

An aerial photograph of a coastal area, likely Port Wallace, showing a river or inlet winding through the landscape. The river is dark and occupies the left and center portions of the image. On the right side, there are several residential developments with visible street grids and building footprints. The overall image is in grayscale and has a slightly faded, semi-transparent appearance, serving as a background for the text.

Port Wallace Master Plan

PPC Meeting

February 27, 2017

PORT WALLACE

CONCEPT PLAN
Dartmouth, Nova Scotia

Scenario 1



2716 Units = 7.600 People



- Nature Trail
- Single Unit
- Town Homes
- Institutional
- Multiple Residential
- Mixed Use
- Parkland
- Open Space
- Neighborhood Park

SEPTEMBER 8, 2016 100 PORT WALLACE 00



PORT WALLACE

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Dartmouth, Nova Scotia

Scenario 1A



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Scenario 1



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February 22, 2017

161 PORT WALLACE SCENARIO 1



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DRAWN BY: J. BROWN
DATE: 02/22/17

PORT WALLACE

CONCEPT
Dartmouth, Nova Scotia

Context Map



PORT WALLACE

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February 22, 2017 164 PORT WALLACE SCENARIO 1

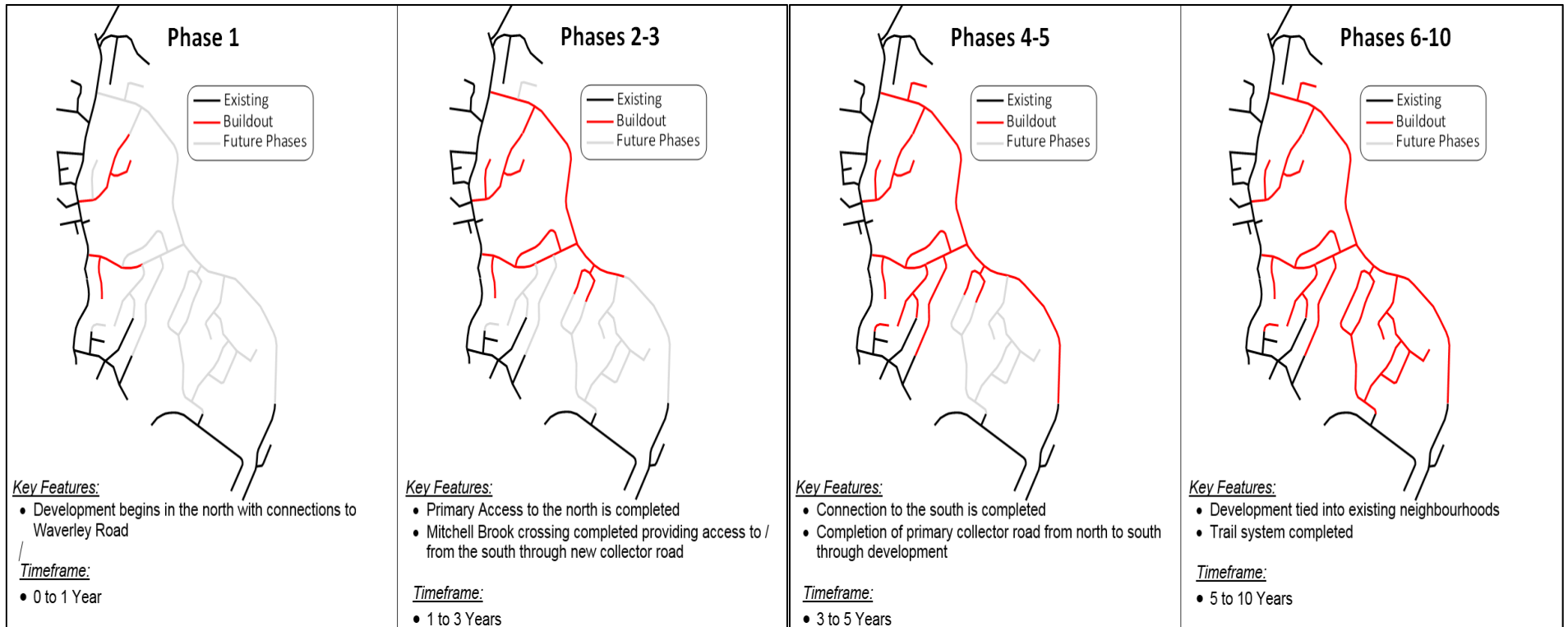


1. Parallel Route to Waverly Rd.
2. Efficient Transit Routing
(80% within 400m)
3. Internal Access to Proposed School
4. Creates Connected Communities
5. Create an Active Transportation Corridor



