

From: [Estill, Leslie A CIV USARMY CESAC \(USA\)](#)
To: [Wood, Diana](#); Matthew.Mielke@dot.gov; Omar.Beceiro@uscg.mil
Cc: WOCWetlands@dhec.sc.gov; QCRMPermitting@dhec.sc.gov; environmental@dnr.sc.gov; laycock.kelly@epa.gov
Subject: Agency Coordination for SAC-2016-01395 Project Modification Request #2 (Palmetto Rail - Camp Hall Project)
Date: Thursday, October 10, 2024 12:28:41 PM
Attachments: [Phases 1-5 Figure.pdf](#)

You don't often get email from 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 September 4, 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 10.6 miles of the southern section of the rail line, phases 4 and 5, of 5 (see attached figure). The design changes result in a net reduction of 0.58 acres of wetland impact and a net reduction of 273 linear feet of stream impact.

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

- Original May 7, 2019 DA permit and figures
- Palmetto Railways Camp Hall Rail Project", Sheets 1-133 of 133, dated August 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 October 25, 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 Project Modification Request #2. If you have any questions or would like additional information, please call or email me.

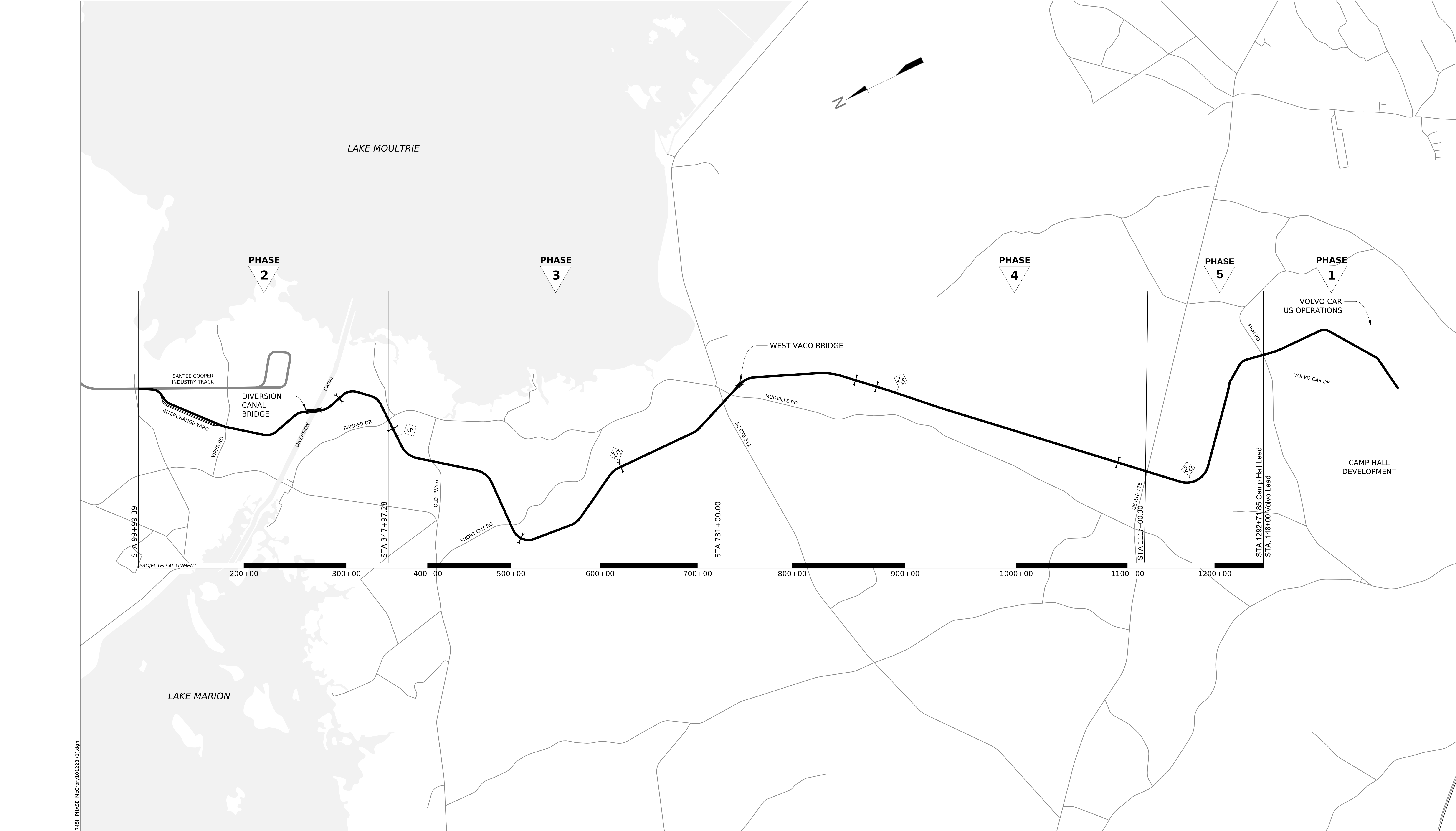
Respectfully,

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

Leslie.A.Estill@usace.army.mil

Office 843-329-8039

Cell 843-697-4023



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4969 Centre Point Drive, Suite 102
North Charleston, SC 29418-6975
o. 843.207.2020 | f. 843.207.2030
stvinc.com



CAMP HALL RAIL PROJECT

RAIL ENGINEER

HYDRAULIC ENGINEER

DESIGNED	DWW	6				
DRAWN	DWW	5				
CHECKED	JEO	4				
DATE	10/13/23	3				
PROJECT NO. 4021745		2				
		1				
REV.		BY	DATE	DESCRIPTION		

LEGEND

 PUBLIC HIGHWAY CROSSING

 ACCESS ROAD CROSSING

 BRIDGE

 MAJOR CULVERT CROSSING

NOTE: PHASE 4 & 5 MAY BE COMBINED

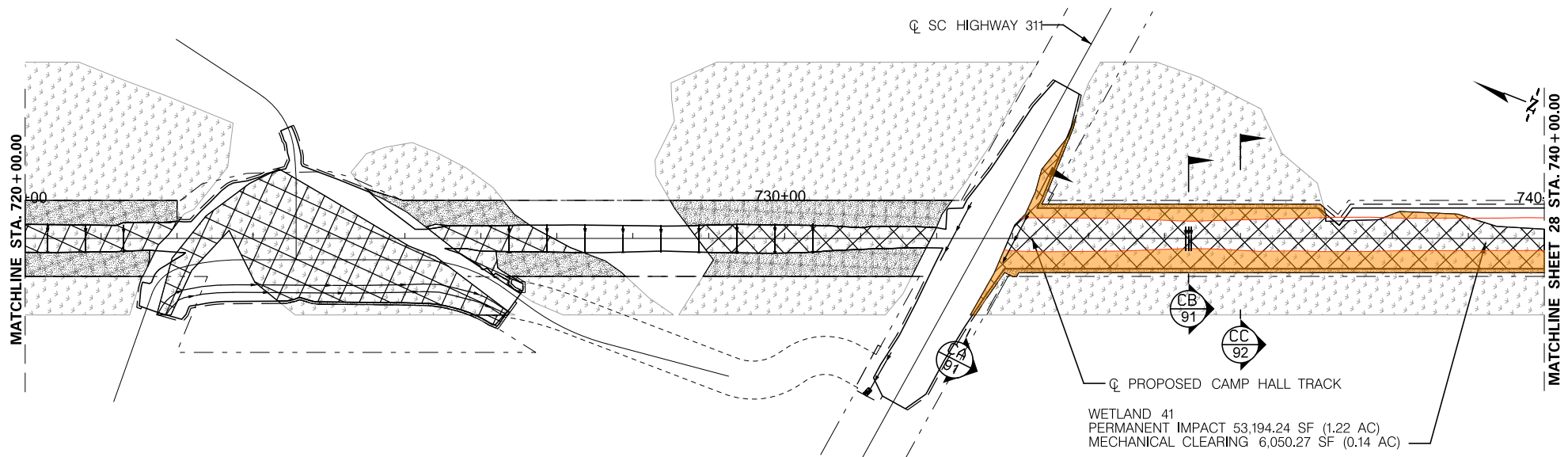
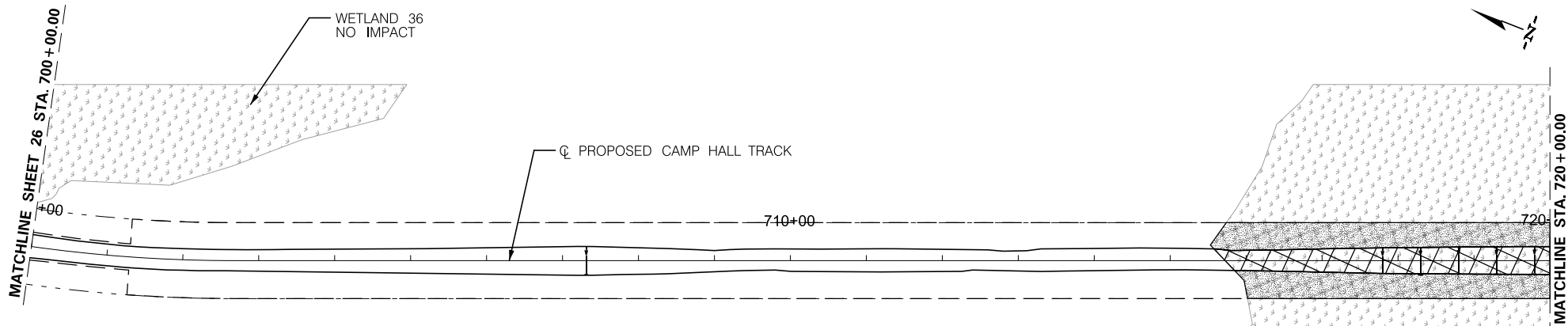
CONSTRUCTION PHASE MAP

SCALE: N.T.S.

G-012

SHEET

OF



PERMITTEE: PALMETTO RAILWAYS



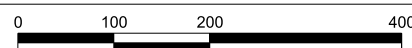
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	22,553.81	0.52
MECHANICAL CLEARING WETLAND IMPACT	36,719.09	0.84
PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	59,272.90	1.36

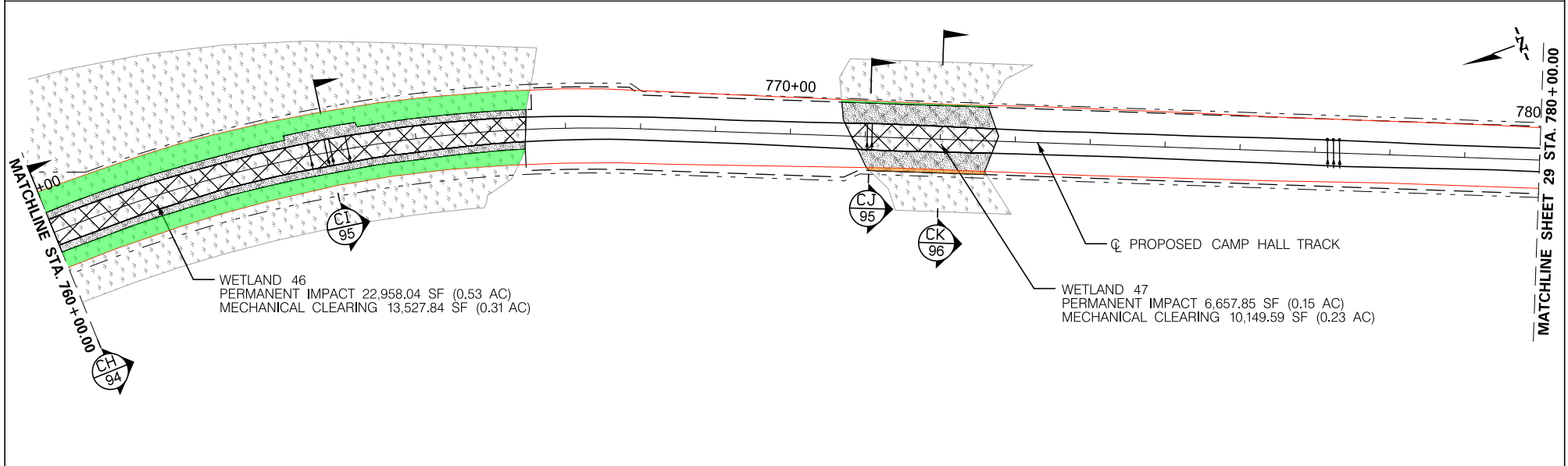
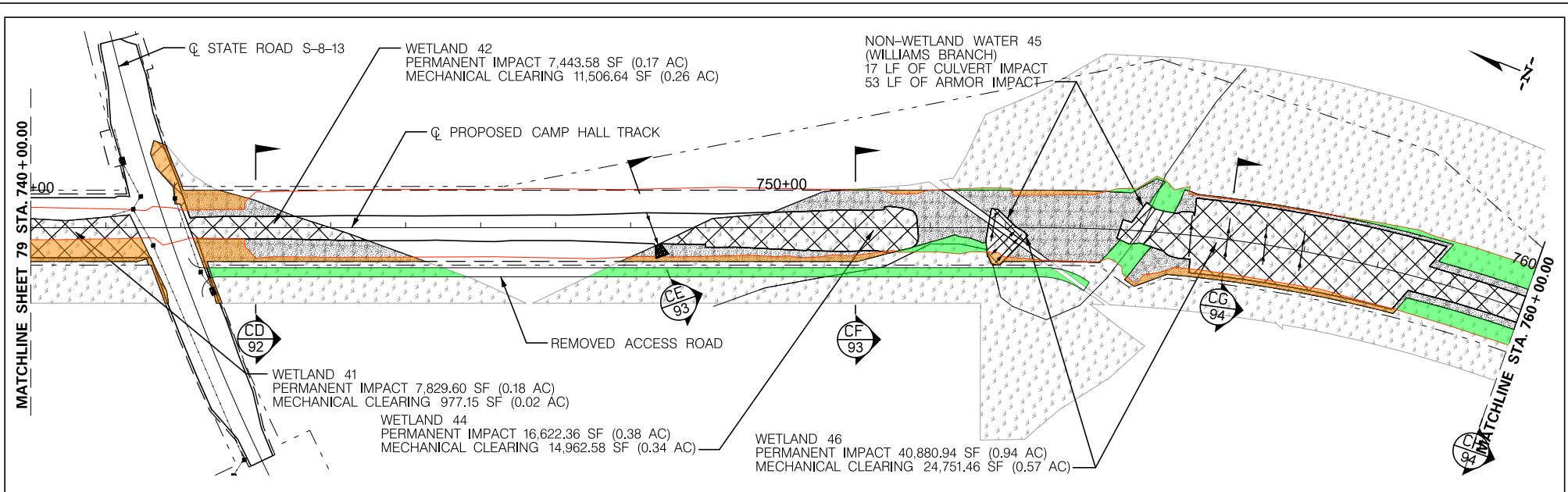
	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

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

PERMIT # SAC-2016-01395

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Palmetto RAILWAYS®

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IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	84,364.47	1.94
MECHANICAL CLEARING WETLAND IMPACT	94,648.29	2.17
PERMANENT CULVERT IMPACT	--	--
PERMANENT PIPE IMPACT	--	--
NON-WETLAND WATER	--	--
TOTAL IMPACTS	179,012.76	4.11

	TNW/SECTION 10 WATERS
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
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MATCHLINE SHEET 29 STA. 780+00.00

MATCHLINE STA. 800+00.00

MATCHLINE STA. 800+00.00

MATCHLINE SHEET 30 STA. 820+00.00

WETLAND 48
PERMANENT IMPACT 22,399.18 SF (0.51 AC)
MECHANICAL CLEARING 14,043.63 SF (0.32 AC)

WETLAND 49
PERMANENT IMPACT 1,973.47 SF (0.05 AC)
MECHANICAL CLEARING 1,595.67 SF (0.04 AC)

WETLAND 49
PERMANENT IMPACT 22,719.99 SF (0.52 AC)
MECHANICAL CLEARING 14,750.84 SF (0.34 AC)

WETLAND 50
PERMANENT IMPACT 23,962.68 SF (0.55 AC)
MECHANICAL CLEARING 4,128.98 SF (0.09 AC)



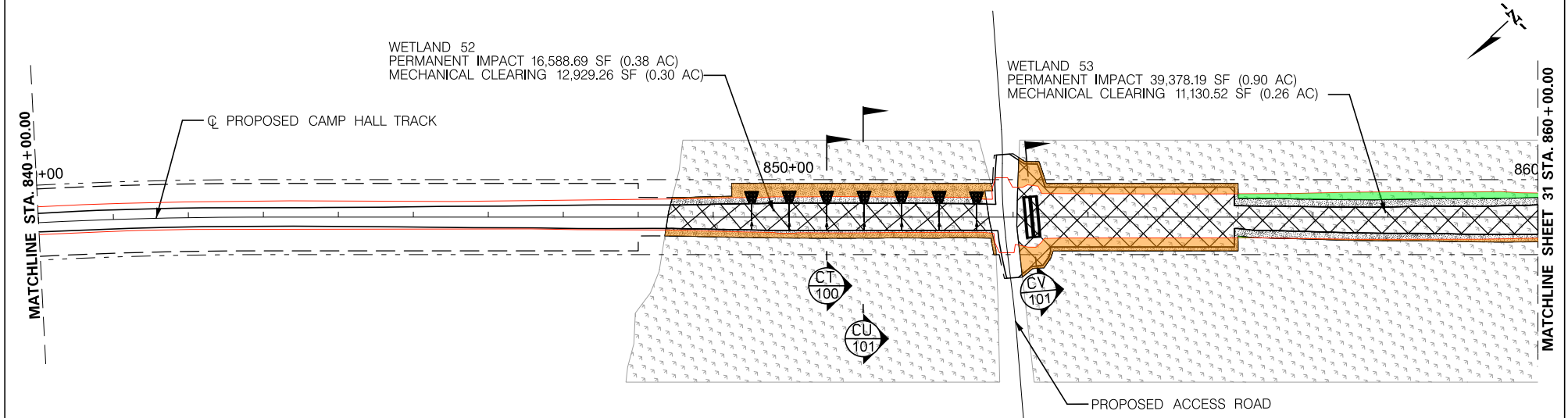
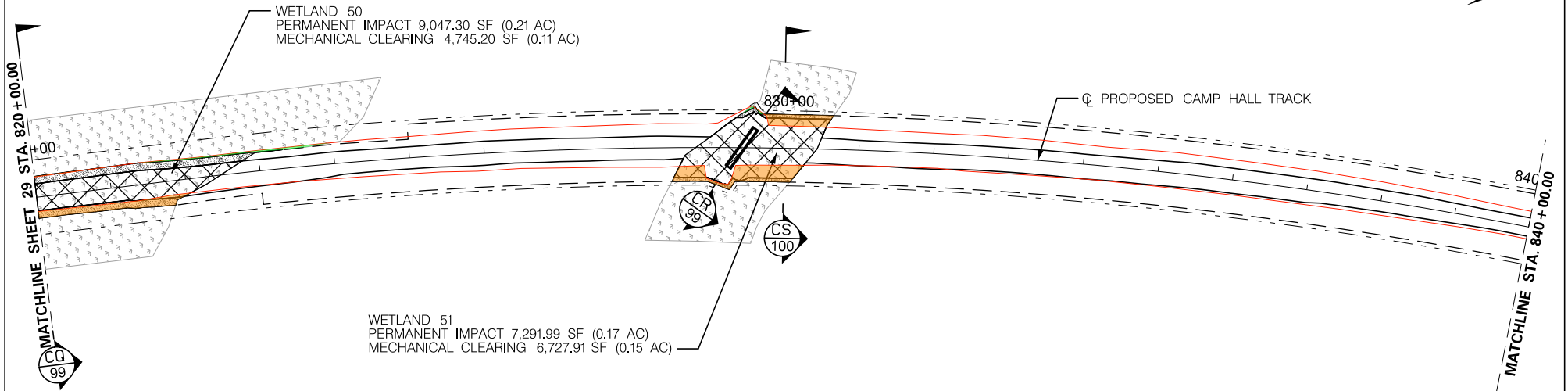
PERMITTEE: PALMETTO RAILWAYS

IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	61,437.13	1.41
MECHANICAL CLEARING WETLAND IMPACT	44,137.68	1.01
PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	105,574.81	2.42

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IMPACTS		SF	AC
	PERMANENT WETLAND IMPACT (CUT/FILL)	60,479.88	1.39
	MECHANICAL CLEARING WETLAND IMPACT	47,355.99	1.09
	PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
	PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS		107,835.87	2.48

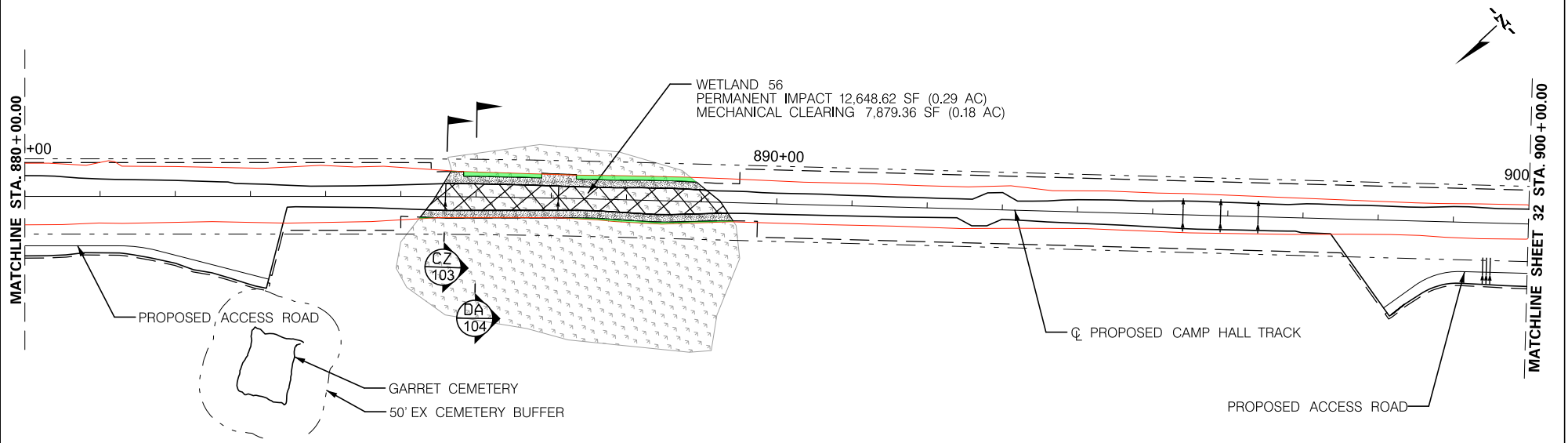
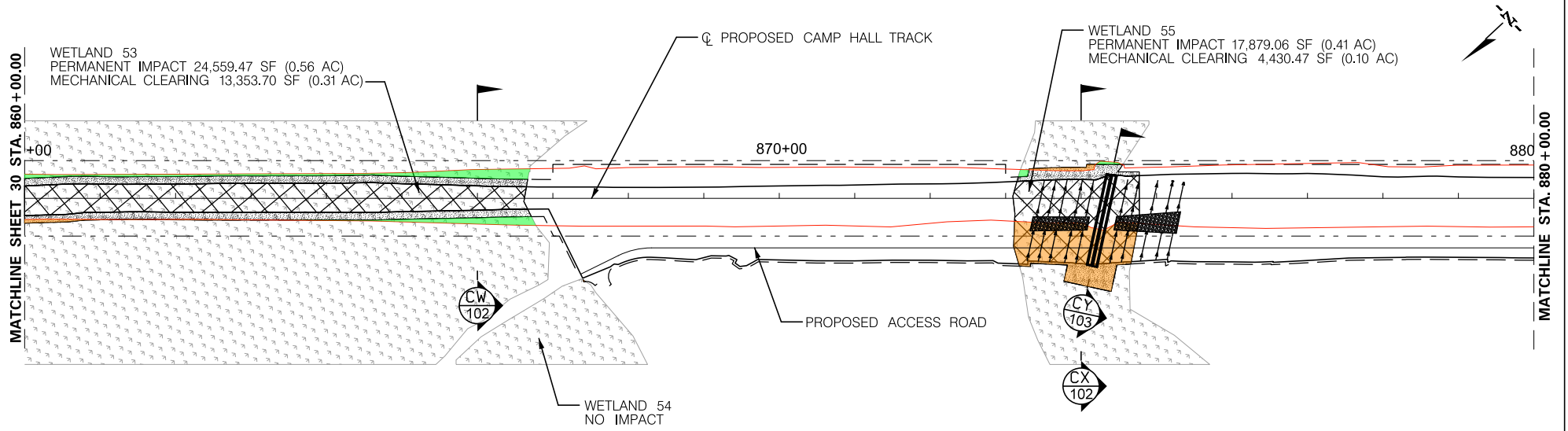
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PALMETTO RAILWAYS
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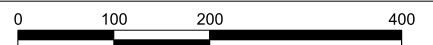
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	55,087.15	1.26
MECHANICAL CLEARING WETLAND IMPACT	25,663.53	0.59
PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	80,750.68	1.85

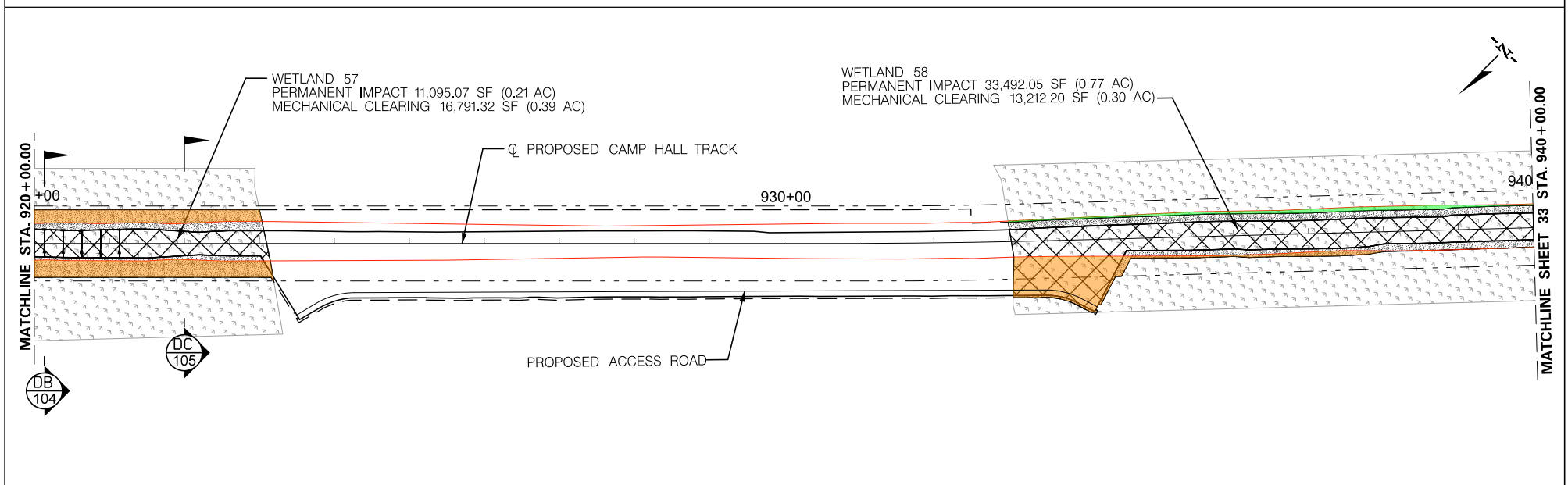
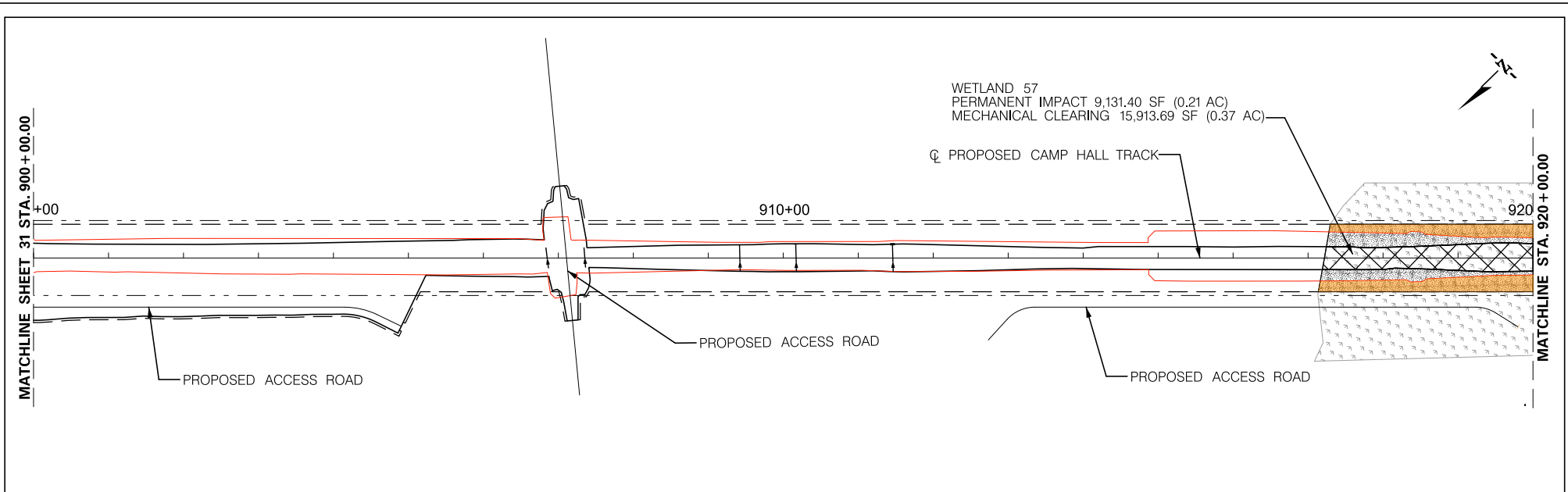
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	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
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	PERMANENT IMPACT
	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

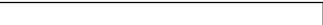
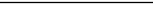
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 BERKELEY COUNTY, SOUTH CAROLINA
 DEPARTMENT OF ARMY 404 PERMIT

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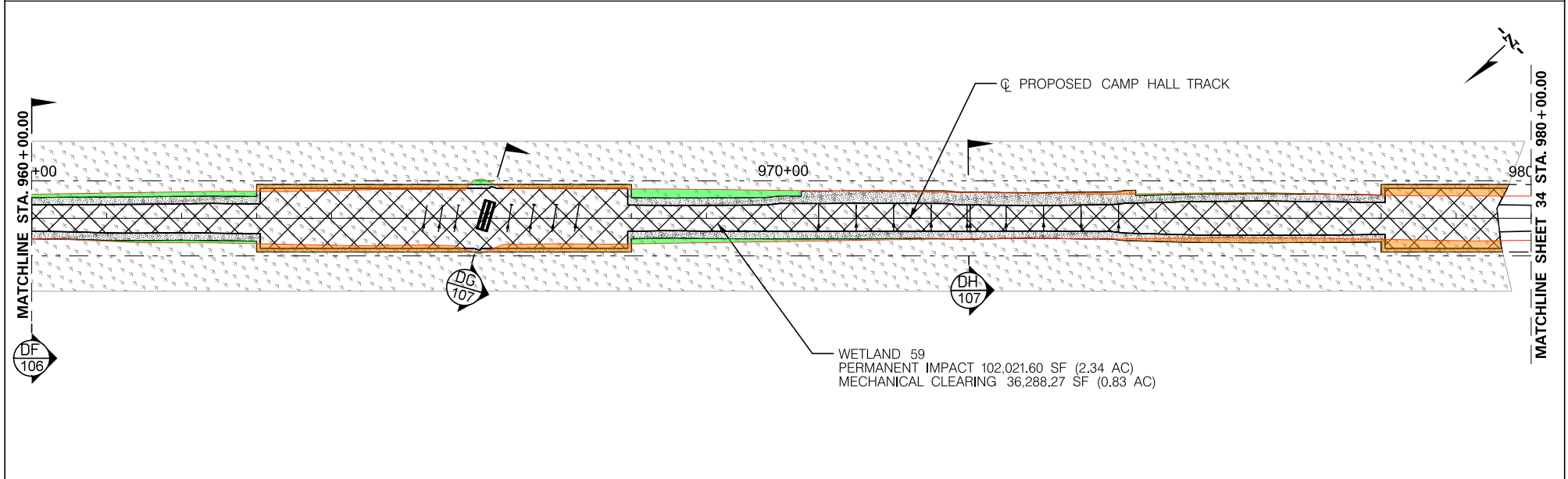
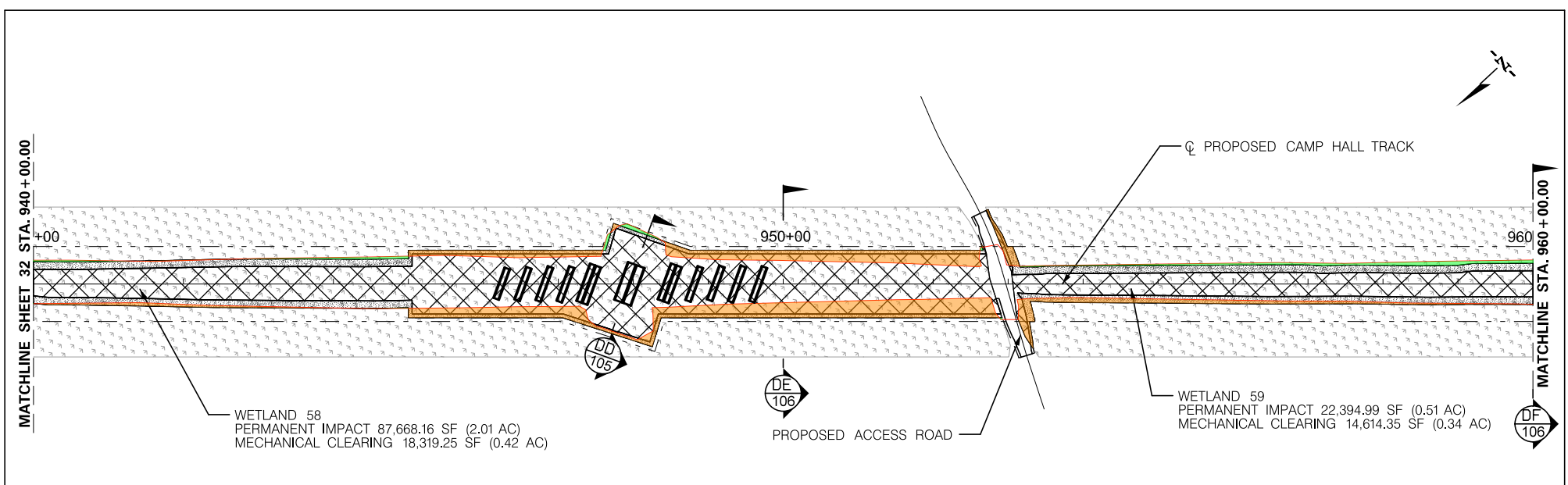
DATE: AUGUST 2024 SHEET 31 OF 133





 Palmetto RAILWAYS®		IMPACTS		SF	AC	  ----- ----- -----  -----<
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PERMITTEE: PALMETTO RAILWAYS

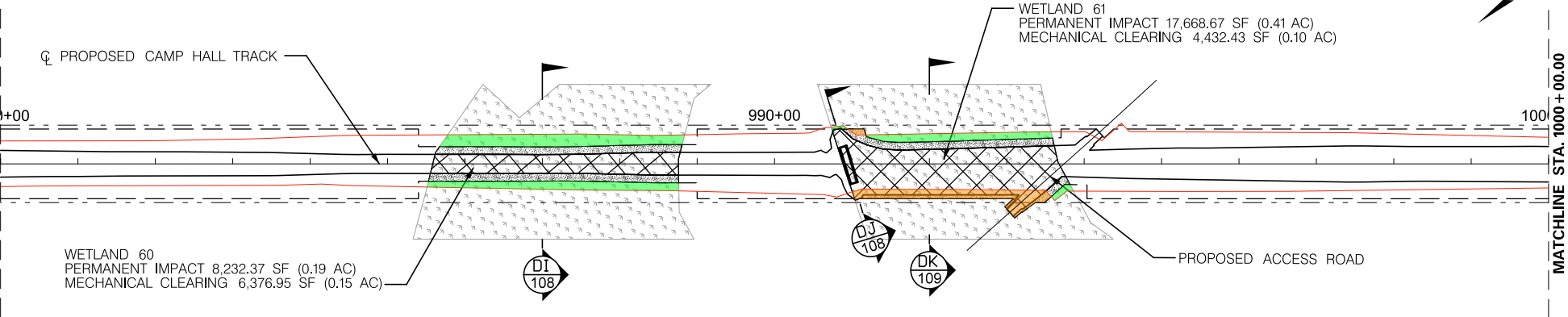


		IMPACTS			SF	AC	TNW/SECTION 10 WATERS WETLANDS CONSTRUCTION AUTHORITY EXISTING ROAD NON-WETLAND WATERS LIMITS OF DISTURBANCE PERMANENT IMPACT PROPOSED ROAD RIGHT-OF-WAY (ROW)
			PERMANENT WETLAND IMPACT (CUT/FILL)				
			MECHANICAL CLEARING WETLAND IMPACT		124,641.47	2.86	
			PERMANENT CULVERT IMPACT		--	--	
			PERMANENT PIPE IMPACT		--	--	
			NON-WETLAND WATER		--	--	
			TOTAL IMPACTS		280,885.26	6.45	

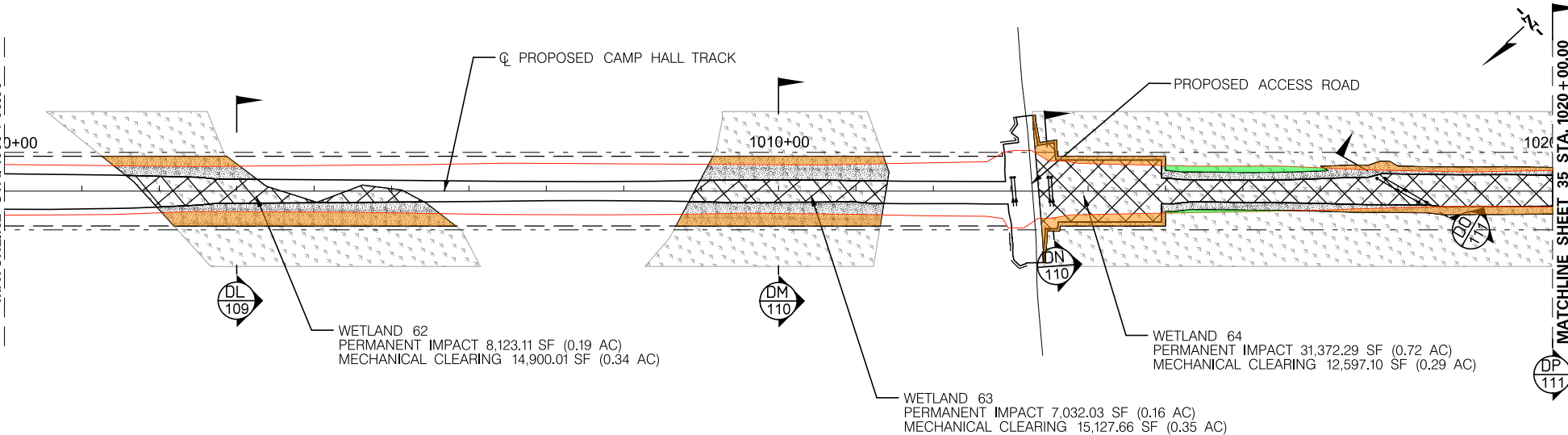
PALMETTO RAILWAYS
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PERMITTEE: PALMETTO RAILWAYS

MATCHLINE SHEET 33 STA. 980+00.00



MATCHLINE STA. 1000+00.00



PERMITTEE: PALMETTO RAILWAYS

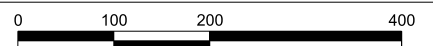
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	61,036.57	1.40
MECHANICAL CLEARING WETLAND IMPACT	64,836.14	1.49
PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	125,872.71	2.89

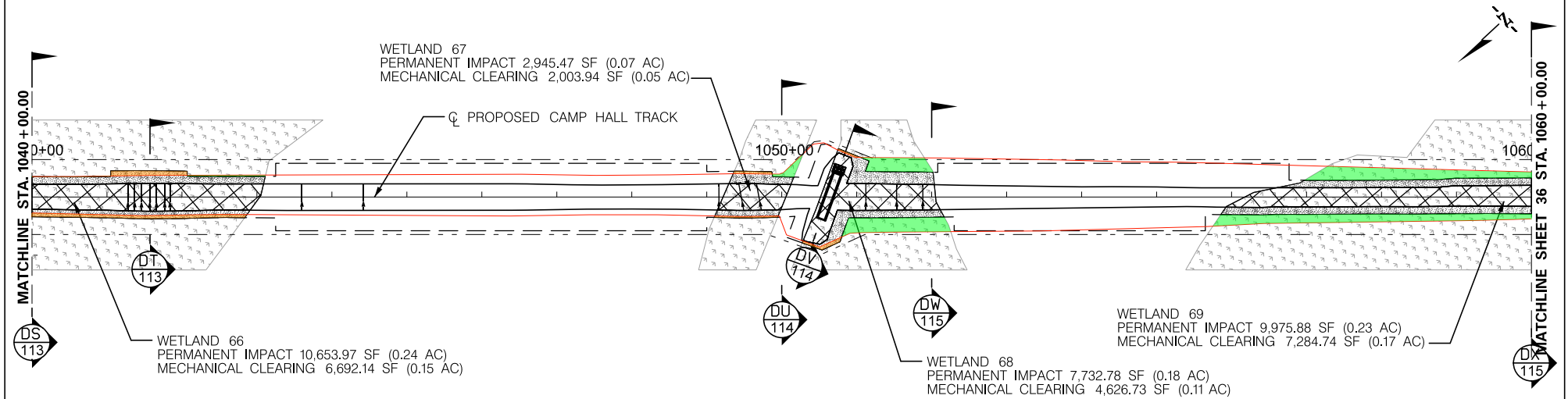
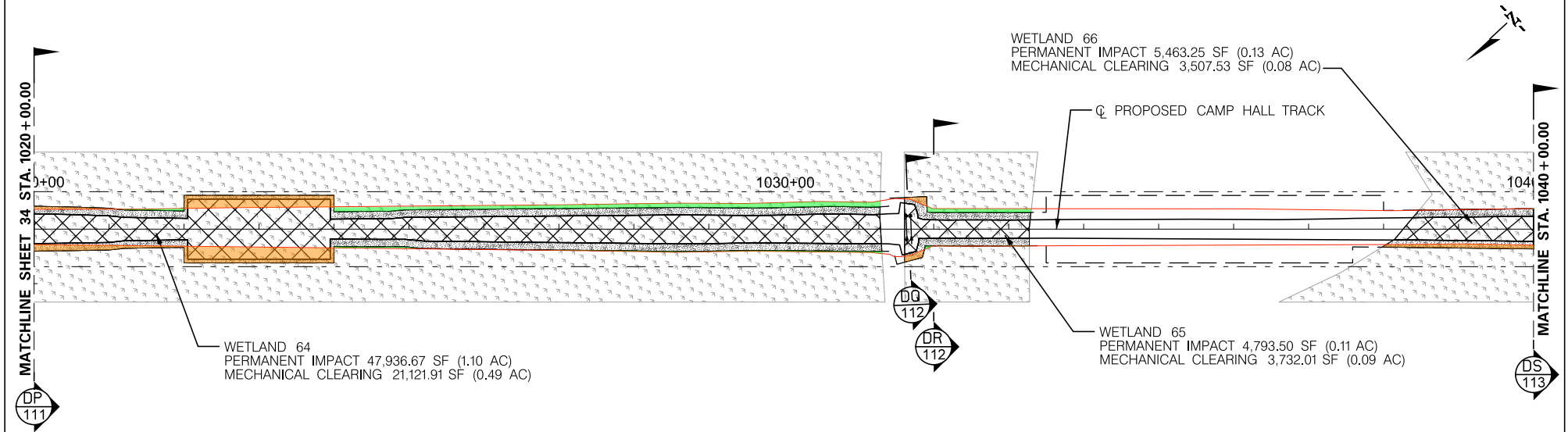
	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
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	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

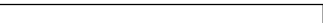
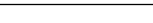
PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
BERKELEY COUNTY, SOUTH CAROLINA
DEPARTMENT OF ARMY 404 PERMIT

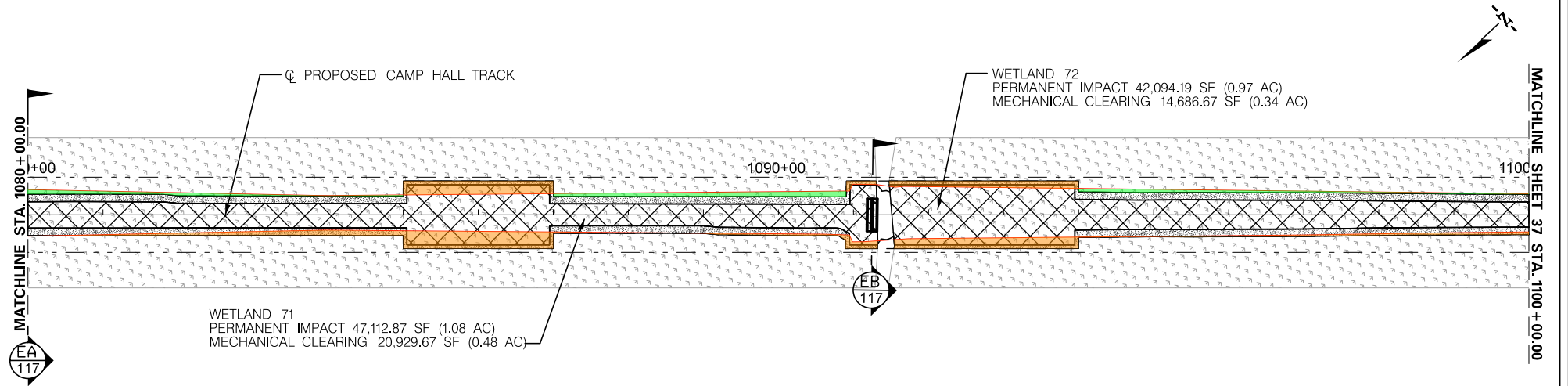
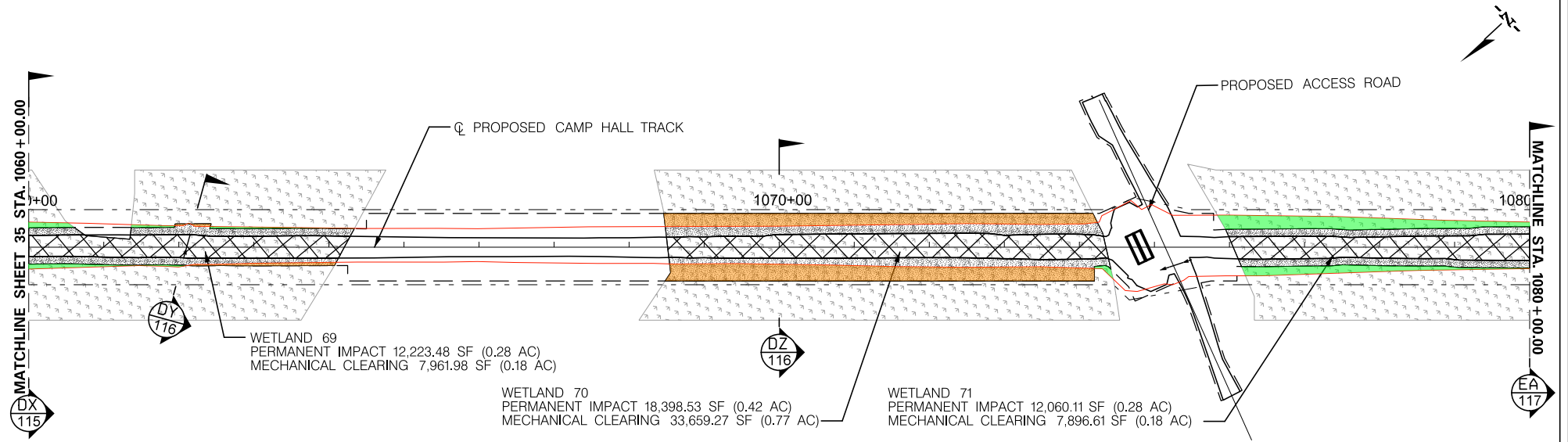
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 Palmetto RAILWAYS®		IMPACTS	SF	AC		TNW/SECTION 10 WATERS	PALMETTO RAILWAYS CAMP HALL RAIL PROJECT BERKELEY COUNTY, SOUTH CAROLINA DEPARTMENT OF ARMY 404 PERMIT PERMIT # SAC-2016-01395 DATE: <u>AUGUST 2024</u> SHEET <u>35</u> OF <u>133</u> 0100200400 
		 PERMANENT WETLAND IMPACT (CUT/FILL)	79,368.50	1.82		WETLANDS	
		 MECHANICAL CLEARING WETLAND IMPACT	59,102.02	1.36		CONSTRUCTION AUTHORITY	
		 EXISTING ROAD				NON-WETLAND WATERS	
		 PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--		LIMITS OF DISTURBANCE	
		 PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--		PROPOSED ROAD	
		TOTAL IMPACTS	138,470.52	3.18		RIGHT-OF-WAY (ROW)	



PERMITTEE: PALMETTO RAILWAYS



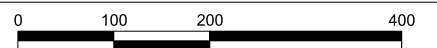
IMPACTS		SF	AC
	PERMANENT WETLAND IMPACT (CUT/FILL)	113,040.82	2.60
	MECHANICAL CLEARING WETLAND IMPACT	103,981.52	2.39
	PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
	PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS		217,022.34	4.98

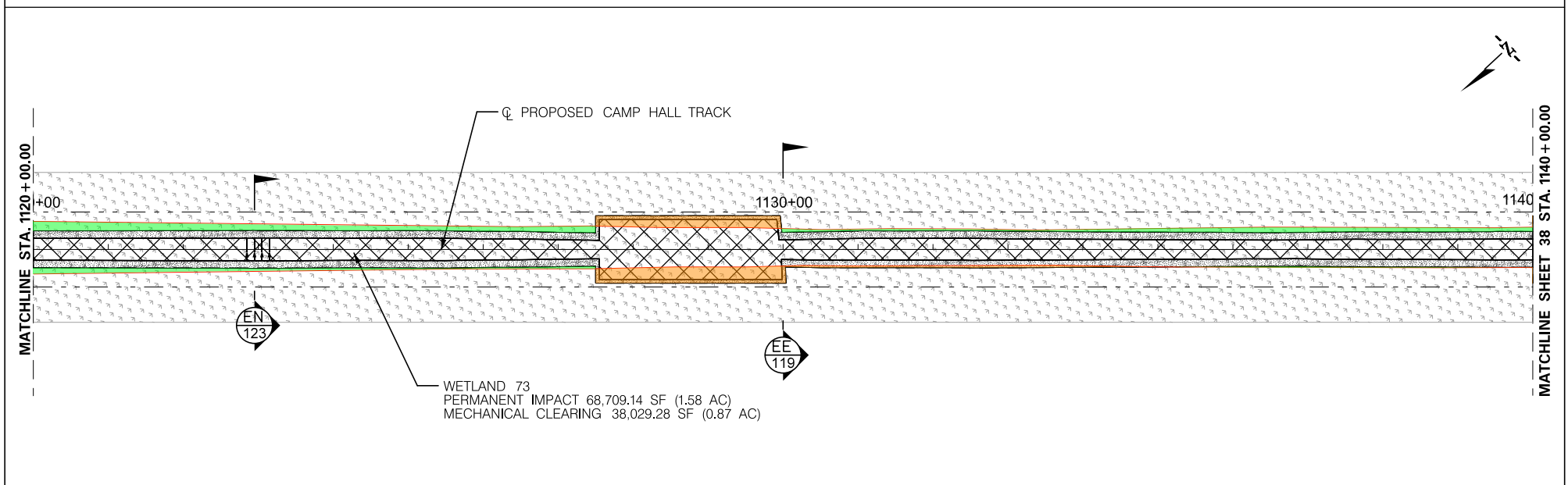
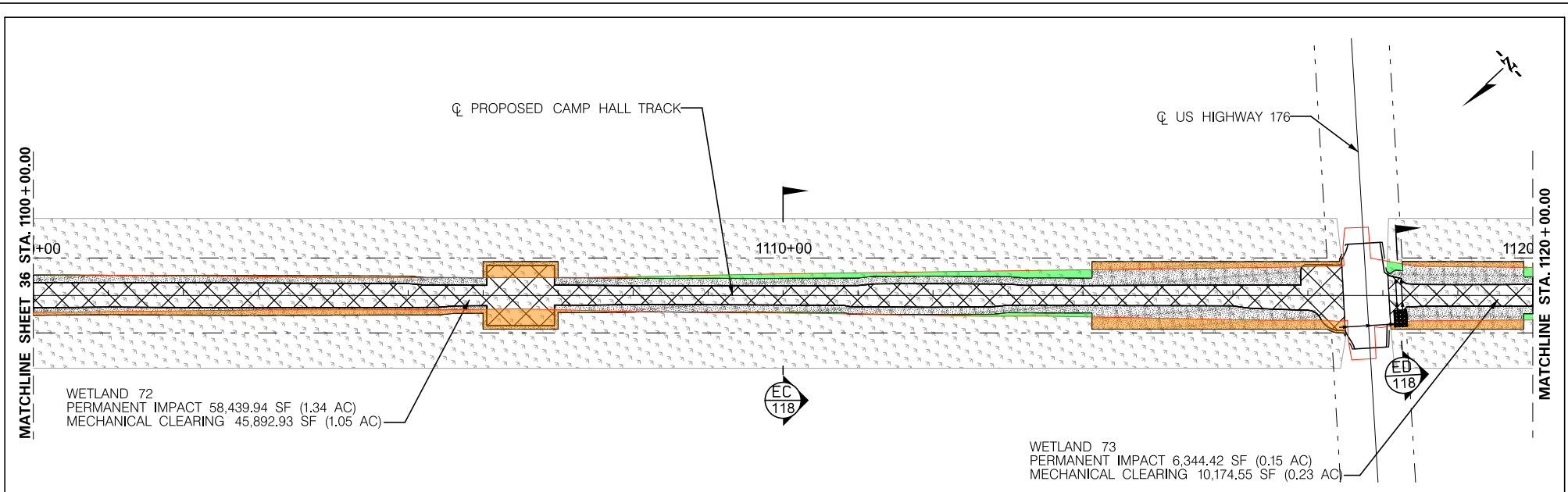
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	WETLANDS
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	PERMANENT IMPACT
	PROPOSED ROAD
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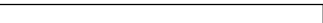
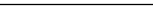
PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
 DEPARTMENT OF ARMY 404 PERMIT

PERMIT # SAC-2016-01395

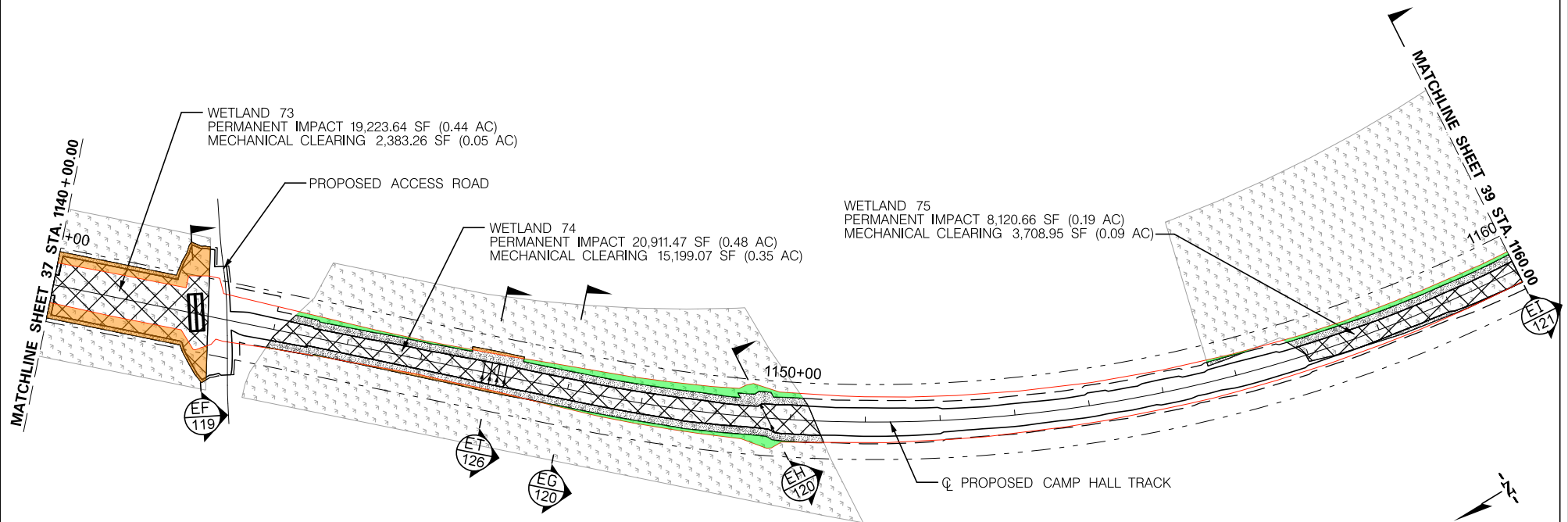
DATE: AUGUST 2024 SHEET 36 OF 133





 Palmetto RAILWAYS®		IMPACTS		SF	AC	  ----- ----- -----  -----<
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PERMITTEE: PALMETTO RAILWAYS



PERMITTEE: PALMETTO RAILWAYS

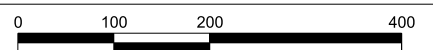
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	39,262.00	0.90
MECHANICAL CLEARING WETLAND IMPACT	30,285.04	0.70
PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	69,547.04	1.60

	TNW/SECTION 10 WATERS
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BERKELEY COUNTY, SOUTH CAROLINA
DEPARTMENT OF ARMY 404 PERMIT

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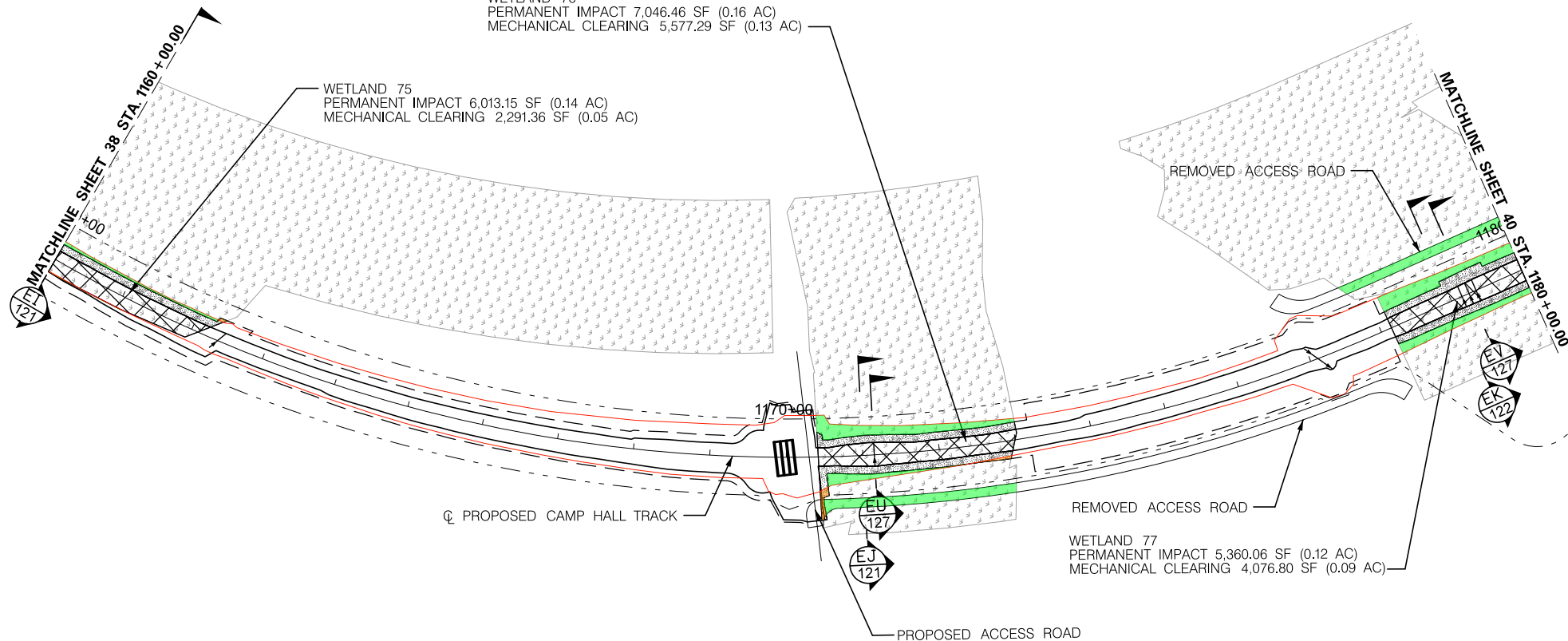
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WETLAND 76
 PERMANENT IMPACT 7,046.46 SF (0.16 AC)
 MECHANICAL CLEARING 5,577.29 SF (0.13 AC)

WETLAND 75
 PERMANENT IMPACT 6,013.15 SF (0.14 AC)
 MECHANICAL CLEARING 2,291.36 SF (0.05 AC)

WETLAND 77
 PERMANENT IMPACT 5,360.06 SF (0.12 AC)
 MECHANICAL CLEARING 4,076.80 SF (0.09 AC)



PERMITTEE: PALMETTO RAILWAYS

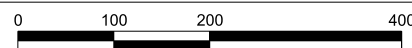
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	18,419.67	0.42
MECHANICAL CLEARING WETLAND IMPACT	11,945.45	0.27
PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	30,365.12	0.70

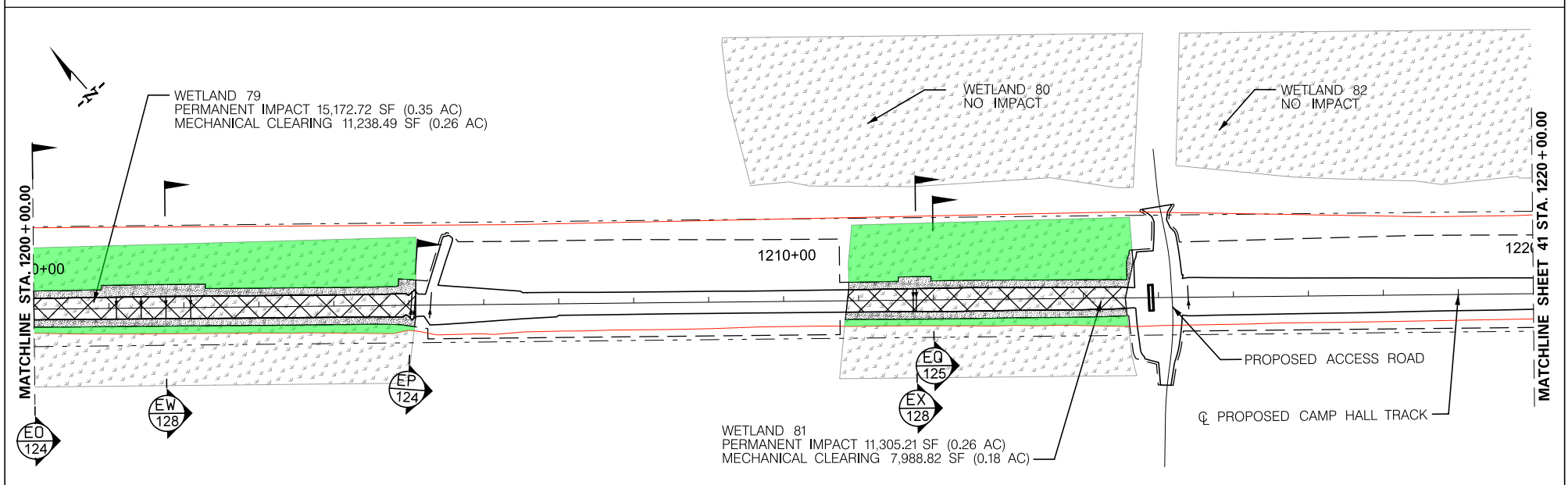
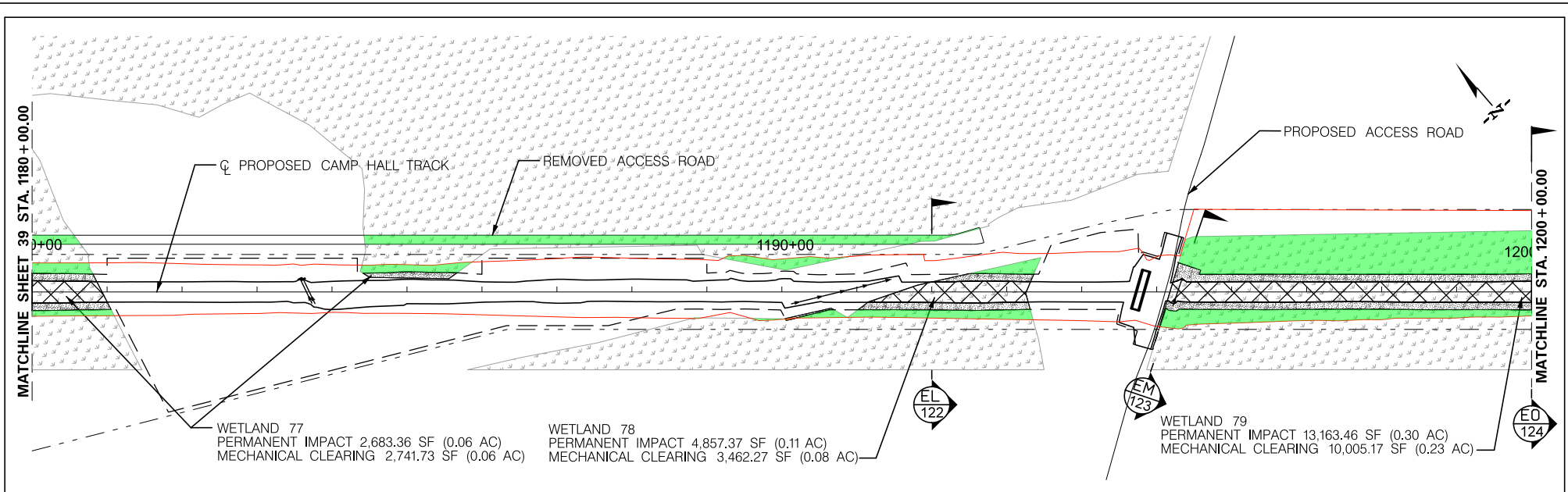
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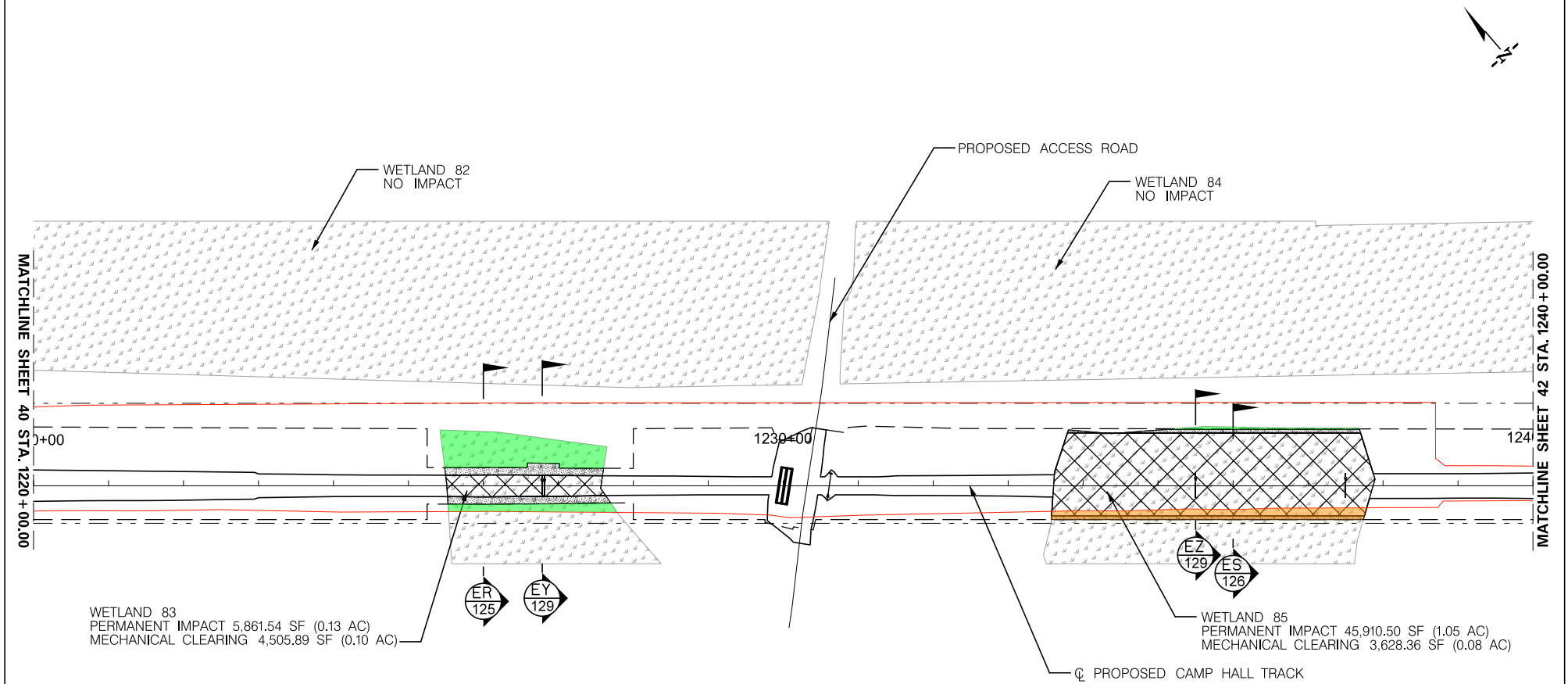
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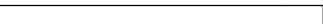
DATE: AUGUST 2024 SHEET 39 OF 133

