



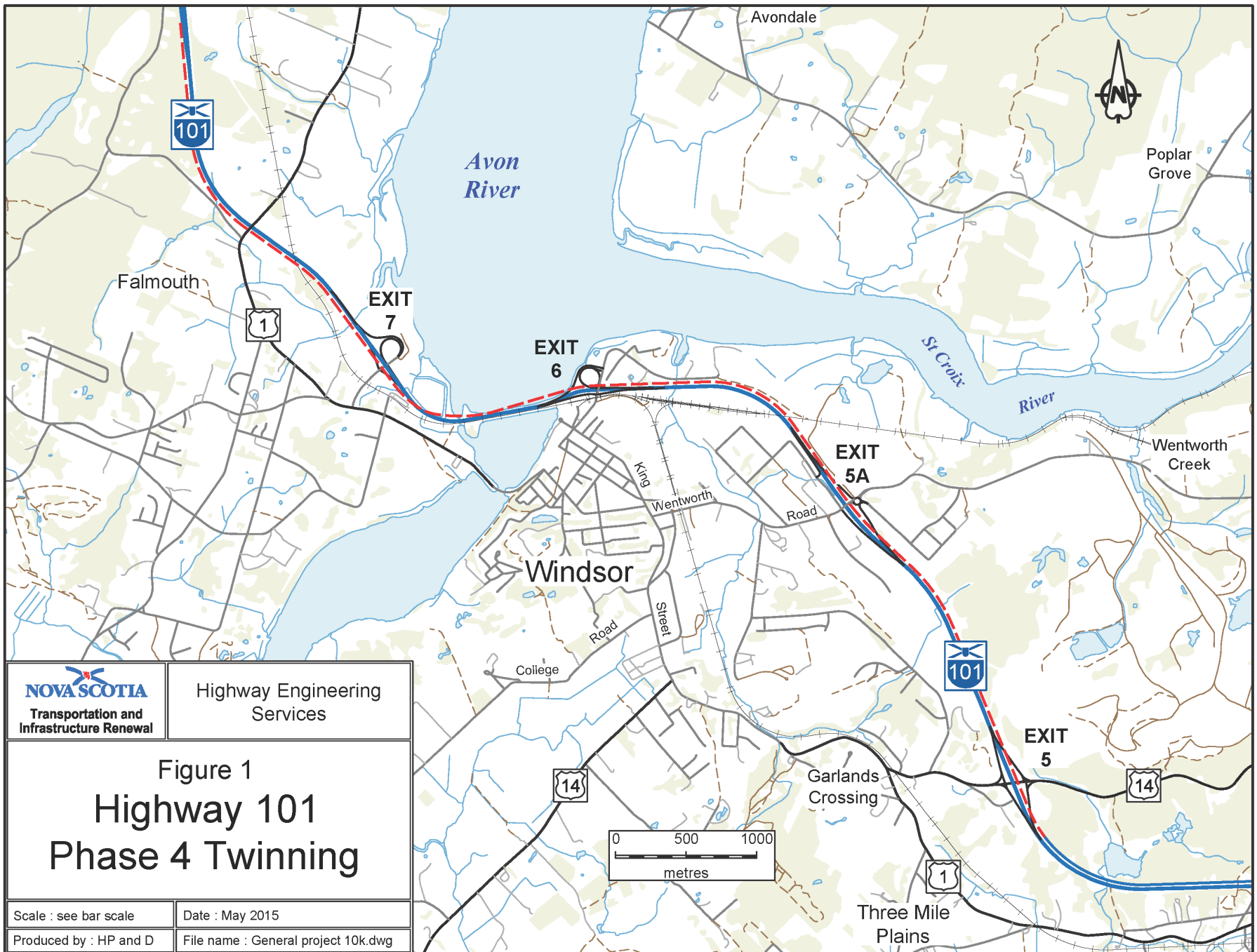
Highway 101 Twinning: Three Mile Plains to Falmouth

