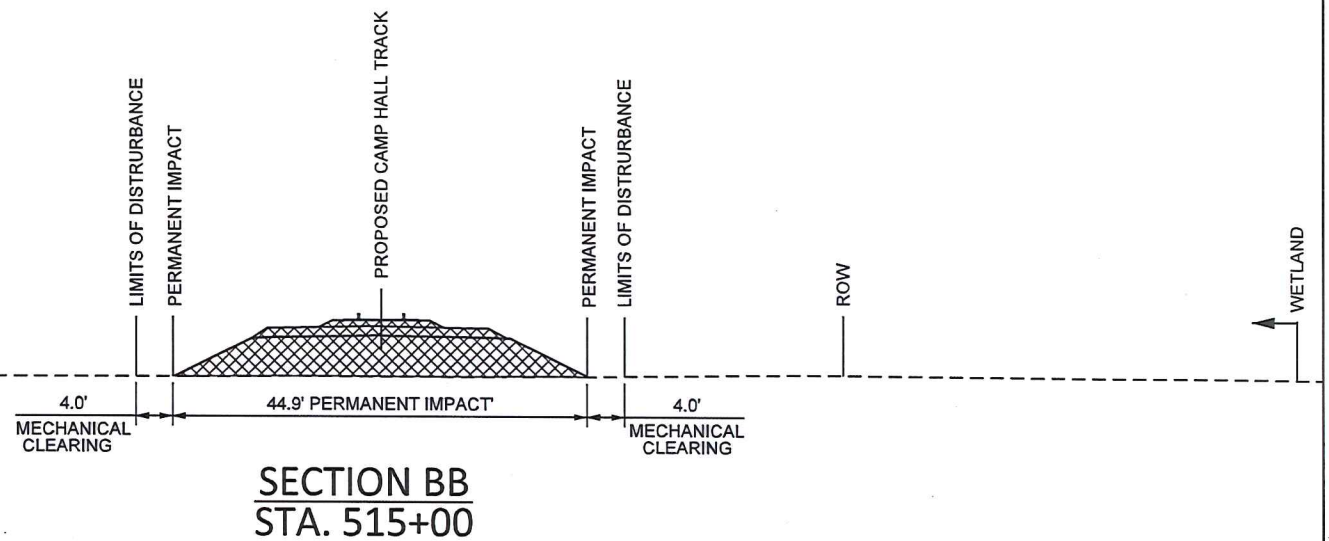
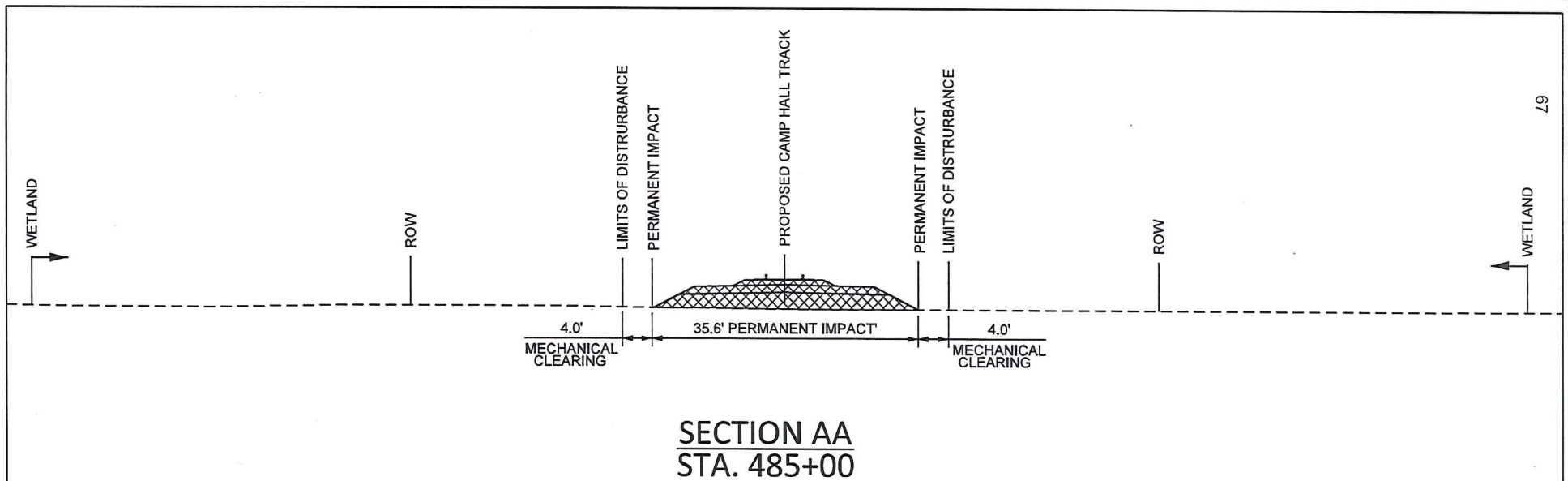


## CROSS SECTION SHEET 12 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 63 OF 106







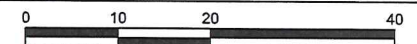
APPLICANT: PALMETTO RAILWAYS

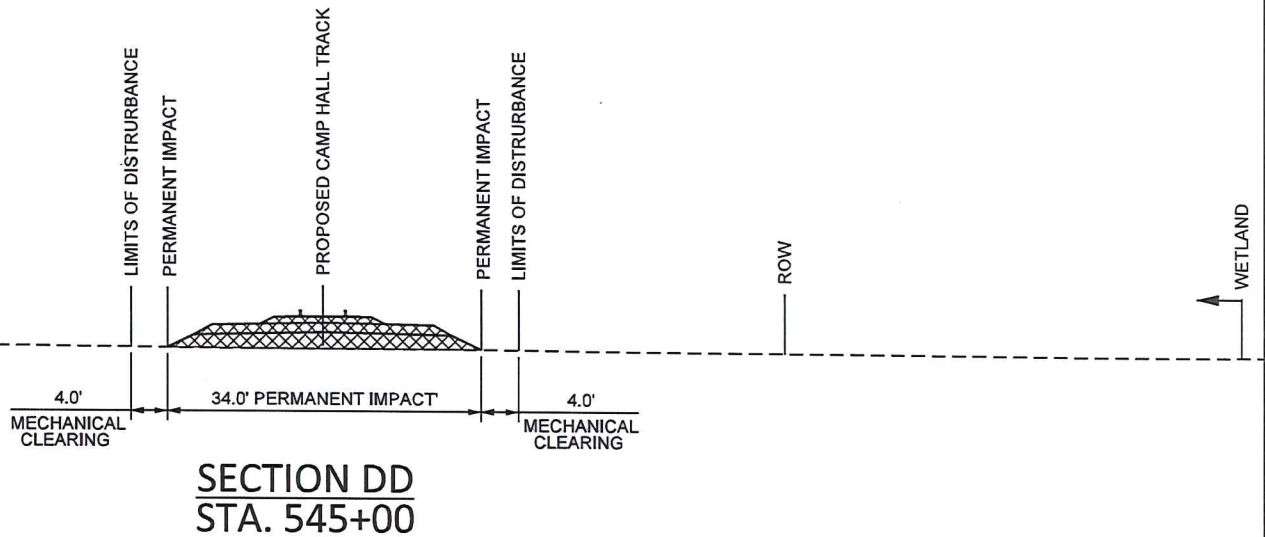
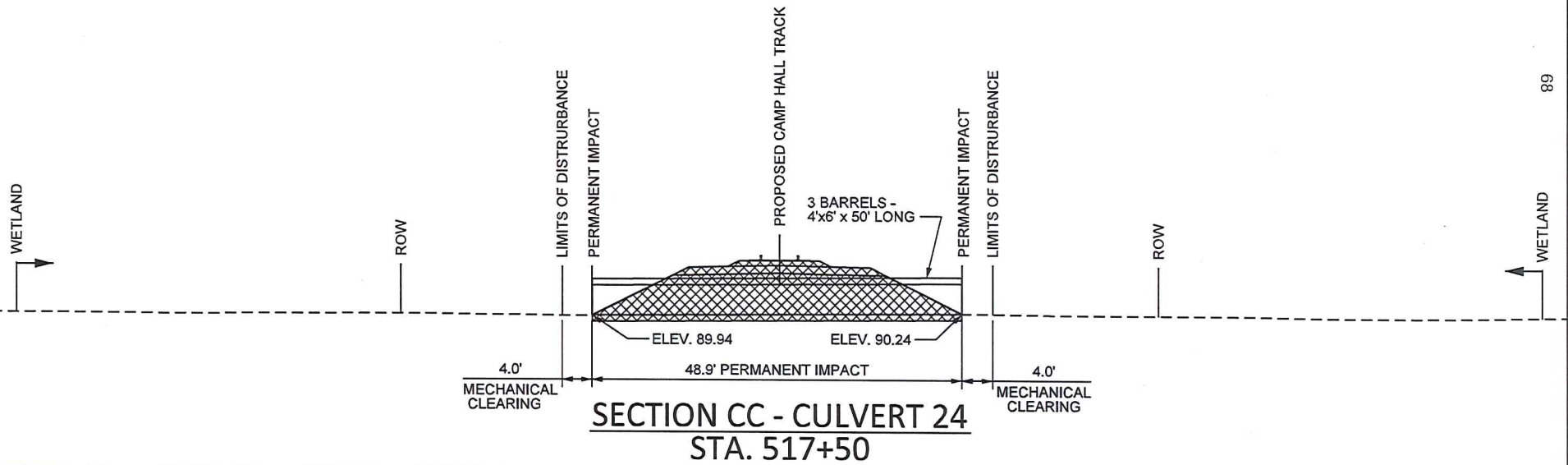


# CROSS SECTION SHEET 13 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 64 OF 106





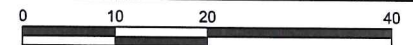
APPLICANT: PALMETTO RAILWAYS

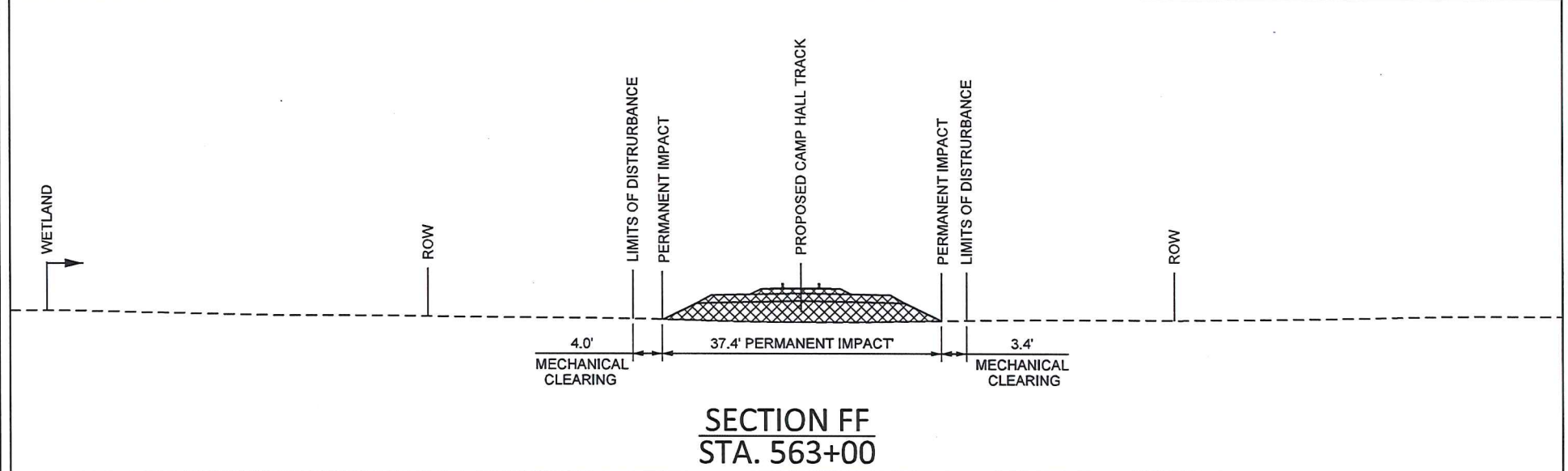
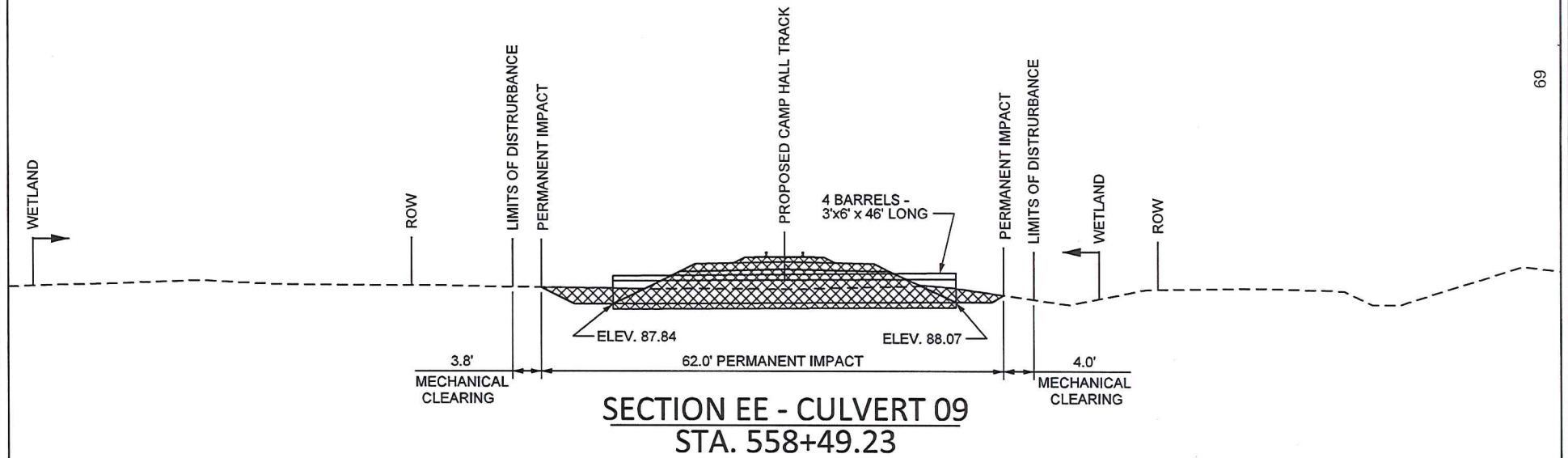


# CROSS SECTION SHEET 14 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 65 OF 106



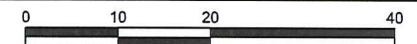


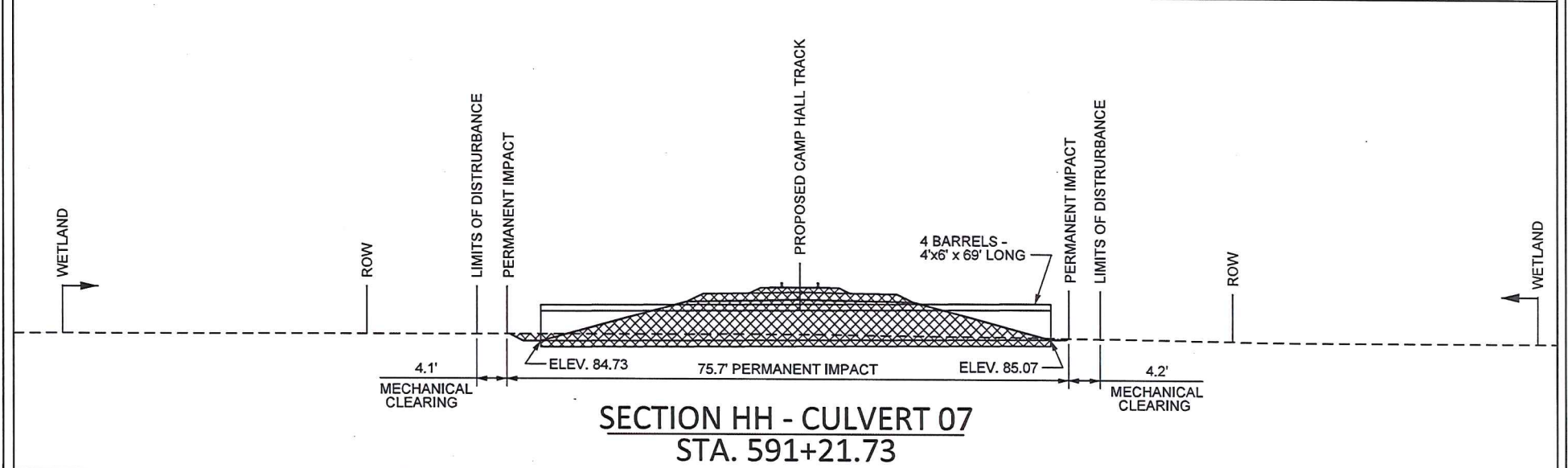
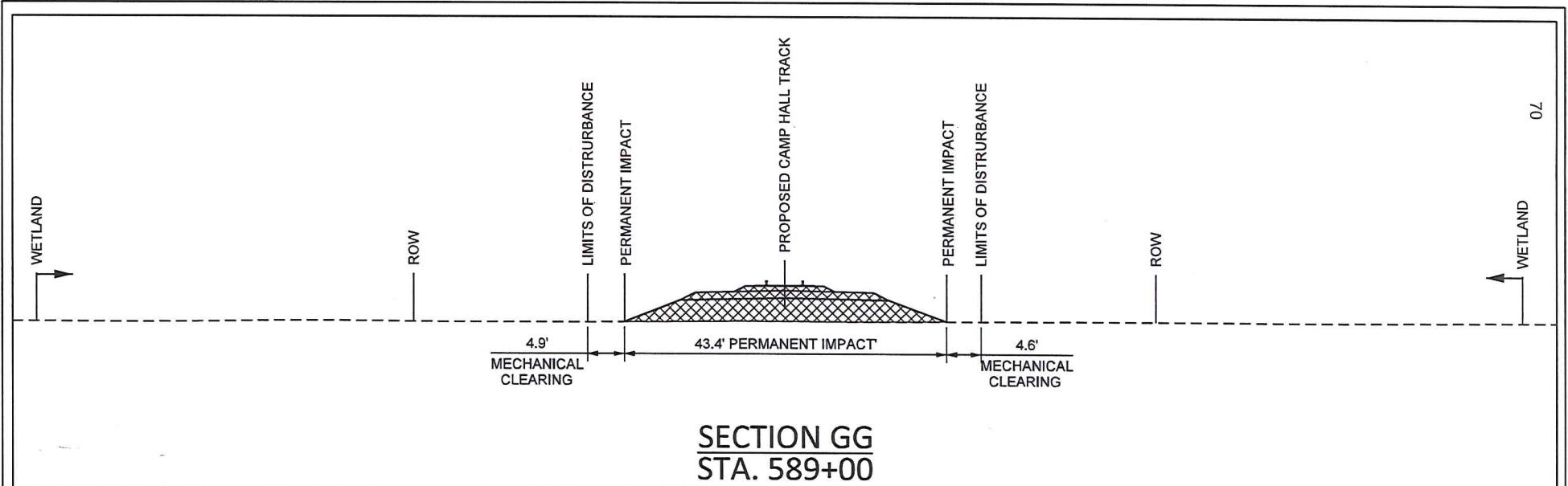
APPLICANT: PALMETTO RAILWAYS



CROSS SECTION SHEET 15 OF 54  
PERMITTED PLANS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 66 OF 106





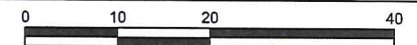
APPLICANT: PALMETTO RAILWAYS



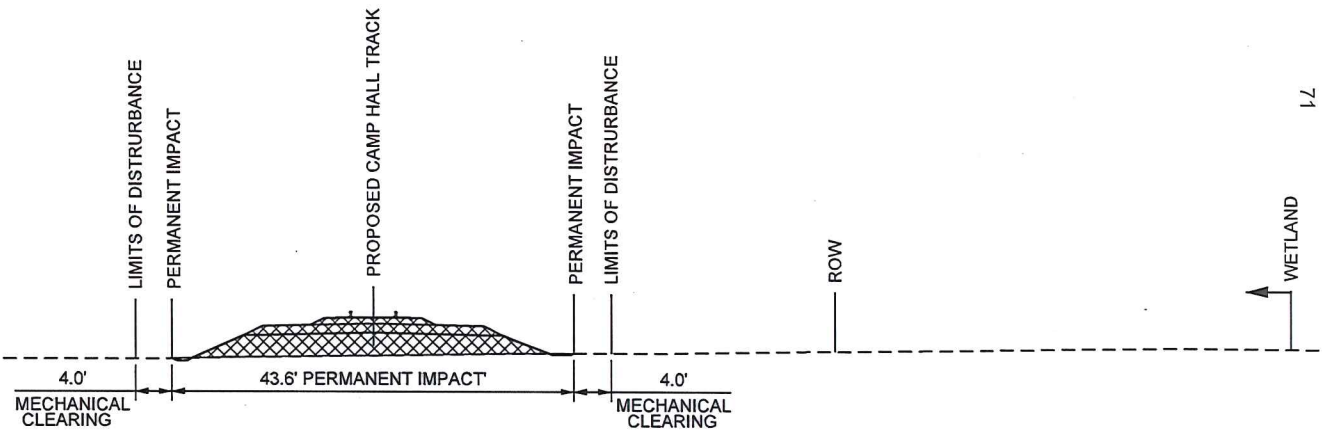
# CROSS SECTION SHEET 16 OF 54

## PERMITTED PLANS

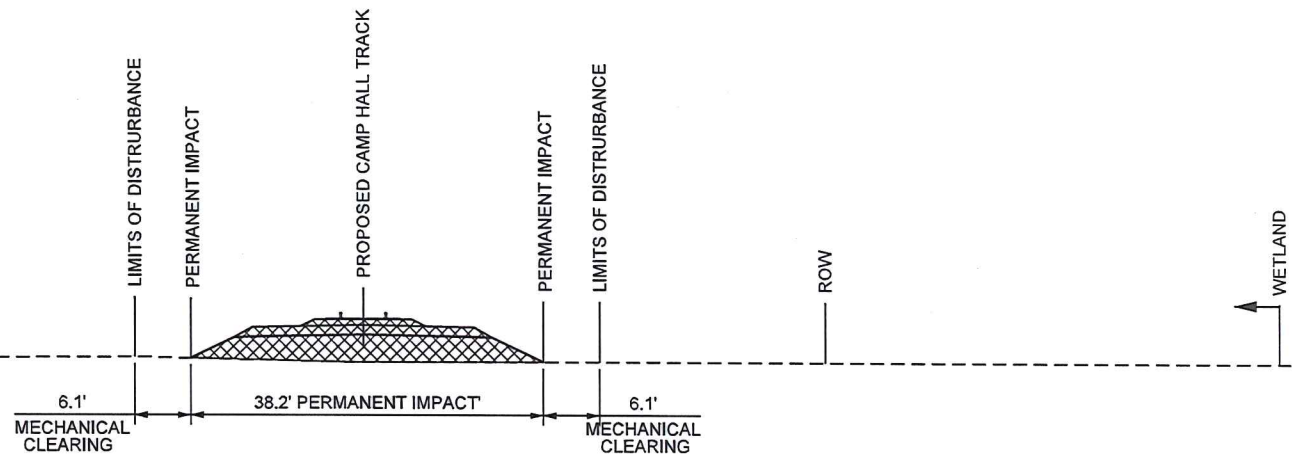
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 67 OF 106