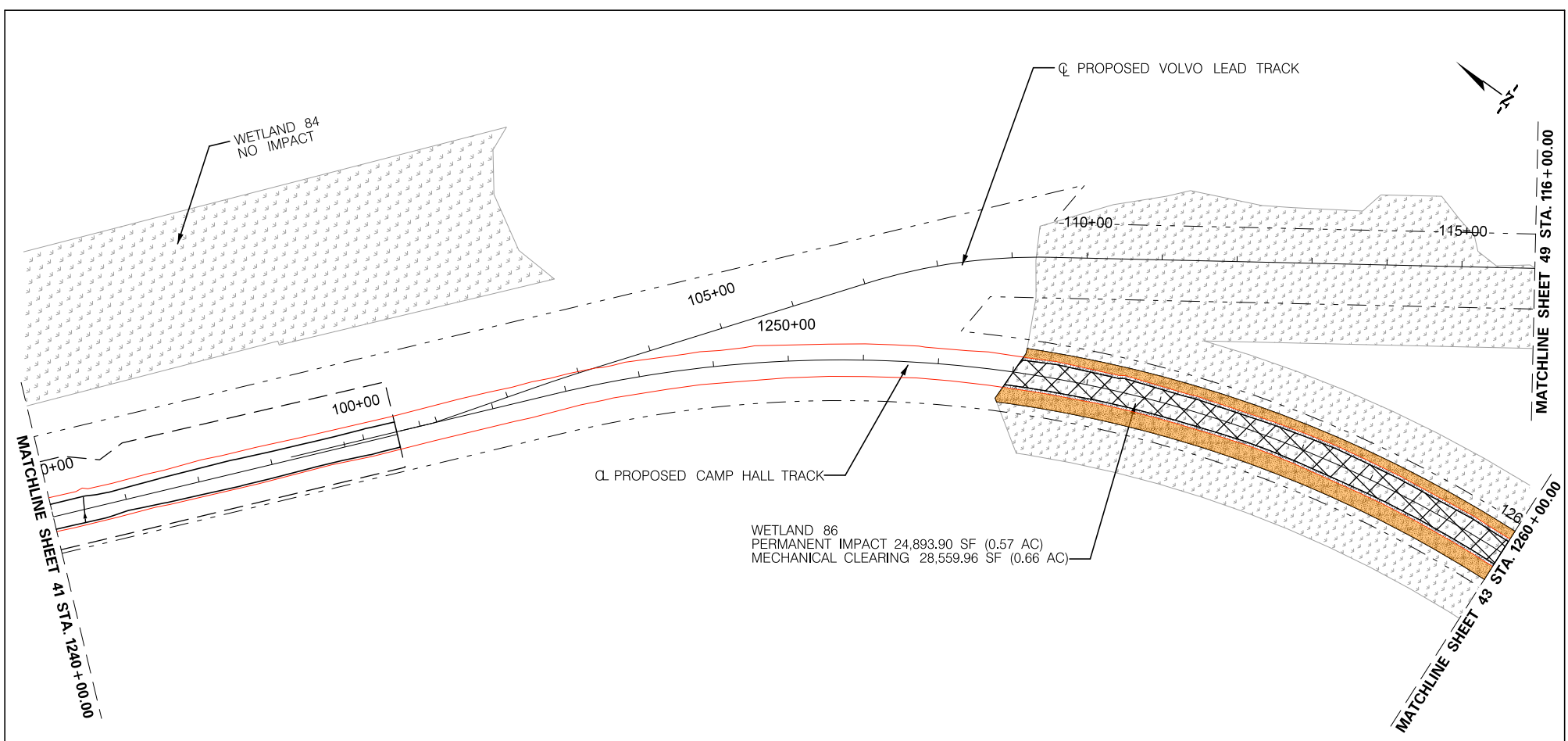




		IMPACTS		SF	AC	TNW/SECTION 10 WATERS WETLANDS CONSTRUCTION AUTHORITY EXISTING ROAD NON-WETLAND WATERS LIMITS OF DISTURBANCE PERMANENT IMPACT PROPOSED ROAD RIGHT-OF-WAY (ROW)	PALMETTO RAILWAYS CAMP HALL RAIL PROJECT BERKELEY COUNTY, SOUTH CAROLINA DEPARTMENT OF ARMY 404 PERMIT PERMIT # SAC-2016-01395 DATE: AUGUST 2024 SHEET 40 OF 133
		PERMANENT WETLAND IMPACT (CUT/FILL) MECHANICAL CLEARING WETLAND IMPACT PERMANENT CULVERT IMPACT PERMANENT PIPE IMPACT TOTAL IMPACTS	NON-WETLAND WATER NON-WETLAND WATER NON-WETLAND WATER	47,182.12 35,436.48 -- -- 82,618.60	1.08 0.81 -- -- 1.90		



 Palmetto RAILWAYS®		IMPACTS	SF	AC		TNW/SECTION 10 WATERS	PALMETTO RAILWAYS CAMP HALL RAIL PROJECT BERKELEY COUNTY, SOUTH CAROLINA DEPARTMENT OF ARMY 404 PERMIT PERMIT # SAC-2016-01395 DATE: AUGUST 2024 SHEET 41 OF 133 0100200400 
		 PERMANENT WETLAND IMPACT (CUT/FILL)	19,028.27	0.44		WETLANDS	
		 MECHANICAL CLEARING WETLAND IMPACT	40,878.02	0.94		CONSTRUCTION AUTHORITY	
		 PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--		EXISTING ROAD	
		 PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--		NON-WETLAND WATERS	
			--	--		LIMITS OF DISTURBANCE	
		TOTAL IMPACTS	59,906.29	1.38		PERMANENT IMPACT	
						PROPOSED ROAD	
						RIGHT-OF-WAY (ROW)	





PERMITTEE: PALMETTO RAILWAYS

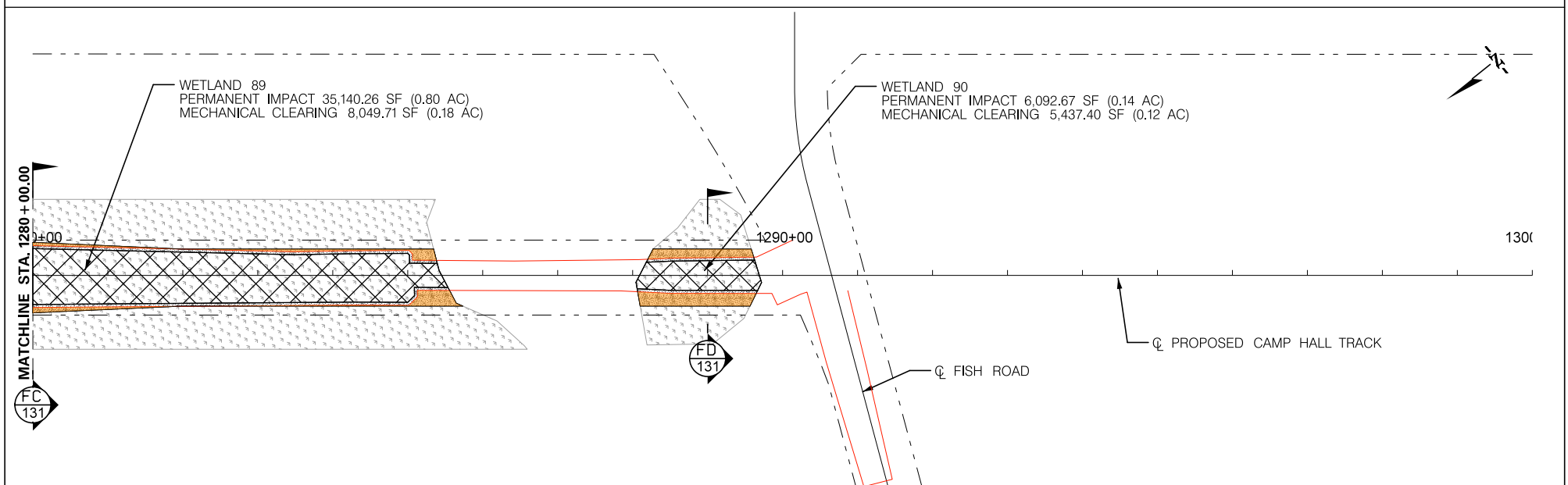
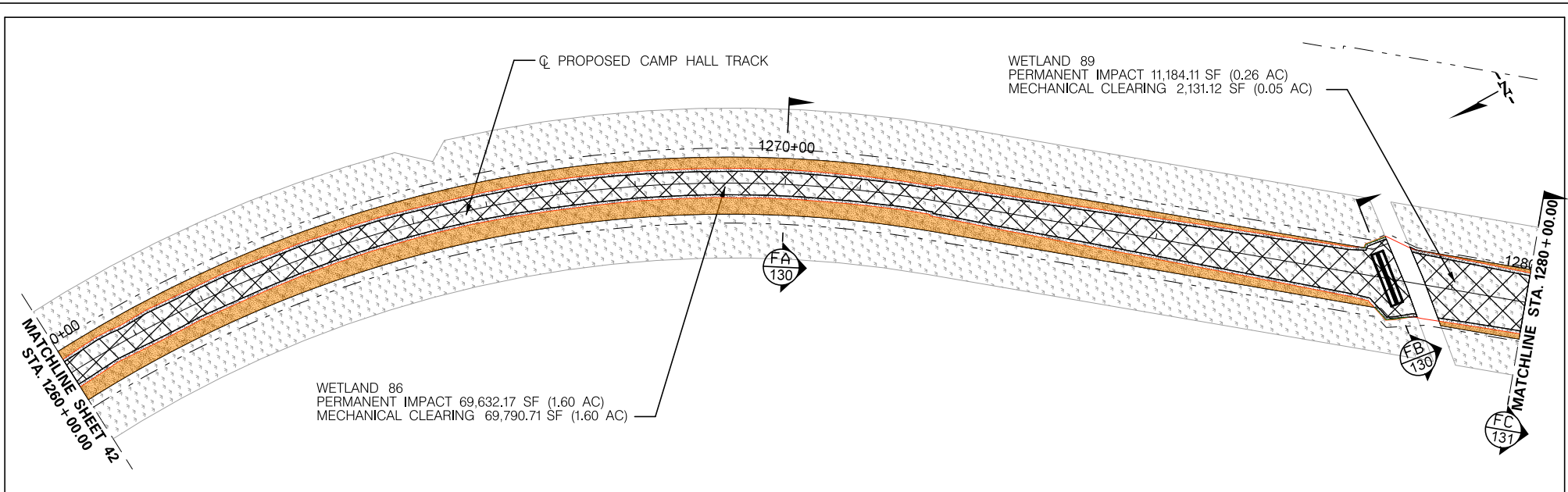


IMPACTS	SF	AC
 PERMANENT WETLAND IMPACT (CUT/FILL)	24,893.90	0.57
 MECHANICAL CLEARING WETLAND IMPACT	28,559.96	0.66
 PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
 PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	53,453.86	1.23

 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: AUGUST 2024 SHEET 42 OF 133







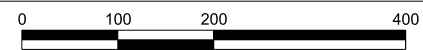
PERMITTEE: PALMETTO RAILWAYS



IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	122,049.21	2.80
MECHANICAL CLEARING WETLAND IMPACT	85,408.94	1.96
PERMANENT CULVERT IMPACT NON-WETLAND WATER	--	--
PERMANENT PIPE IMPACT NON-WETLAND WATER	--	--
TOTAL IMPACTS	207,458.15	4.76

	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: AUGUST 2024 SHEET 43 OF 133



Impact Summary Table

					Original Permit									Permit Modification										
Old Permit Sheet	Mod Permit Sheet	WOUS Type	WOUS ID	Approximate Station	Stream Impacts (Linear Feet)		Morphologic	RipRap	Total Stream	Mitigation Credits_Stream	Wetland Impacts (Acres)			Mitigation Credits_Wet	Stream Impacts (Linear Feet)				Total Stream2	Net Change	Wetland Impacts (Acres)			
					Pipe	Culvert 1					Fill	Clearing	Total Wetland		Pipe2	Culvert2	Morphologic2	Riprap2			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	

					Original Permit									Permit Modification										
Old Permit Sheet	Mod Permit Sheet	WOUS Type	WOUS ID	Approximate Station	Stream Impacts (Linear Feet)		Morphologic	RipRap	Total Stream	Mitigation Credits_Stream	Wetland Impacts (Acres)			Mitigation Credits_Wet	Stream Impacts (Linear Feet)				Total Stream2	Net Change	Wetland Impacts (Acres)			
					Pipe	Culvert 1					Fill	Clearing	Total Wetland		Pipe2	Culvert2	Morphologic2	Riprap2			Fill2	Clearing3	Total Wetland2	Net Change (+/-)2
28	28	Wetland	WL 46	759+00					0		1.53	0.14	1.67					0	0	0.94	0.57	1.51	-0.16	
28	28	Wetland	WL 46	761+00					0		1.4	0.12	1.52					0	0	0.53	0.31	0.84	-0.68	
28	28	Wetland	WL 47	772+00					0		0.35	0.03	0.38					0	0	0.15	0.23	0.38	0.00	
29	29	Wetland	WL 48	784+00					0		0.85	0.12	0.97					0	0	0.51	0.32	0.83	-0.14	
29	29	Wetland	WL 49	799+00					0		0.06	0.02	0.08					0	0	0.05	0.04	0.09	0.01	
29	29	Wetland	WL 49	806+00					0		0.6	0.13	0.73					0	0	0.52	0.34	0.86	0.13	
29	29	Wetland	WL 50	819+00					0		0.3	0.06	0.36					0	0	0.55	0.09	0.64	0.28	
30	30	Wetland	WL 50	822+00					0		0.23	0.05	0.28					0	0	0.21	0.11	0.32	0.04	
30	30	Wetland	WL 51	830+00					0		0.2	0.03	0.23					0	0	0.17	0.15	0.32	0.09	
30	30	Wetland	WL 52	851+00					0		0.38	0.08	0.46					0	0	0.38	0.30	0.68	0.22	
30	30	Wetland	WL 53	857+00					0		0.85	0.13	0.98					0	0	0.90	0.26	1.16	0.18	
31	31	Wetland	WL 53	864+00					0		0.85	0.12	0.97					0	0	0.56	0.31	0.87	-0.10	
31	31	Wetland	WL 55	873+00					0		0.25	0.03	0.28					0	0	0.41	0.10	0.51	0.23	
31	31	Wetland	WL 55	874+00					0		0.13		0.13					0	0	0		0	-0.13	
31	31	Wetland	WL 56	887+00					0		0.44	0.07	0.51					0	0	0.29	0.18	0.47	-0.04	
32	32	Wetland	WL 57	917+00					0		0.32	0.05	0.37					0	0	0.21	0.37	0.58	0.21	
32	32	Wetland	WL 57	918+00					0		0.2		0.2					0	0			0	-0.20	
32	32	Wetland	WL 57	921+00					0		0.3	0.06	0.36					0	0	0.21	0.39	0.6	0.24	
32	32	Wetland	WL 58	933+00					0		0.08		0.08					0	0	0		0	-0.08	
32	32	Wetland	WL 58	935+00					0		0.79	0.13	0.92					0	0	0.77	0.30	1.07	0.15	
33	33	Wetland	WL 58	941+00					0		1.66	0.25	1.91					0	0	2.01	0.42	2.43	0.52	
33	33	Wetland	WL 59	955+00					0		0.68	0.13	0.81					0	0	0.51	0.34	0.85	0.04	
33	33	Wetland	WL 59	970+00					0		2.61	0.36	2.97					0	0	2.34	0.83	3.17	0.20	
34	34	Wetland	WL 60	987+00					0		0.46	0.06	0.52					0	0	0.19	0.15	0.34	-0.18	
34	34	Wetland	WL 61	992+00					0		0.43	0.05	0.48					0	0	0.41	0.10	0.51	0.03	
34	34	Wetland	WL 62	1003+00					0		0.28	0.05	0.33					0	0	0.19	0.34	0.53	0.20	
34	34	Wetland	WL 63	1010+00					0		0.32	0.04	0.36					0	0	0.16	0.35	0.51	0.15	
34	34	Wetland	WL 64	1015+00					0		0.73	0.13	0.86					0	0	0.72	0.29	1.01	0.15	
35	35	Wetland	WL 64	1022+00					0		1.28	0.21	1.49					0	0	1.10	0.49	1.59	0.10	
35	35	Wetland	WL 65	1032+00					0		0.18	0.03	0.21					0	0	0.11	0.09	0.2	-0.01	
35	35	Wetland	WL 66	1039+00					0		0.15	0.03	0.18					0	0	0.13	0.08	0.21	0.03	
35	35	Wetland	WL 66	1041+00					0		0.3	0.55	0.85					0	0	0.24	0.15	0.39	-0.46	
35	35	Wetland	WL 67	1049+00					0		0.09	0.02	0.11					0	0	0.07	0.05	0.12	0.01	
35	35	Wetland	WL 68	1051+00					0		0.35	0.03	0.38					0	0	0.18	0.11	0.29	-0.09	
35	35	Wetland	WL 69	1059+00					0		0.53	0.07	0.6					0	0	0.23	0.17	0.4	-0.20	
36	36	Wetland	WL 69	1062+00					0		0.41	0.07	0.48					0	0	0.28	0.18	0.46	-0.02	
36	36	Wetland	WL 70	1072+00					0		0.62	0.11	0.73					0	0	0.42	0.77	1.19	0.46	
36	36	Wetland	WL 71	1079+00					0		0.58	0.07	0.65					0	0	0.28	0.18	0.46	-0.19	
36	36	Wetland	WL 71	1087+00					0		1.17	0.21	1.38					0	0	1.08	0.48	1.56	0.18	
36	36	Wetland	WL 72	1092+00					0		1.03	0.16	1.19					0	0	0.97	0.34	1.31	0.12	
37	37	Wetland	WL 72	1105+00					0		1.8	0.32	2.12					0	0	1.34	1.05	2.39	0.27	
37	37	Wetland	WL 73	1119+00					0		0.3	0.04	0.34					0	0	0.15	0.23	0.38	0.04	
37	37	Wetland	WL 73	1128+00					0		2.16	0.36	2.52					0	0	1.58	0.87	2.45	-0.07	
38	38	Wetland	WL 73	1141+00					0		0.24	0.04	0.28					0	0	0.44	0.05	0.49	0.21	
38	38	Wetland	WL 74	1146+00					0		0.8	0.14	0.94					0	0	0.48	0.35	0.83	-0.11	
38	38	Wetland	WL 75	1158+00					0		0.26	0.03	0.2											

					Original Permit										Permit Modification									
					Stream Impacts (Linear Feet)						Wetland Impacts (Acres)				Stream Impacts (Linear Feet)				Total	Net	Wetland Impacts (Acres)			
Old Permit Sheet	Mod Permit Sheet	WOUS Type	WOUS ID	Approximate Station	Pipe	Culvert 1	Morphologic	RipRap	Total Stream	Mitigation Credits_Stream	Fill	Clearing	Total Wetland	Mitigation Credits_Wet	Pipe2	Culvert2	Morphologic2	Riprap2	Total Stream2	Change	Fill2	Clearing3	Total Wetland2	Net Change (+/-)2
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		105.00	51.70	38.00	63.00	257.70	-279.50	87.02	31.98	119.00	-0.95
Modification Total Summary																							Color Key	
Streams		Original Permit	Modification 1	Modification 2	Net Change																			
	Pipe	315.20	226.00	105.00	-121.00																			
	Morphologic	222.00	260.00	38.00	-222.00																			
	Culvert	0.00	34.70	51.70	17.00																			
	Riprap	0.00	10.00	63.00	53.00																			
	Total	537.20	530.70	257.70	-273.00																			
Wetland	Fill	103.06	96.64	87.02	-9.62																			
	Clearing	16.89	22.94	31.98	9.04																			
	Total	119.95	119.58	119.00	-0.58																			

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

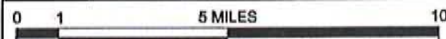


VICINITY MAP

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





APPLICANT: PALMETTO RAILWAYS



LOCATION MAP
PERMITTED
PLANS

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
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 APPLICATION # SAC-2016-01395
 DATE: MARCH 2018



PROJECT IMPACTS TO WATERS OF THE UNITED STATES

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

PERMITTED
PLANS

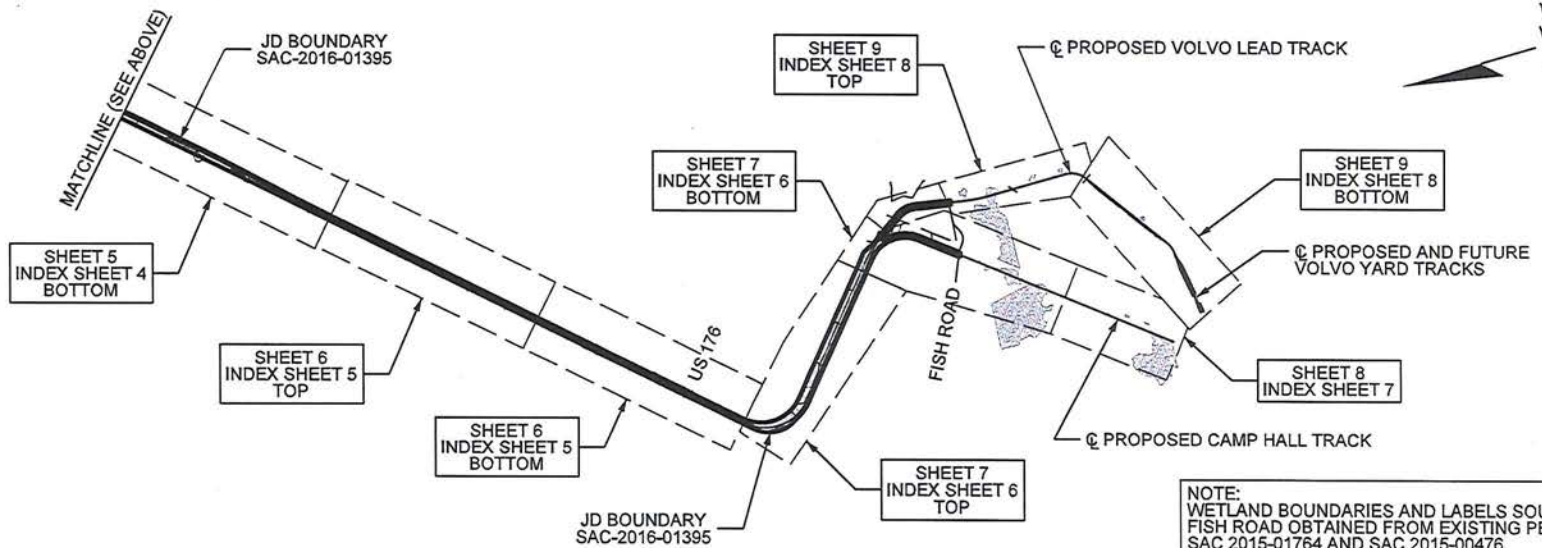
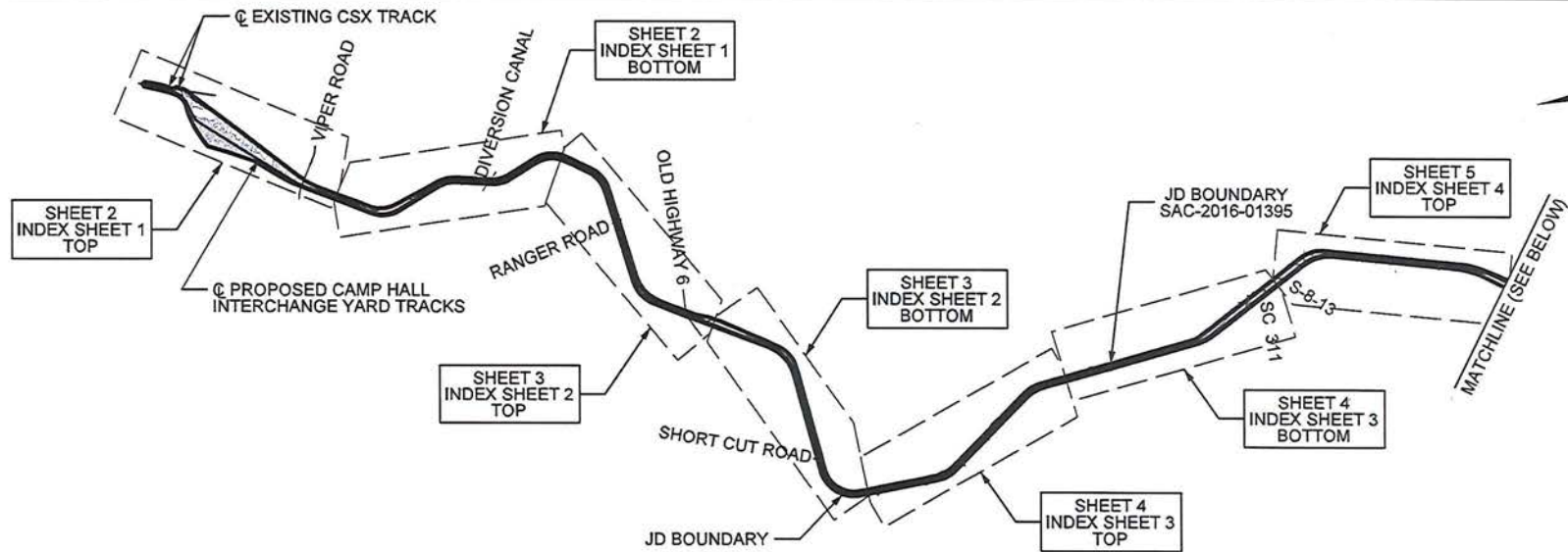


APPLICANT: PALMETTO RAILWAYS



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

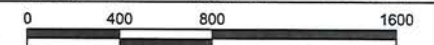
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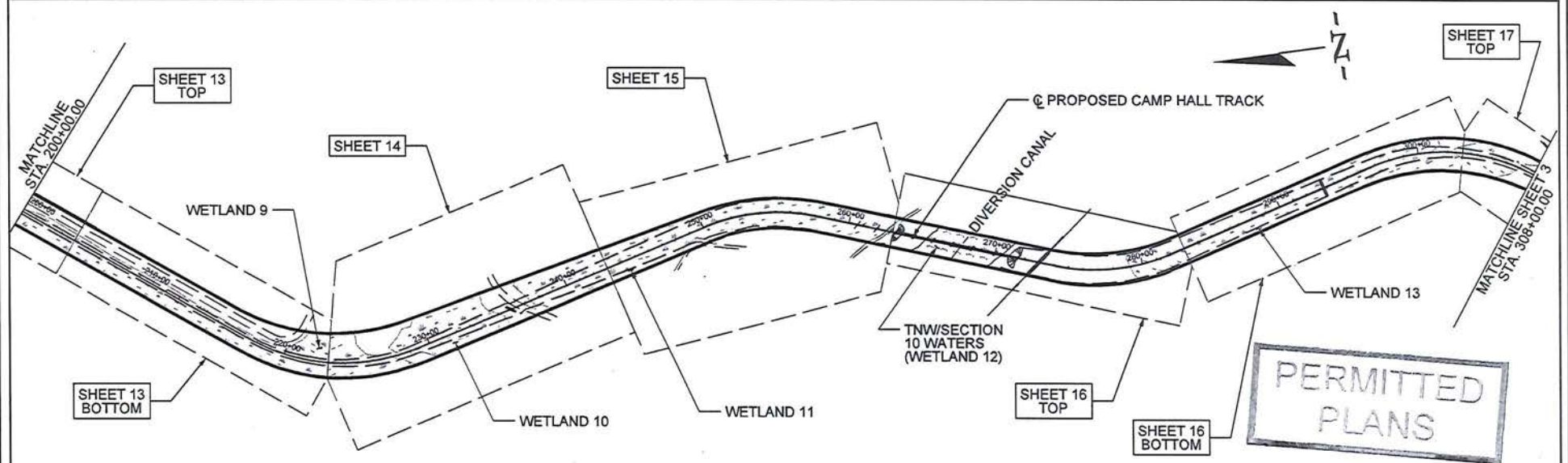
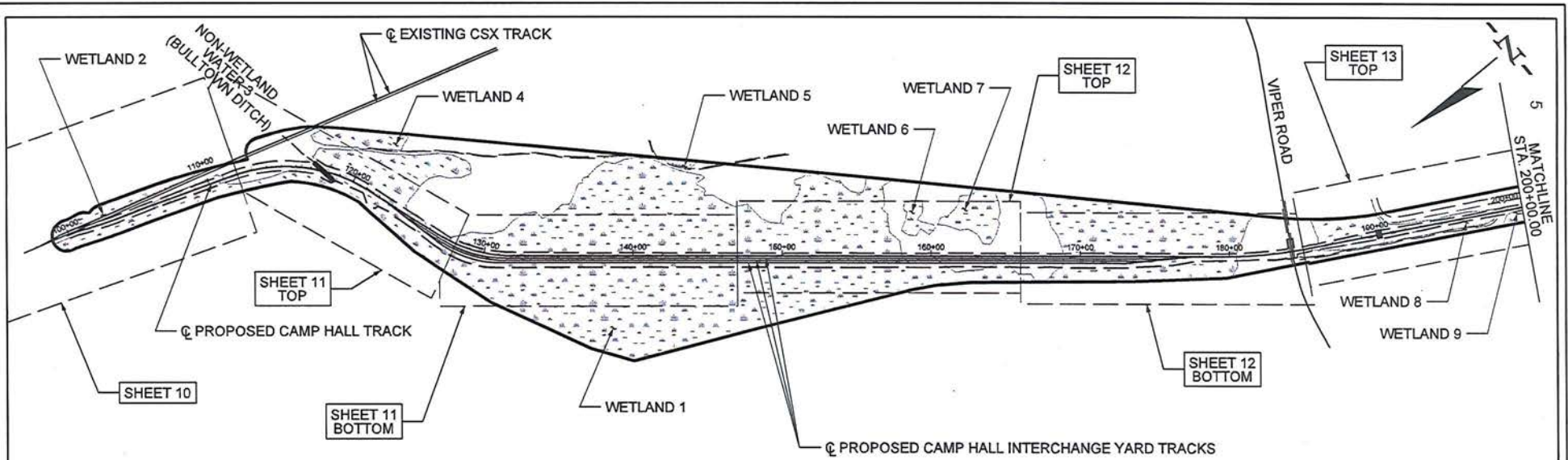
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- WETLANDS
- JD BOUNDARY
- EXISTING ROAD
- NON-WETLAND WATERS
- LIMITS OF DISTURBANCE
- PROPOSED ROAD

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

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APPLICANT: PALMETTO RAILWAYS



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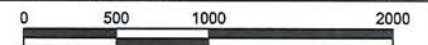
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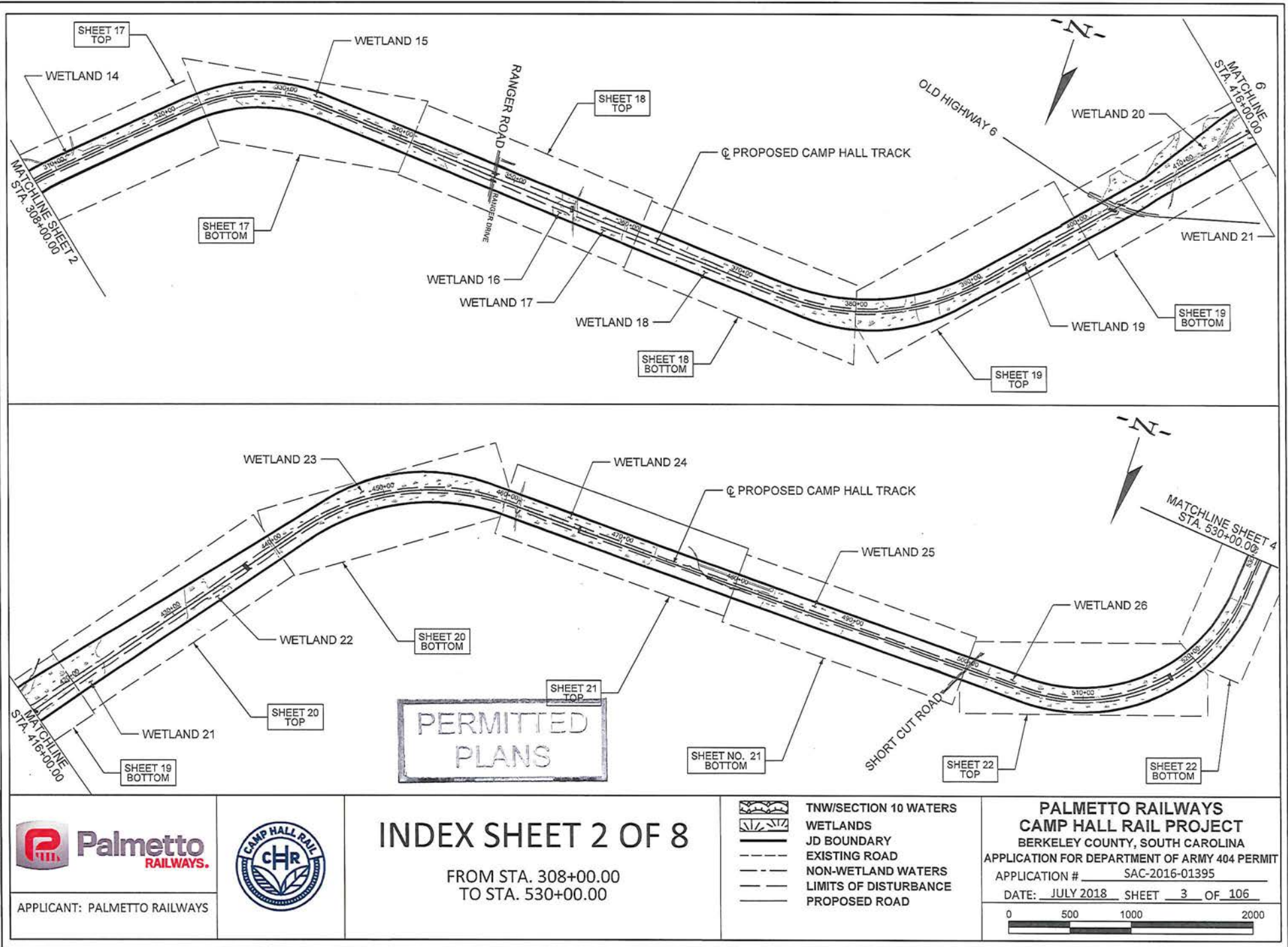
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- LIMITS OF DISTURBANCE
- PROPOSED ROAD

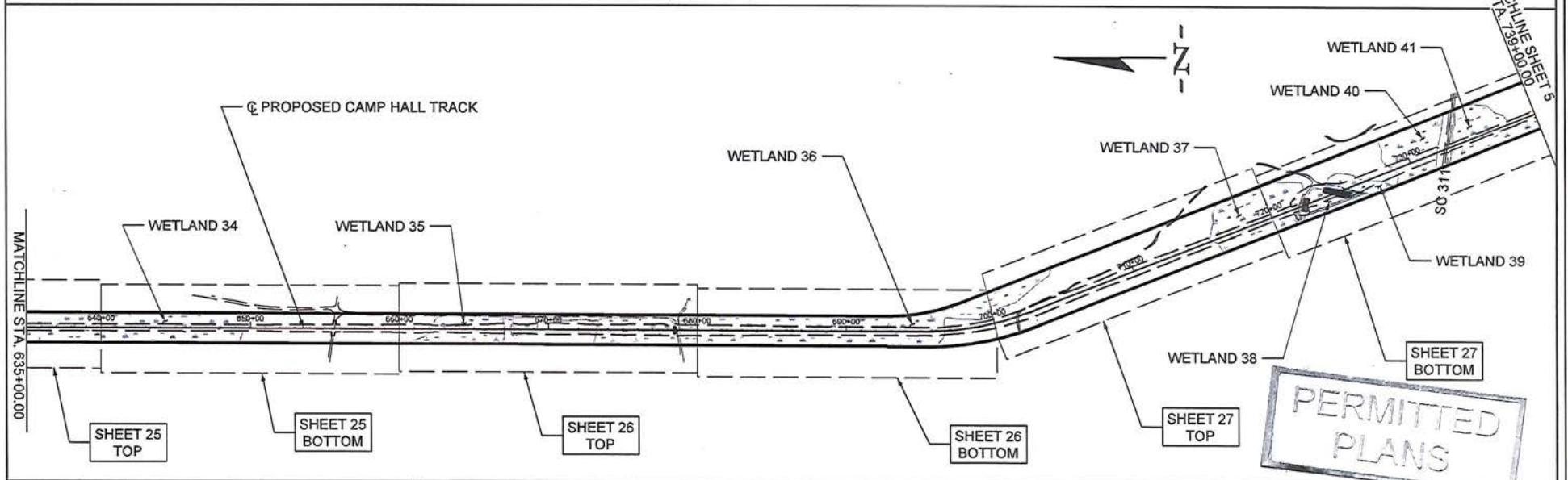
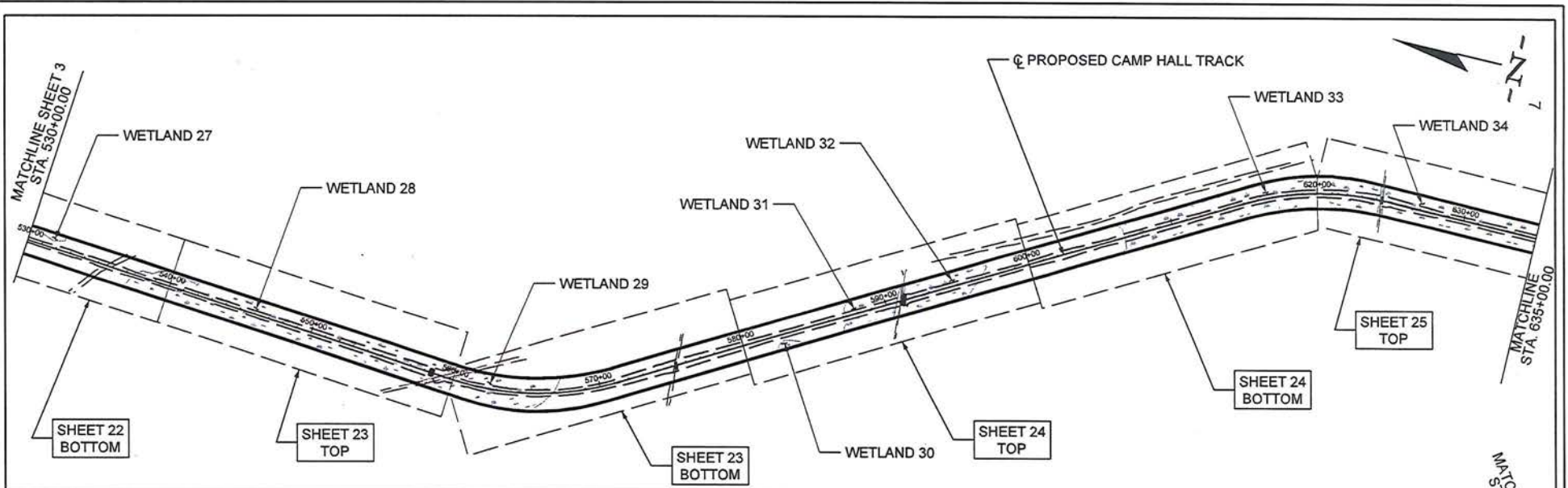
PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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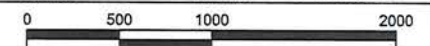
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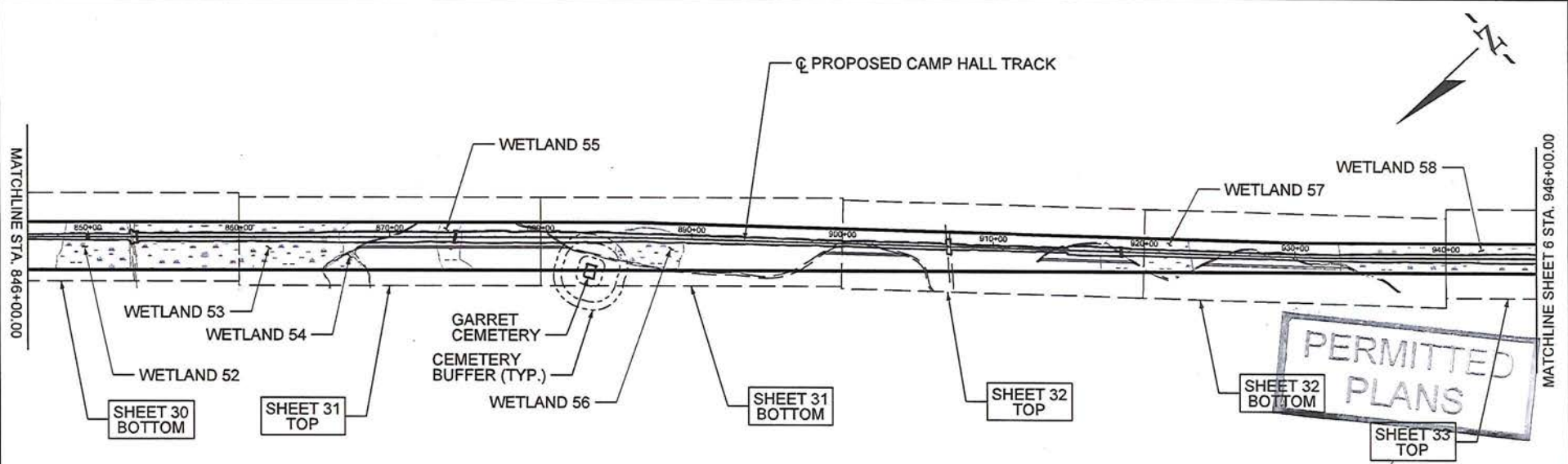
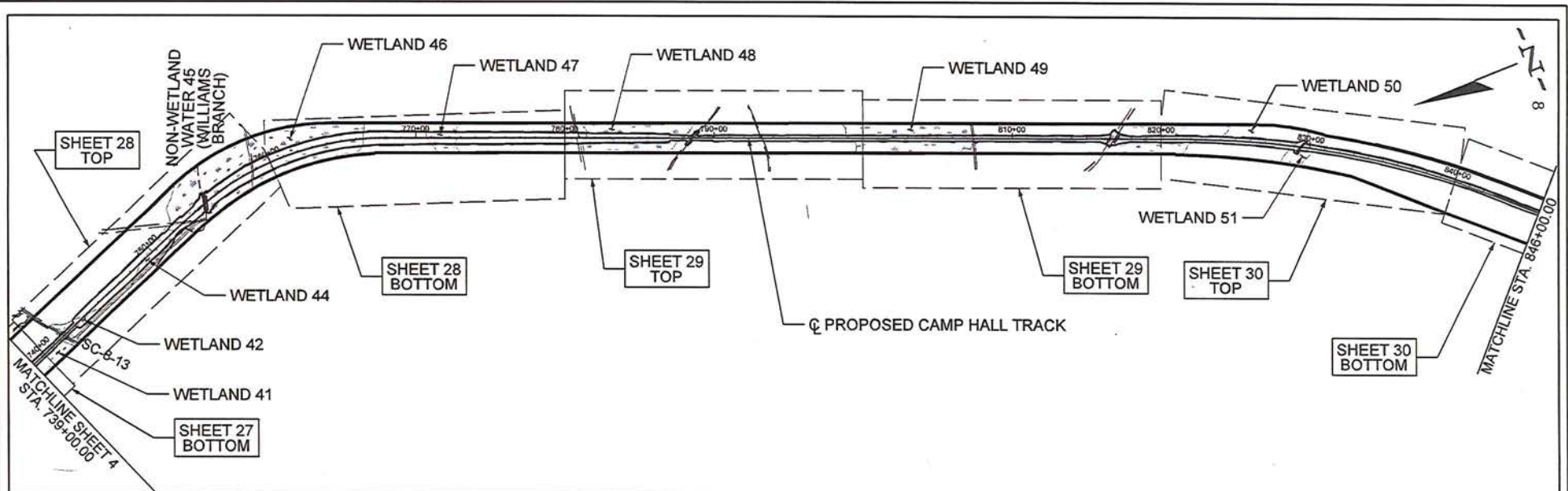
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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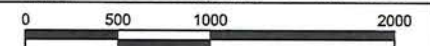
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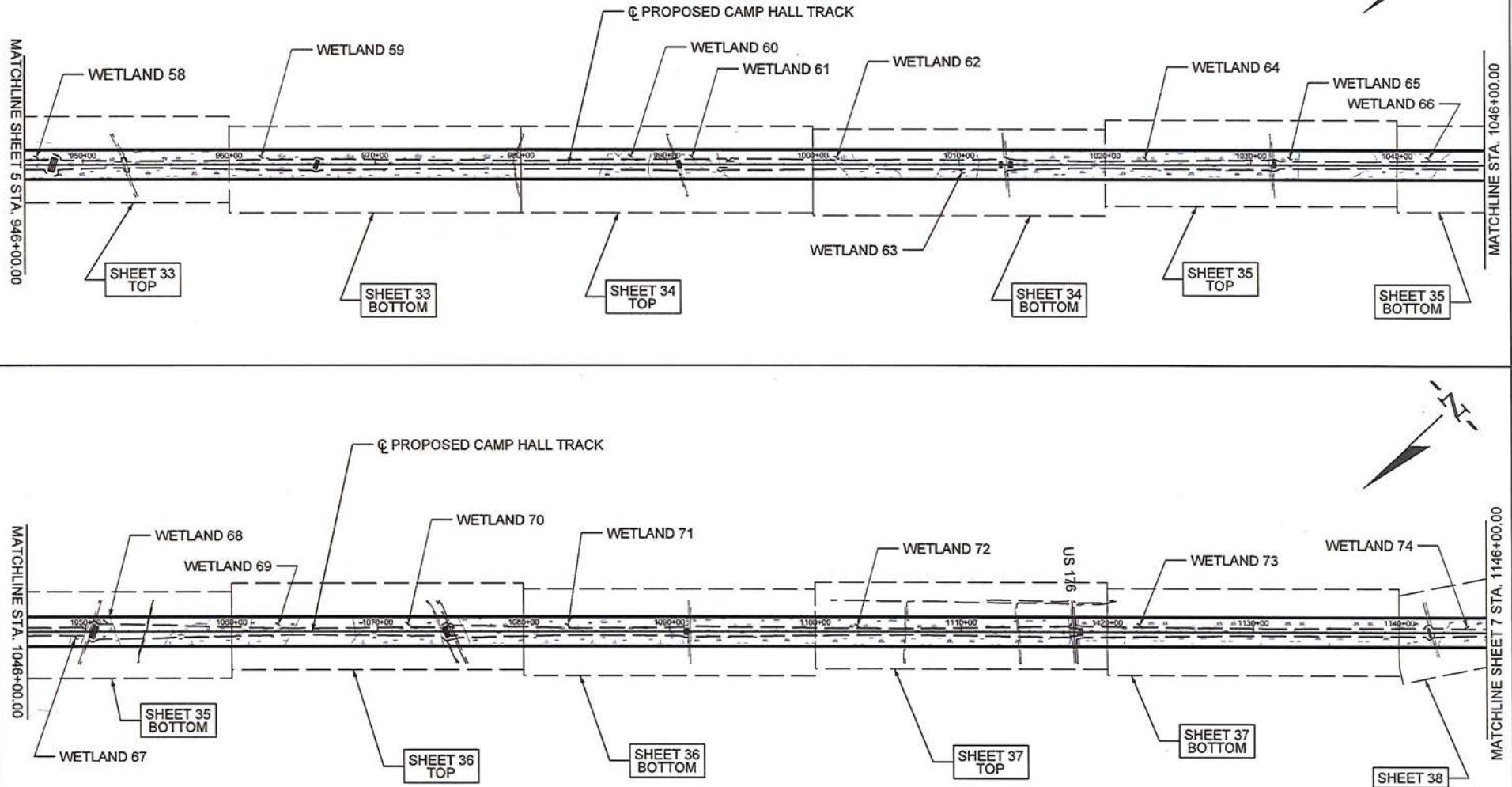
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PALMETTO RAILWAYS
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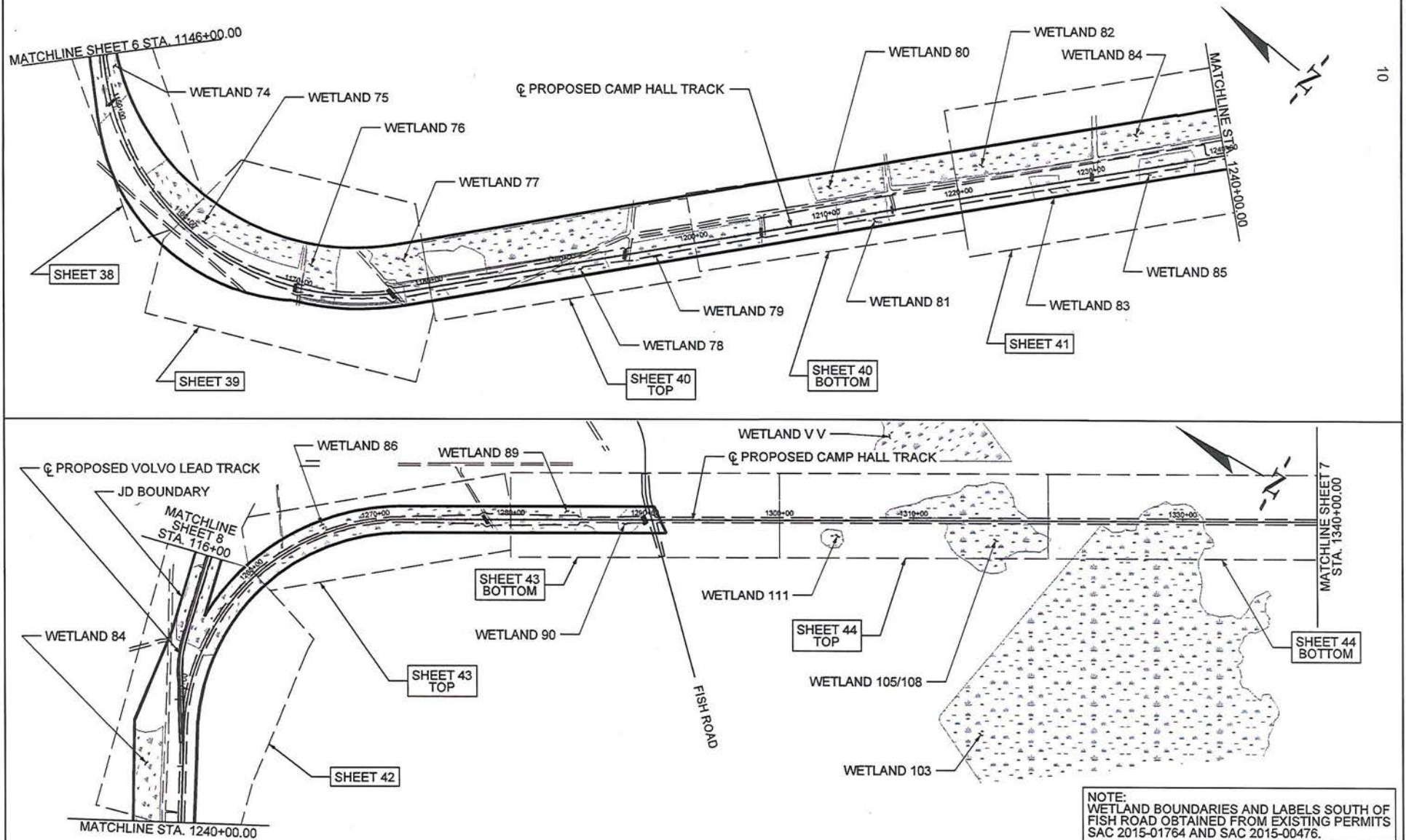
INDEX SHEET 5 OF 8

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- WETLANDS
- JD BOUNDARY
- EXISTING ROAD
- NON-WETLAND WATERS
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PALMETTO RAILWAYS
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0 500 1000 2000



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

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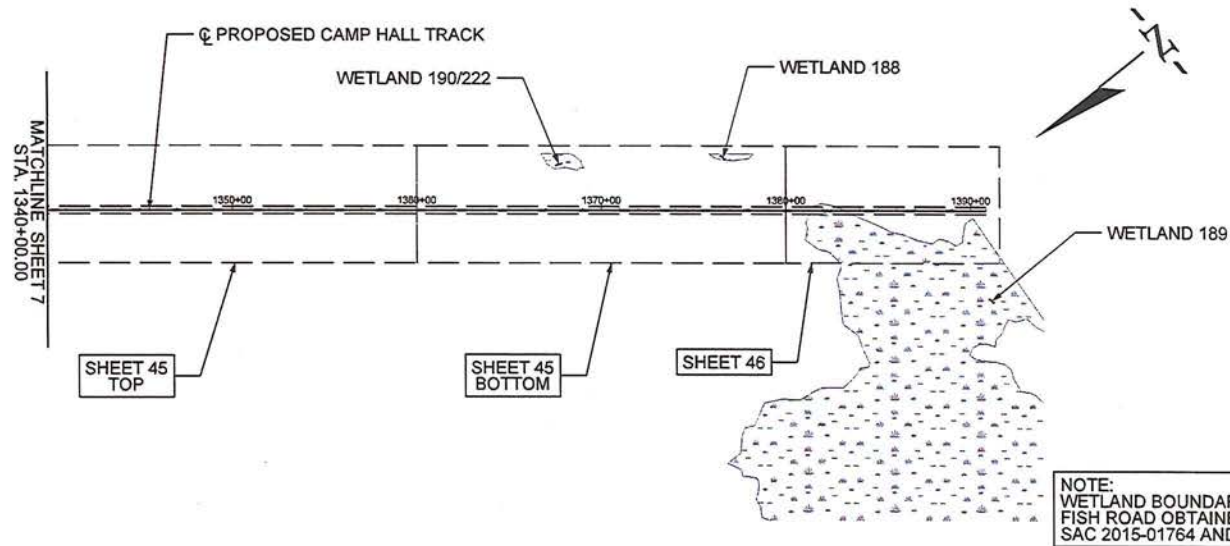
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SAC 2015-01764 AND SAC 2015-00476.