#	Location	Recommended Upgrade(s)		Summary Figures (Appendix A)
		Background Volumes	With Site Development	
1	Highway 107 WB Ramps at Montague Road	No upgrades required	Convert to single lane roundabout.	Figure A-4
2	Highway 107 EB Ramps at Montague Road	Convert to single lane roundabout with right turn bypass on exit ramp approach.		Figure A-4
3	Waverley Road at Montague Road	No upgrades required	Convert to single lane roundabout with right turn bypass on Montague Road approach	Figure A-4
4	Waverley Road at Access Road A	N/A	Install traffic signals. Install a two-lane WB approach and a SB left turn lane on Waverley Road.	Figure A-5
5	Waverley Road at Access Road B	N/A	Install a two-lane WB approach and a SB left turn lane on Waverley Road.	Figure A-6
6	Waverley Road at Access Road C	N/A	Install a two-lane WB approach and a SB left turn lane on Waverley Road.	Figure A-7
7	Waverley Road at Breeze Drive	Install a SB left turn lane on Waverley Road. Monitor the need for an additional WB approach lane.		Figure A-8
8	Waverley Road at Montebello Drive	Install NB right turn lane.		Figure A-9
9	Breeze Drive at Avenue du Portage	No upgrades required	Install traffic signals and modified intersection approach lanes.	N/A

Road Network: Phasing Considerations



Trip Generation / Distribution

- **Trip Generation Estimates:**

- AM peak hour: 370 entering and 933 exiting
- PM peak hour: 1032 entering and 698 exiting

- **Estimates reduced based on:**

- Non-auto modal split (walk/bike, transit)
- Internal non-auto trips (i.e. shopping)
- On-site synergies (trips between internal developments)