**SECTION JJ**  
**STA. 593+00**



**SECTION KK**  
**STA. 615+00**

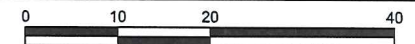


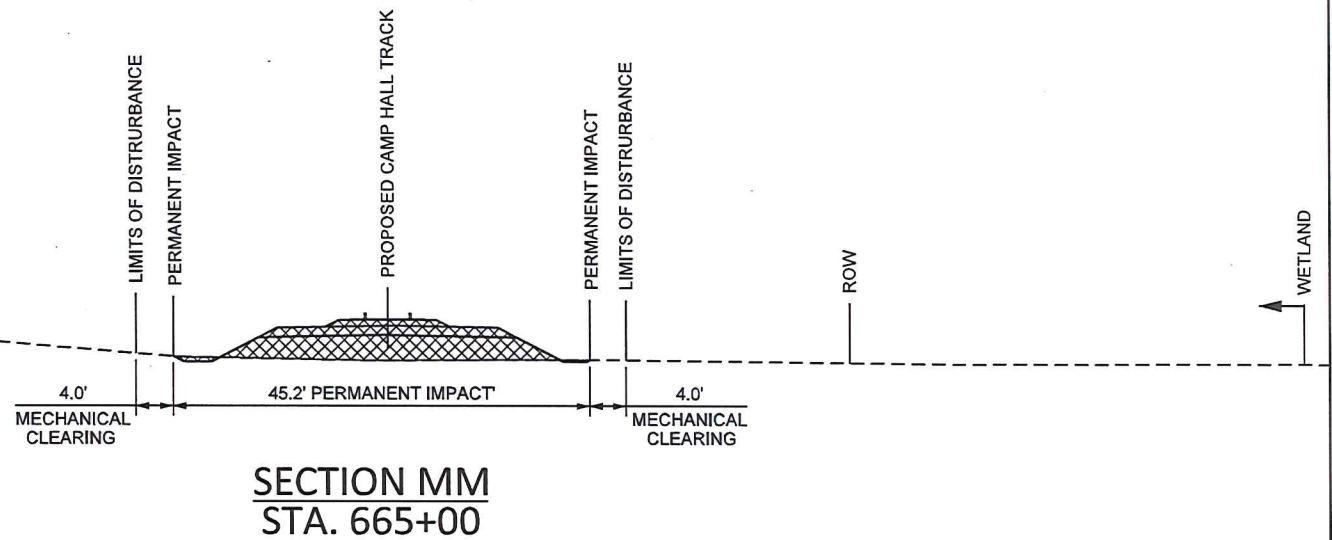
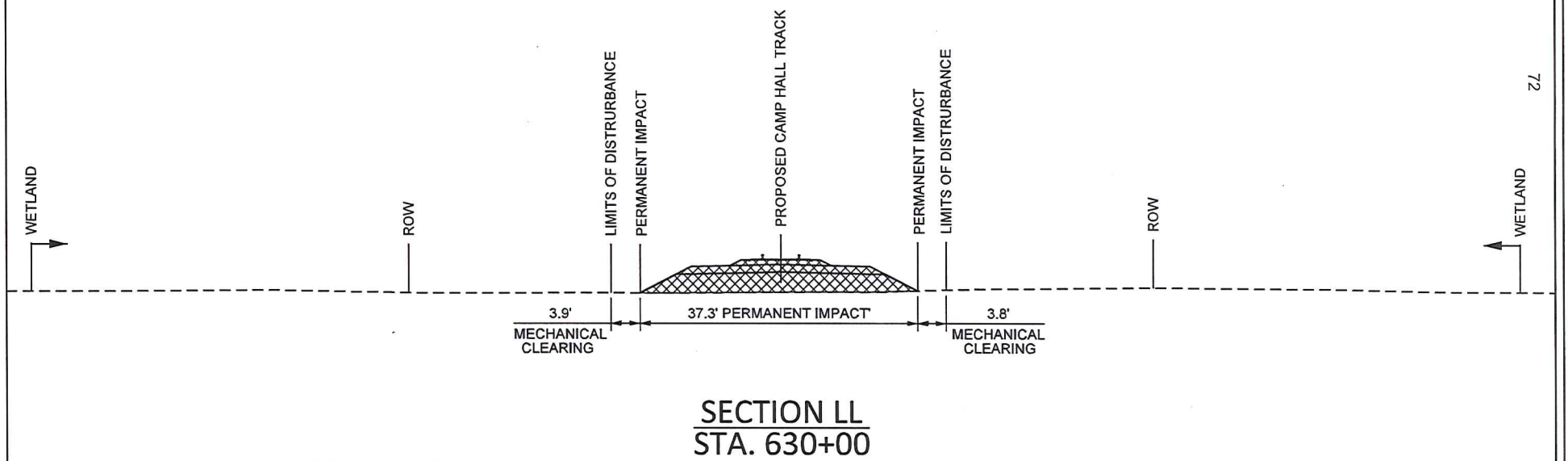
APPLICANT: PALMETTO RAILWAYS



**CROSS SECTION SHEET 17 OF 54**  
**PERMITTED PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 68 OF 106



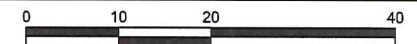


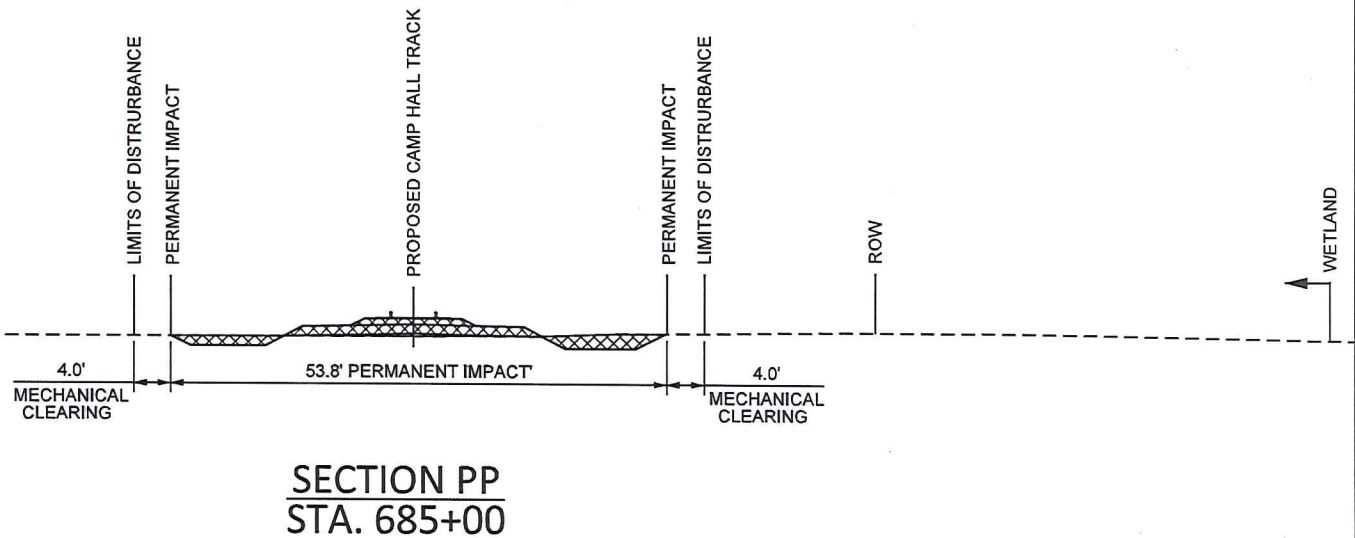
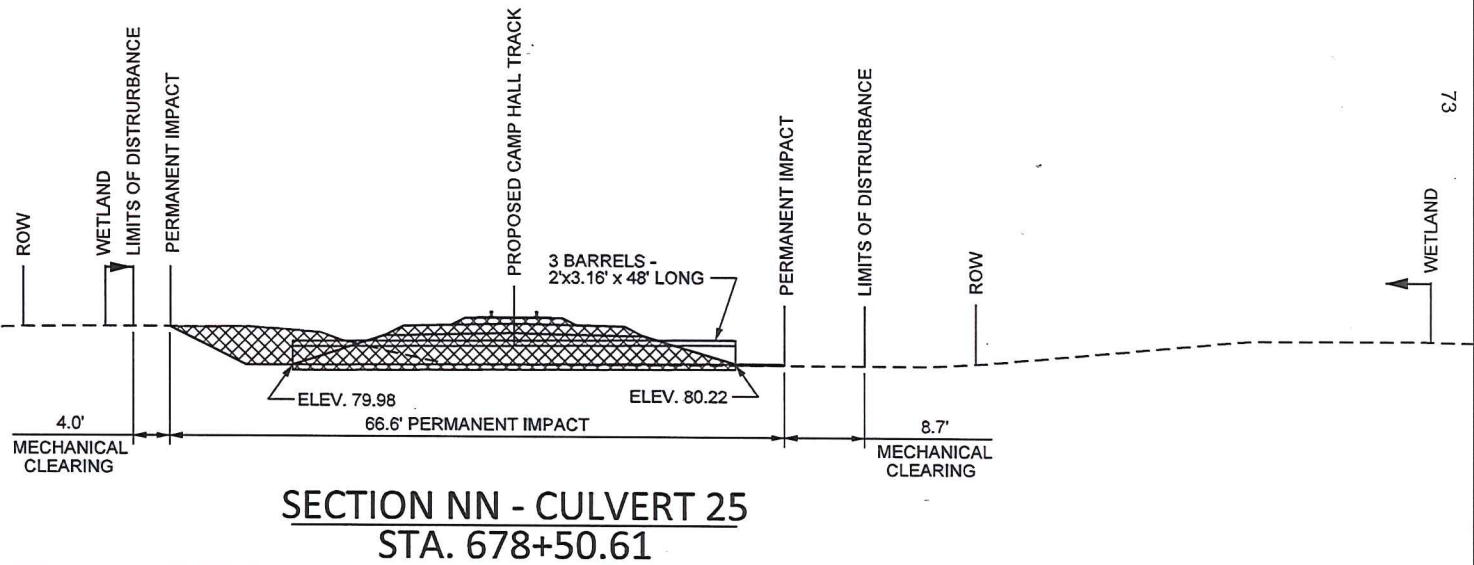
APPLICANT: PALMETTO RAILWAYS



# CROSS SECTION SHEET 18 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 69 OF 106





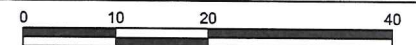
APPLICANT: PALMETTO RAILWAYS

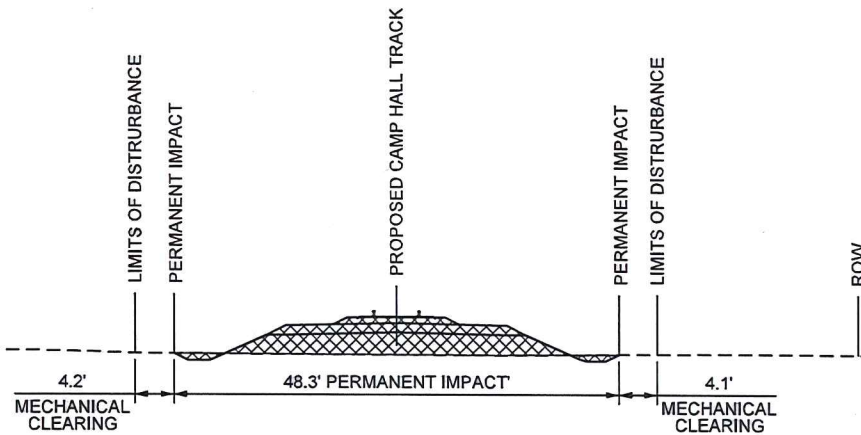


# CROSS SECTION SHEET 19 OF 54

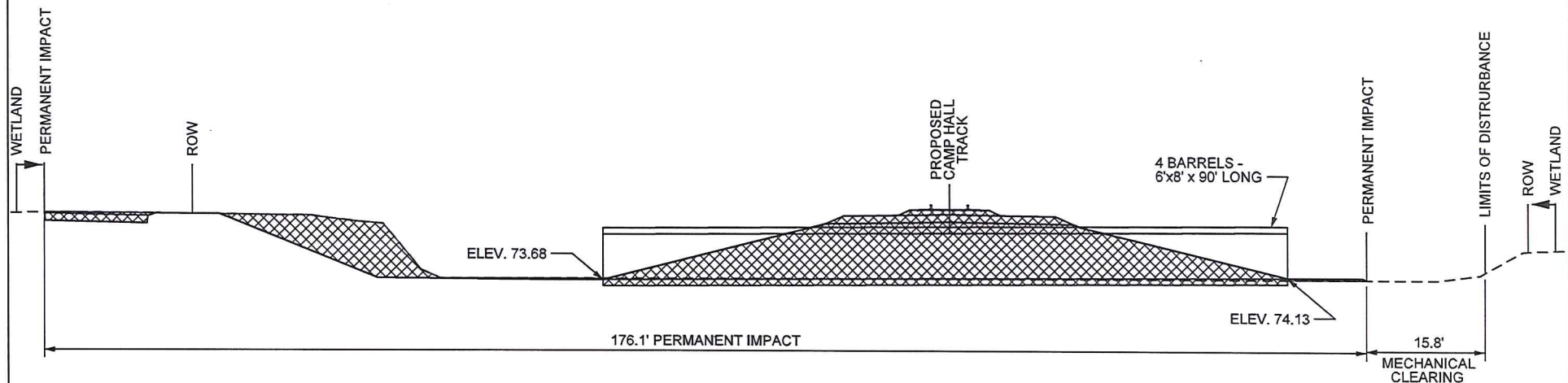
## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 70 OF 106





**SECTION QQ**  
**STA. 721+00**



**SECTION RR - CULVERT 04B AND ACCESS ROADS**  
**STA. 722+41.58**



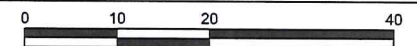
APPLICANT: PALMETTO RAILWAYS



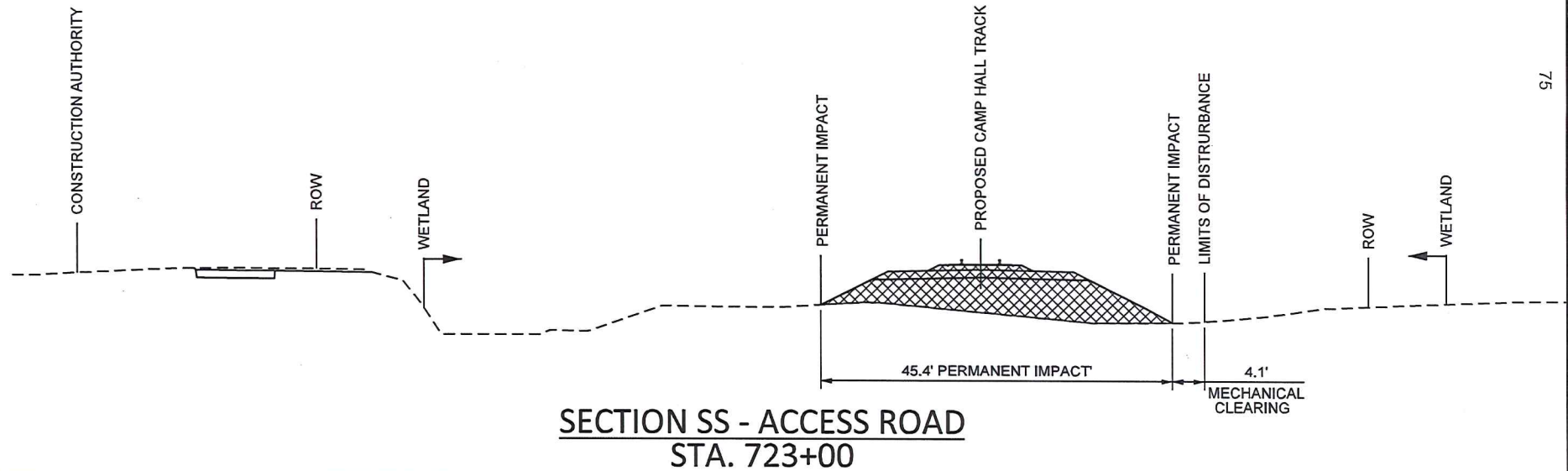
# CROSS SECTION SHEET 20 OF 54

## PERMITTED PLANS

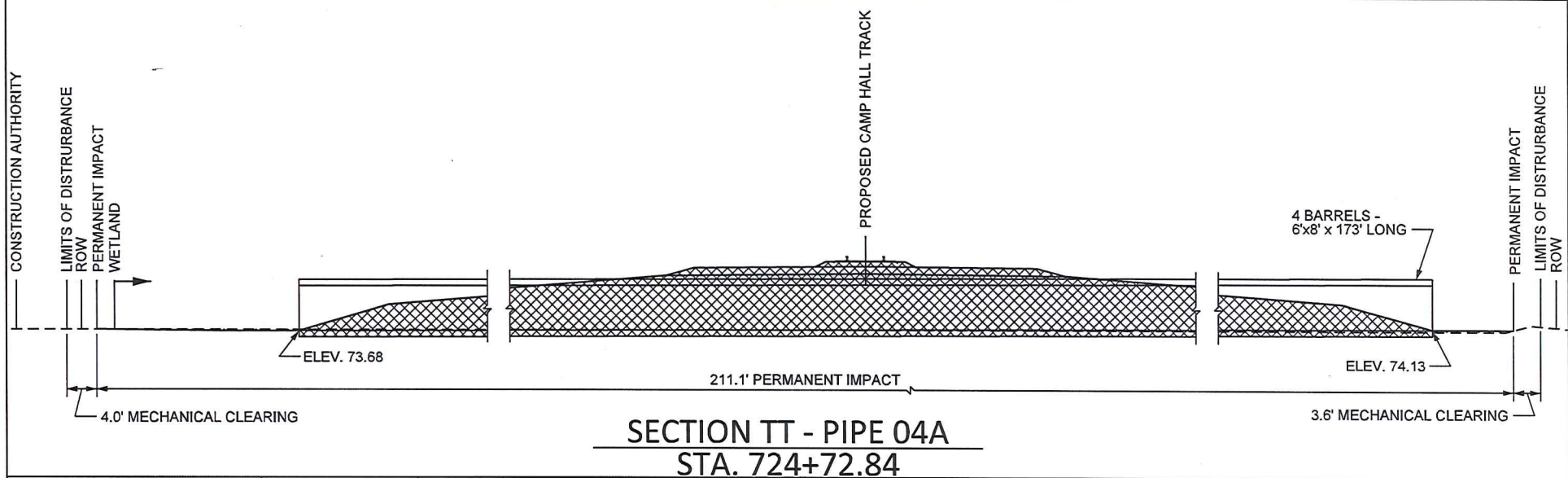
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 71 OF 106







75



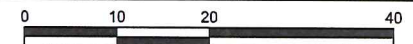
APPLICANT: PALMETTO RAILWAYS

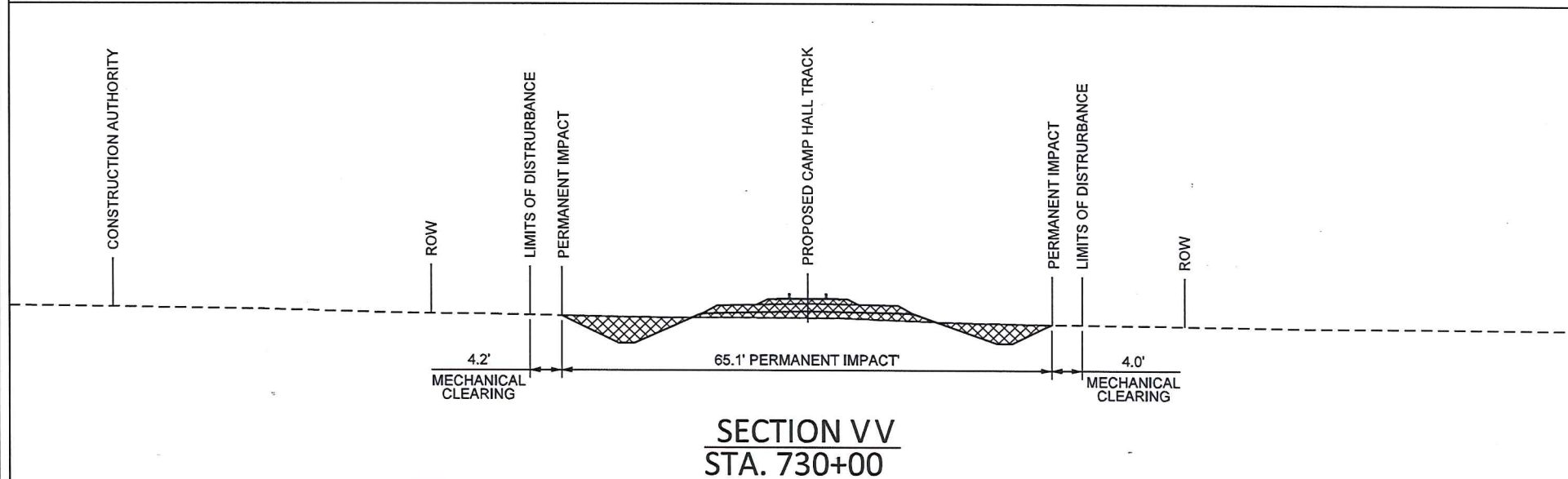
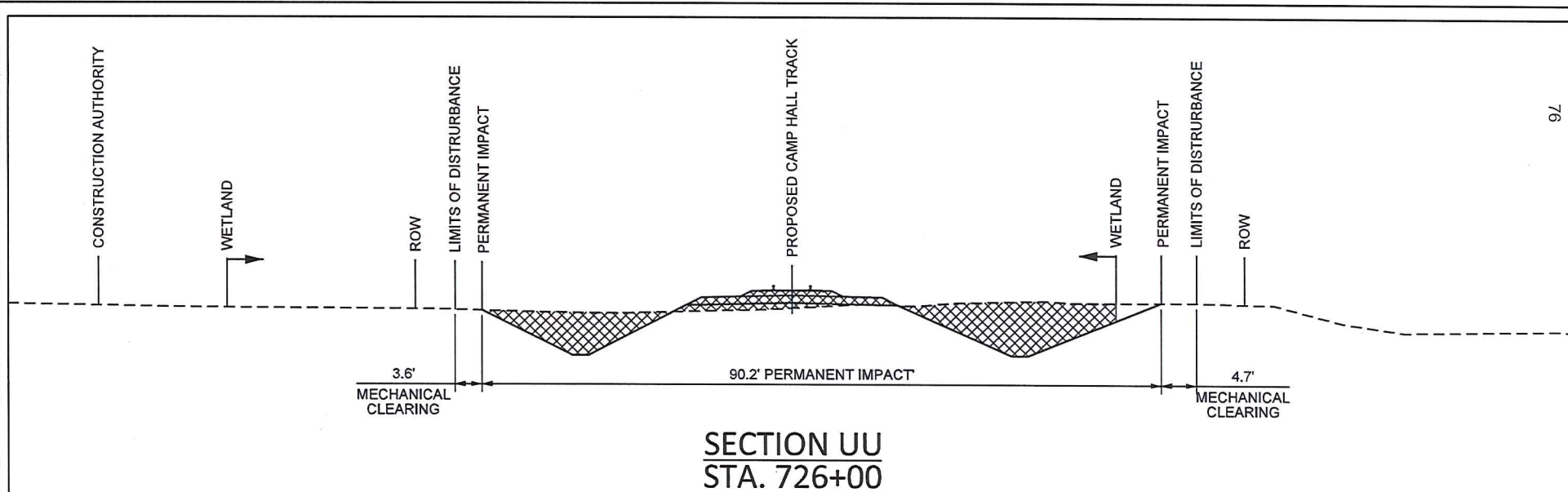