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
BERKELEY COUNTY, SOUTH CAROLINA
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APPLICANT: PALMETTO RAILWAYS



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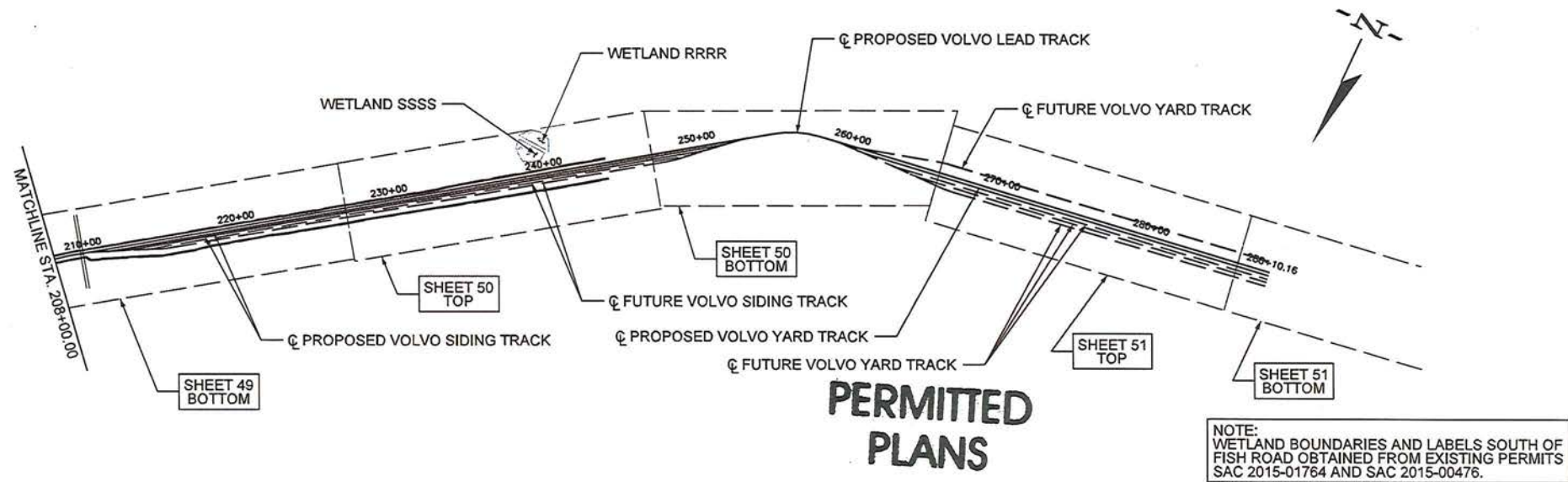
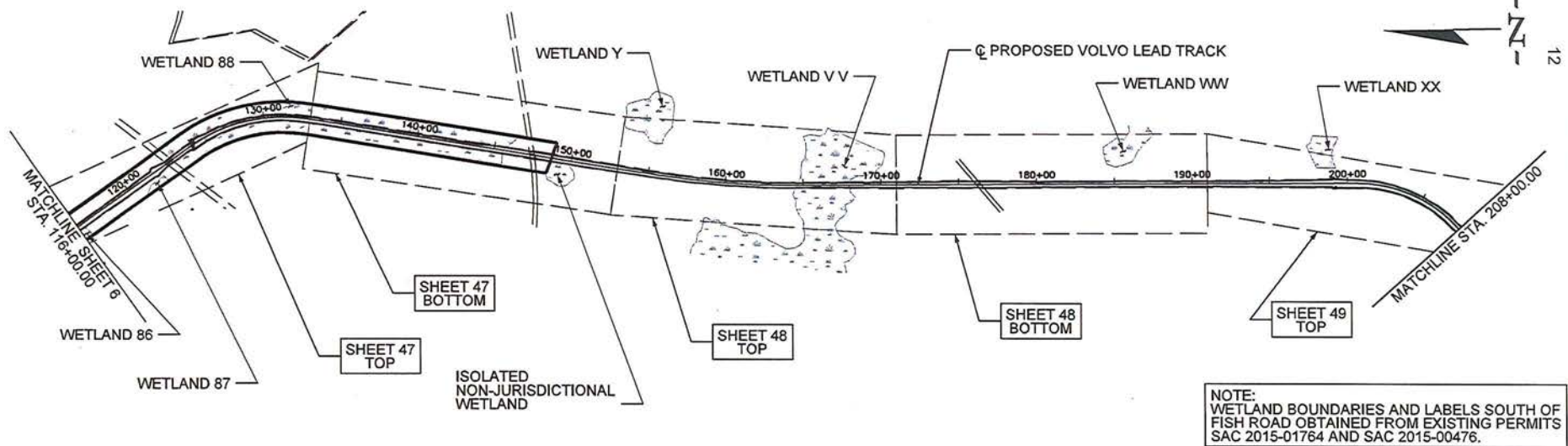
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NON-WETLAND WATERS
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**PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT**
BERKELEY COUNTY, SOUTH CAROLINA
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT
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0 500 1000 2000



APPLICANT: PALMETTO RAILWAYS

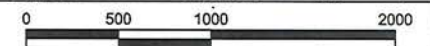


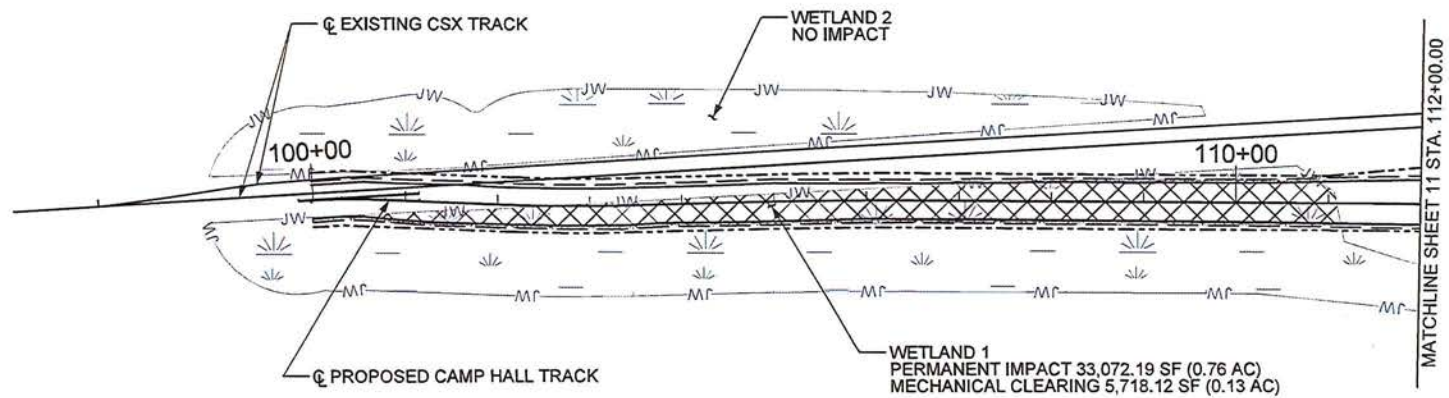
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FROM VOLVO LEAD STA. 116+00.00
TO VOLVO LEAD STA. 288+10.16

	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
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PERMITTED PLANS



APPLICANT: PALMETTO RAILWAYS



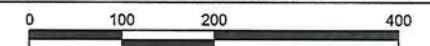
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	33,072.19	0.76
MECHANICAL CLEARING WETLAND IMPACT	5,718.12	0.13
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	38,790.31	0.89

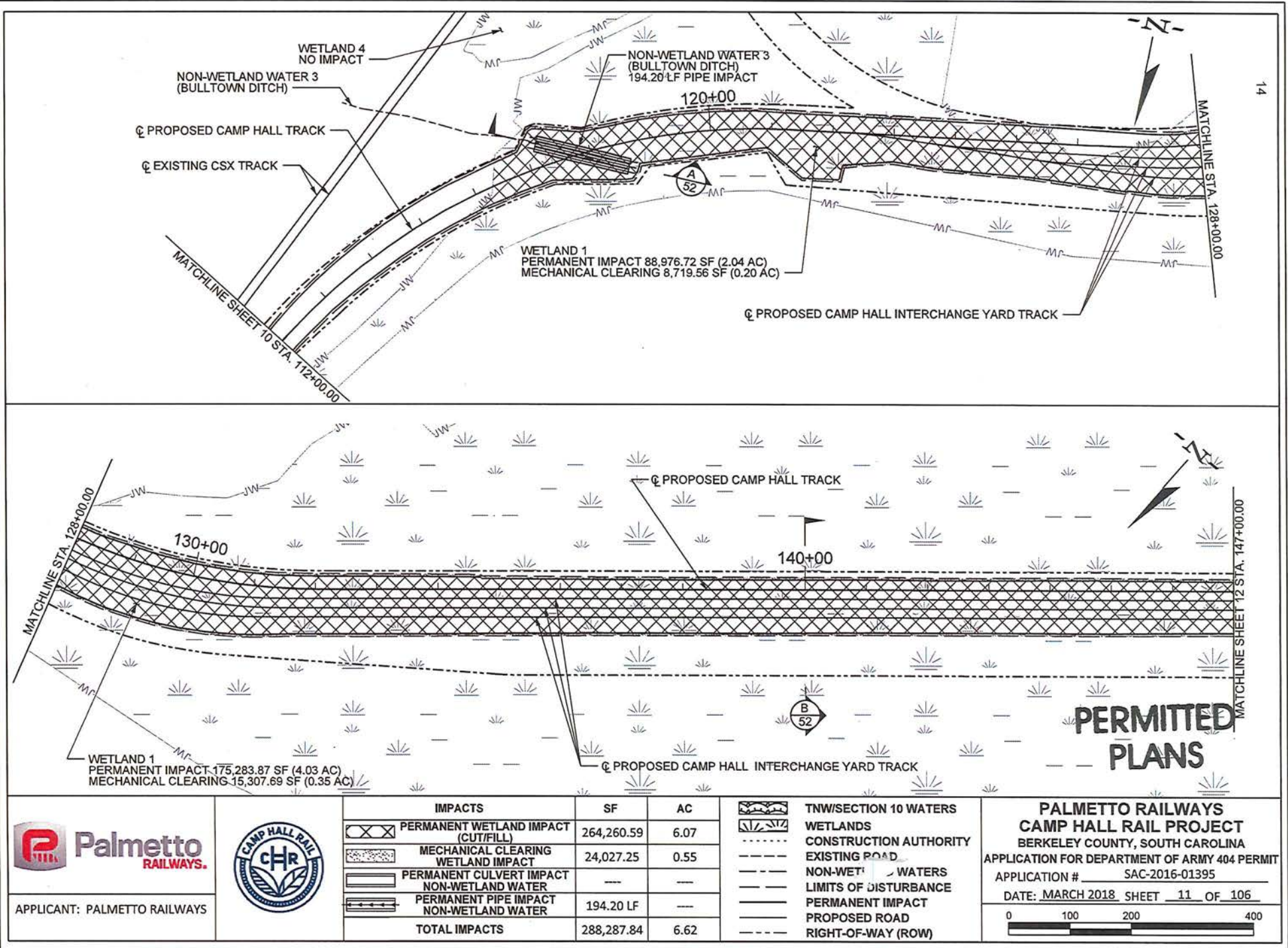
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	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

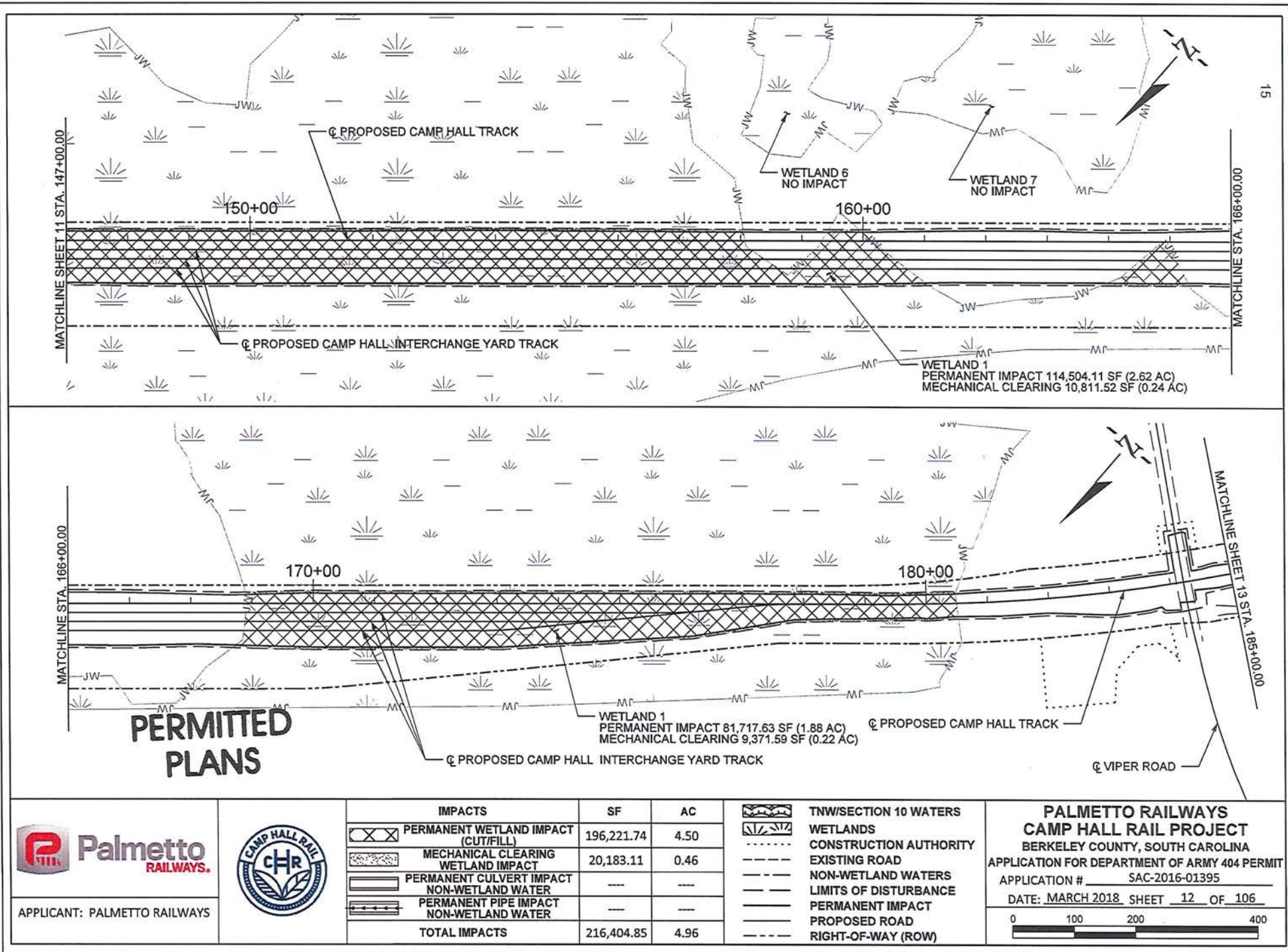
**PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT**
BERKELEY COUNTY, SOUTH CAROLINA
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

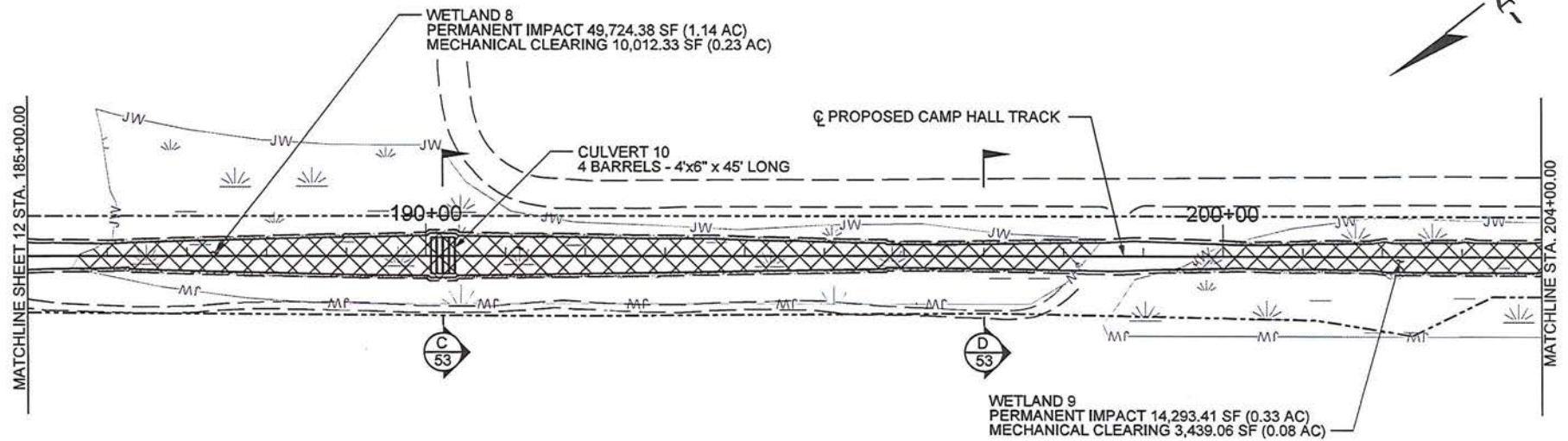
APPLICATION # SAC-2016-01395

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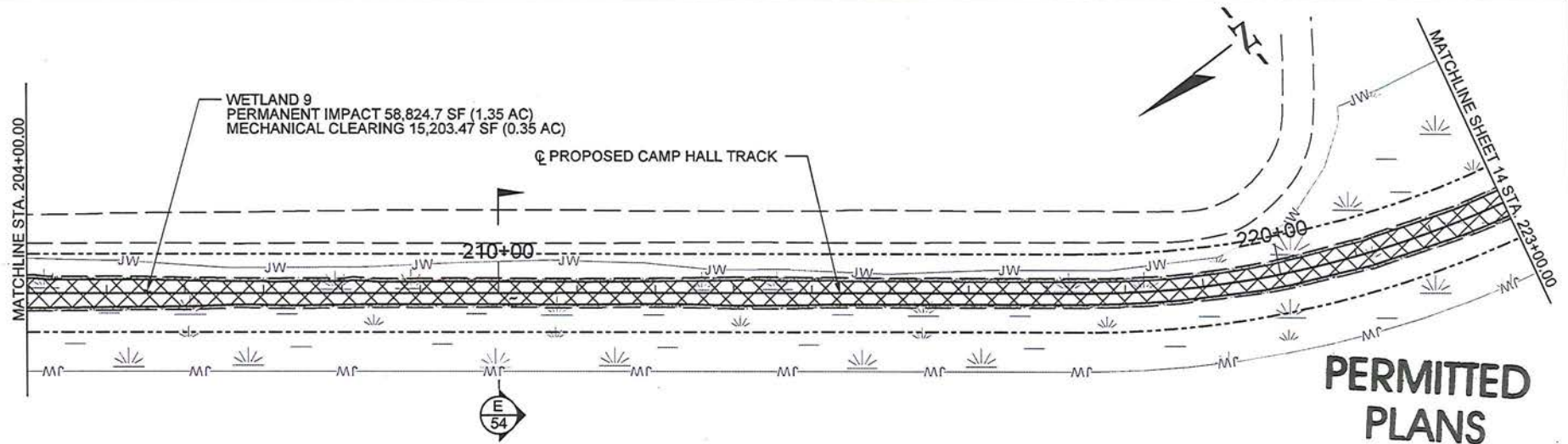








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APPLICANT: PALMETTO RAILWAYS

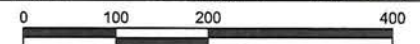


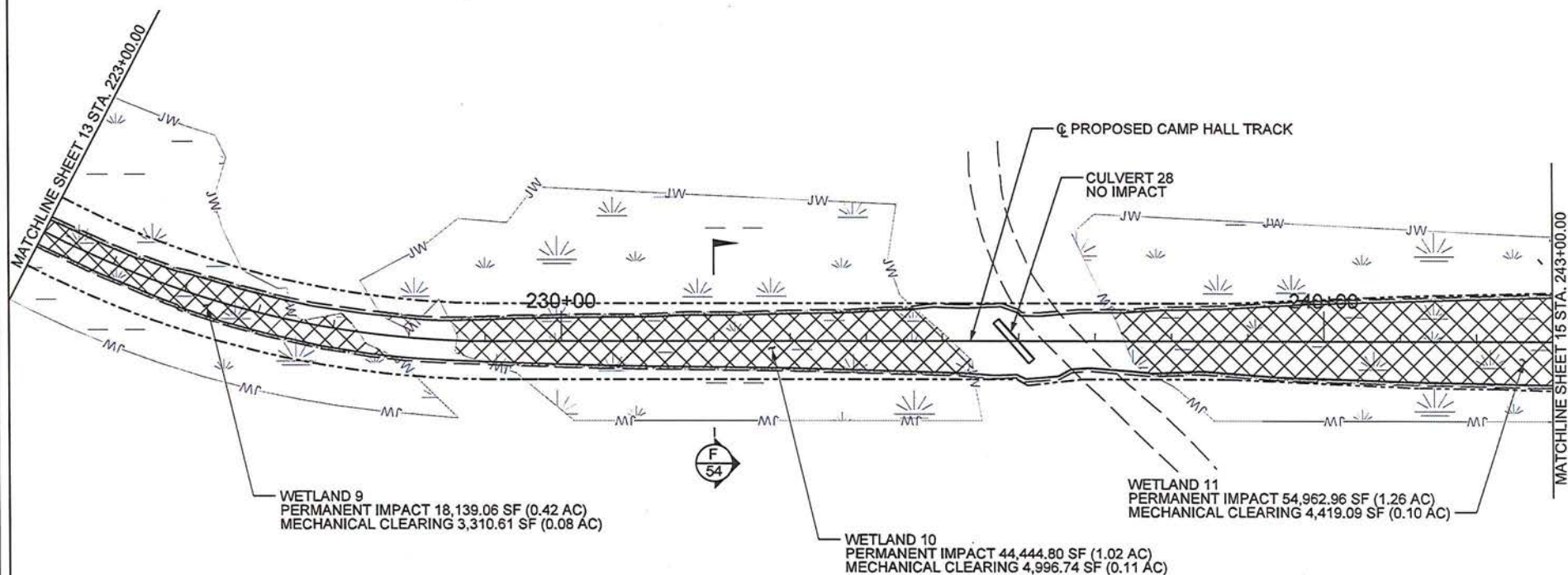
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	122,842.49	2.82
MECHANICAL CLEARING WETLAND IMPACT	28,654.86	0.66
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	151,497.35	3.48

	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
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT
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APPLICANT: PALMETTO RAILWAYS

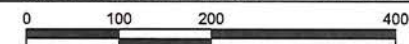


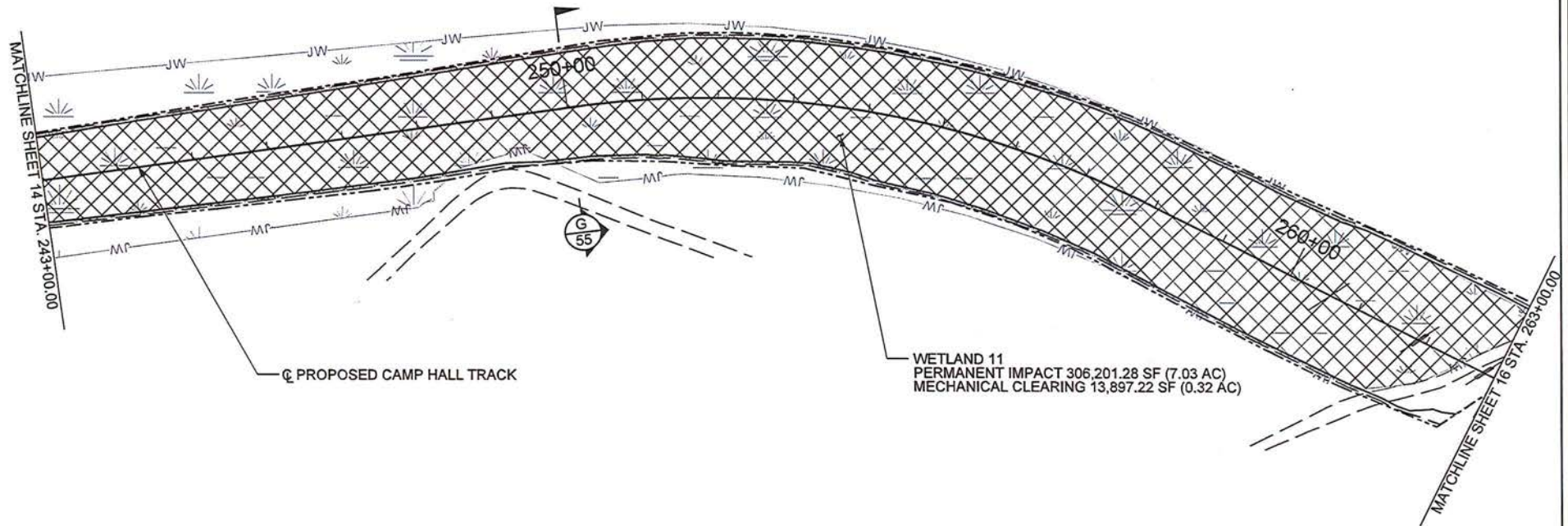
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	117,546.82	2.70
MECHANICAL CLEARING WETLAND IMPACT	12,726.44	0.29
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	130,273.26	2.99

	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
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PERMITTED PLANS



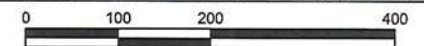
APPLICANT: PALMETTO RAILWAYS

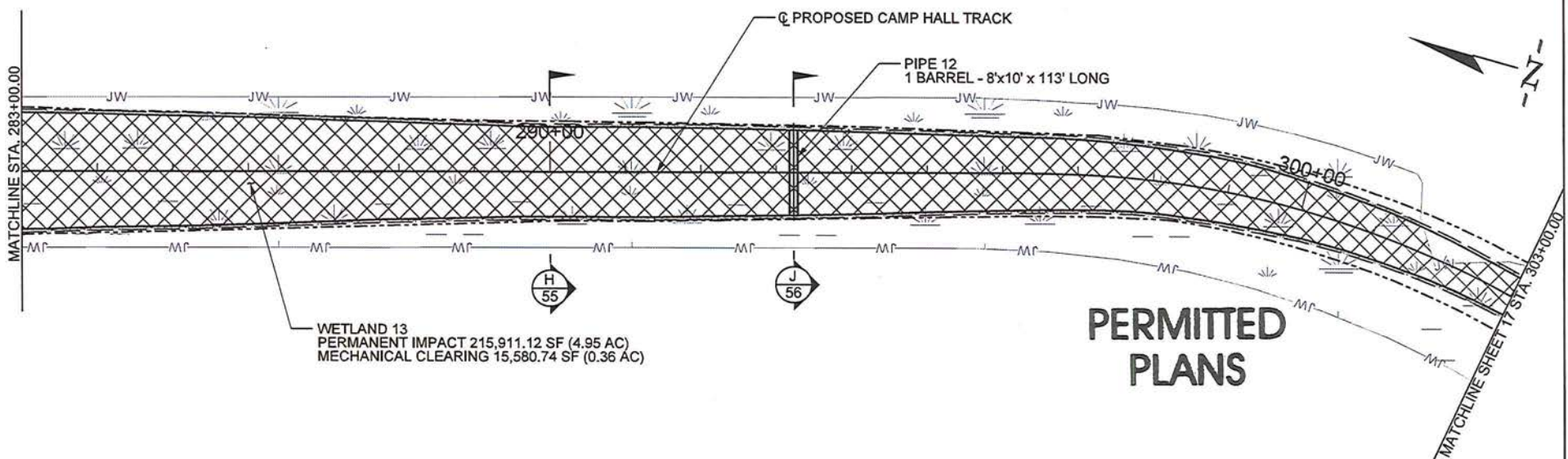
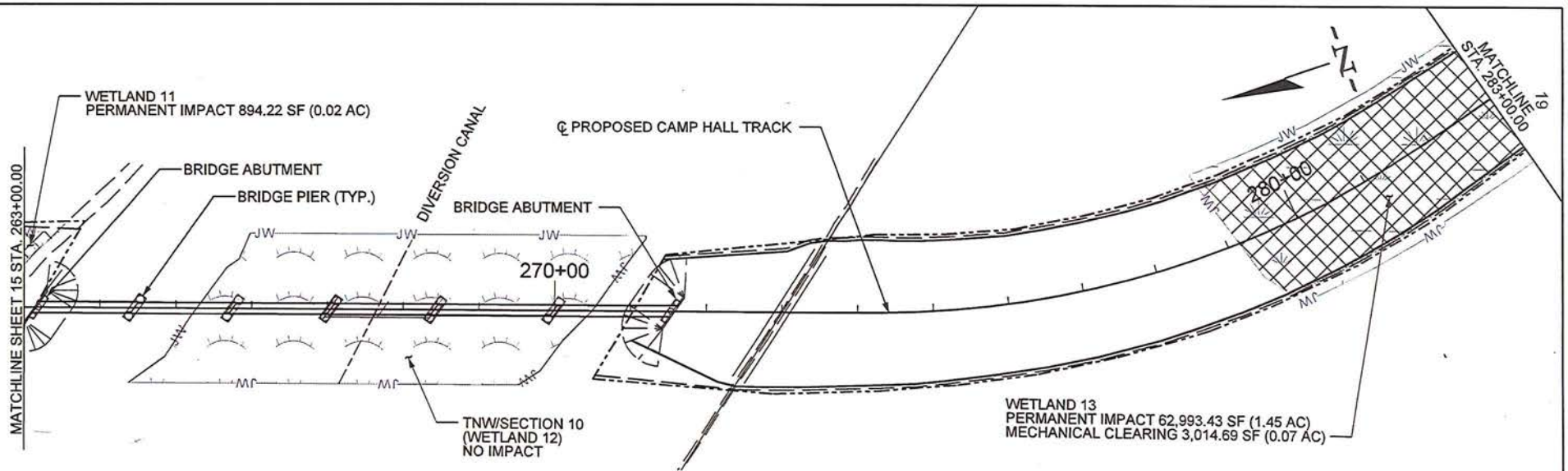


IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	306,201.28	7.03
MECHANICAL CLEARING WETLAND IMPACT	13,897.22	0.32
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	320,098.50	7.35

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

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
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APPLICANT: PALMETTO RAILWAYS

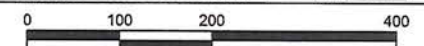


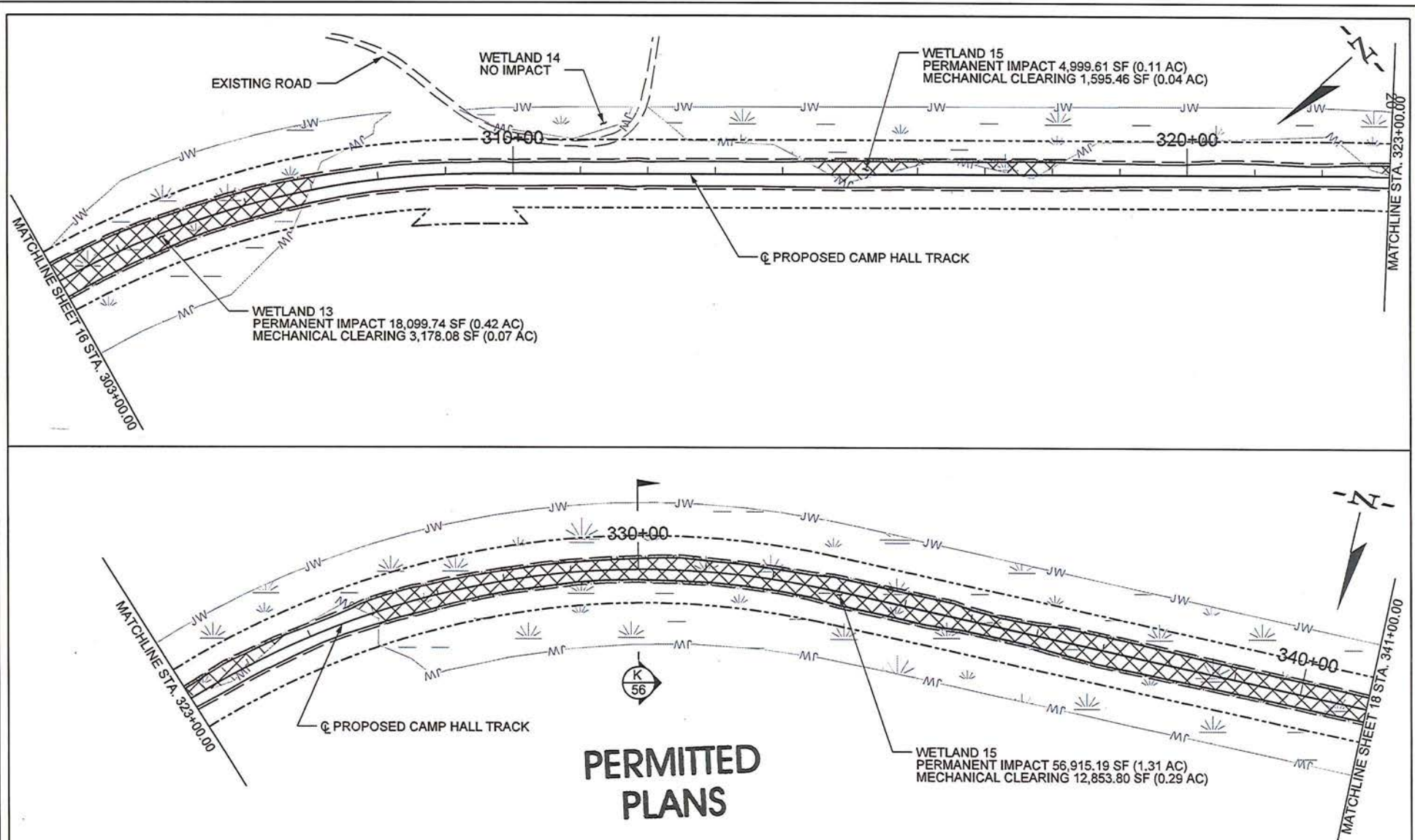
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	279,798.77	6.42
MECHANICAL CLEARING WETLAND IMPACT	18,595.43	0.43
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	298,394.20	6.87

	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
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	PROPOSED ROAD
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT
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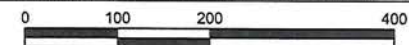


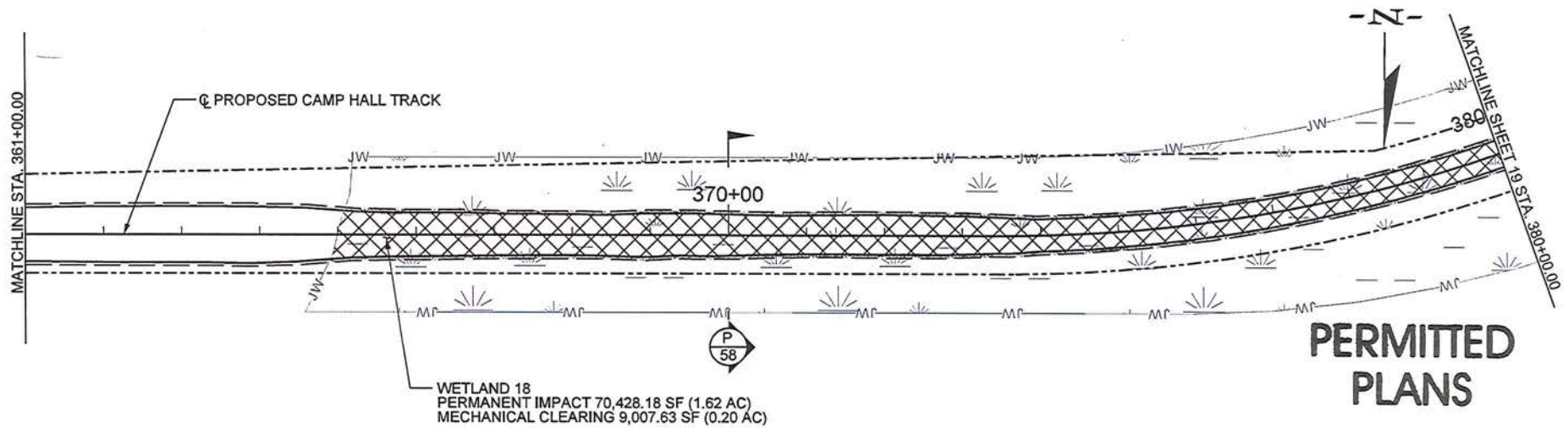
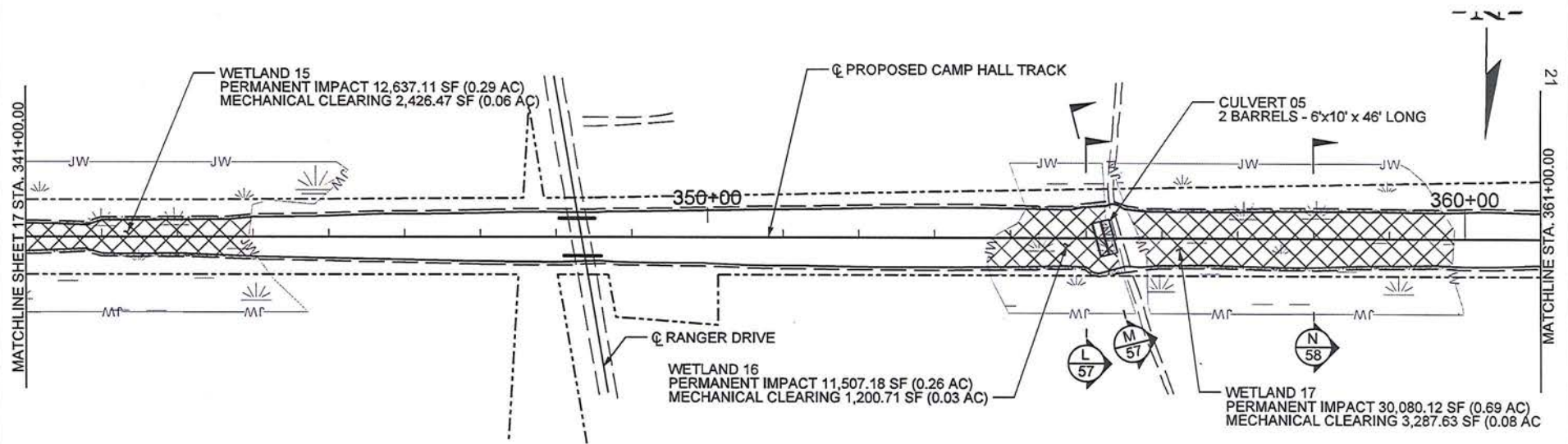
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	80,014.54	1.84
MECHANICAL CLEARING WETLAND IMPACT	17,627.34	0.40
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	97,641.88	2.24

	TNW/SECTION 10 WATERS
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PALMETTO RAILWAYS
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APPLICANT: PALMETTO RAILWAYS



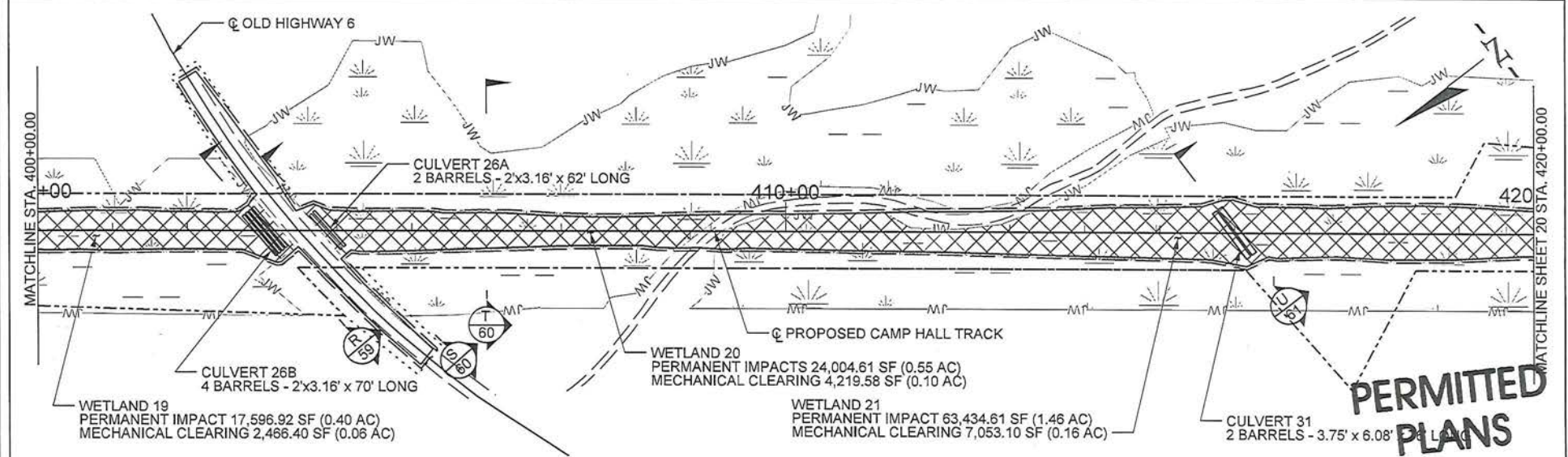
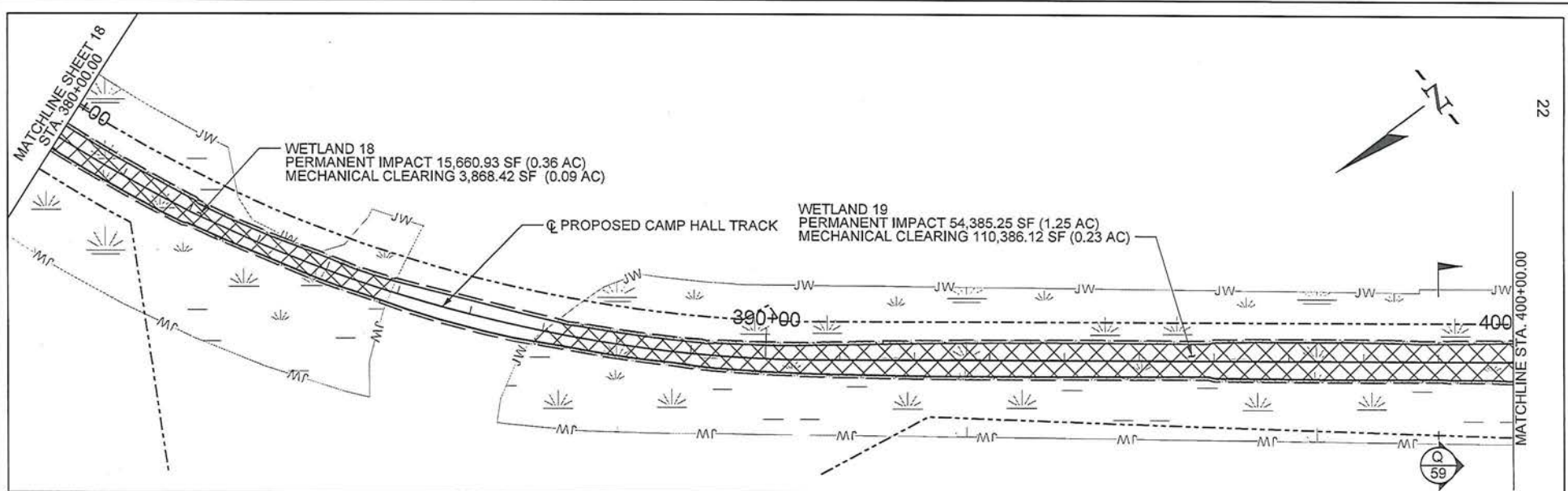
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	124,652.59	2.86
MECHANICAL CLEARING WETLAND IMPACT	15,922.44	0.37
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	140,575.03	3.23

	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
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**PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT**
BERKELEY COUNTY, SOUTH CAROLINA
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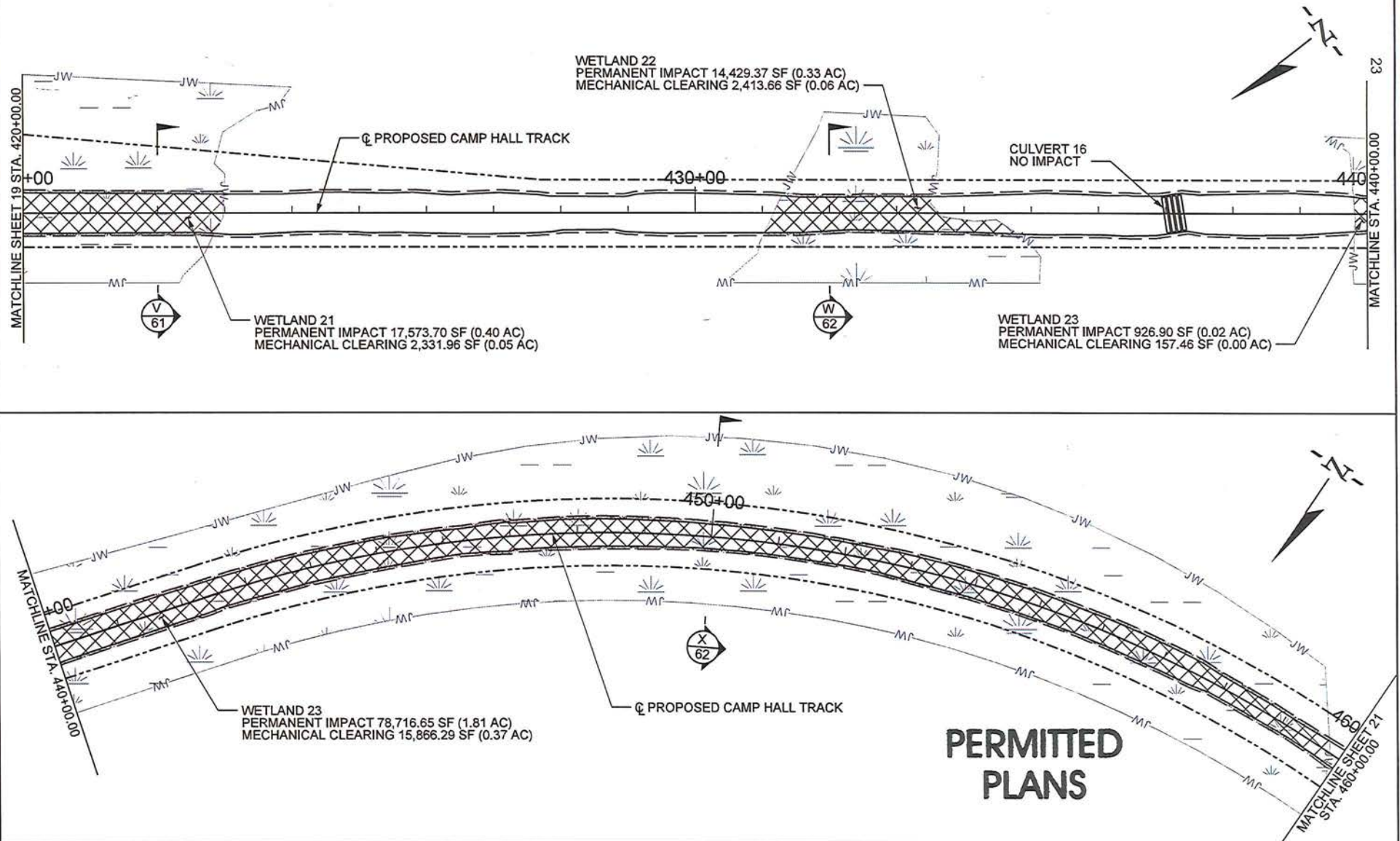
APPLICANT: PALMETTO RAILWAYS



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	---	---
TOTAL IMPACTS	203,072.94	4.66

	TNW/SECTION 10 WATERS
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PALMETTO RAILWAYS	
CAMP HALL RAIL PROJECT	
BERKELEY COUNTY, SOUTH CAROLINA	
APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT	
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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	---	---
TOTAL IMPACTS	132,415.99	3.04

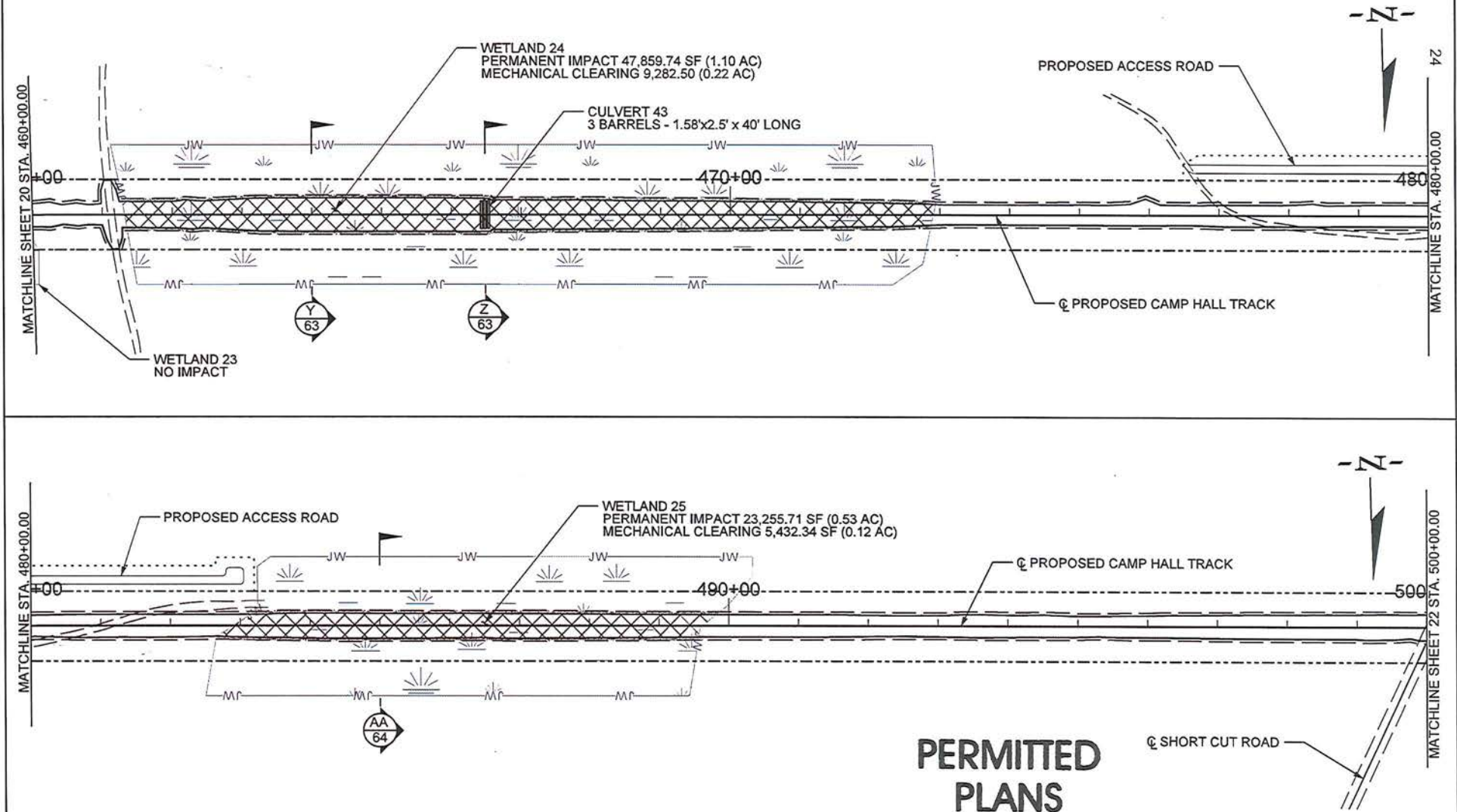


TNW/SECTION 10 WATERS
WETLANDS
CONSTRUCTION AUTHORITY
EXISTING ROAD
NON-WETLAND WATERS
LIMITS OF DISTURBANCE
PERMANENT IMPACT
PROPOSED ROAD
RIGHT-OF-WAY (ROW)

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



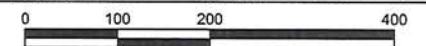
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	71,115.45	1.63
MECHANICAL CLEARING WETLAND IMPACT	14,714.84	0.34
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	85,830.29	1.97

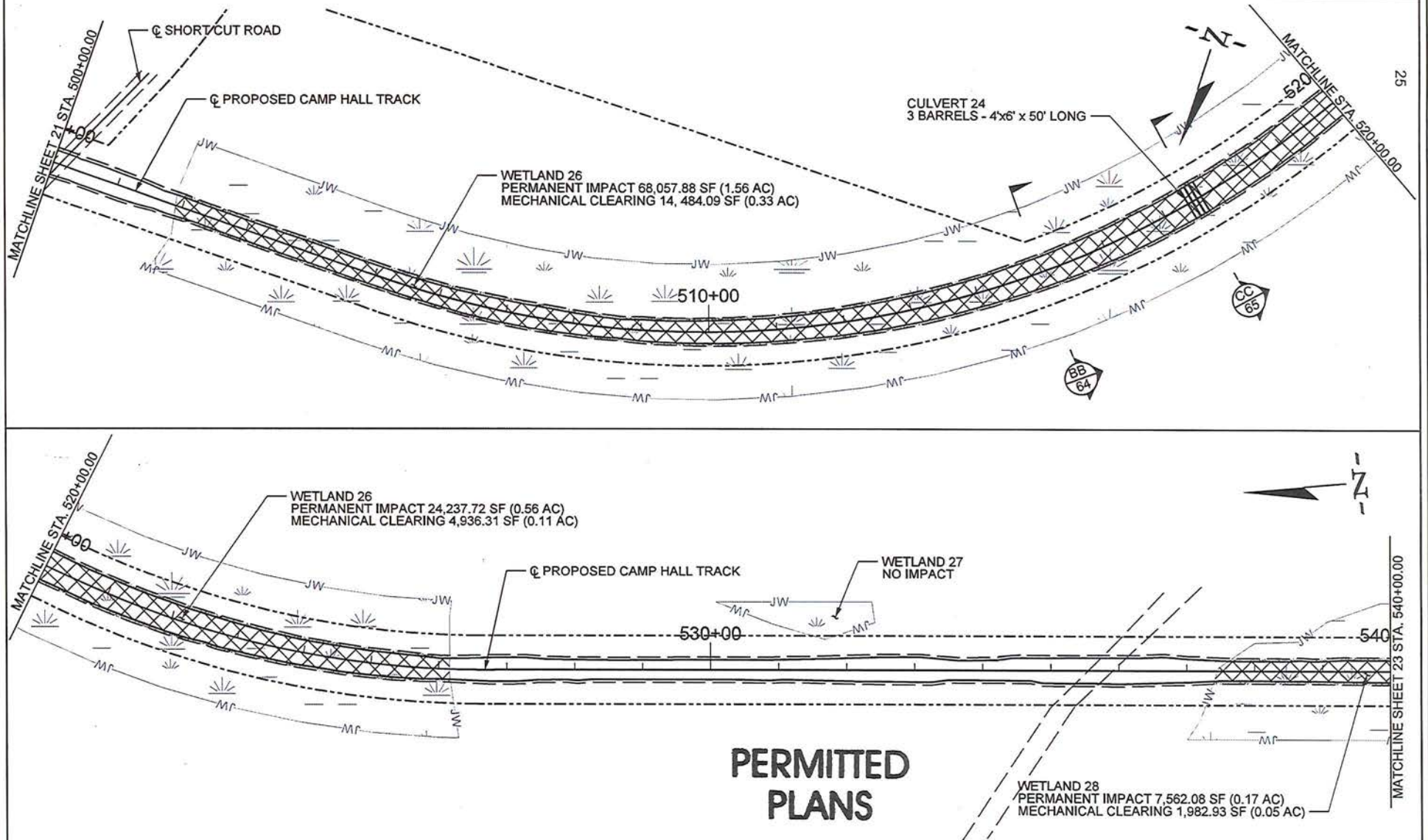
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	CONSTRUCTION AUTHORITY
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	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
BERKELEY COUNTY, SOUTH CAROLINA
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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	---	---
TOTAL IMPACTS	121,261.01	2.78



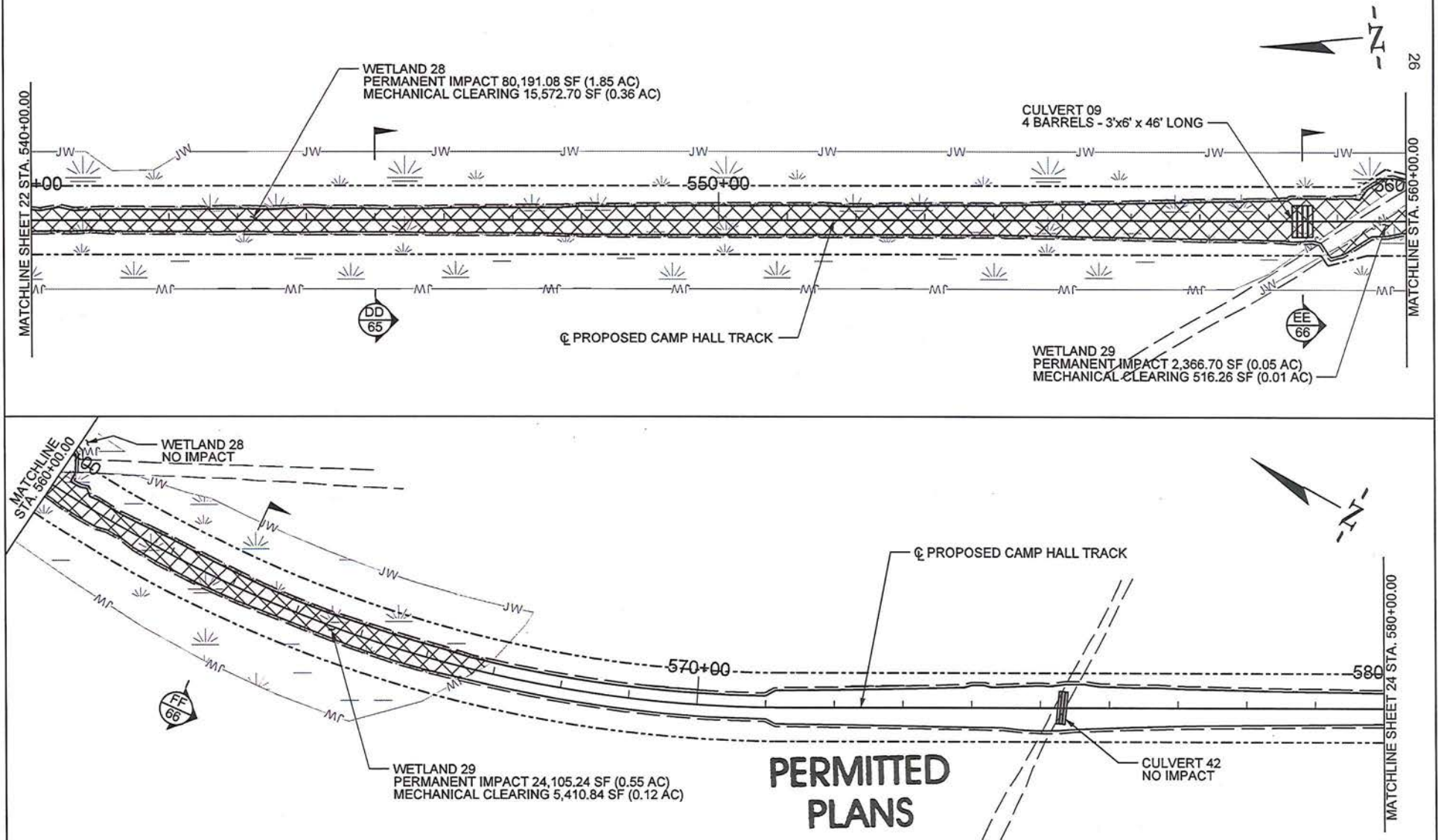
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CONSTRUCTION AUTHORITY
EXISTING ROAD
NON-WETLAND WATERS
LIMITS OF DISTURBANCE
PERMANENT IMPACT
PROPOSED ROAD
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
BERKELEY COUNTY, SOUTH CAROLINA
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0 100 200 400



APPLICANT: PALMETTO RAILWAYS



IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	106,663.02	2.45
MECHANICAL CLEARING WETLAND IMPACT	21,499.80	0.49
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	128,162.82	2.94

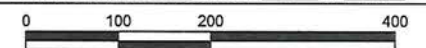


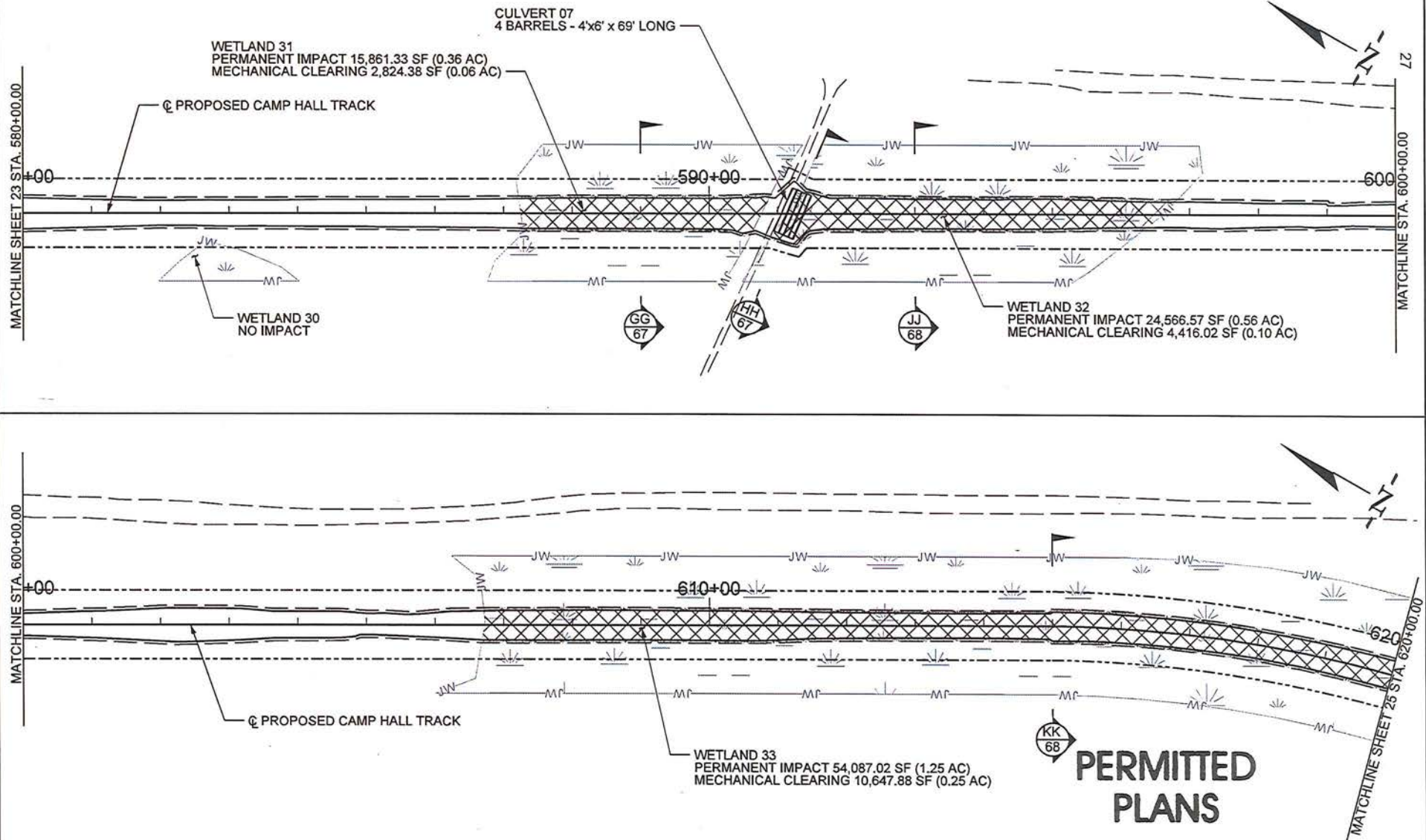
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PALMETTO RAILWAYS
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 BERKELEY COUNTY, SOUTH CAROLINA
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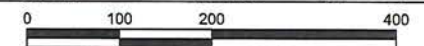
APPLICANT: PALMETTO RAILWAYS

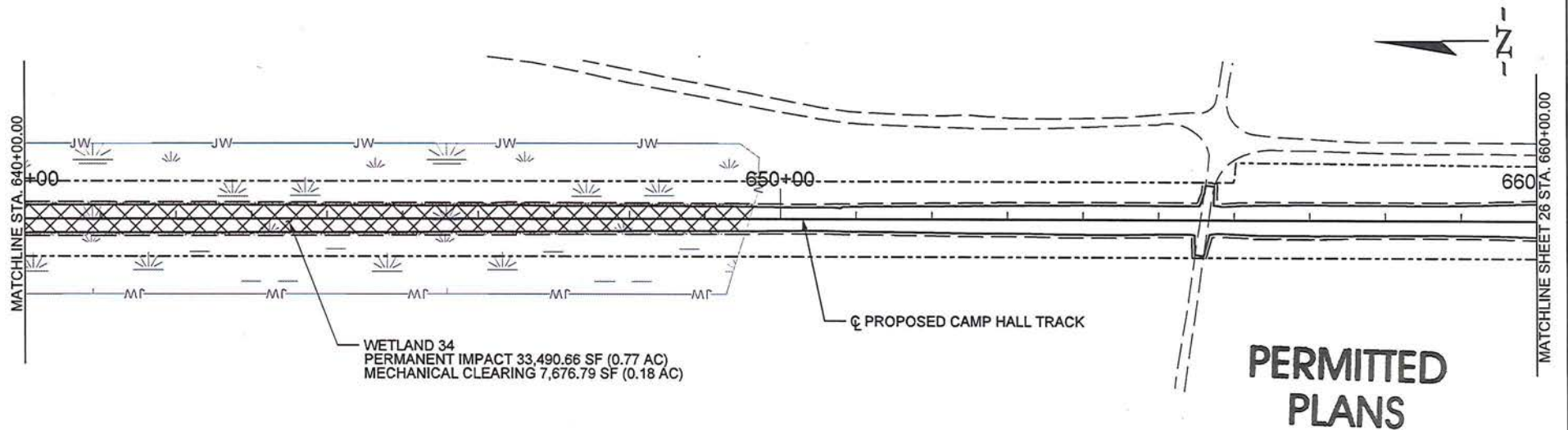
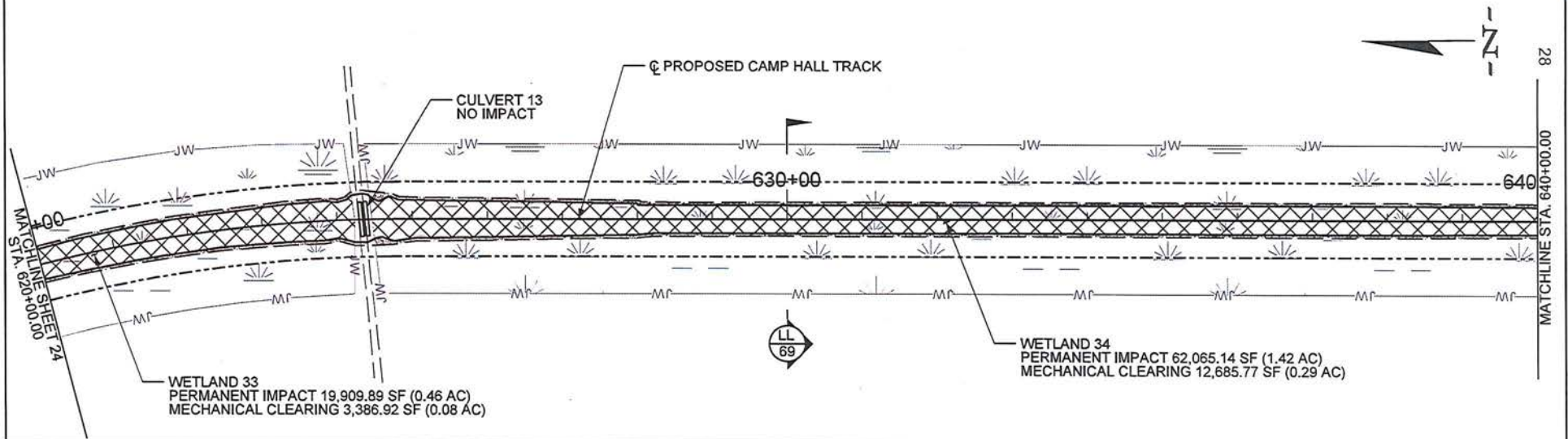


IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	94,514.92	2.17
MECHANICAL CLEARING WETLAND IMPACT	17,888.28	0.41
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	112,403.20	2.58

	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
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	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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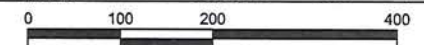
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	115,465.69	2.65
MECHANICAL CLEARING WETLAND IMPACT	23,749.48	0.55
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	139,215.17	3.20

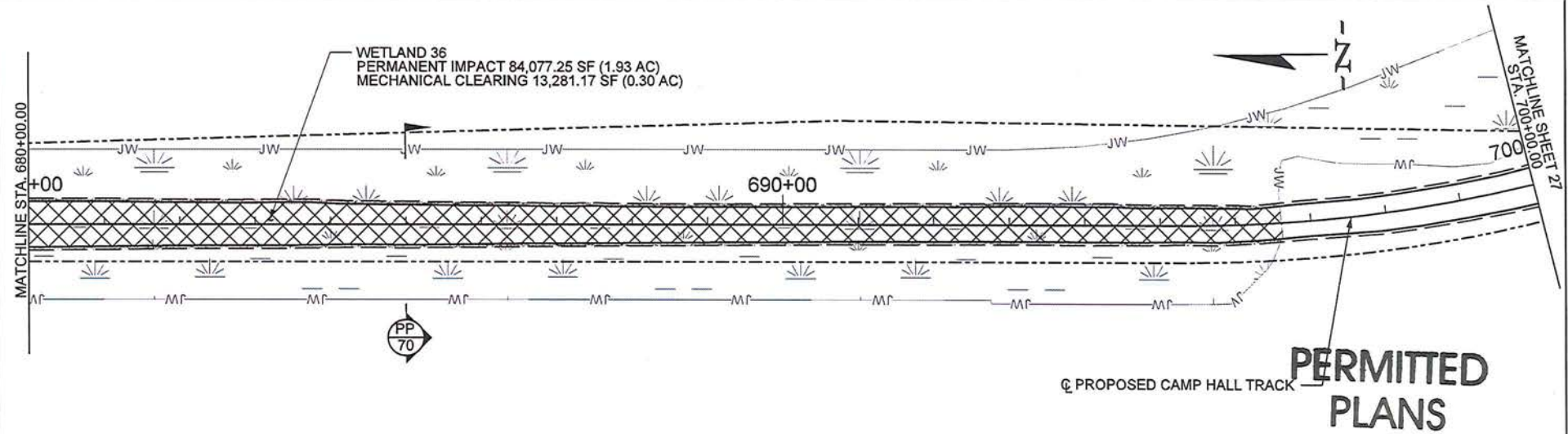
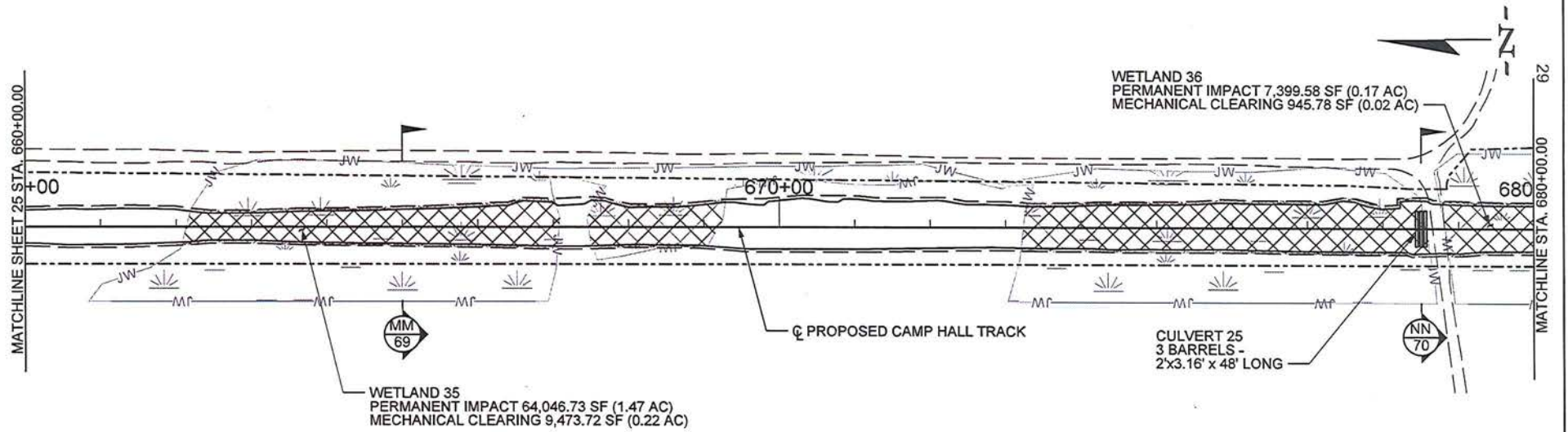
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	PERMANENT IMPACT
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	RIGHT-OF-WAY (ROW)

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

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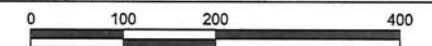


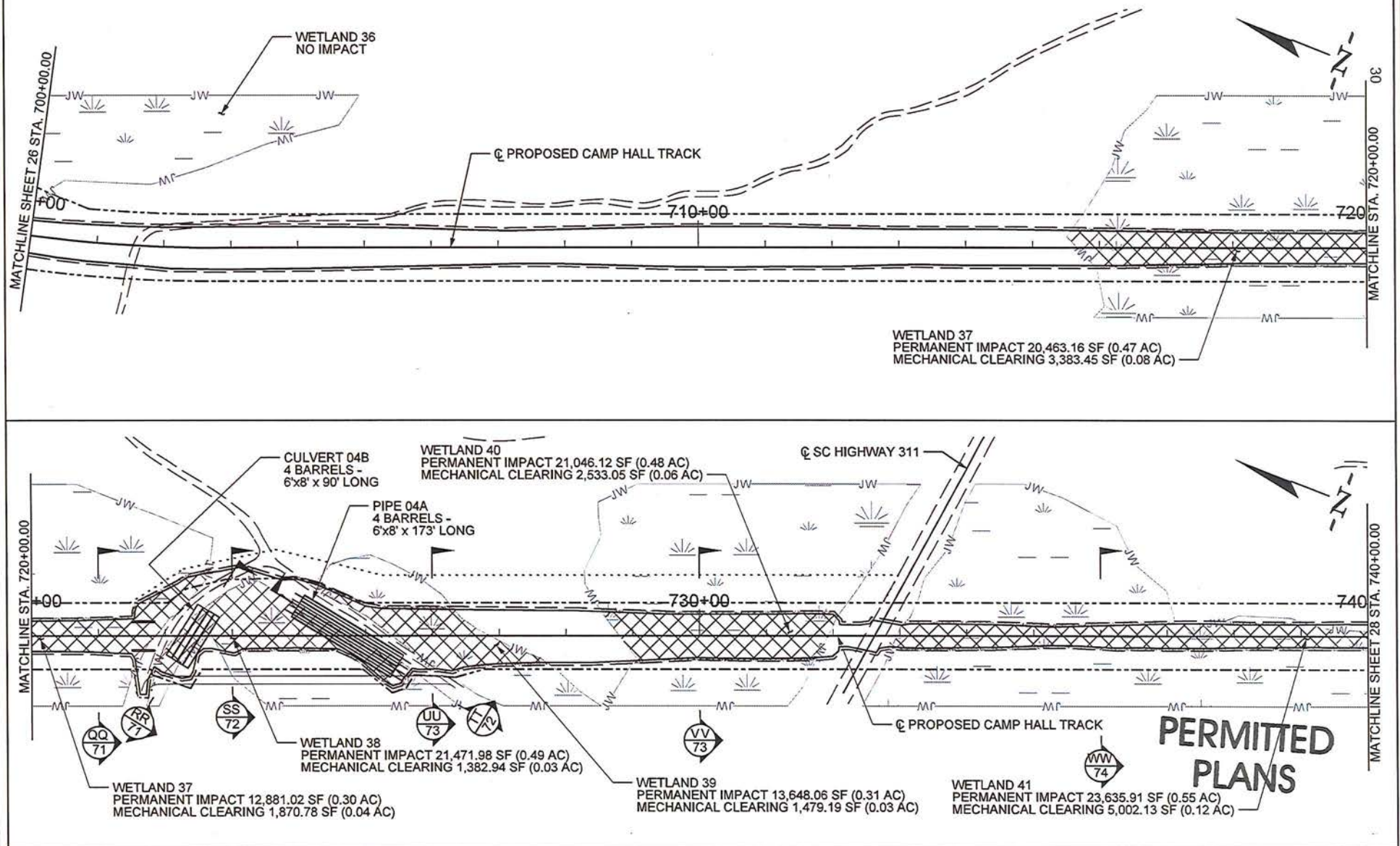
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	155,523.56	3.57
MECHANICAL CLEARING WETLAND IMPACT	23,700.67	0.54
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	179,224.23	4.11

