



Municipality of
Middlesex Centre
Middlesex County

Glendon Drive
Roundabout and
Coldstream Road
Realignment





Project History

- Project initiated in October 2015 with the Glendon Drive Streetscape Improvements Master Plan Class EA
- Public meetings held throughout 2015, 2016, and 2017
- MECP approval granted and project completed 2019
- Detail design 2021-2023
- Utilities 2023 - 2024

Municipal Class EA

5 Corners' and Coldstream Road

Investigated multiple designs for a 4-leg and 5-leg roundabout to improve safety and reduce property impacts.

Included evaluation of a number of solutions for Coldstream Road.

Prompted additional studies and consultation for Coldstream Road realignments.

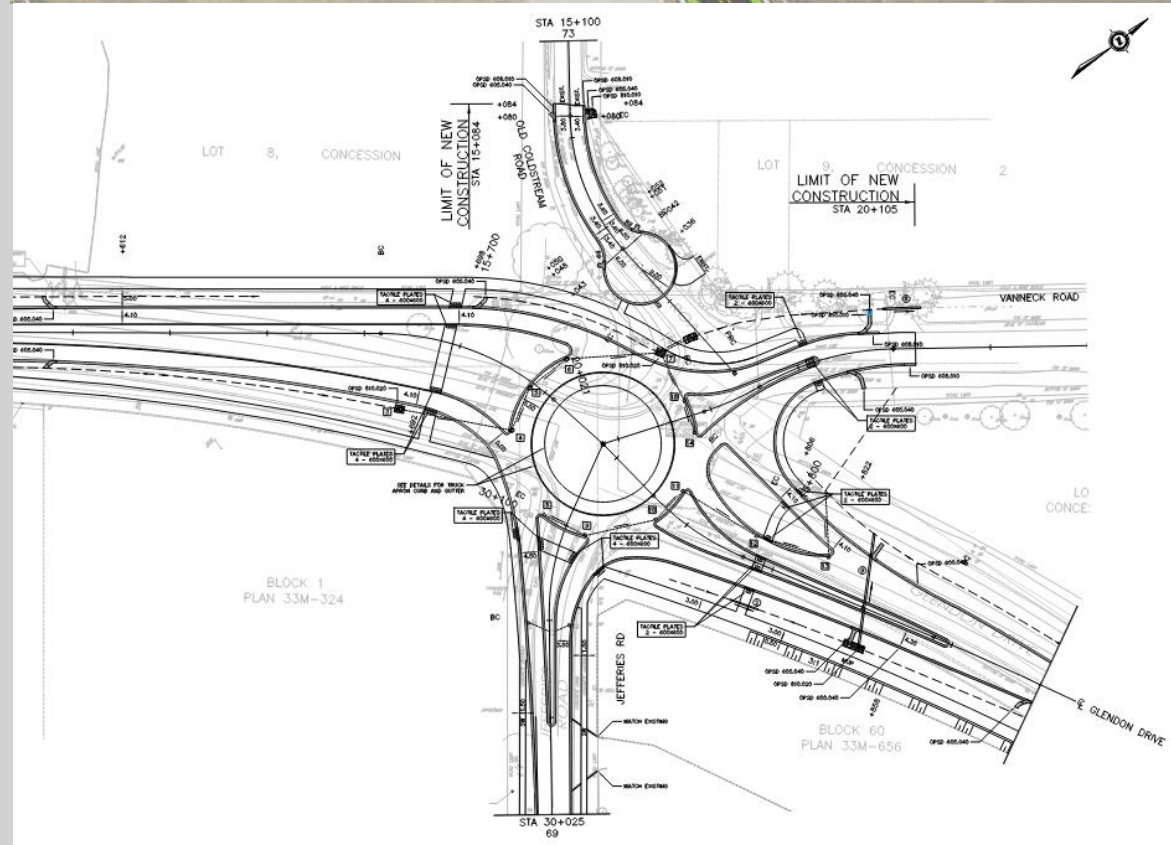
Roundabout

A 4-leg roundabout was designed as per the MCEA recommendations.

Roundabout is currently designed as single lane entry with capability for expansion in the future.

Roundabout integrates active transportation elements to allow for connectivity as the corridor develops.