Overview

- Starts at Exit 5, Three Mile Plains, to west of Exit 7, near Falmouth
- Connects twinned highway on either side of Windsor
- Approximately 10 km long
- All existing Exits to remain
- Ramps connected between interchanges
- Avon River Causeway widening + New aboiteau

Project Objectives

- Highway twinning along the existing alignment
- In areas where road is below current standards – upgrading
- Sea level rise and sinkhole concerns – road to be raised
- Interchanges to be turned into standard diamond if possible
- Minimize land impacts - most land required already owned within road ROW





Cable Barrier Median

- High tension cables
- Narrower median than standard wide median twinning
- Allows sight distance requirements to be met with less land impacts than wide median



Ramp Connections

- Existing Exits located close to one another
- For safety and operations ramps to be connected in an auxiliary lane
- Results in 6 lanes for much of project





Diamond Interchanges

- The typical interchange throughout Nova Scotia
- Recommendation to standardize interchanges to help with wayfinding and reduce confusion
- Structures likely built next to existing to minimize disruption

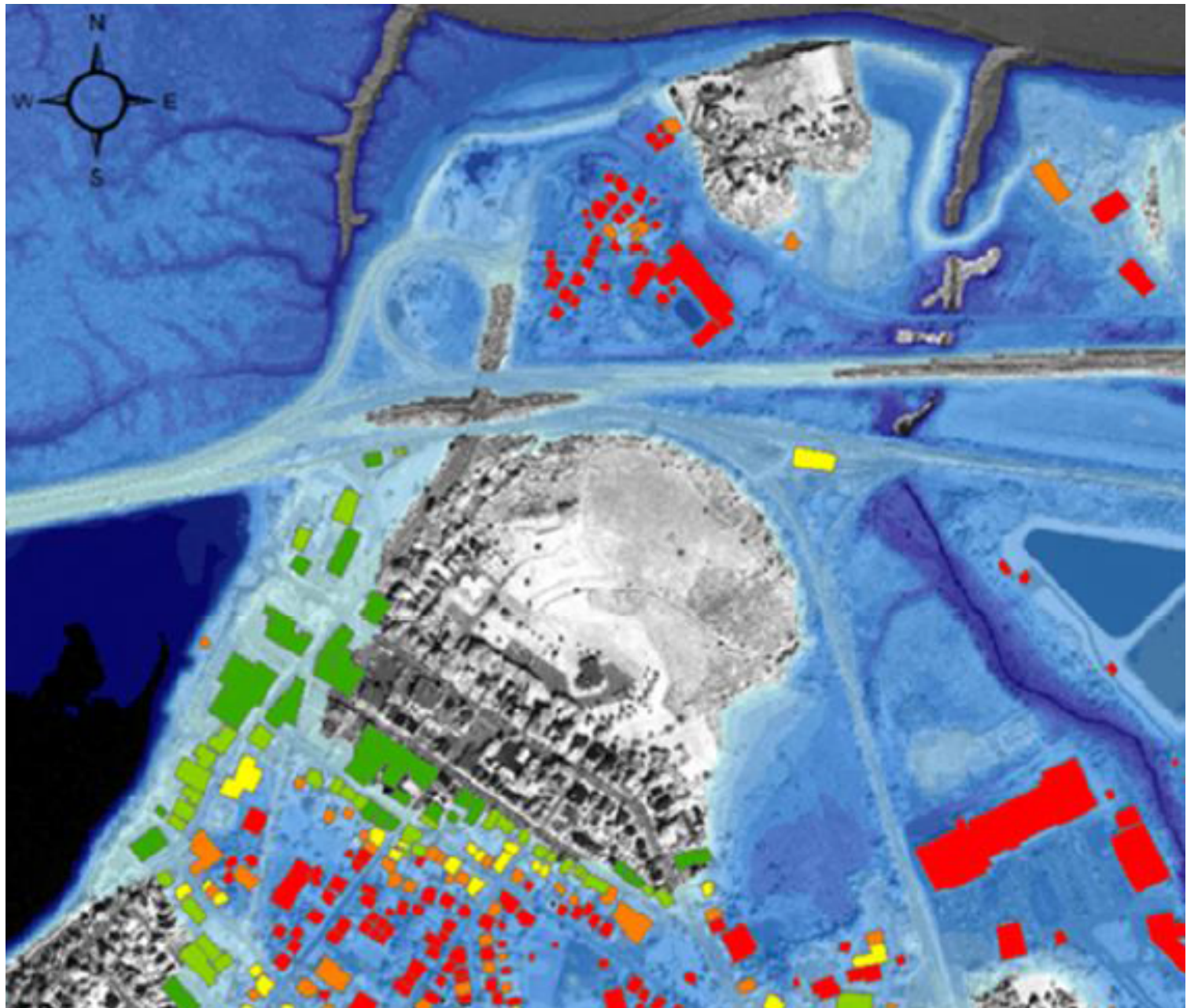




Road Upgrades

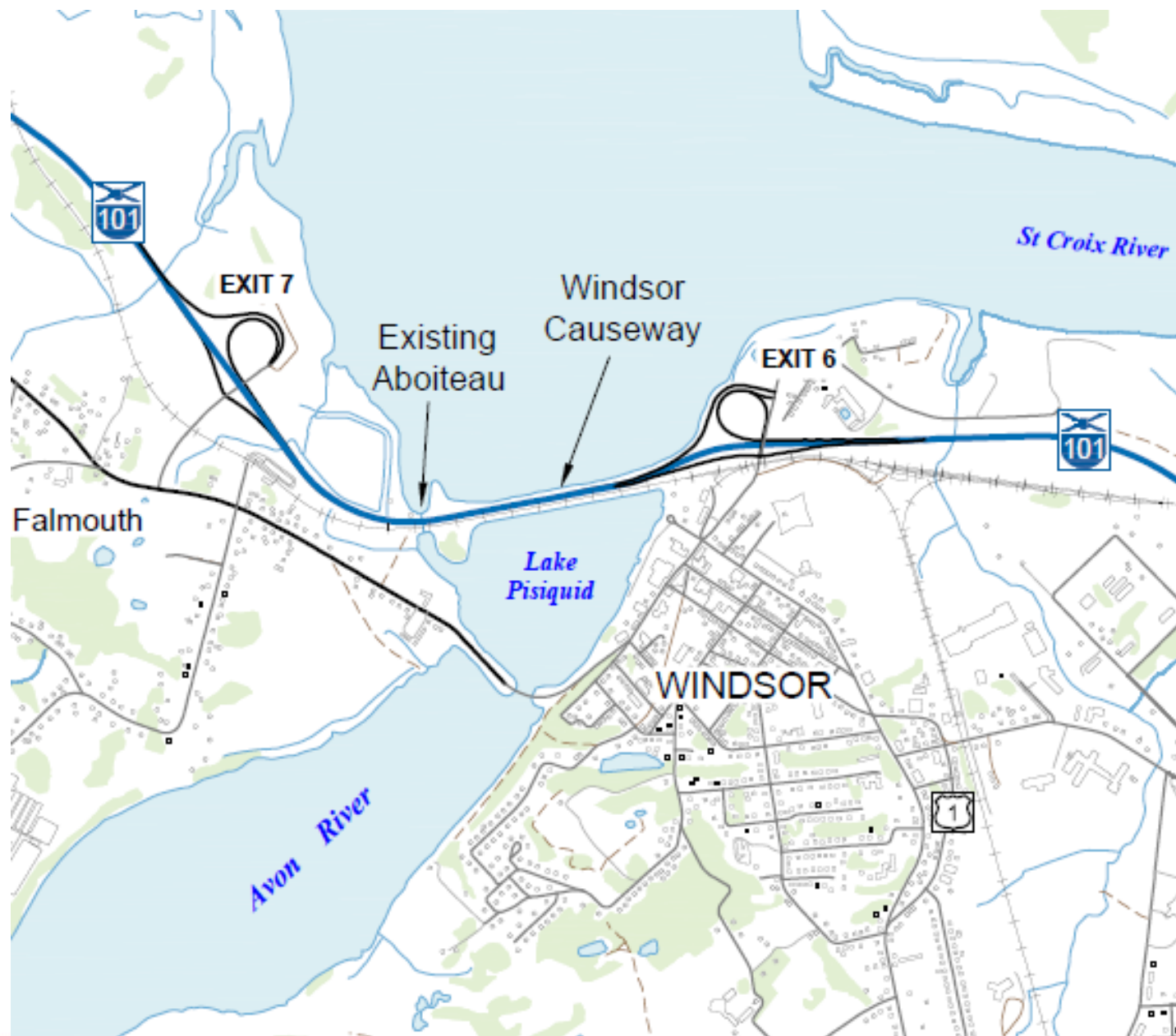
- Sharp curves to be flattened to meet current standards
- In areas at risk of sea level rise road bed to be raised
- Width of paved shoulders, lanes etc. to be upgraded where needed





