

Regional Municipality of York

# Appendix 5D-5

## Preliminary Design

### *Design Plates for Rail Detours*

**Prepared by:**

AECOM

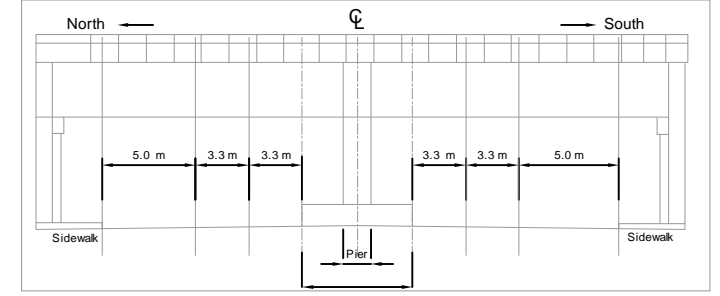
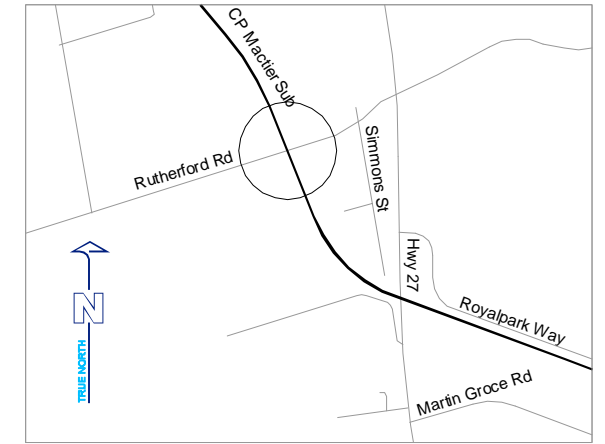
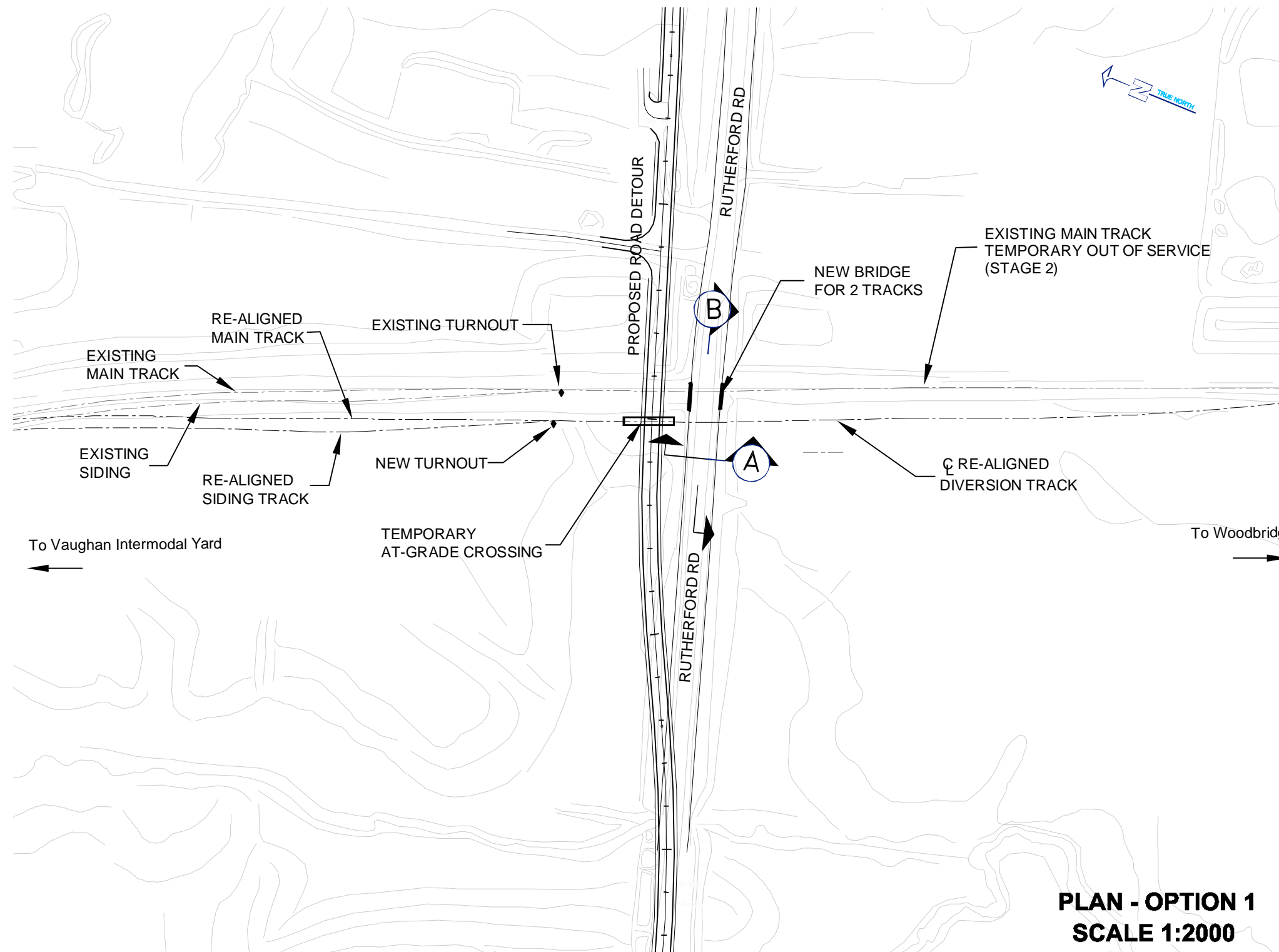
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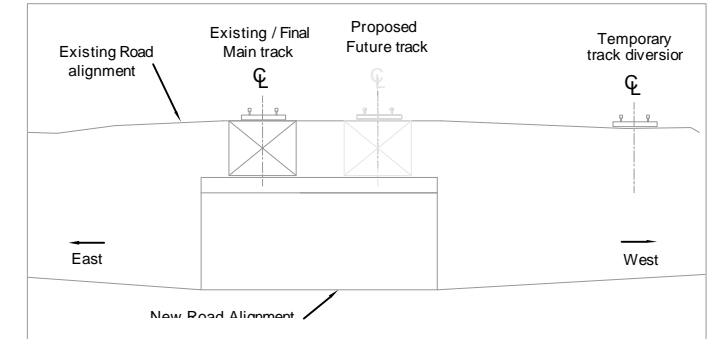
**Date:**