# CROSS SECTION SHEET 21 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 72 OF 106





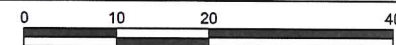
APPLICANT: PALMETTO RAILWAYS

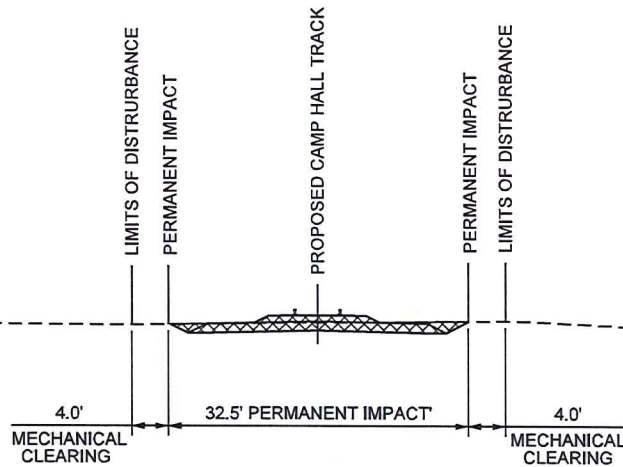


CROSS SECTION SHEET 22 OF 54

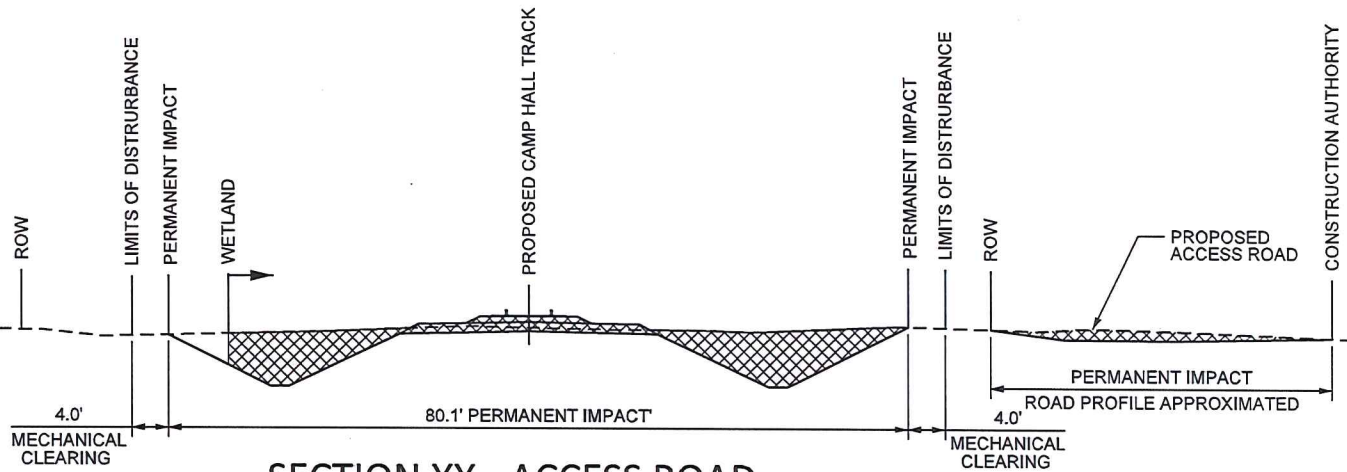
PERMITTED  
PLANS

PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 73 OF 106





**SECTION WW**  
**STA. 736+00**



**SECTION XX - ACCESS ROAD**  
**STA. 743+00**



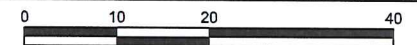
APPLICANT: PALMETTO RAILWAYS

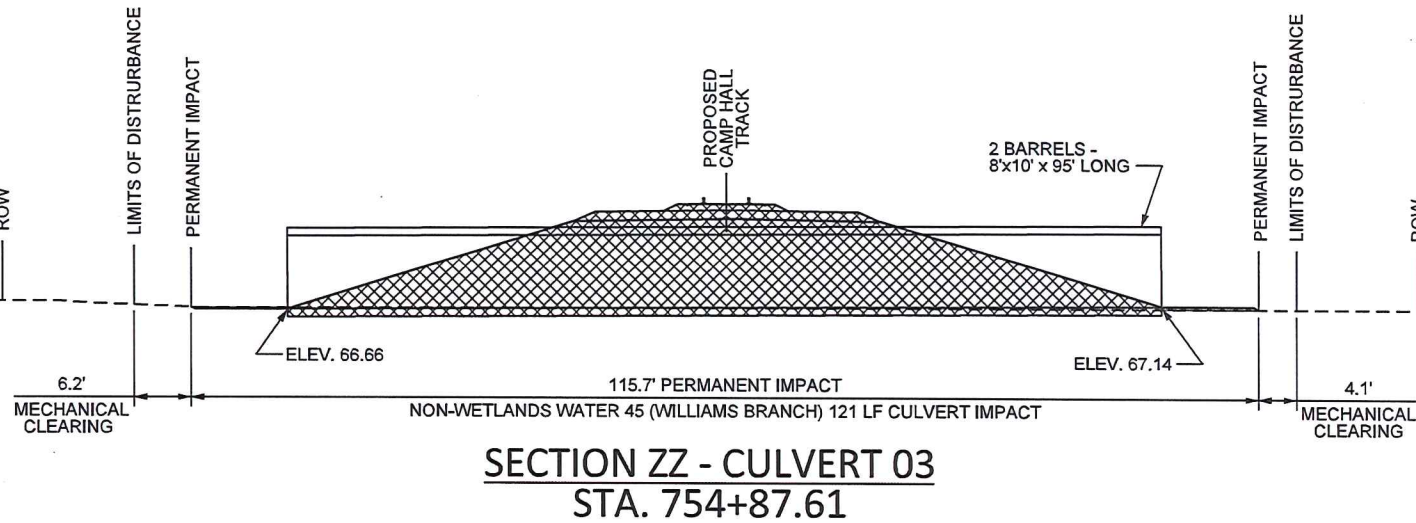
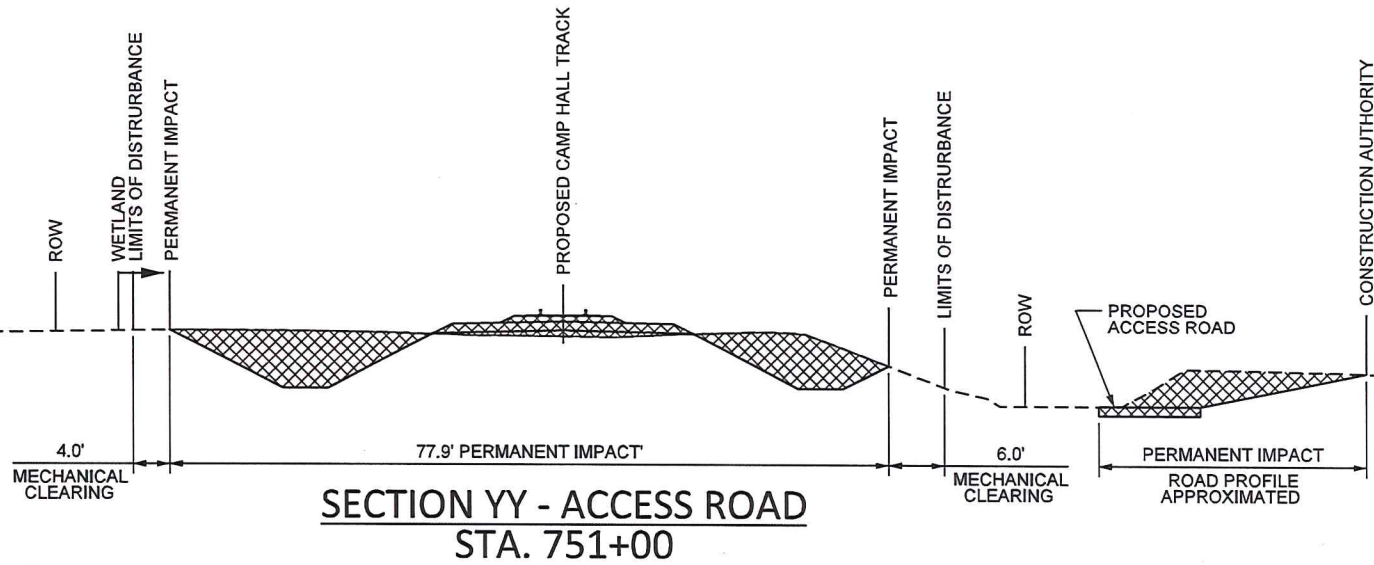


# CROSS SECTION SHEET 23 OF 54

**PERMITTED  
PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 74 OF 106





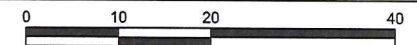
APPLICANT: PALMETTO RAILWAYS



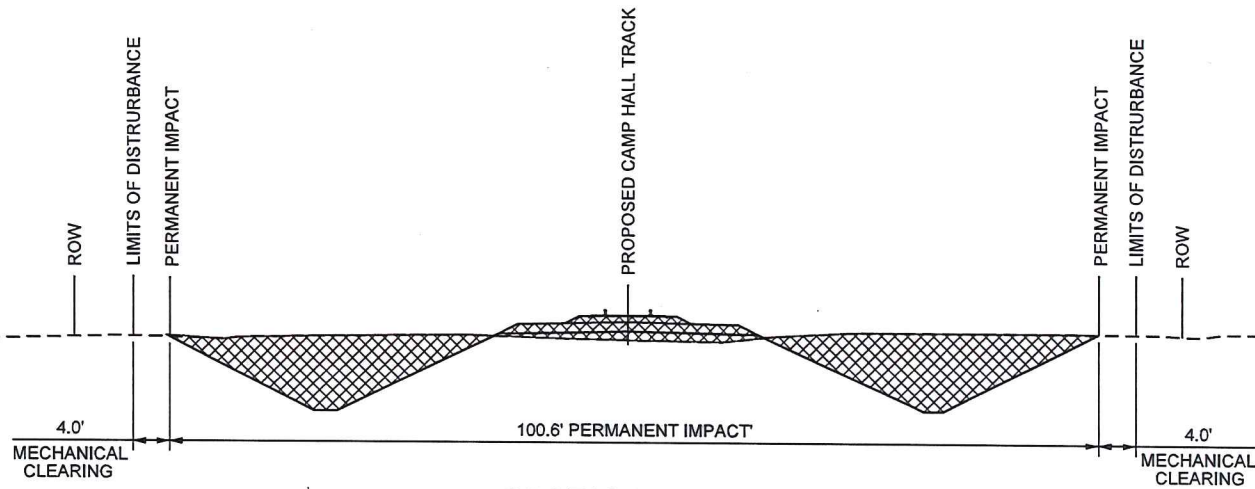
# CROSS SECTION SHEET 24 OF 54

## PERMITTED PLANS

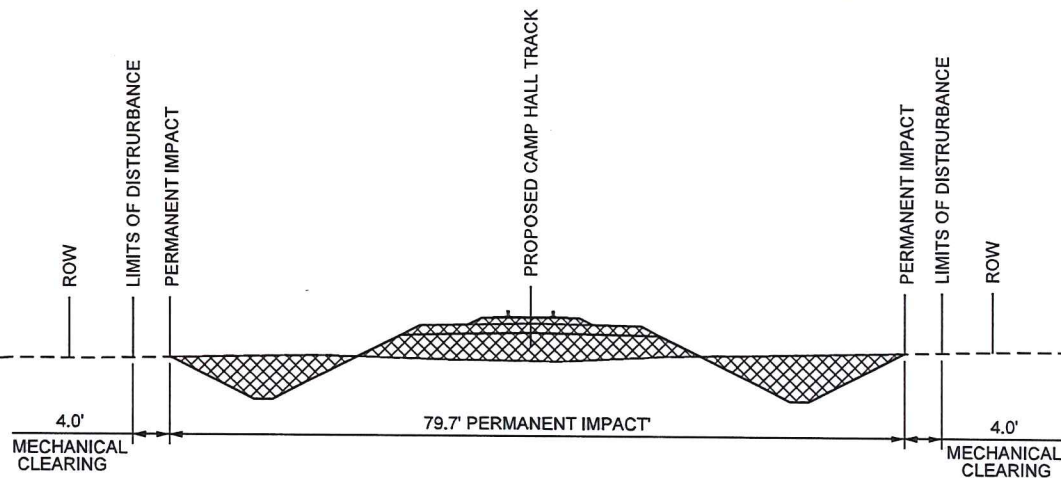
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 75 OF 106







**SECTION AAA**  
**STA. 760+00**



**SECTION BBB**  
**STA. 772+00**

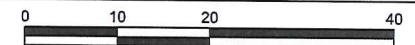


APPLICANT: PALMETTO RAILWAYS



**CROSS SECTION SHEET 25 OF 54**  
**PERMITTED PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 76 OF 106



WETLAND

ROW

LIMITS OF DISTURBANCE  
PERMANENT IMPACT

PROPOSED CAMP HALL TRACK

PERMANENT IMPACT  
LIMITS OF DISTURBANCE

ROW

08

WETLAND

4.0'  
MECHANICAL  
CLEARING

60.9' PERMANENT IMPACT

4.0'  
MECHANICAL  
CLEARINGSECTION CCC  
STA. 783+00

WETLAND

ROW

LIMITS OF DISTURBANCE  
PERMANENT IMPACT

PROPOSED CAMP HALL TRACK

PERMANENT IMPACT  
LIMITS OF DISTURBANCE

ROW

WETLAND

4.0'  
MECHANICAL  
CLEARING

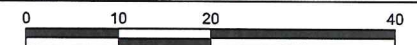
35.2' PERMANENT IMPACT

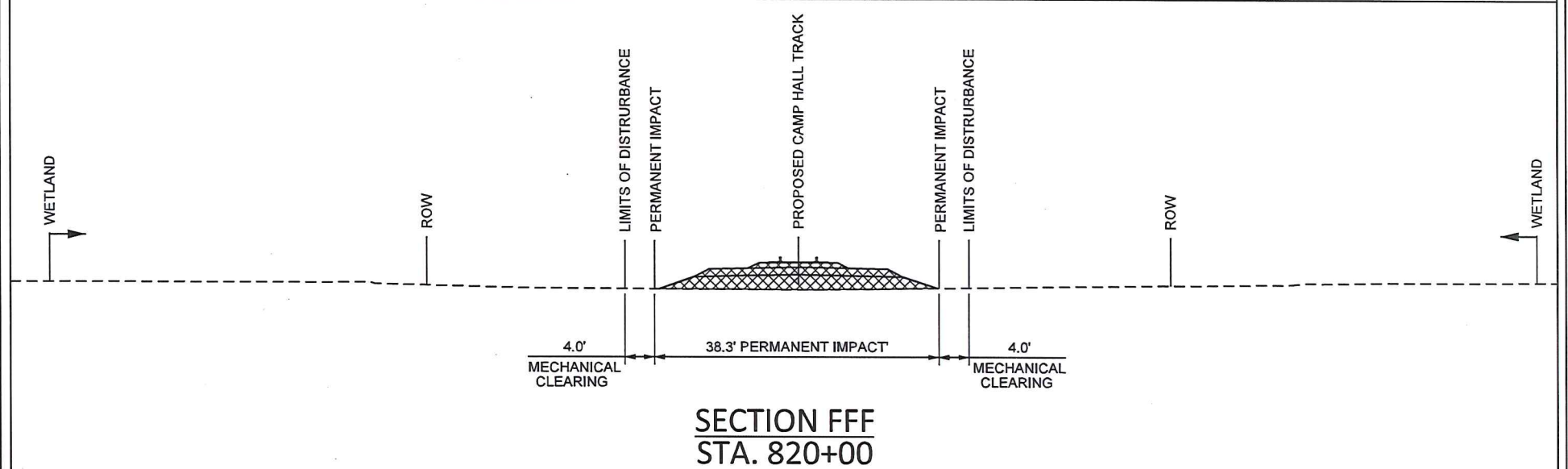
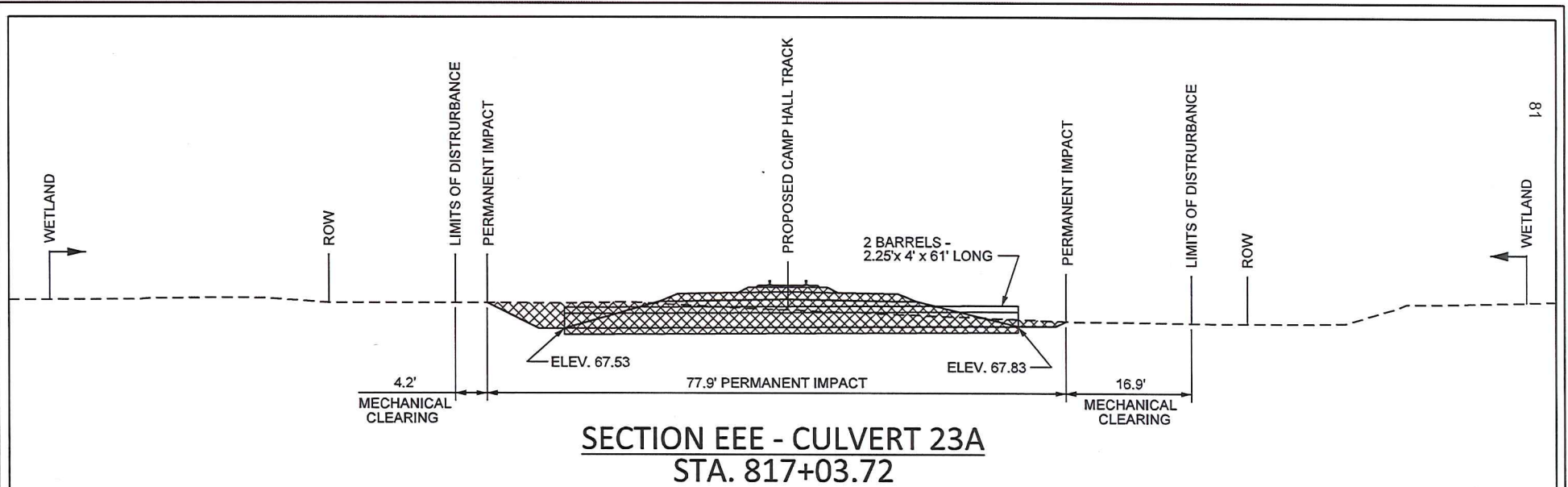
4.0'  
MECHANICAL  
CLEARINGSECTION DDD  
STA. 805+00

APPLICANT: PALMETTO RAILWAYS

CROSS SECTION SHEET 26 OF 54  
PERMITTED  
PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 77 OF 106





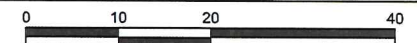
APPLICANT: PALMETTO RAILWAYS

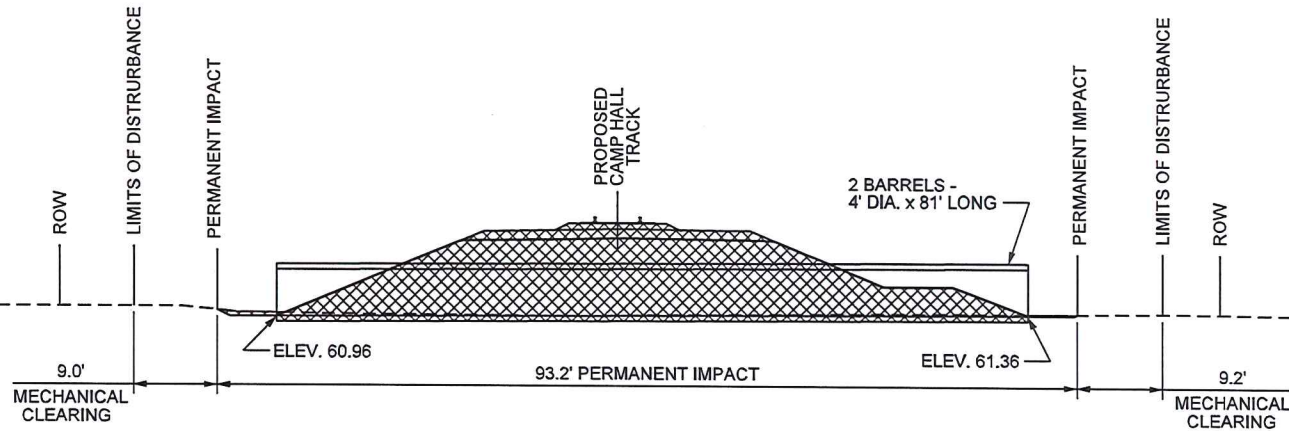


# CROSS SECTION SHEET 27 OF 54

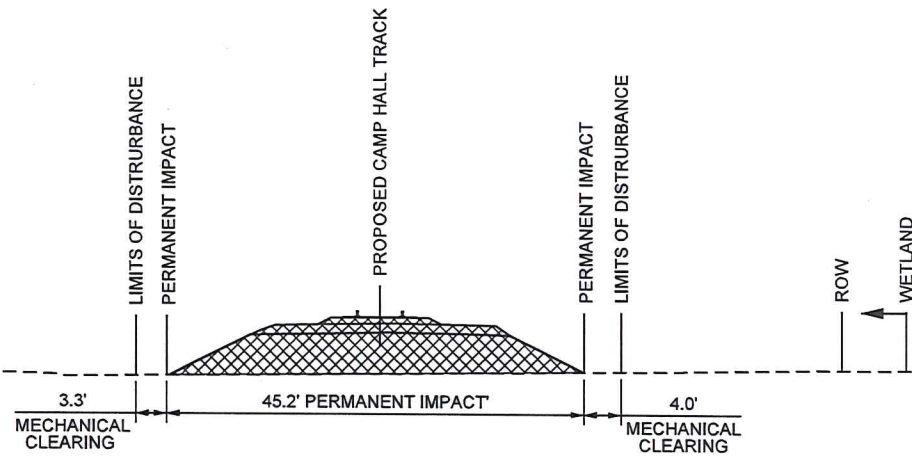
## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 78 OF 106





