



# PUBLIC INFORMATION SESSION

Ness Avenue at Sturgeon Creek Culvert Replacement

Tuesday, January 13, 2015

# FLOODING AND EXISTING CULVERT HYDRAULICS



# PURPOSE OF PROJECT

Replace the existing culvert with a new high level bridge crossing

- Provide bridge with 75 year lifespan
- Improve safety and functionality
- Increase hydraulic opening to prevent roadway flooding
- Provide bank stability of channel and protect channel against erosion
- Reconstruct and rehabilitate existing roadways
- Improve active transportation through the site

# PROJECT AREA



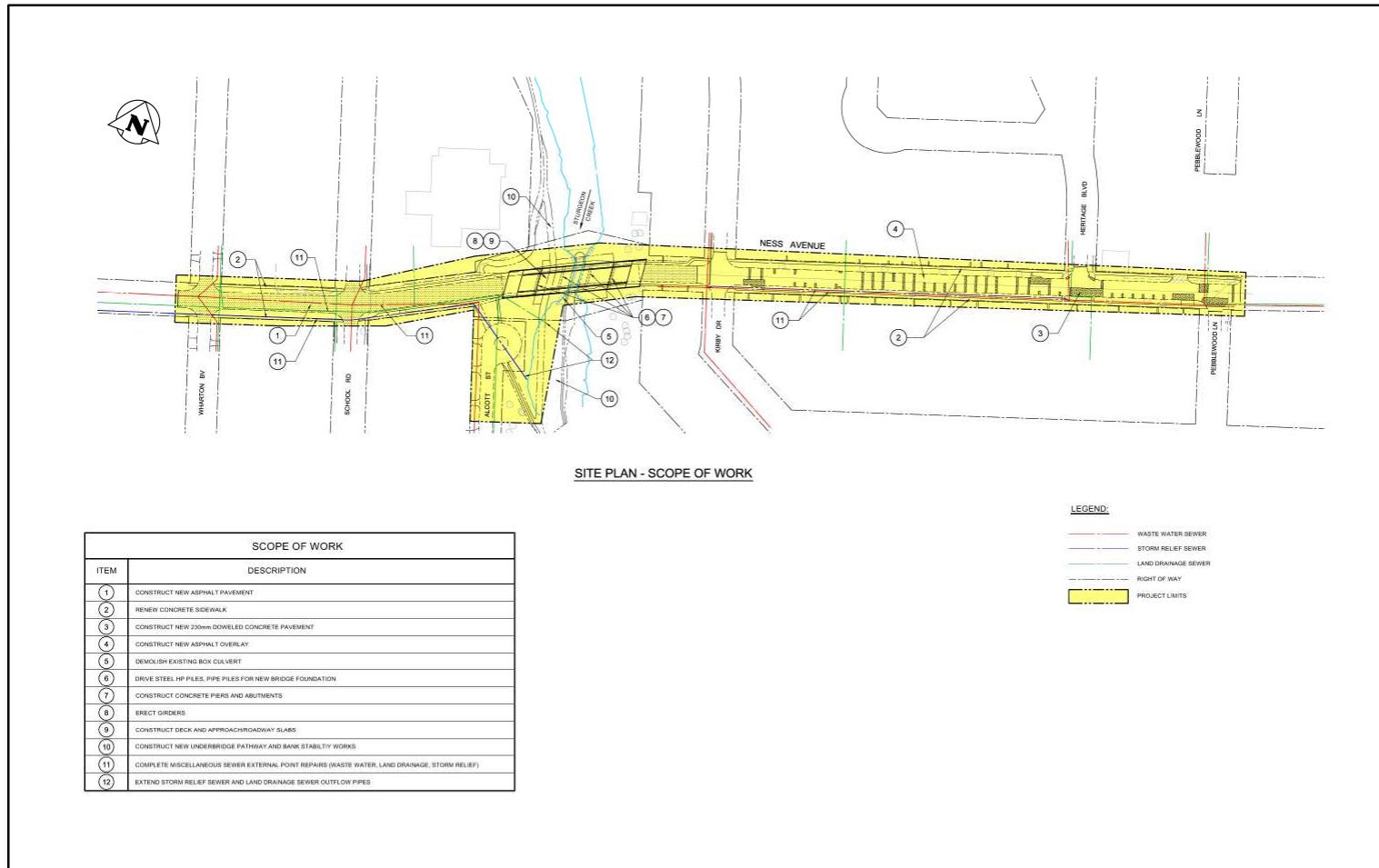
# PROJECT TIMELINE



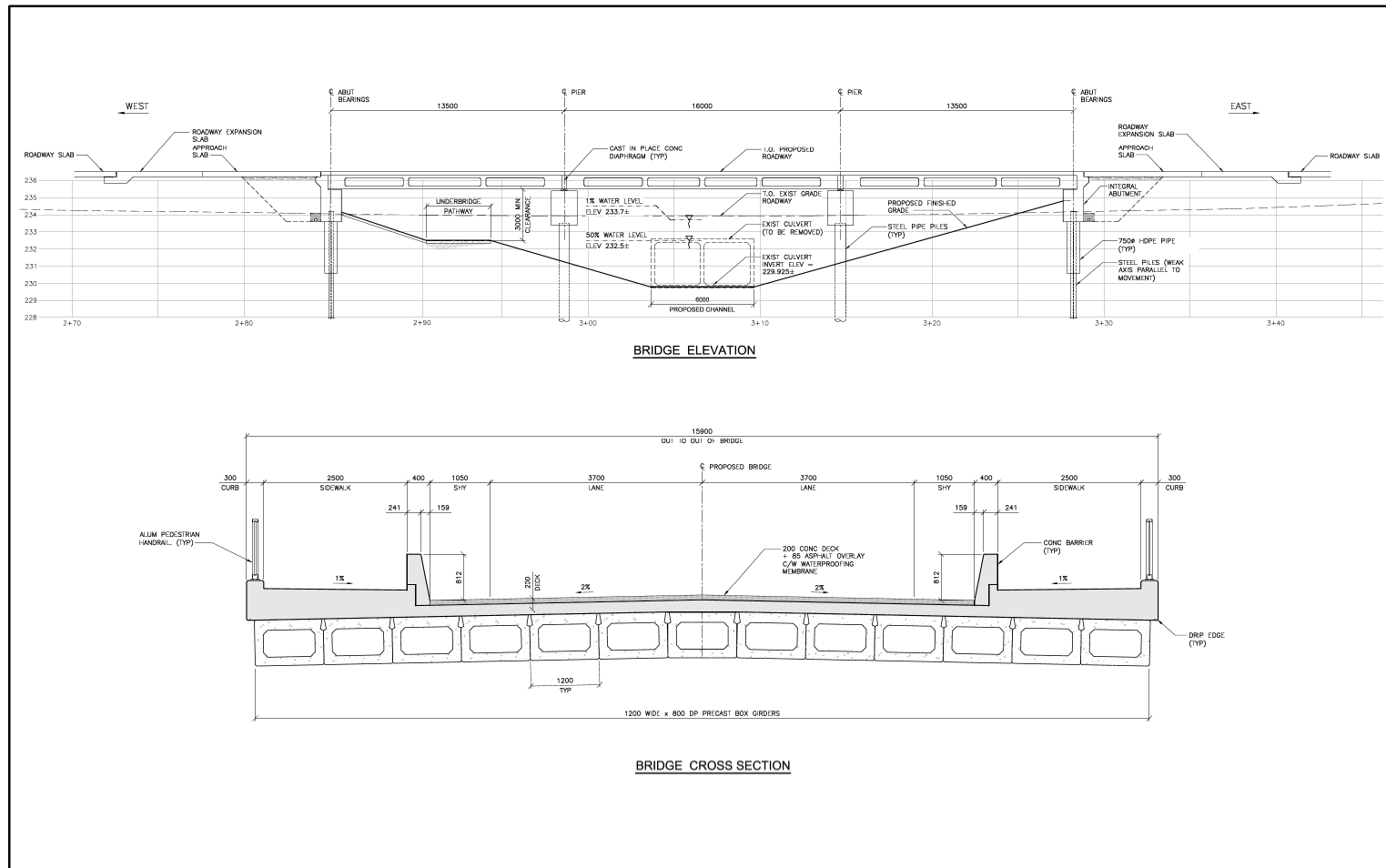
# PROPOSED CONSTRUCTION WORKS

- Remove existing culvert
- Construct new high level bridge
- Reconstruct and rehabilitate roadway and sidewalks
- Stabilize slopes on Southwest bank of Sturgeon Creek
- Construct under bridge pathway, upgrade existing Active Transportation pathways
- Provide channel erosion protection
- Undertake underground repairs
- Manage traffic during construction