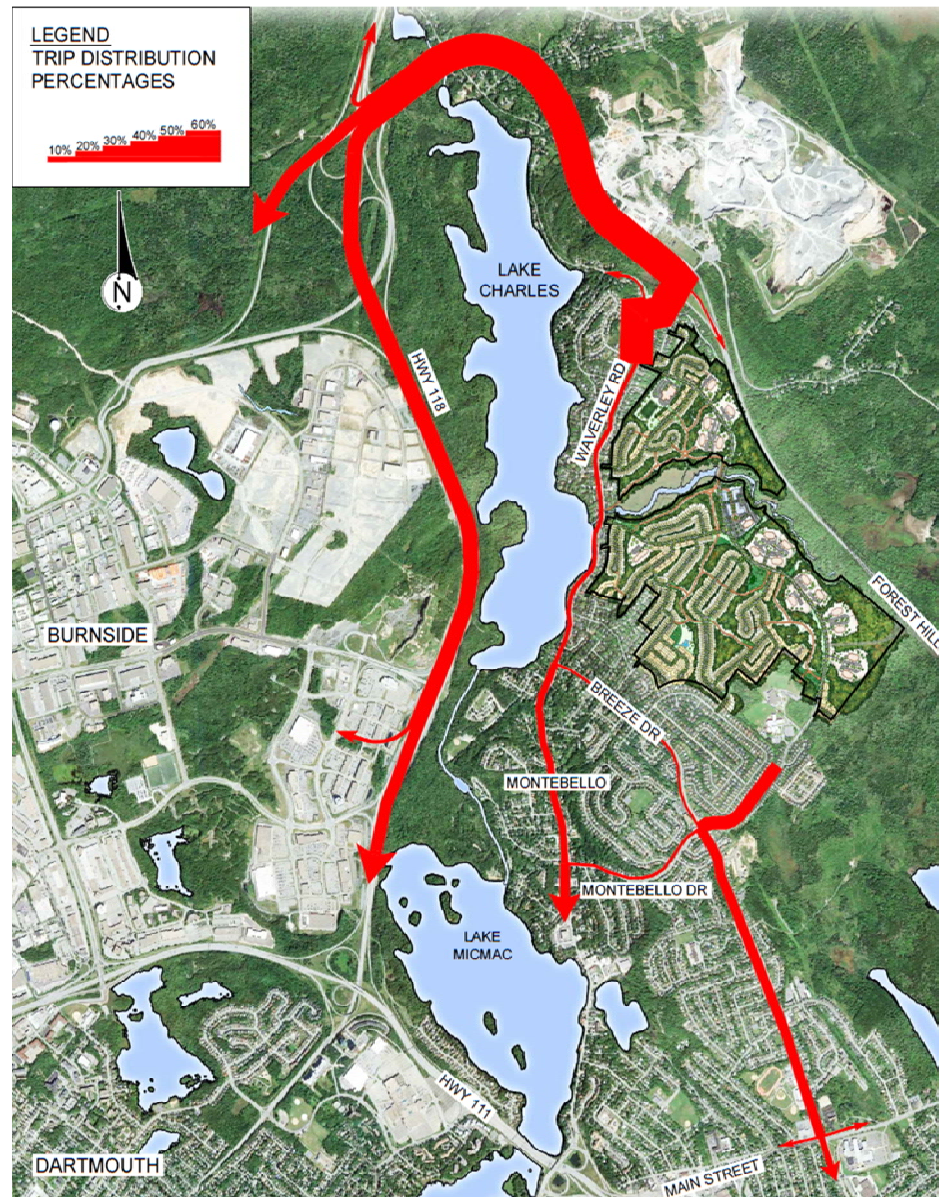
- **Trip Distribution Assumptions:**

North: 10% (Sackville, Highway 101, Waverley, Fall River, Airport)

East: 5% (Forest Hills Parkway, Cole Harbour and Eastern Shore)

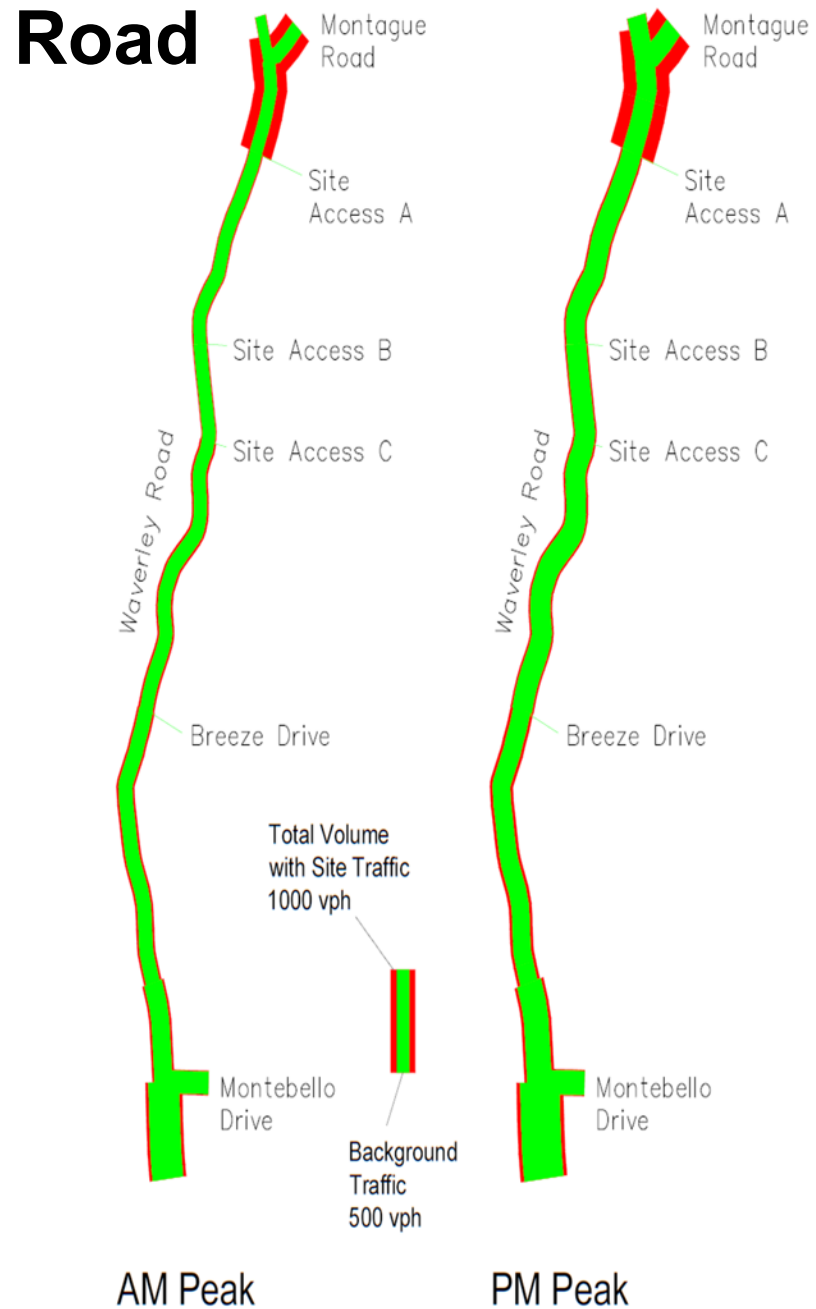
South: 35% (South Dartmouth, Woodside, Eastern Passage)