September, 2011





**(A) PROPOSED FINAL ROAD SECTION N.T.S**



**(B) PROPOSED RAILWAY SECTION N.T.S**

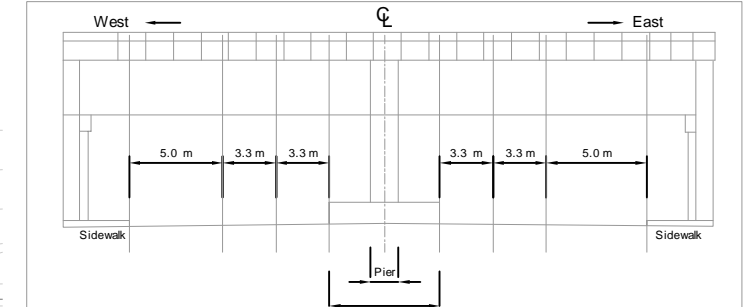
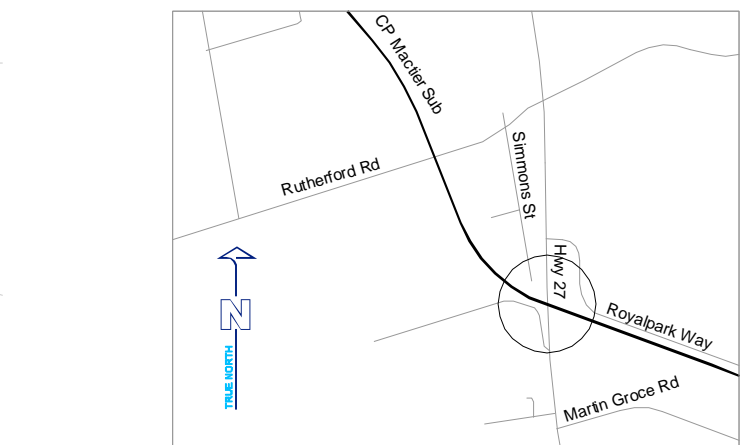
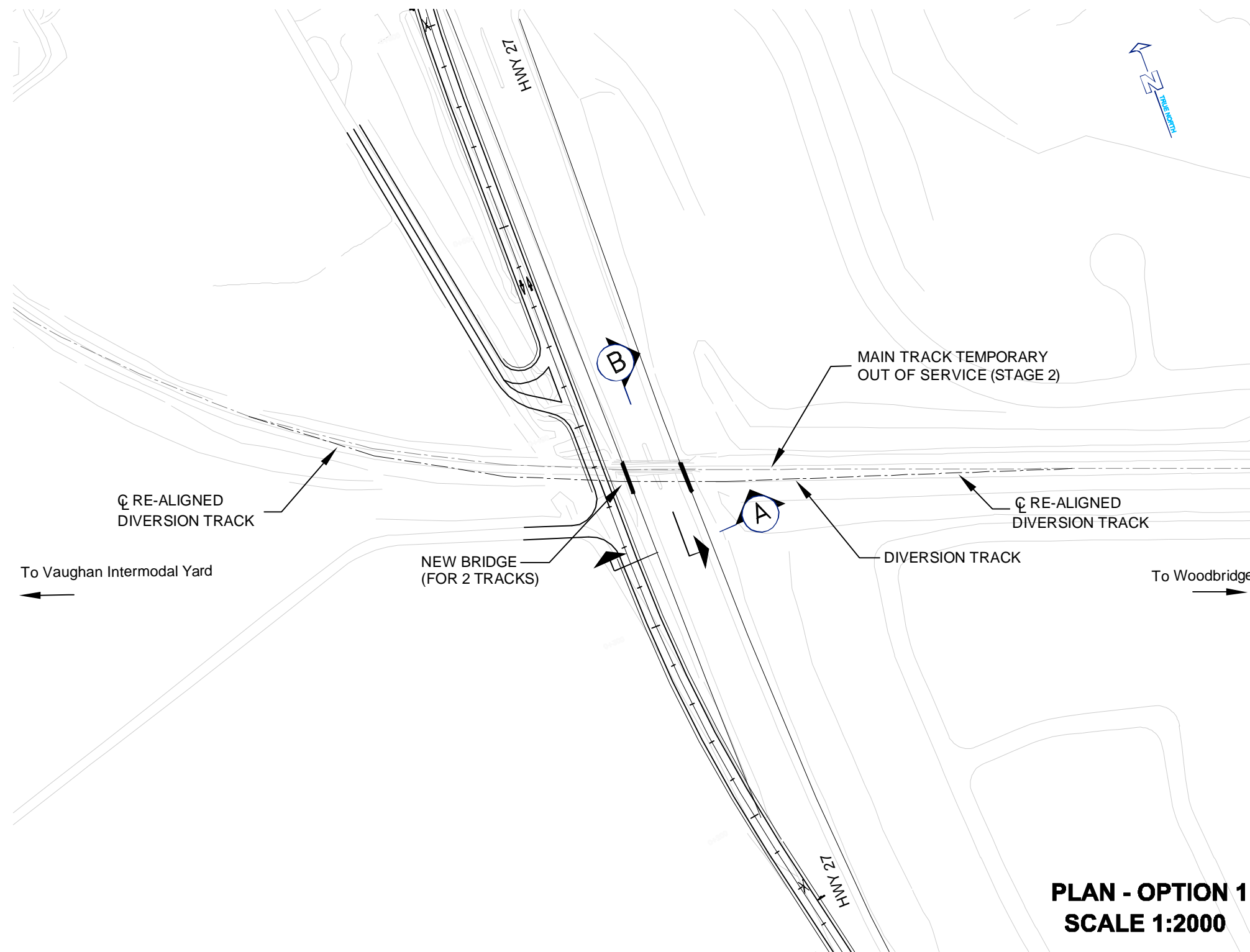
**PLAN - OPTION 1  
SCALE 1:2000**

