

ANNUAL REPORT FOR 2014



**US 158 Temporary Impact Site
Camden County
TIP No. R-2414A
CAMA permit No. 03-09**



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SUMMARY

The US 158 temporary impact site (R-2414A) is located in Camden County. This is an annual report for temporary impacts associated with the construction of the R-2414A US 158 widening. The project was accepted as completed on March 11, 2012.

The temporary impacts to CAMA wetlands encompass approximately 0.25 acres (0.07 on roadway temporary impacts and 0.18 on utility temporary impacts). The temporarily impacted areas are being monitored to ensure that it re-attains its pre-project wetland functions. No hydrologic monitoring is required for this site; however, vegetation monitoring is required within three years of the project completion.

After the first year of monitoring, the US 158 temporary impact site shows by visual observation that the temporarily impacted areas have re-attained their pre-project wetland functions.

NCDOT proposes to discontinue vegetation monitoring at the US 158 temporary impact site.

1.0 INTRODUCTION

1.1 Project Description

The US 158 temporary impact site (R-2414A) is located in Camden County. This is an annual report for temporary impacts to CAMA wetlands associated with the US 158 widening project (Figure 1).

1.2 Purpose

In order for a temporarily impacted site to be considered successful, the site must re-attain pre-project wetland functions. This report details the vegetation monitoring in 2014 at the US 158 temporary impact site. Hydrologic monitoring was not required for this site.

1.3 Project History

March 2012	Project Accepted As Complete
May 2014	Vegetation Monitoring (Year 1)

2.0 VEGETATION: US 158 TEMPORARY IMPACT SITE (YEAR 1 MONITORING)

2.1 Success Criteria

Due to the possibility that compaction, mechanized clearing and/or other site alterations might prevent the temporary Coastal Wetland impact areas from re-attaining pre-project wetland functions, the permittee shall provide an annual update of the Coastal Wetland areas temporarily impacted by this project. This annual update shall consist of photographs and a brief written report on the progress of these temporarily impacted areas in re-attaining their pre-project wetland functions. Within three years after the project completion, the permittee shall hold an agency field meeting with NC Division of Coastal Management (DCM) to determine if the Coastal Wetland areas temporarily impacted by this project have re-attained pre-project wetland functions. If at the end of three years DCM determines that the Coastal Wetland areas temporarily impacted by the project have not re-attained pre-project wetland functions, DCM will determine whether compensatory wetland mitigation shall be required.

2.2 Description of Species

There were no species planted for the temporary impacts. The temporarily impacted areas were left to re-vegetate naturally.

2.3 Results of Vegetation Monitoring

The temporary impact areas where hand clearing occurred are naturally re-vegetating with a variety of wetland species. Some of the species noted on site included cattail, *Juncus* sp., black willow, phragmites, *Scirpus* sp., fern, sweetgum, red maple, bay, wax myrtle, *Sagittaria* sp., and various other wetland species.

2.4 Conclusions

There were approximately 0.25 acres of temporary impacts on site. By visual observation the US 158 temporary impact site shows that natural re-vegetation is occurring and that the impacted areas are re-attaining their pre-project wetland functions.

3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

NCDOT proposes to discontinue vegetation monitoring at the US 158 temporary impact site.