Roundabout



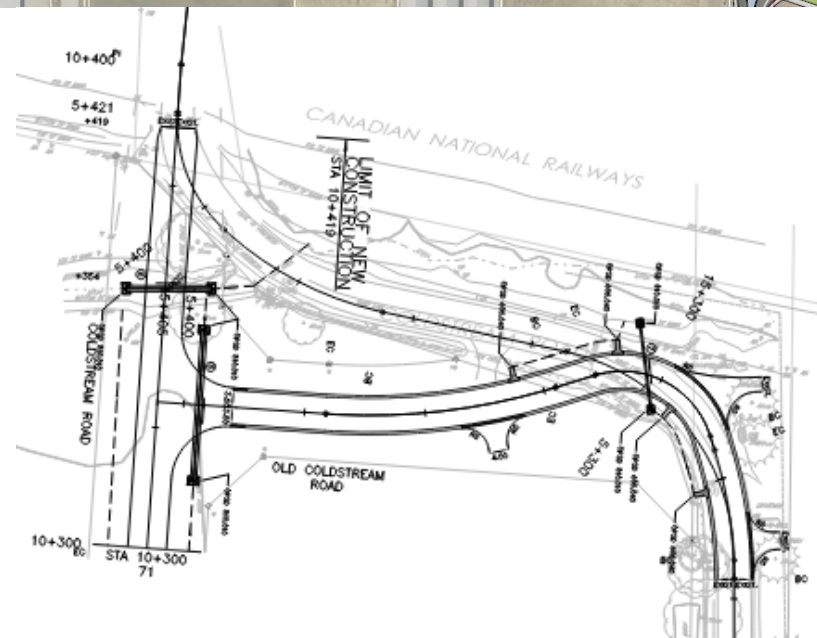
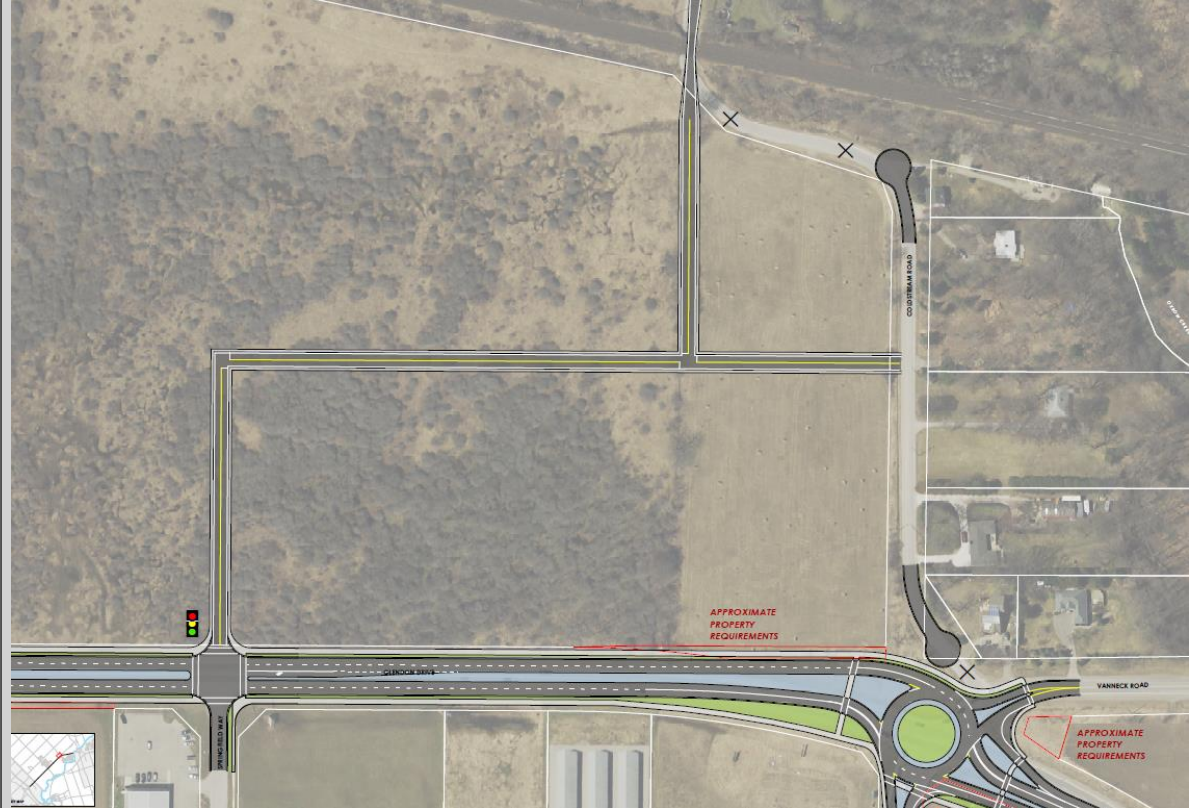
Coldstream Road Realignment

Realigned to match into
Springfield Way at
signalized intersection

Existing Coldstream Road
to have cul-de-sac at
existing Vanneck Road
intersection

Connection to existing
Coldstream Road revised
during design to promote
flexibility of future land use