**STAGE 1**

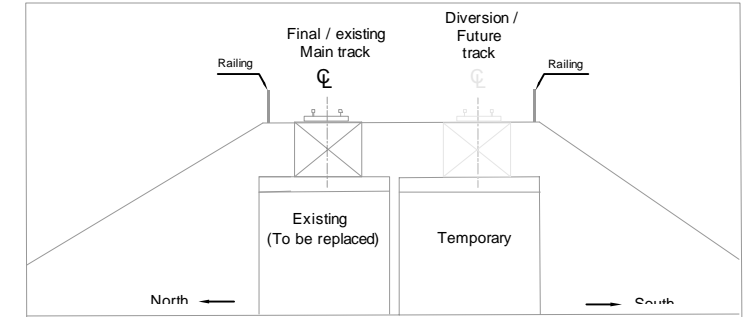
1. CONSTRUCTION TEMPORARY DIVERSION OF MACTIER TRACK - WEST OF MAIN TRACK
2. CONSTRUCTION TEMPORARY DIVERSION OF SIDING TRACK - WEST OF EXISTING
3. CONSTRUCTION APPROACHES OF TEMPORARY ROAD DETOUR - NORTH OF EXISTING ROAD ALIGNMENT
4. NO TRACK DISRUPTION / NO TRACK WORK REQUIRED ON EXISTING TRACKS

**STAGE 2**

1. CONNECT TEMPORARY DIVERSION TO EXISTING MAIN / SIDING TRACKS
2. INSTALLATION OF TEMPORARY AT-GRADE CROSSING SURFACE
3. ALL TRAIN TRAFFIC DIVERTED TO TEMPORARY MAIN / SIDING TRACKS
4. CONSTRUCTION OF NEW BRIDGE AND REPLACEMENT OF MAIN TRACK
5. REMOVAL OF TEMPORARY DIVERSION / SIDING AND RETURN TRAIN TRAFFIC TO ORIGINAL ALIGNMENT.