# PROPOSED CONSTRUCTION WORKS

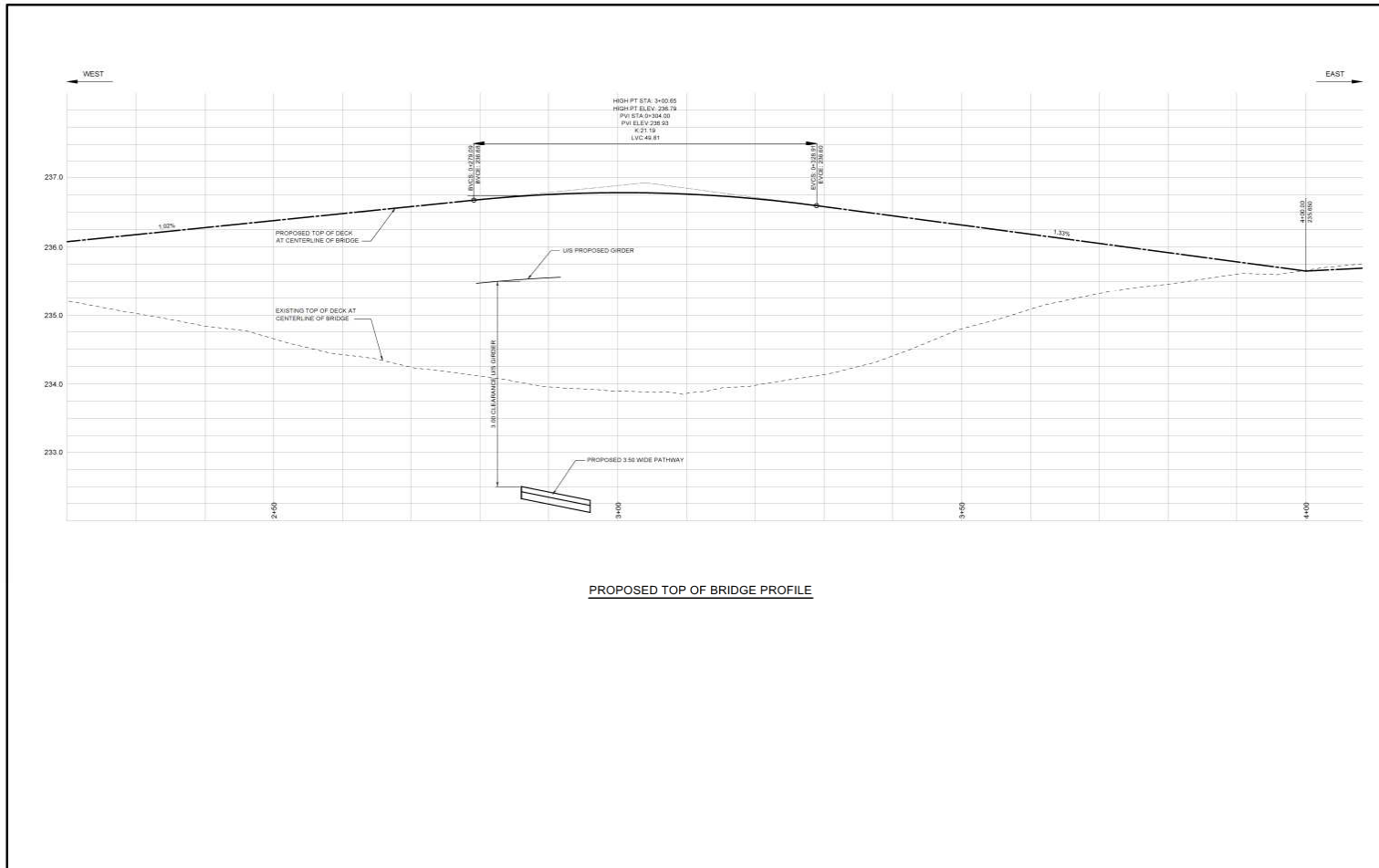