West: 50% (Halifax, Highway 103, Hammond Plains)



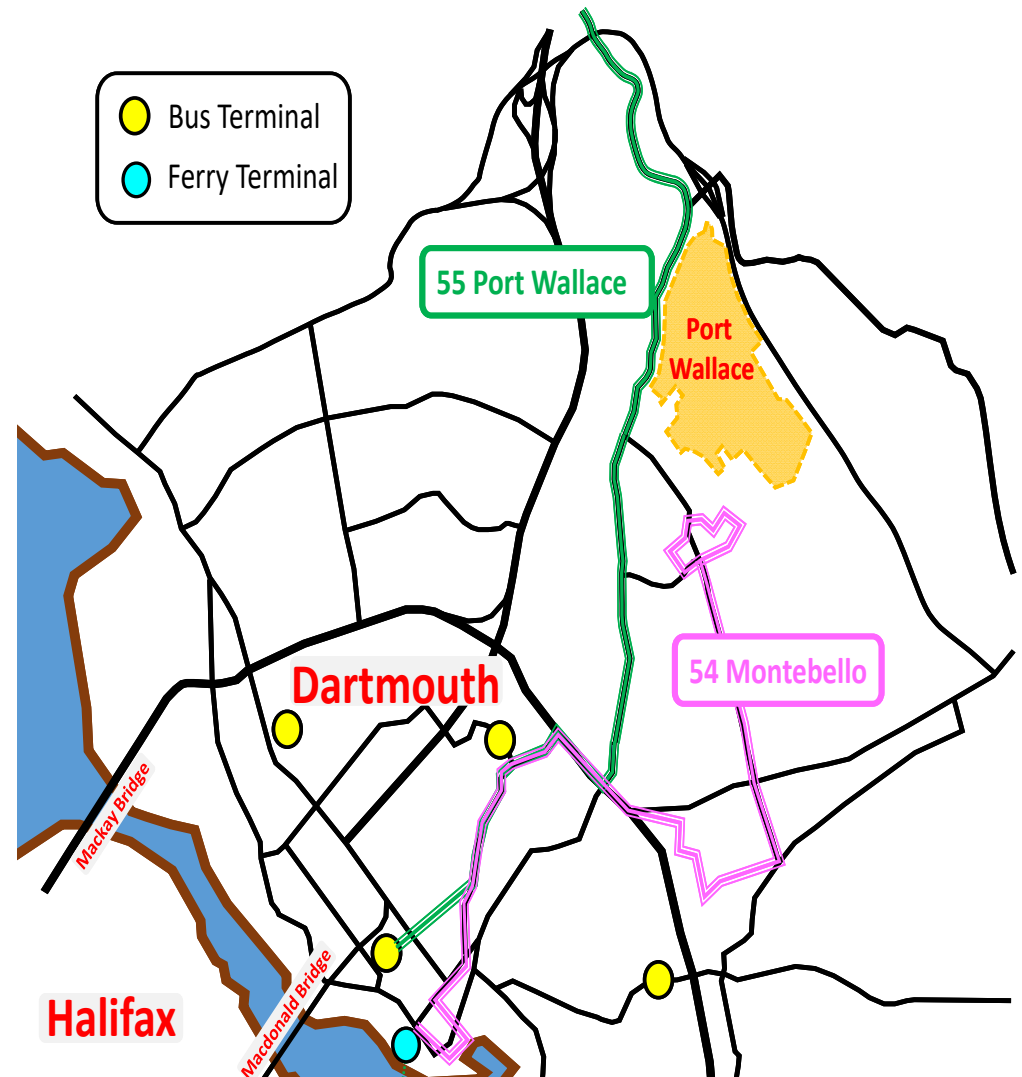
2028 Peak Hour Traffic Volumes: Waverley Road

- Majority of site generated traffic will be focused on the north end of Waverley Road near the interchange.