Coldstream Road Realignment



Construction Staging

Stage 1

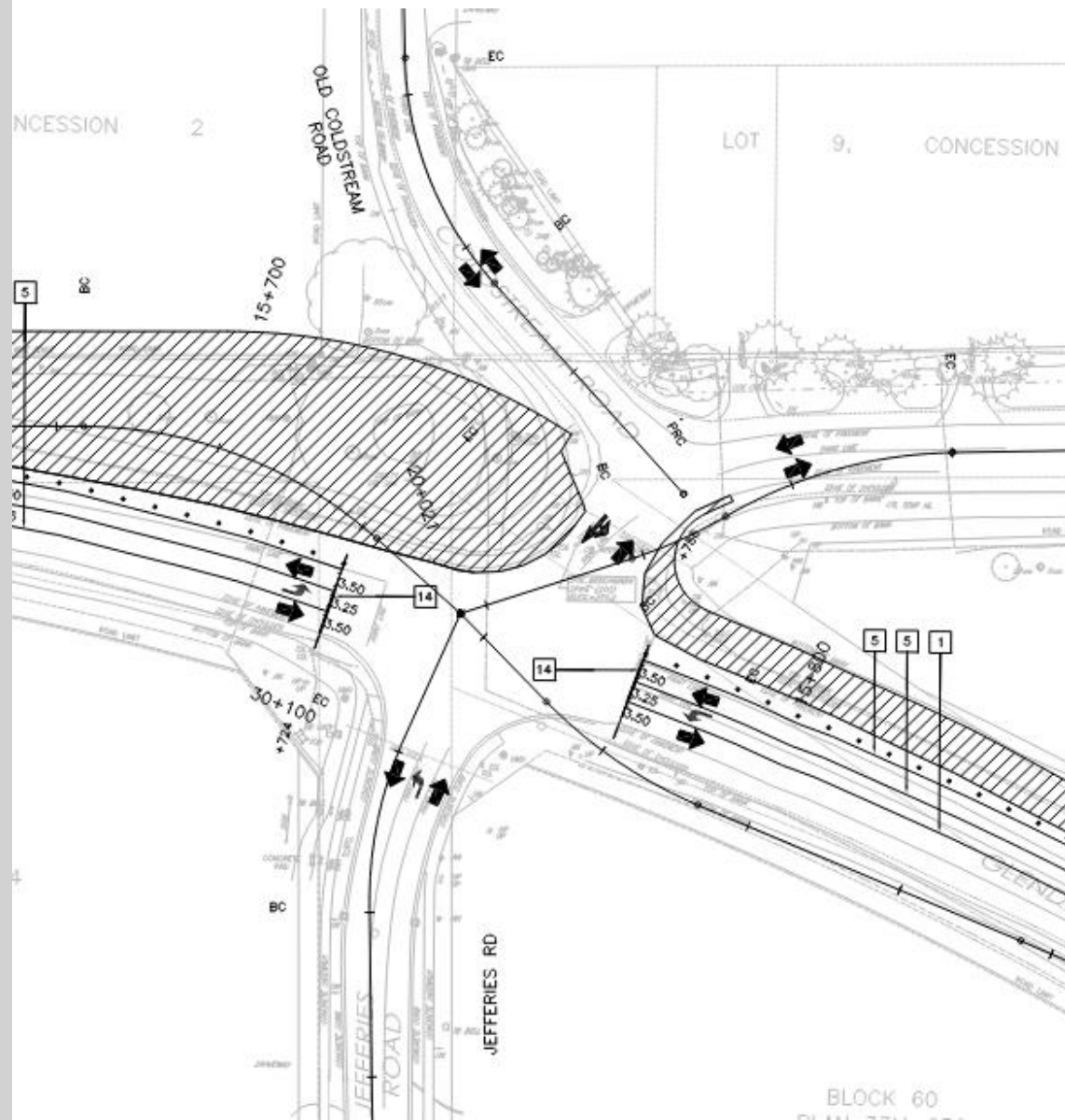
Traffic in intersection is shifted to the south. All intersection movements open to traffic using temporary traffic signals

Construction temporary road alignment north of the intersection

Construction of new Coldstream Road alignment starts. Construction of temporary traffic signals