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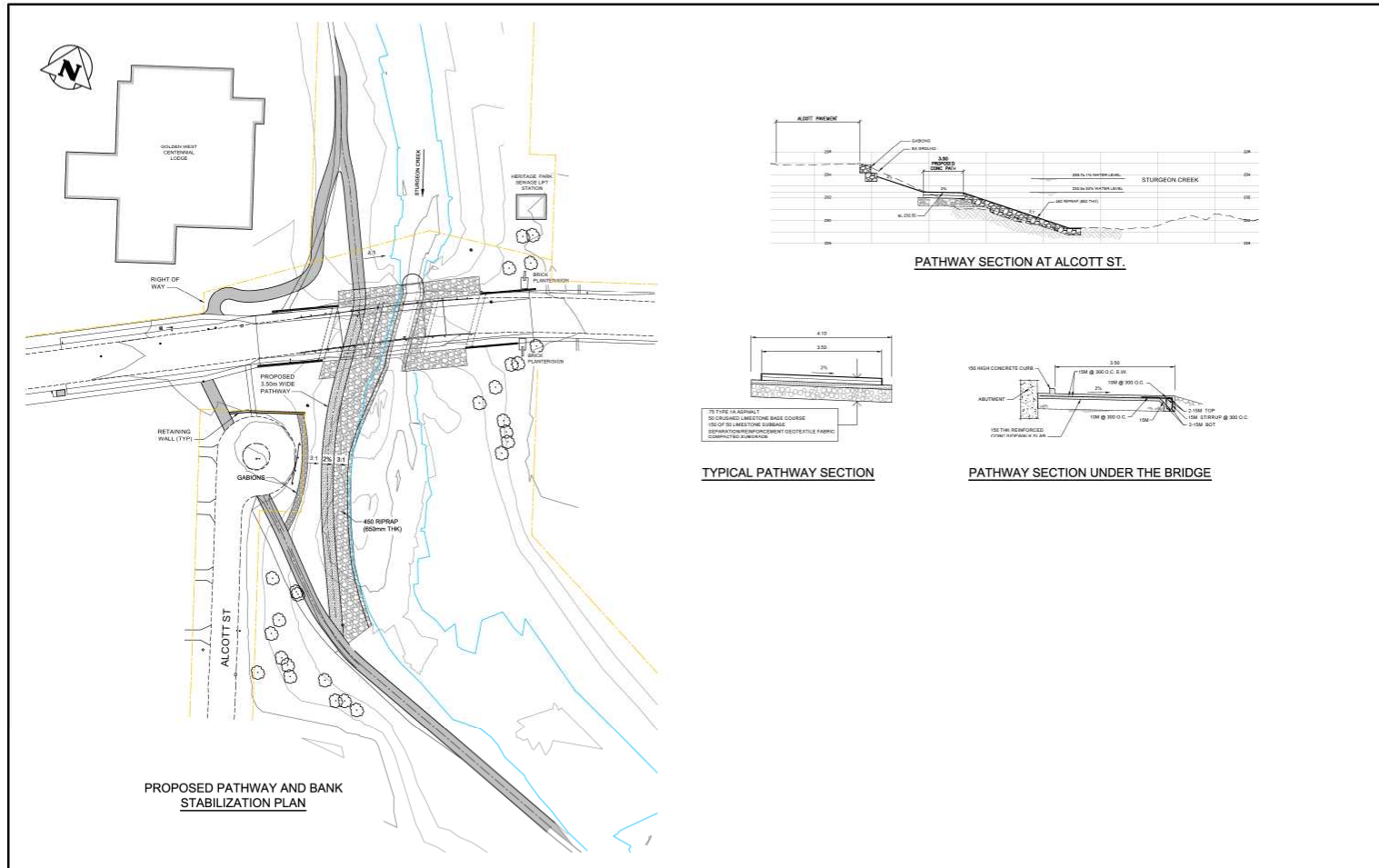