**SECTION GGG - CULVERT 41**  
**STA. 829+42.90**



**SECTION HHH**  
**STA. 830+00**

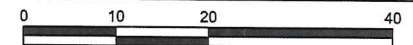


APPLICANT: PALMETTO RAILWAYS

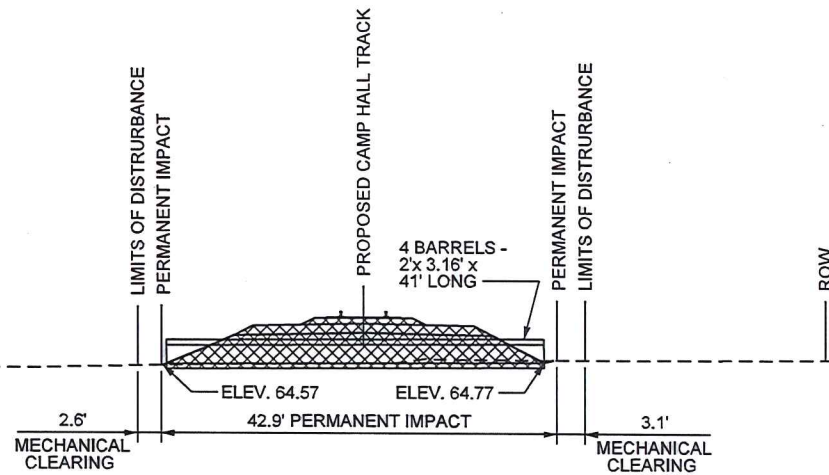


**CROSS SECTION SHEET 28 OF 54**  
**PERMITTED**  
**PLANS**

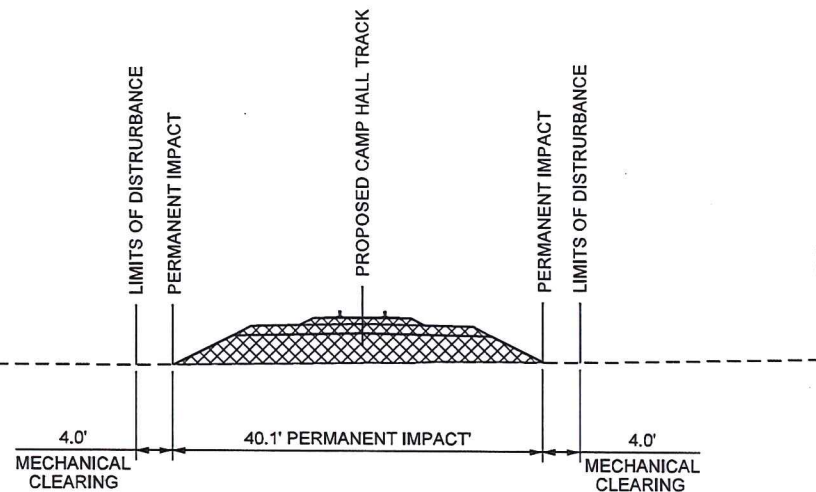
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 79 OF 106







**SECTION JJJ - CULVERT 27**  
**STA. 849+99.98**



**SECTION KKK**  
**STA. 851+00**

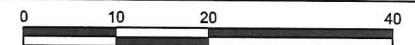


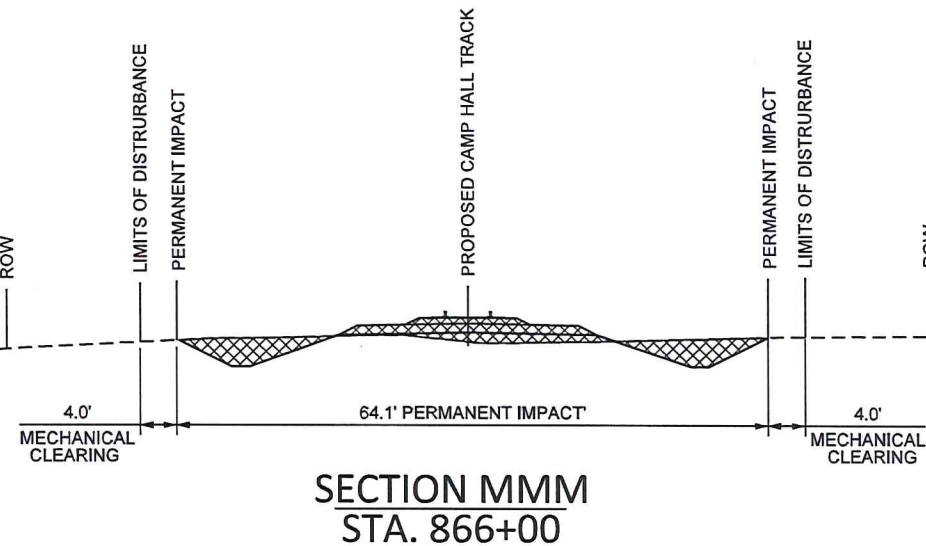
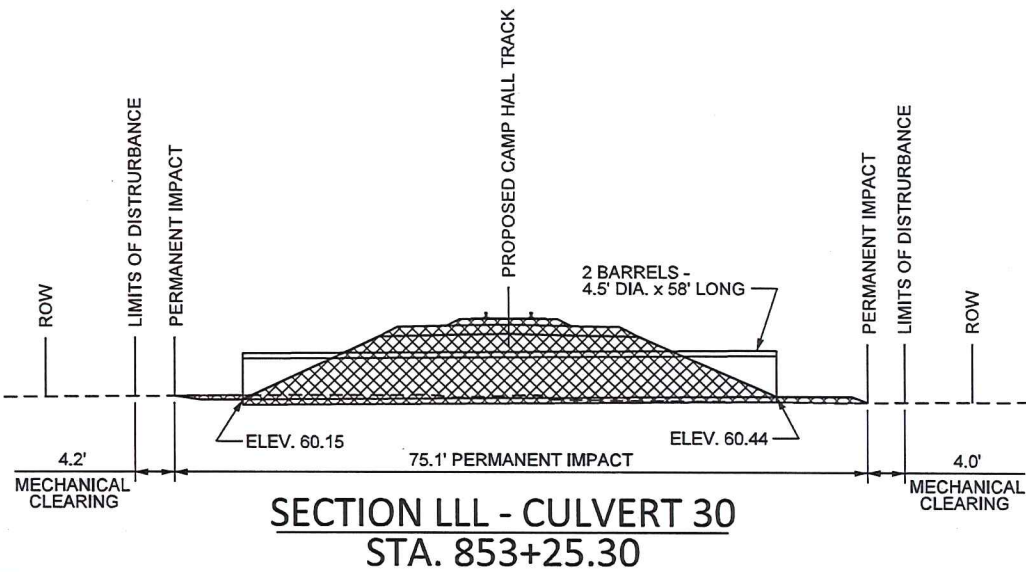
APPLICANT: PALMETTO RAILWAYS



# **CROSS SECTION SHEET 29 OF 54** **PERMITTED** **PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 80 OF 106





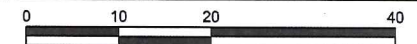
APPLICANT: PALMETTO RAILWAYS

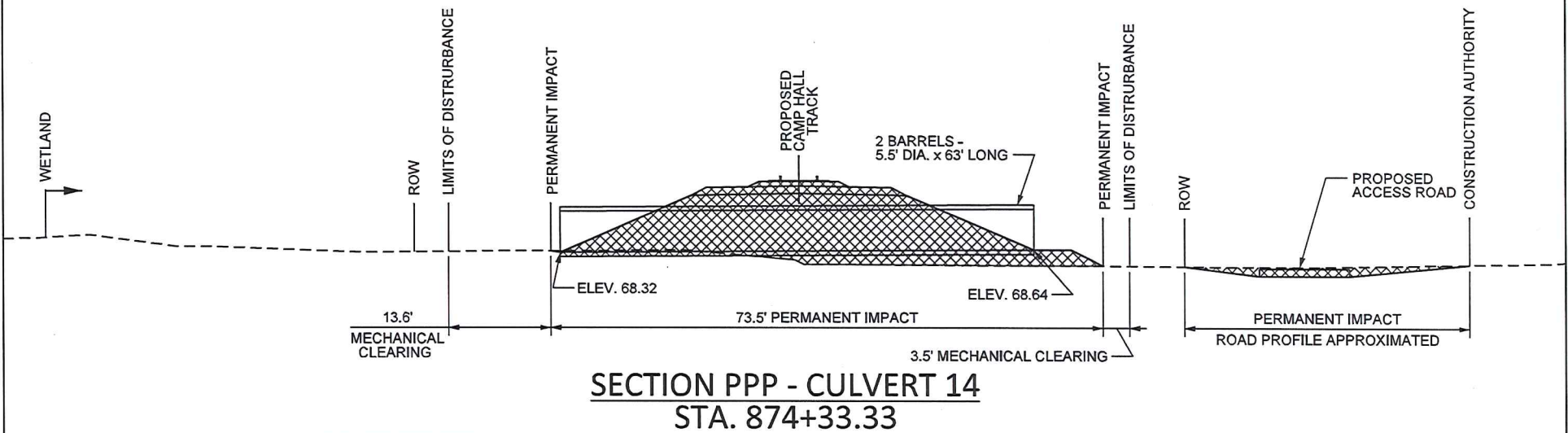
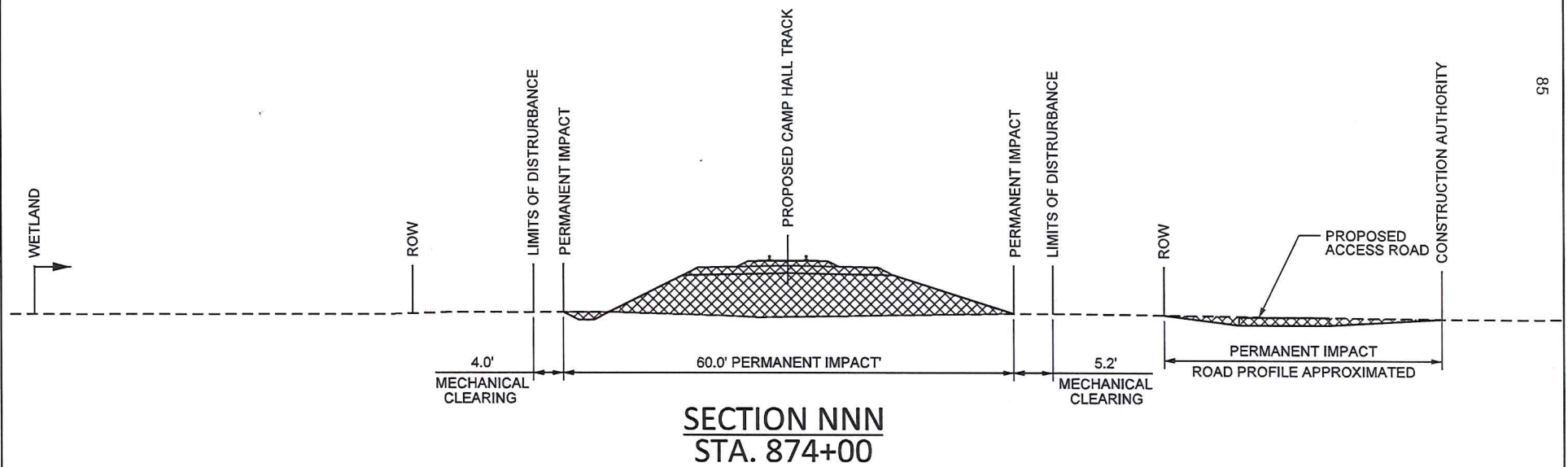


# CROSS SECTION SHEET 30 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 81 OF 106





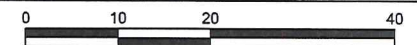
APPLICANT: PALMETTO RAILWAYS

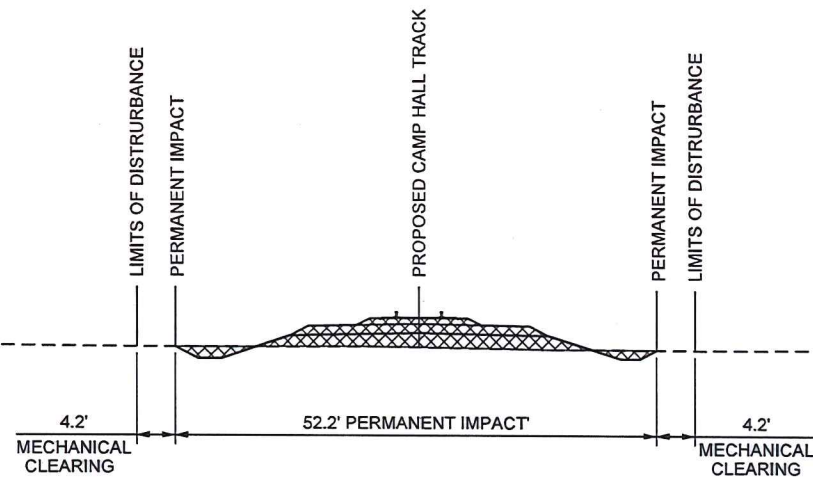


# CROSS SECTION SHEET 31 OF 54

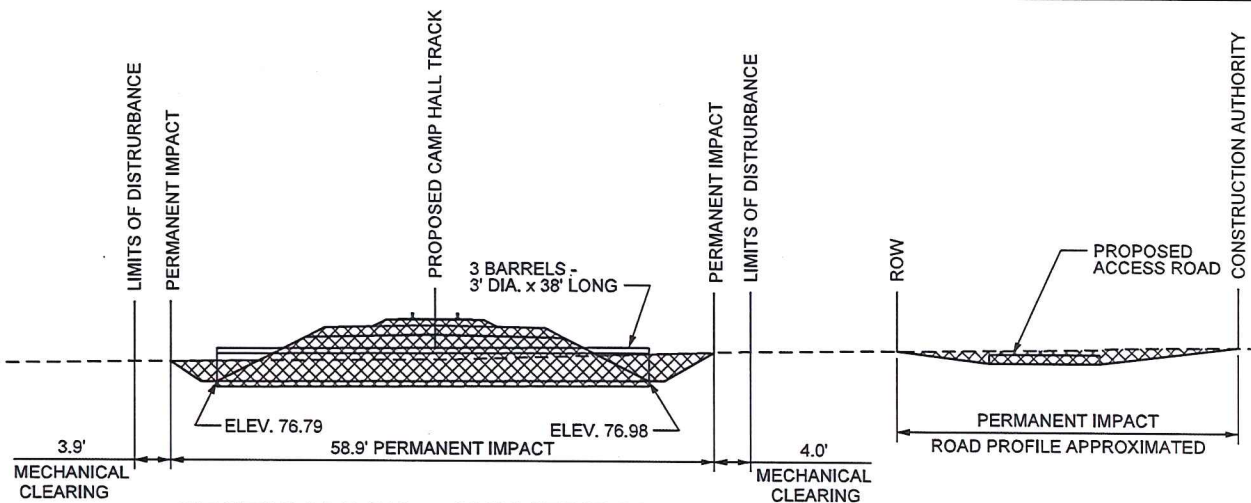
## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 82 OF 106





**SECTION QQQ**  
**STA. 886+00**



**SECTION RRR - CULVERT 37**  
**STA. 918+47.04**



APPLICANT: PALMETTO RAILWAYS

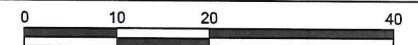


# **CROSS SECTION SHEET 32 OF 54** **PERMITTED PLANS**

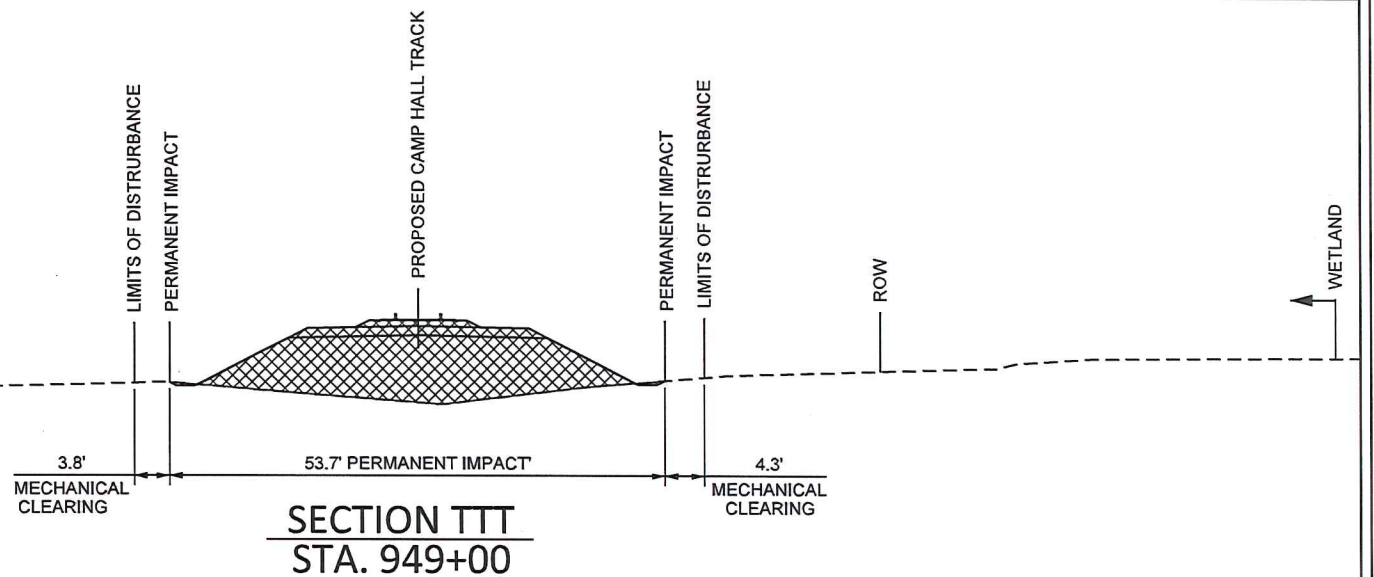
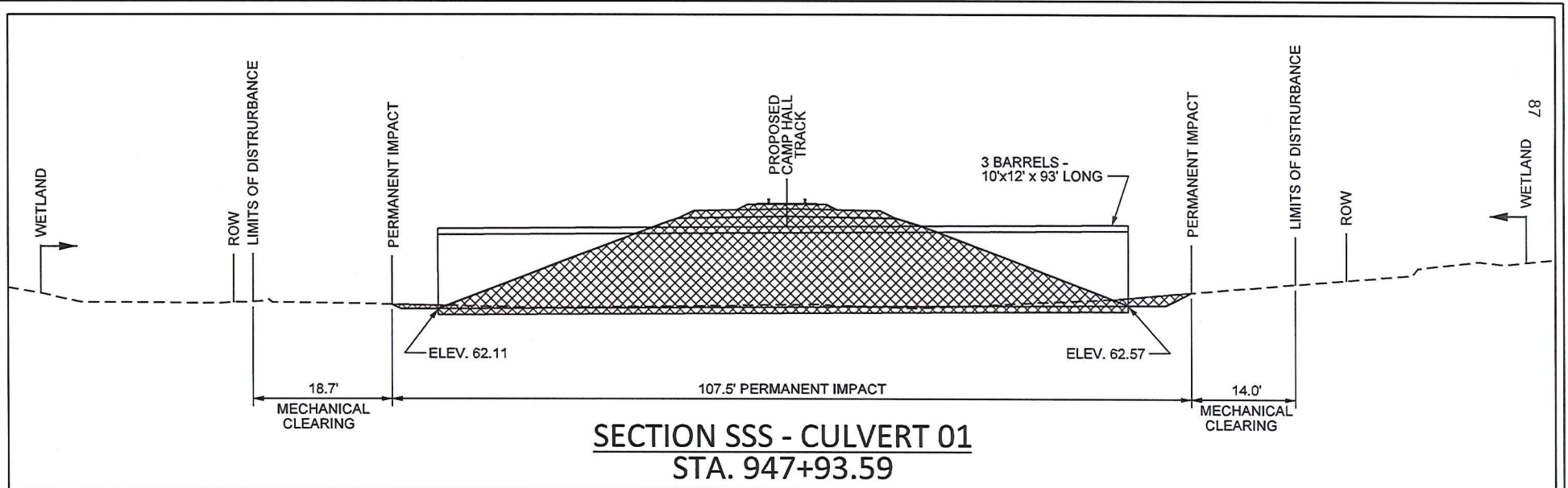
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 83 OF 106







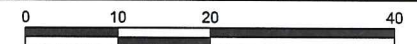
APPLICANT: PALMETTO RAILWAYS

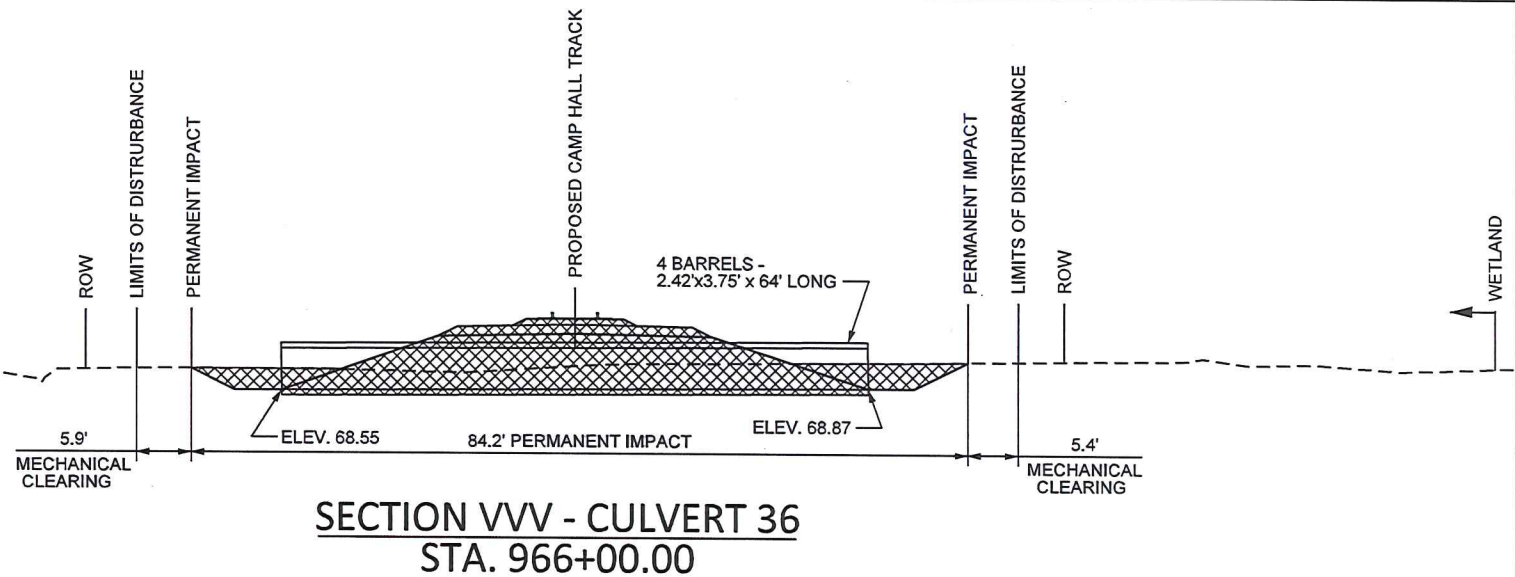
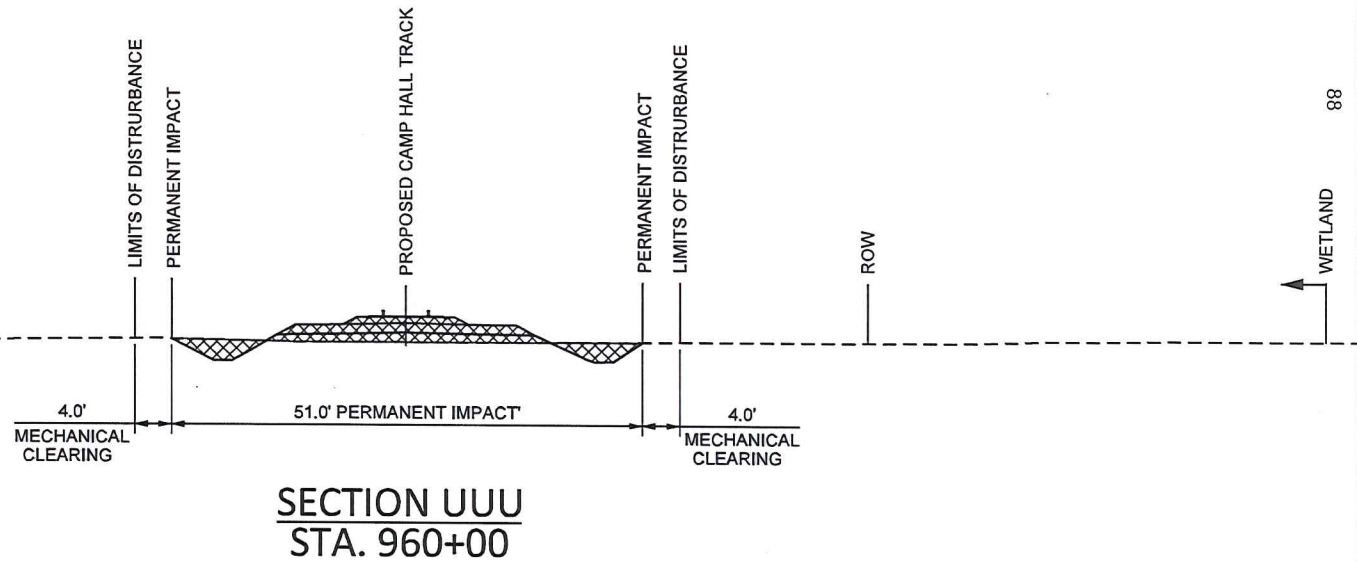