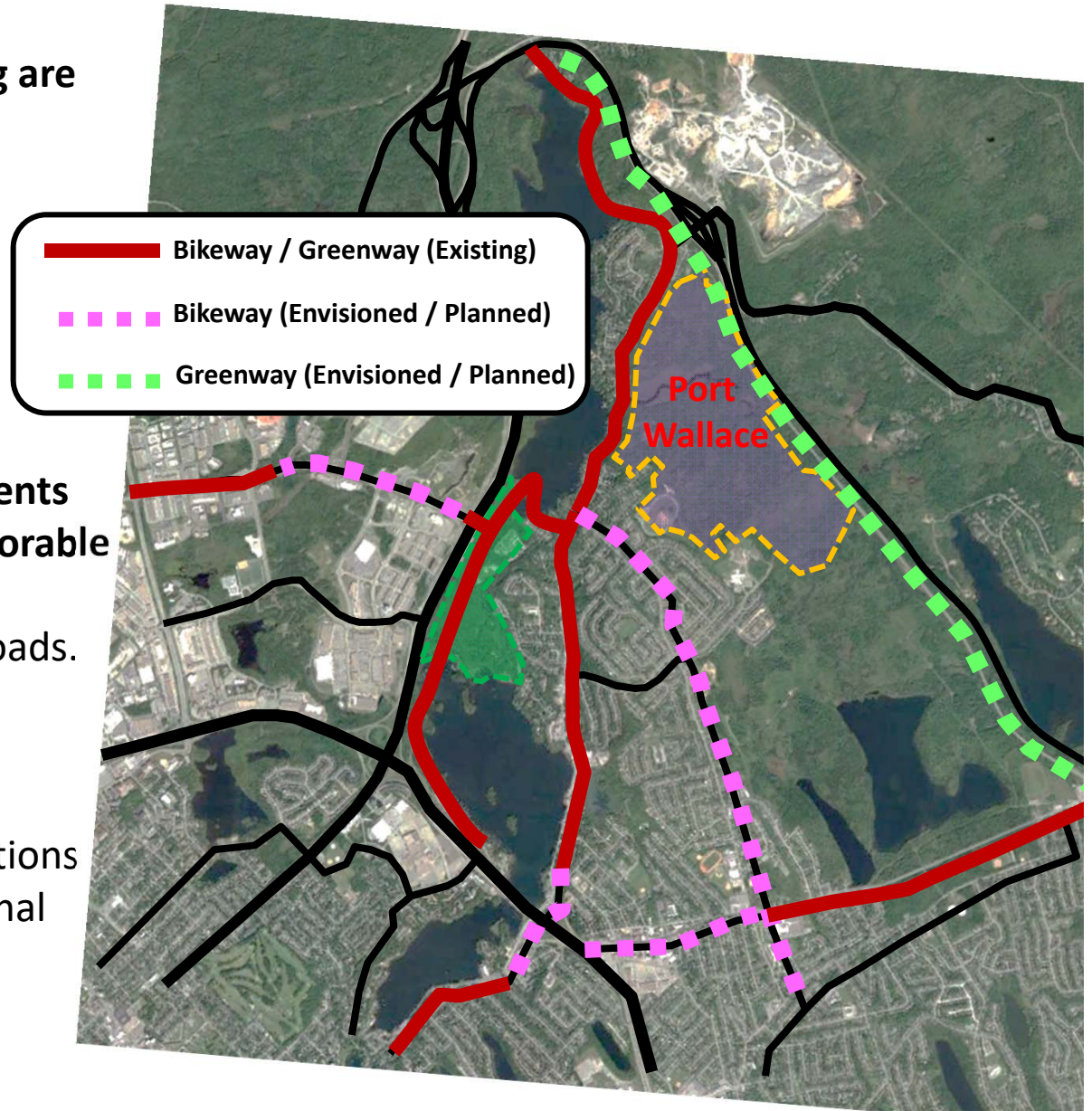
Transit Considerations

- **Transit Modal Split:**
 - HRM-wide = 12.5%
 - Port Wallace = 7.5%
- **Key Factors for Low Usage**
 - Population Density
 - Existing Service:
 - Access to Transit
 - Current routes
- **Planned Port Wallace developments will provide conditions more favorable for transit use**
 - 80% of population within 400m of transit stop
 - Convenient walking/cycling access