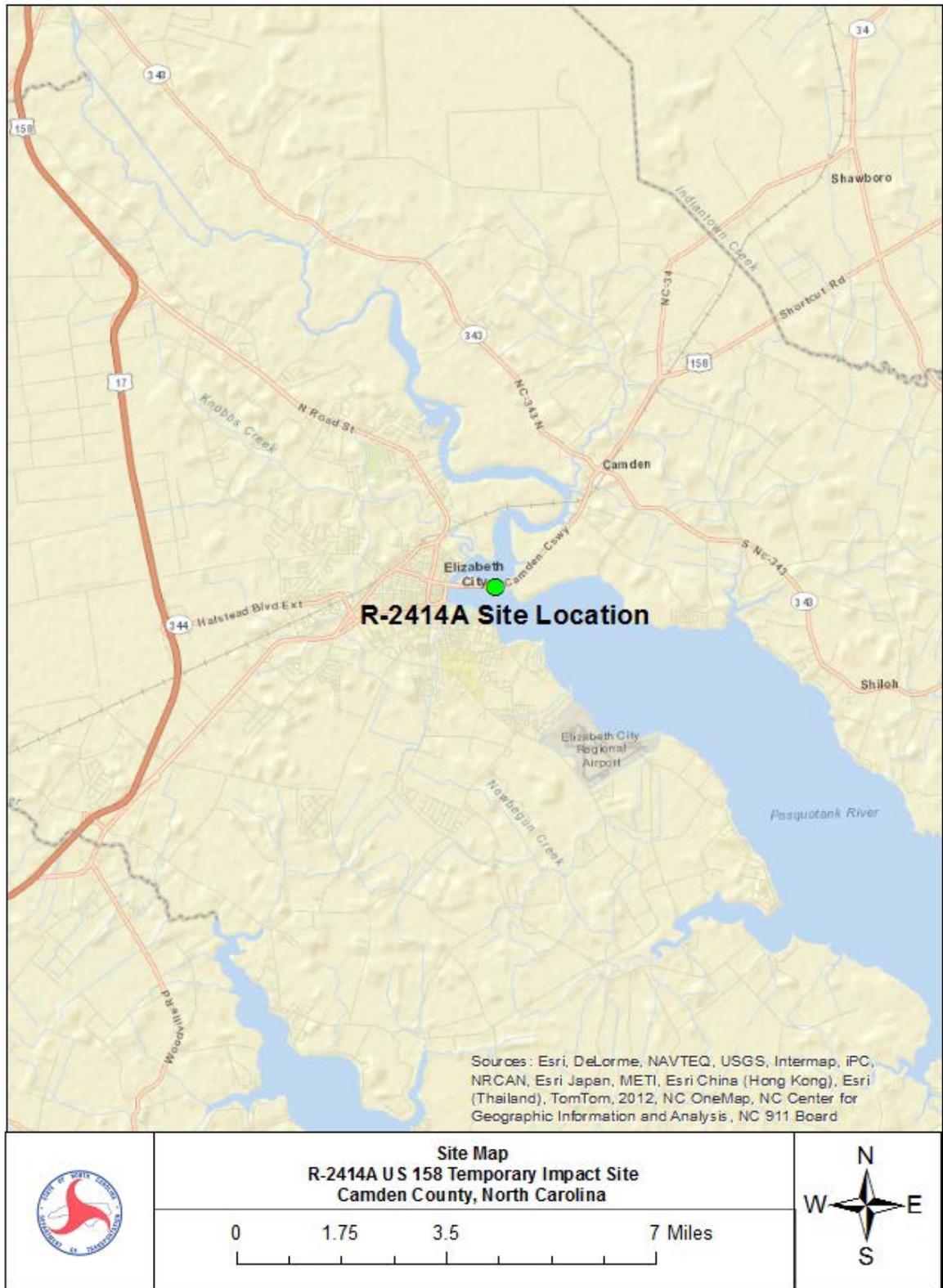


Figure 1. Vicinity Map

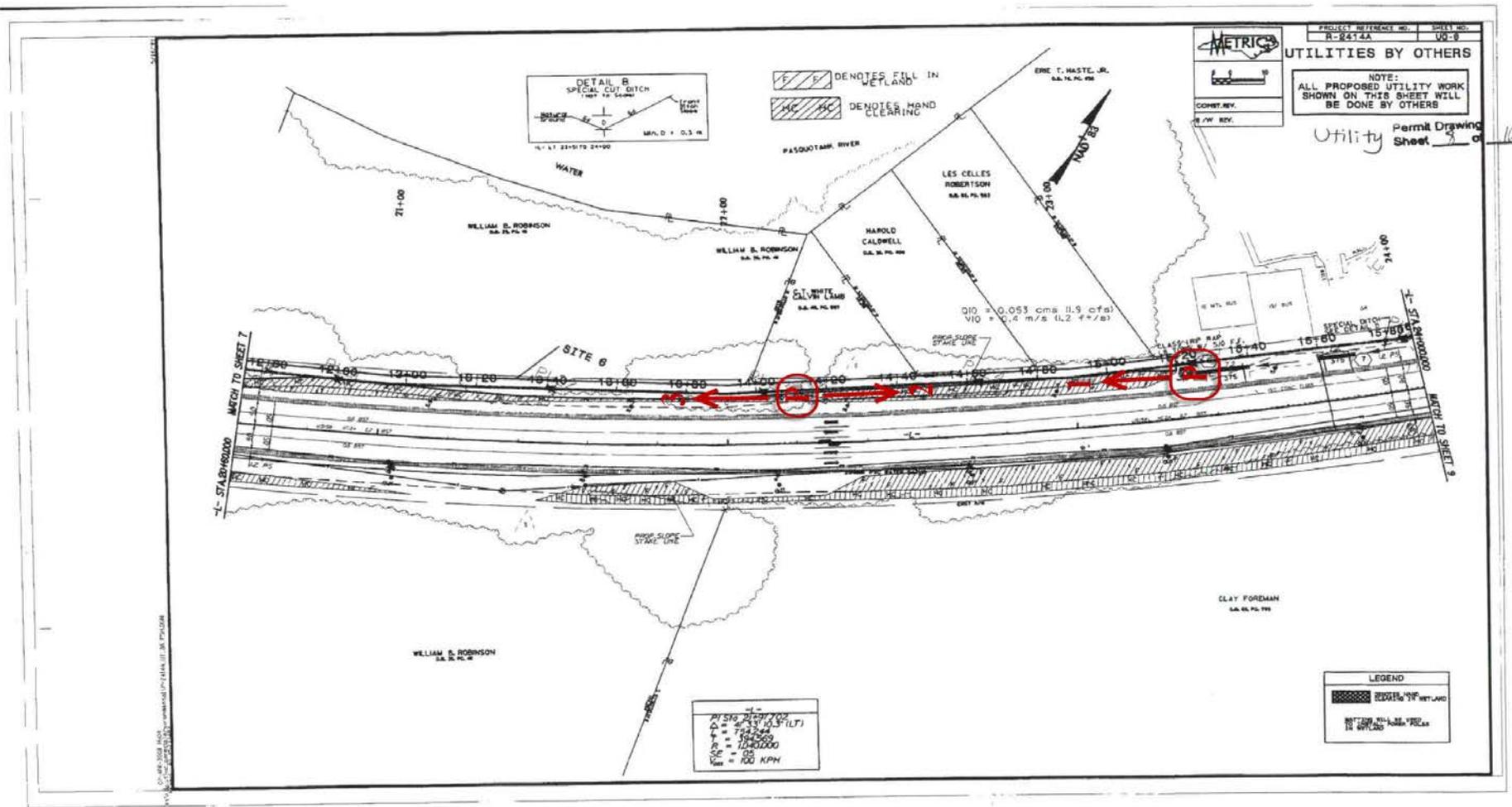


Figure 2. Utility Permit Drawing

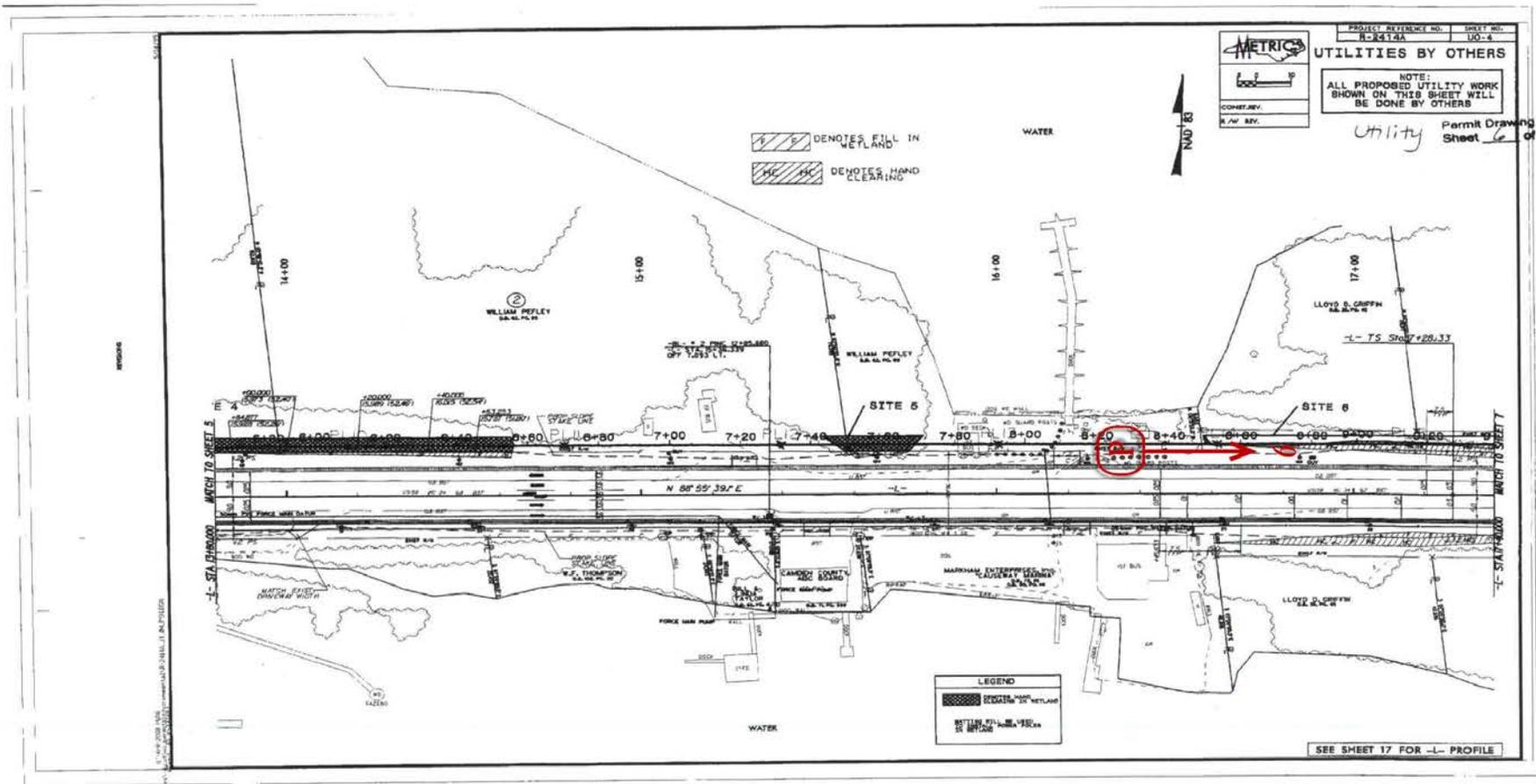


Figure 4. Utility Permit Drawing

APPENDIX A

SITE PHOTOS

US 158 Temporary Impact Site



Photo 1 looking west from Sta. 23+30-L-LT.
(Site 6 Utility temp. impact)



Photo 2 looking east from Sta. 22+20-L-LT.
(Site 6 Utility temp. impact)



Photo 3 looking west from Sta. 22+20-L-LT.
(Site 6 Utility temp. impact)



Photo 4 looking east from Sta. 19+00-L-LT.
(Site 6 Utility temp. impact)



Photo 5 looking west from Sta. 19+00-L-LT.
(Site 6 Utility temp. impact)
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Photo 6 looking east from Sta. 16+30-L-LT.
(Site 6 Utility temp. impact)

US 158 Temporary Impact Site



Photo 7 looking east from Sta. 21 +60-L-RT.
(Site 8 Roadway temp. impact)



Photo 8 looking west from Sta. 22 +80-L-LT
(Site 7 Roadway temp. impact)



Photo 9 looking west from Sta. 17+80-L-LT
(Site 7 Roadway temp. impact)



Photo 10 looking west from Sta. 17+40-L-LT
(Site 7 Roadway temp. impact)