CROSS SECTION SHEET 33 OF 54

PERMITTED  
PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 84 OF 106





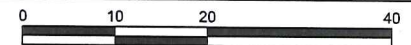
APPLICANT: PALMETTO RAILWAYS

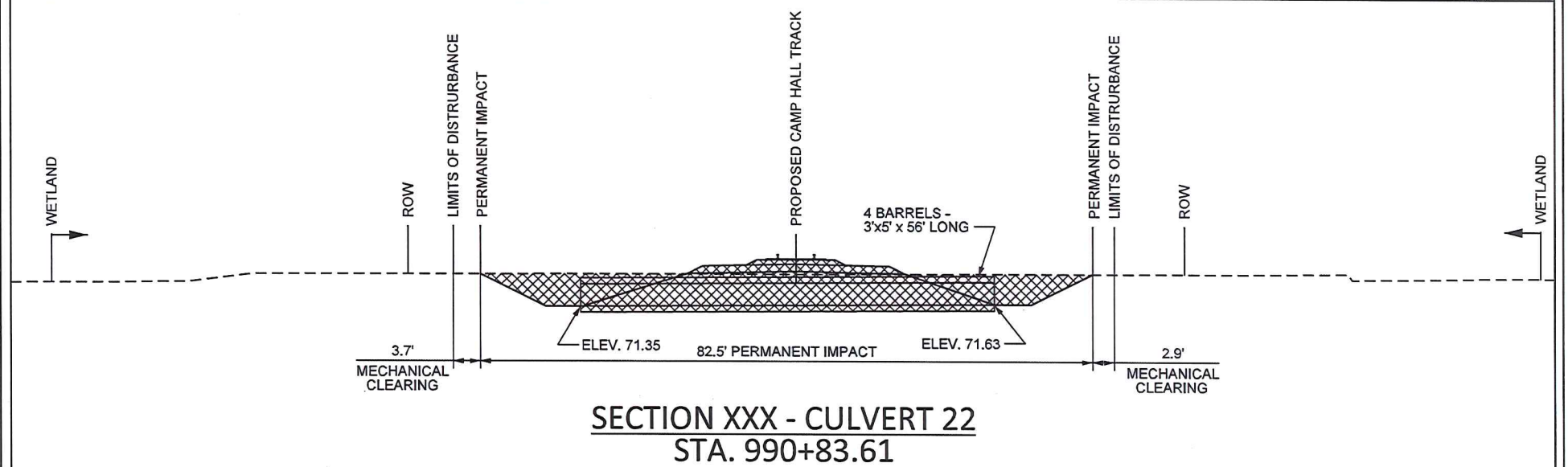
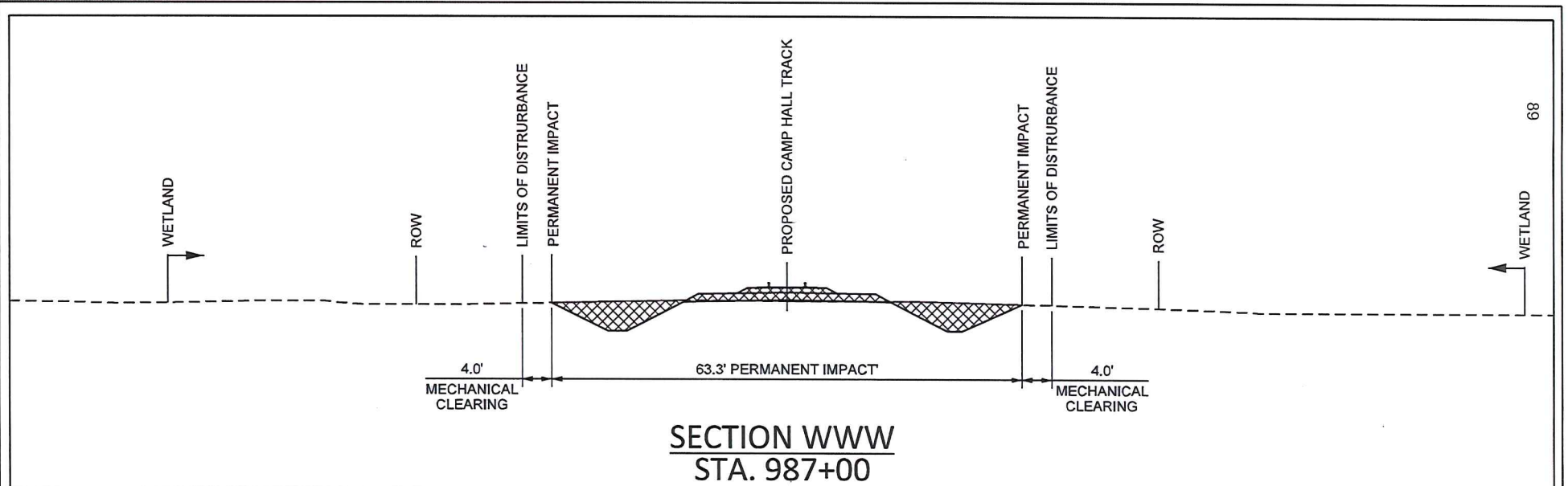


## CROSS SECTION SHEET 34 OF 54

PERMITTED  
PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 85 OF 106



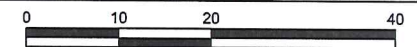


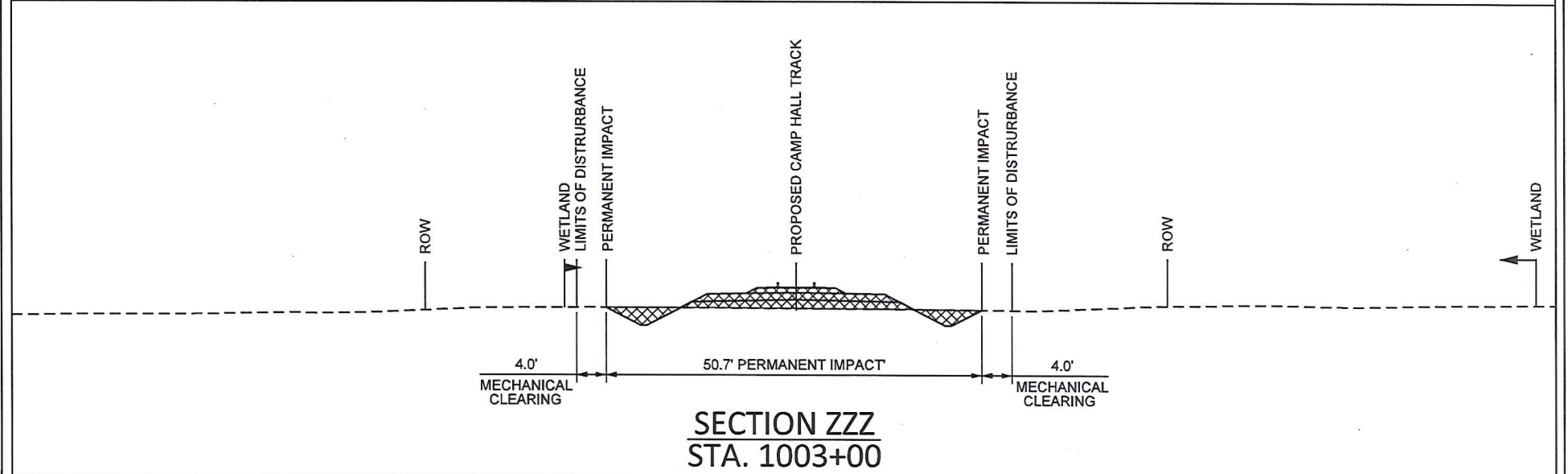
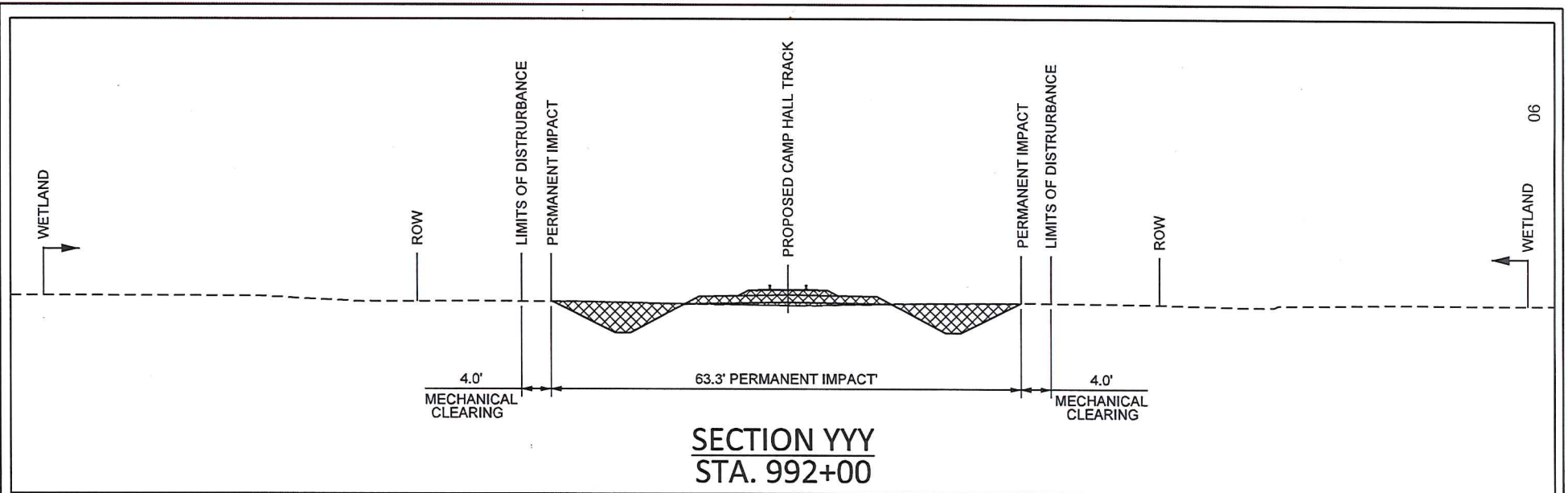
APPLICANT: PALMETTO RAILWAYS



# CROSS SECTION SHEET 35 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 86 OF 106



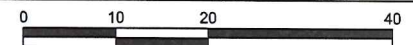


APPLICANT: PALMETTO RAILWAYS

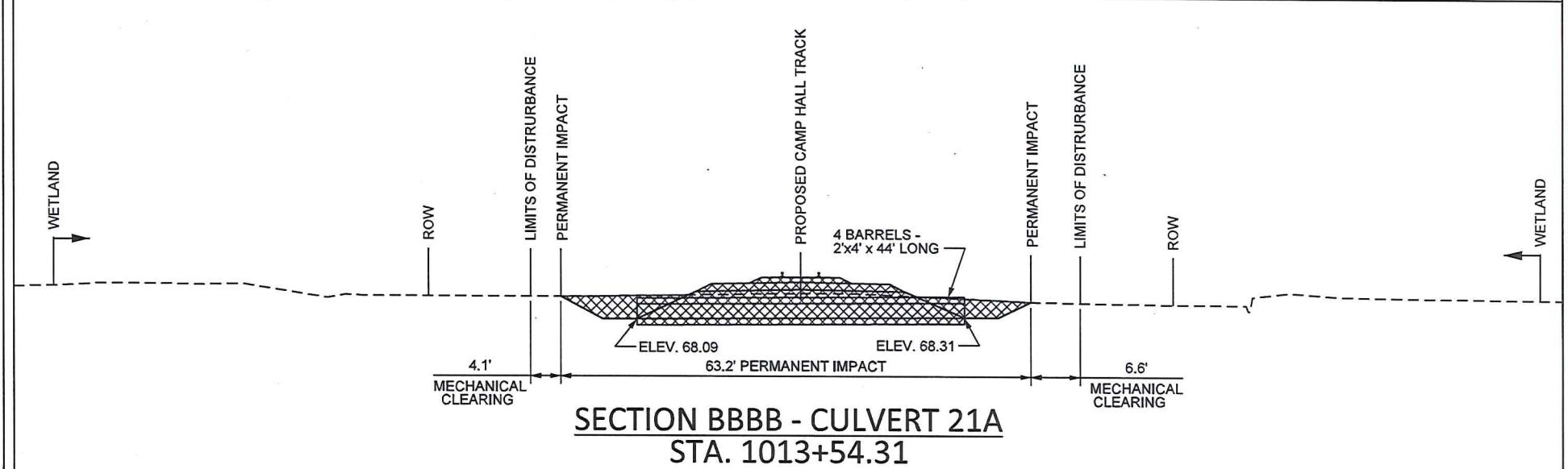
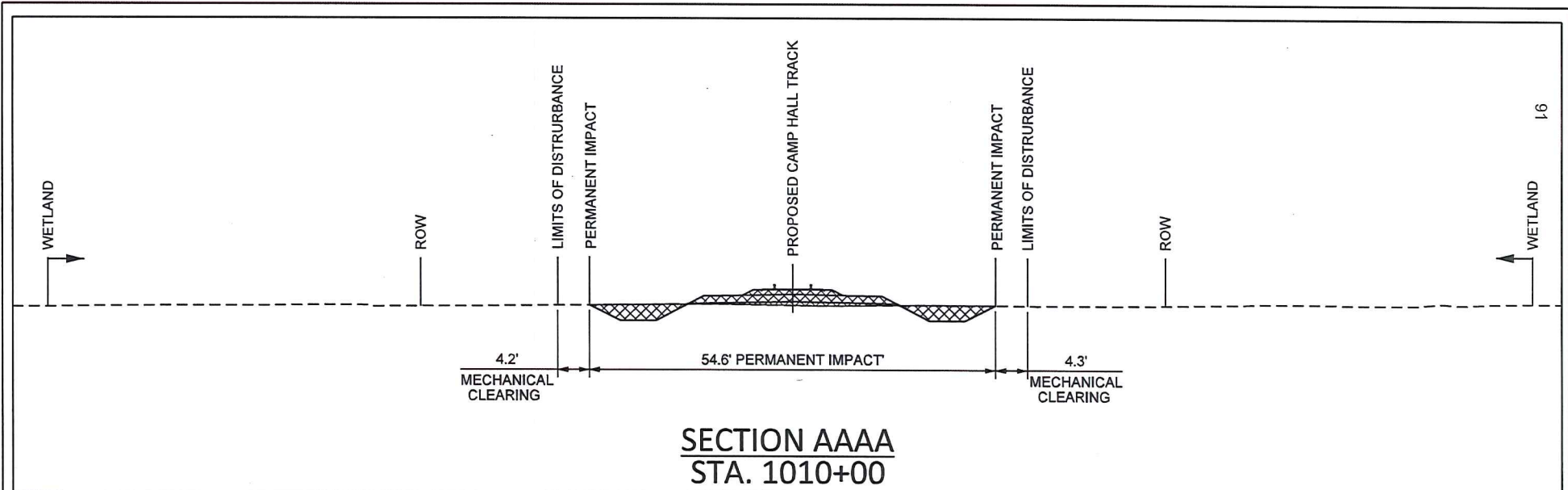


# CROSS SECTION SHEET 36 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 87 OF 106







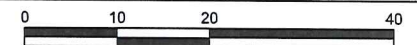
APPLICANT: PALMETTO RAILWAYS

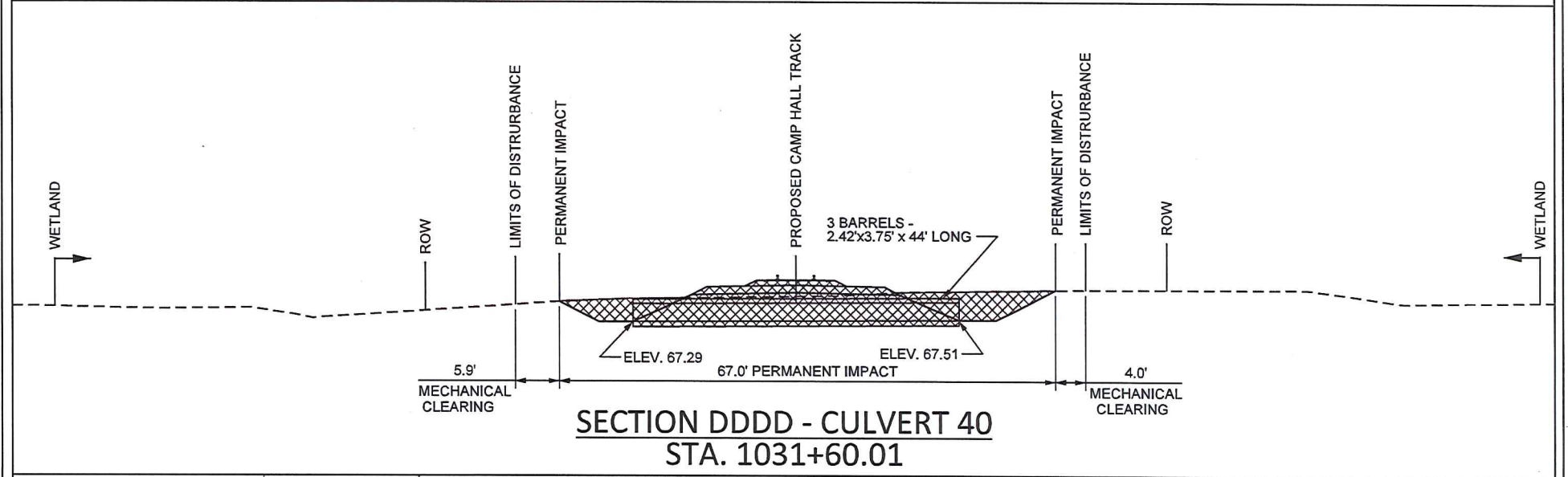
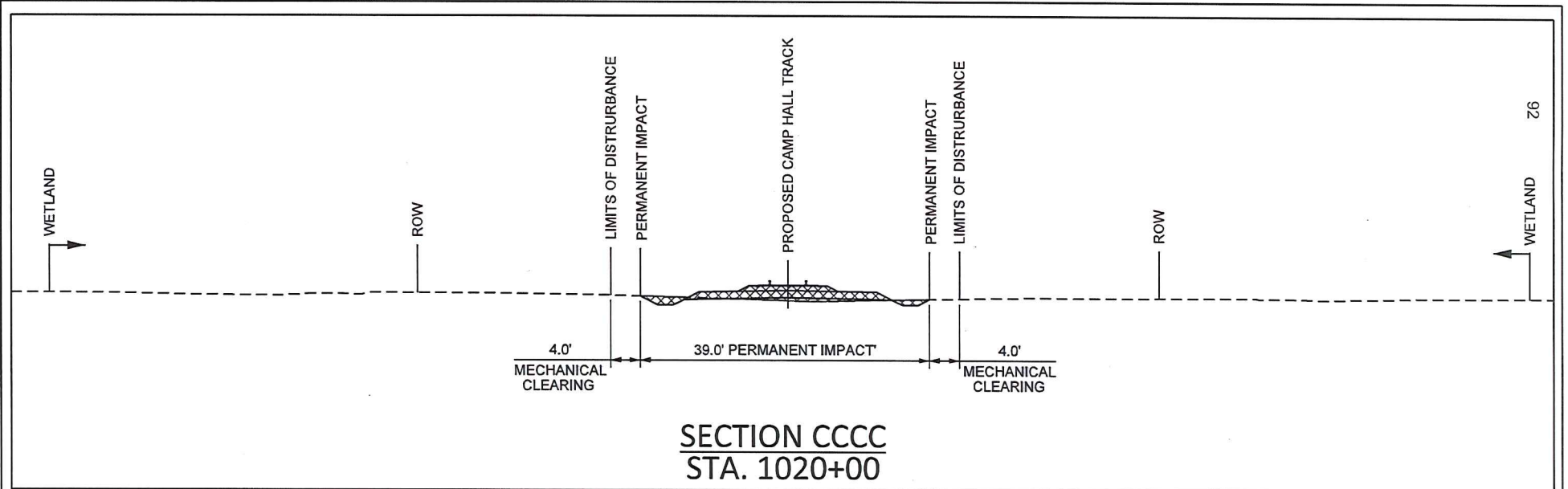