**(A) PROPOSED ROAD SECTION N.T.S**

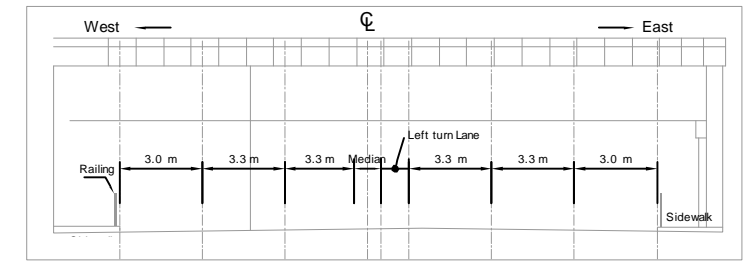
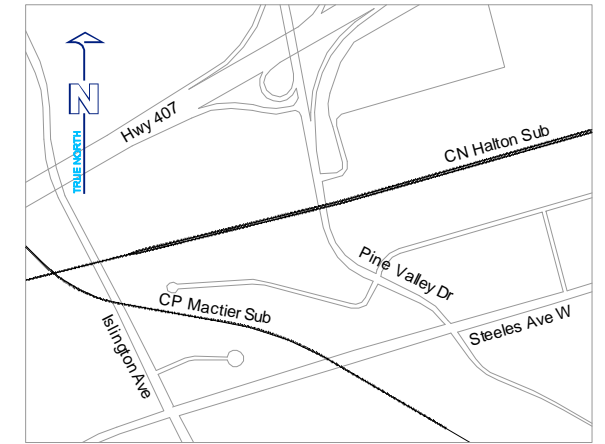
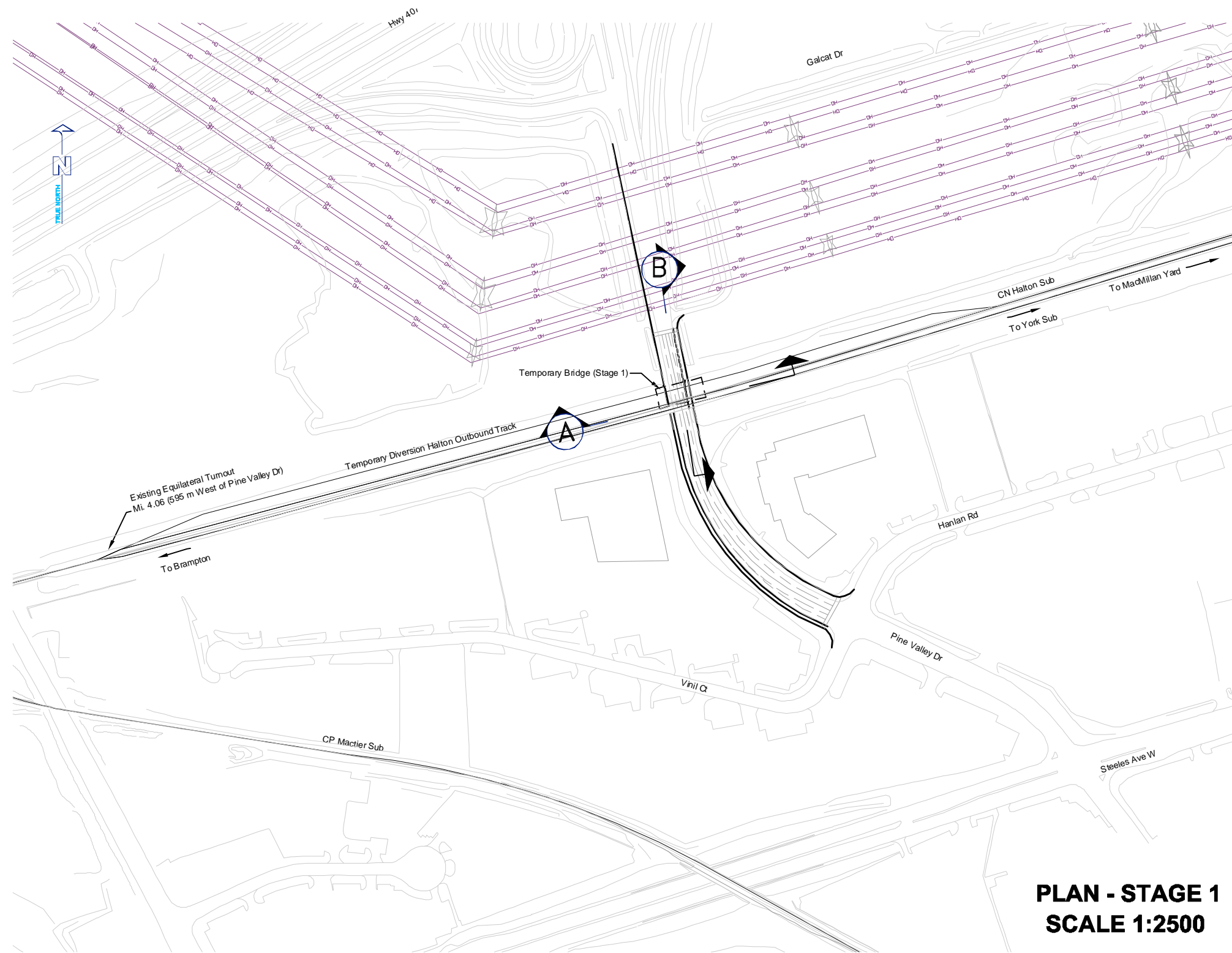


**(B) PROPOSED RAILWAY SECTION N.T.S**

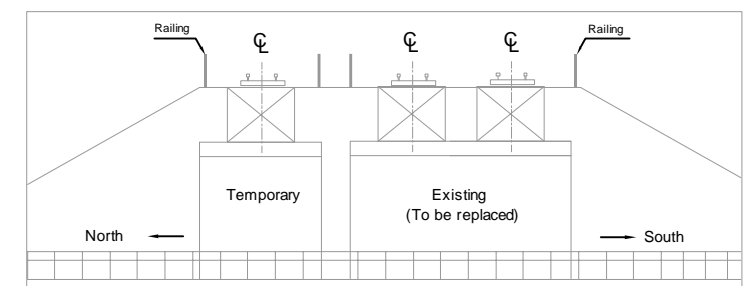
**PLAN - OPTION 1  
SCALE 1:2000**

- STAGE 1**
1. BUILD NEW EMBANKMENT FOR TEMPORARY DIVERSION TRACK (SOUTH)
  2. CONSTRUCTION OF WEST SECTION BRIDGE FOR DIVERSION OF MACTIER TRACK
  3. CONSTRUCT TEMPORARY DIVERSION OF MACTIER TRACK
  4. NO TRACK DISRUPTION / NO TRACK WORK REQUIRED ON EXISTING TRACKS

- STAGE 2**
1. ALL TRAIN TRAFFIC DIVERTED TO TEMPORARY MAIN TRACK
  2. EXISTING BRIDGE DEMOLITION AND CONSTRUCTION OF NEW BRIDGE (NORTH SECTION)
  3. REPLACEMENT OF MAIN TRACK AT THE BRIDGE
  4. REMOVAL OF TEMPORARY TRACK DIVERSION AND REALIGNMENT OF TRACK.