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

**PALMETTO RAILWAYS
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BERKELEY COUNTY, SOUTH CAROLINA
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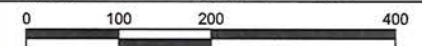
APPLICANT: PALMETTO RAILWAYS

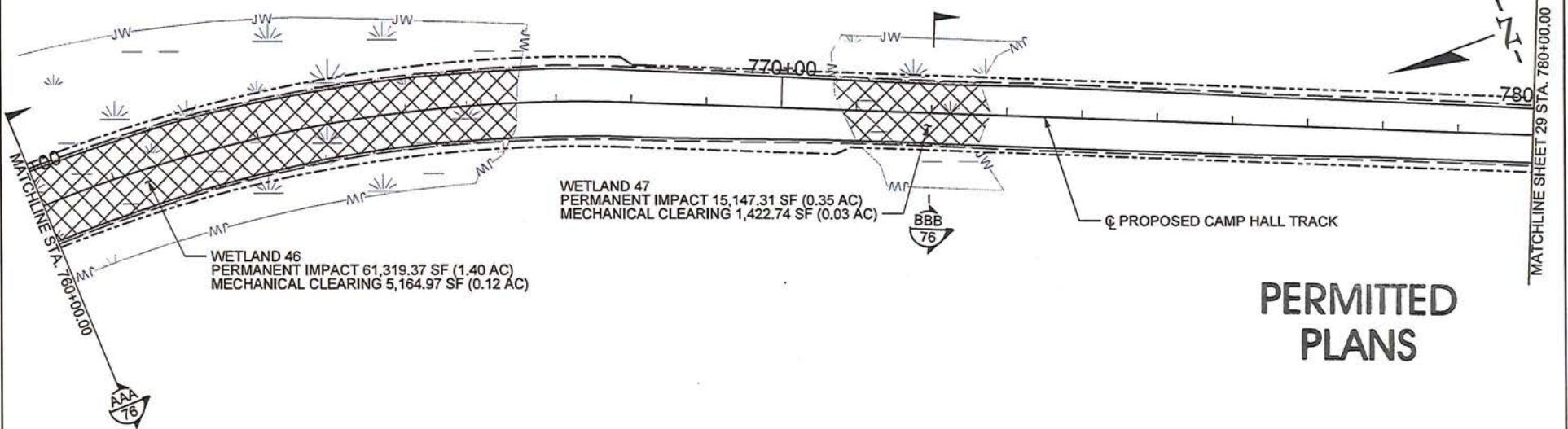
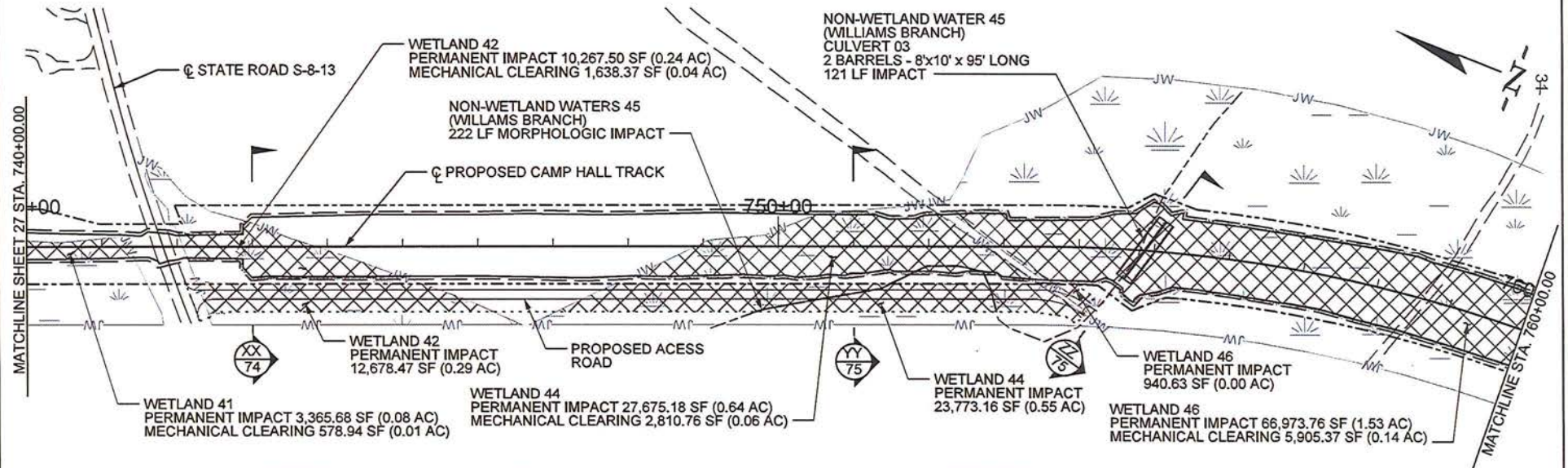


IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	113,046.25	2.60
MECHANICAL CLEARING WETLAND IMPACT	15,651.54	0.36
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	128,697.79	2.96

	TNW/SECTION 10 WATERS
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PALMETTO RAILWAYS
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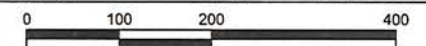
APPLICANT: PALMETTO RAILWAYS

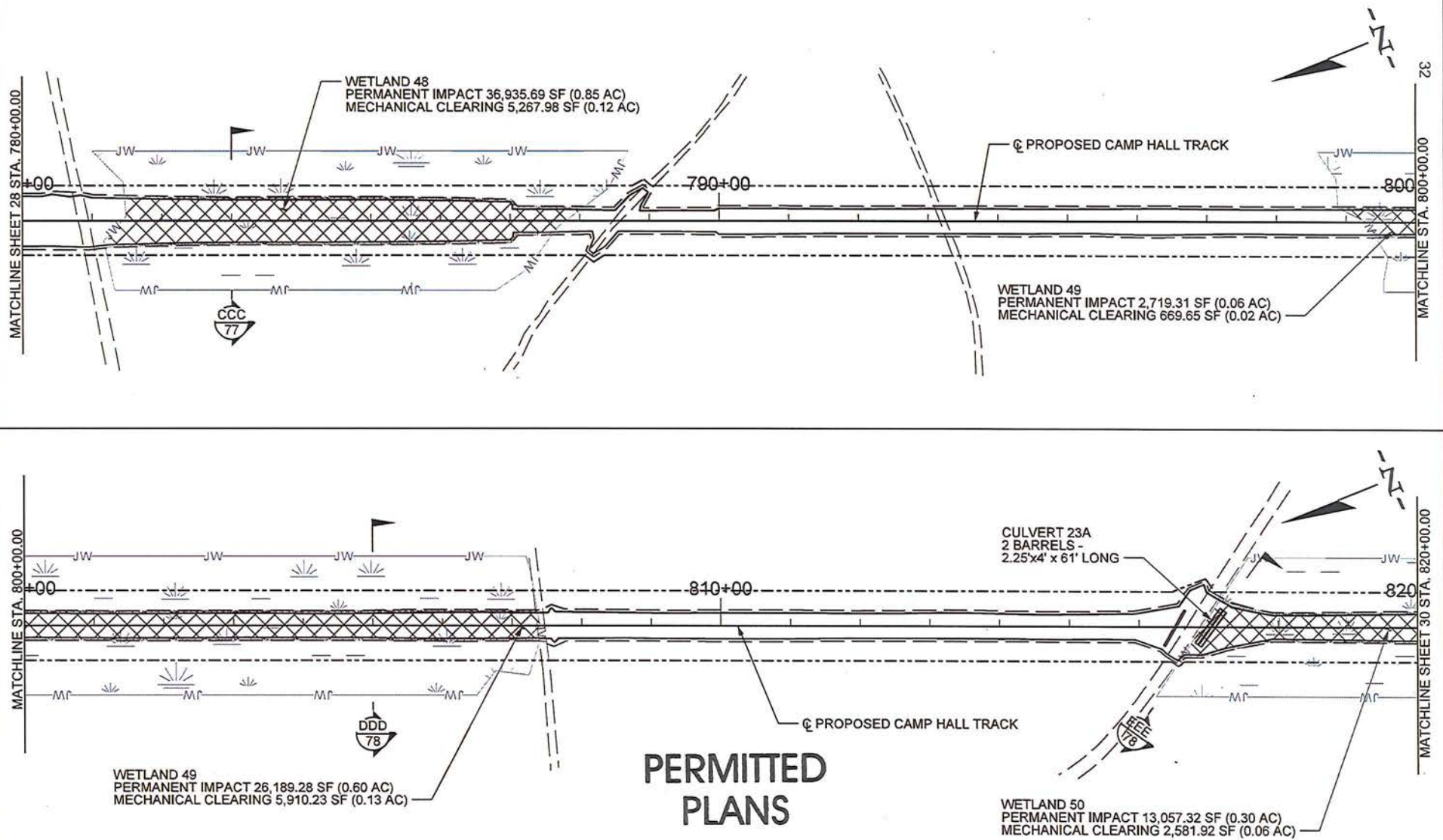


IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	222,141.03	5.10
MECHANICAL CLEARING WETLAND IMPACT	17,521.15	0.40
PERMANENT MORPHOLOGIC IMPACT NON-WETLAND WATER	222 LF	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	121 LF	---
TOTAL IMPACTS	239,662.21	5.50

	TNW/SECTION 10 WATERS
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	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

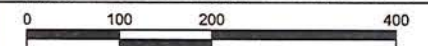


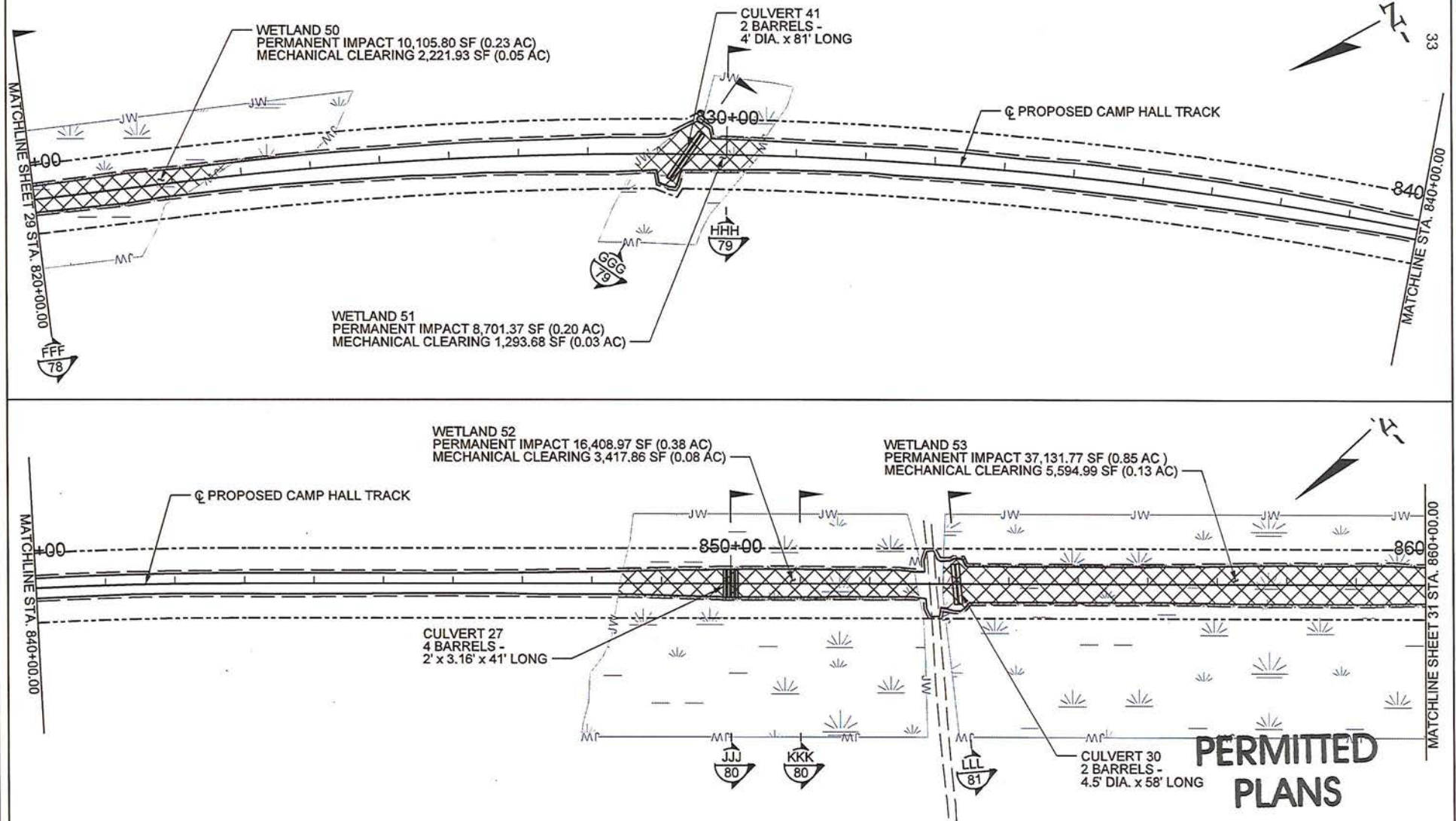
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	78,901.60	1.81
MECHANICAL CLEARING WETLAND IMPACT	14,429.78	0.33
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	93,331.38	2.14

	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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APPLICANT: PALMETTO RAILWAYS



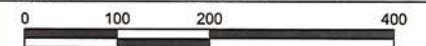
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	72,347.91	1.66
MECHANICAL CLEARING WETLAND IMPACT	12,528.46	0.29
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	84,876.37	1.95

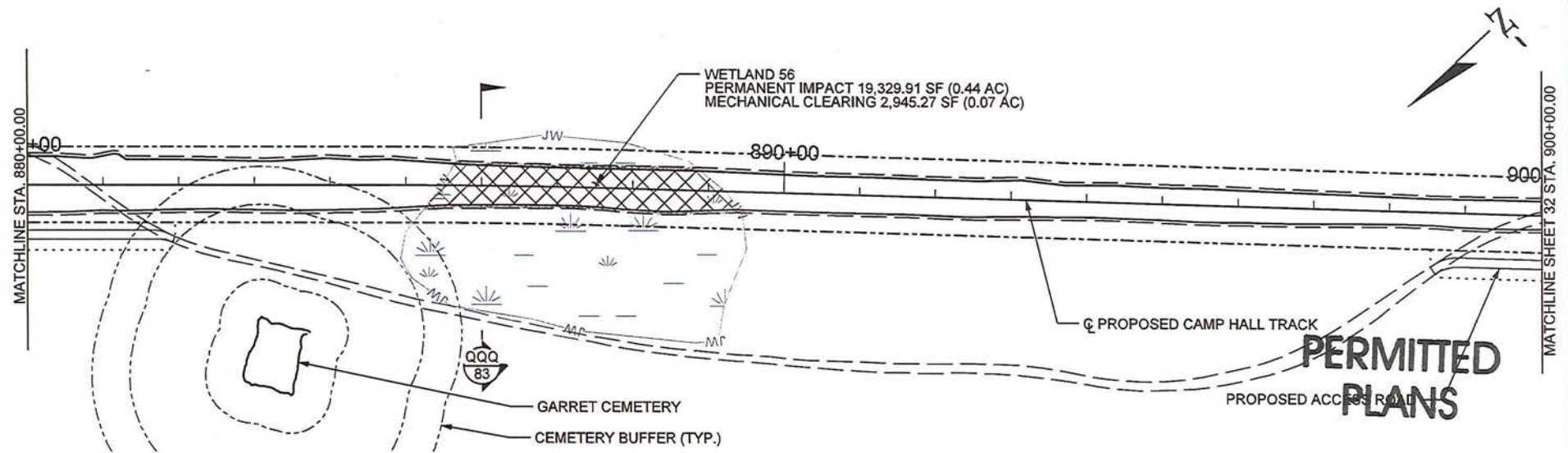
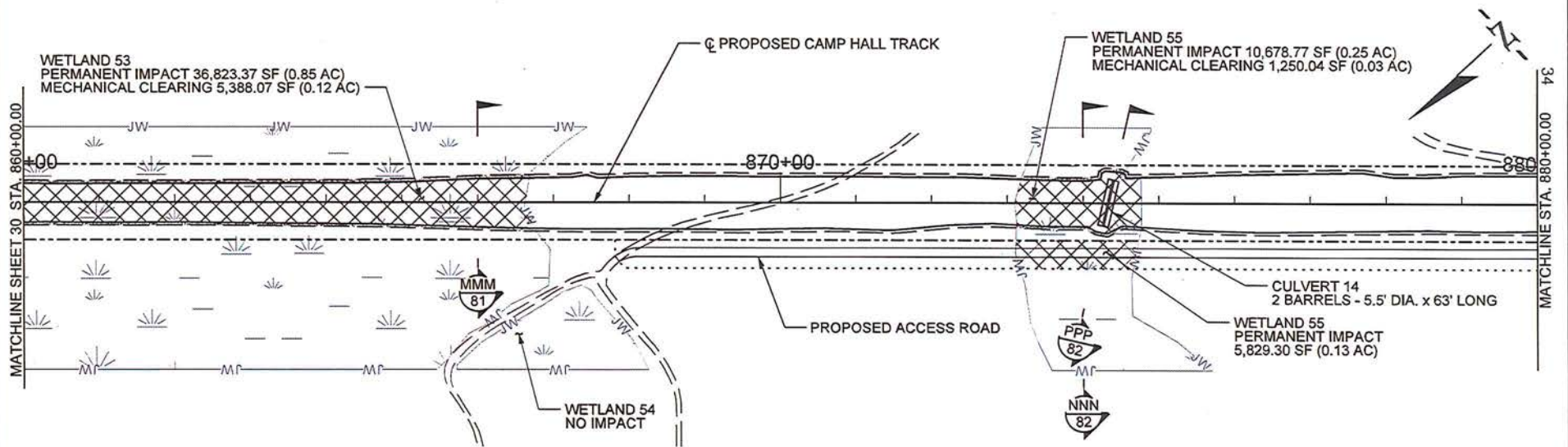
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	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

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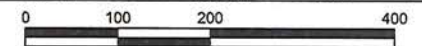
APPLICANT: PALMETTO RAILWAYS

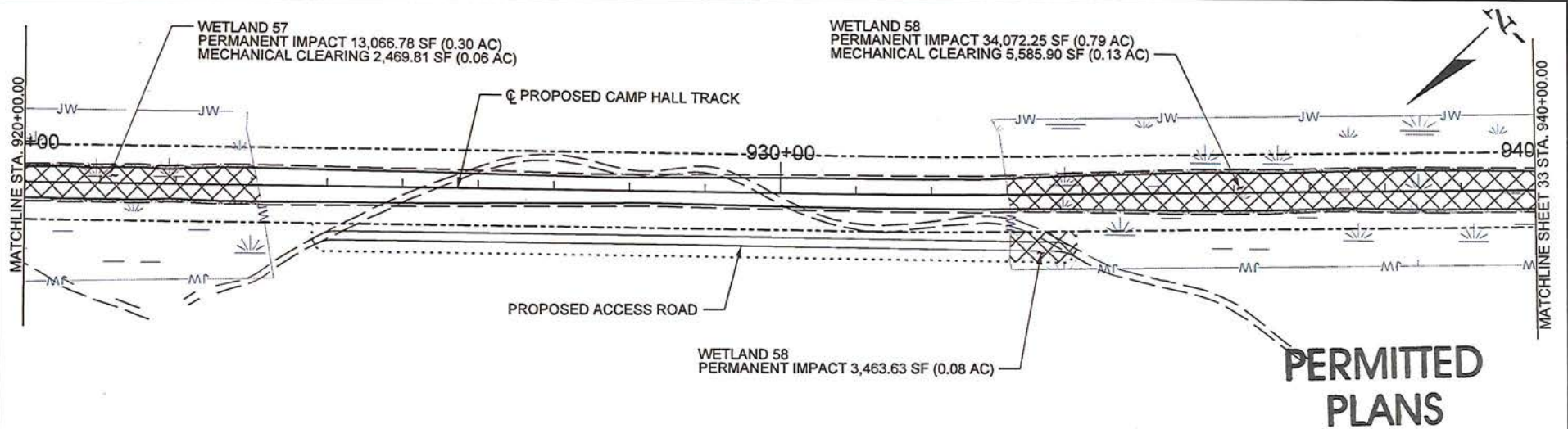
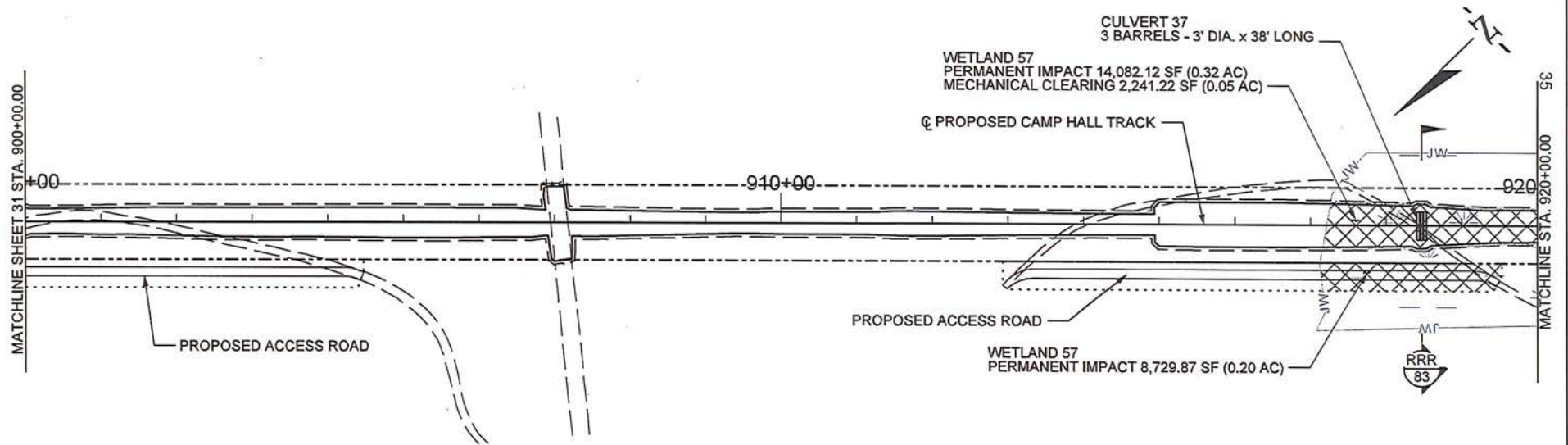


IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	72,661.35	1.67
MECHANICAL CLEARING WETLAND IMPACT	9,583.38	0.22
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	82,244.73	1.89

	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
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PALMETTO RAILWAYS
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APPLICANT: PALMETTO RAILWAYS



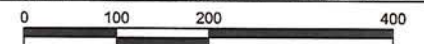
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	73,414.65	1.69
MECHANICAL CLEARING WETLAND IMPACT	10,296.93	0.24
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	83,711.58	1.93

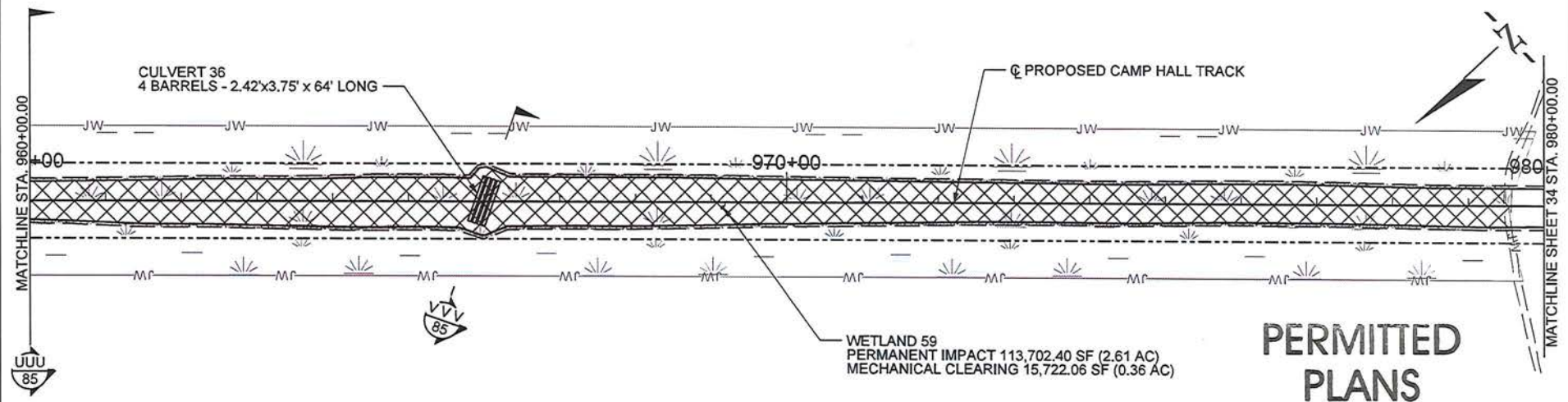
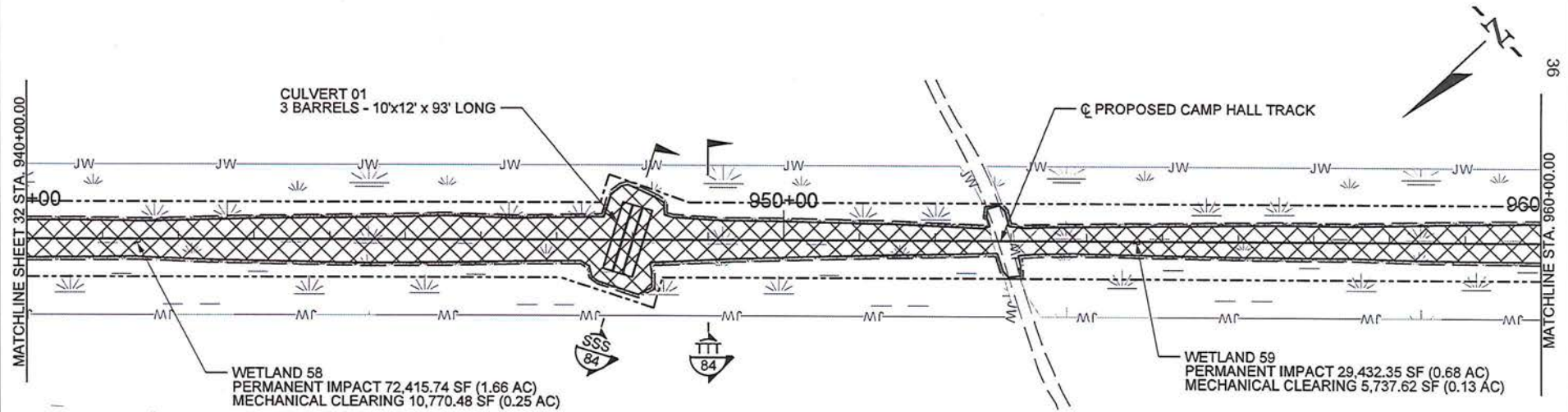
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	WETLANDS
	CONSTRUCTION AUTHORITY
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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 APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT

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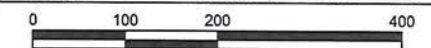


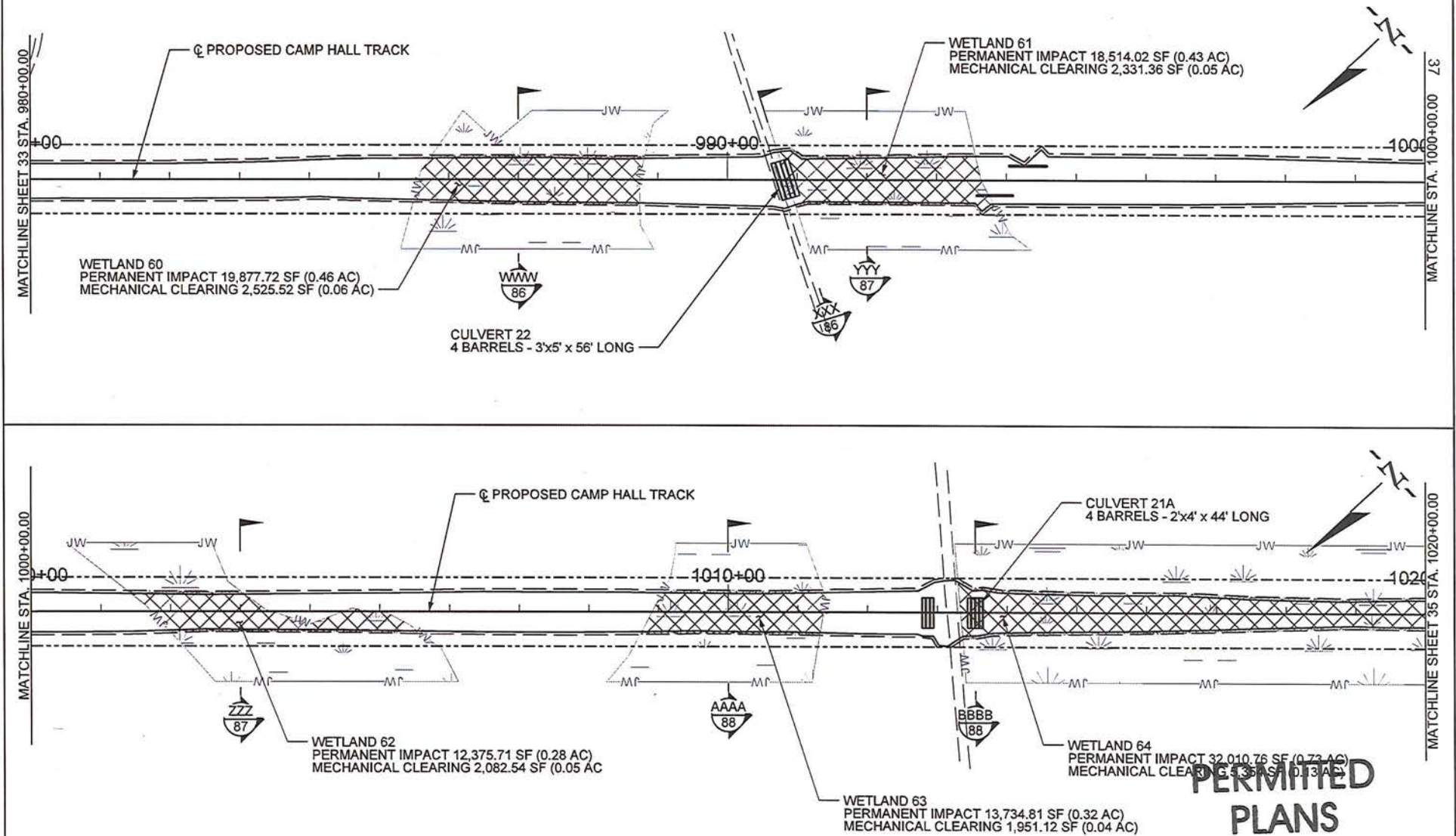
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	215,550.49	4.95
MECHANICAL CLEARING WETLAND IMPACT	32,230.16	0.74
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	247,780.65	5.69

	TNW/SECTION 10 WATERS
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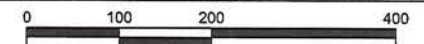
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	96,513.02	2.22
MECHANICAL CLEARING WETLAND IMPACT	14,244.54	0.33
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	110,757.56	2.55

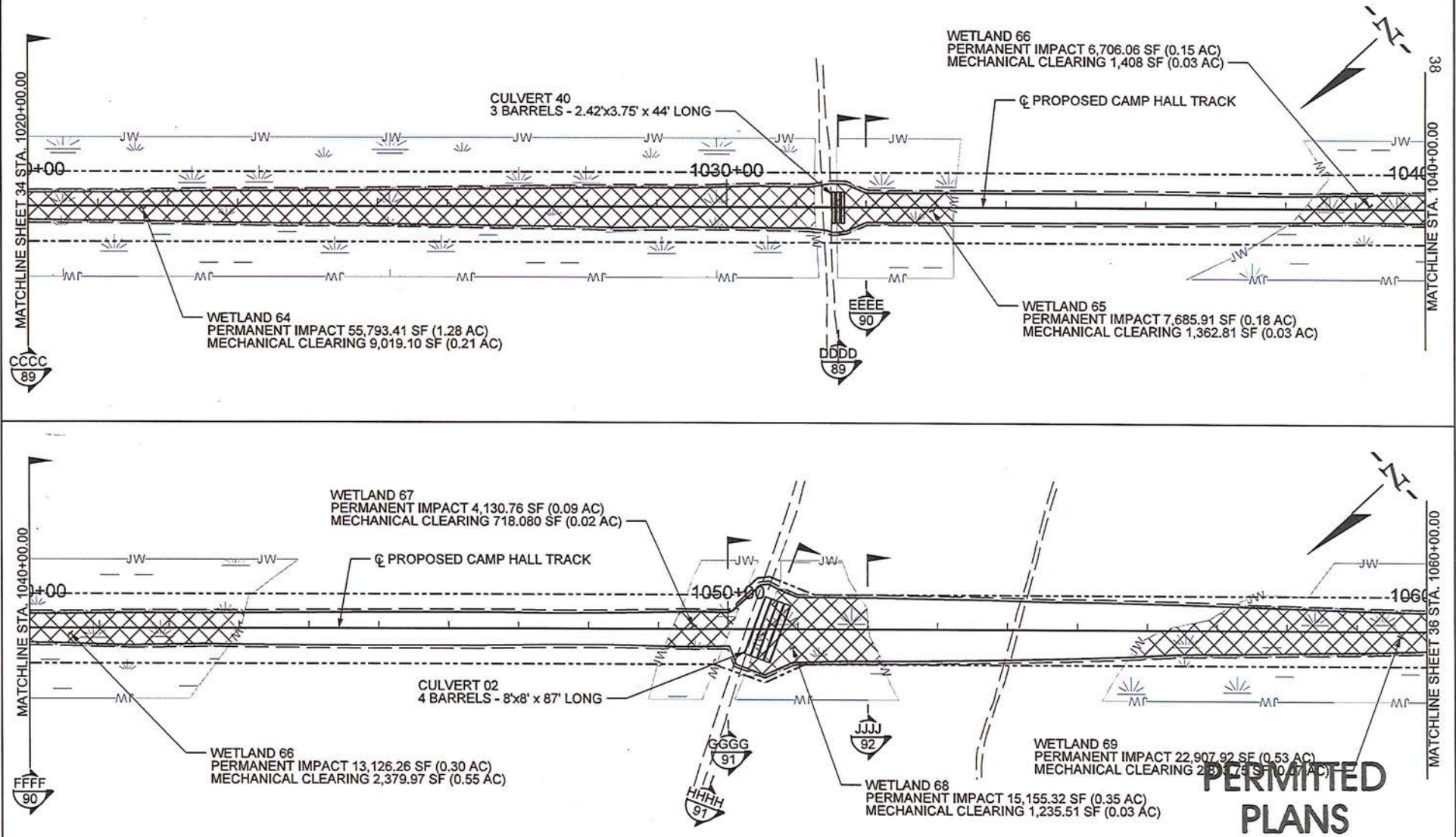
	TNW/SECTION 10 WATERS
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	NON-WETLAND WATERS
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IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	125,505.64	2.88
MECHANICAL CLEARING WETLAND IMPACT	40,349.76	0.93
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	165,855.40	3.81



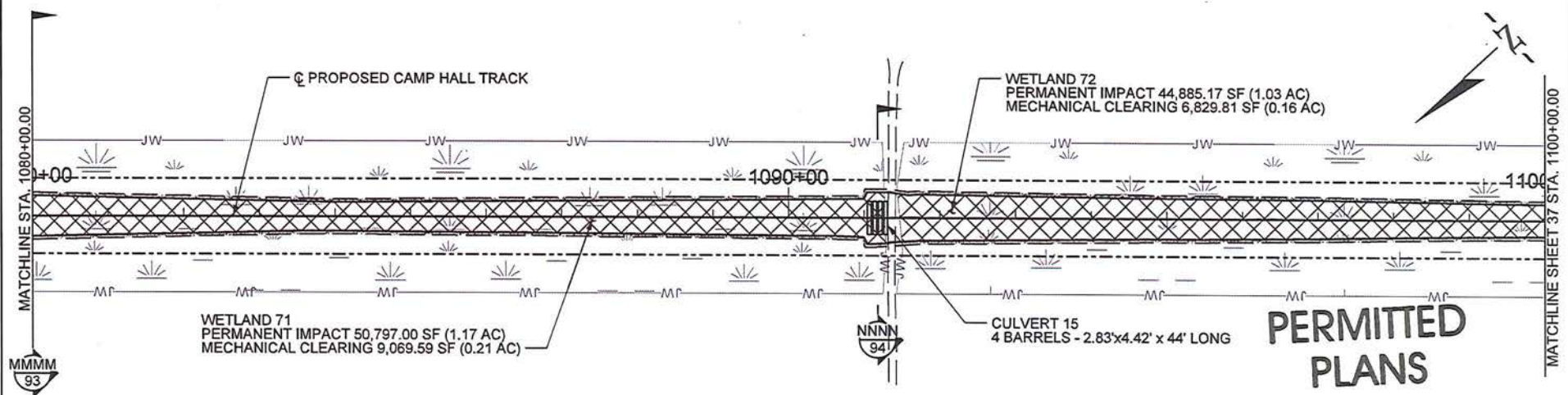
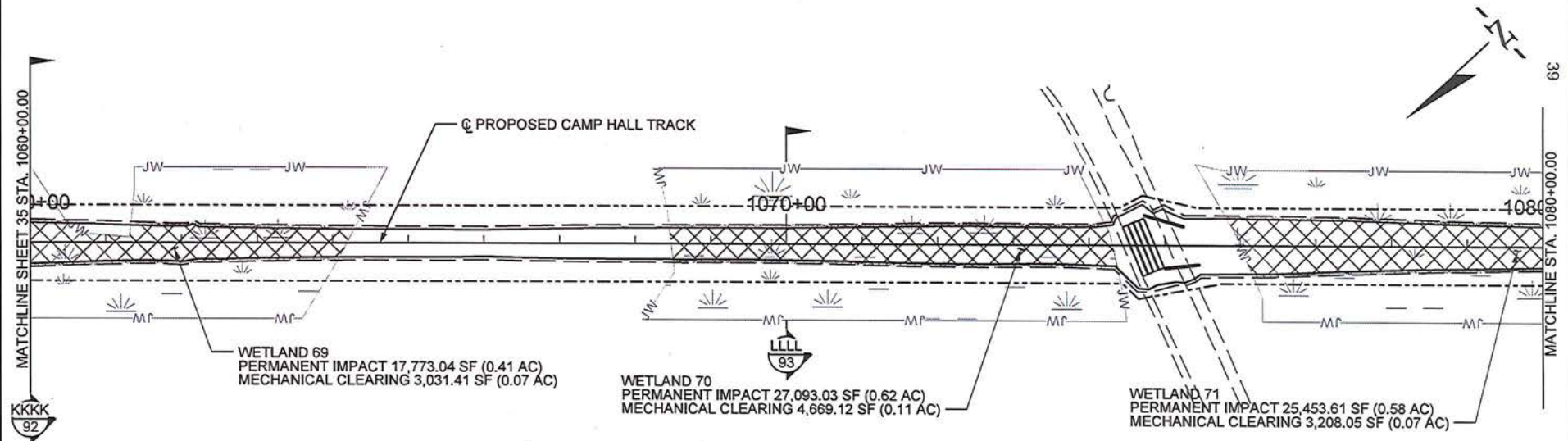
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APPLICANT: PALMETTO RAILWAYS

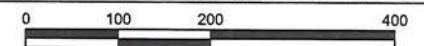


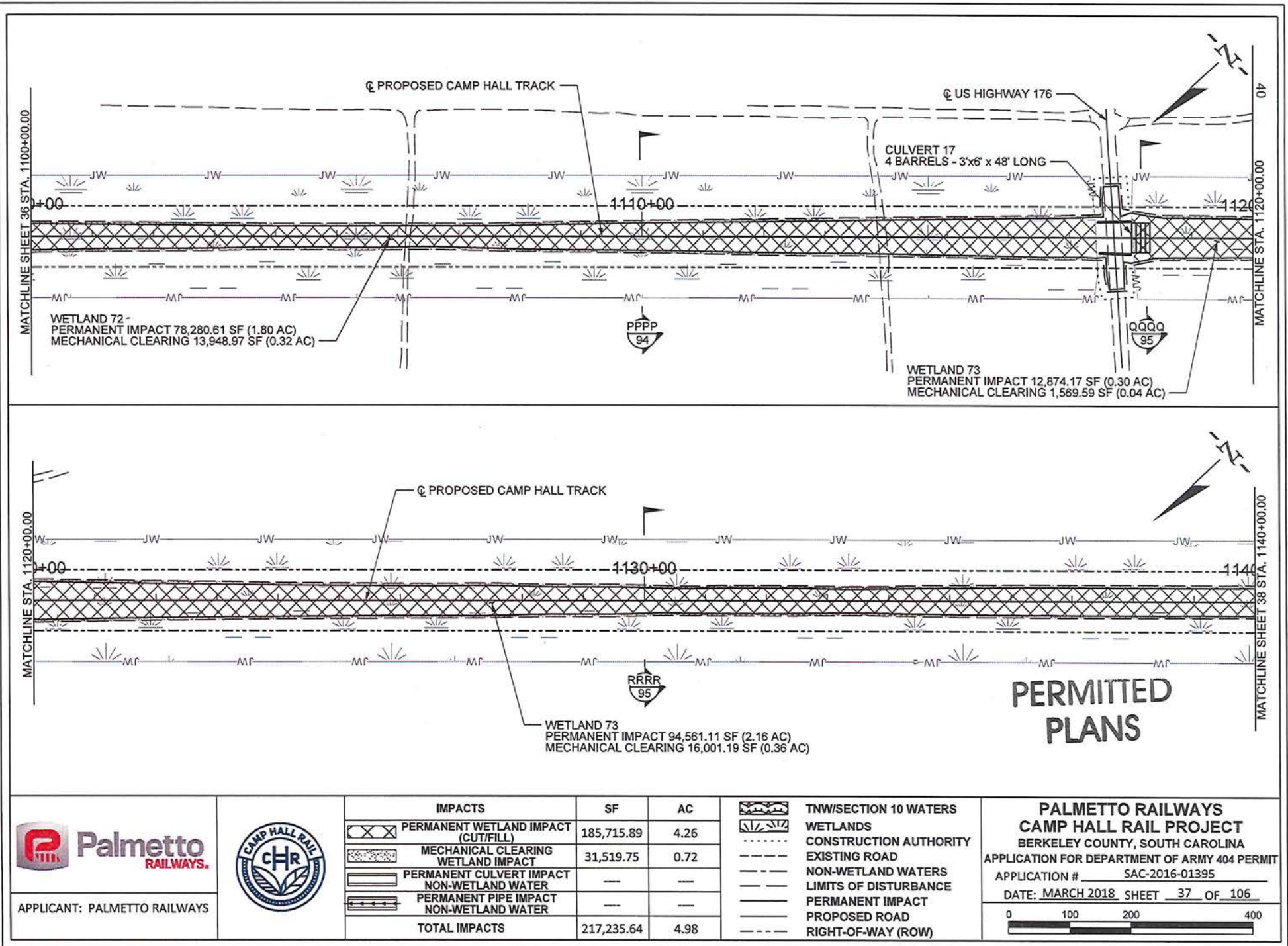
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	166,001.85	3.81
MECHANICAL CLEARING WETLAND IMPACT	26,807.98	0.62
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	192,809.83	4.43

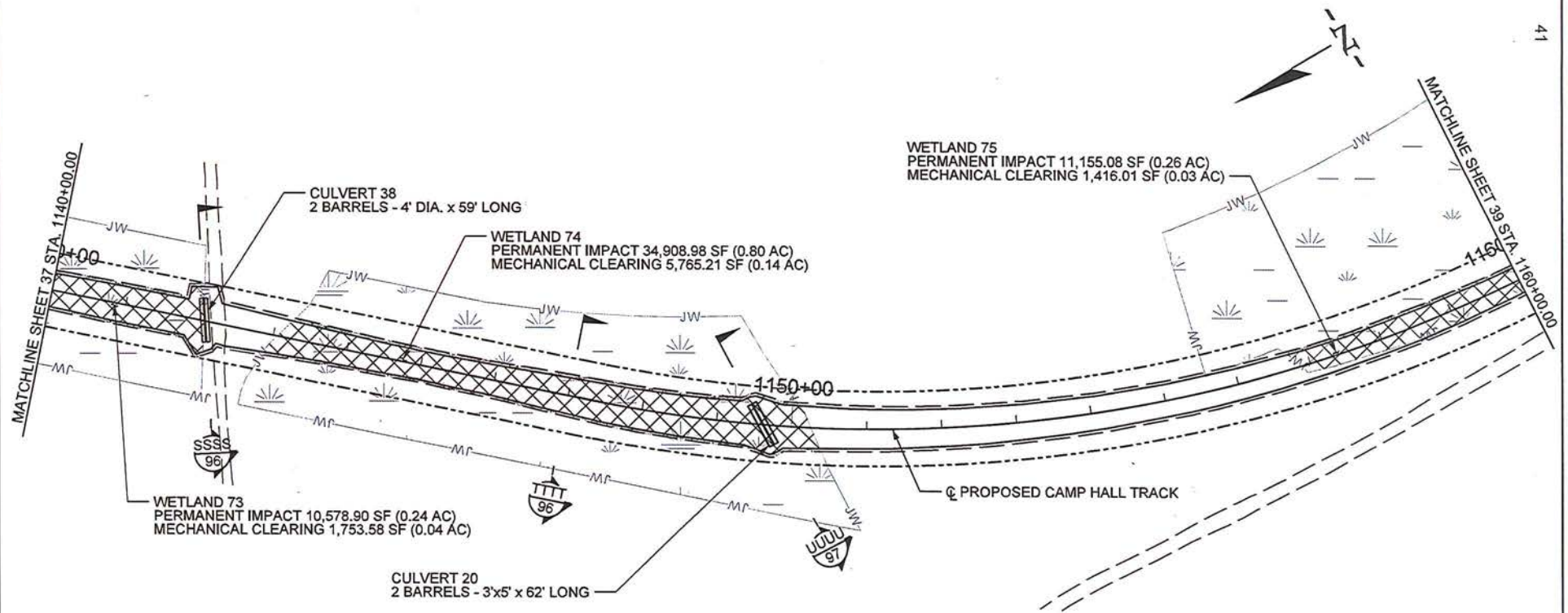
	TNW/SECTION 10 WATERS
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APPLICANT: PALMETTO RAILWAYS

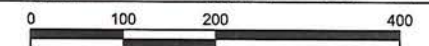


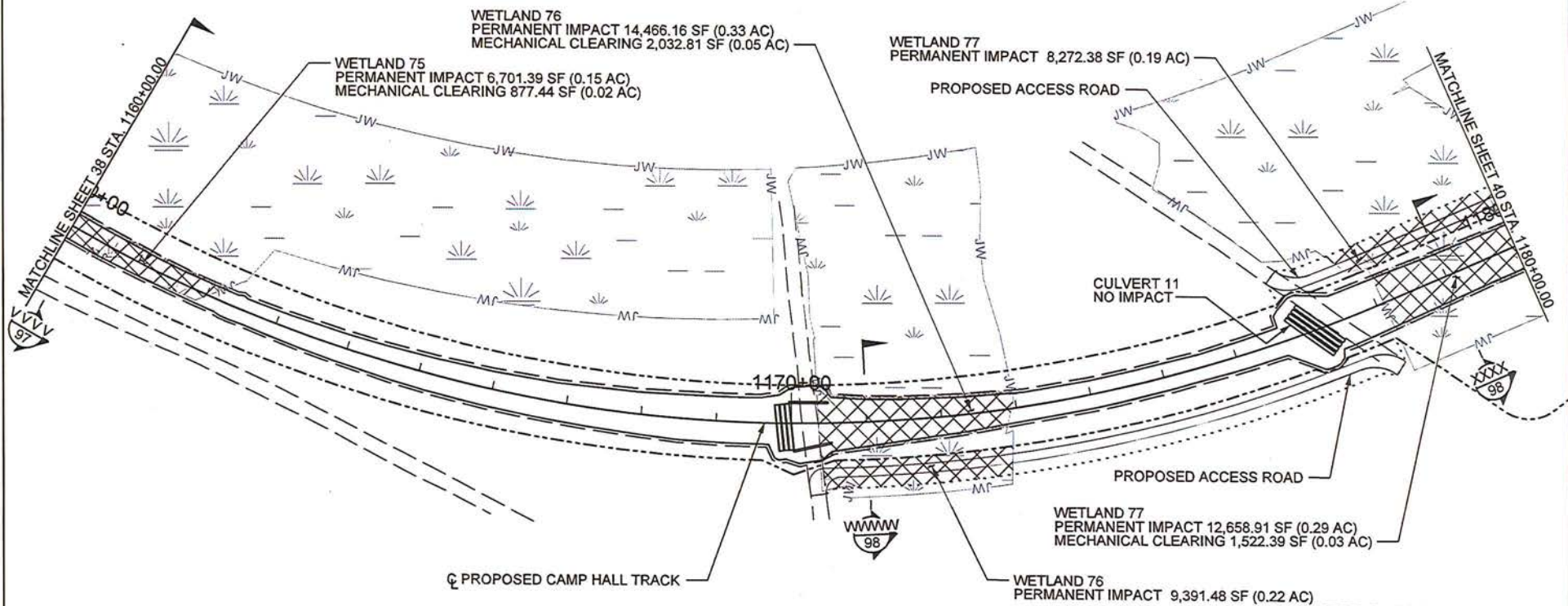
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	56,642.96	1.30
MECHANICAL CLEARING WETLAND IMPACT	8,934.80	0.21
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	65,577.76	1.51

	TNW/SECTION 10 WATERS
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PALMETTO RAILWAYS
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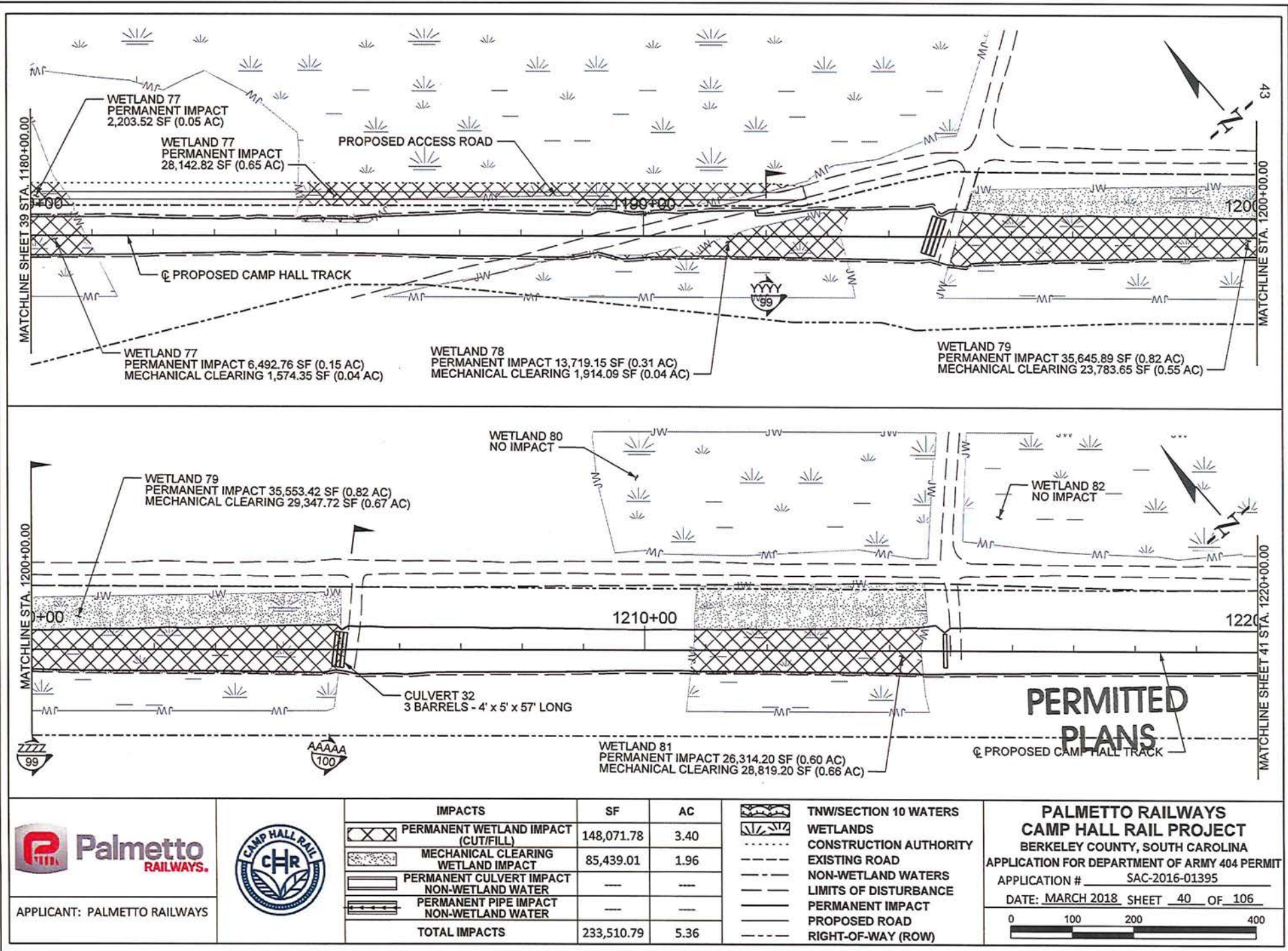


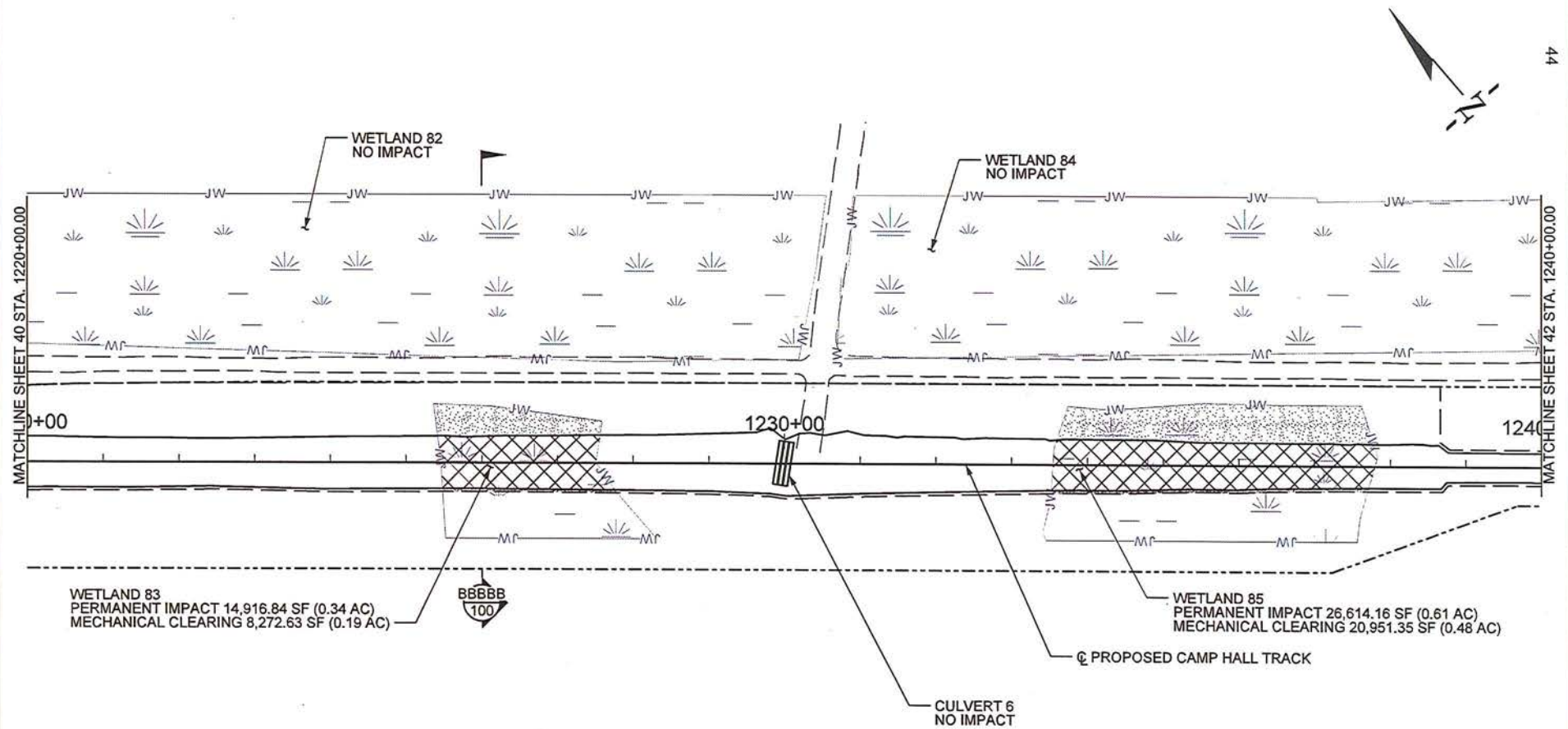
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	51,490.32	1.18
MECHANICAL CLEARING WETLAND IMPACT	4,432.64	0.10
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	55,922.96	1.28

	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
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	NON-WETLAND WATERS
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT
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APPLICANT: PALMETTO RAILWAYS

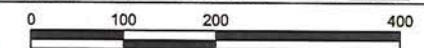


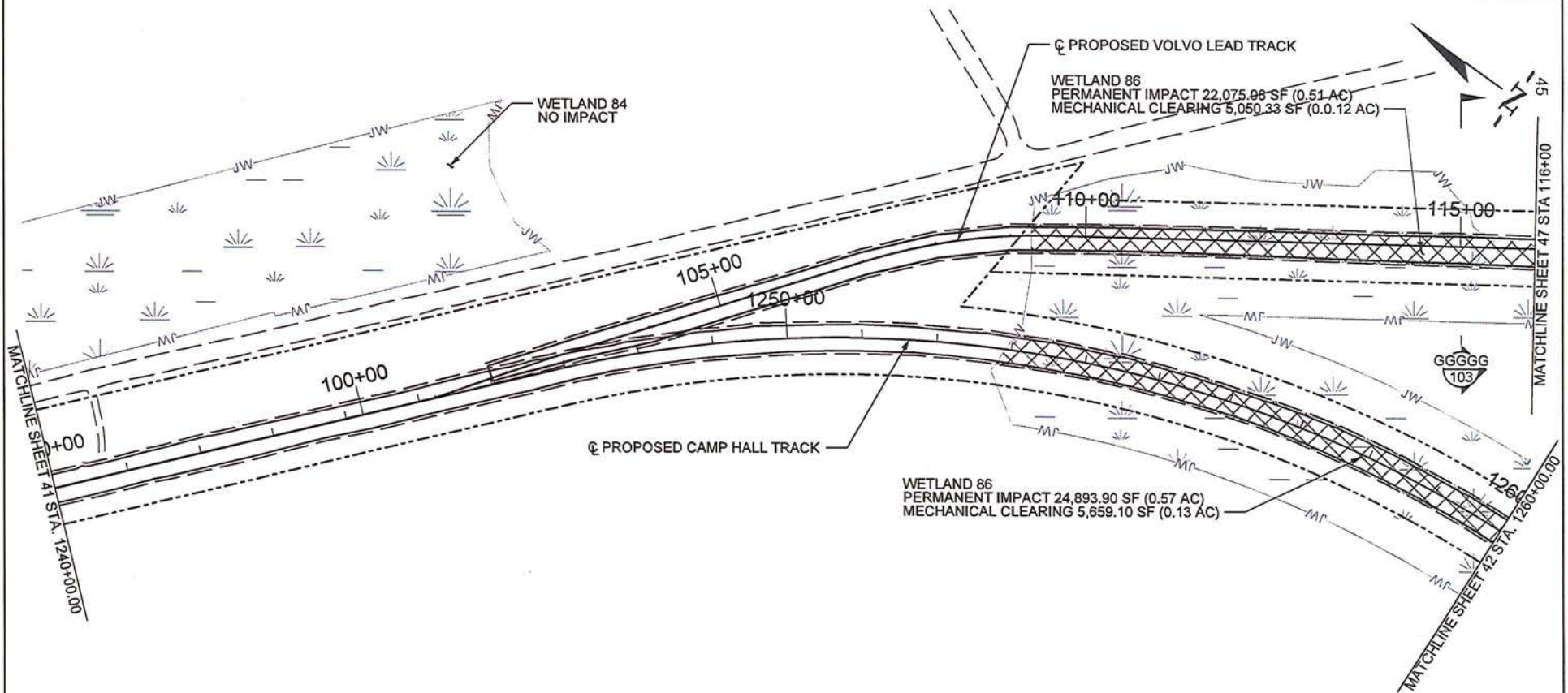
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	41,531.00	0.95
MECHANICAL CLEARING WETLAND IMPACT	29,223.98	0.67
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	79,754.98	1.62

	TNW/SECTION 10 WATERS
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**PALMETTO RAILWAYS
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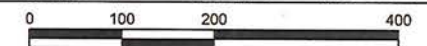


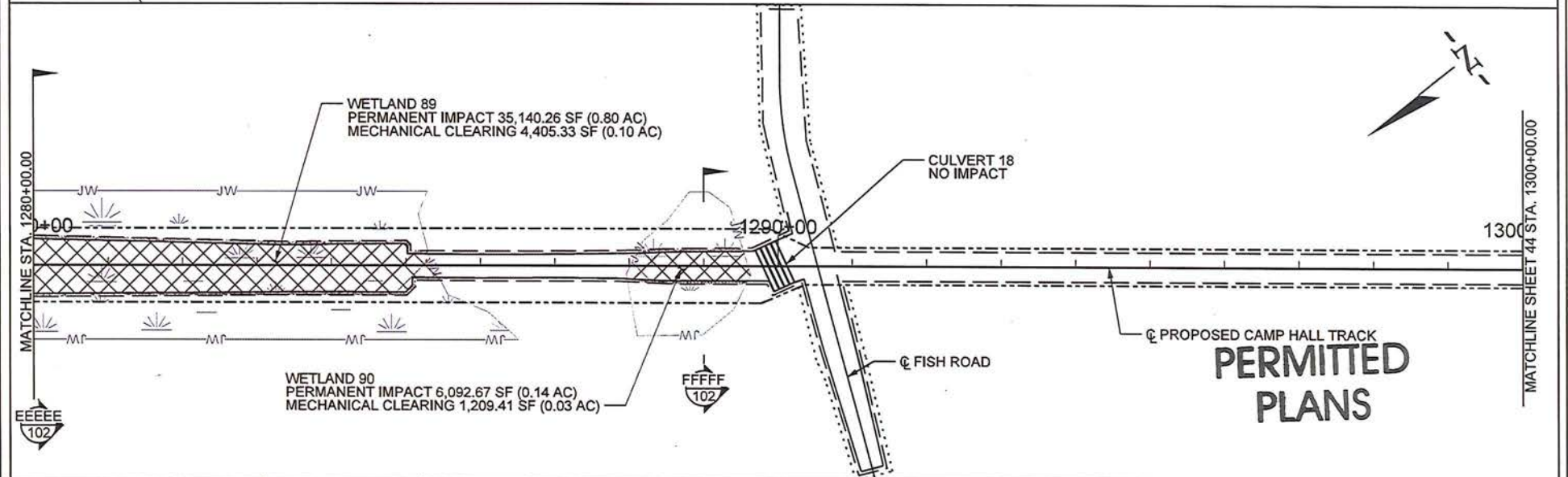
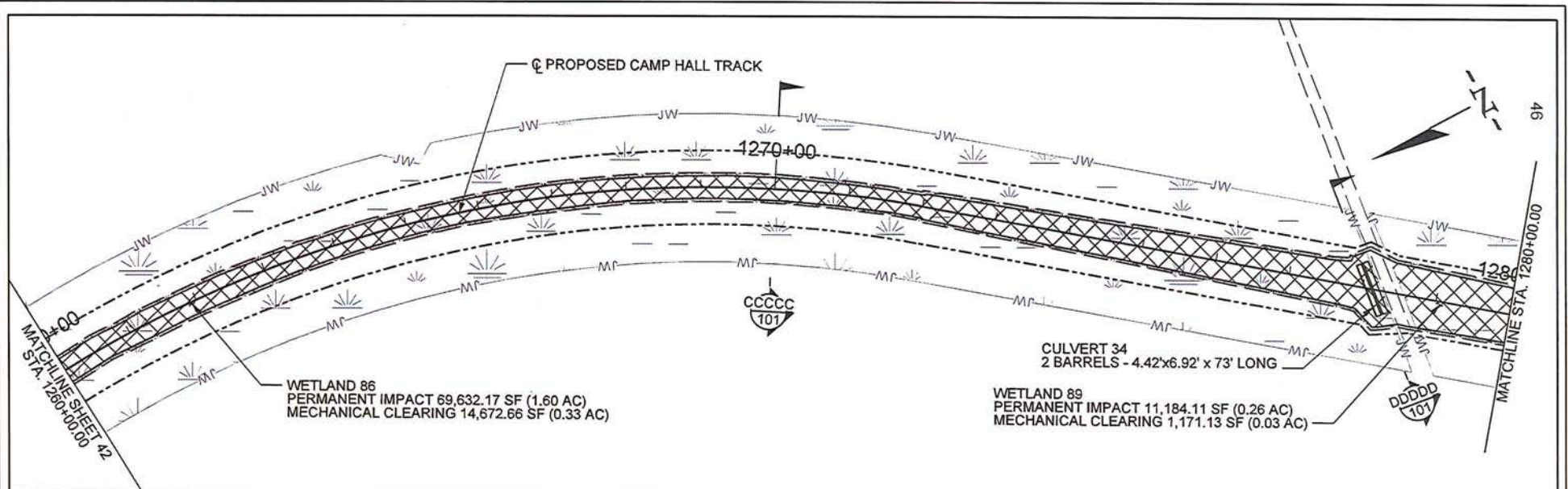
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	46,968.98	1.08
MECHANICAL CLEARING WETLAND IMPACT	10,709.73	0.25
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	57,678.71	1.33