Construction Staging

Stage 1



Construction Staging

Stage 2A

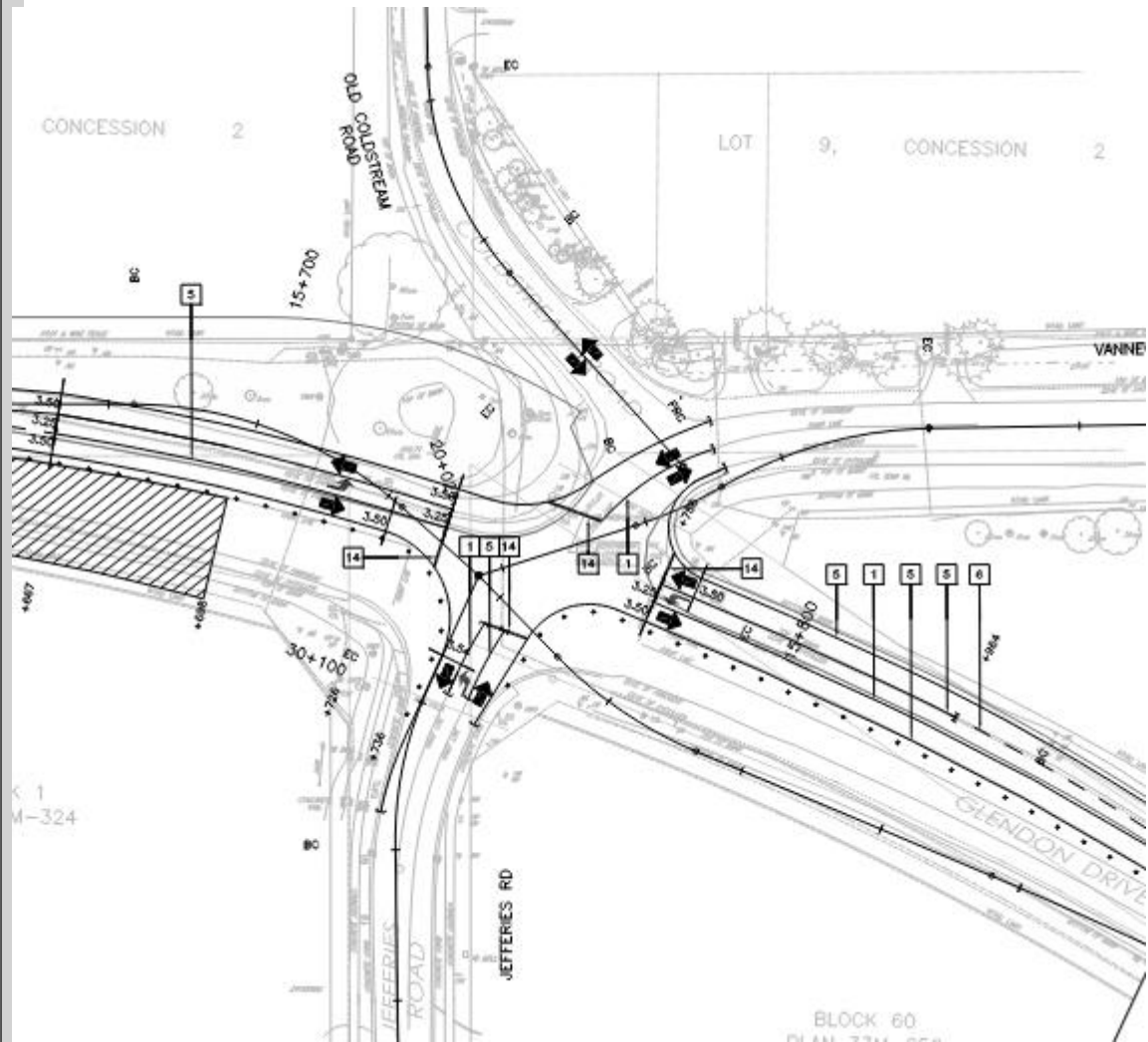
Traffic in intersection is shifted to the north. All intersection movements open to traffic