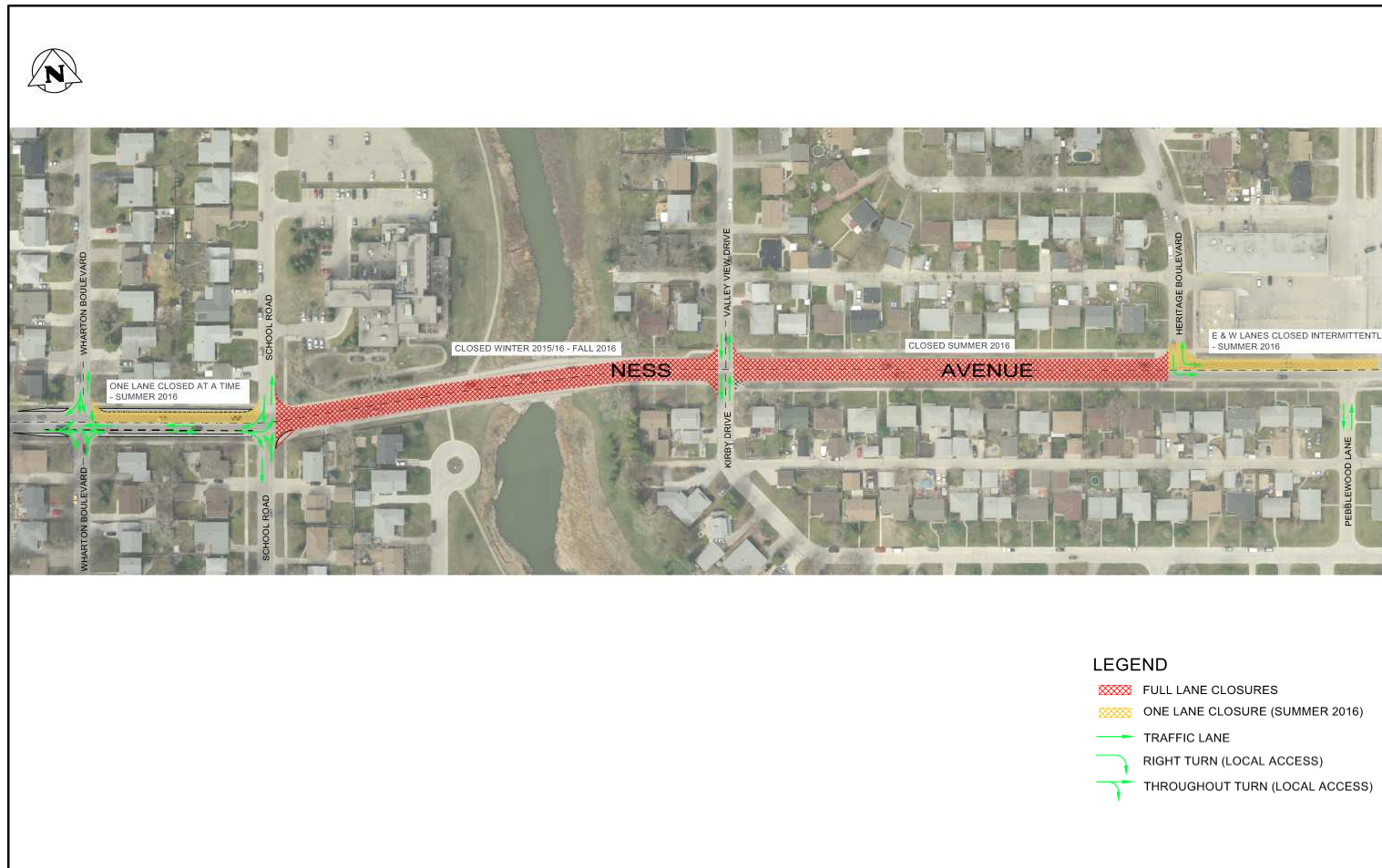
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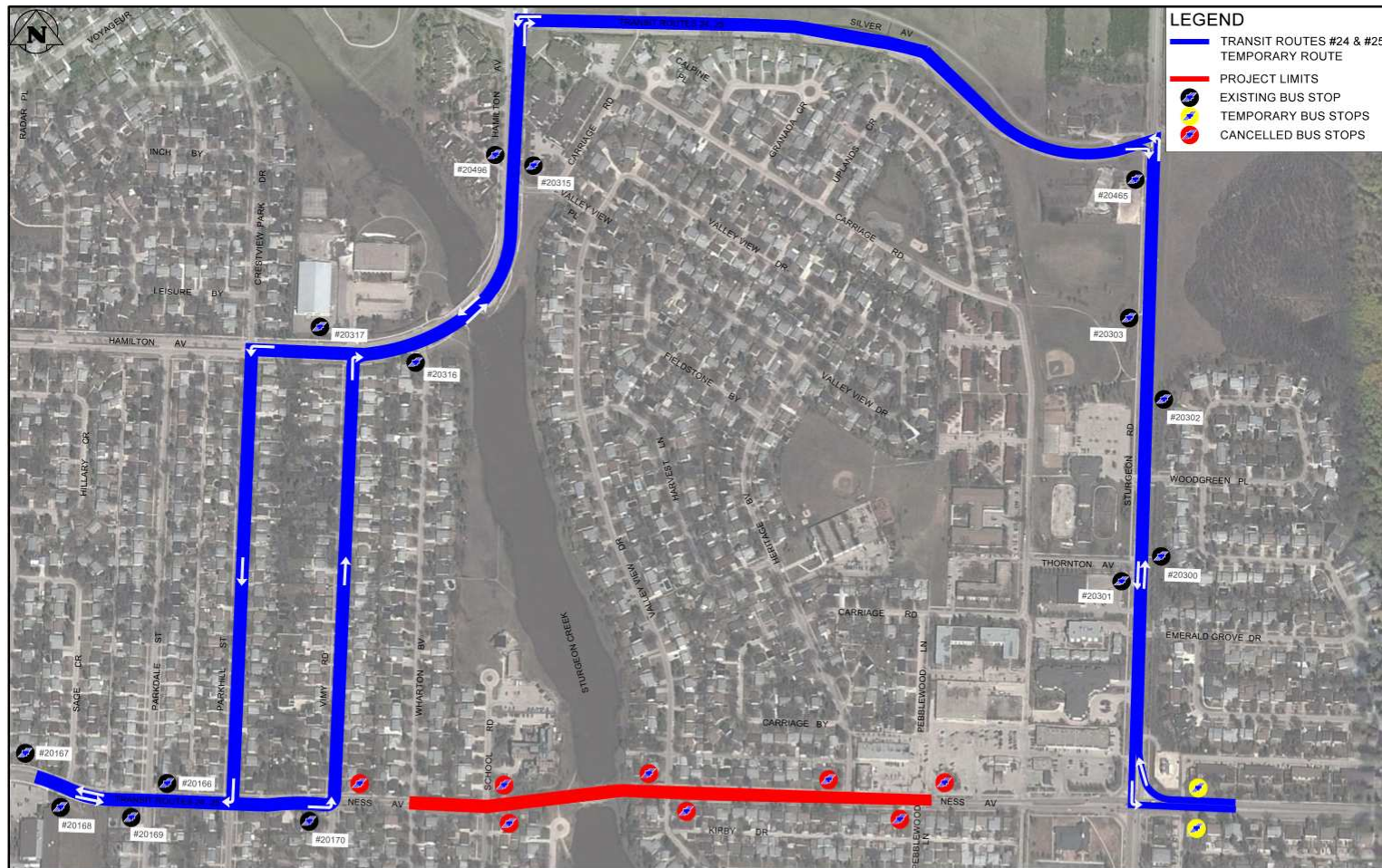
# PROPOSED CONSTRUCTION WORKS



# TRAFFIC MANAGEMENT



# WINNIPEG TRANSIT DETOURS



# ENVIRONMENTAL MANAGEMENT

The design will incorporate best practices to protect the creek environment and aquatic habitat. These measures include:

- Permitting no construction in Sturgeon Creek during spring migration and spawning period (Northern Pike, Sucker)
- Stabilizing southwest riverbank at the Alcott cul-de-sac, while reducing infill of the toe of channel slope
- Preserving riverbanks and returning to their natural state
- Maintaining spawning shoals
- Maintaining and enabling upstream fish passage