	TNW/SECTION 10 WATERS
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**PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT**
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APPLICANT: PALMETTO RAILWAYS

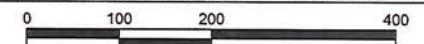


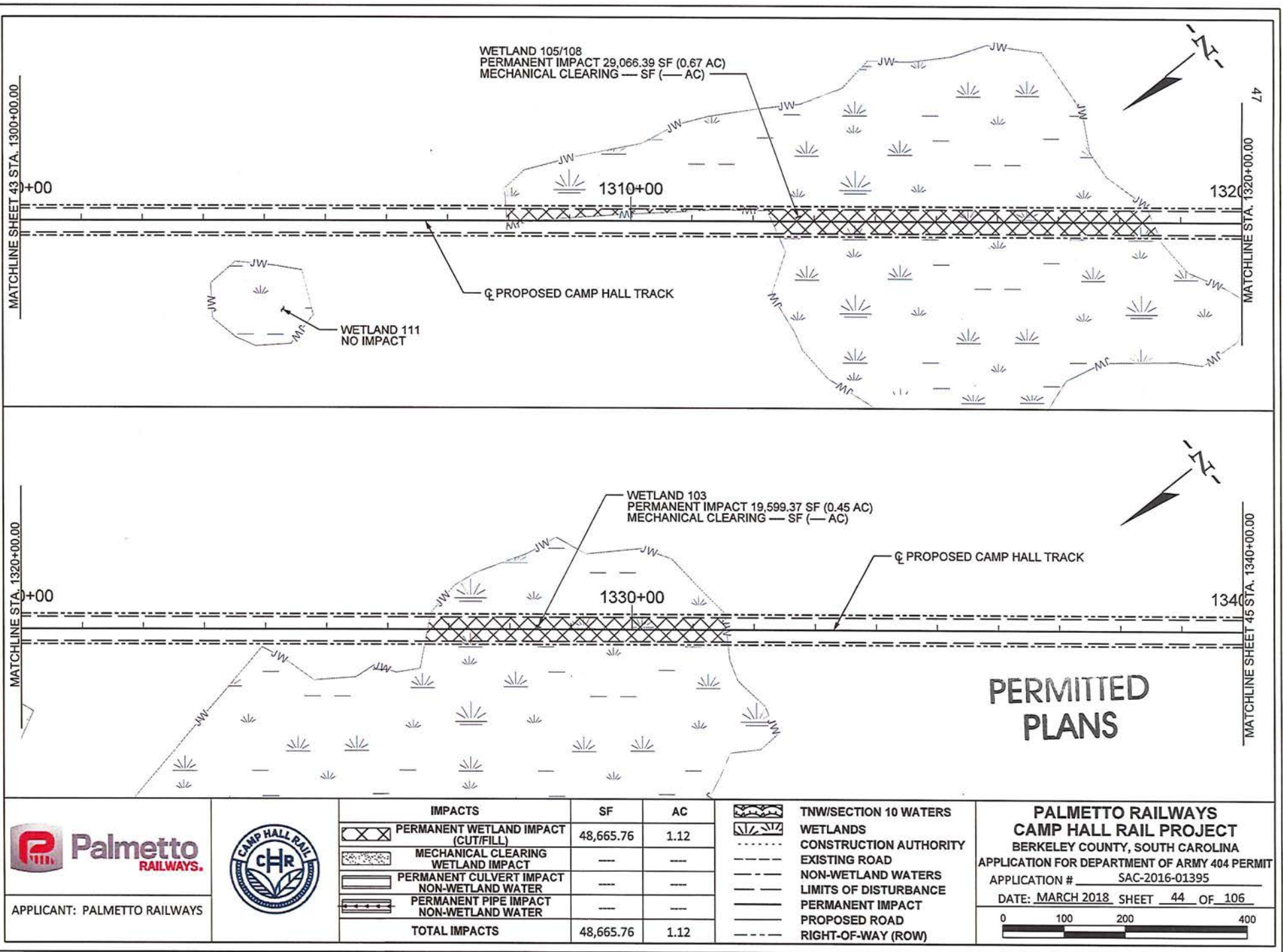
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	122,049.21	2.81
MECHANICAL CLEARING WETLAND IMPACT	21,458.53	0.49
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	143,507.74	3.30

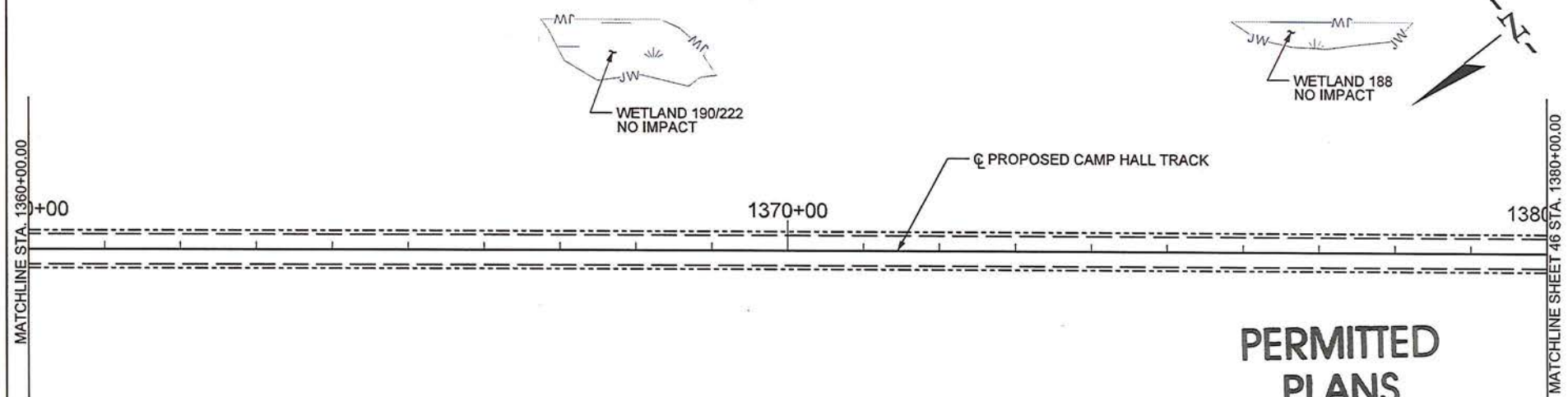
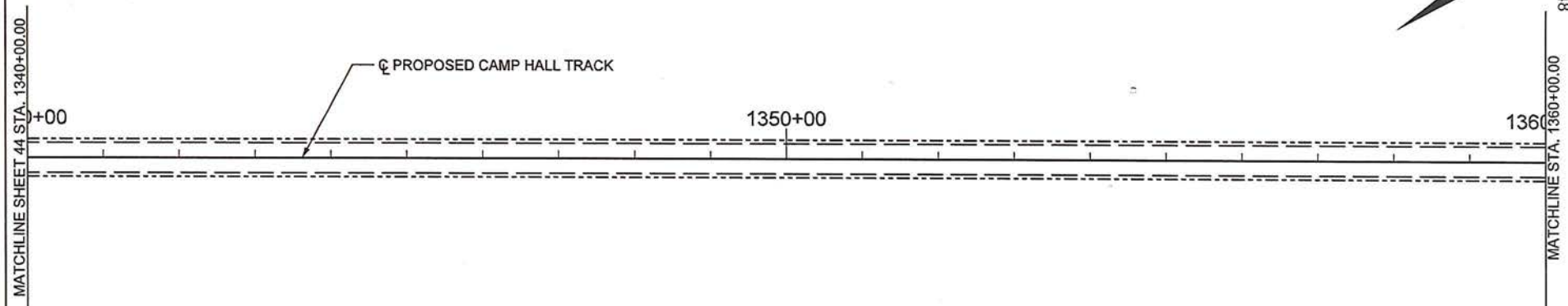
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PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
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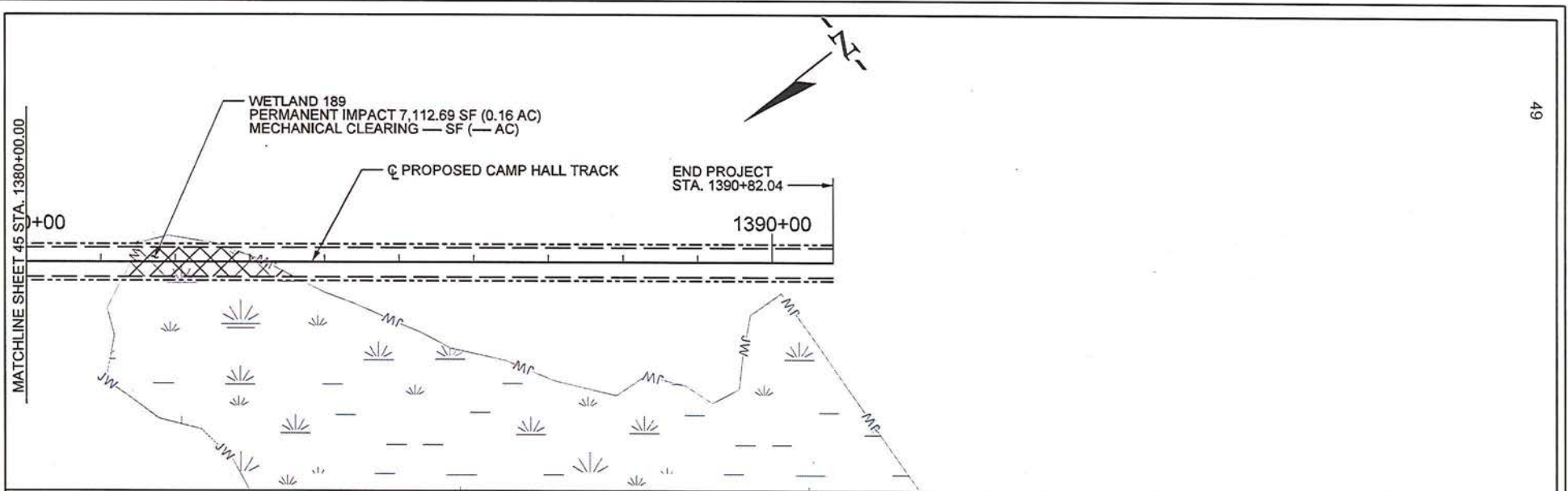
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 Palmetto RAILWAYS.	 CAMP HALL RAIL AUTHORITY	IMPACTS	SF	AC	 TNW/SECTION 10 WATERS	PALMETTO RAILWAYS CAMP HALL RAIL PROJECT BERKELEY COUNTY, SOUTH CAROLINA APPLICATION FOR DEPARTMENT OF ARMY 404 PERMIT APPLICATION # _____ SAC-2016-01395 DATE: <u>MARCH 2018</u> SHEET <u>45</u> OF <u>106</u> 
		 PERMANENT WETLAND IMPACT (CUT/FILL)	----	----	 WETLANDS	
		 MECHANICAL CLEARING WETLAND IMPACT	----	----	 CONSTRUCTION AUTHORITY	
		 PERMANENT CULVERT IMPACT NON-WETLAND WATER	----	----	 EXISTING ROAD	
		 PERMANENT PIPE IMPACT NON-WETLAND WATER	----	----	 NON-WETLAND WATERS	
		 TOTAL IMPACTS	----	----	 LIMITS OF DISTURBANCE	
APPLICANT: PALMETTO RAILWAYS					 PERMANENT IMPACT	
					 PROPOSED ROAD	
					 RIGHT-OF-WAY (ROW)	



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APPLICANT: PALMETTO RAILWAYS

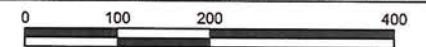


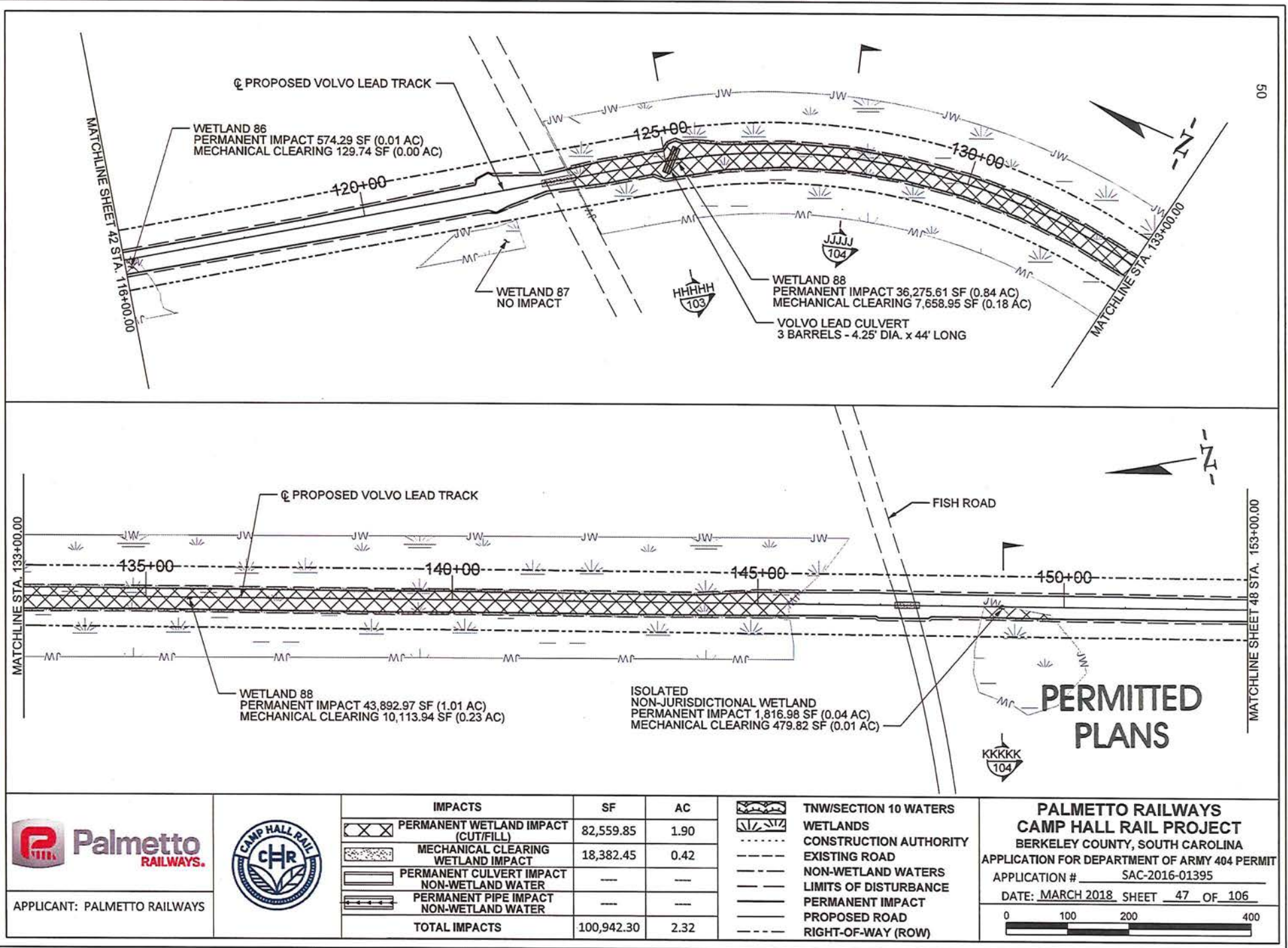
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	7,112.69	0.16
MECHANICAL CLEARING WETLAND IMPACT	—	—
PERMANENT CULVERT IMPACT NON-WETLAND WATER	—	—
PERMANENT PIPE IMPACT NON-WETLAND WATER	—	—
TOTAL IMPACTS	7,112.69	0.16

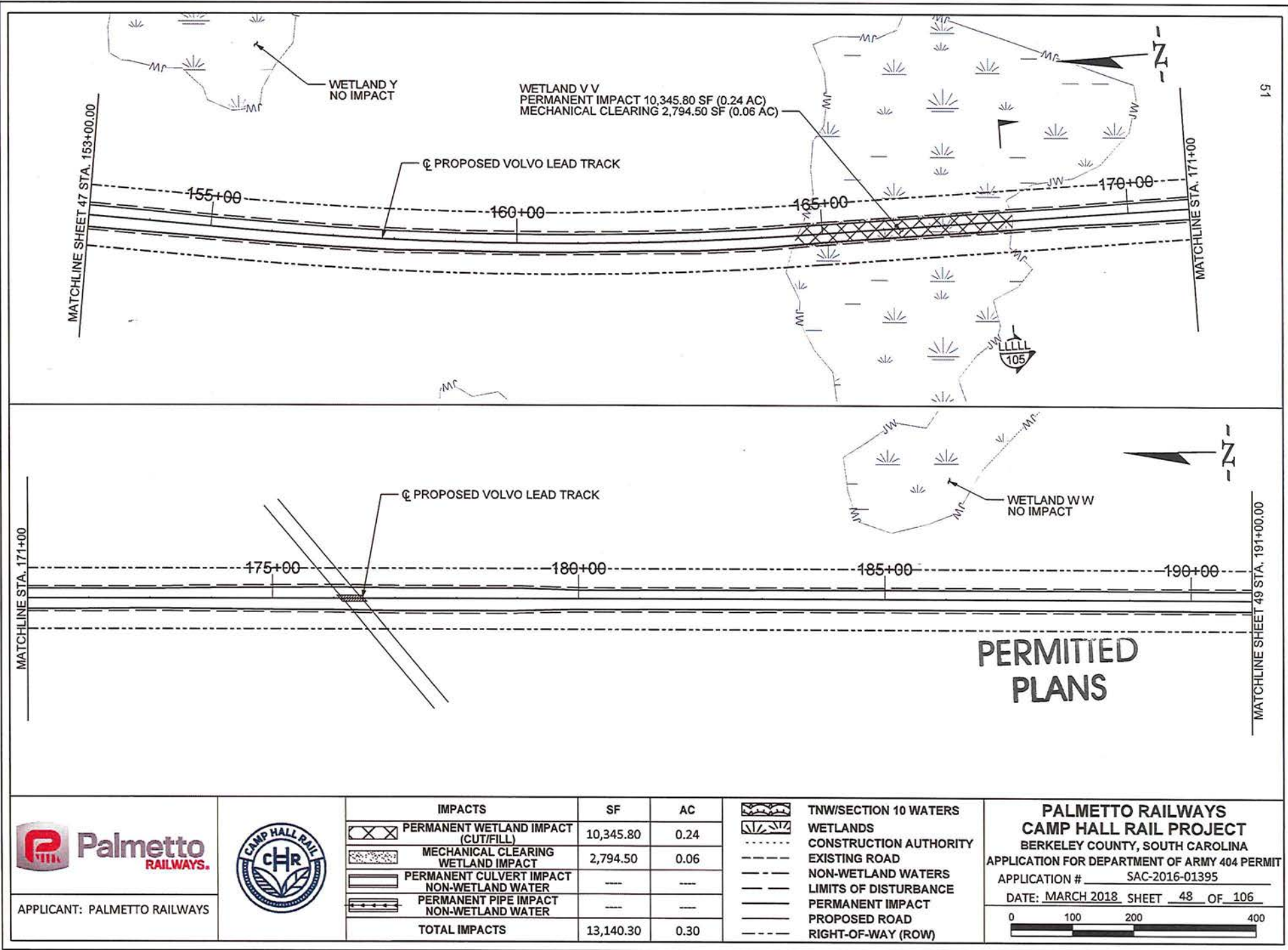


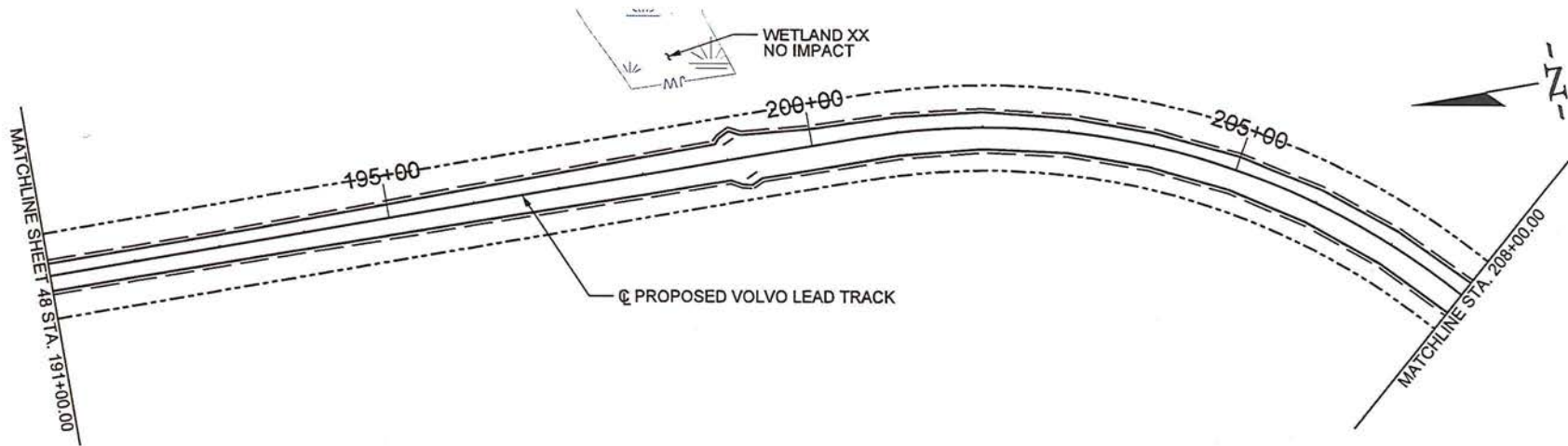
TNW/SECTION 10 WATERS
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**PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT**
BERKELEY COUNTY, SOUTH CAROLINA
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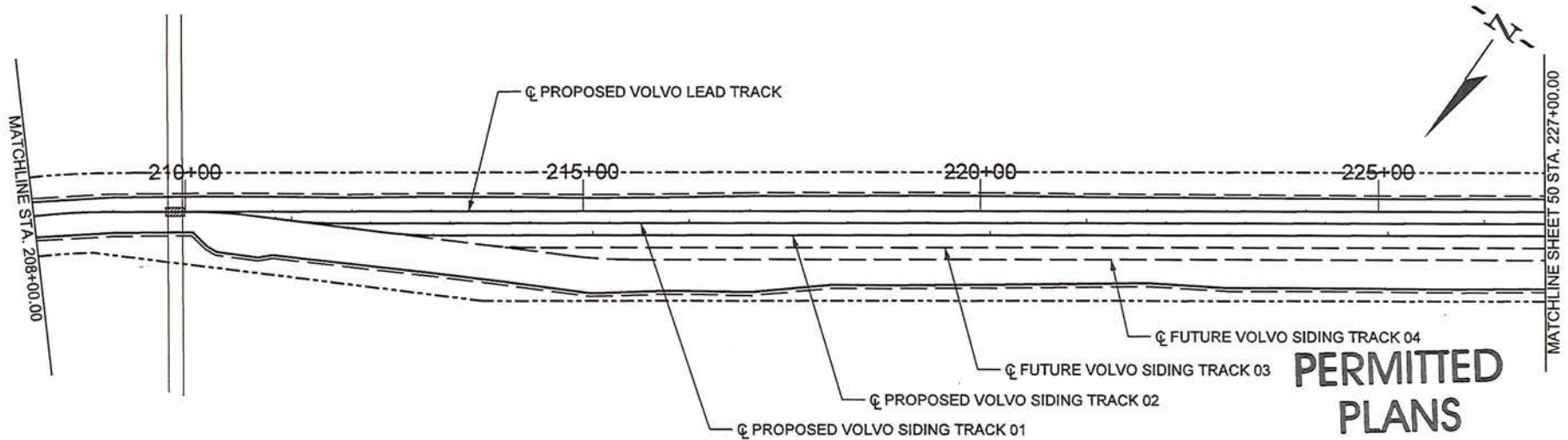
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APPLICANT: PALMETTO RAILWAYS



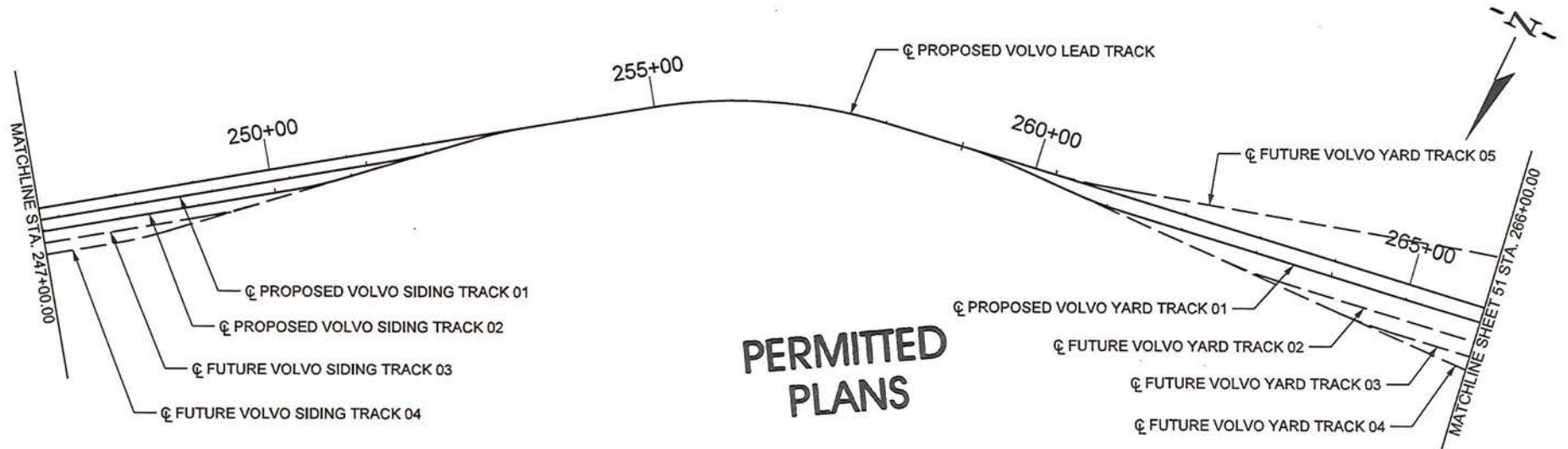
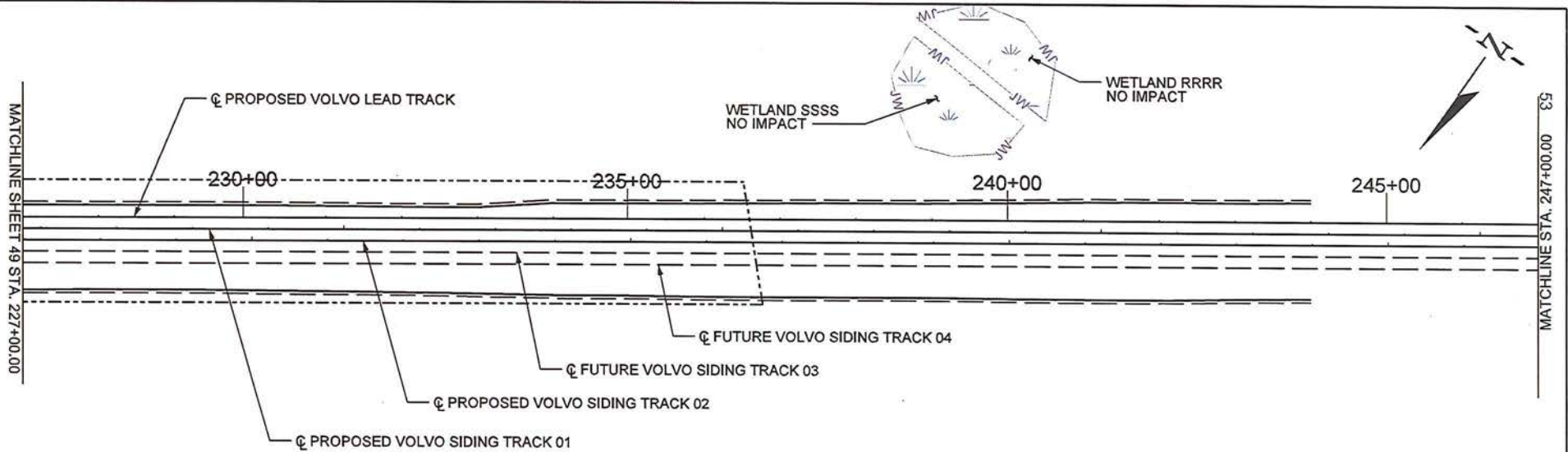
IMPACTS	SF	AC		
PERMANENT WETLAND IMPACT (CUT/FILL)	---	---	TNW/SECTION 10 WATERS	
MECHANICAL CLEARING WETLAND IMPACT	---	---	WETLANDS	
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---	CONSTRUCTION AUTHORITY	
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---	EXISTING ROAD	
TOTAL IMPACTS	---	---	NON-WETLAND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

**PALMETTO RAILWAYS
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0 100 200 400



APPLICANT: PALMETTO RAILWAYS



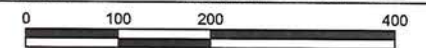
IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	---	---
MECHANICAL CLEARING WETLAND IMPACT	---	---
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	---	---

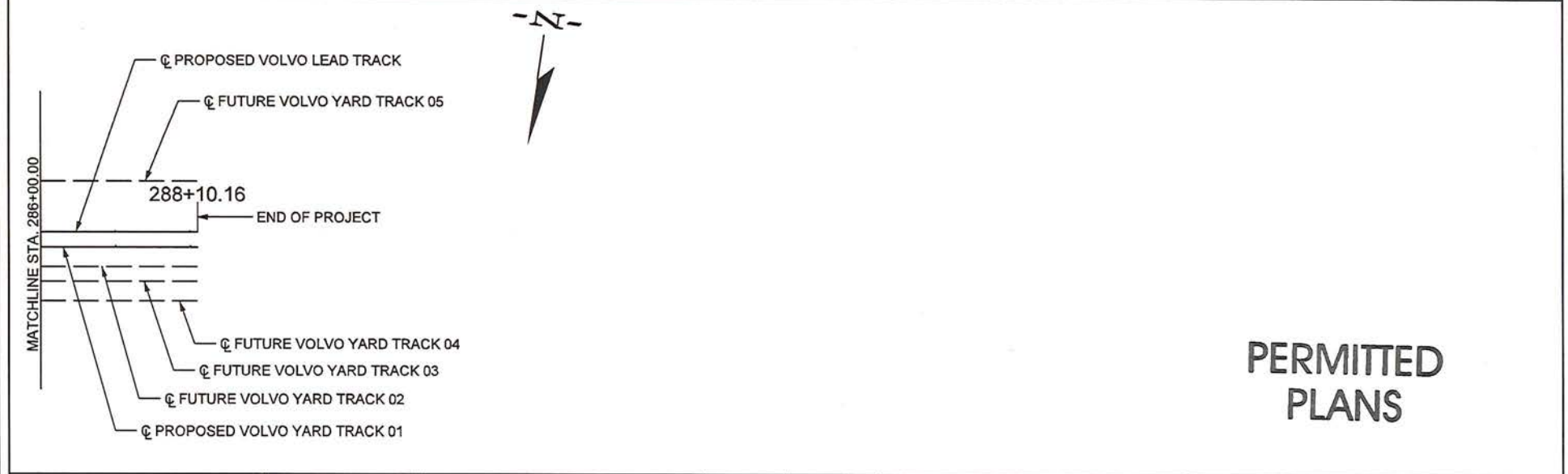
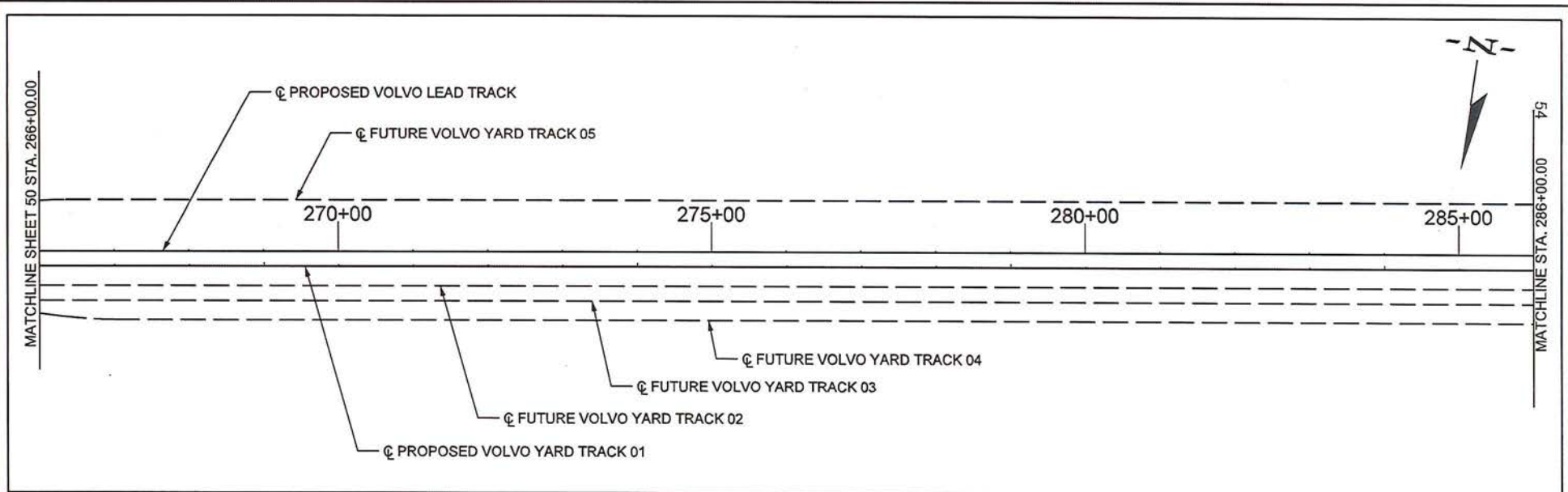
	TNW/SECTION 10 WATERS
	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

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

APPLICATION # SAC-2016-01395

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PERMITTED PLANS



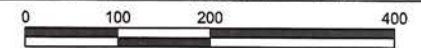
APPLICANT: PALMETTO RAILWAYS

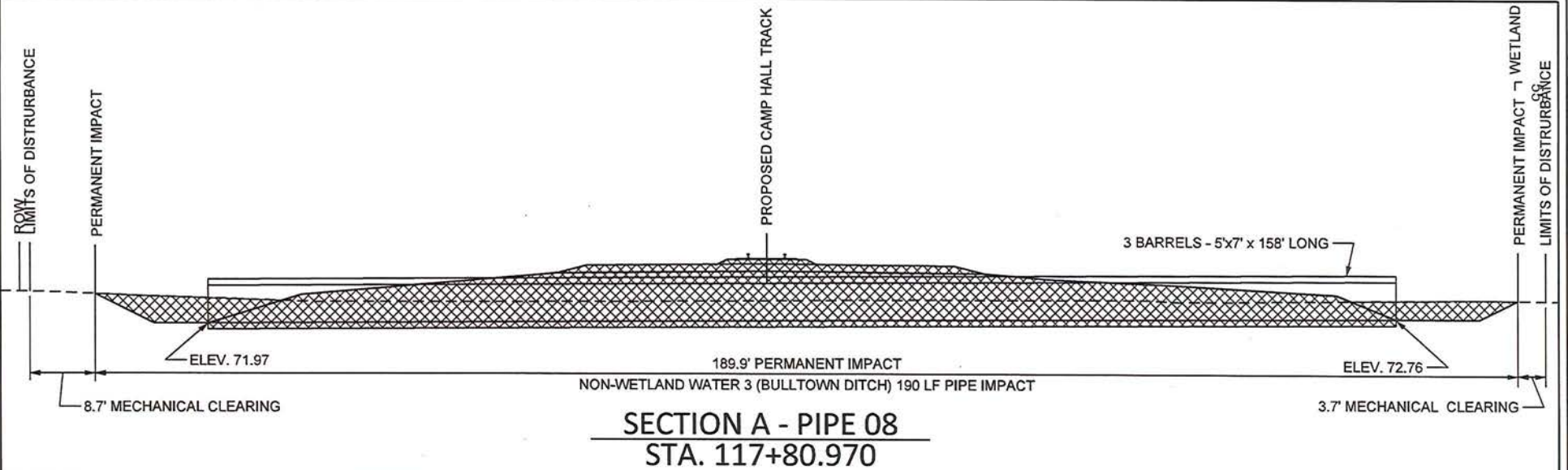


IMPACTS	SF	AC
PERMANENT WETLAND IMPACT (CUT/FILL)	---	---
MECHANICAL CLEARING WETLAND IMPACT	---	---
PERMANENT CULVERT IMPACT NON-WETLAND WATER	---	---
PERMANENT PIPE IMPACT NON-WETLAND WATER	---	---
TOTAL IMPACTS	---	---

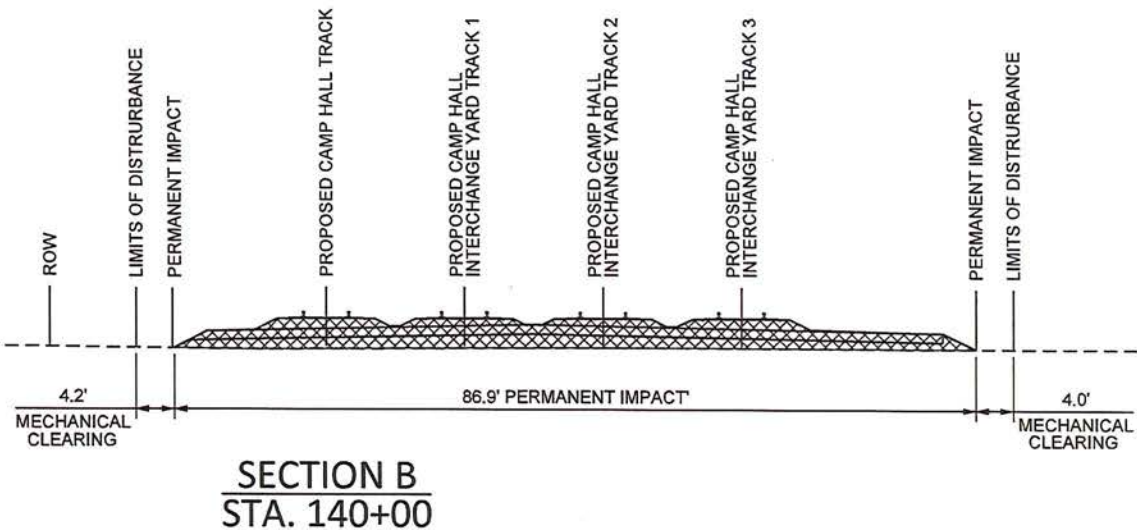
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	WETLANDS
	CONSTRUCTION AUTHORITY
	EXISTING ROAD
	NON-WETLAND WATERS
	LIMITS OF DISTURBANCE
	PERMANENT IMPACT
	PROPOSED ROAD
	RIGHT-OF-WAY (ROW)

**PALMETTO RAILWAYS
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BERKELEY COUNTY, SOUTH CAROLINA
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PERMITTED
PLANS



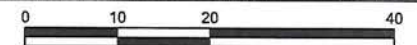
CROSS SECTION SHEET 1 OF 54

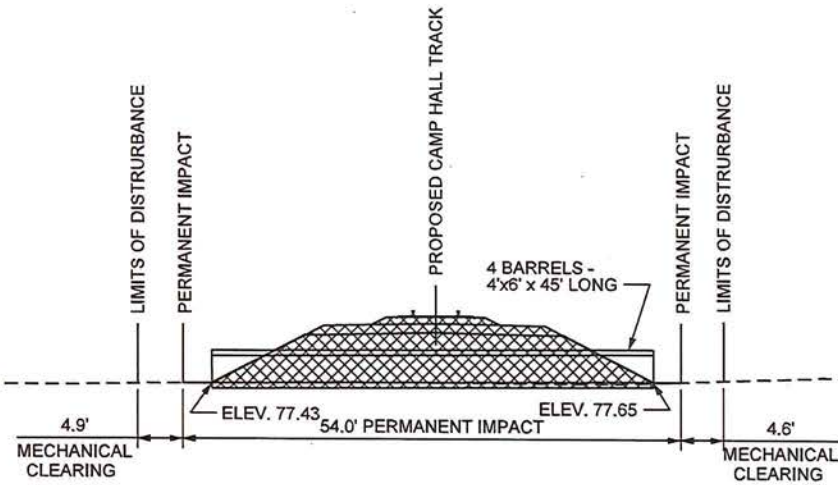


APPLICANT: PALMETTO RAILWAYS

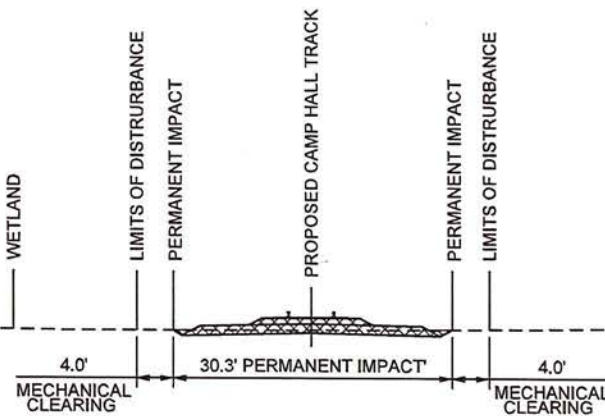


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SECTION C - CULVERT 10
STA. 190+21.27



SECTION D
STA. 197+00

**PERMITTED
 PLANS**

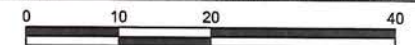


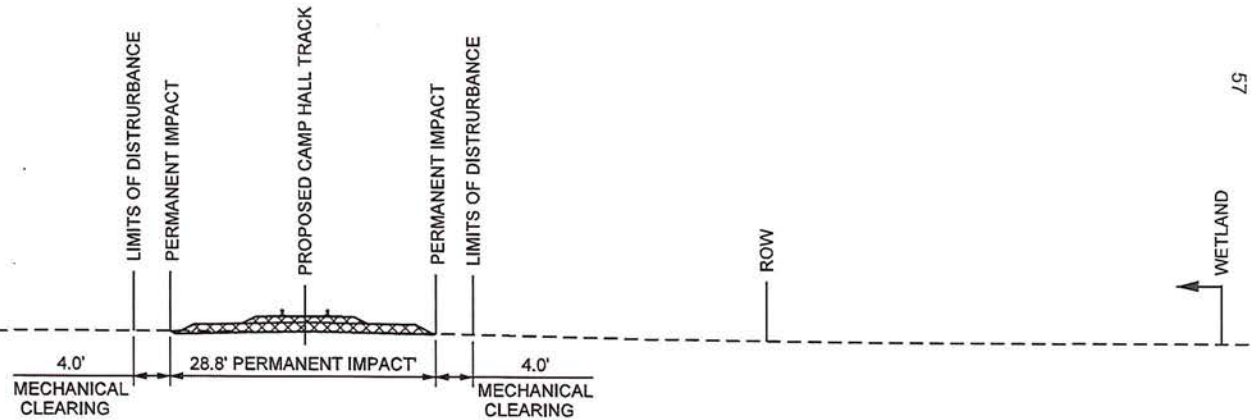
APPLICANT: PALMETTO RAILWAYS



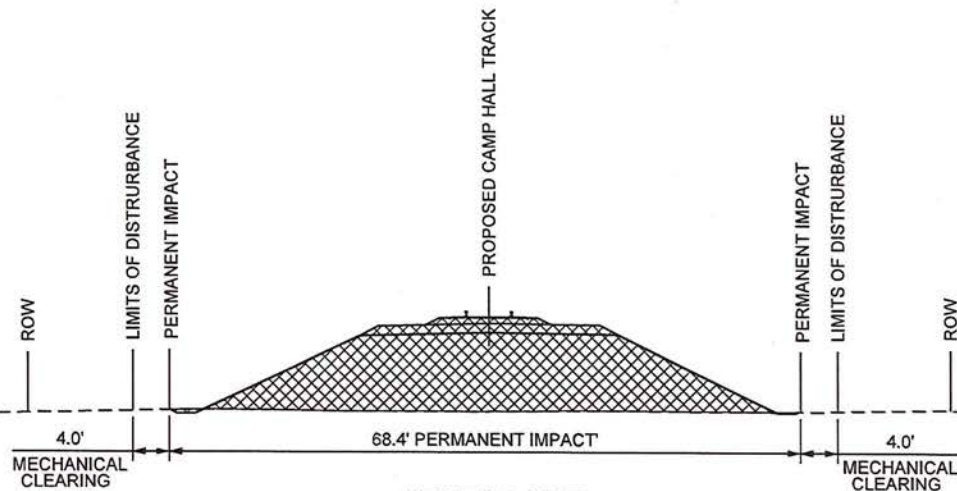
CROSS SECTION SHEET 2 OF 54

PALMETTO RAILWAYS
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SECTION E
STA. 210+00



SECTION F
STA. 232+00

**PERMITTED
PLANS**

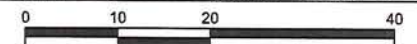


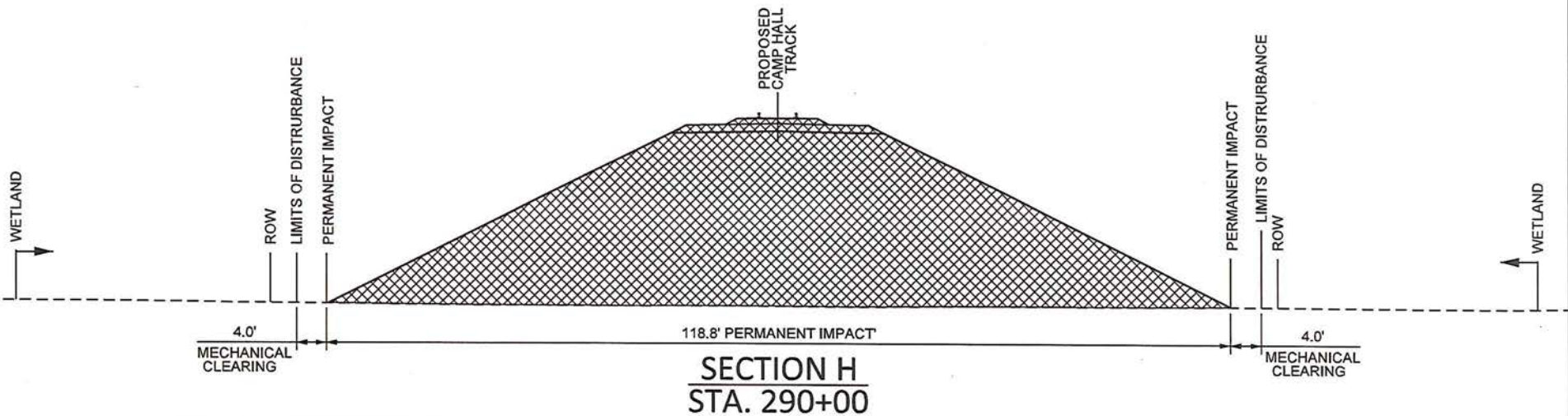
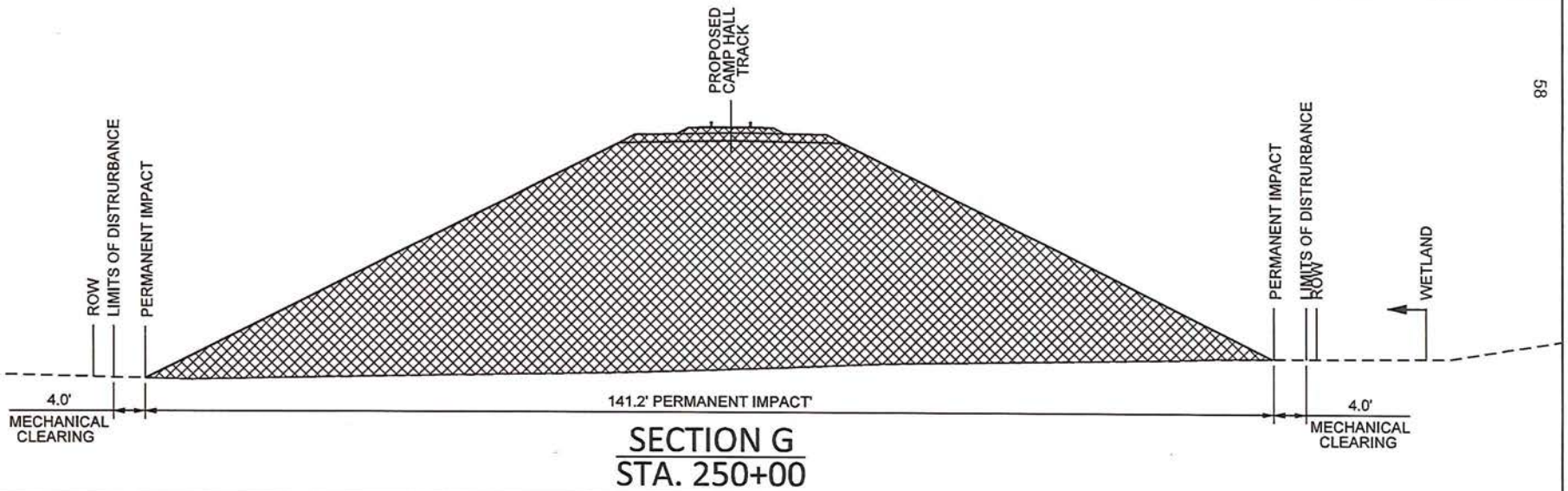
APPLICANT: PALMETTO RAILWAYS



CROSS SECTION SHEET 3 OF 54

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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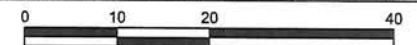


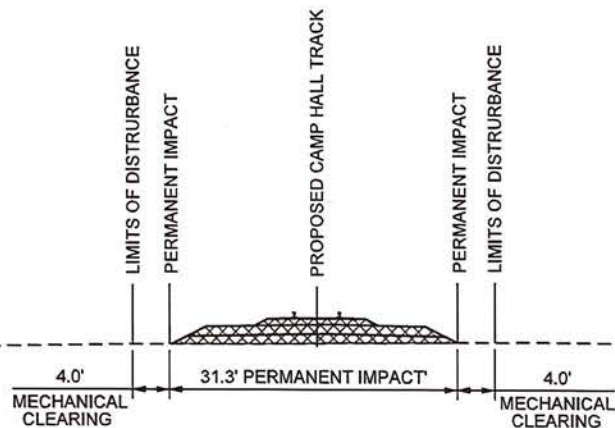
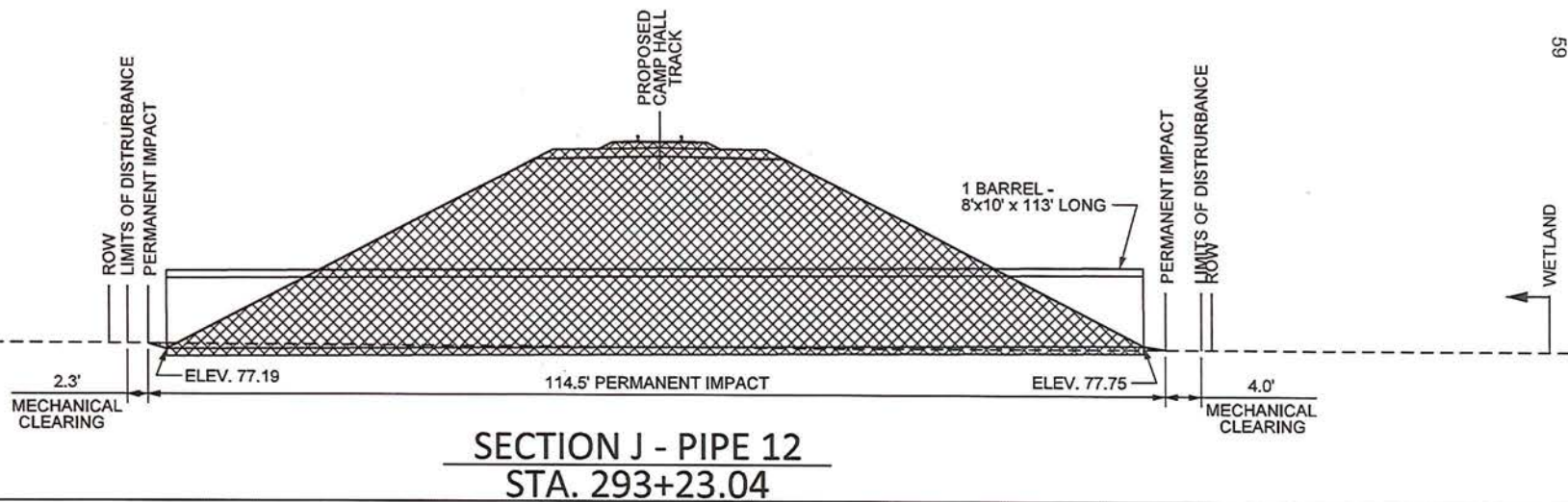
APPLICANT: PALMETTO RAILWAYS



CROSS SECTION SHEET 4 OF 54 PERMITTED PLANS

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
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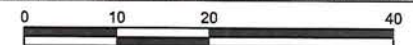


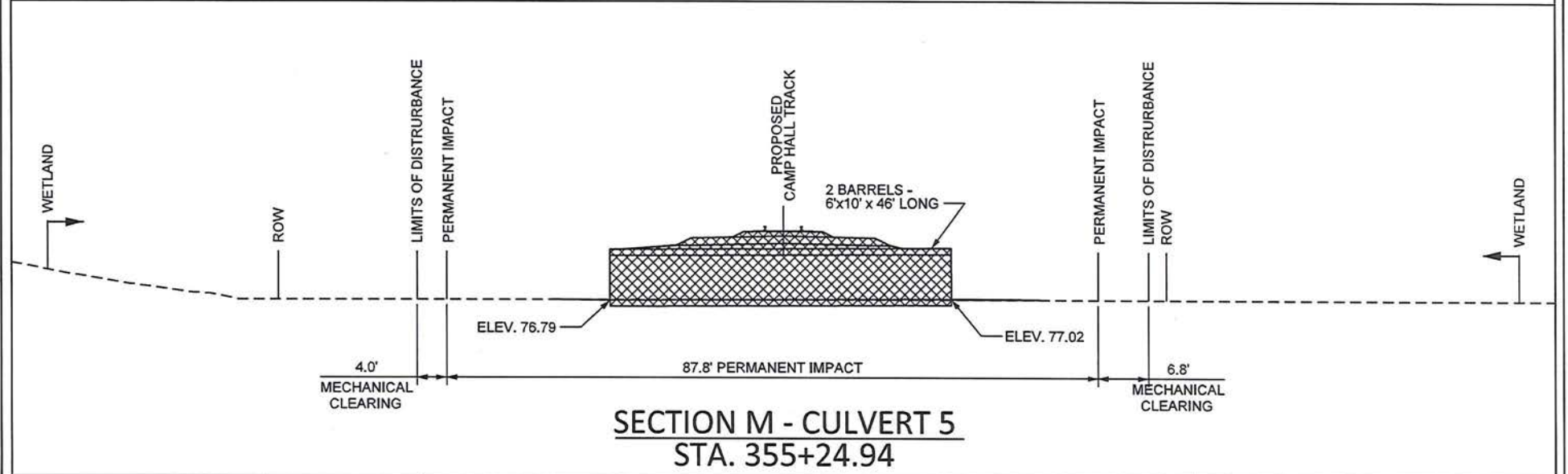
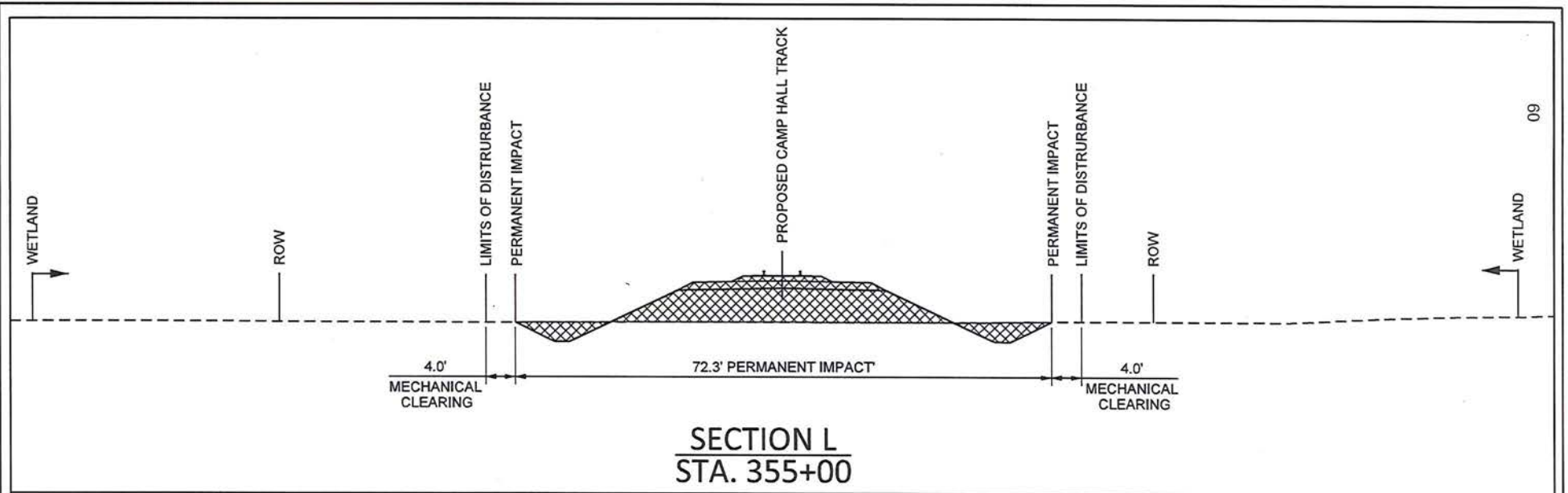
APPLICANT: PALMETTO RAILWAYS



CROSS SECTION SHEET 5 OF 54 PERMITTED PLANS

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
BERKELEY COUNTY, SOUTH CAROLINA
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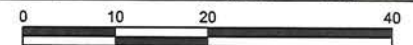
APPLICANT: PALMETTO RAILWAYS



CROSS SECTION SHEET 6 OF 54

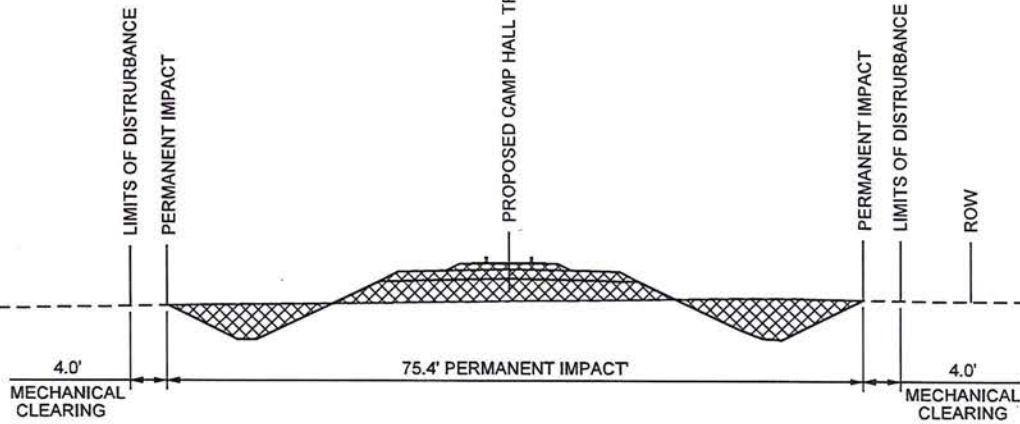
PERMITTED PLANS

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
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 APPLICATION # SAC-2016-01395
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WETLAND

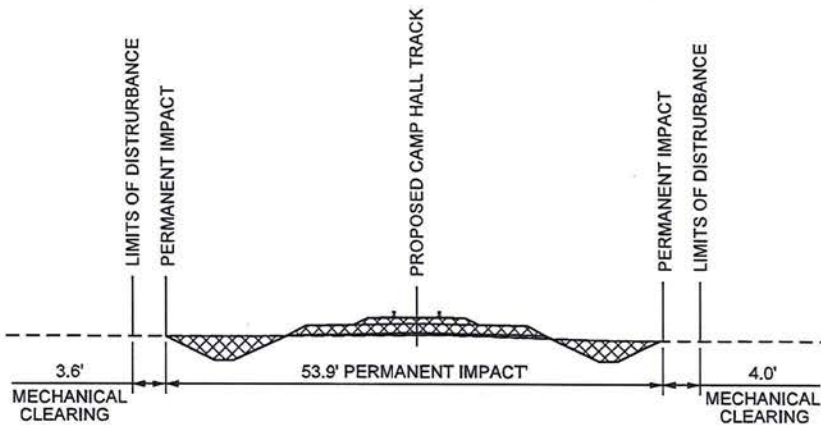
ROW



SECTION N
STA. 358+00

WETLAND

ROW



SECTION P
STA. 370+00

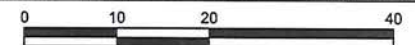


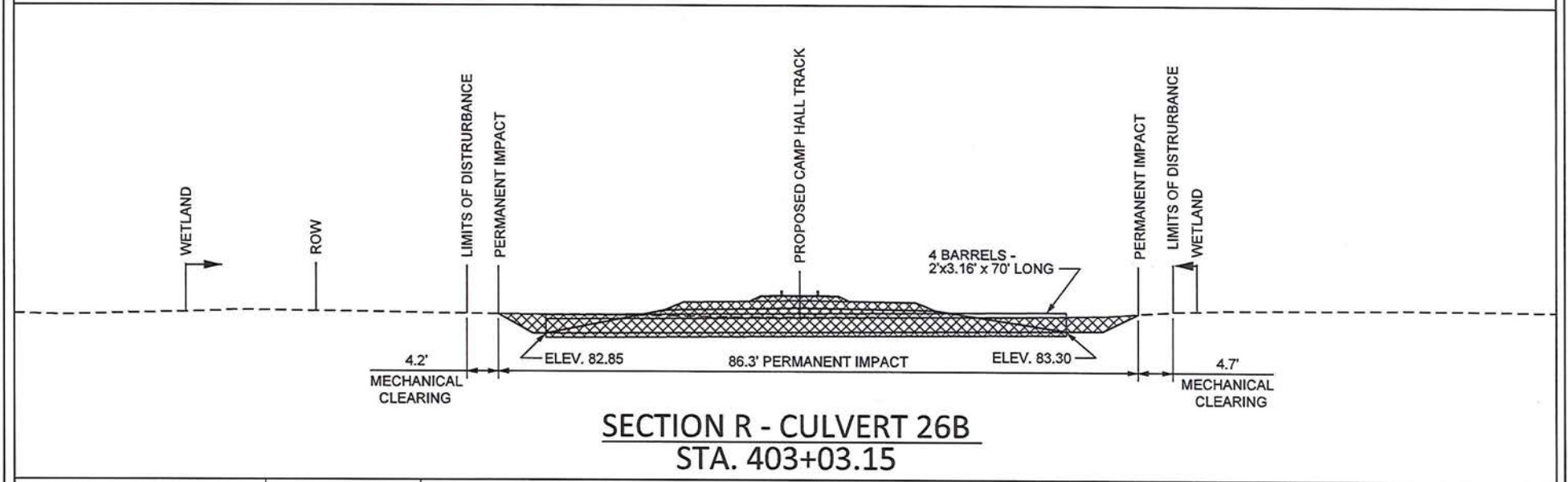
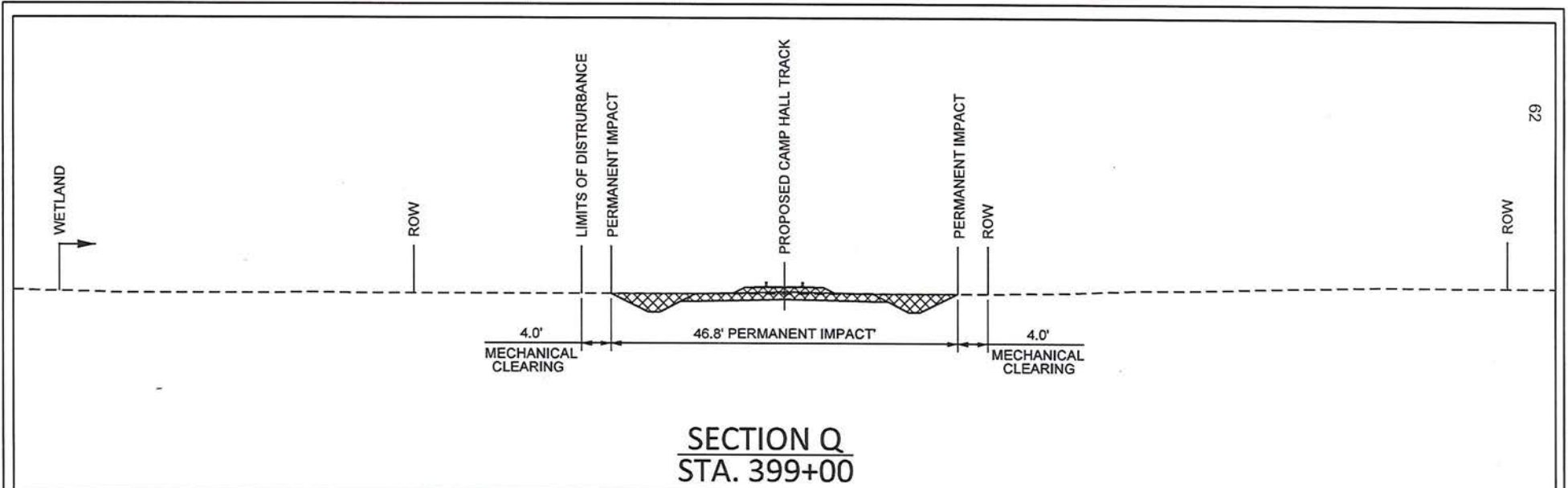
APPLICANT: PALMETTO RAILWAYS