# CROSS SECTION SHEET 37 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 88 OF 106



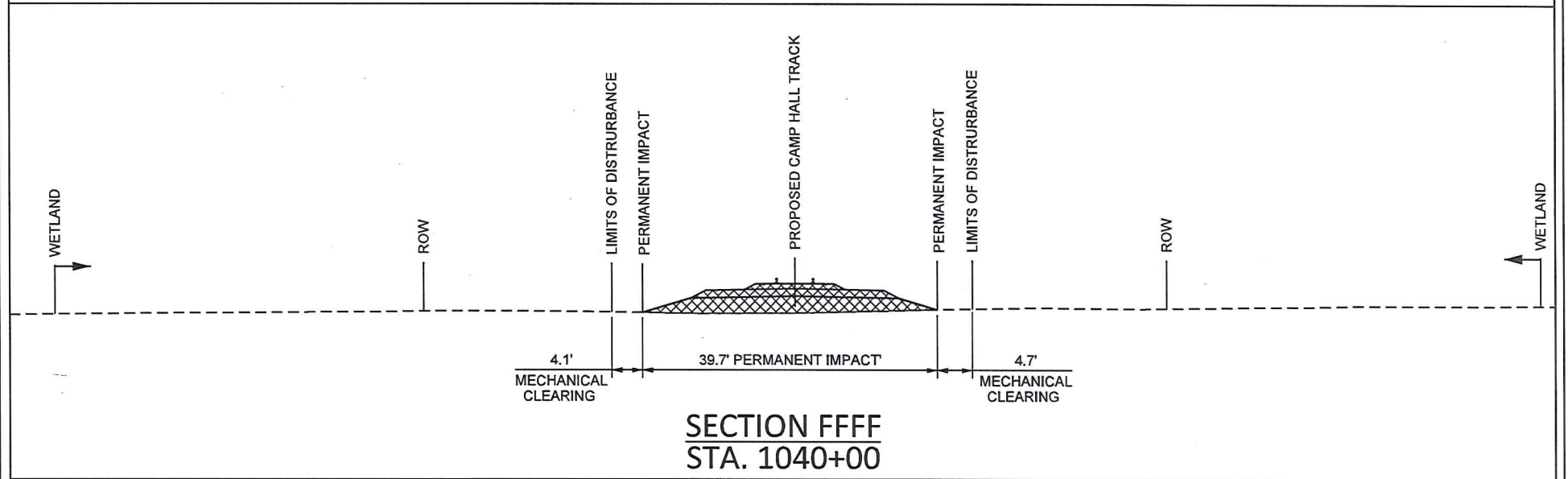
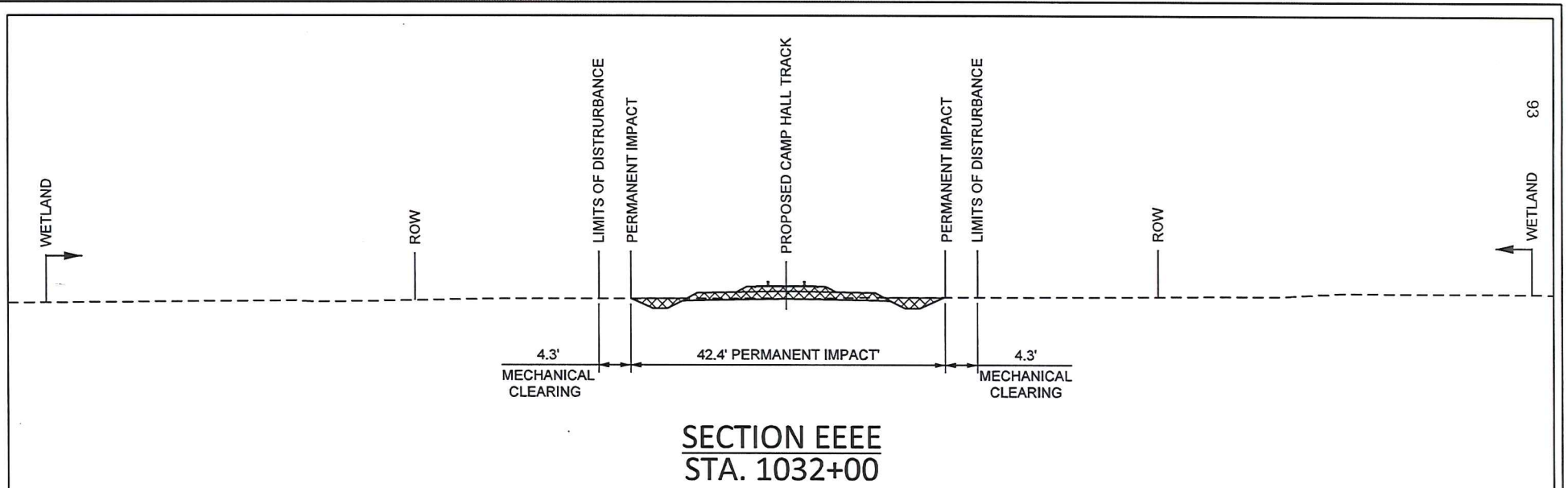


APPLICANT: PALMETTO RAILWAYS



# CROSS SECTION SHEET 38 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 89 OF 106



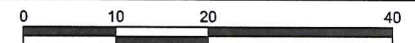
APPLICANT: PALMETTO RAILWAYS

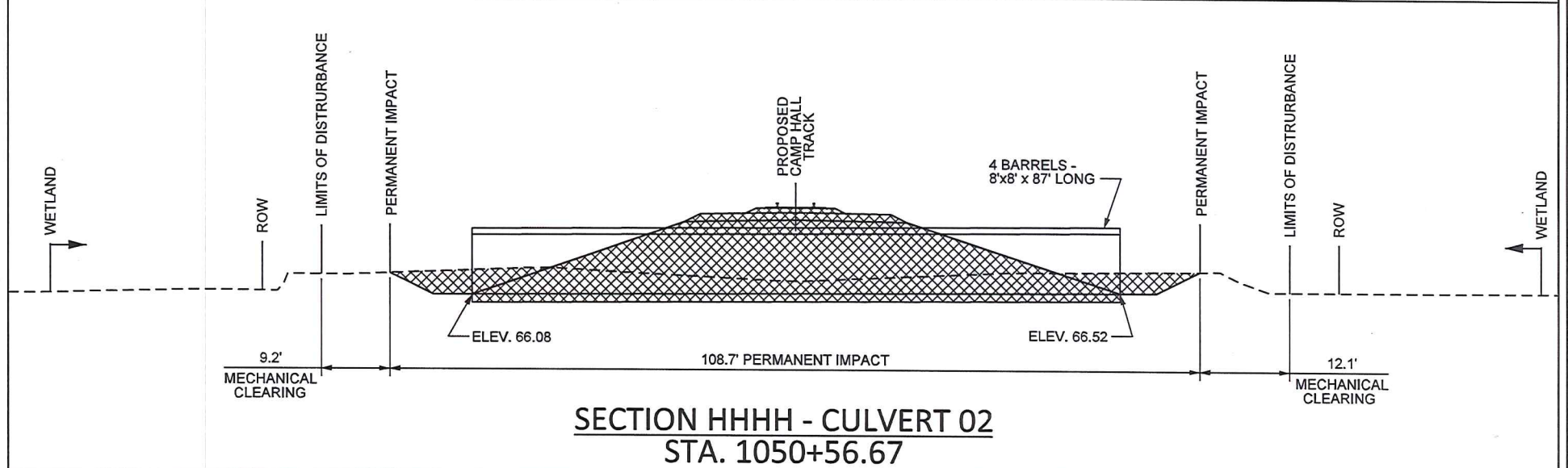
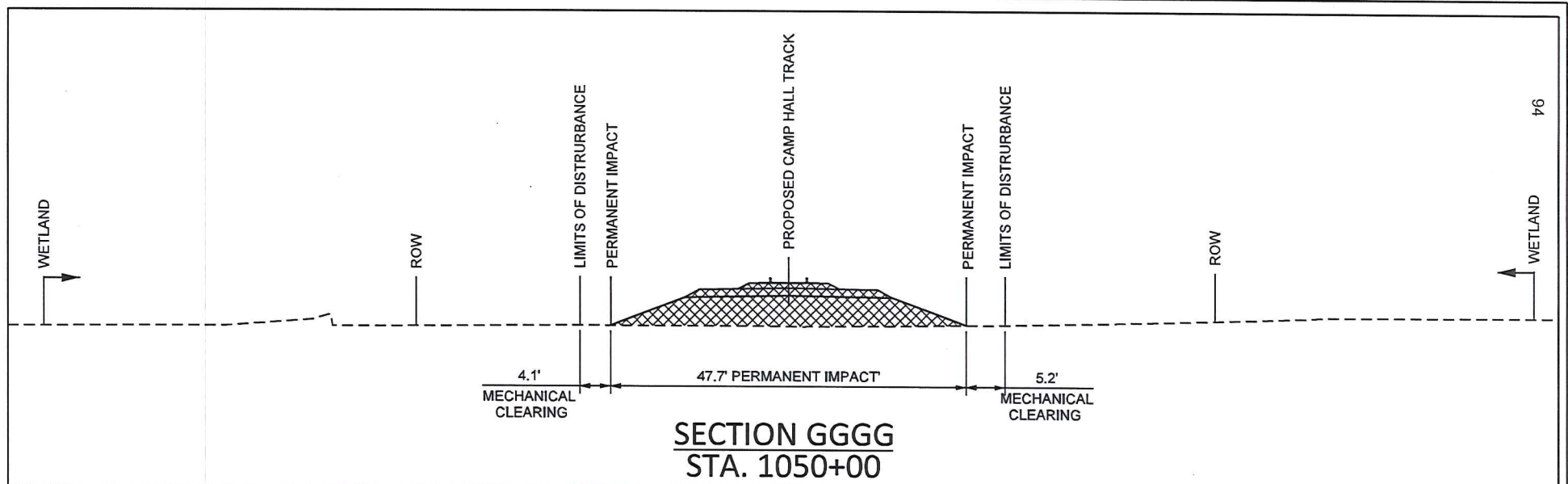


# CROSS SECTION SHEET 39 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 90 OF 106





APPLICANT: PALMETTO RAILWAYS



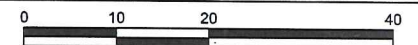
# CROSS SECTION SHEET 40 OF 54

## PERMITTED PLANS

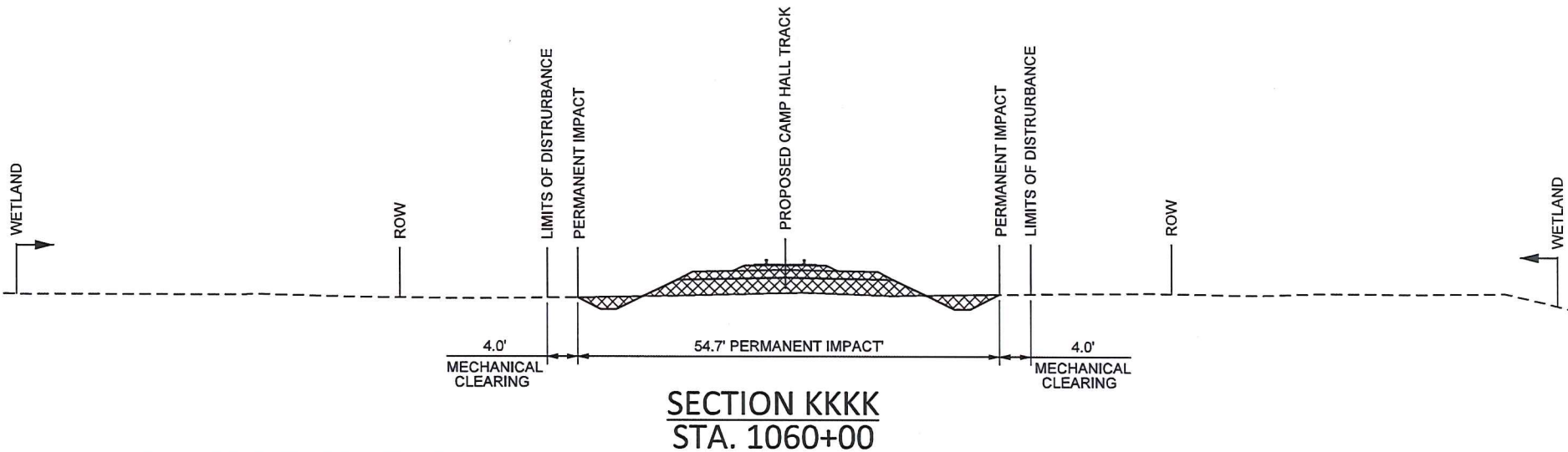
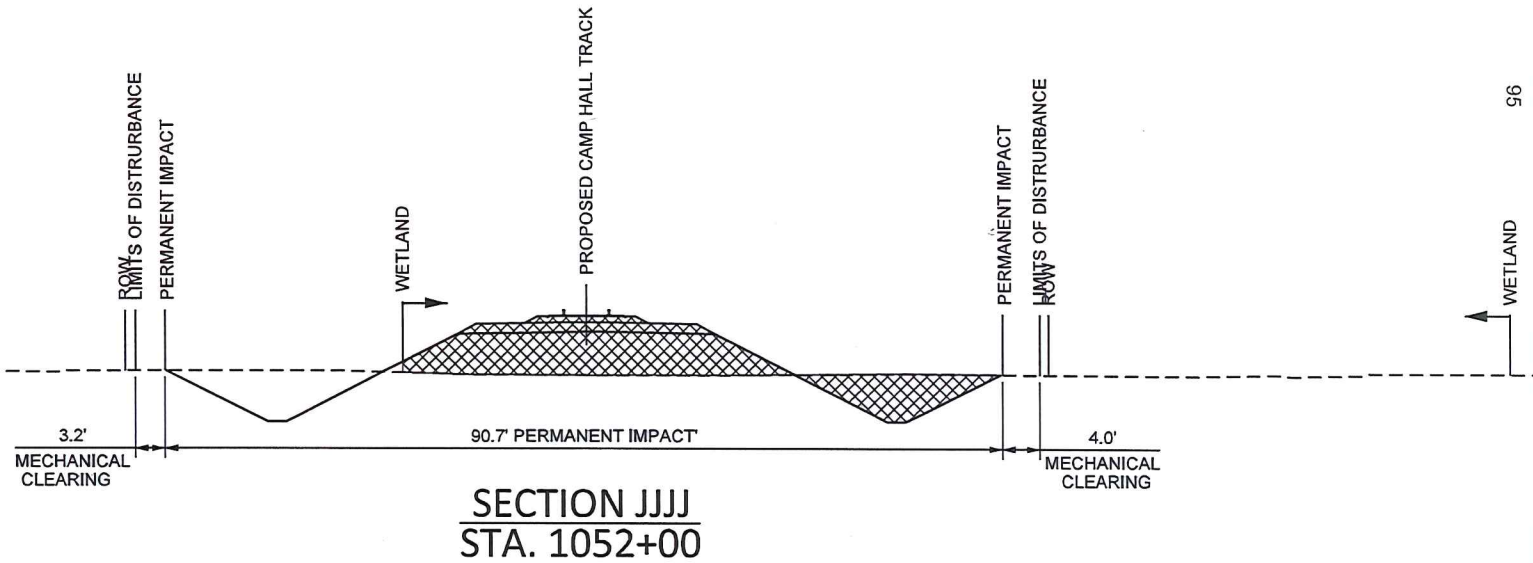
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

DATE: MARCH 2018 SHEET 91 OF 106







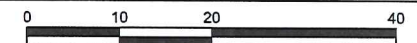
APPLICANT: PALMETTO RAILWAYS

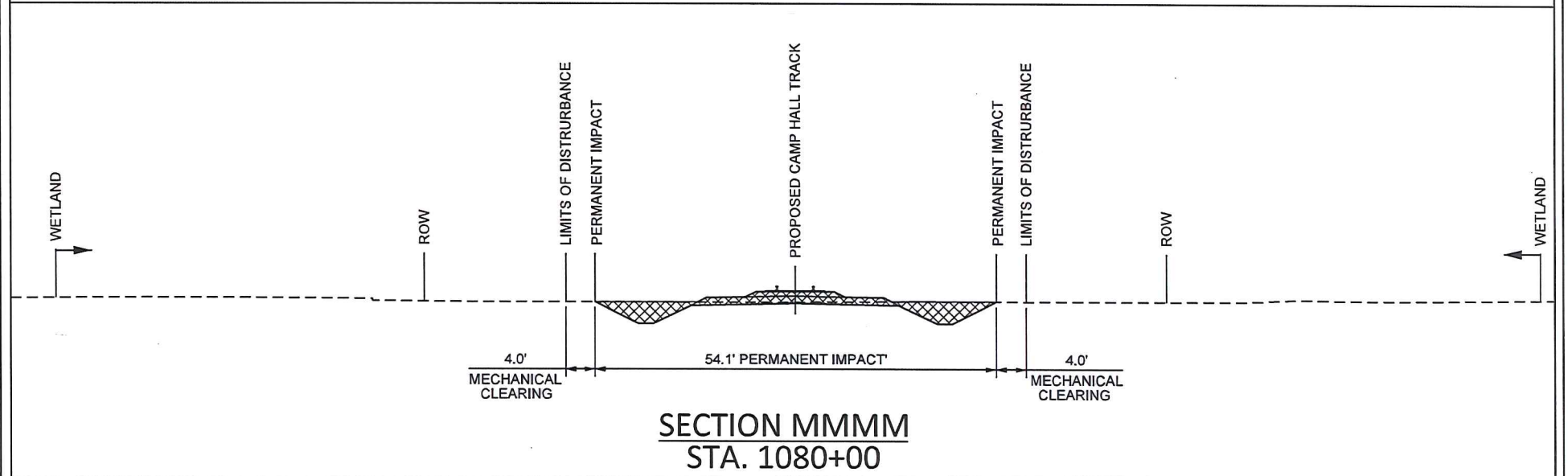
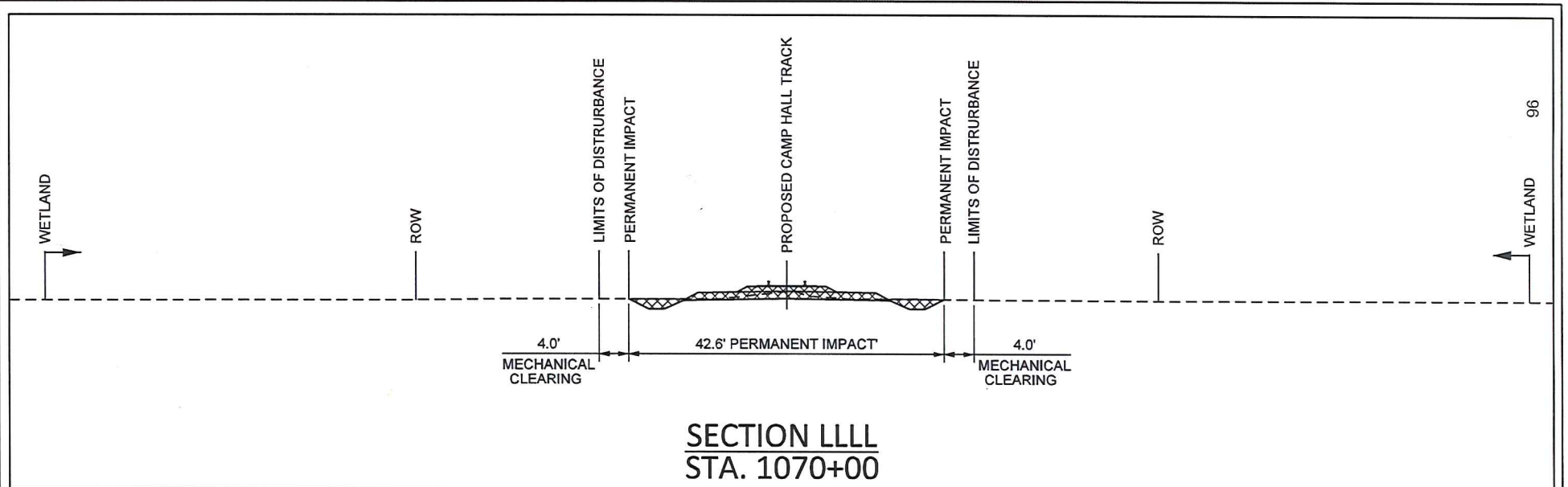


# CROSS SECTION SHEET 41 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 92 OF 106



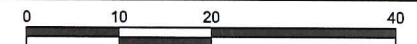


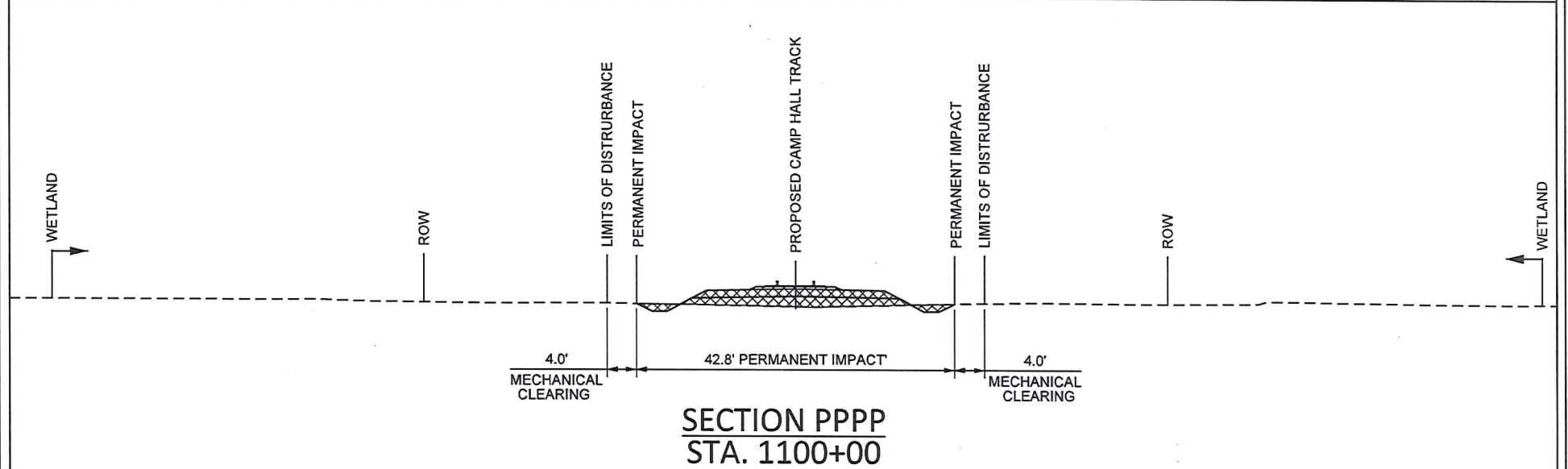
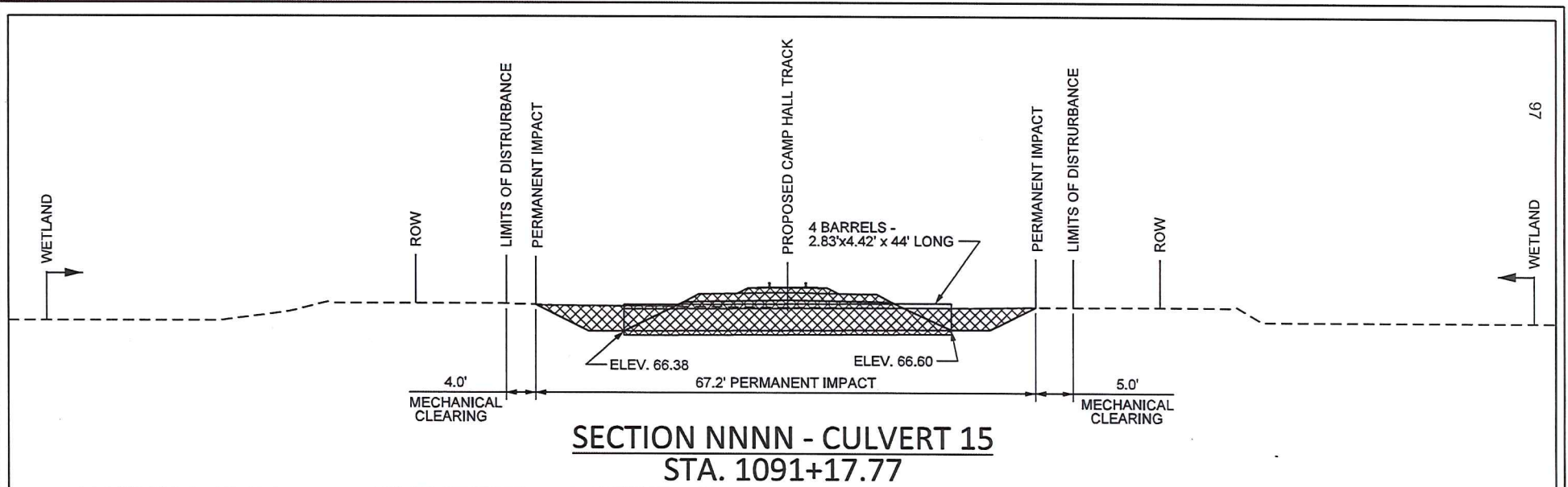
APPLICANT: PALMETTO RAILWAYS



# CROSS SECTION SHEET 42 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS  
CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 93 OF 106