Construction of southern portion of the roundabout starts

New connection at north end of Coldstream Road complete

Construction Staging

Stage 2A



Construction Staging

Stage 2B

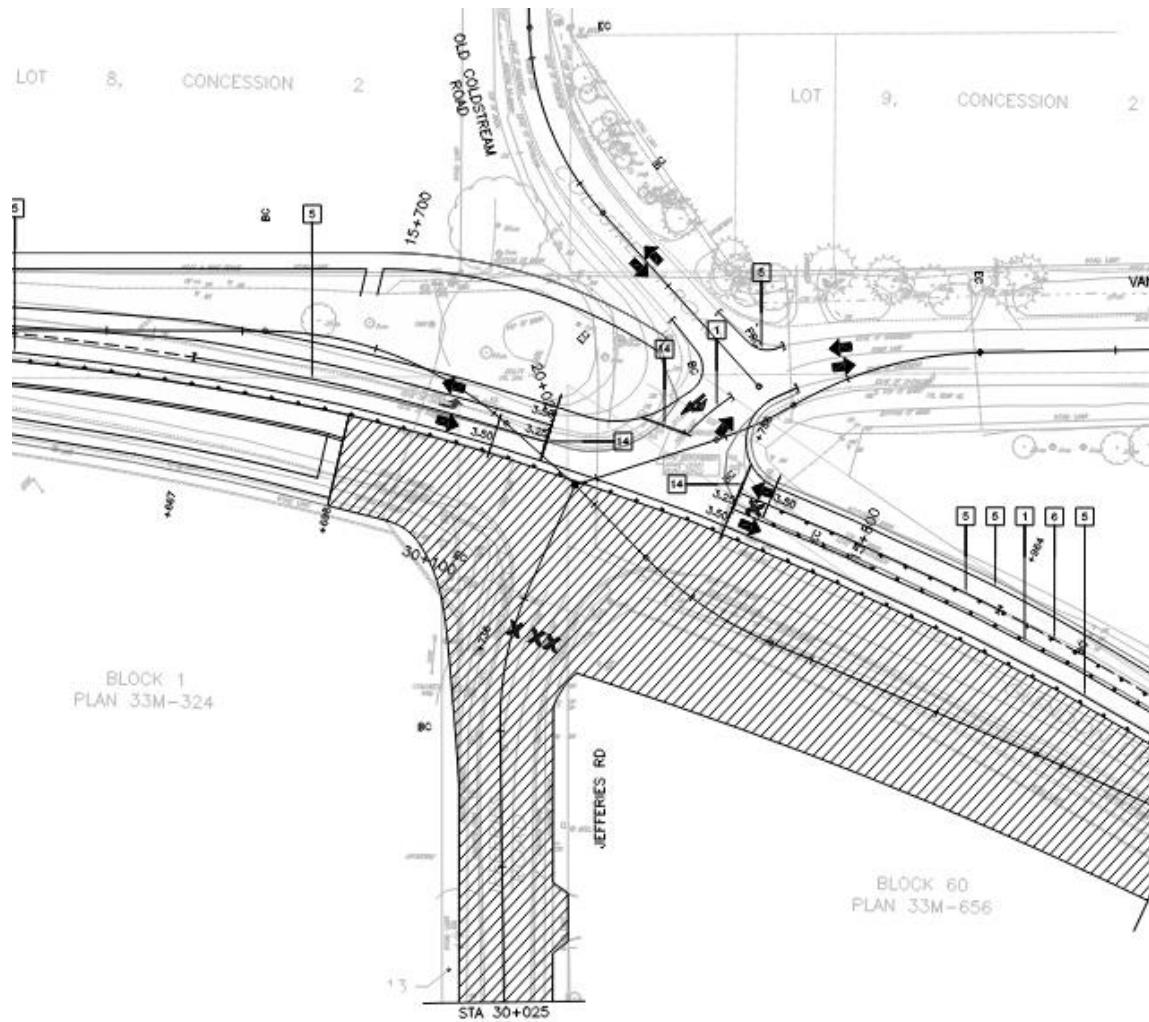
Traffic in intersection is shifted to the north.
Closure of Jefferies Road connection

Construction of south portion of roundabout through Jefferies Road

Construction of new Coldstream Road alignment continues