Aboiteau & Causeway

- Additional width required for the new highway lanes
- Additional height needed to prevent Windsor/Falmouth and surrounding areas from flooding
- New aboiteau required to handle flow volumes, carry highway, and provide fish passage to meet DFO requirements
- Joint aboiteau structure rather than bridge plus aboiteau replacement





Project Steps

Planning



Design



Construction

Planning

Review of existing data

Collection of data, creation of maps

Route location

Environmental Screening

Functional design

Land access locations

Public Consultation

Aboriginal Consultation

Environmental Assessment

Land Purchases

Geotechnical Investigation

Land survey(s)

Planning

Review of existing data ✓

Collection of data, creation of maps ✓

Route location ✓

Environmental Screening ✓

Functional design ✓

Land access locations ✓

Public Consultation - Ongoing

Aboriginal Consultation - Ongoing

Environmental Assessment - Soon

Land Purchases – Some small parcels remaining

Geotechnical Investigation

Land survey(s) - Soon

Current Activities

- Community Liaison Committee
- Open House
- Environmental Assessment
- Aboiteau/Causeway Design
- Salt Marsh Monitoring and Offsite Wetland Compensation
- Funding

Highway 101 Twinning – Three Mile Plains to Falmouth

Community Liaison Committee

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About The CLC

The Highway 101 Community Liaison Committee (CLC) is dedicated to keeping you, and your community, informed about the design, construction and operation of the Highway 101 twinning project, and to gathering your input on this



Subscribe to our Newsletter

Subscribe to our newsletter for the latest news about the Highway 101 Twinning - Three Mile Plains to Falmouth Project.