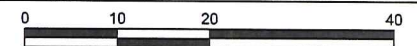


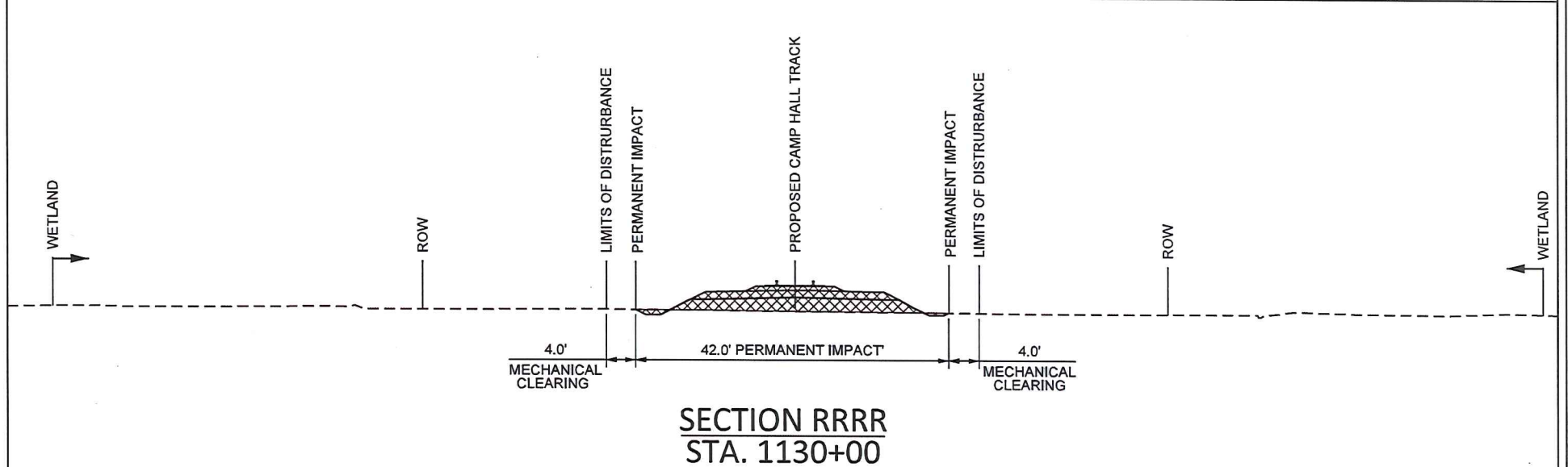
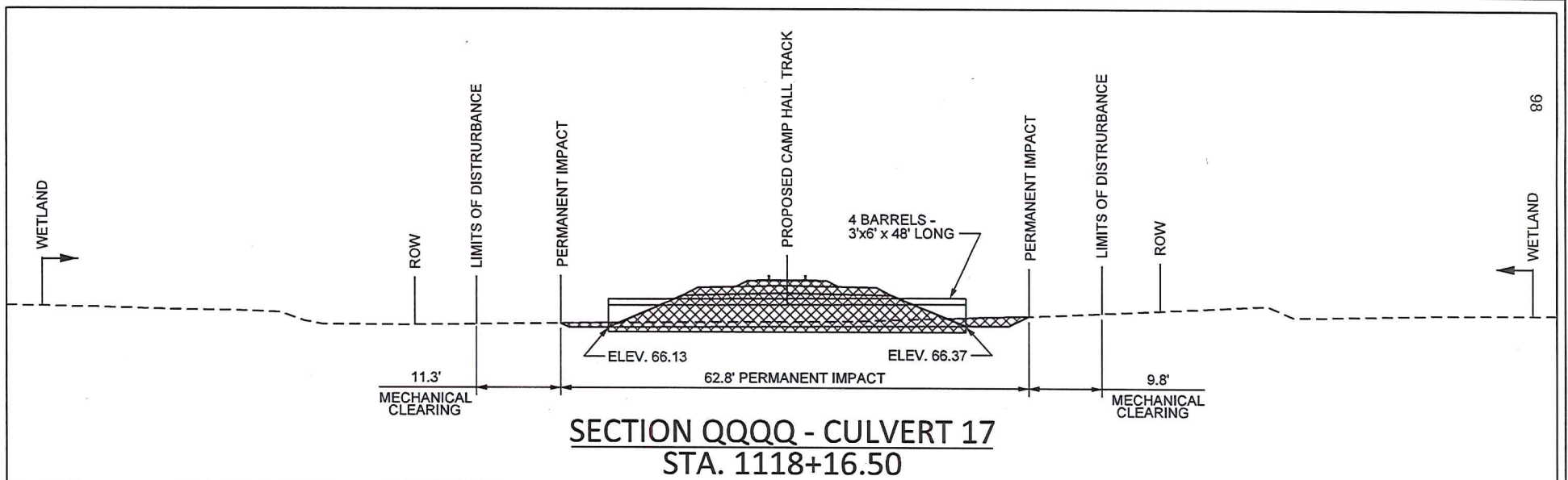
APPLICANT: PALMETTO RAILWAYS



# CROSS SECTION SHEET 43 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 94 OF 106





APPLICANT: PALMETTO RAILWAYS



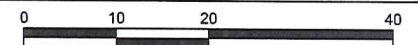
# CROSS SECTION SHEET 44 OF 54

## PERMITTED PLANS

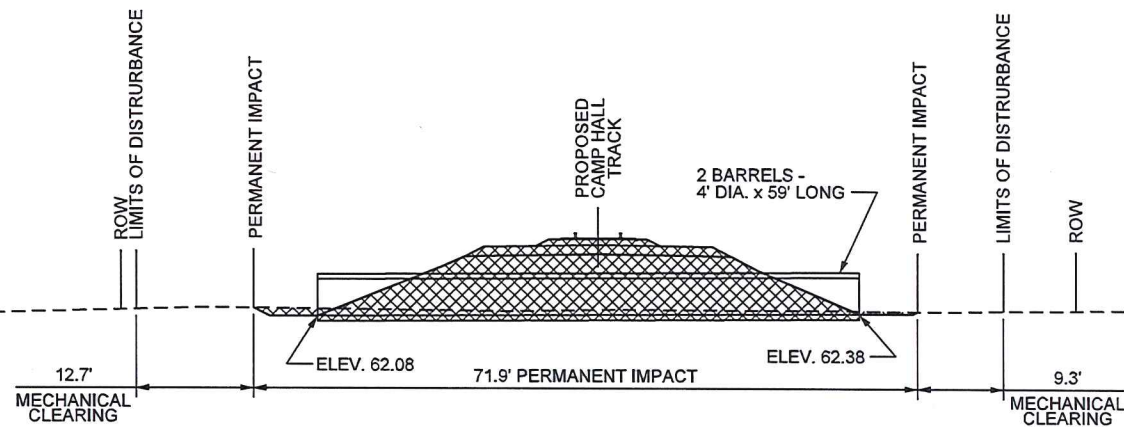
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

APPLICATION # SAC-2016-01395

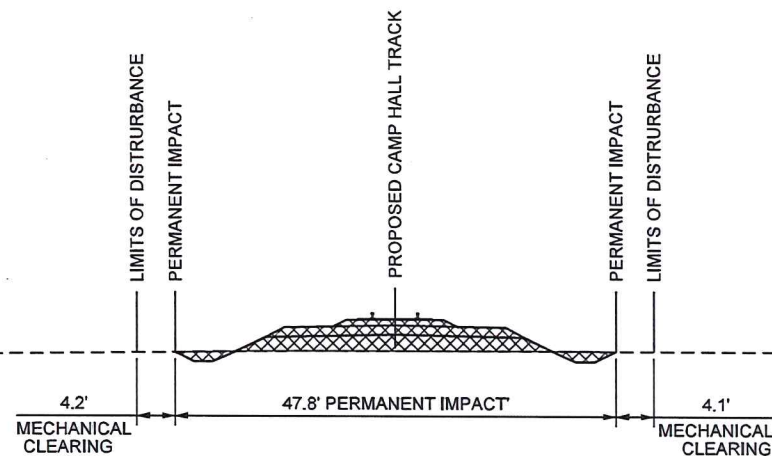
DATE: MARCH 2018 SHEET 95 OF 106







**SECTION SSSS - CULVERT 38**  
**STA. 1142+07.01**



**SECTION TTTT**  
**STA. 1147+00**

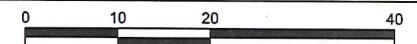


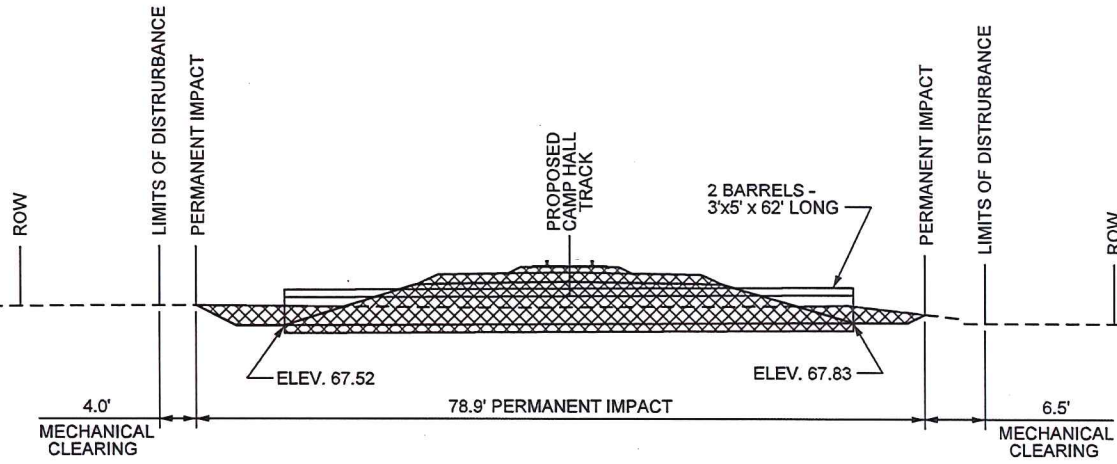
APPLICANT: PALMETTO RAILWAYS



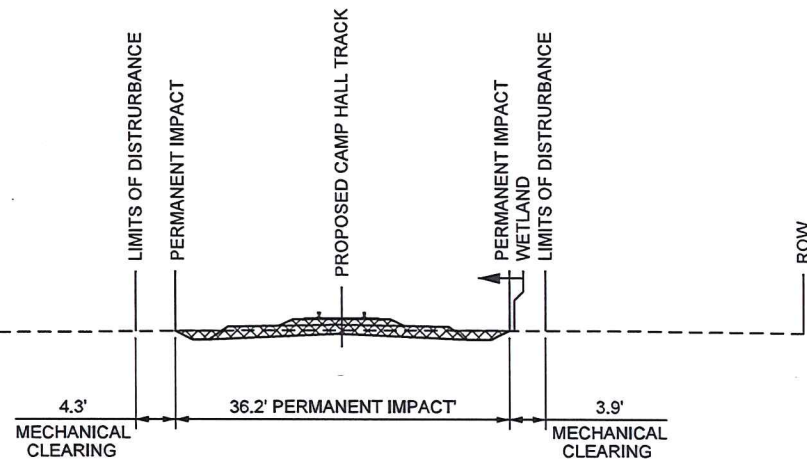
**CROSS SECTION SHEET 45 OF 54**  
**PERMITTED PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 96 OF 106





**SECTION UUUU - CULVERT 20**  
**STA. 1149+62.12**



**SECTION VVVV**  
**STA. 1160+00**

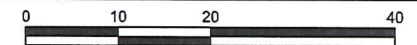


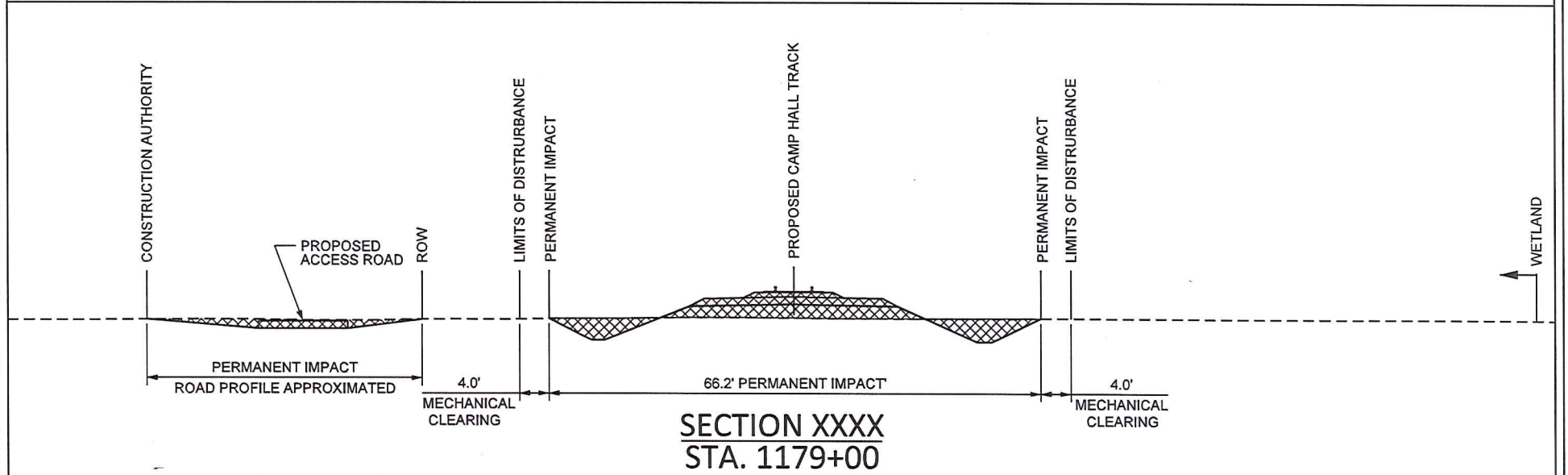
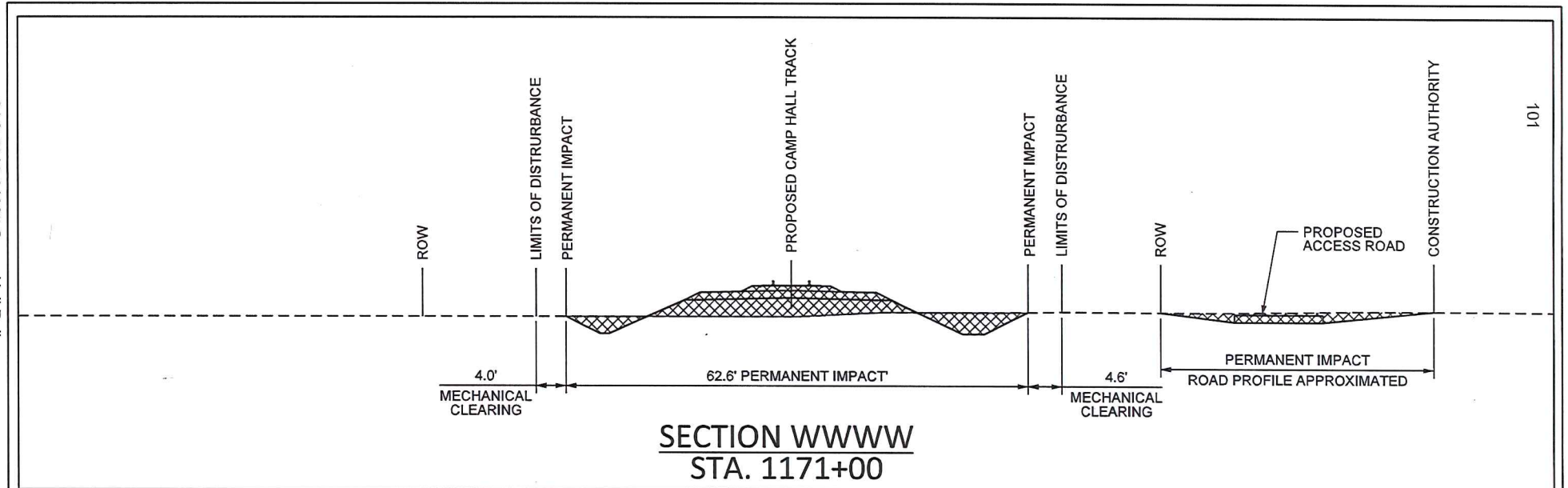
APPLICANT: PALMETTO RAILWAYS



**CROSS SECTION SHEET 46 OF 54**  
**PERMITTED**  
**PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 97 OF 106





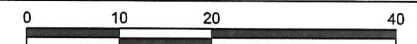
APPLICANT: PALMETTO RAILWAYS

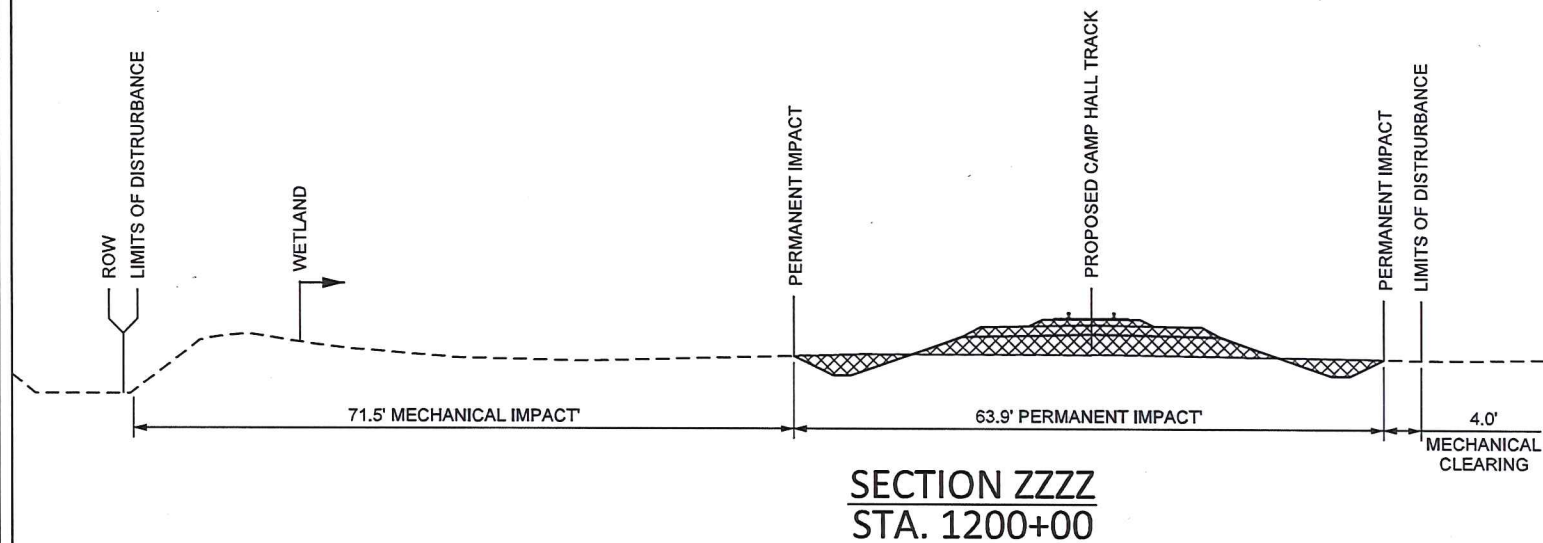
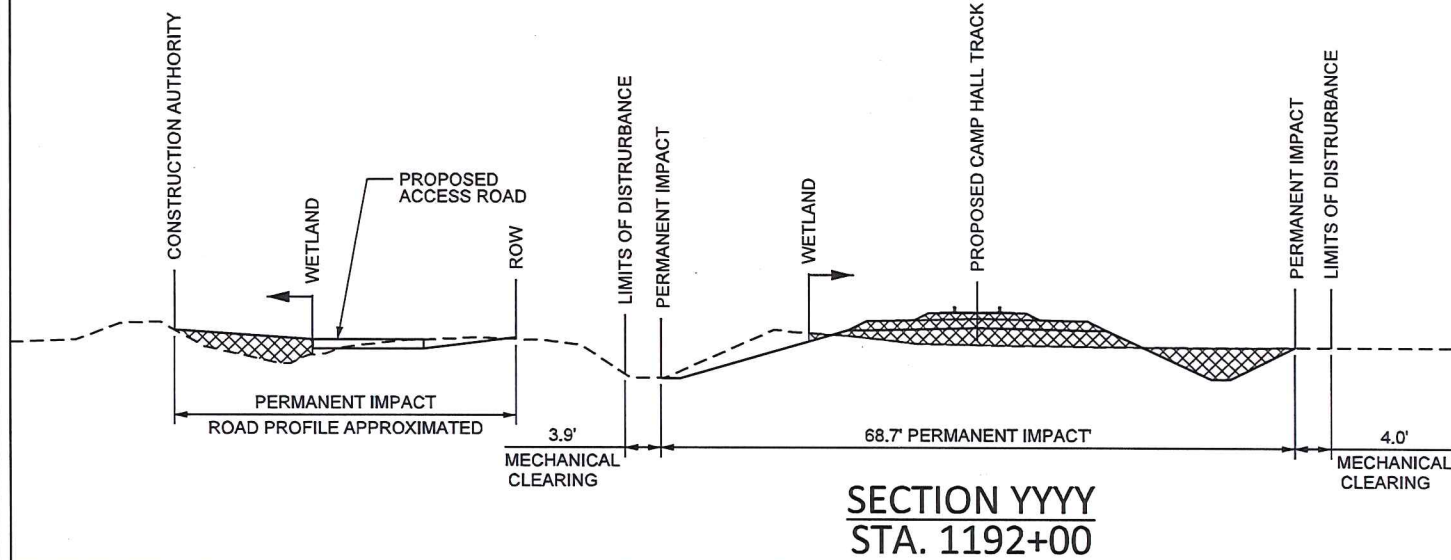