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PALMETTO RAILWAYS
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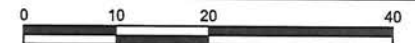


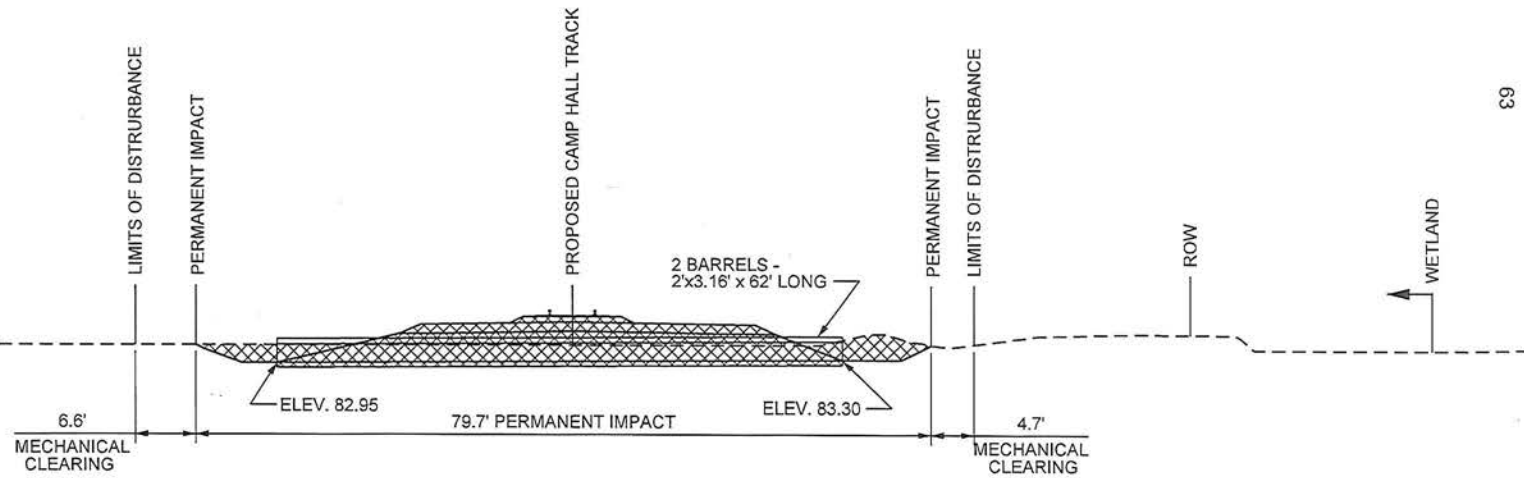
APPLICANT: PALMETTO RAILWAYS



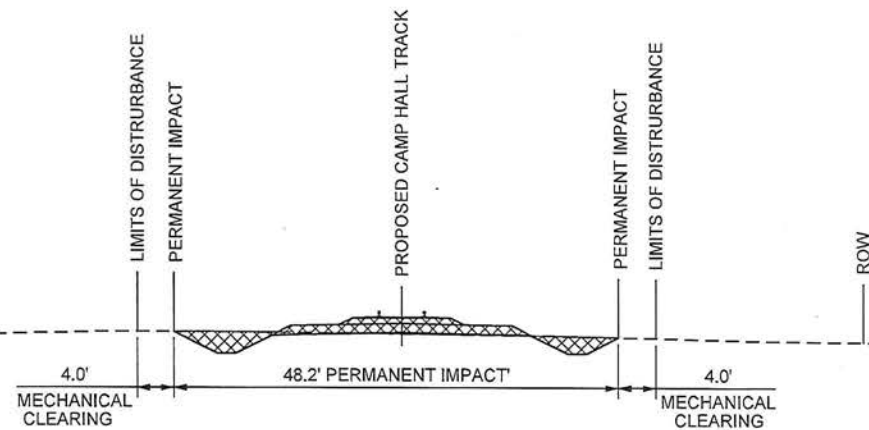
CROSS SECTION SHEET 8 OF 54 PERMITTED PLANS

PALMETTO RAILWAYS
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SECTION S - CULVERT 26A STA. 403+88.31



SECTION T STA. 406+00

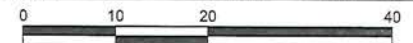


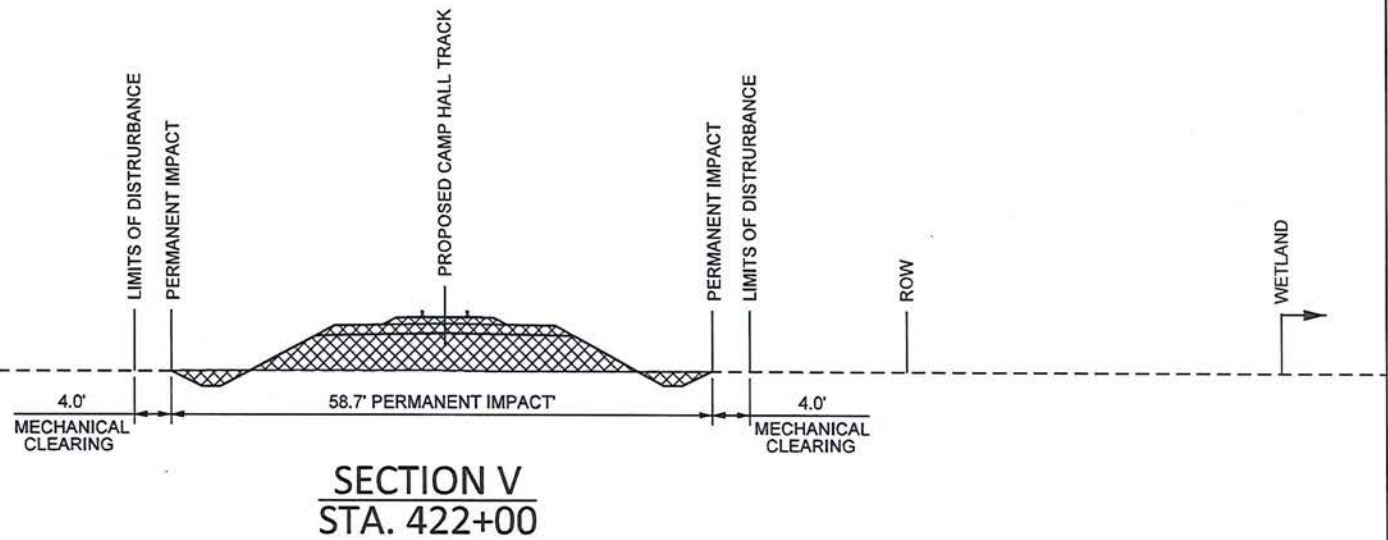
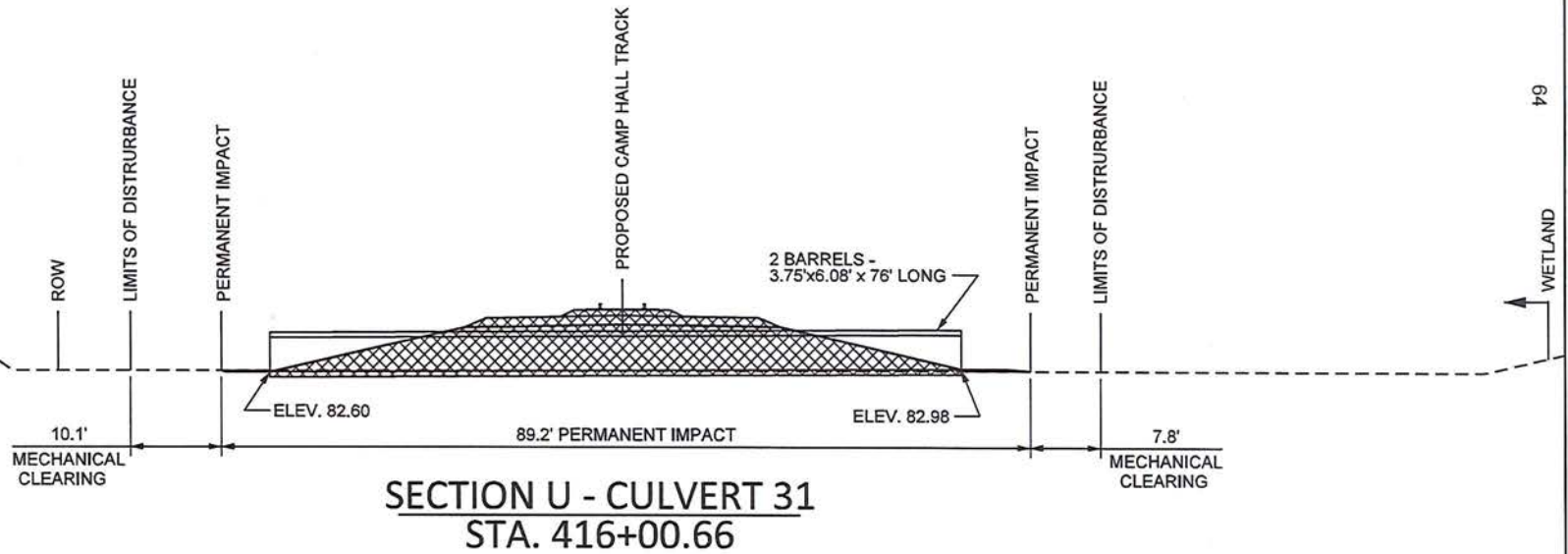
APPLICANT: PALMETTO RAILWAYS



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PALMETTO RAILWAYS
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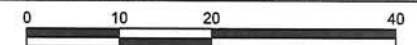


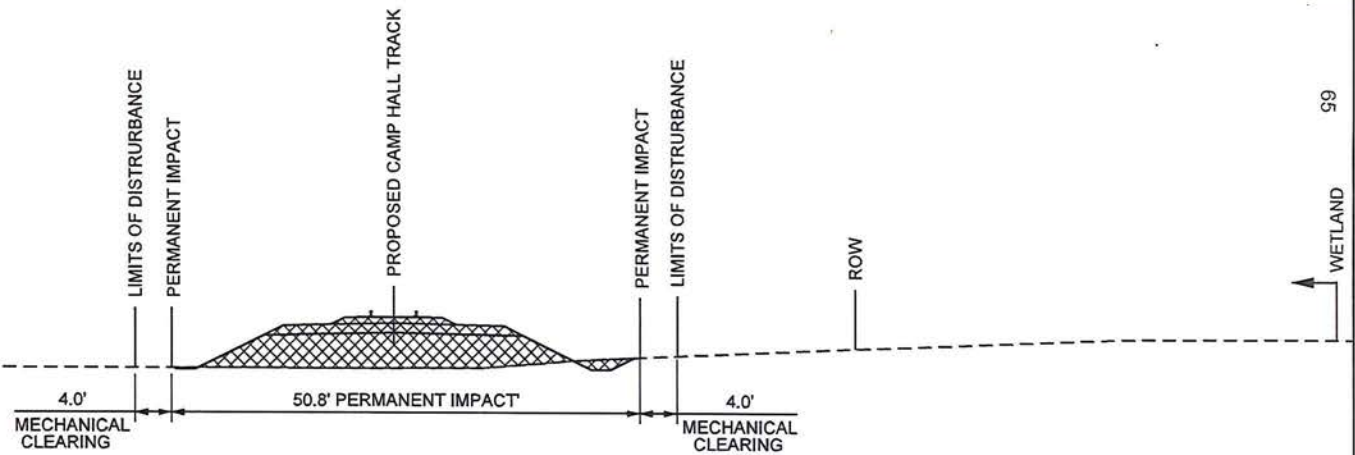
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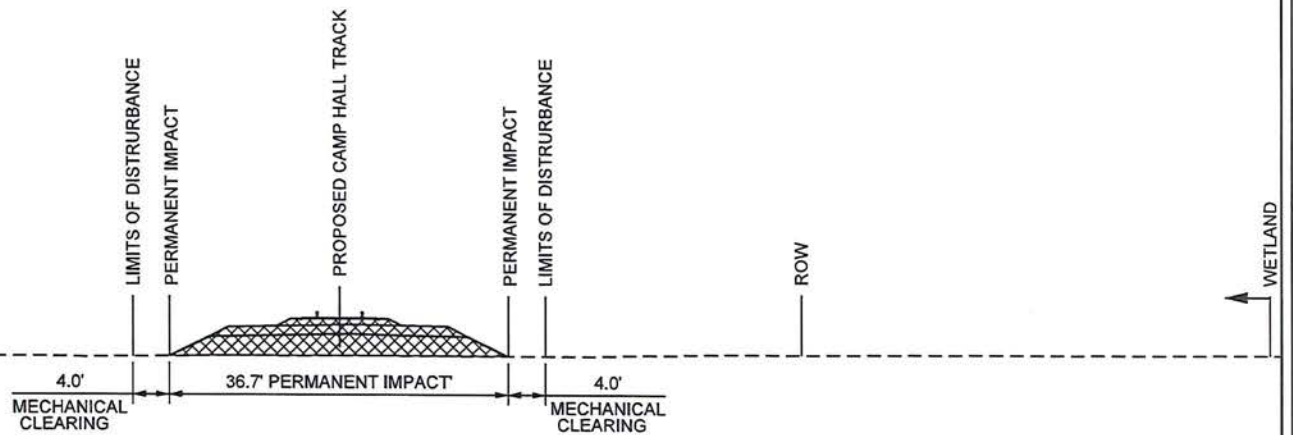
CROSS SECTION SHEET 10 OF 54 PERMITTED PLANS

PALMETTO RAILWAYS
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SECTION W
STA. 432+00



SECTION X
STA. 450+00

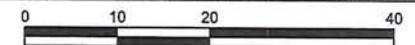


APPLICANT: PALMETTO RAILWAYS



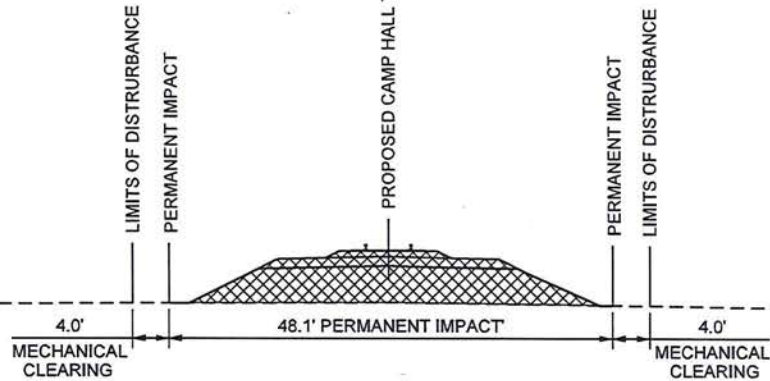
CROSS SECTION SHEET 11 OF XX
PERMITTED
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WETLAND

ROW

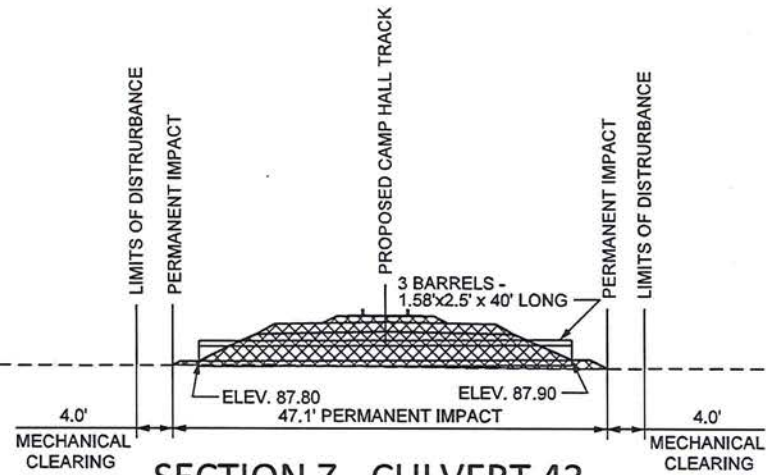


SECTION Y
STA. 464+00

99

WETLAND

ROW



SECTION Z - CULVERT 43
STA. 466+48.36

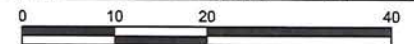


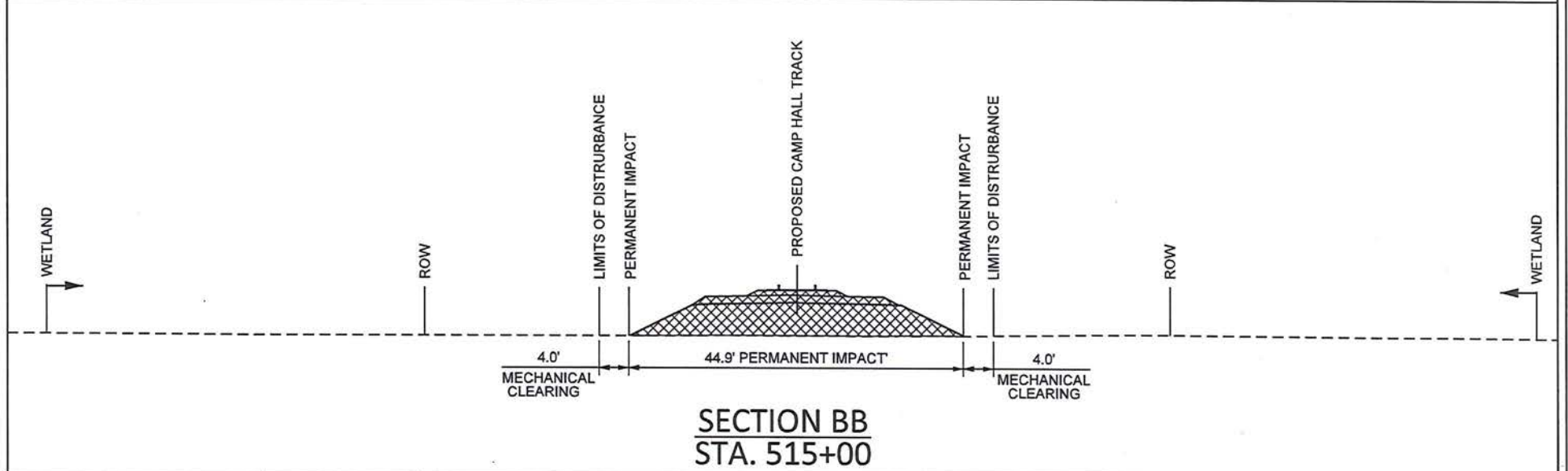
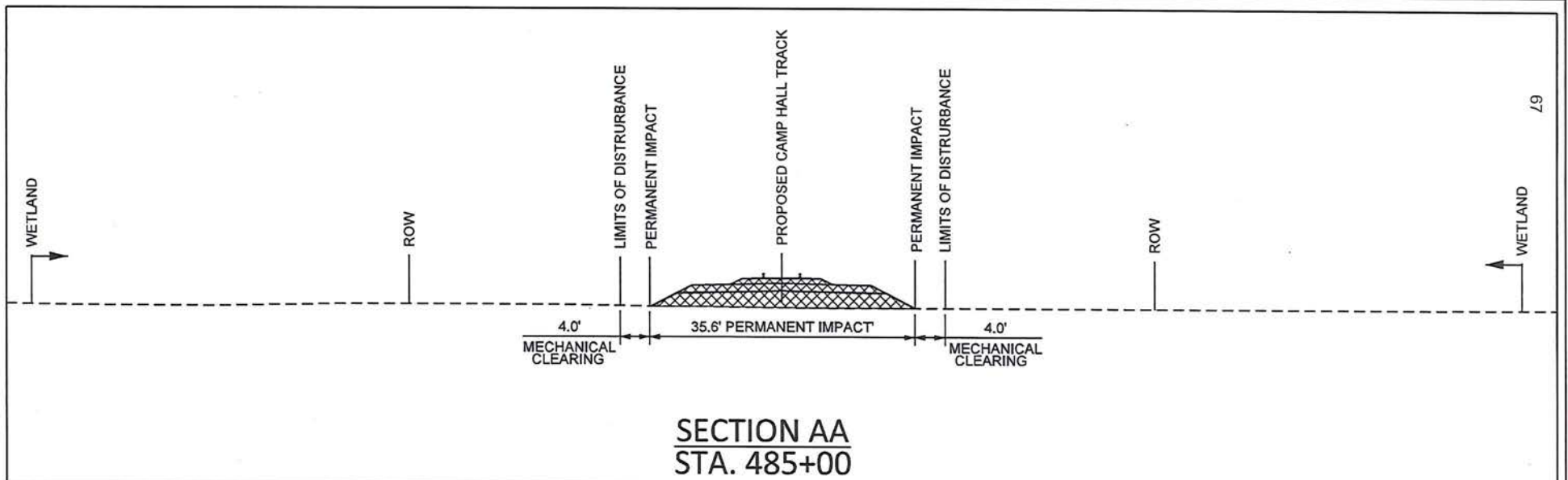
APPLICANT: PALMETTO RAILWAYS



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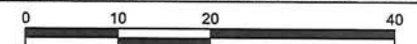


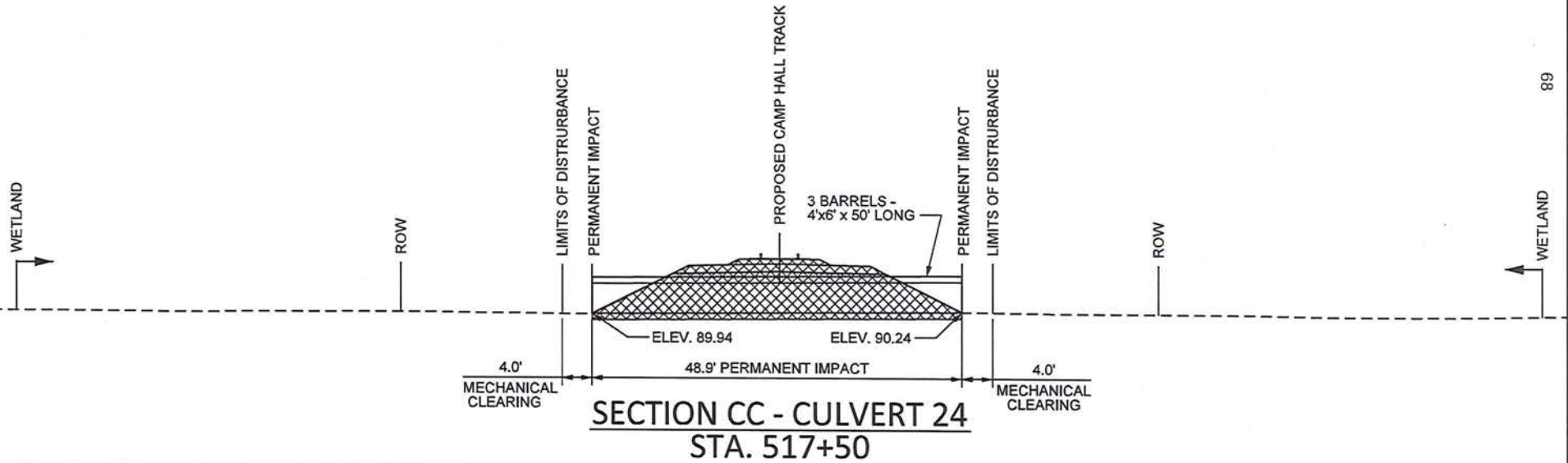
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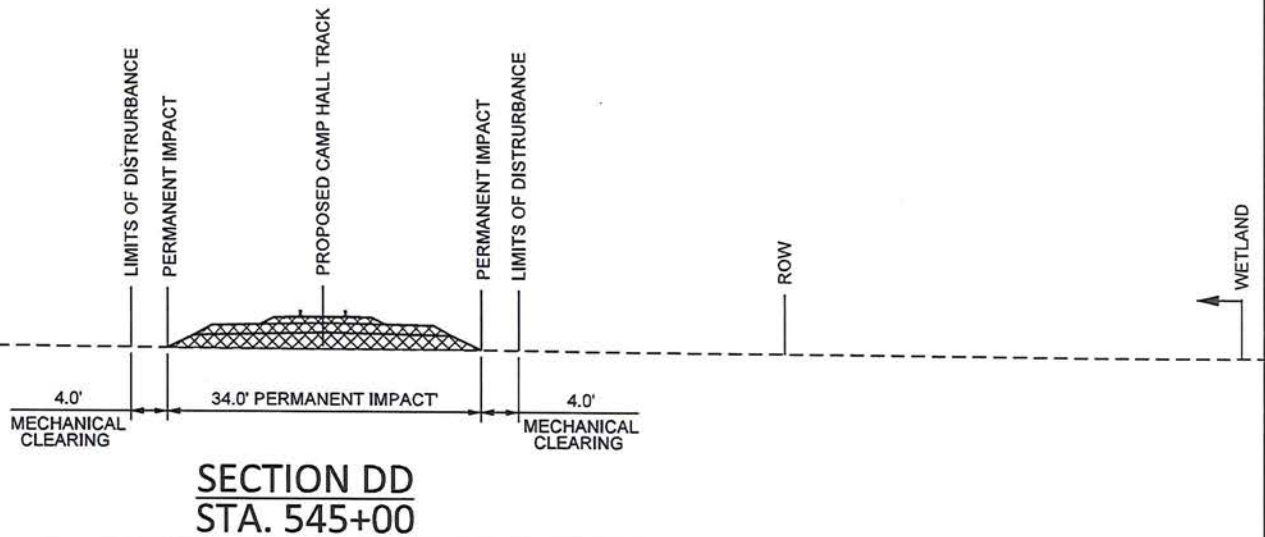
CROSS SECTION SHEET 13 OF 54 PERMITTED PLANS

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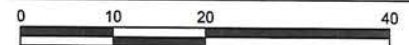
APPLICANT: PALMETTO RAILWAYS

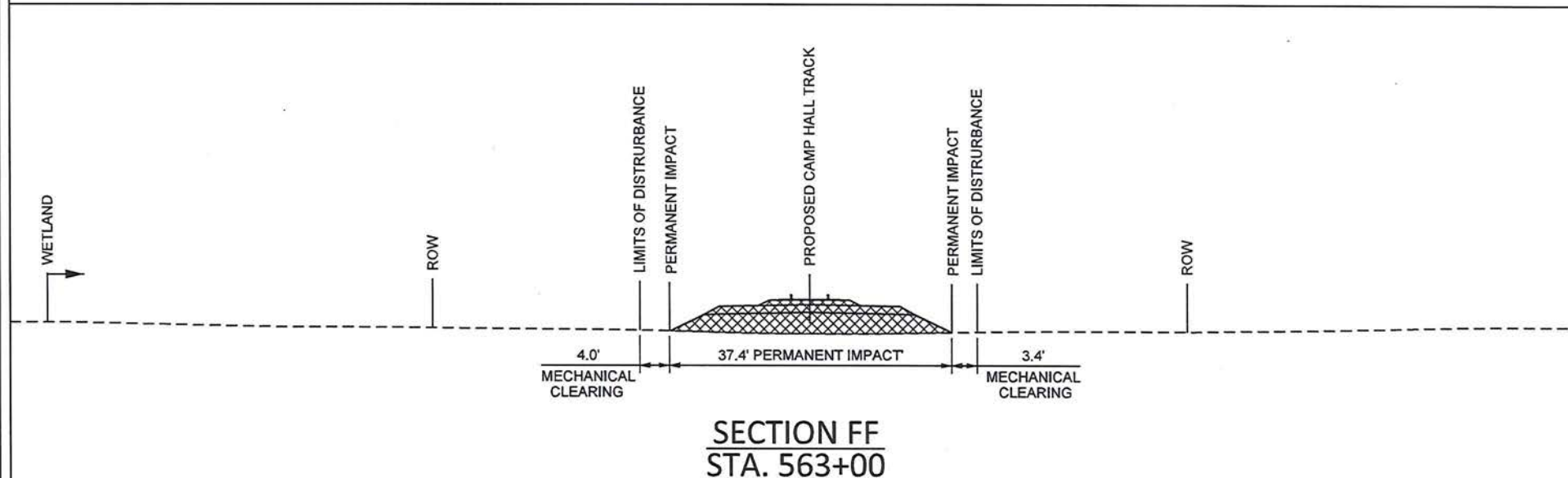
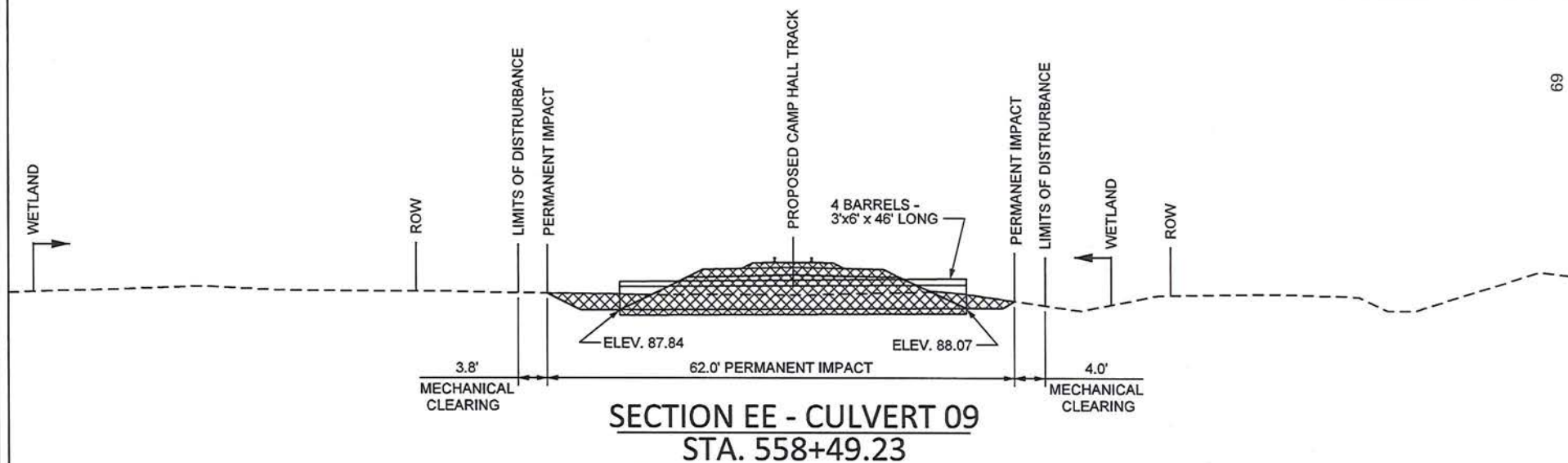


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PERMITTED PLANS

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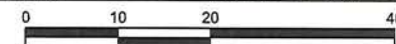


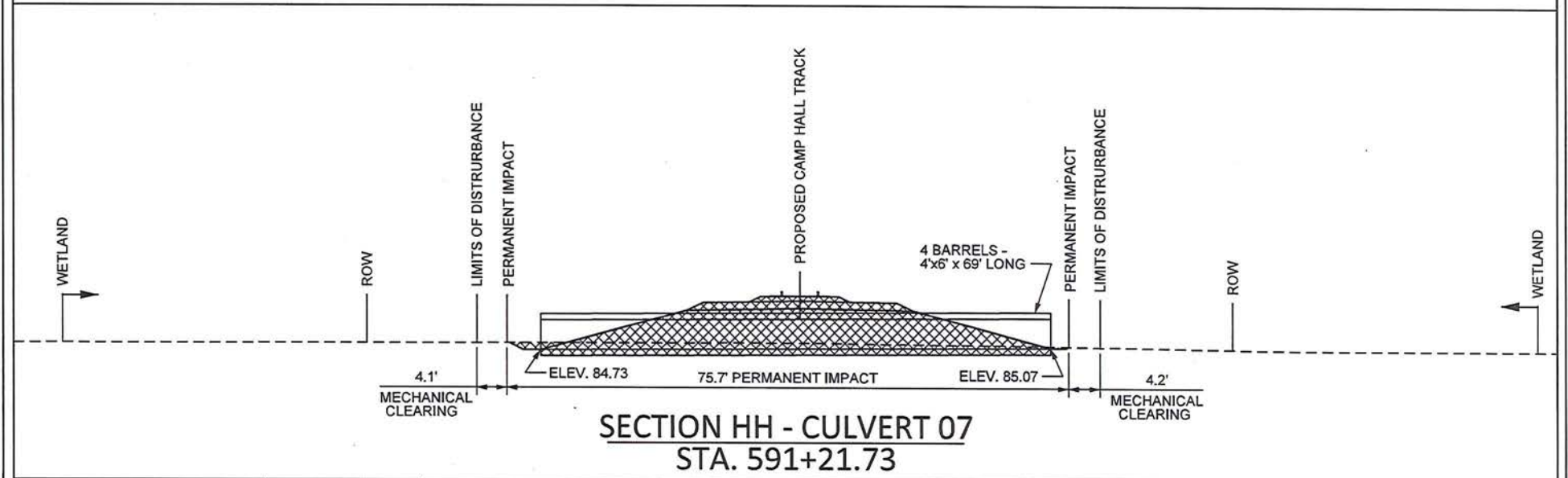
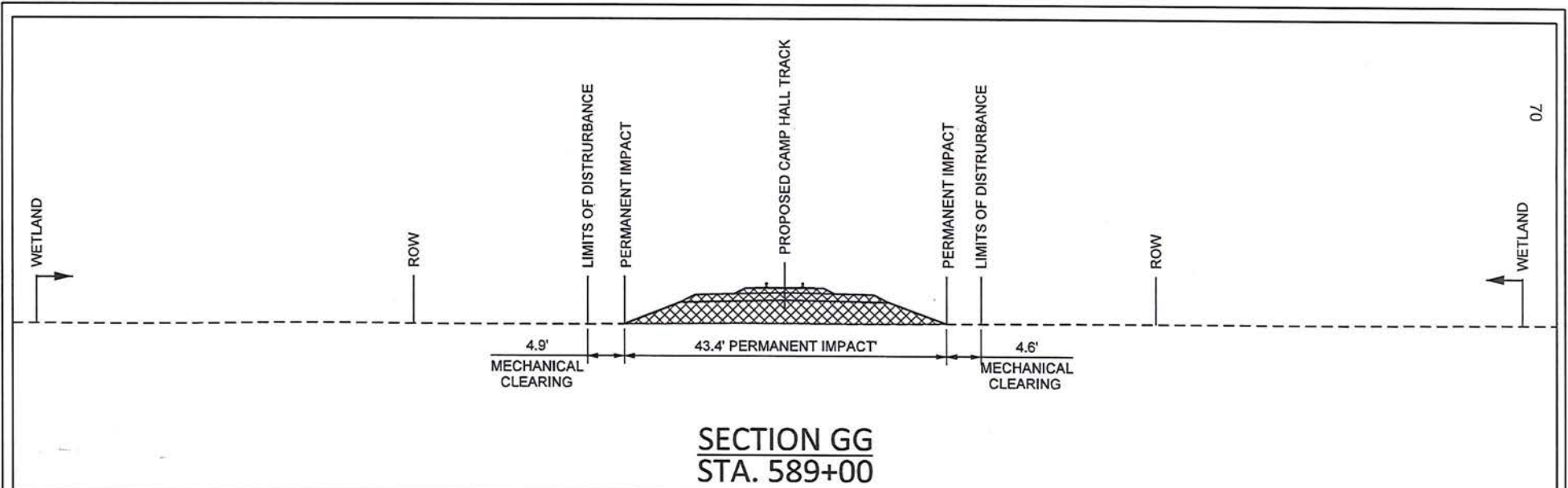
APPLICANT: PALMETTO RAILWAYS



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APPLICANT: PALMETTO RAILWAYS



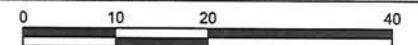
CROSS SECTION SHEET 16 OF 54

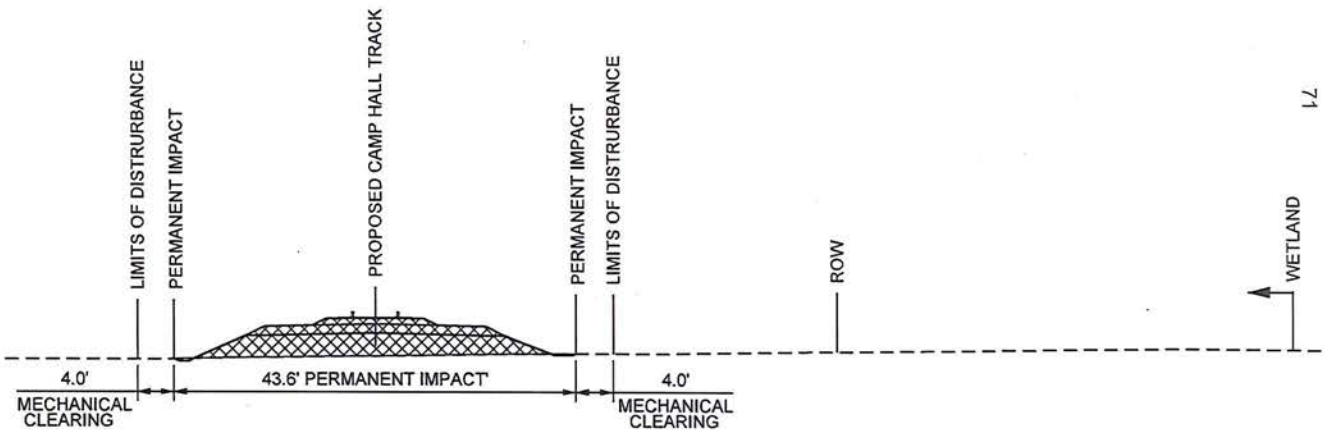
PERMITTED PLANS

PALMETTO RAILWAYS
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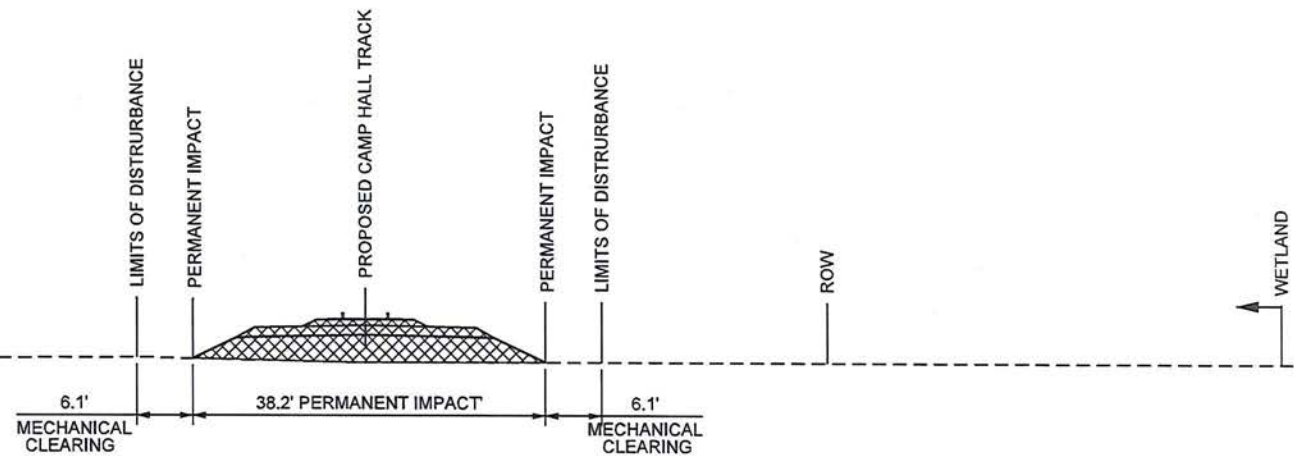
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SECTION JJ
STA. 593+00



SECTION KK
STA. 615+00

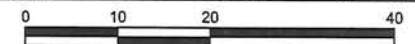


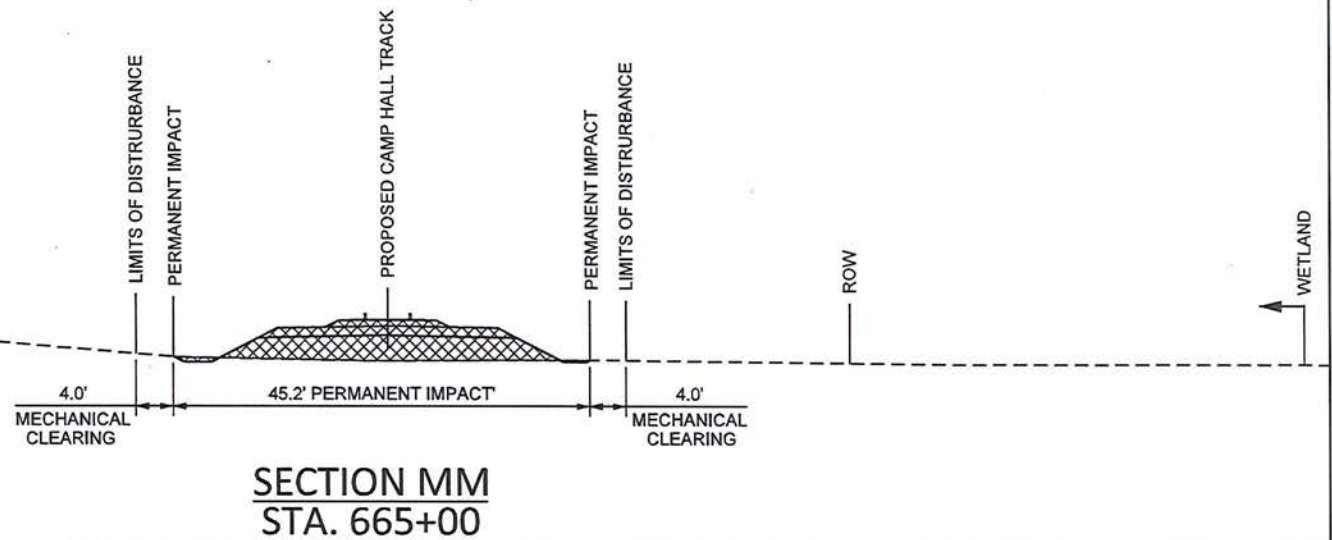
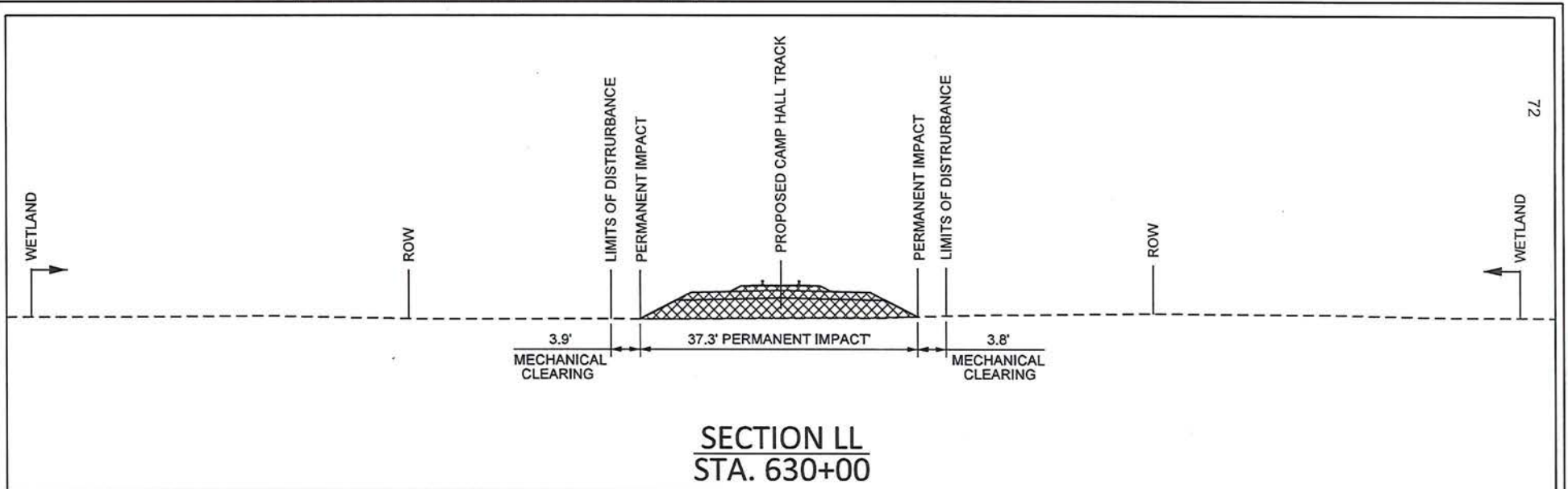
APPLICANT: PALMETTO RAILWAYS



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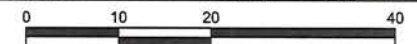


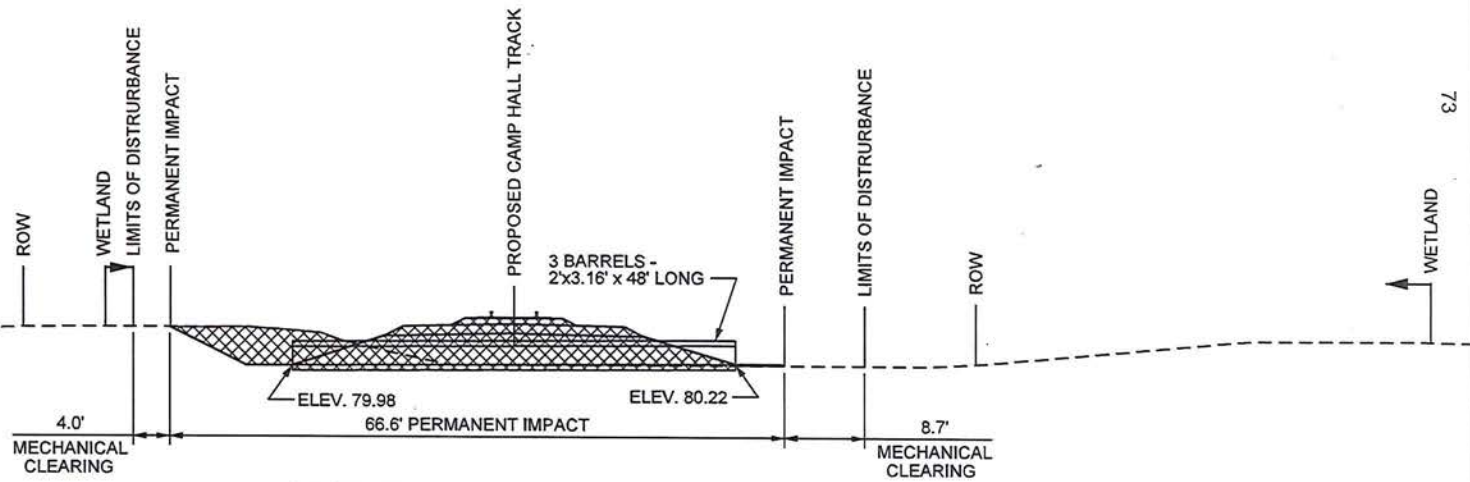
APPLICANT: PALMETTO RAILWAYS



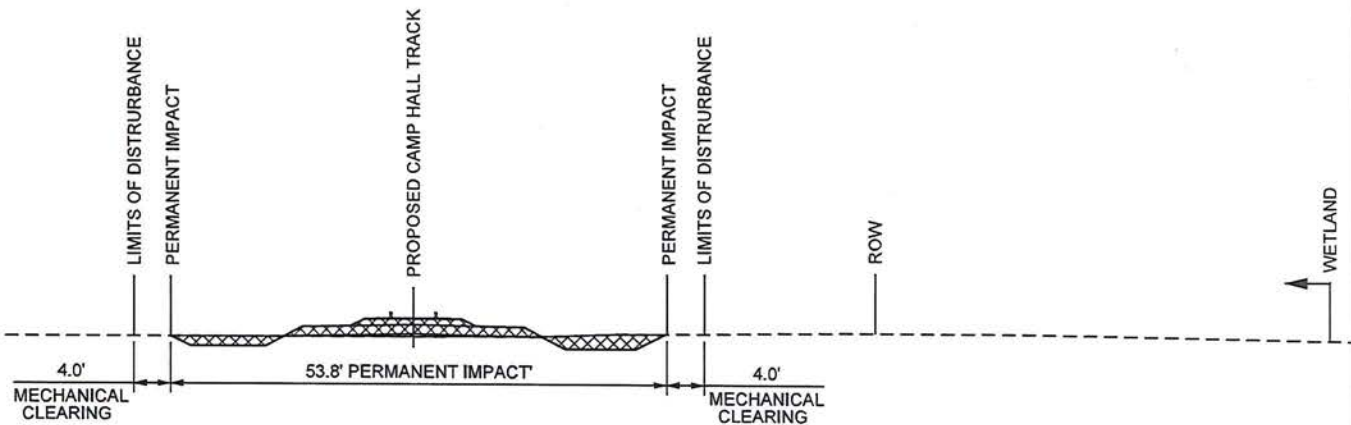
CROSS SECTION SHEET 18 OF 54 PERMITTED PLANS

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SECTION NN - CULVERT 25
STA. 678+50.61



SECTION PP
STA. 685+00

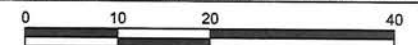


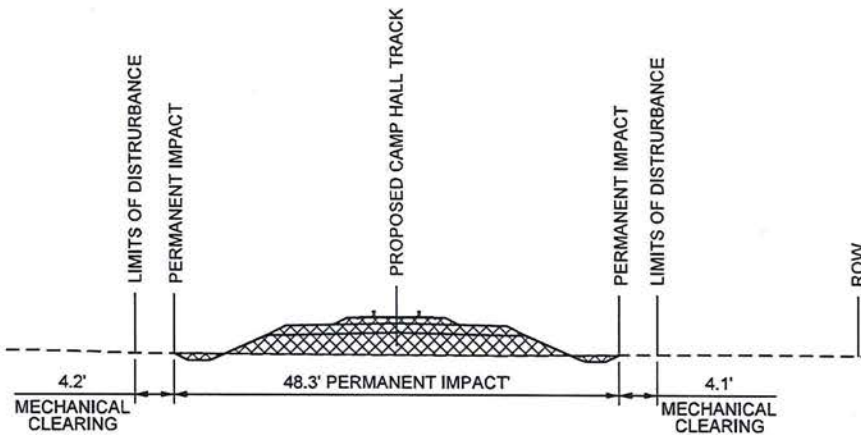
APPLICANT: PALMETTO RAILWAYS



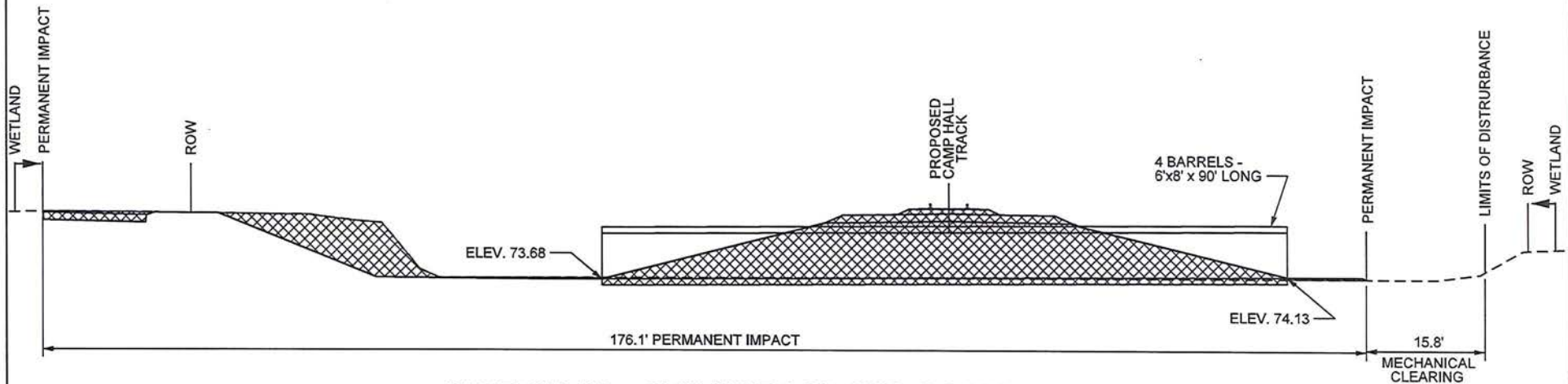
CROSS SECTION SHEET 19 OF 54 **PERMITTED PLANS**

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SECTION QQ
STA. 721+00



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

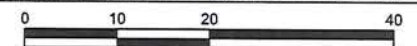


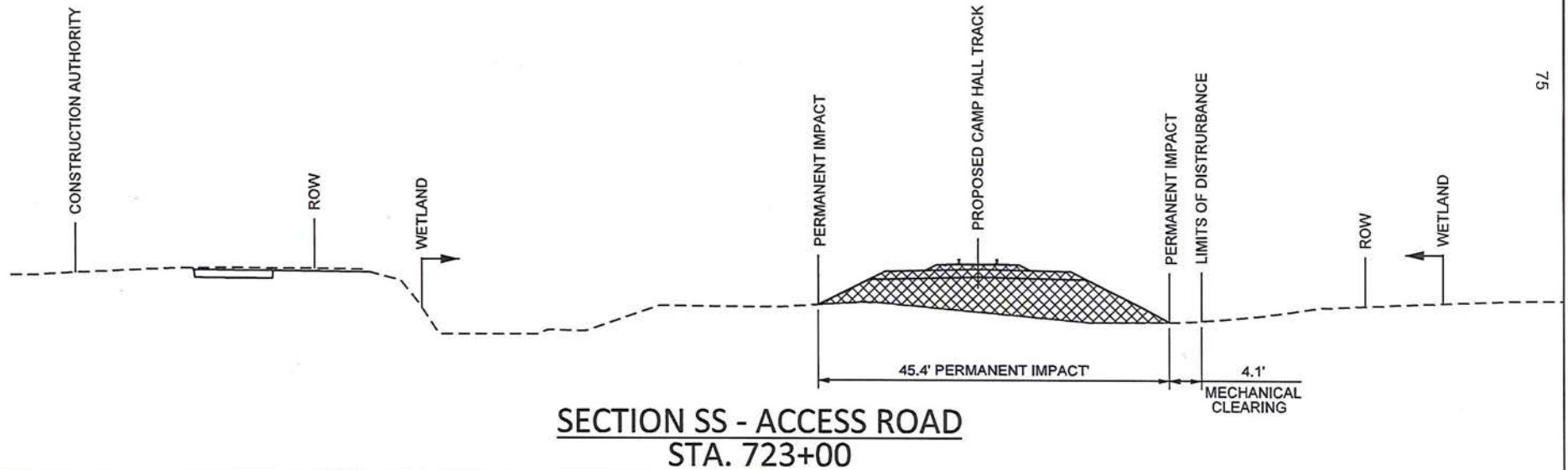
APPLICANT: PALMETTO RAILWAYS



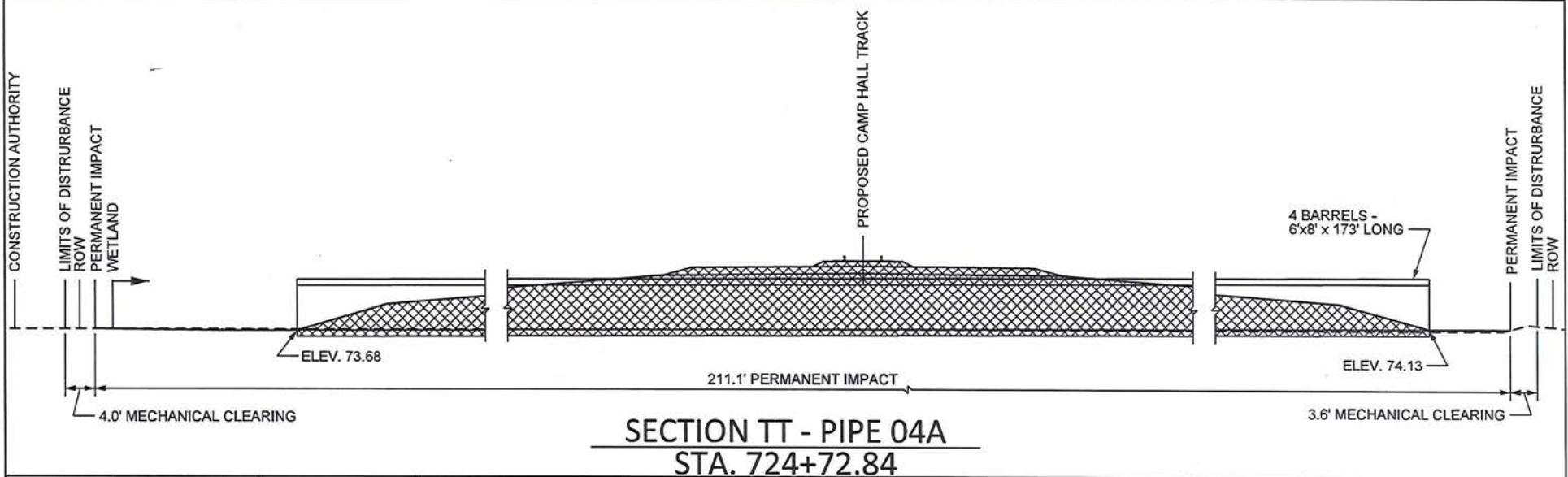
CROSS SECTION SHEET 20 OF 54
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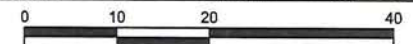
APPLICANT: PALMETTO RAILWAYS

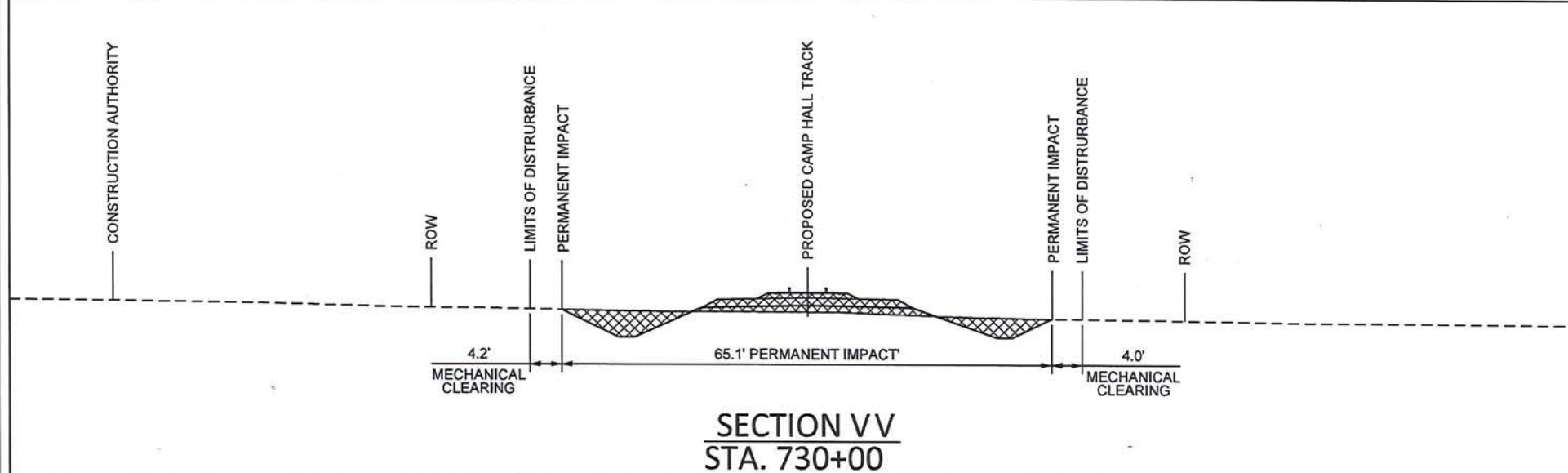
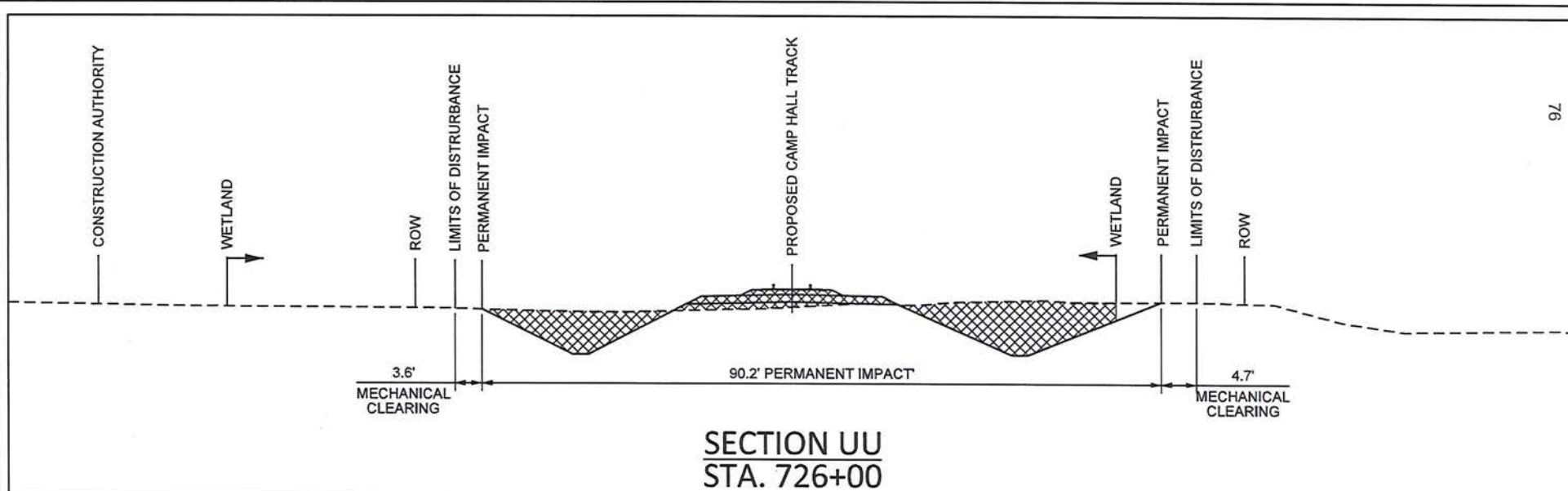


CROSS SECTION SHEET 21 OF 54

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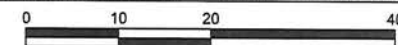
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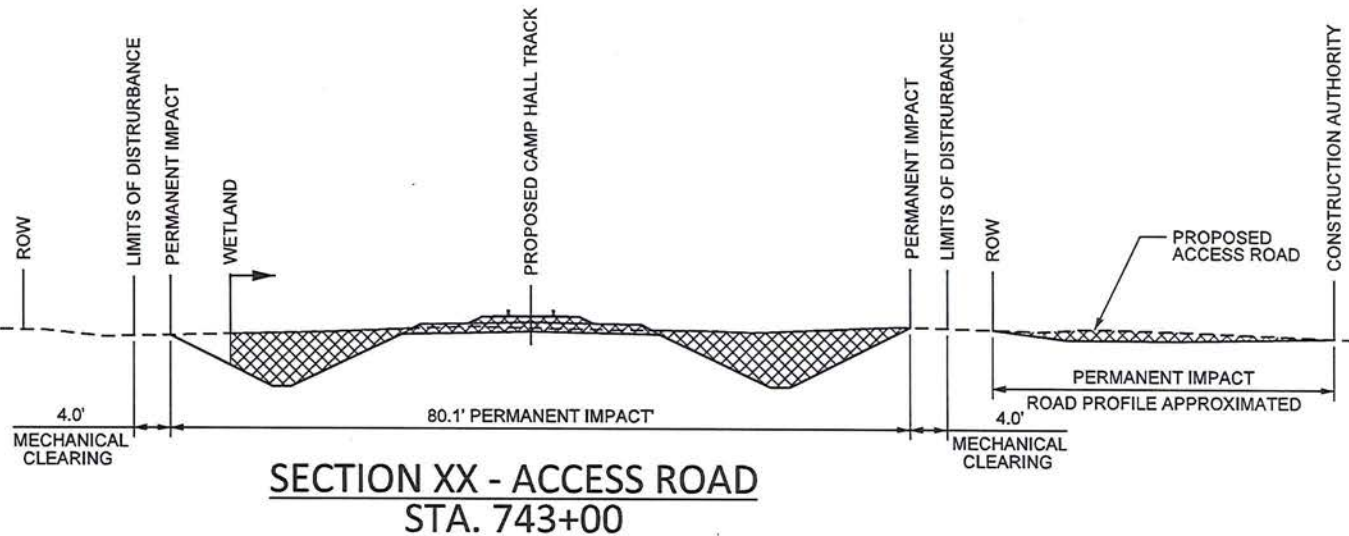
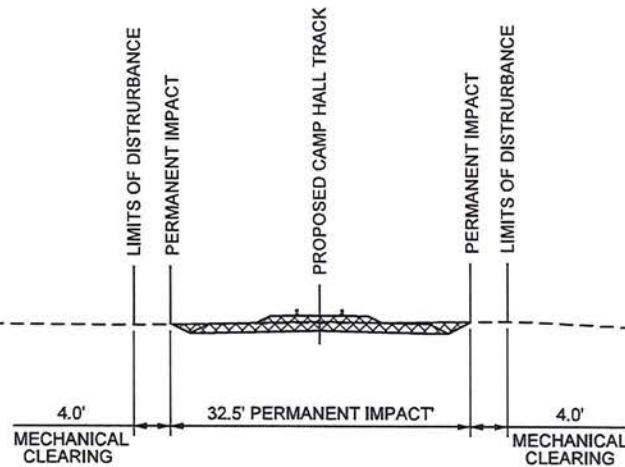


