

**North Carolina Department of Transportation
Roadside Environmental Unit
Erosion & Sedimentation / Stormwater Report**

ICA / PCN

Immediate Corrective Action / Permit Consultation Needed

This project does not comply with the North Carolina Erosion and Sedimentation Control laws. Immediate Corrective Action is needed to resolve the situation to full compliance with the Law: (T15A: 04B.0000). This project does not comply with the permit requirements for the project. Permit consultation is needed to resolve the situation to full compliance.

Project Information

Inspection Date: 05/05/2025 **Evaluator:** Jason Bullard
Project #: 47533.3.3 **TIP #:** I-5987B **Contract #:** C204728
Division #: 6 **County:** Robeson
Project Type: Contract **Engineer:** Fay. Resident-Transportation Dr.
Project Length: 7.96 **Disturbed Acres:** 15
River Basin: Lumber **HQW Zone:** NO **Trout Zone:** NO
Location Description: I-95 from south of NC-20 to south of proposed I-295

Project Evaluation

Report Type: ☐ Routine ☒ ICA ☐ ICA Ex 1st ☐ ICA Ex 2nd ☐ CICA - SWO
 ☒ PCN ☐ ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
7.96	The Entire Project	6	6	6	6	6

Grading Scale: 0 - 6 = Immediate Corrective Action Required, 7 = Fair, 8 = Good, 9 = Very Good, 10 = Excellent

ICA / PCN Comments:

401 permit violations at Sanford St. off of Y-5 will require a meeting with Div. 6 DEO staff, Resident Engineers Office, Contractor, and REU Operations Staff to address violations and develop a plan for recovery and future protection of the Jurisdictional Stream

Remarks and Recommendations:

Met with Jerry Ice, (CEI) during the review. The contractor continues to grade, and place borrow material in various places throughout the project along with the construction of multiple bridges.

During this review I noted three items that warrant an ICA/PCN issued for this project. The items are listed below.

1. There are some items on the NPDES records that have not been completed within the required time frames with some dated back to 2/25/25. There have been multiple discussions with the inspection staff and Resident Engineers Office in the past with these concerns.
2. Within the NPDES record compliance was the removal and replacement of the contaminated Rip Rap Stone Toe Protection from -L- 575+00 to 584+85 (RT) discussed between Roadside Environmental Unit and the contractor on 4/4/25 after the discovery of the removal of the existing E/C devices in the area adjacent to wetland area. There had been multiple recordable sediment losses in this area from previous rain events due to the contaminated stone.
3. During review 5/5/2025 I noted raw earthen material in the jurisdictional stream restricting base flow of stream without standard erosion control protection as directed by plan or BMP manual and in the diversion

ditch where the twin 48 inch RCP pipes were installed on Sanford St off of -Y5- alignment on 4/17/25 which is a direct violation of the 401 permit conditions. A meeting has been requested to discuss the isolation, removal of soil material, and appropriate erosion control protection of the stream.

Some additional recommendations are listed below from the review of the project.

Recommendations:

- L- 574+00 to 584+50 (RT): Replace the contaminated Rip Rap Stone Toe Protection as discussed in previous meetings.
- L- 680+50 to 685+10 & -Y1B RPC- 10+00 to 12+00 (RT): Install the E/C devices in the ditch including inlet protection on the pipe leading into the basin as discussed in the agreement of using the ditch for storage along with the basin.
- Y1B- 35+00 to 37+50 (RT): Install E/C devices in the ditch.
- L- 759+00 (RT): Install inlet protection on the twin 54 inch pipes until the ditches are constructed and E/C devices can be installed per plan.
- L- 790+00 to 800+00 (RT): Provide ground cover on the slope.
- Y1B RPA- 10+00 to 18+00 (RT): Install E/C devices in the ditch.
- Continue to install E/C devices as construction progresses.
- Continue to maintain all E/C devices.
- Continue to maintain NPDES records.

-This project has soil stabilization timeframes of 7 or 14 days. Please refer to sheet EC-4 in the erosion control plans for guidance.

-NPDES records were up to date but with some incomplete items.

NPDES Permit Requirements:

- Inspect E&SC/Storm water measures at least once every 7 days & within 24 hrs. of 1.00 inch of rainfall or more.
- Use an on-site rain gauge or the MPE website. Do not use a combination of the two.
- Maintain a log of rainfall and dates. If there is no rain, record 0.
- Maintain records on site for review by Department and Regulatory personnel.