Construction Staging

Stage 2B



Construction Staging

Jefferies Detour

LEGEND:



Closure Zone



Detour Route



Northbound Detour



Southbound Detour



Posted Mounted Sign



Advanced Warning Signs



Construction Staging

Stage 2C

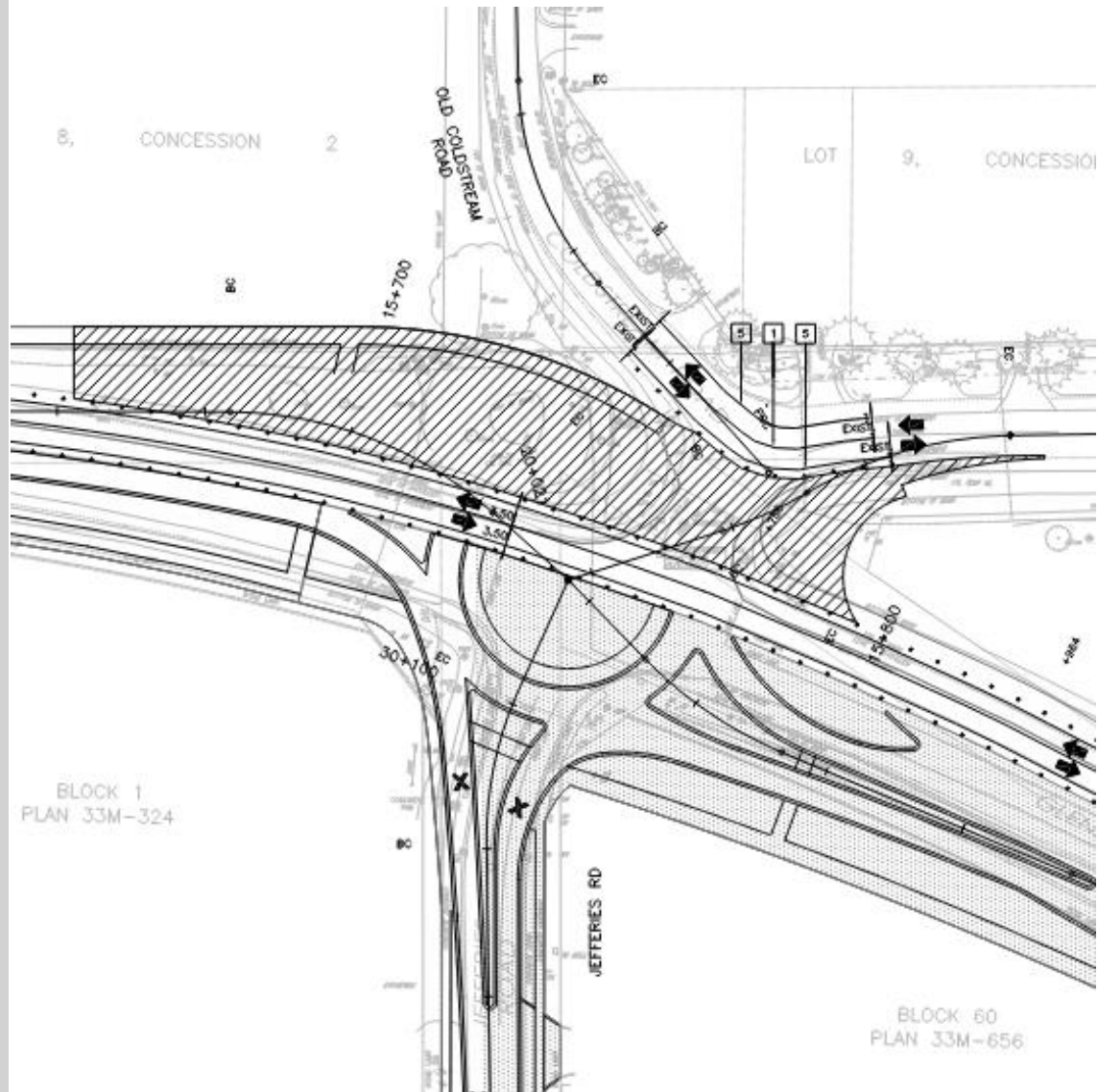
Traffic in intersection is shifted to the north. Temporary connection of Vanneck Road made to Coldstream Road