# CROSS SECTION SHEET 47 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 98 OF 106





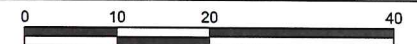
APPLICANT: PALMETTO RAILWAYS



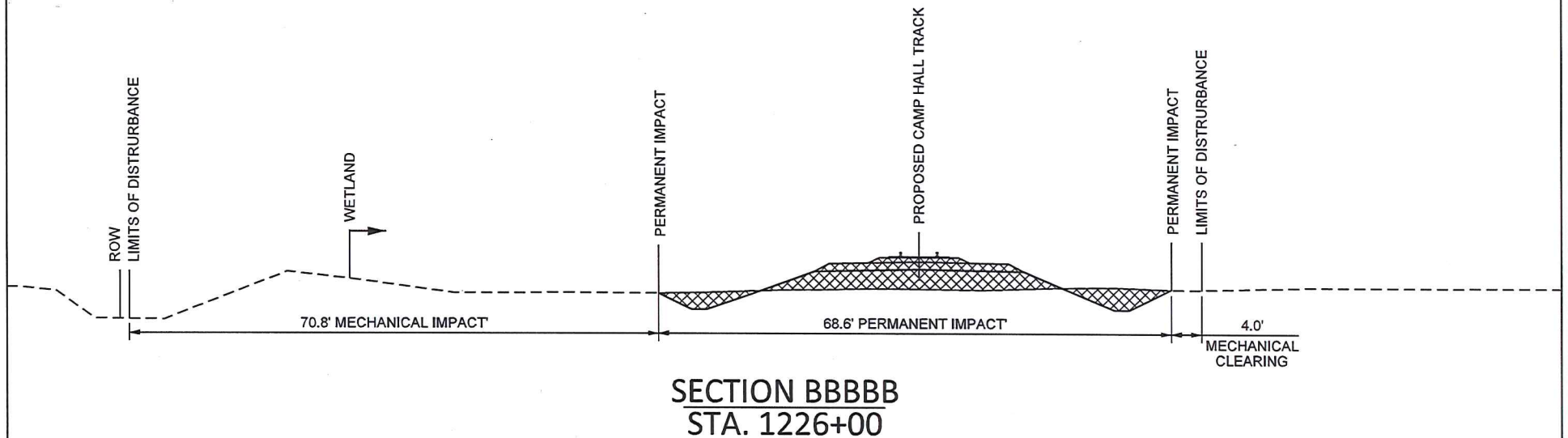
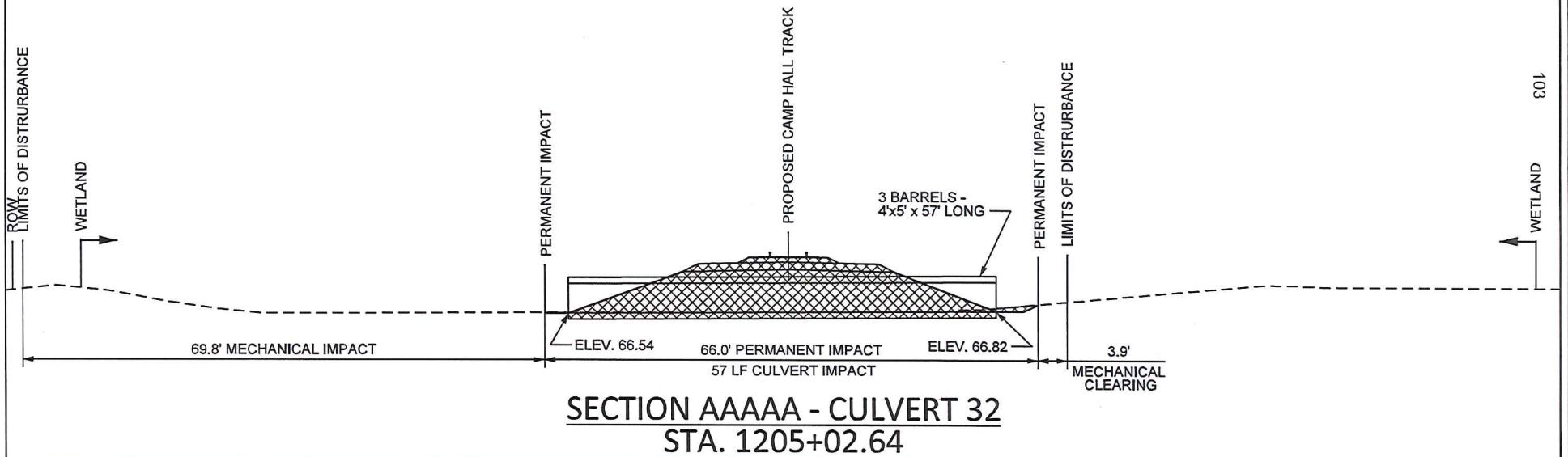
# CROSS SECTION SHEET 48 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 99 OF 106







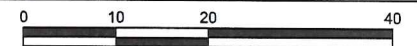
APPLICANT: PALMETTO RAILWAYS

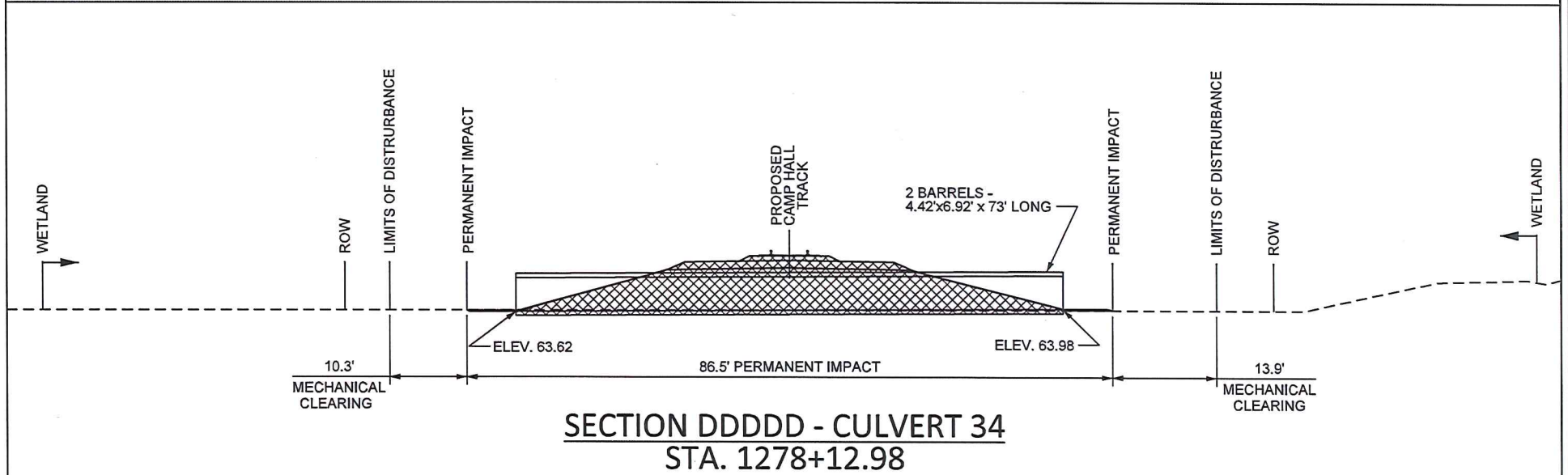
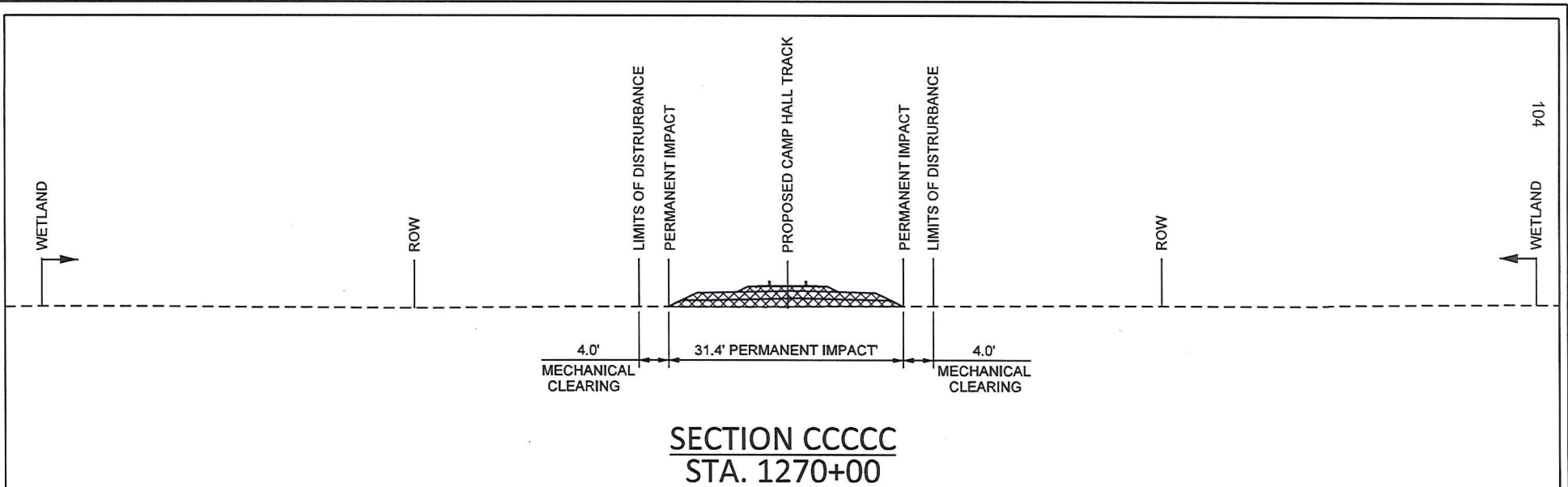


# CROSS SECTION SHEET 49 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 100 OF 106





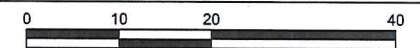
APPLICANT: PALMETTO RAILWAYS

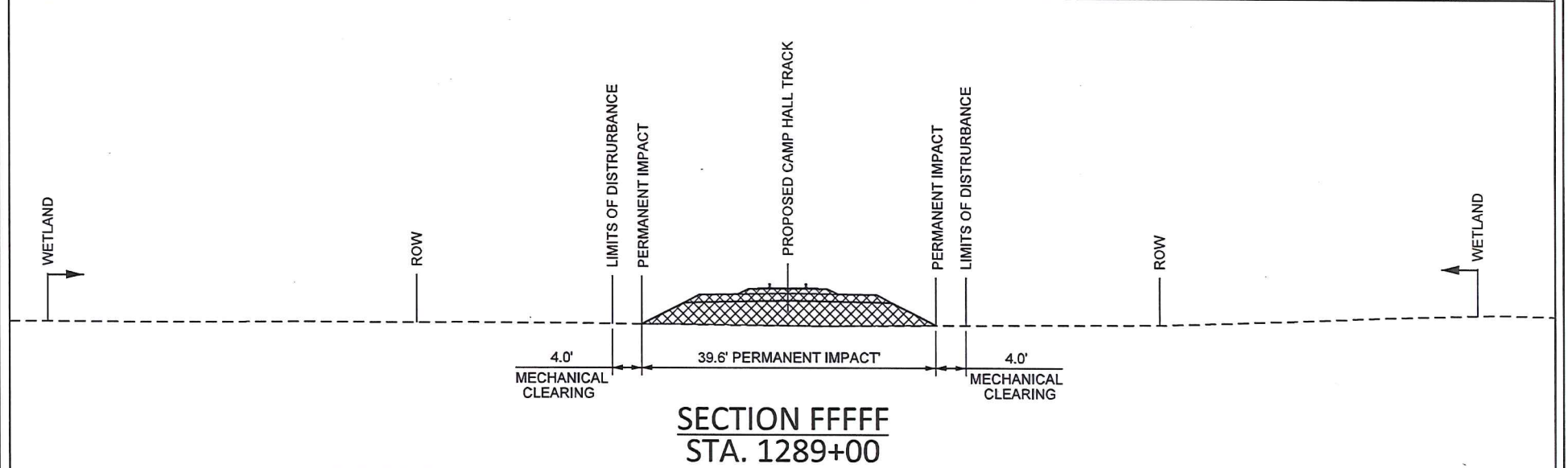
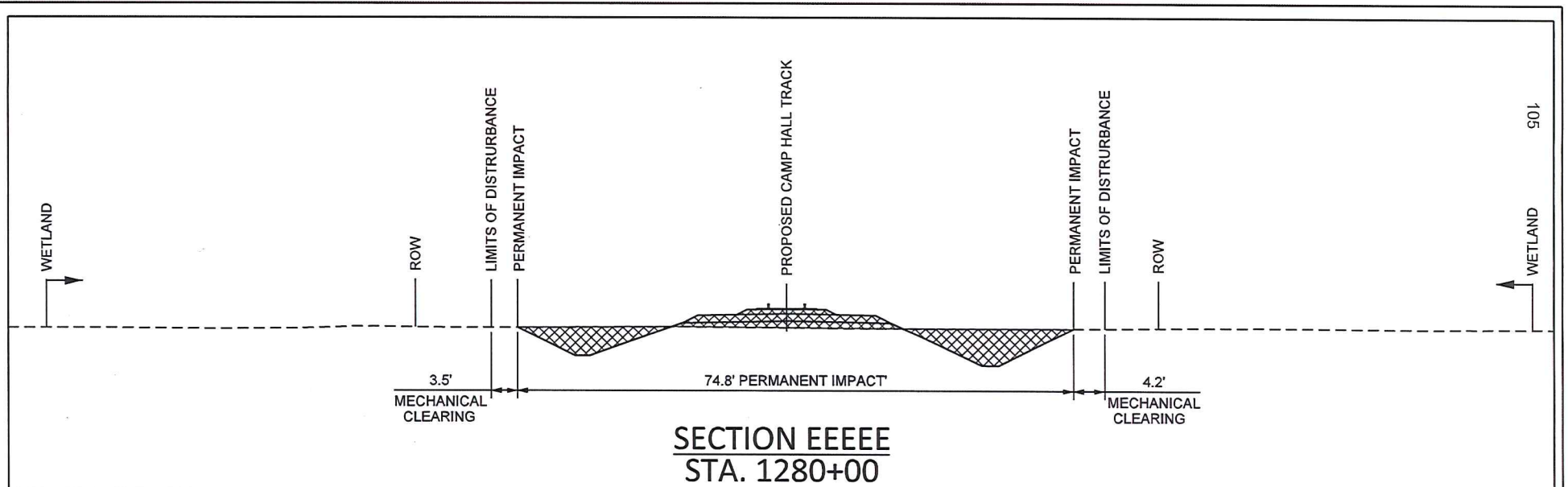


# CROSS SECTION SHEET 50 OF 54

## PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 101 OF 106



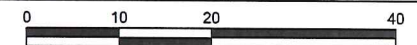


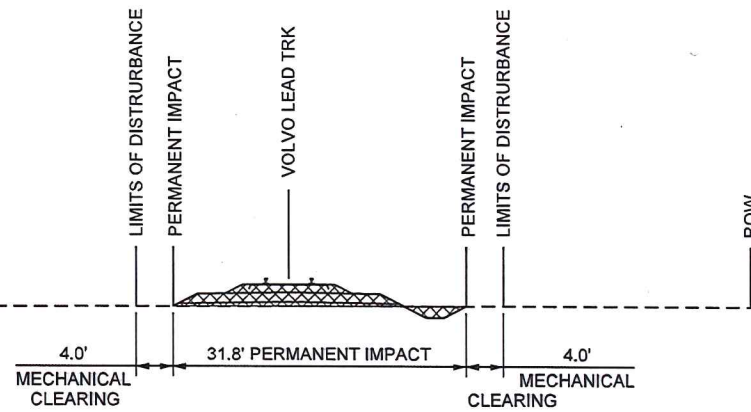
APPLICANT: PALMETTO RAILWAYS



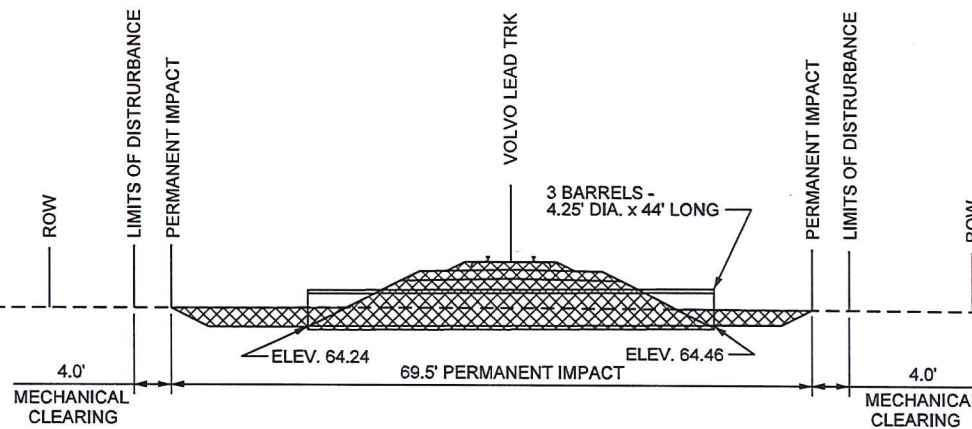
# CROSS SECTION SHEET 51 OF 54 PERMITTED PLANS

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 102 OF 106





**SECTION GGGGG**  
**STA. 115+00**



**SECTION HHHHH - VOLVO LEAD CULVERT**  
**STA. 125+10**

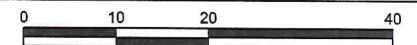


APPLICANT: PALMETTO RAILWAYS

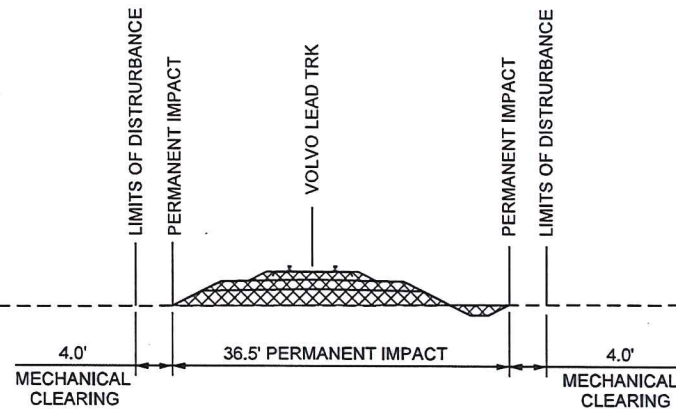


# CROSS SECTION SHEET 52 OF 54 PERMITTED PLANS

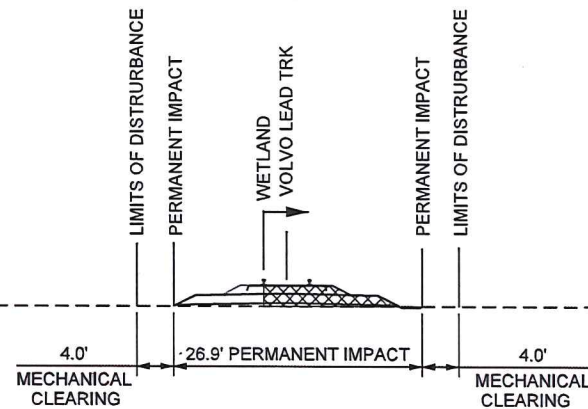
**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 103 OF 106







**SECTION JJJJ**  
**STA. 128+00**



**SECTION KKKK**  
**STA. 149+00**

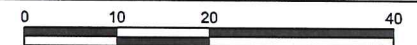
**CROSS SECTION SHEET 53 OF 54**  
**PERMITTED**  
**PLANS**

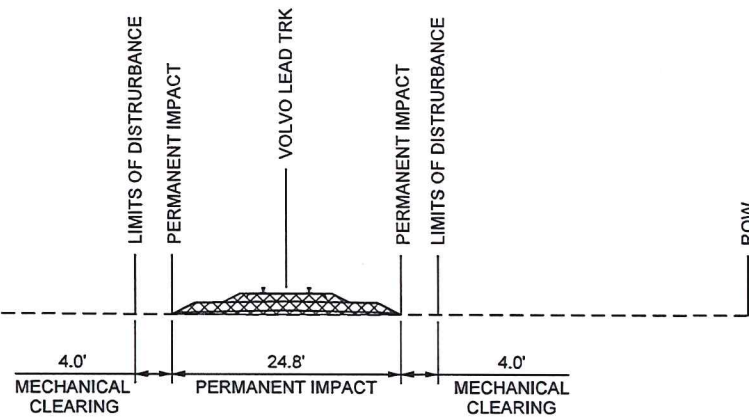


APPLICANT: PALMETTO RAILWAYS



**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
BERKELEY COUNTY, SOUTH CAROLINA  
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
APPLICATION # SAC-2016-01395  
DATE: MARCH 2018 SHEET 104 OF 106





**SECTION LLLLL**  
**STA. 168+00**

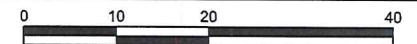


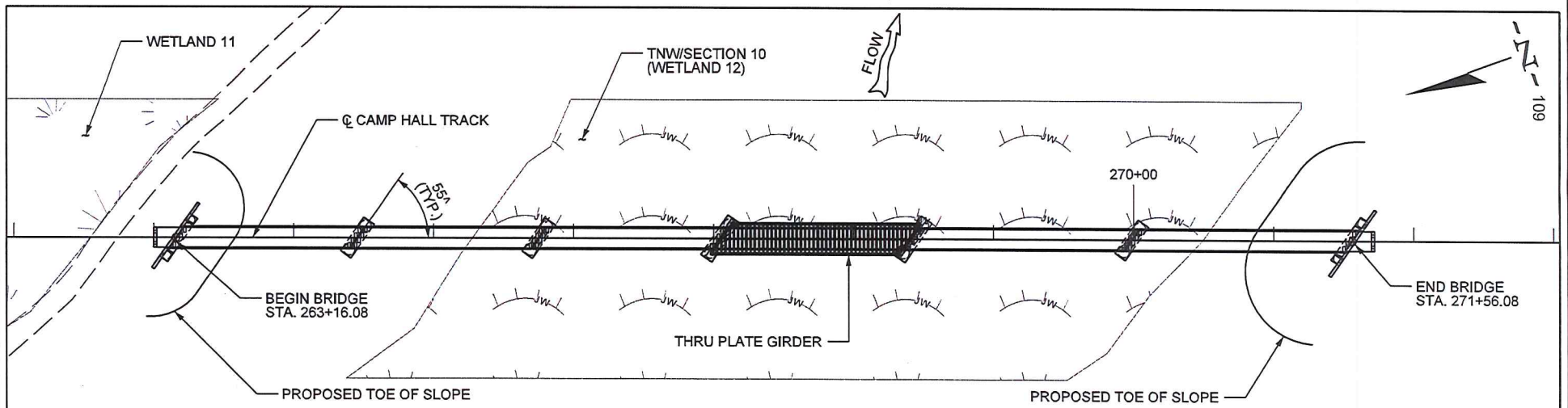
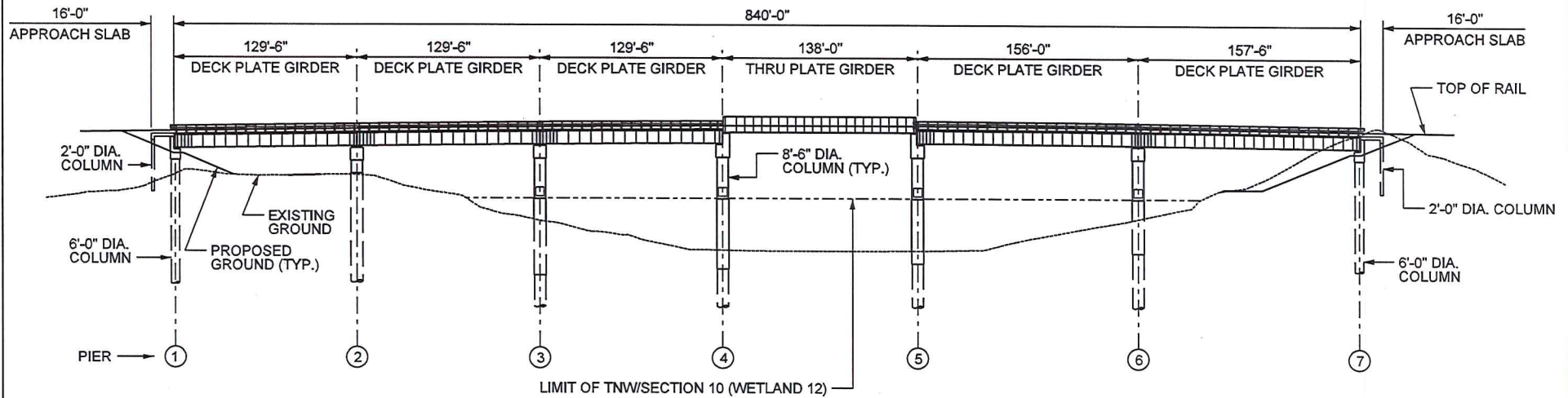
APPLICANT: PALMETTO RAILWAYS



**CROSS SECTION SHEET 54 OF 54**  
**PERMITTED**  
**PLANS**

**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 105 OF 106



PLANPROFILE

# BRIDGE OVER DIVERSION CANAL

## PLAN AND PROFILE

### PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS



**PALMETTO RAILWAYS**  
**CAMP HALL RAIL PROJECT**  
 BERKELEY COUNTY, SOUTH CAROLINA  
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT  
 APPLICATION # SAC-2016-01395  
 DATE: MARCH 2018 SHEET 106 OF 106