Questions/Comments

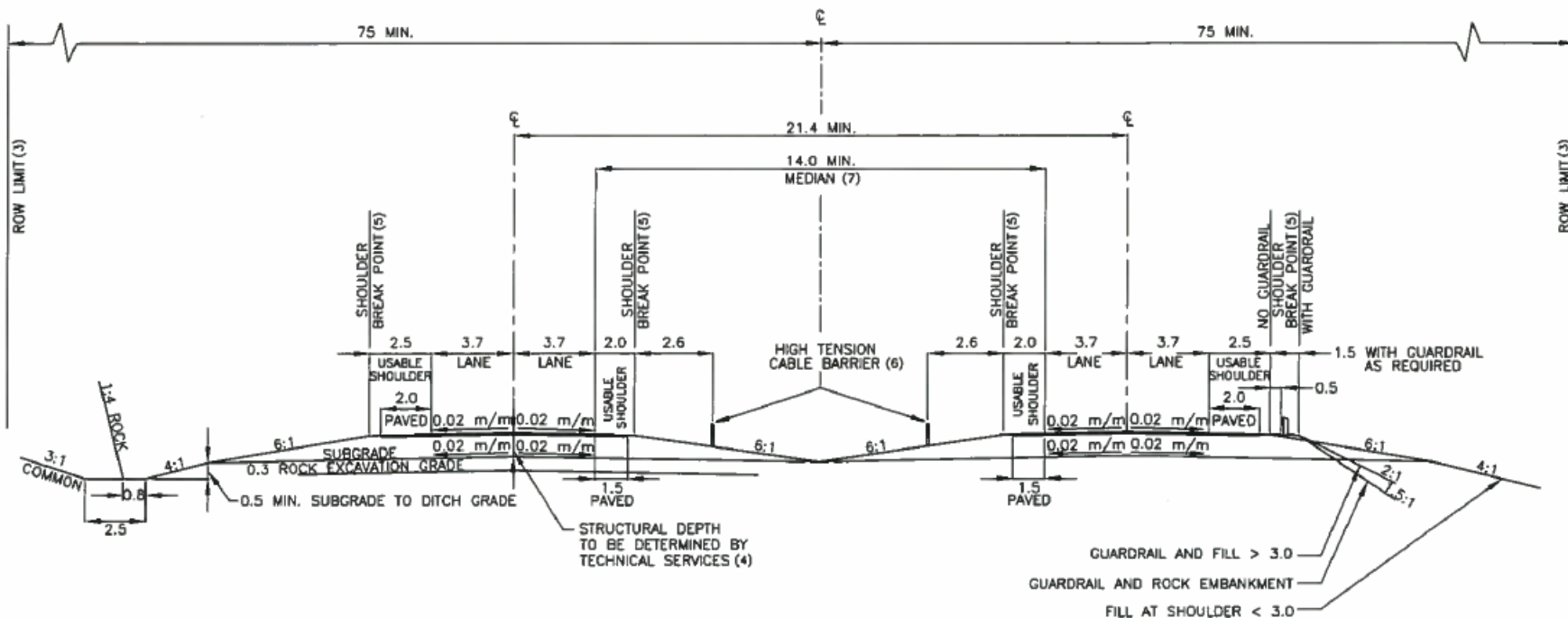
*Avon
River*



Falmouth







NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE MEASURED PERPENDICULAR TO CENTERLINE.
3. TO BE ADJUSTED TO ALLOW FOR MINIMUM OF 5.0m BEYOND DAYLIGHT LOCATION OR EXCEPTIONALLY 3.0m MAY BE ACCEPTABLE.
4. THE SUBGRADE WIDTH IS DEPENDENT UPON THE DEPTH OF STRUCTURAL MATERIAL.
5. 0.8m ROUNDING CENTERED ON SHOULDER BREAK POINT IF GUARDRAIL NOT INSTALLED.
6. PLACEMENT OF BARRIER TO BE DETERMINED BASED ON HORIZONTAL GEOMETRY.
7. INSTALL ROUNDED DEPRESSION OR SWALE WITH DRAINAGE TREATMENT AS REQUIRED IN MEDIAN.
8. CABLE BARRIER TO BE BRIFEN SYSTEM MEETING TL-4 OR APPROVED EQUIVALENT.

NOVA SCOTIA
Transportation and
Infrastructure Renewal

No. REVISION

Scale : N.T.S.
Drawn by : G.WRIGHT
Checked by : K.BODDY
Date of Plan : SEPT2014
File No. : S-2014-029

B. Williams
Manager Highway Planning and Design
A. Smith
Director Highway Engineering Services
P. Smith
Executive Director Highway Engineering and Construction