**(A) PROPOSED ROAD SECTION N.T.S**

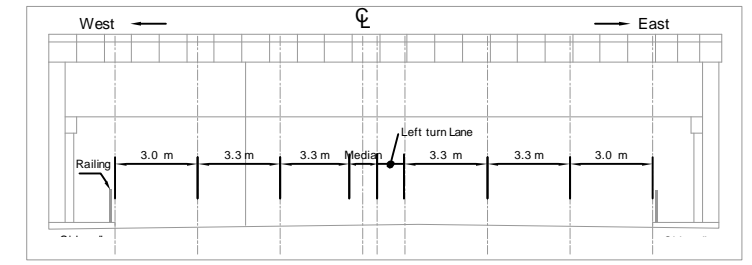
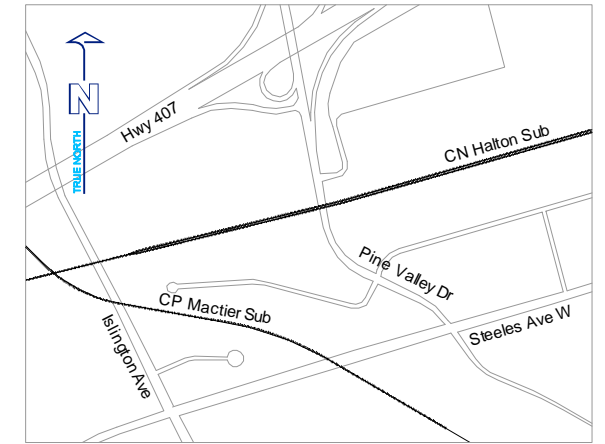
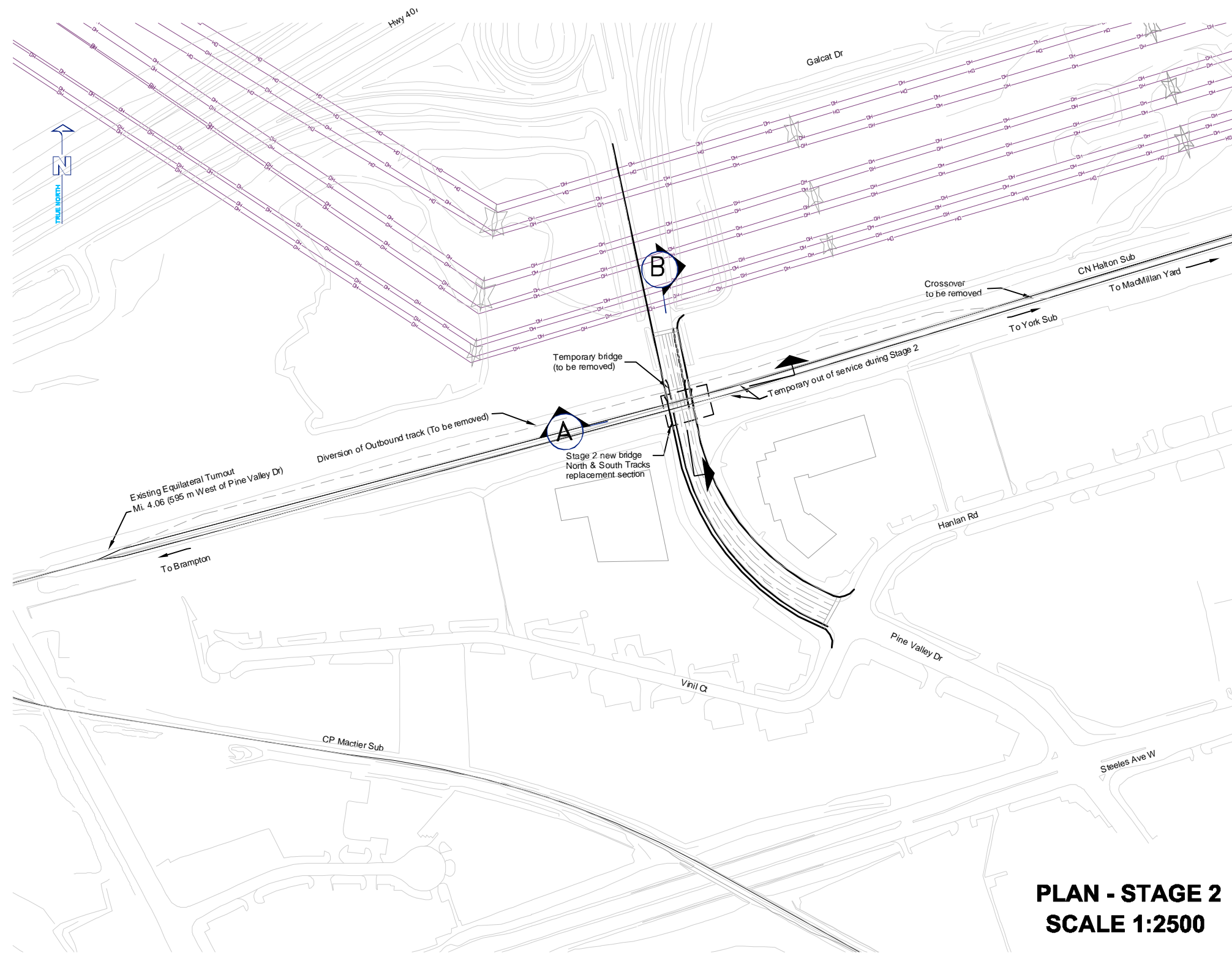