Construction of north portion of roundabout through existing Vanneck Road / Coldstream Road

Construction of new Coldstream Road complete and open to traffic, connecting at Springfield Way

Construction Staging

Stage 2C



Construction Staging

Jefferies and Vanneck Detours

LEGEND:



Closure Zone



Detour Route



Northbound Detour



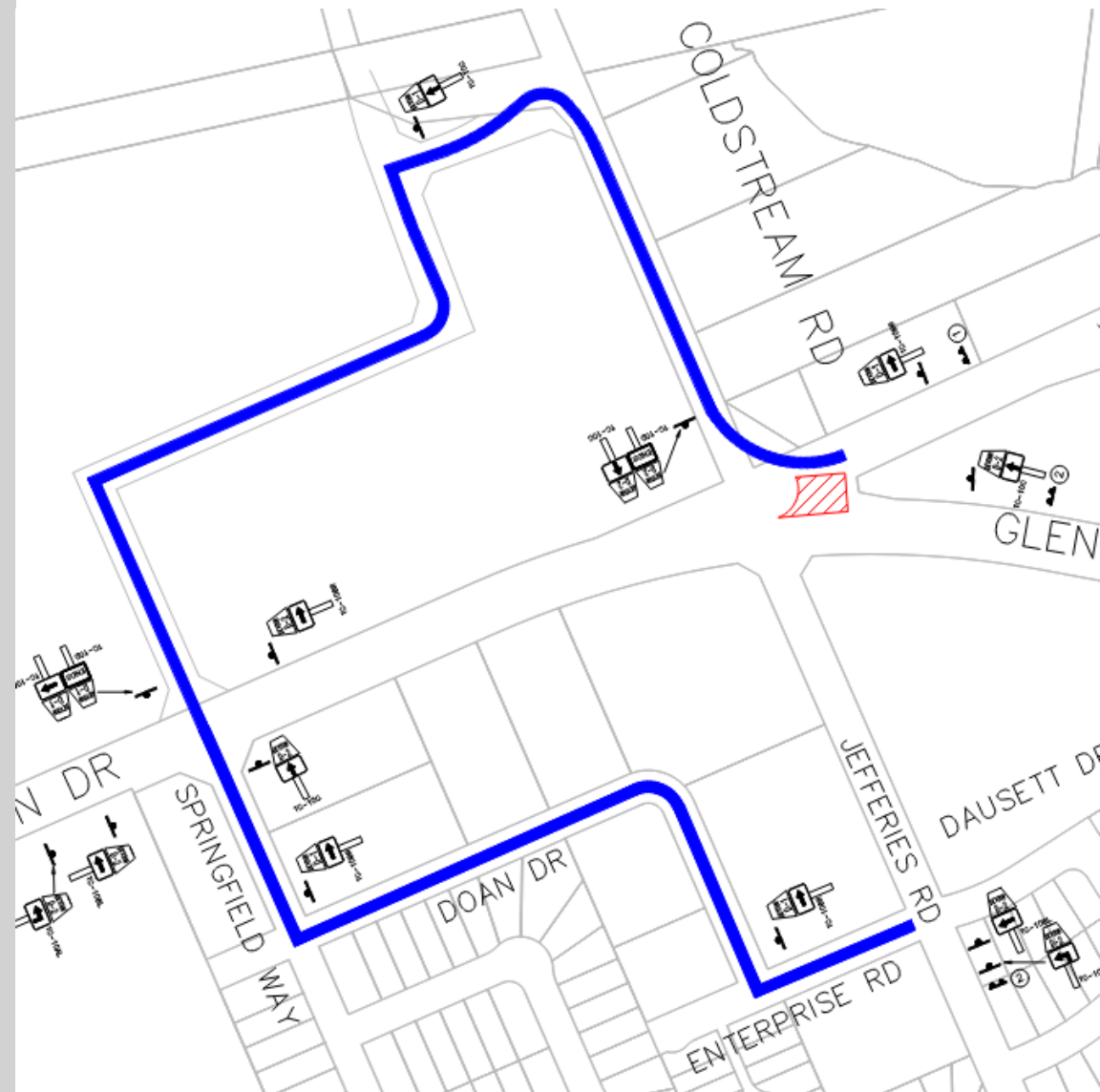
Southbound Detour



Posted Mounted Sign



Advanced Warning Signs



Construction Staging

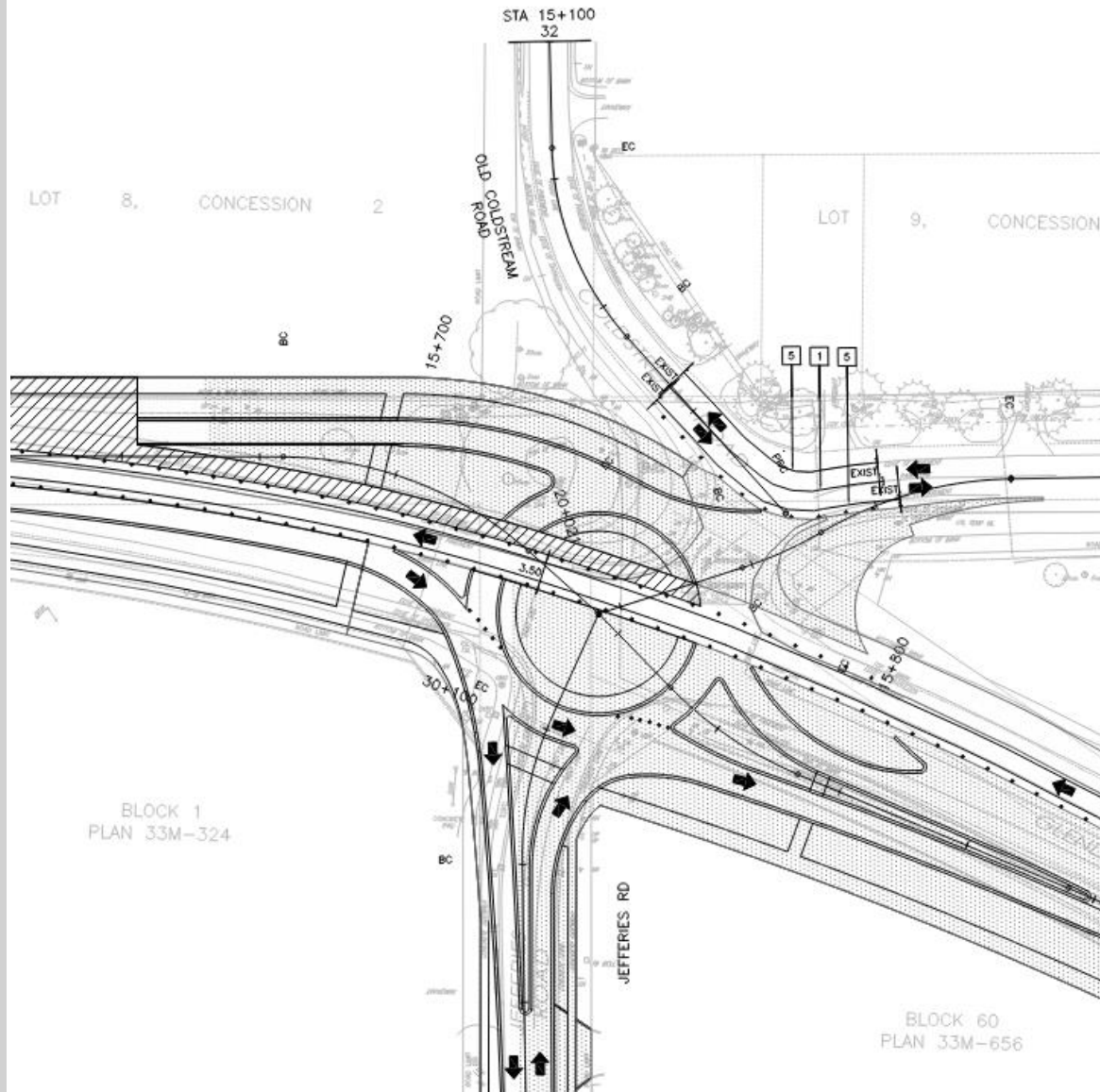
Stage 3A

Traffic partially shifted
through the roundabout.
Jefferies Road connection
reopened to eastbound traffic