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Immediate Corrective Action

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Project Information

Inspection Date: 04/09/2025 Evaluator: Justin Davis
Project #: 38932.3.3 TIP #: R-4705 Contract #: C204721
Division #: 1 County: Martin
Project Type: Contract Engineer: Williamston Resident
Project Length: 9.60 Disturbed Acres: 0
River Basin: Tar-Pamlico HQW Zone: NO Trout Zone: NO
Location Description: NC 125 (Prison Camp Rd) from NC 903 to East College Rd

Project Evaluation

Report Type: ☐ Routine ☒ ICA ☐ ICA Ex 1st ☐ ICA Ex 2nd ☐ CICA - SWO
☐ PCN ☐ ECPAR

Length	Section	Installation of BMPs	Maintenance of BMPs	Effectiveness of BMPs	Plan Implementation	Overall Project Evaluation
9.6	The Entire Project	9	9	9	9	9
	Lay down yard	--	--	--	--	9
	Stockpile	--	--	--	--	9
	Permitted Site 16	--	--	--	--	6

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Remarks and Recommendations:

Reviewed Site 16 on 4/9/2025.

ICA Issued for permit violations at Permitted Site 16.

*Items listed on the 4/8/2025 Agency Review have not been handled fully.

*Due to the Turbidity violation(tested at 349) and lack of EC measures at a JS, I am issuing the ICA.

*ALL items listed will be expected complete within 5 days.

*I will review site 16 and then decide if ICA will be lifted or not.

-Silt Fence has been installed but it needs to be adjusted and extended.

-The silt fence should run over the ditch pipes and the culvert pipe as close to the rip rap as possible. It should look like a horseshoe.

-The bare areas within the silt fence and open waters of the JS, need to be matted with coir fiber matting.

-In both ditchlines, north and south of culvert pipe, add a wattle. Use the Wattle for PAM application.

-In the ditchlines leading to the JS. Should have a wattle, then a rock check, ditch pipe with rip rap and then the JS.

- Bare areas within 25 ft of JS slope or open waters, need to matted with coir fiber matting.
- Bare areas outside of the 25 ft zone, can be matted or covered with straw.
- Inlets to the JS should be verified as closed off or covered with hardware cloth and stone.
- Install additional wattles as needed to the inlets.
- Wattles and other EC devices are not allowed in the JS.
- CAREFULLY remove any accumulated sediment in the JS.

Agency Review on 4/8/2025.

- Rode through the project, reviewed permitted sites 16 and 17 and mitigation site.
- Reviewed the mitigation site that had been mowed. Suggested to try and get more signs installed to help alert the mowers. *NO MOW"
- Flags and stakes have been put out to delineate the mitigation site.
- Option will be to buy back the mitigation area that has been affected.

Permitted Site 16

- There was sediment in the JS. This needs to be cleaned up carefully!
- No silt fence around the pipe. There needs to be protection around the pipe to prevent sediment loss.
- Rip Rap has been installed around the pipe and the ditch culvert pipes.
- There is no protection north of the ditch pipe. Add a rock check in the ditch line. Add matting or a wattle to put PAM out. *Ditch was cut on 4/8/2025.*
- There has been a rock check installed on the south end of the ditch pipe. Add matting or a wattle to put PAM out.
- *Garcy pulled a sample at the Pipe of the JS. Turbidity read at 349. 7 times the limit.
- The above requests and suggestions were spoke with to the Inspector-Jason Roberson on 4/8/2025.

-Section 2-Lay down/Storage Area-Asphalt Plant

- Has been cleaned up.
- Looks fine.
- Has Owner Approval been given yet? Letter of Approval?

-Section 3-Stockpile by DOT Yard

- Reclamation plan and signature page have been received.
- Active site.
- Continue to maintain EC devices.

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Remarks and Recommendations:

ICA was issued on 4/9/2025 for permitted site 16.
 -I reviewed the site on 4/10/2025.
 -ALL of the issues listed below have been handled within 24 hours.
 I AM LIFTING THE ICA
 -The silt fence has been adjusted and extended. Looks good.
 -The bare areas have been covered with coir fiber matting.
 -The ditchlines have EC devices installed per request.
 -PAM has been added to the wattles.
 -The material was recovered from the JS. Looks fine.
 -Inlets have been beefed up with stone and hardware cloth.
 -The water in the JS looked clear.

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