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PERMITTED
PLANS

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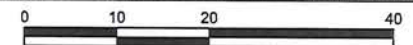
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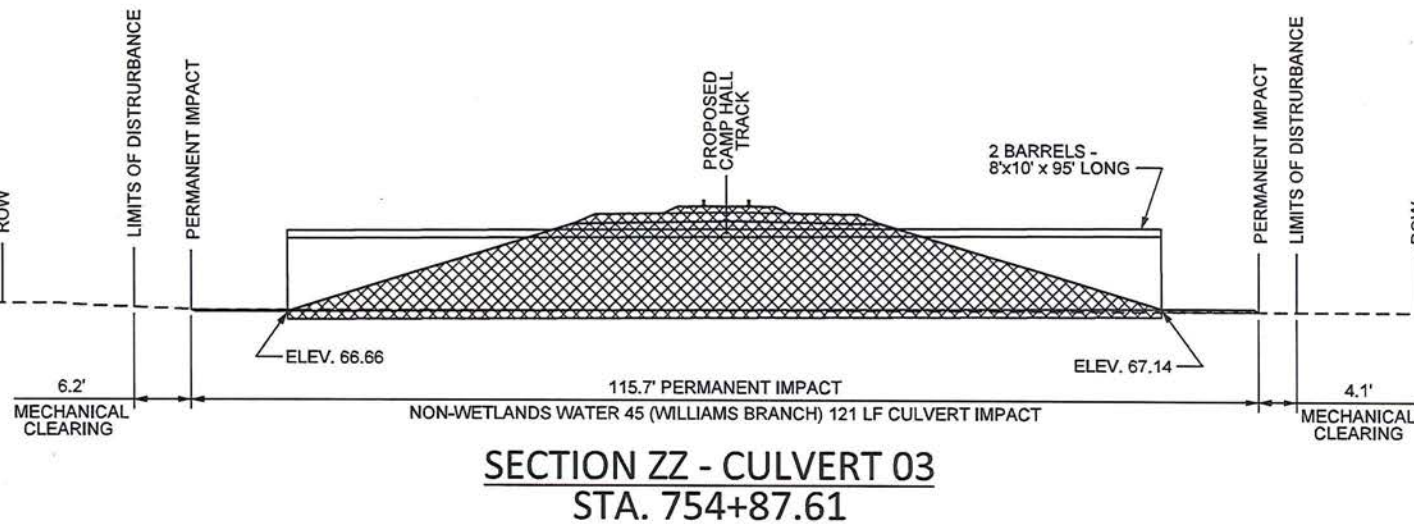
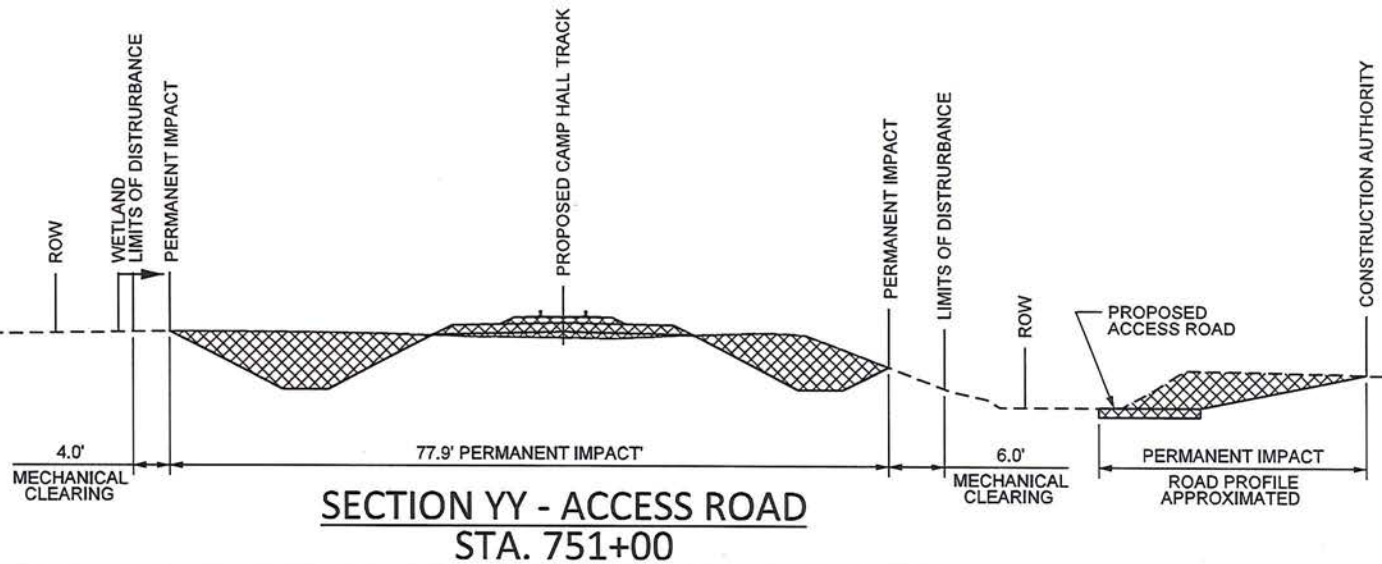


CROSS SECTION SHEET 23 OF 54

PERMITTED
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CAMP HALL RAIL PROJECT
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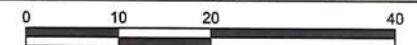
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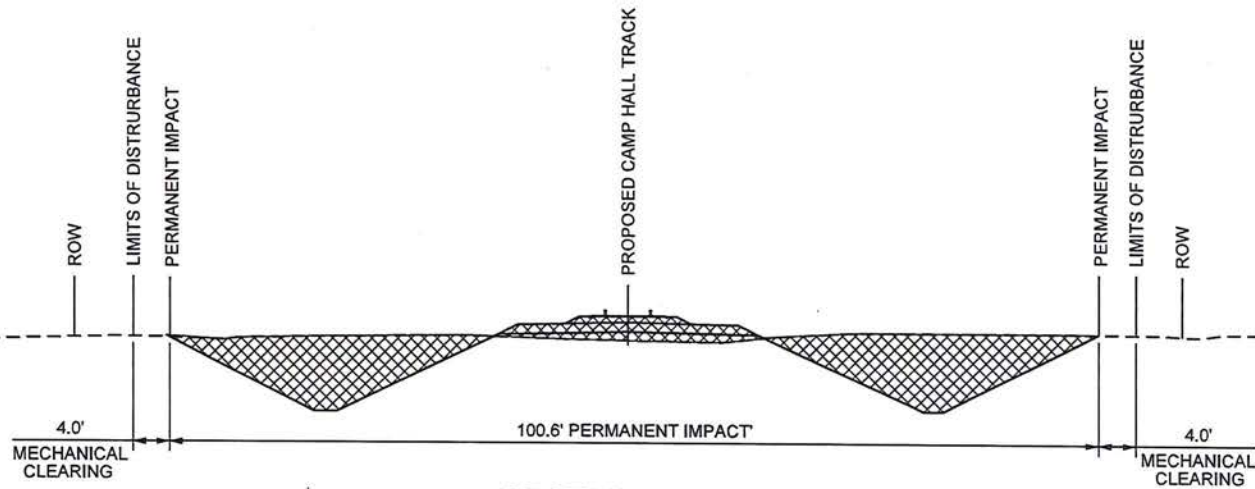


CROSS SECTION SHEET 24 OF 54

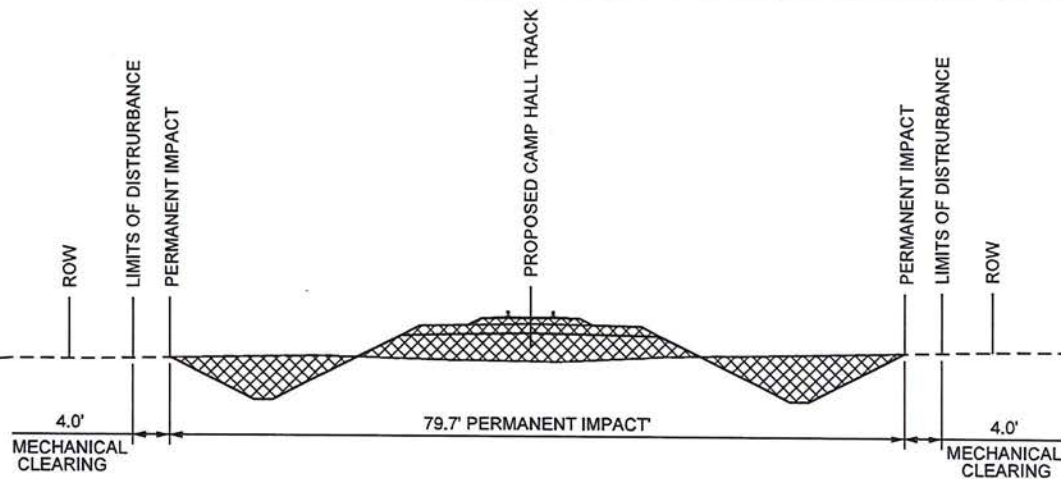
PERMITTED PLANS

PALMETTO RAILWAYS
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SECTION AAA
STA. 760+00



SECTION BBB
STA. 772+00

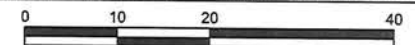


APPLICANT: PALMETTO RAILWAYS



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PALMETTO RAILWAYS
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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

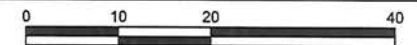
35.2' PERMANENT IMPACT

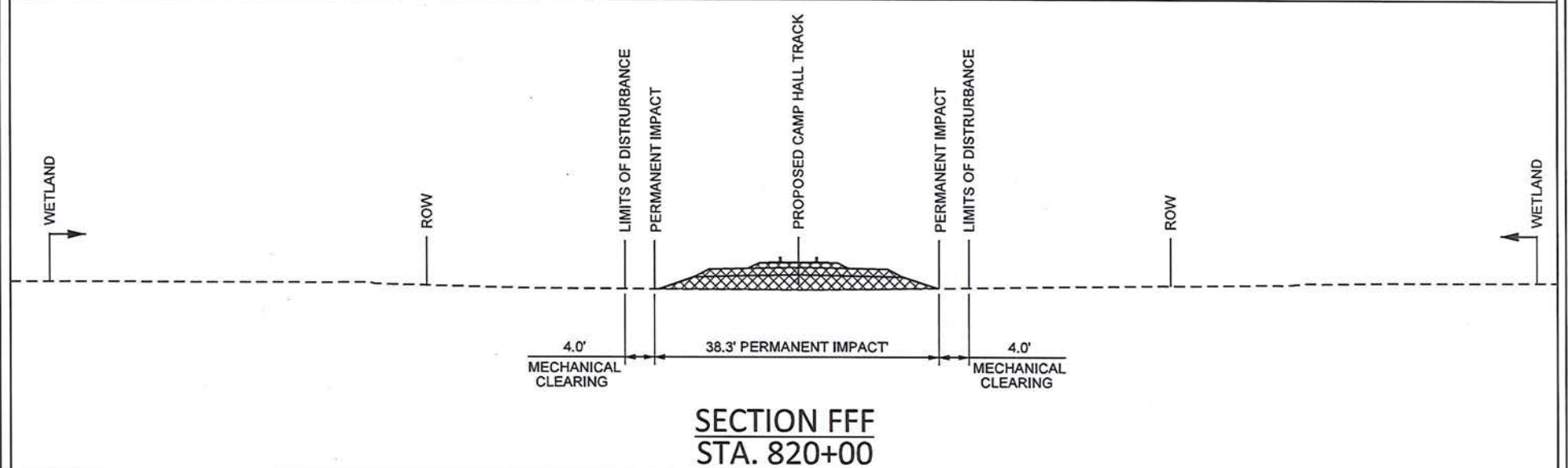
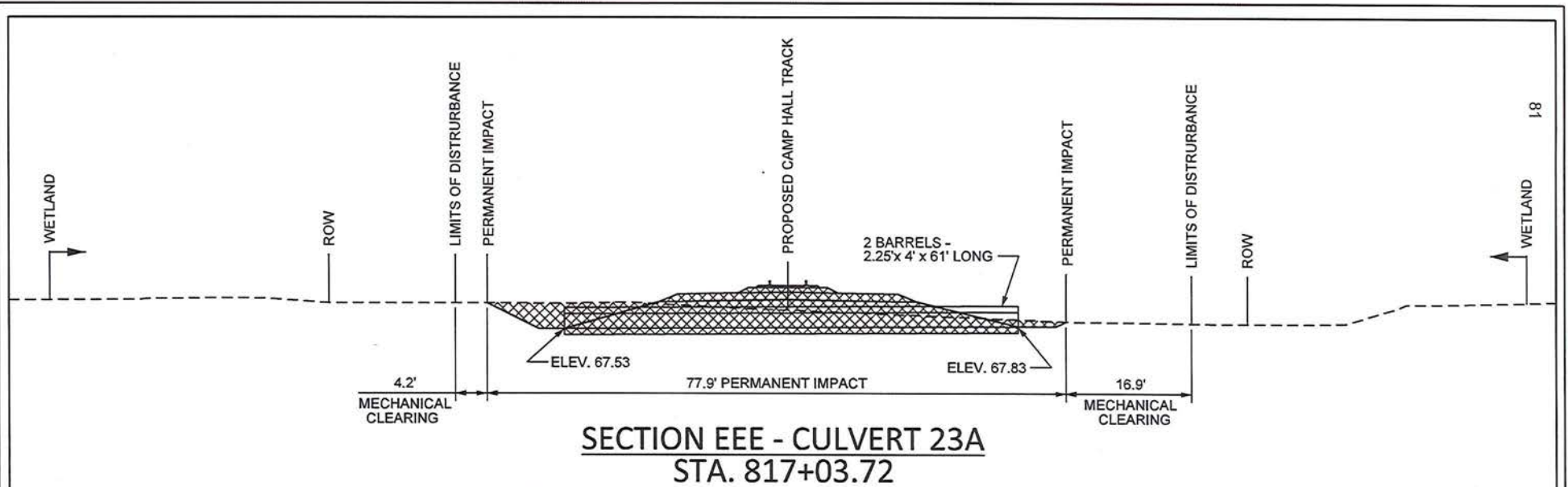
4.0'
MECHANICAL
CLEARINGSECTION DDD
STA. 805+00

APPLICANT: PALMETTO RAILWAYS

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PERMITTED
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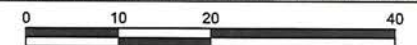


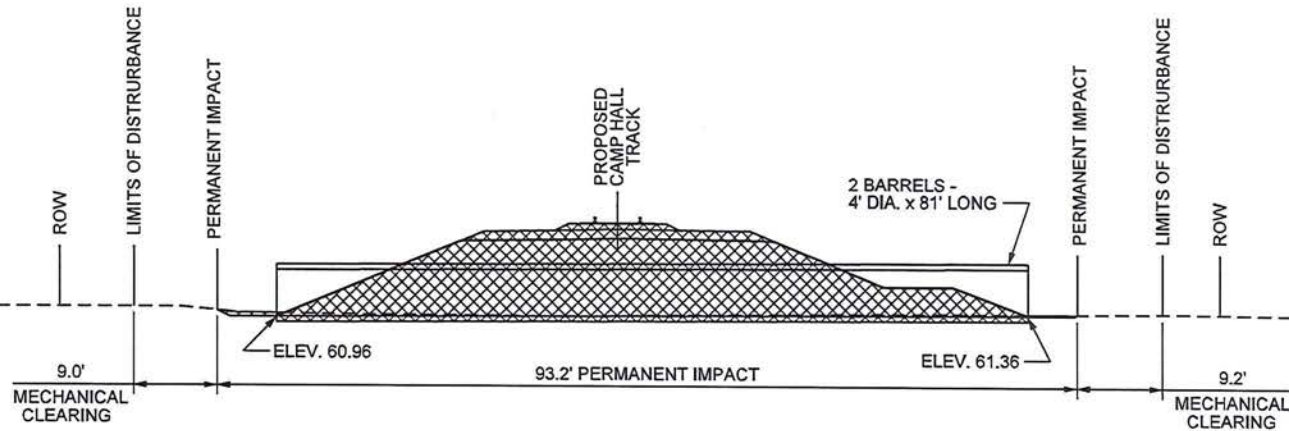
APPLICANT: PALMETTO RAILWAYS



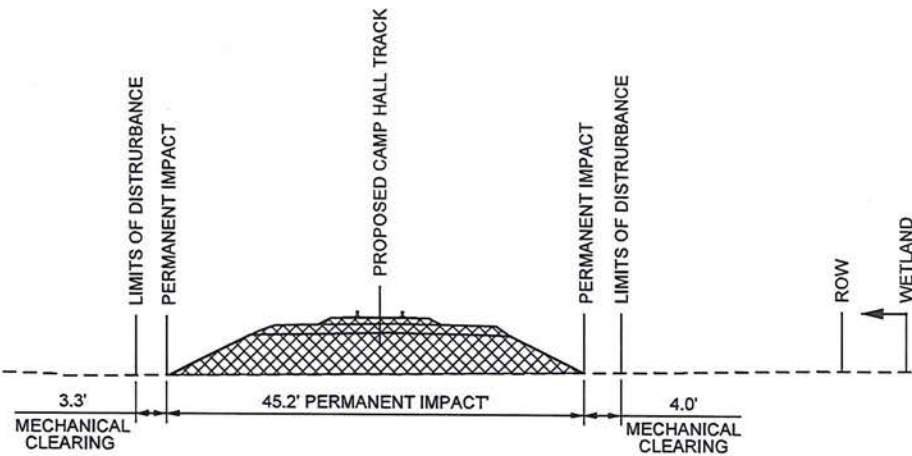
CROSS SECTION SHEET 27 OF 54 PERMITTED PLANS

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SECTION GGG - CULVERT 41
STA. 829+42.90



SECTION HHH
STA. 830+00

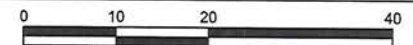


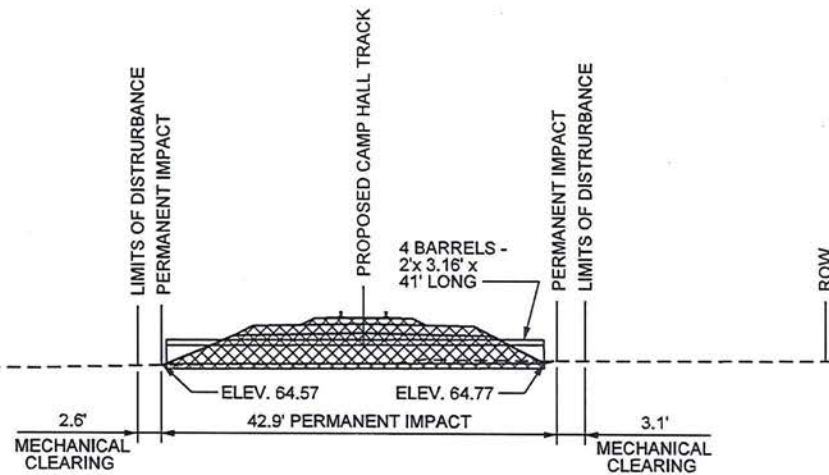
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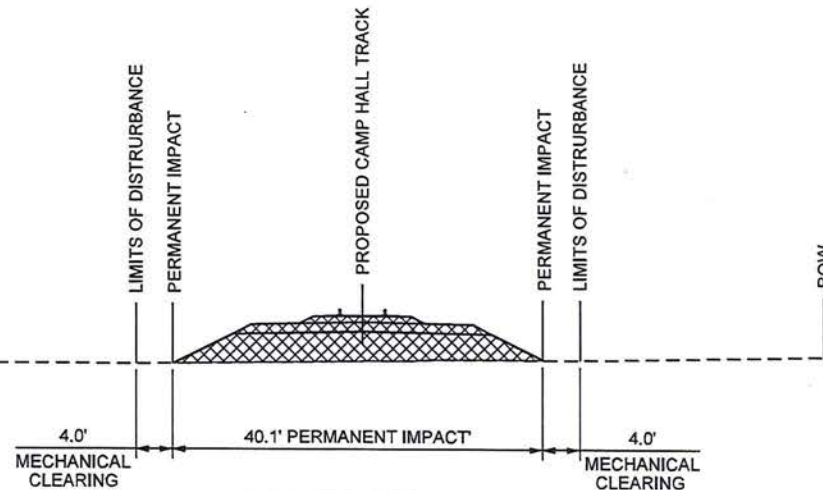
CROSS SECTION SHEET 28 OF 54
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SECTION JJJ - CULVERT 27
STA. 849+99.98



SECTION KKK
STA. 851+00

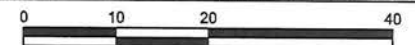


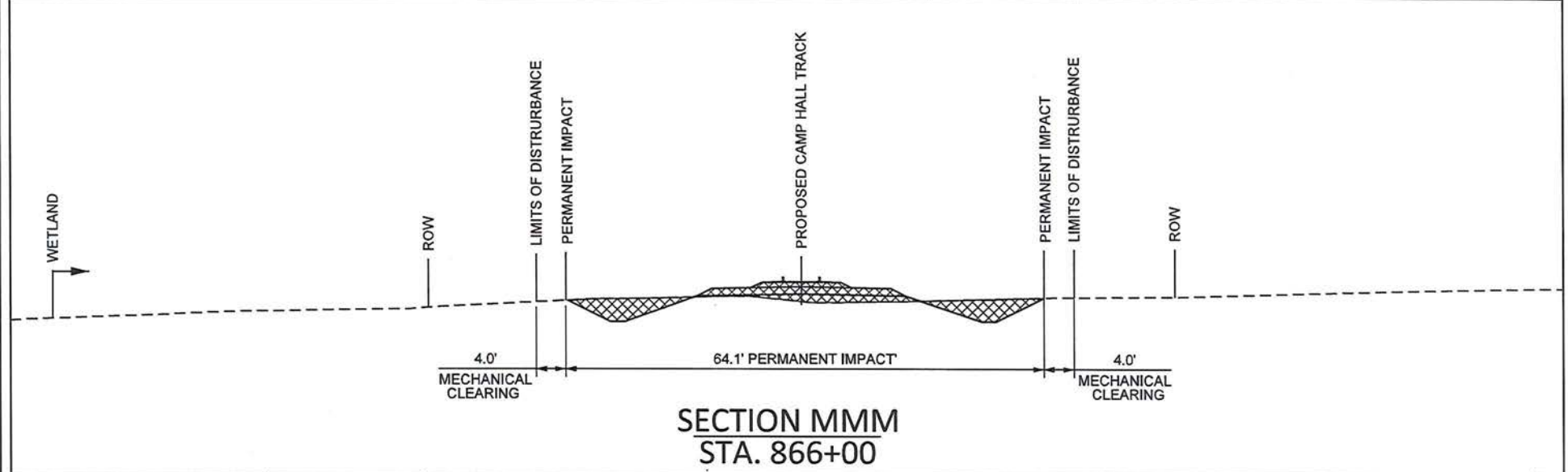
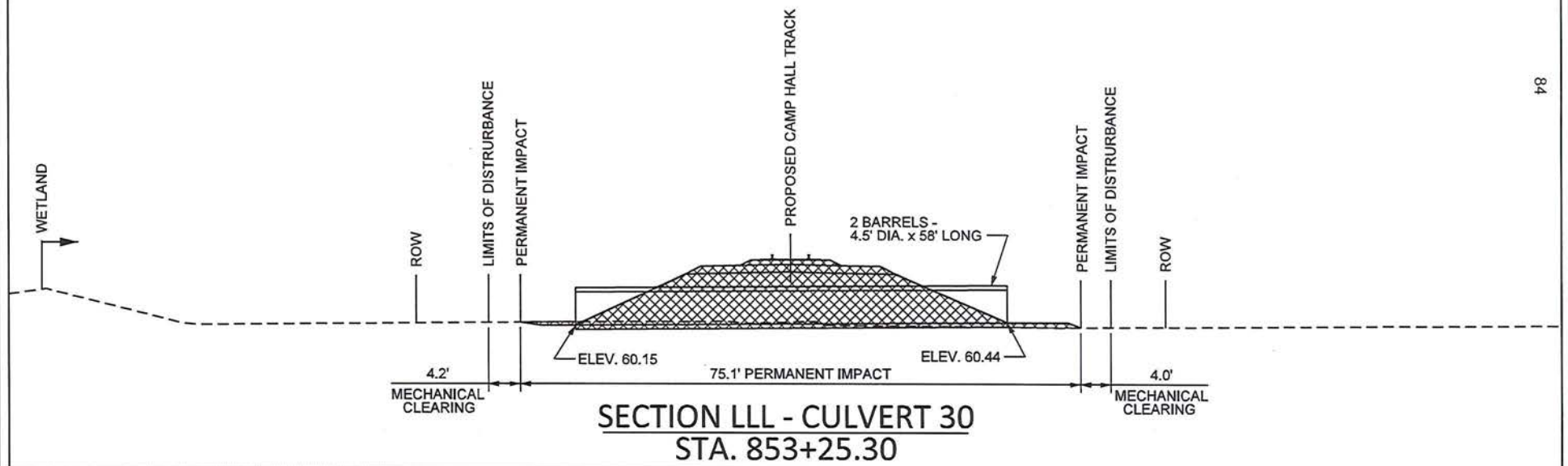
APPLICANT: PALMETTO RAILWAYS



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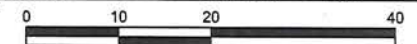
APPLICANT: PALMETTO RAILWAYS

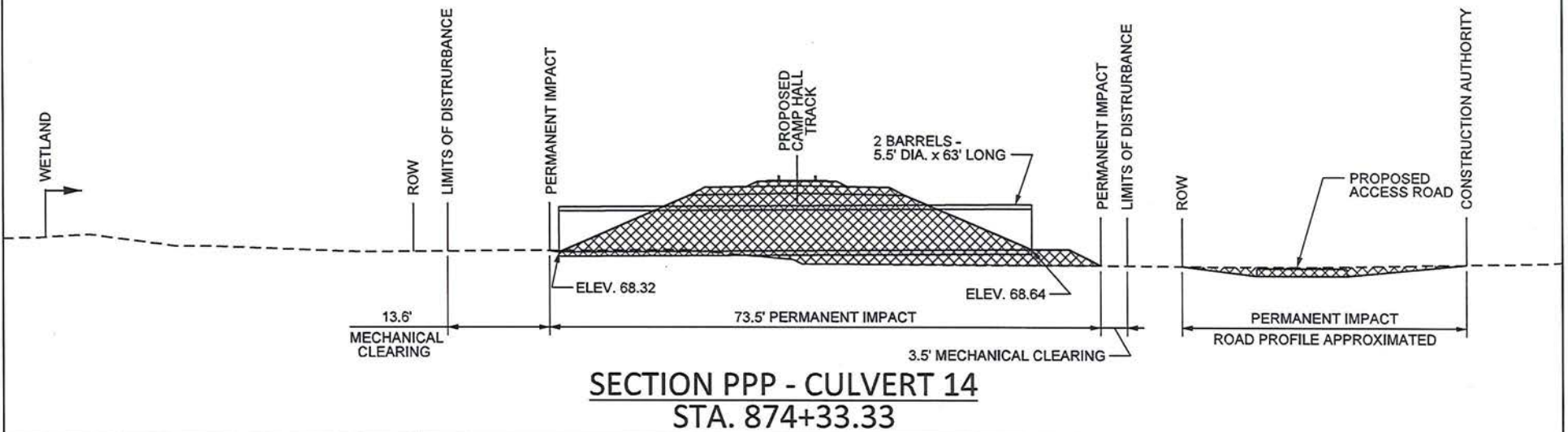
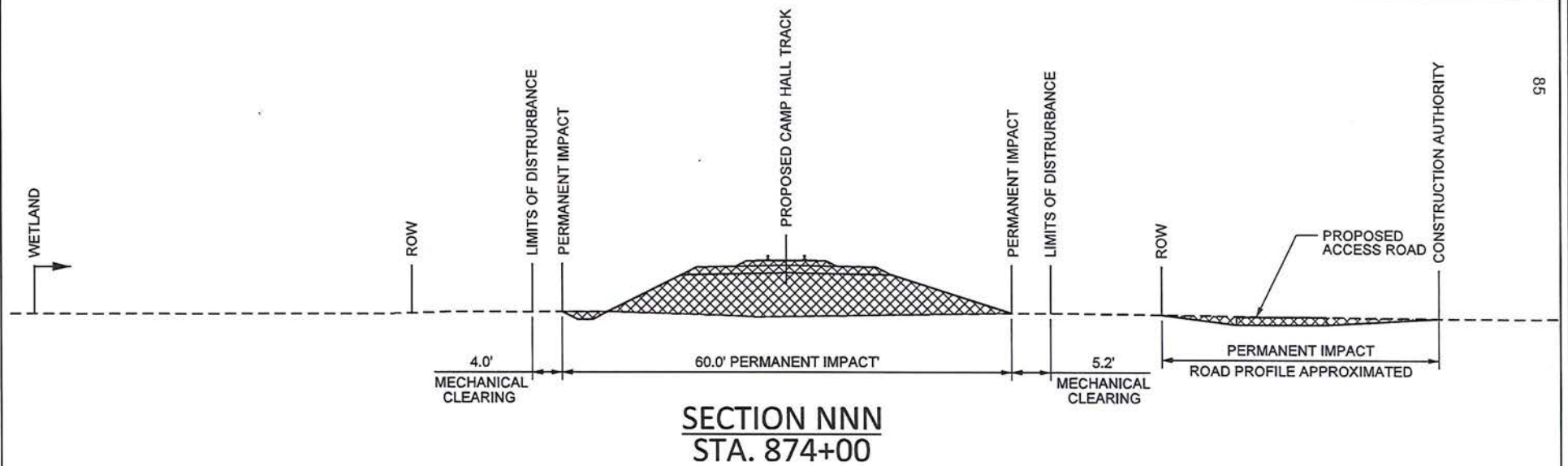


CROSS SECTION SHEET 30 OF 54

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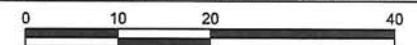
APPLICANT: PALMETTO RAILWAYS

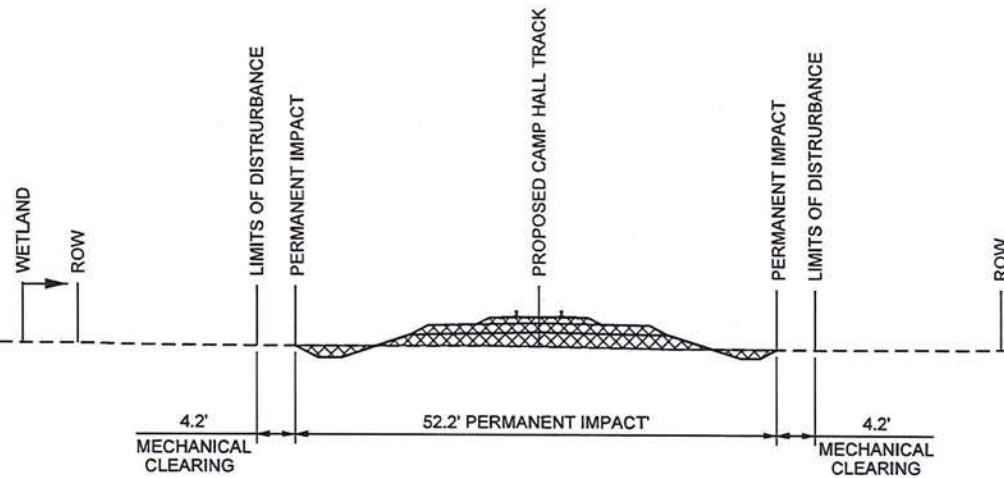


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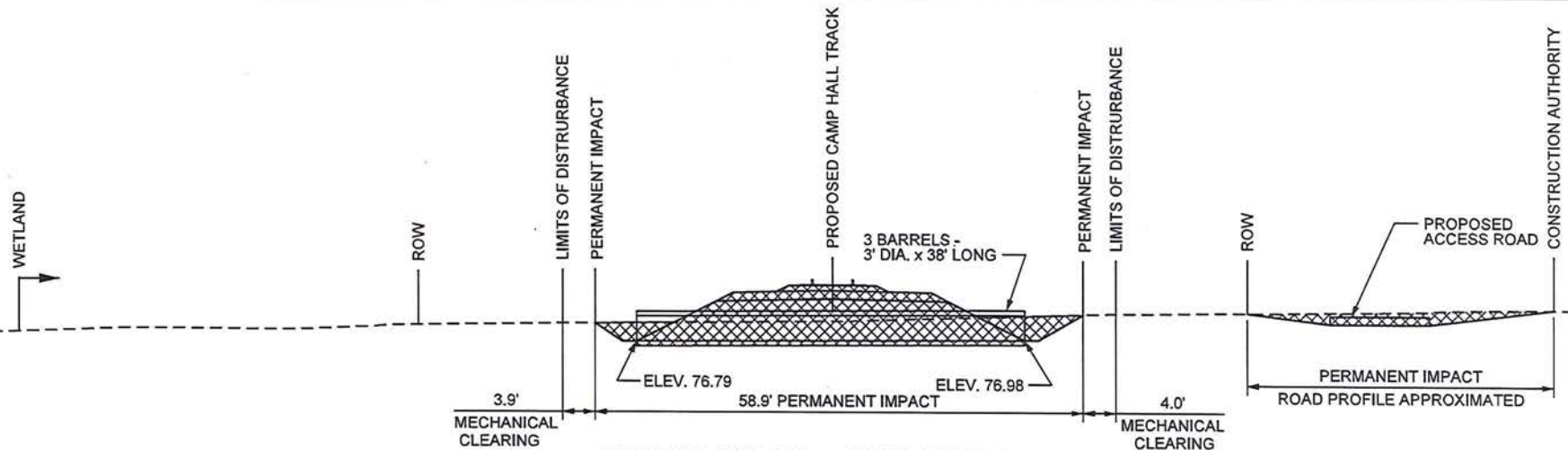
PERMITTED PLANS

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SECTION QQQ
STA. 886+00



SECTION RRR - CULVERT 37
STA. 918+47.04



APPLICANT: PALMETTO RAILWAYS

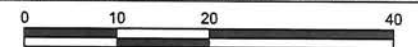


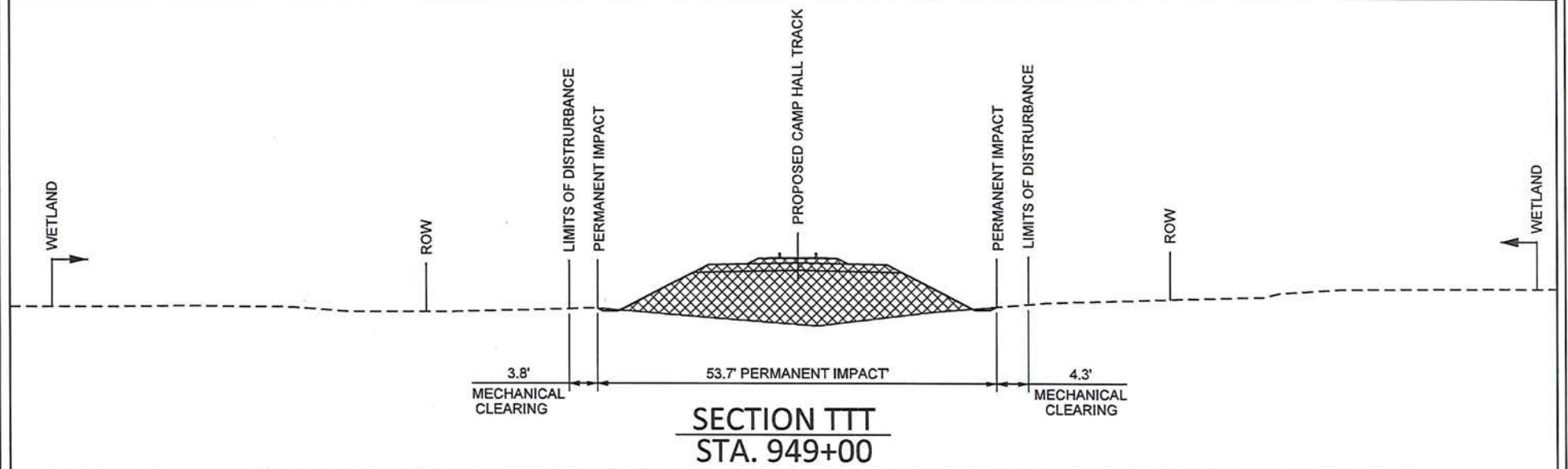
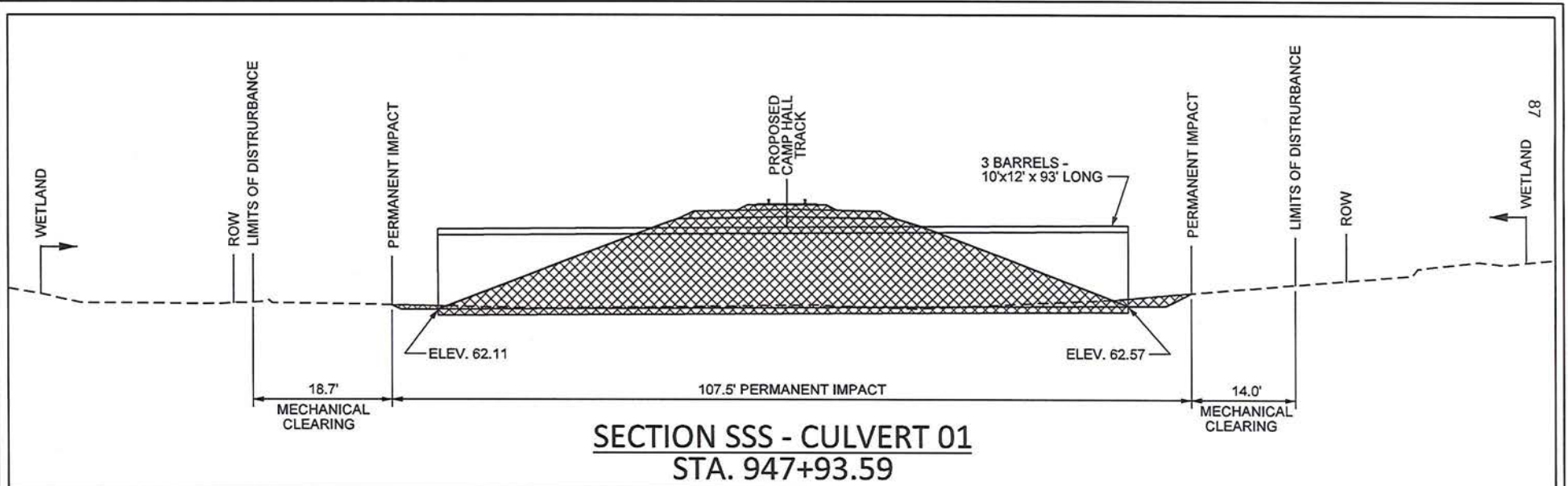
CROSS SECTION SHEET 32 OF 54
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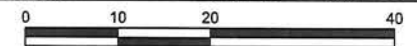
APPLICANT: PALMETTO RAILWAYS

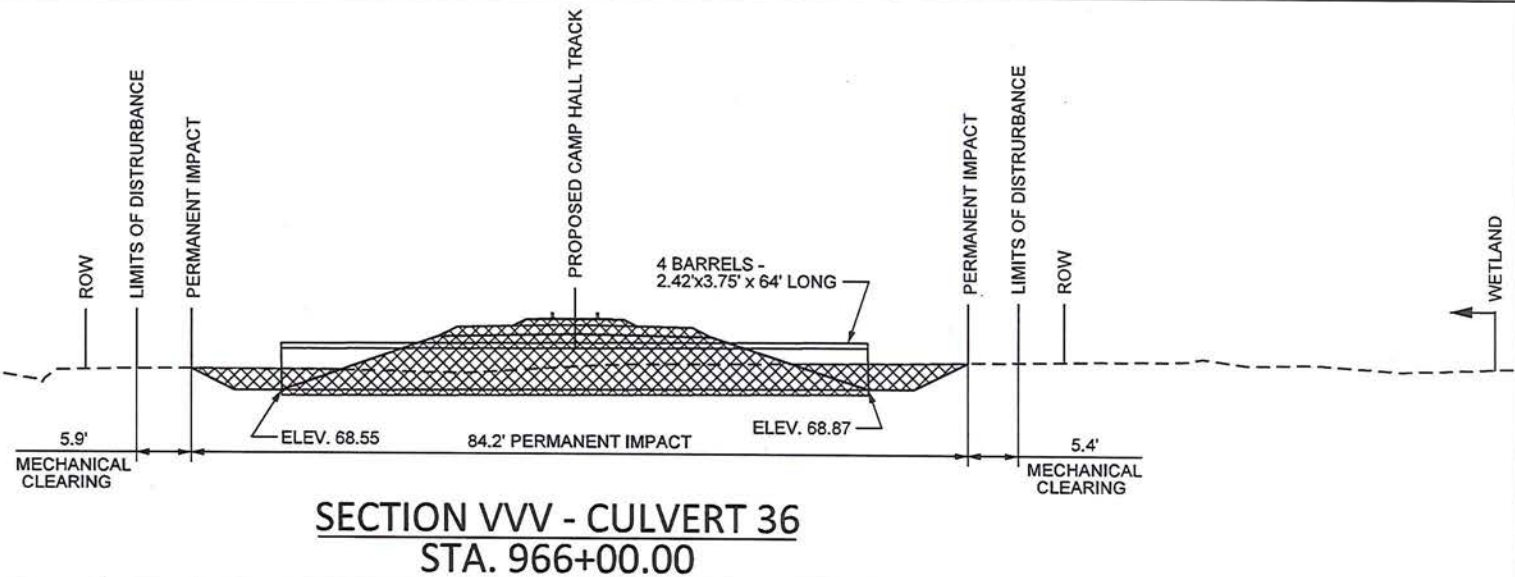
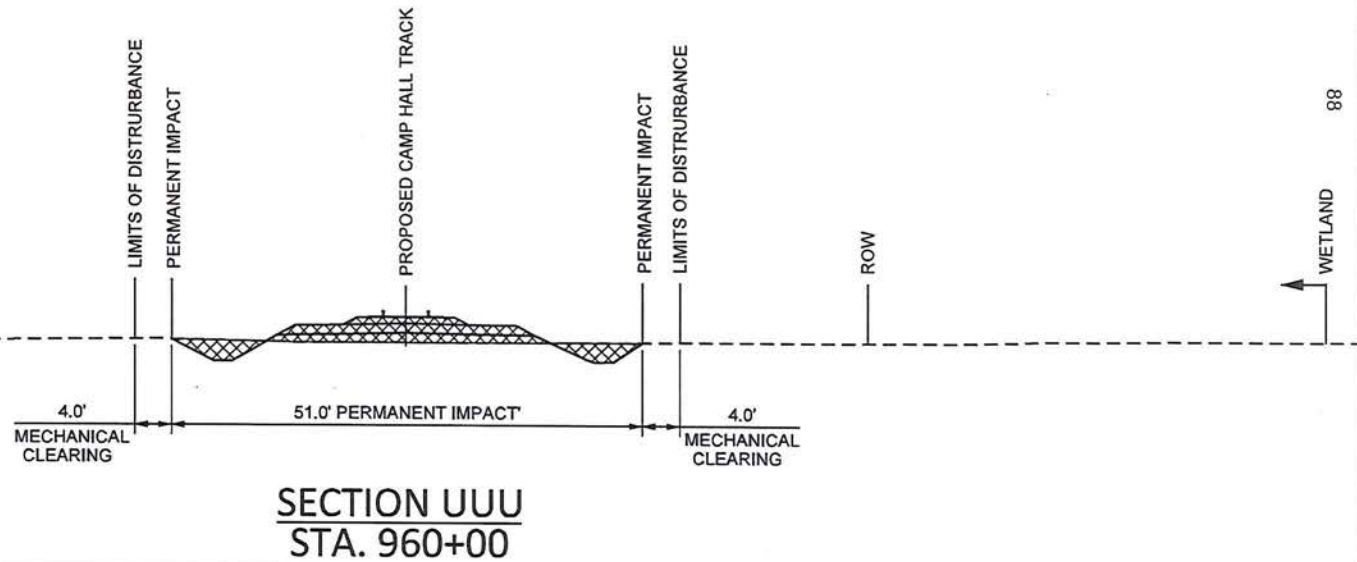


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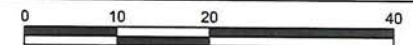
APPLICANT: PALMETTO RAILWAYS

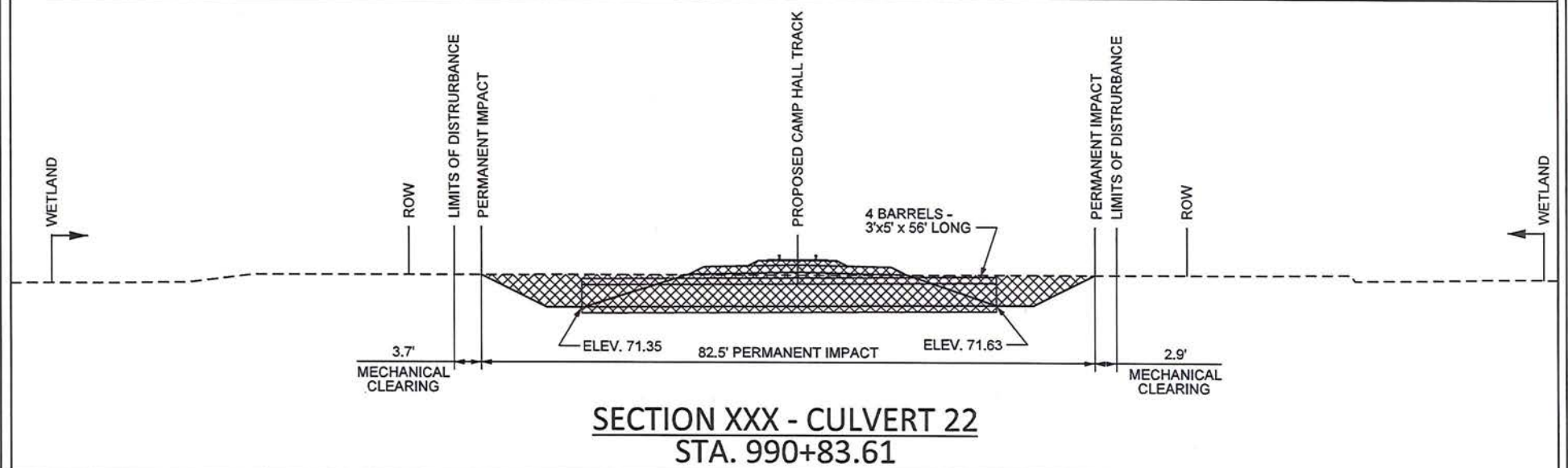
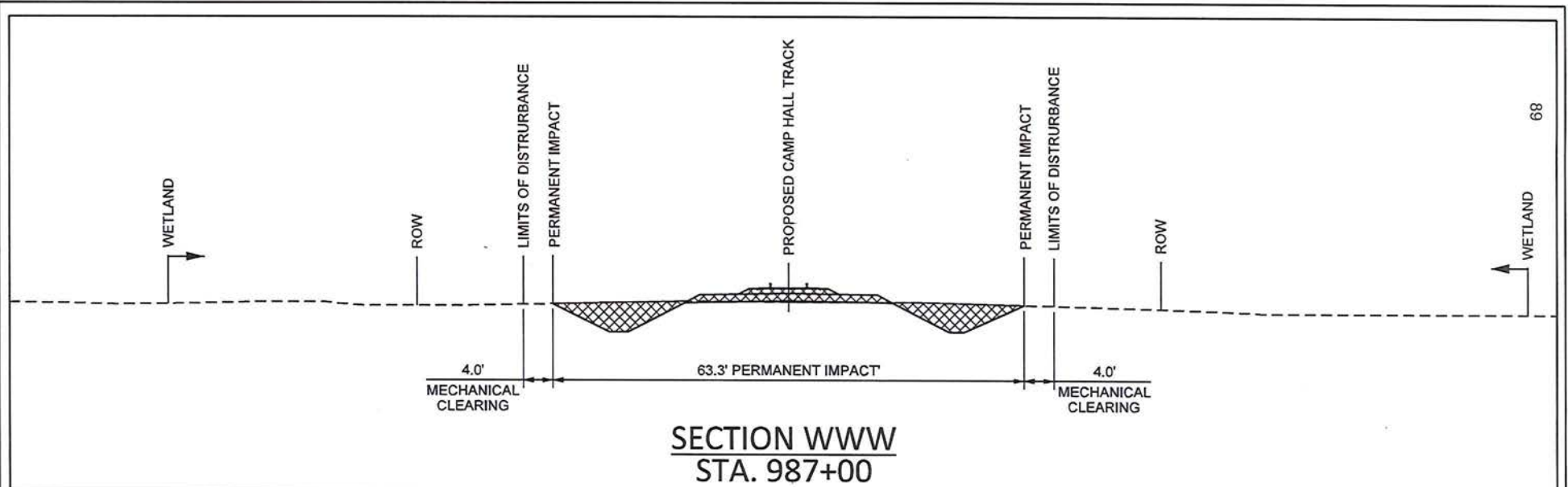


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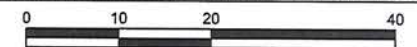


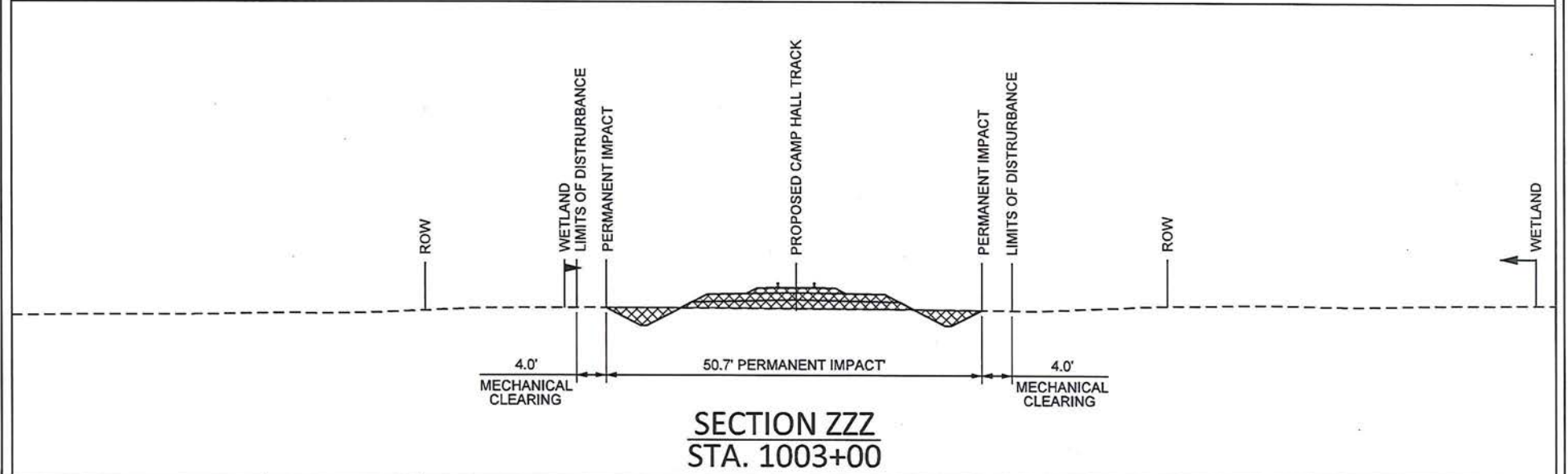
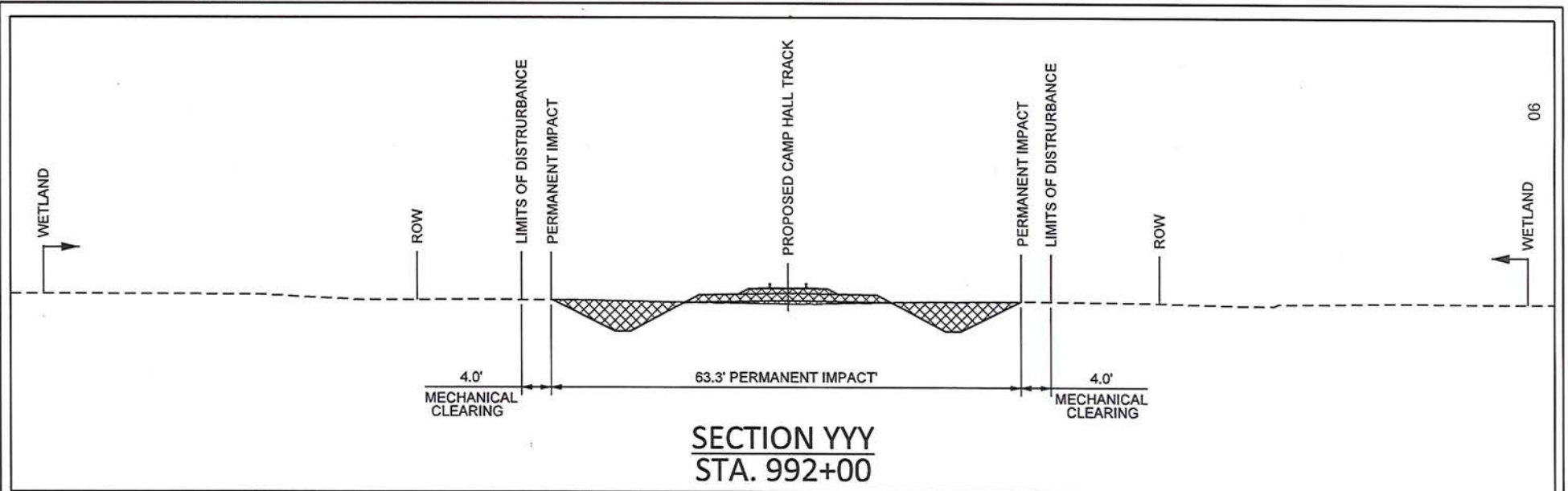
APPLICANT: PALMETTO RAILWAYS



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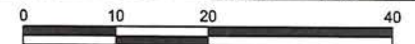


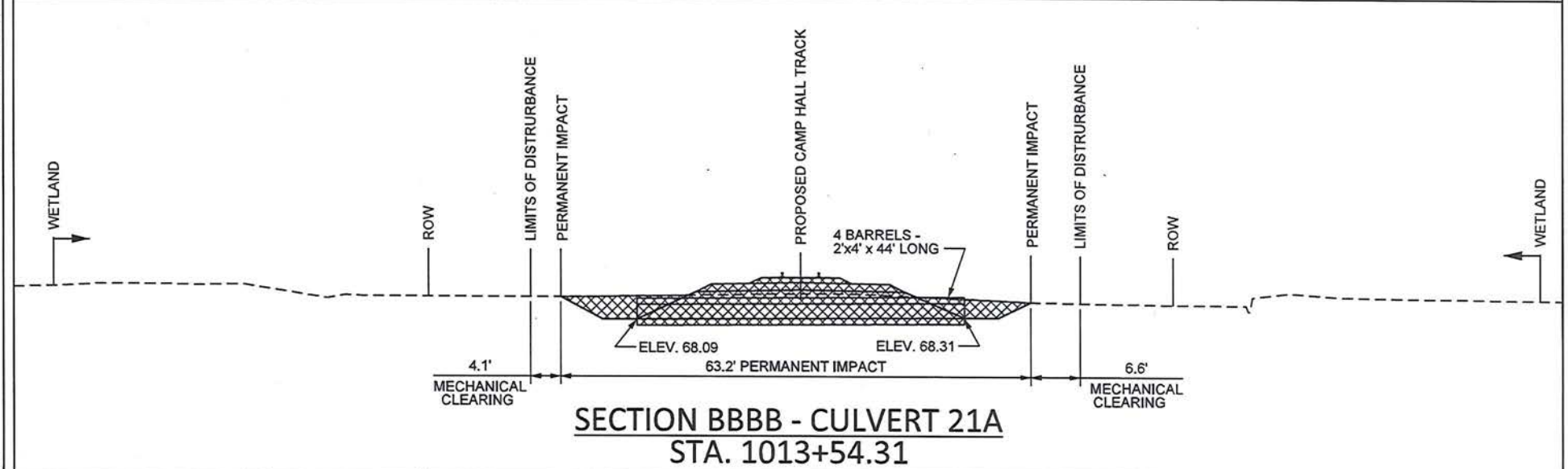
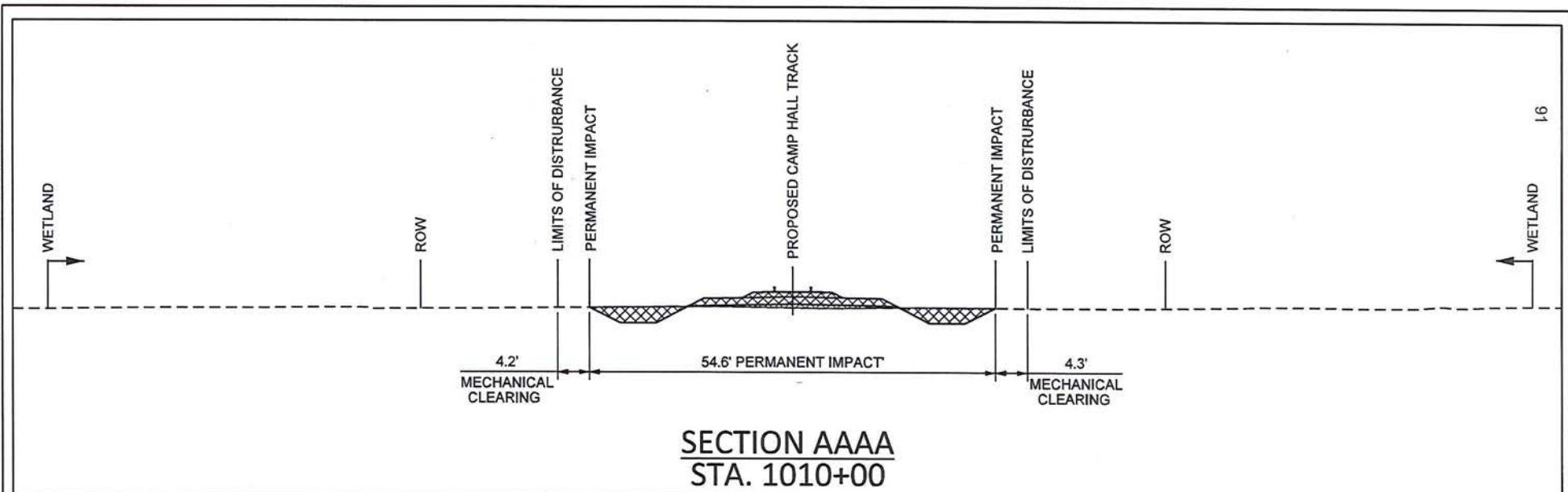
APPLICANT: PALMETTO RAILWAYS



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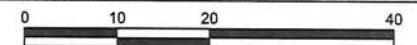
PERMITTED PLANS

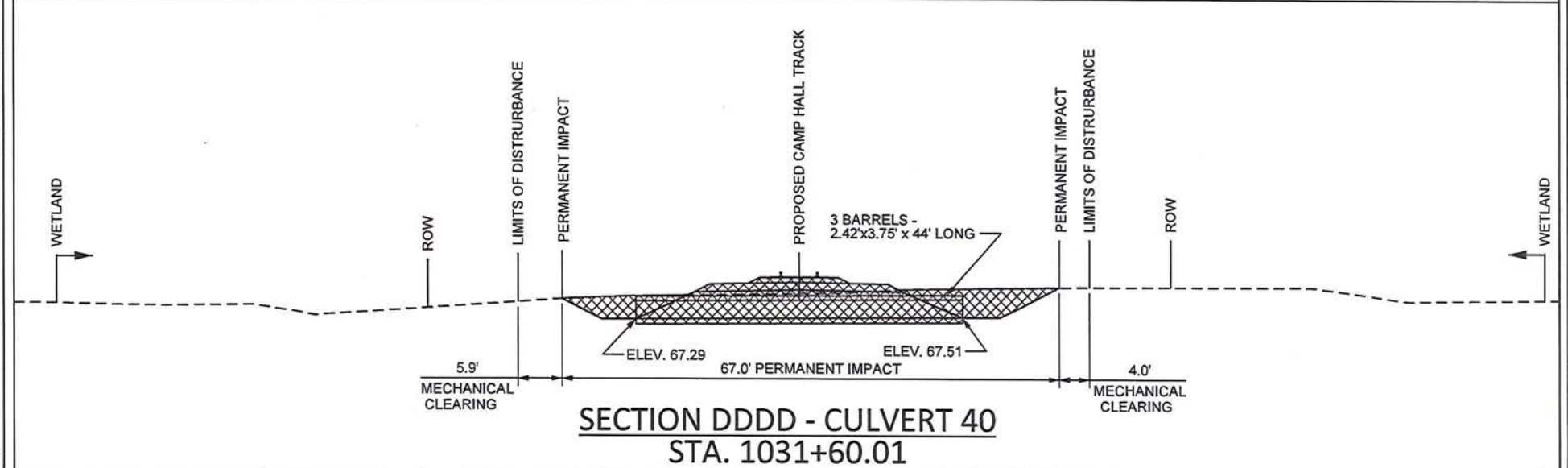
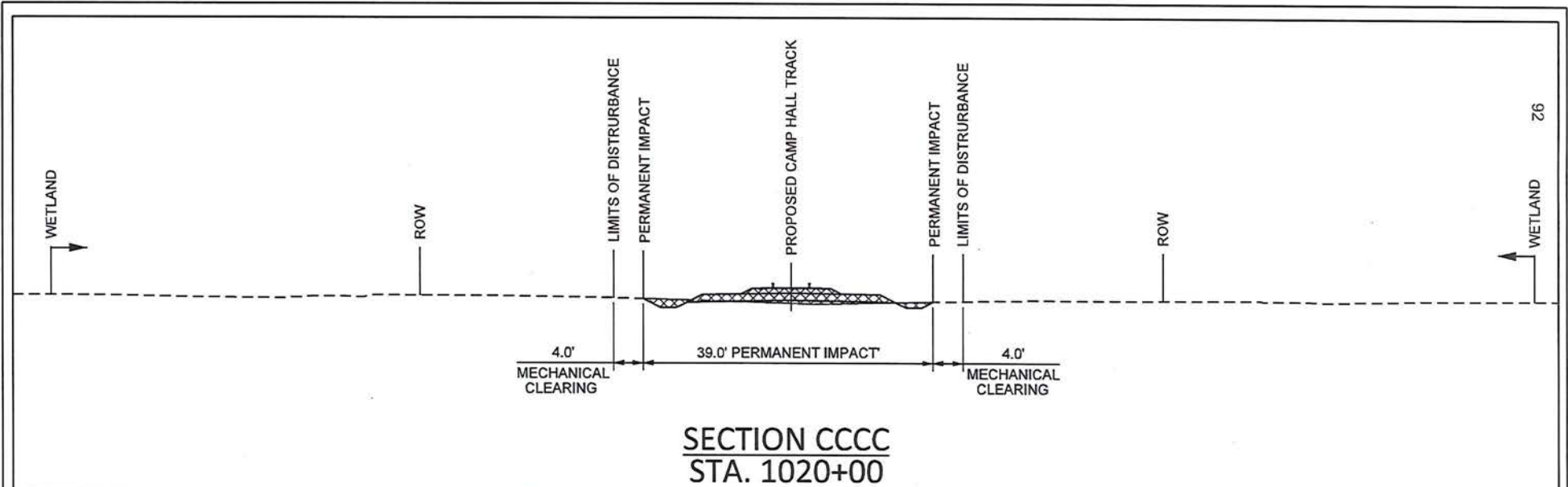


APPLICANT: PALMETTO RAILWAYS



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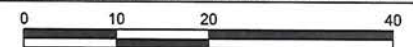
APPLICANT: PALMETTO RAILWAYS

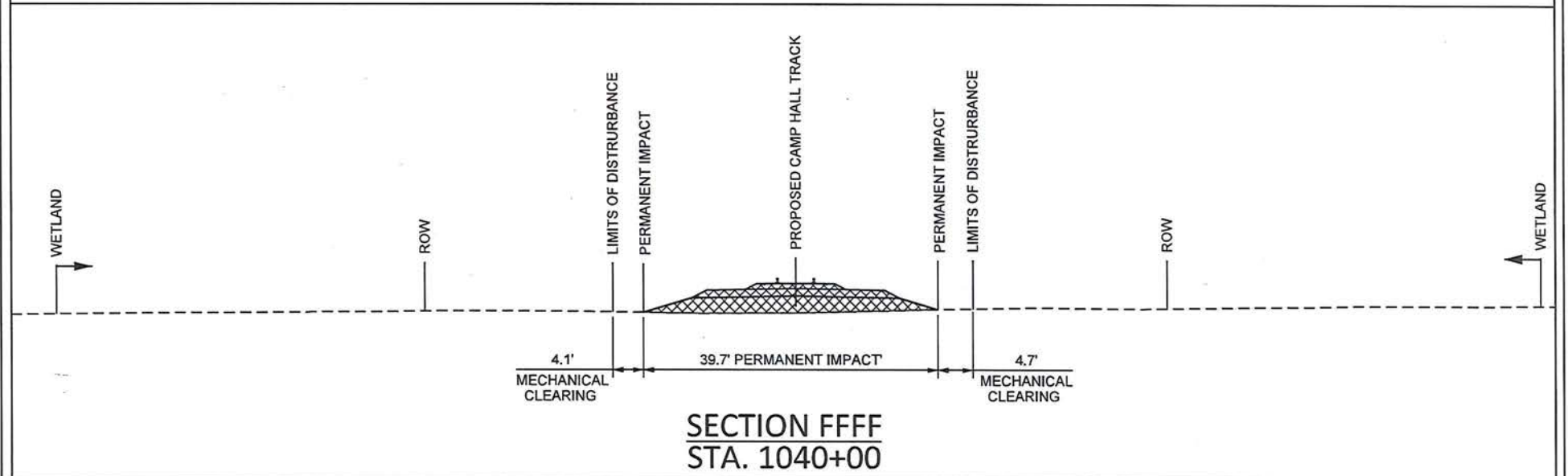
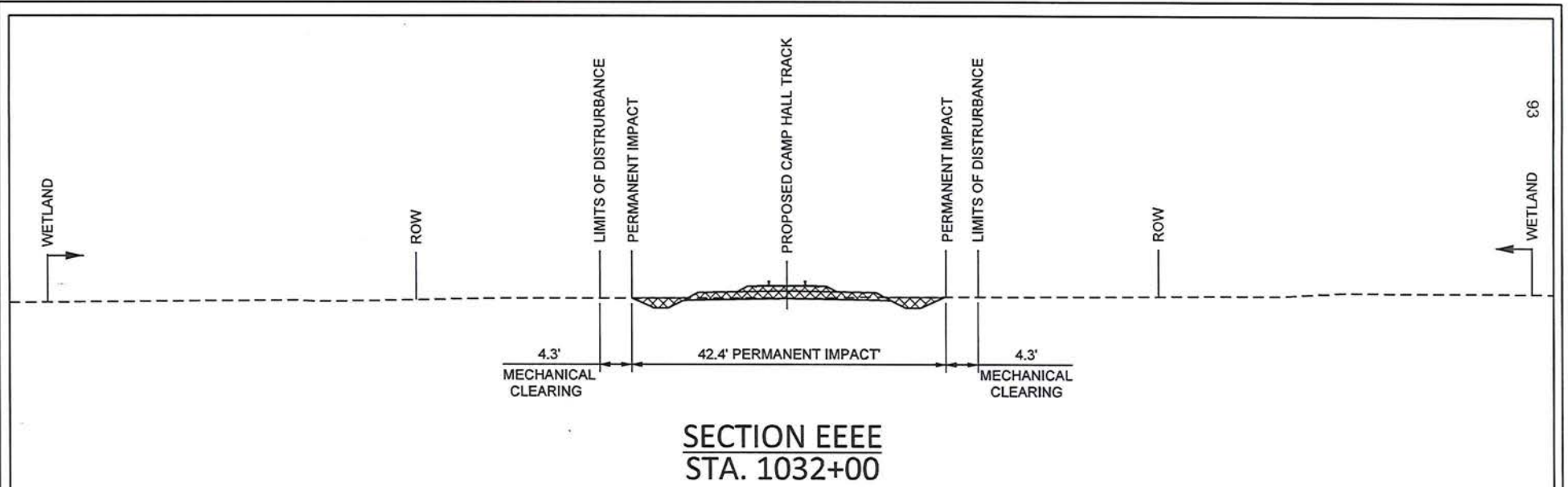