**(B) PROPOSED RAILWAY SECTION N.T.S**

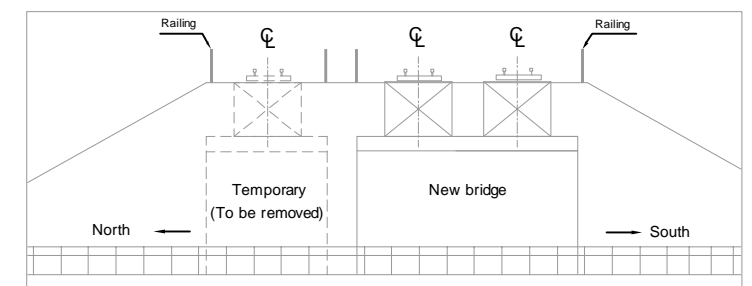
**PLAN - STAGE 1  
SCALE 1:2500**

**STAGE 1**

1. BUILD NEW EMBANKMENT FOR TEMPORARY DIVERSION OF HALTON OUTBOUND TRACK (NORTH)
2. CONSTRUCTION OF TEMPORARY BRIDGE FOR DIVERSION OF HALTON OUTBOUND TRACK (NORTH)
3. CONSTRUCT TEMPORARY DIVERSION OF HALTON OUTBOUND TRACK
4. NO TRACK DISRUPTION / NO TRACK WORK REQUIRED ON EXISTING TRACKS



**(A) PROPOSED ROAD SECTION N.T.S**



**(B) PROPOSED RAILWAY SECTION N.T.S**

**PLAN - STAGE 2  
SCALE 1:2500**

**STAGE 2**

1. INSTALL TEMPORARY CROSSOVER EAST OF PINE VALLEY DRIVE BRIDGE. CONNECT TEMPORARY HALTON OUTBOUND TRACK.  
ALL TRAIN TRAFFIC DIVERTED TO TEMPORARY OUTBOUNDTRACK (NORTH)
2. EXISTING BRIDGE DEMOLITION AND CONSTRUCTION OF NEW BRIDGE.
3. REPLACEMENT OF NORTH AND SOUTH TRACKS AT THE CROSSING.
4. ALL DIVERTED TRAIN TRAFFIC RETURNED TO ORIGINAL TRACK ALIGNMENT.
5. REMOVAL OF TEMPORARY CROSSOVER, BRIDGE STRUCTURE AND TRACK DIVERSION (NORTH OF CROSSING).