**STANDARD CROSS SECTION
FREEWAY CABLE BARRIER MEDIAN (A)**

NOVA SCOTIA

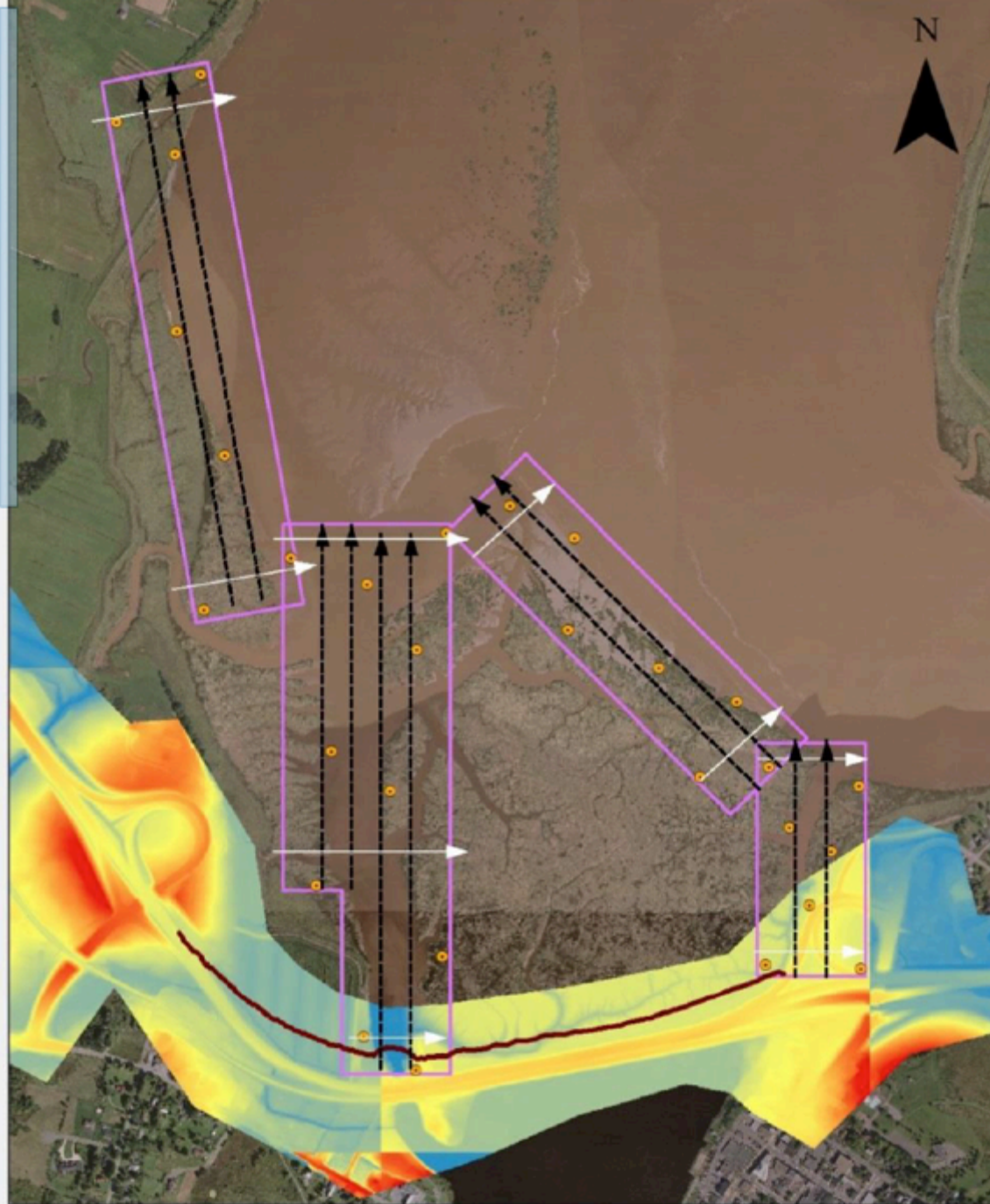




FIGURE 4: VALID CAPTURE AREA BASED ON GCP DISTRIBUTION, WATER LEVELS, AND PIX4D PROCESSING SHOWN ON 2012 IMAGERY



FIGURE 3: ORTHOMOSAIC GENERATED FROM CALIBRATED JULY 2016 IMAGERY.



0 200 400 800 Meters