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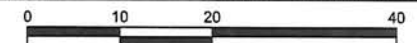
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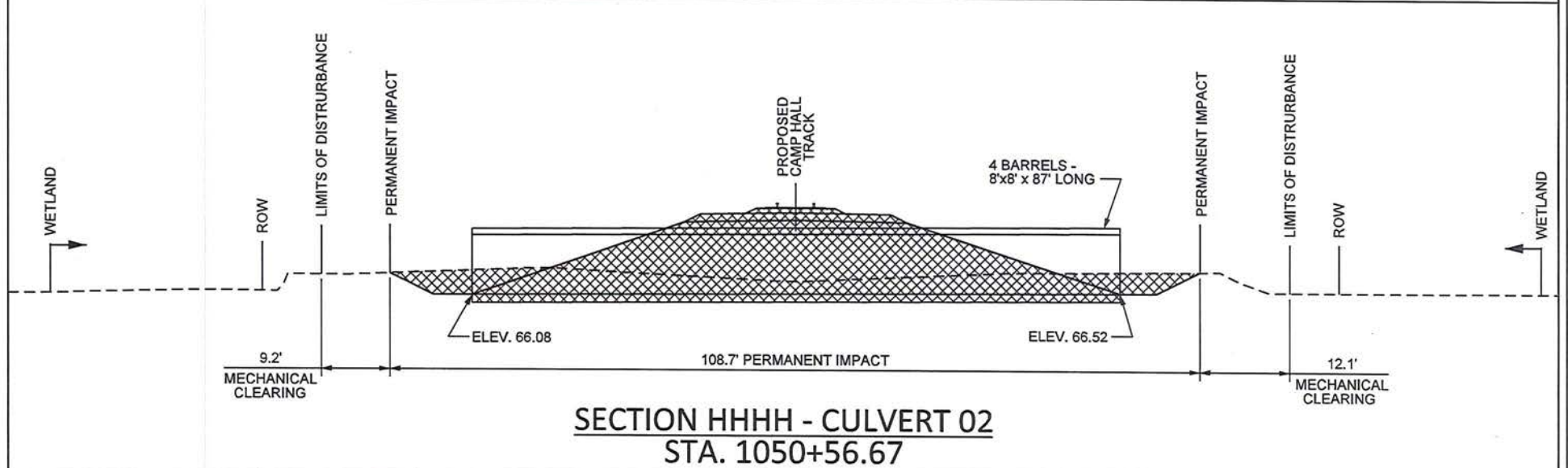
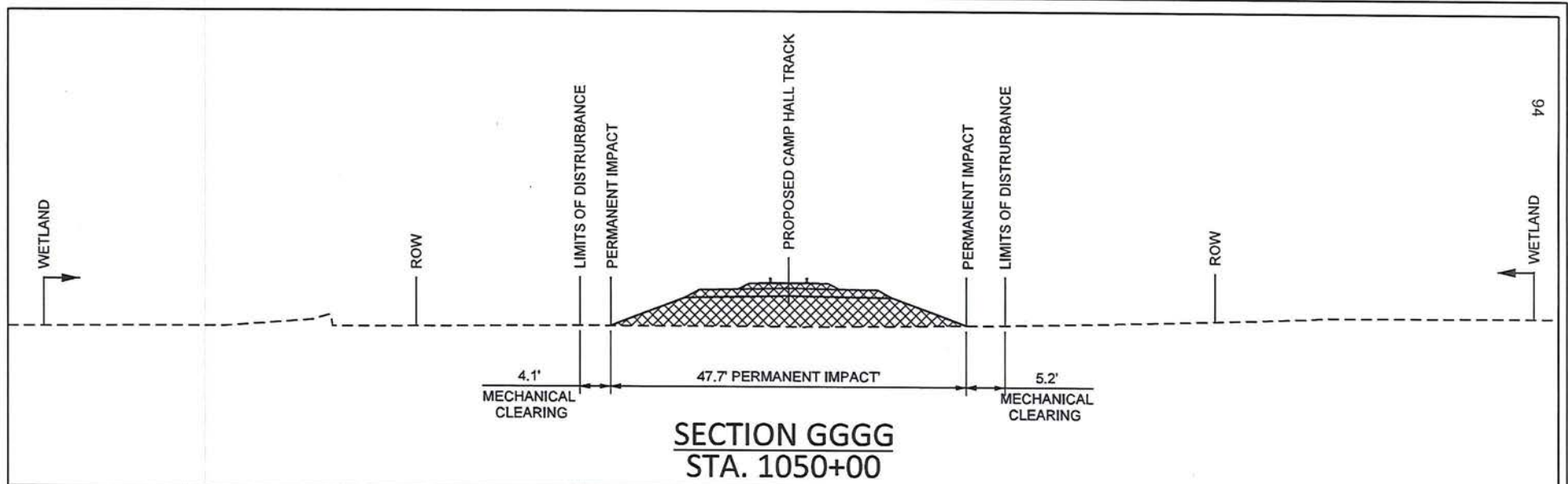


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APPLICANT: PALMETTO RAILWAYS



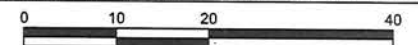
CROSS SECTION SHEET 40 OF 54

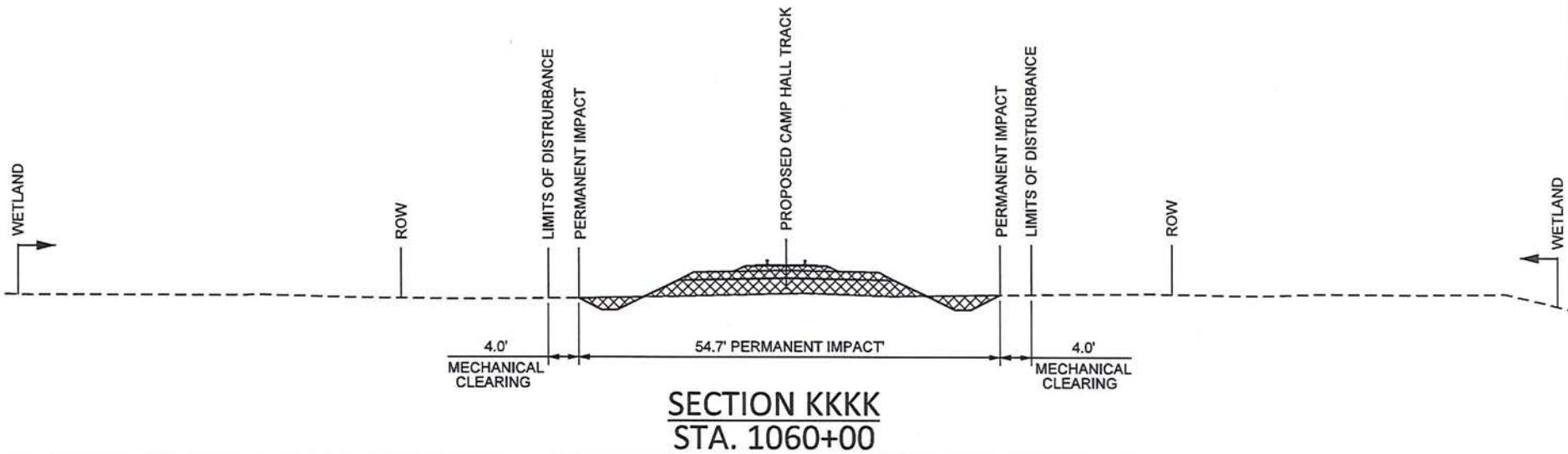
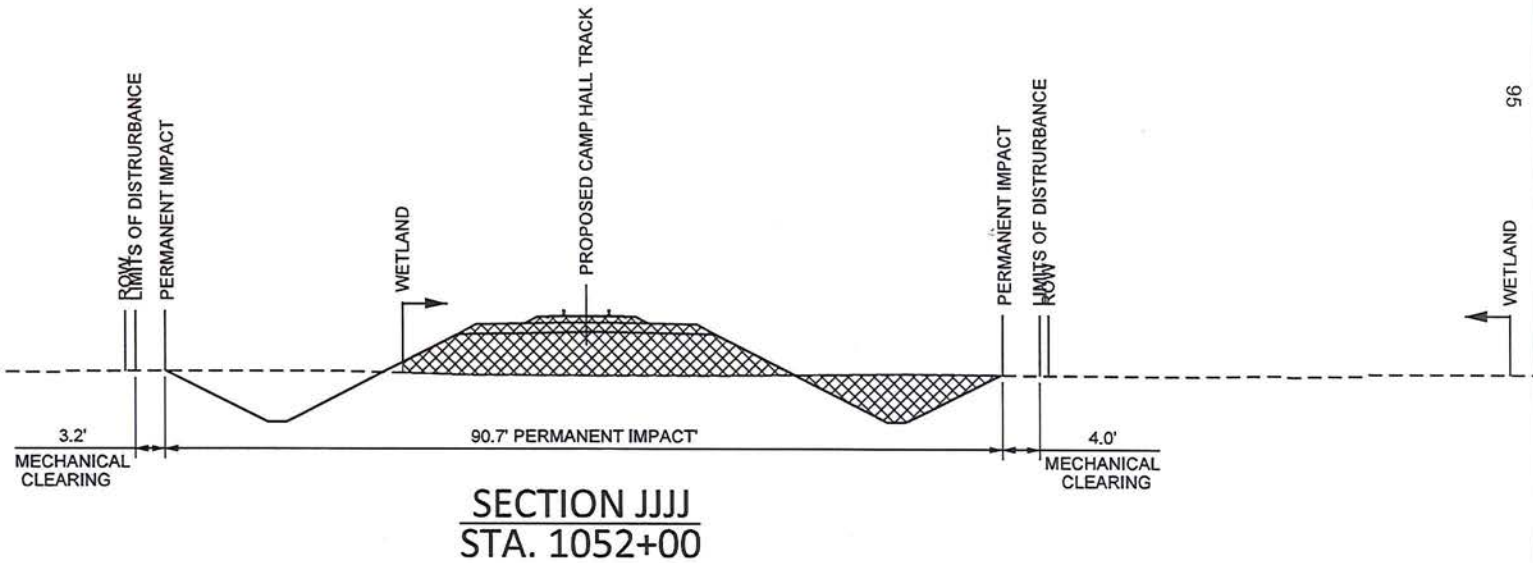
PERMITTED PLANS

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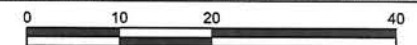
APPLICANT: PALMETTO RAILWAYS

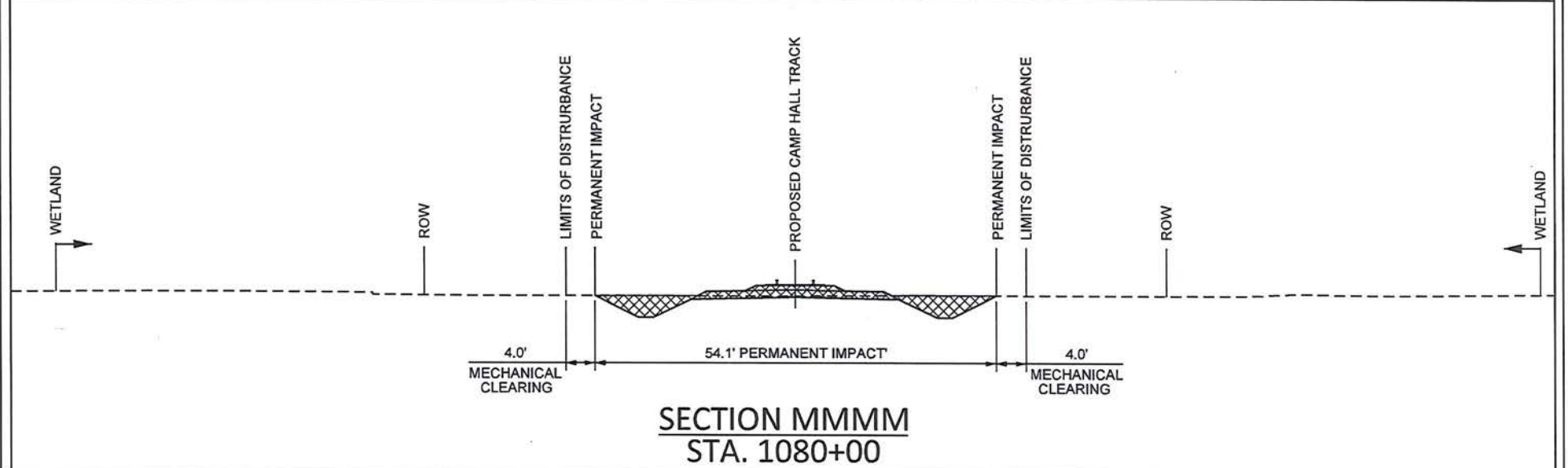
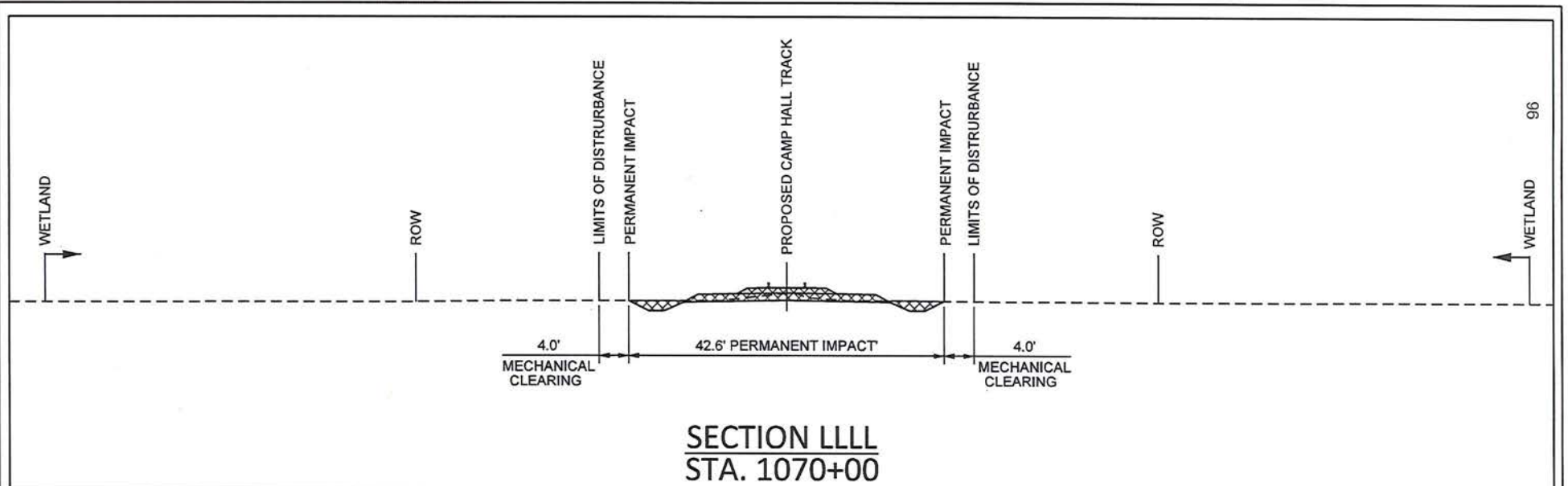


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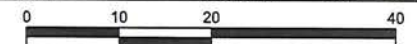
APPLICANT: PALMETTO RAILWAYS

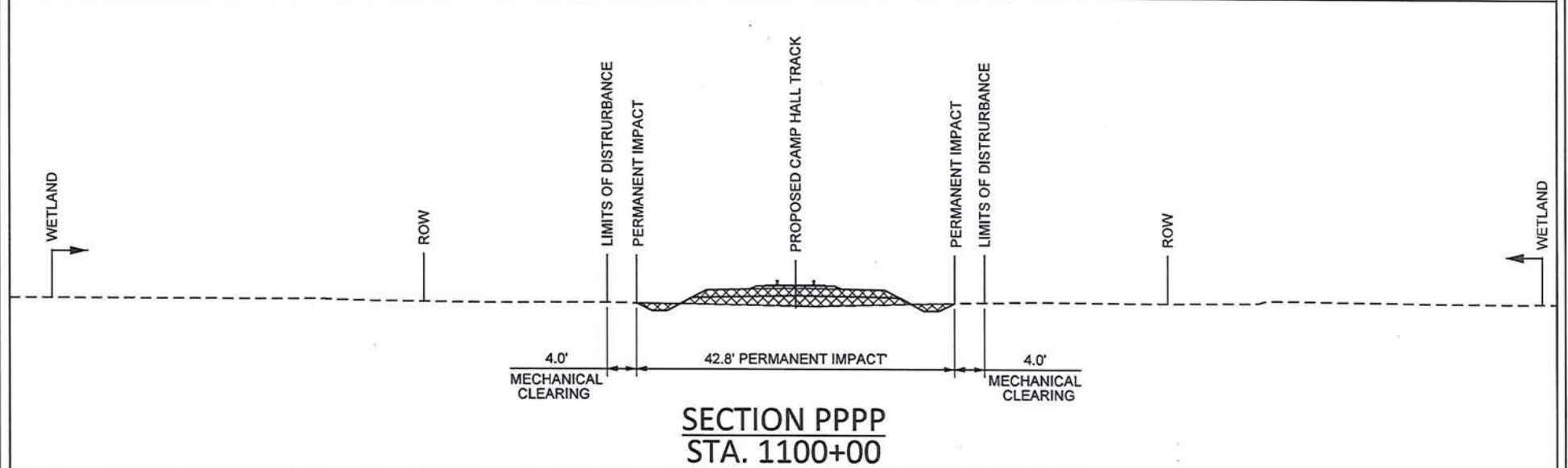
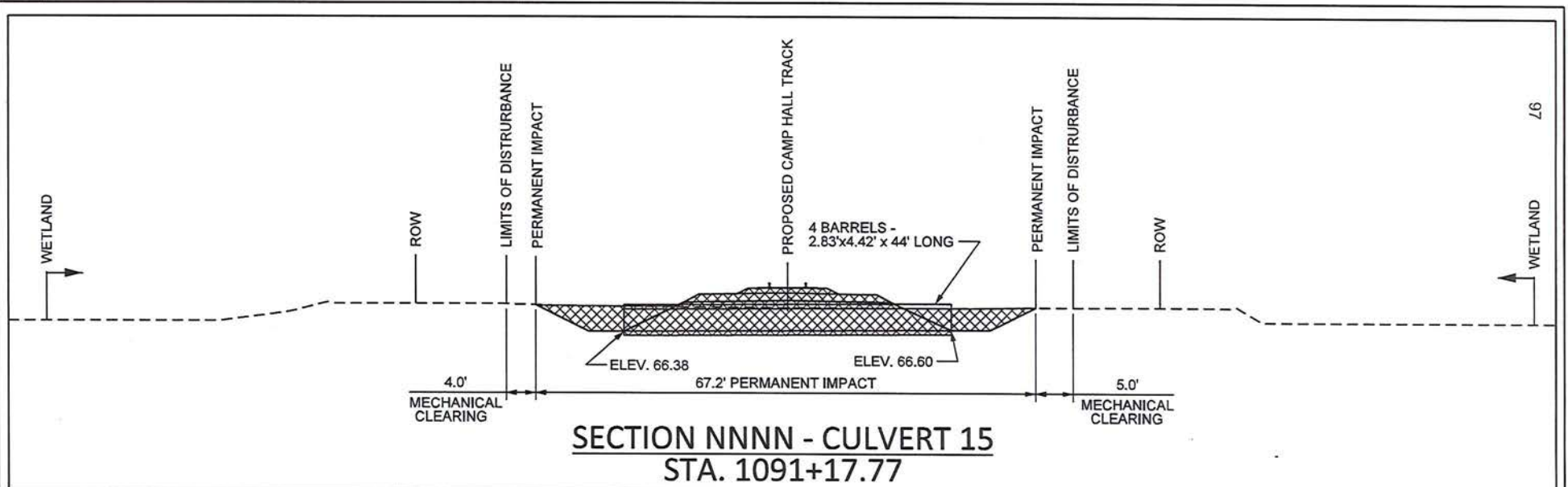


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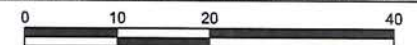


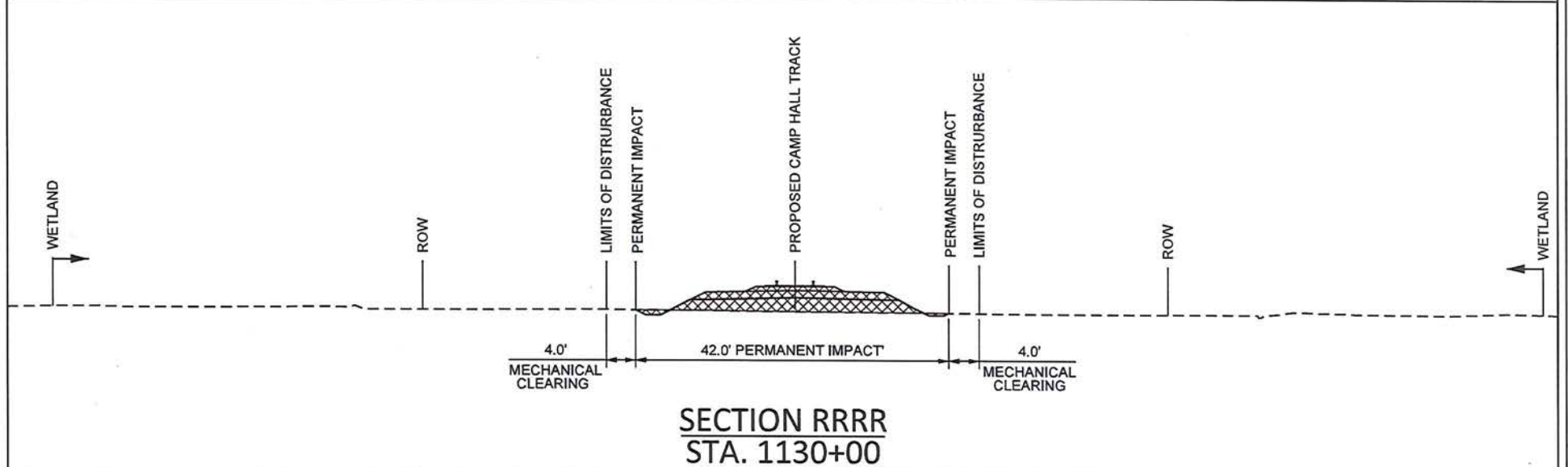
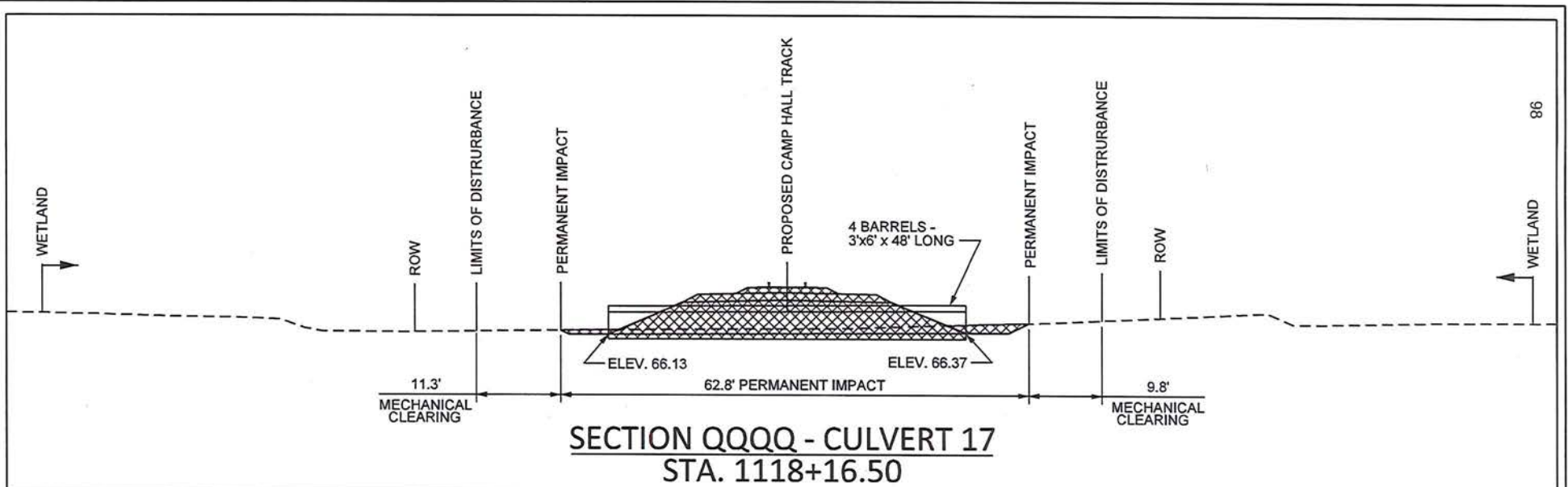
APPLICANT: PALMETTO RAILWAYS



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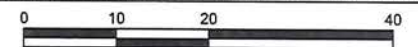
CROSS SECTION SHEET 44 OF 54

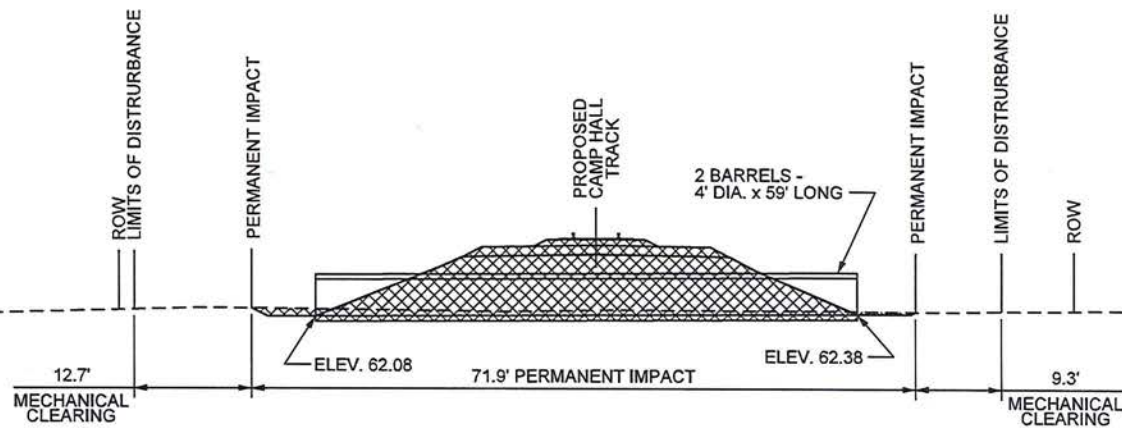
PERMITTED PLANS

PALMETTO RAILWAYS
CAMP HALL RAIL PROJECT
 BERKELEY COUNTY, SOUTH CAROLINA
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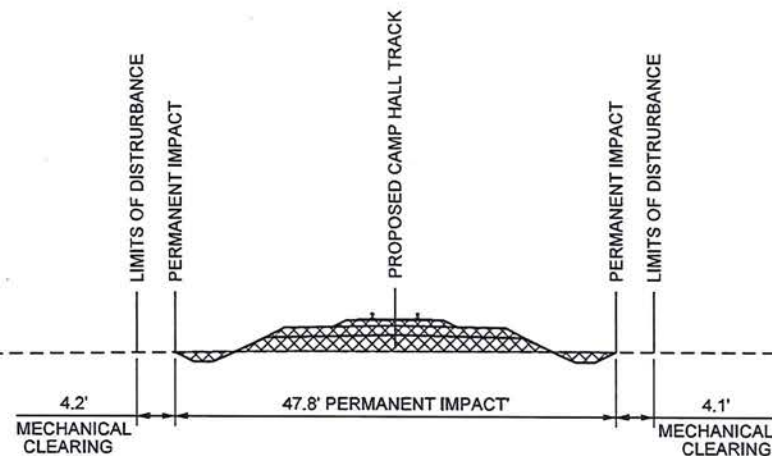
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SECTION SSSS - CULVERT 38
STA. 1142+07.01



SECTION TTTT
STA. 1147+00

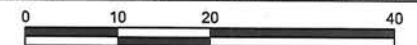


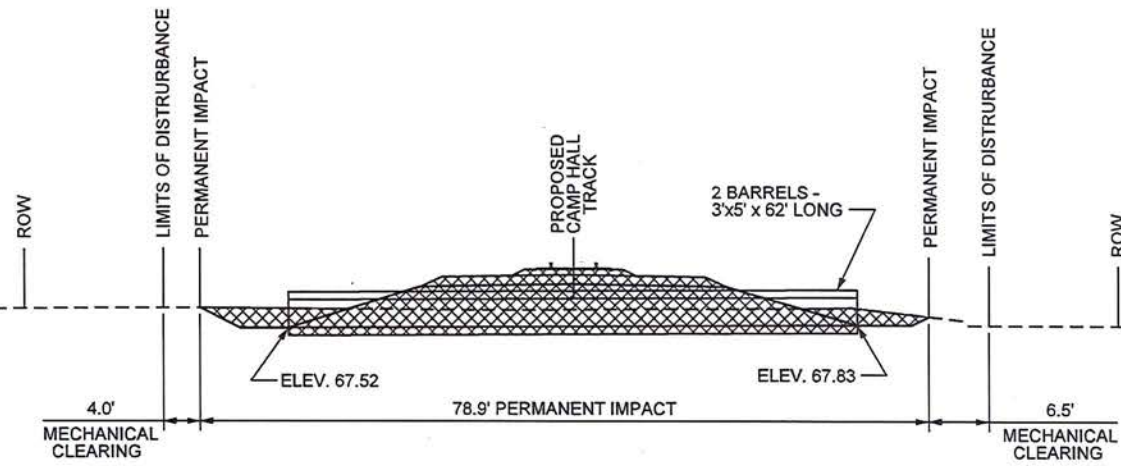
APPLICANT: PALMETTO RAILWAYS



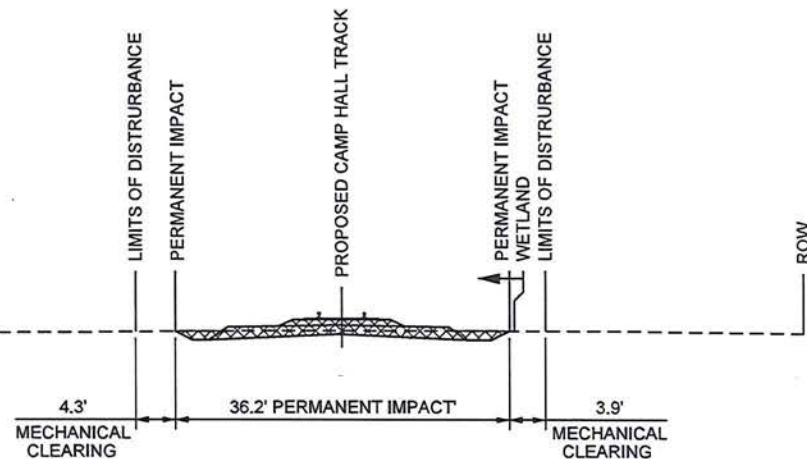
CROSS SECTION SHEET 45 OF 54 **PERMITTED PLANS**

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SECTION UUUU - CULVERT 20
STA. 1149+62.12



SECTION VVVV
STA. 1160+00

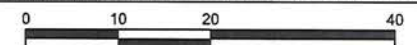


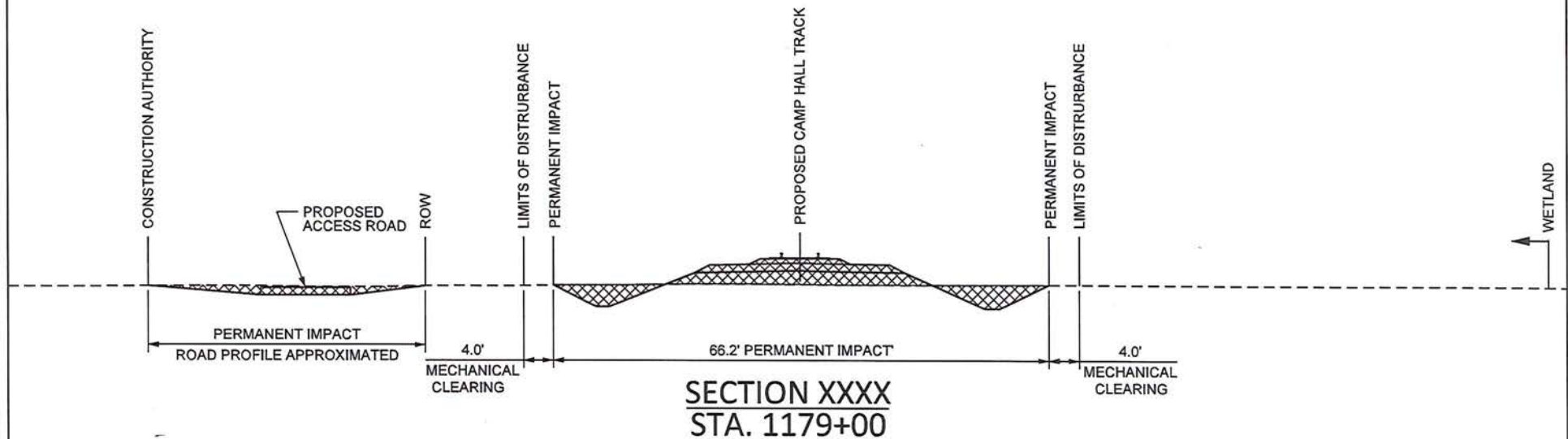
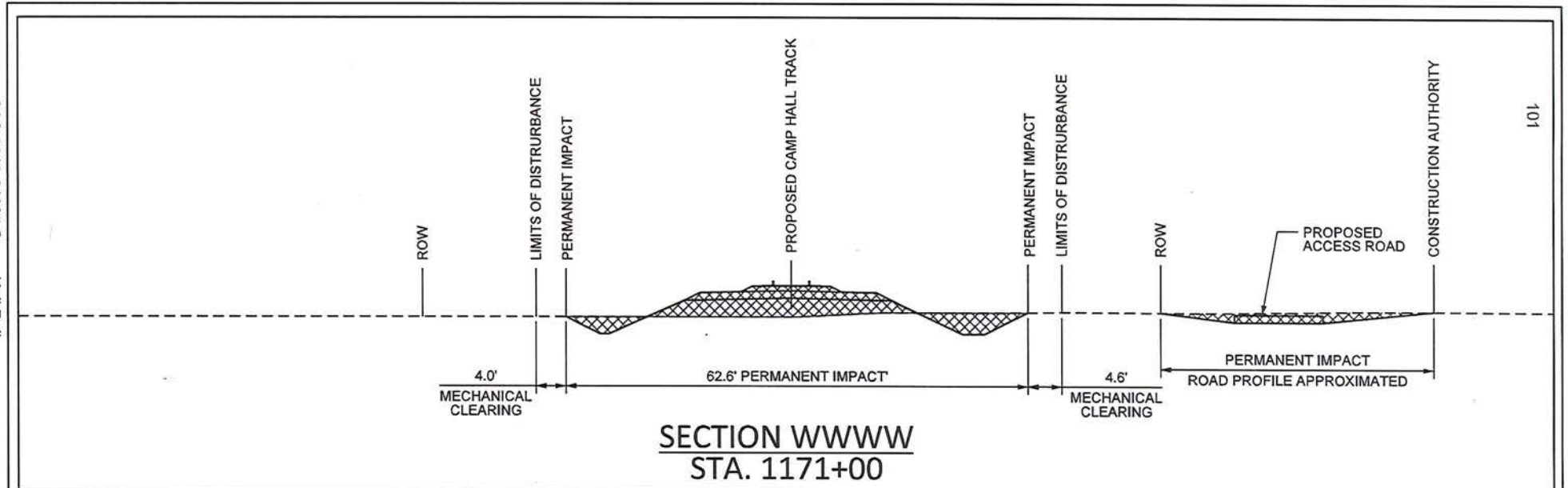
APPLICANT: PALMETTO RAILWAYS



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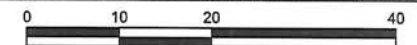
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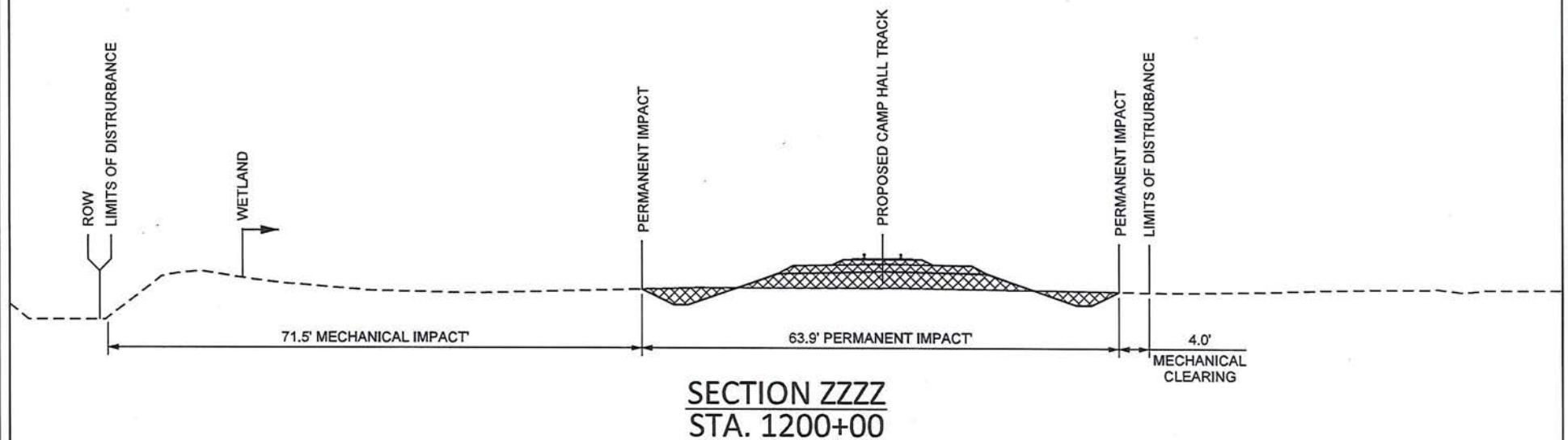
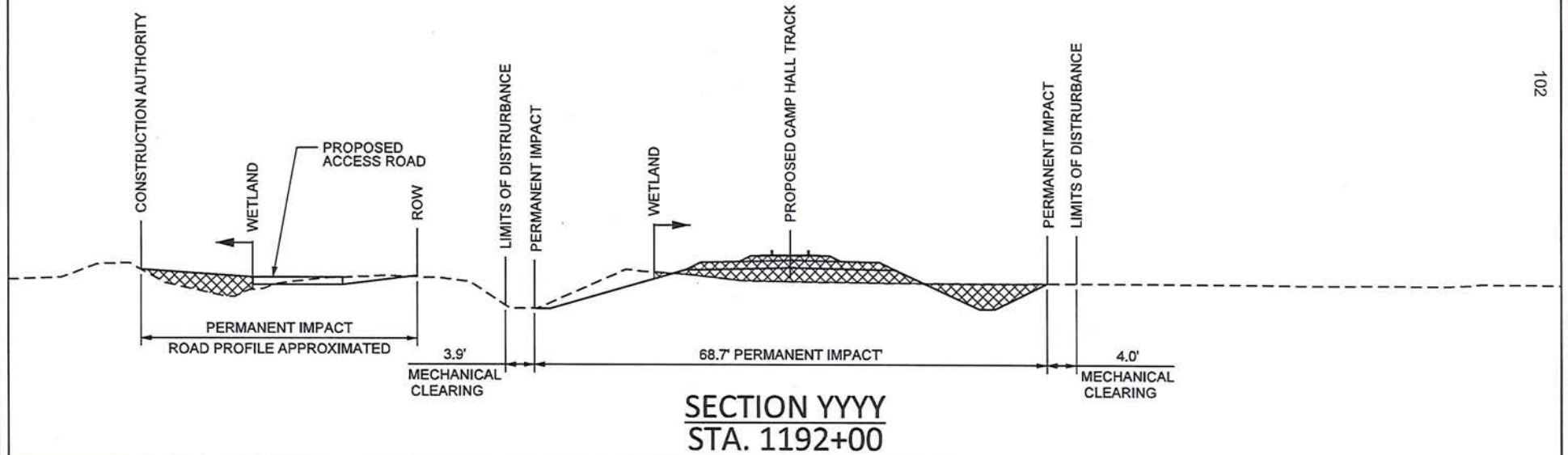


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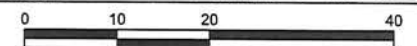
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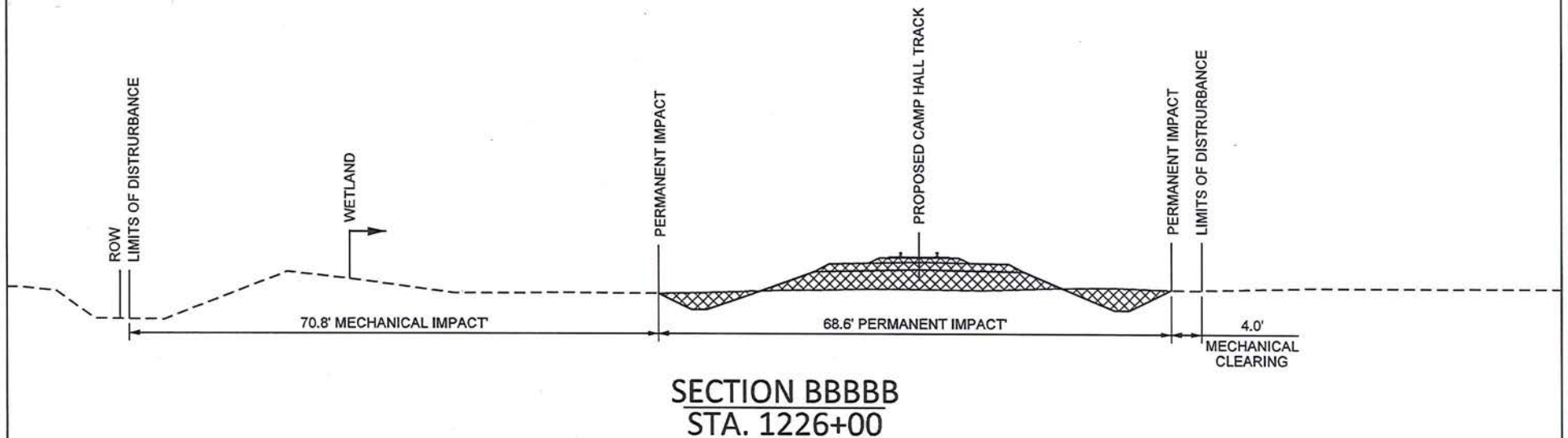
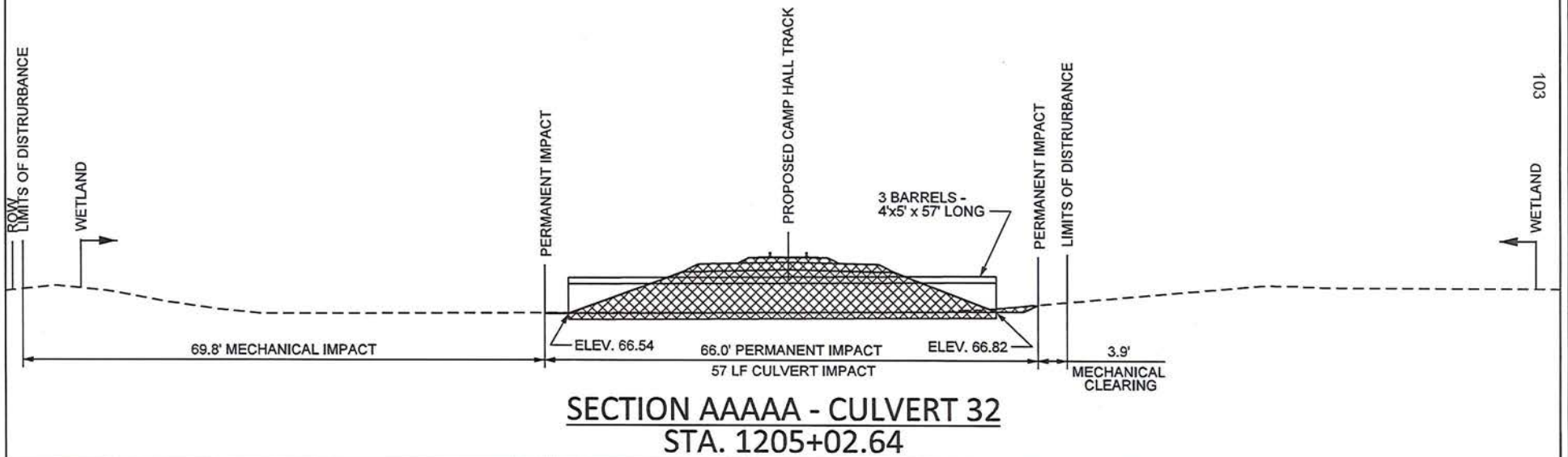


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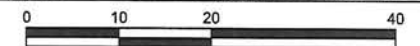
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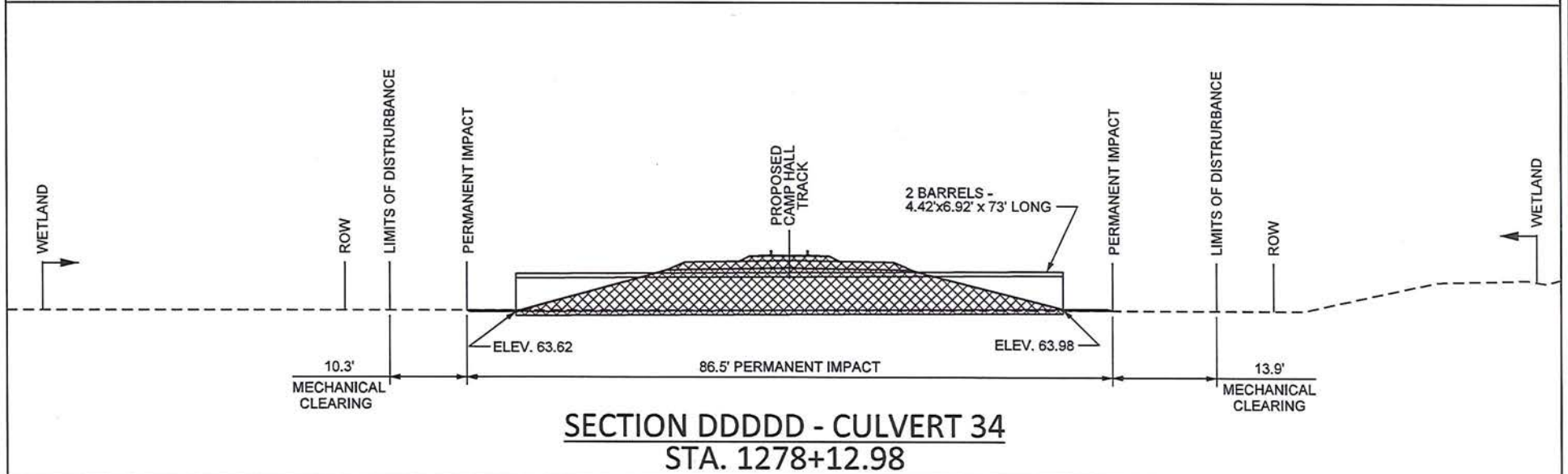
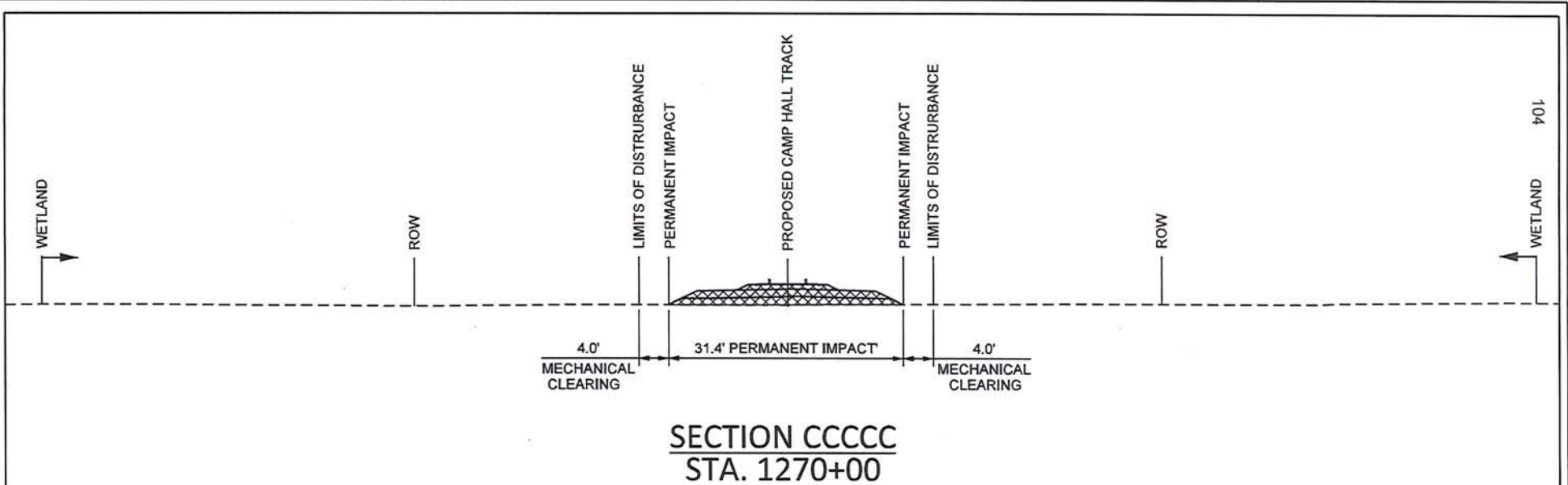


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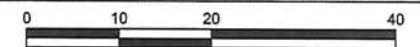
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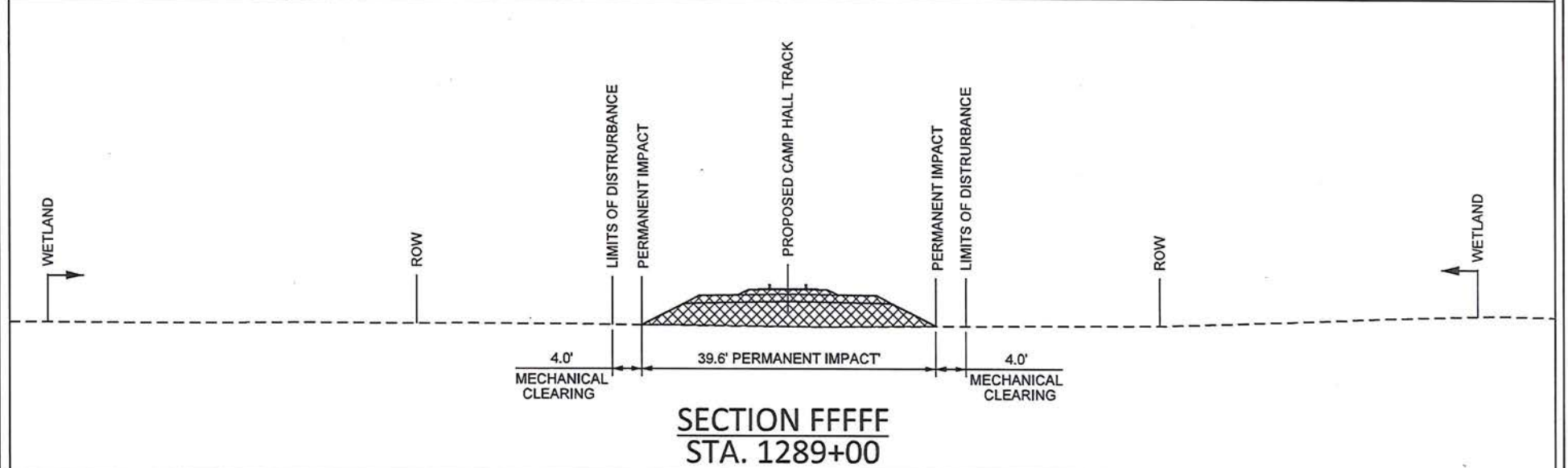
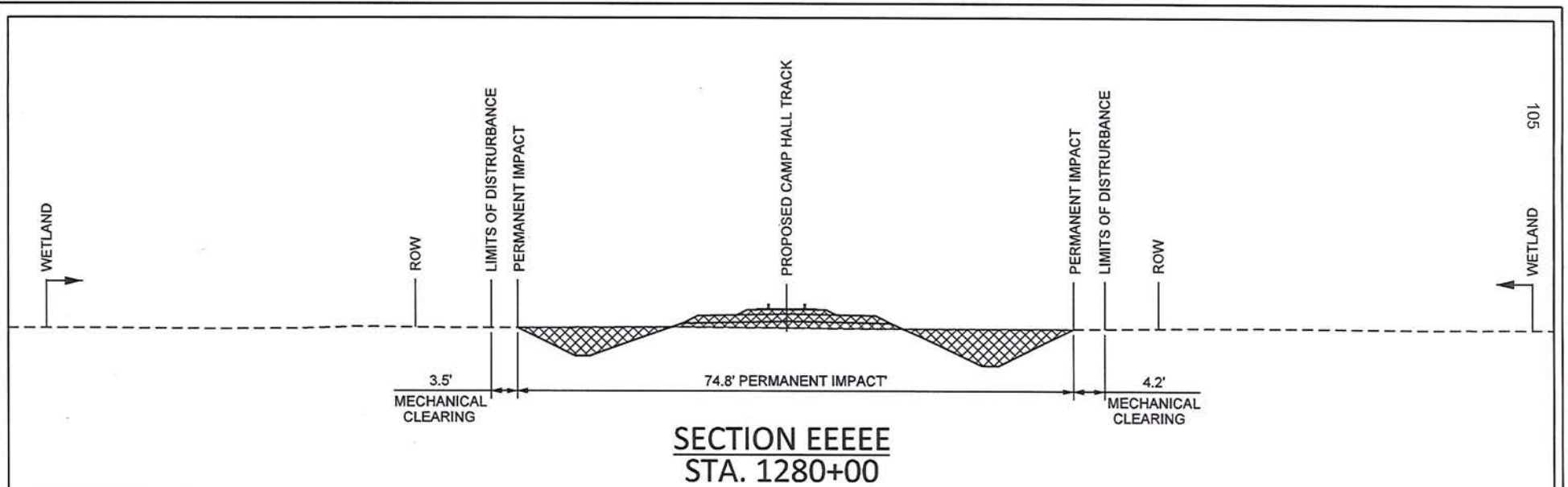


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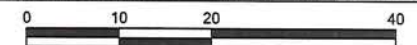


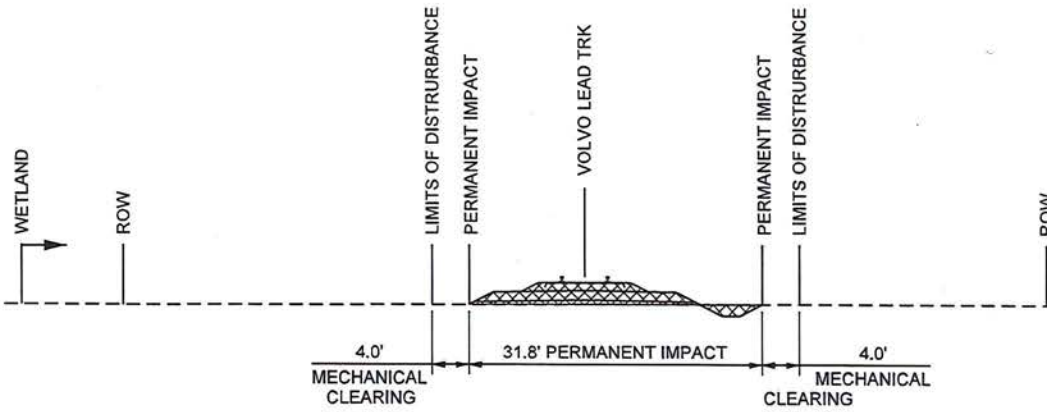
APPLICANT: PALMETTO RAILWAYS



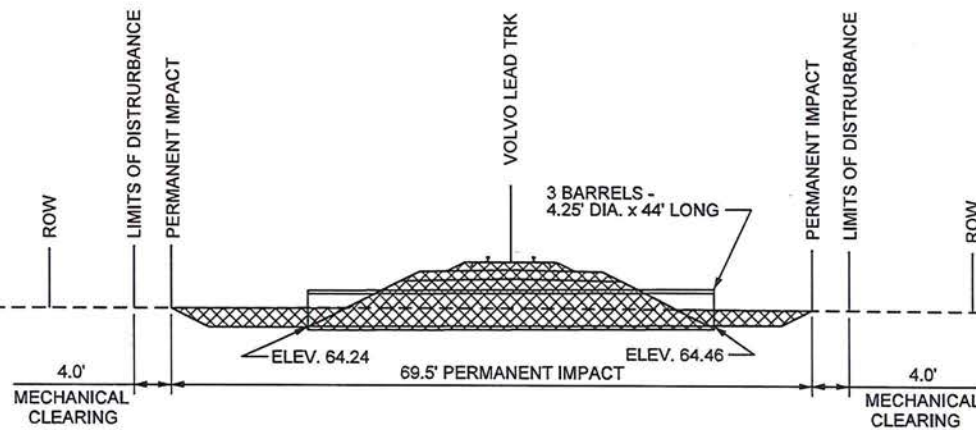
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SECTION GGGGG
STA. 115+00



SECTION HHHHH - VOLVO LEAD CULVERT
STA. 125+10

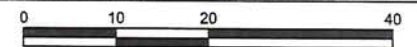


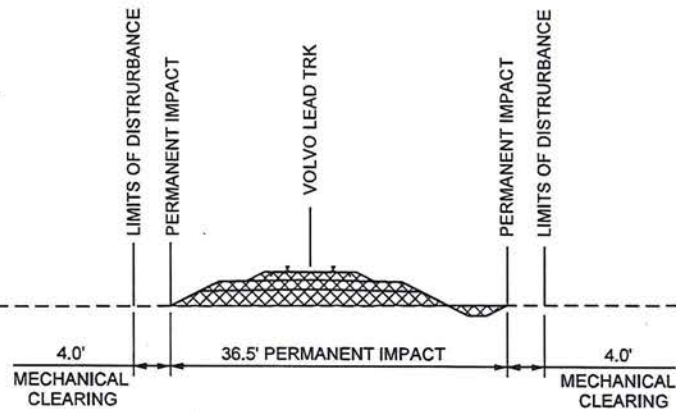
APPLICANT: PALMETTO RAILWAYS



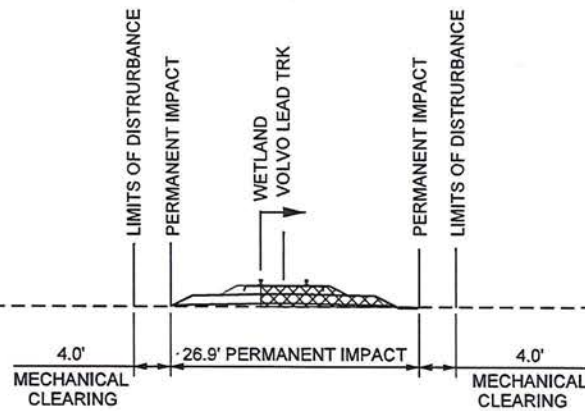
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SECTION JJJJ
STA. 128+00



SECTION KKKK
STA. 149+00

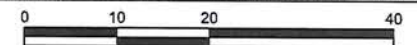
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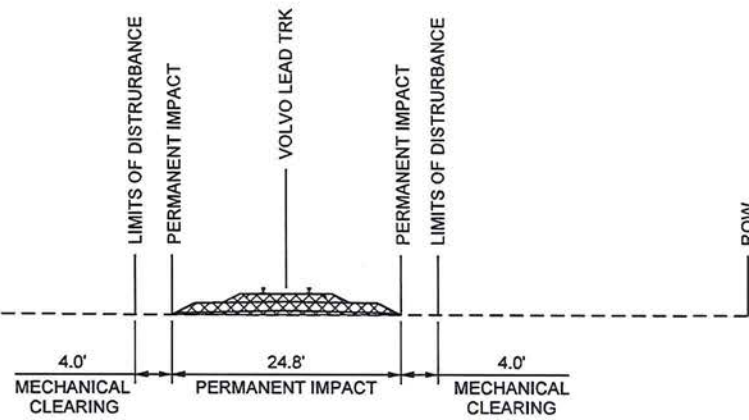


APPLICANT: PALMETTO RAILWAYS



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SECTION LLLLL
STA. 168+00

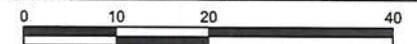


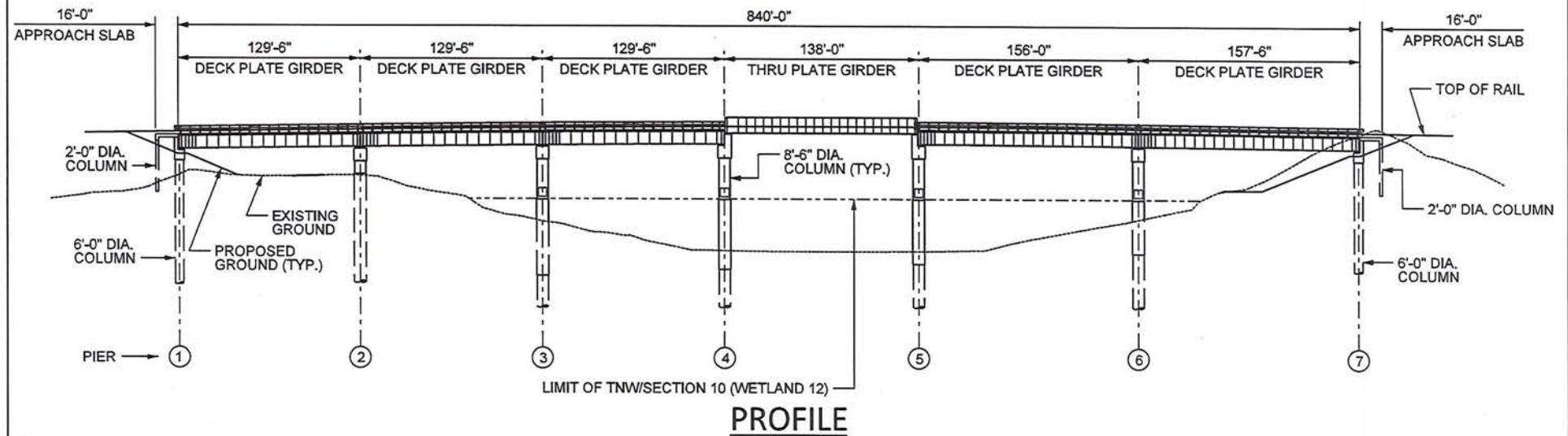
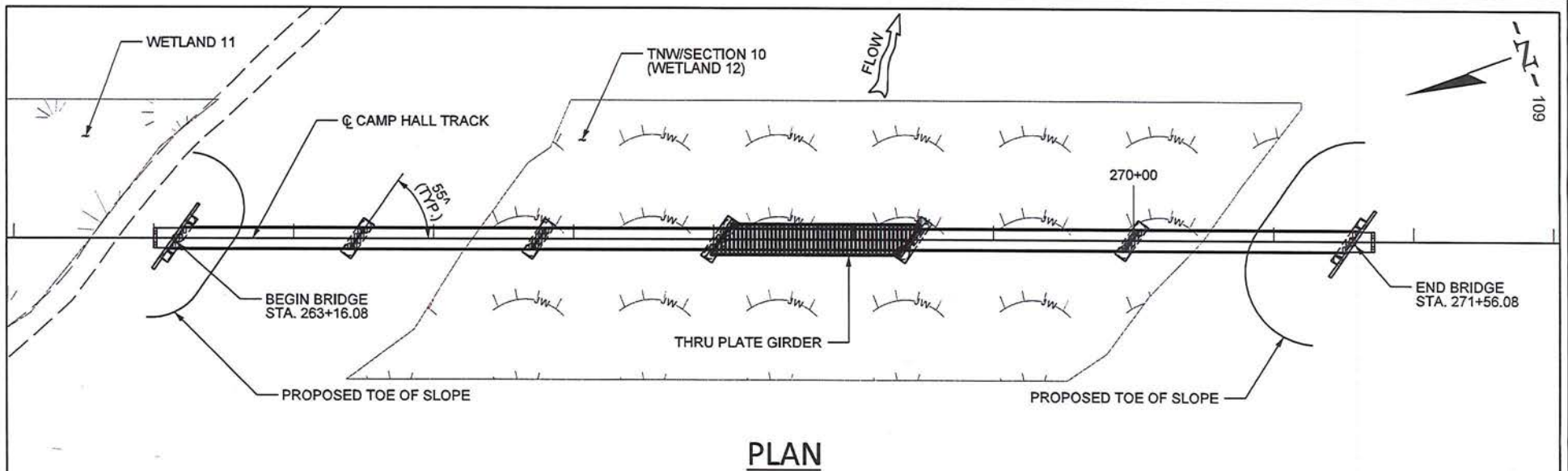
APPLICANT: PALMETTO RAILWAYS



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BRIDGE OVER DIVERSION CANAL

PLAN AND PROFILE

PERMITTED PLANS



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