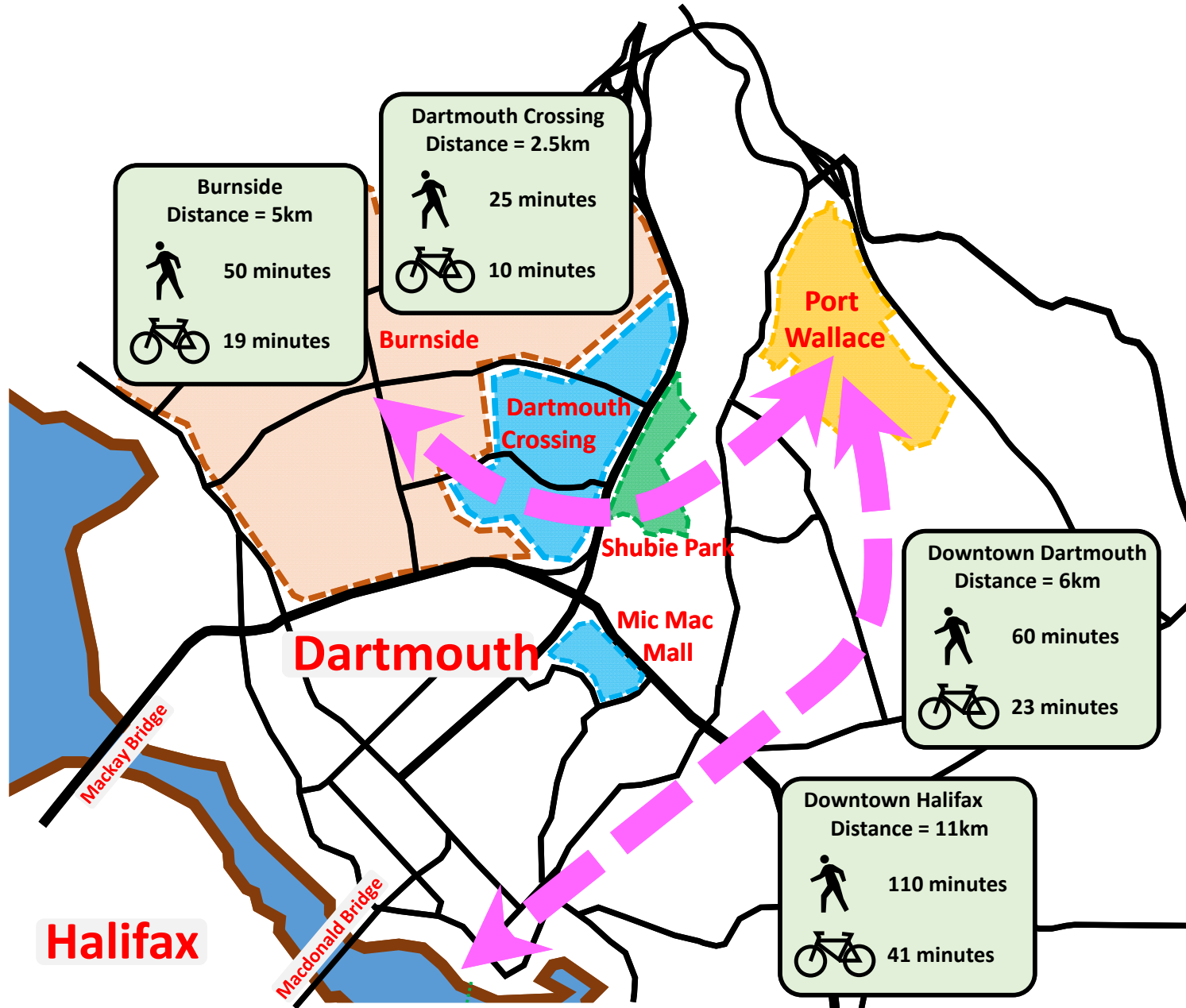


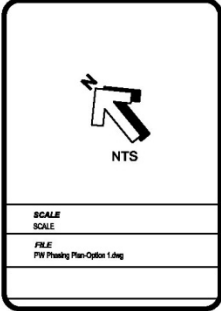
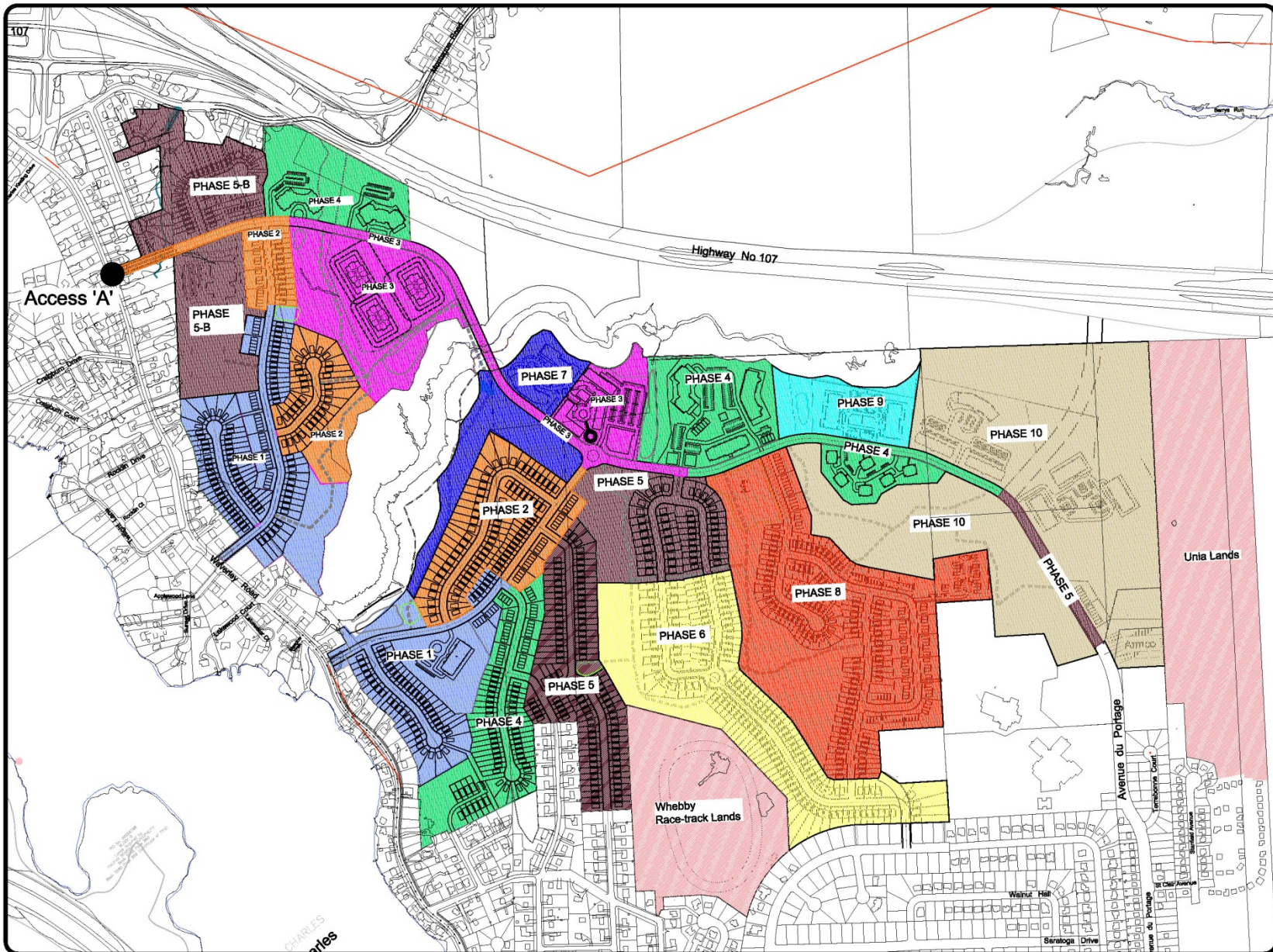
Active Transportation Considerations

- Current trips by walking / cycling are relatively limited
- **Key Factors**
 - Lack of AT infrastructure
 - Population Density
 - Topography
- **Planned Port Wallace developments will provide conditions more favorable for AT uses:**
 - Multi-use pathway on key roads.
 - Trail network
 - Mixed land uses within the community
 - Planned external AT connections
 - Close proximity to key regional destinations



Distance / time to Key Destinations





PROJECT

Port Wallace

DRAWING

2017 Phasing Plan

February 2017

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An aerial photograph of a residential area, showing a winding road, a large building, and a parking lot. The image is in grayscale and has a semi-transparent overlay.

Thank You