Construction of roundabout
north of the intersection
continues to west of the
intersection

Construction of new
Coldstream Road complete
and open to traffic,
connecting at Springfield Way

Stage 3A



Construction Staging

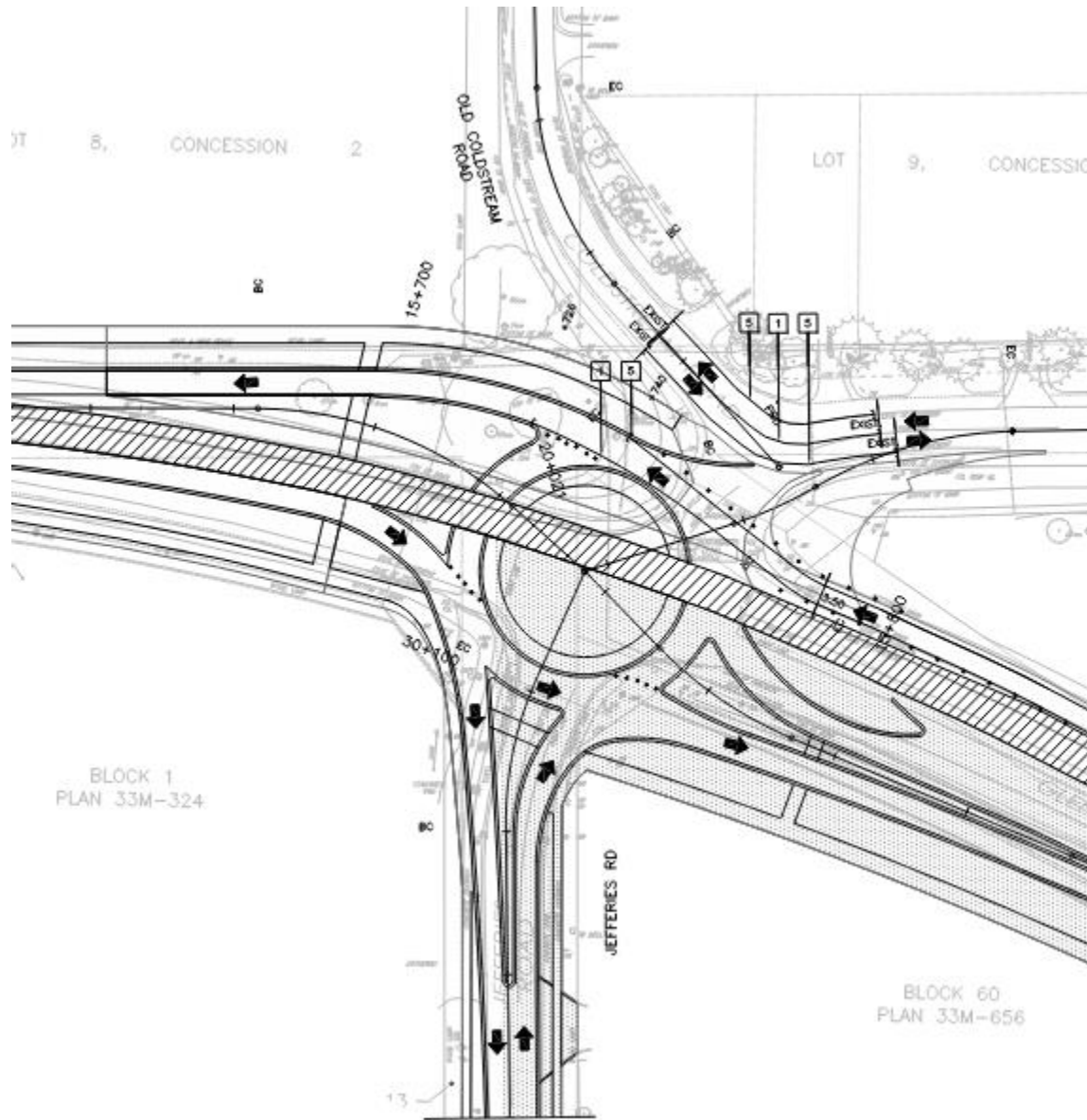
Stage 3B

Traffic partially shifted
through the roundabout.
Jefferies Road connection
open to eastbound traffic

Construction of roundabout
through the centre of the
intersection

Construction of new
Coldstream Road complete
and open to traffic,
connecting at Springfield Way

Stage 3B



Construction Staging

Stage 4A

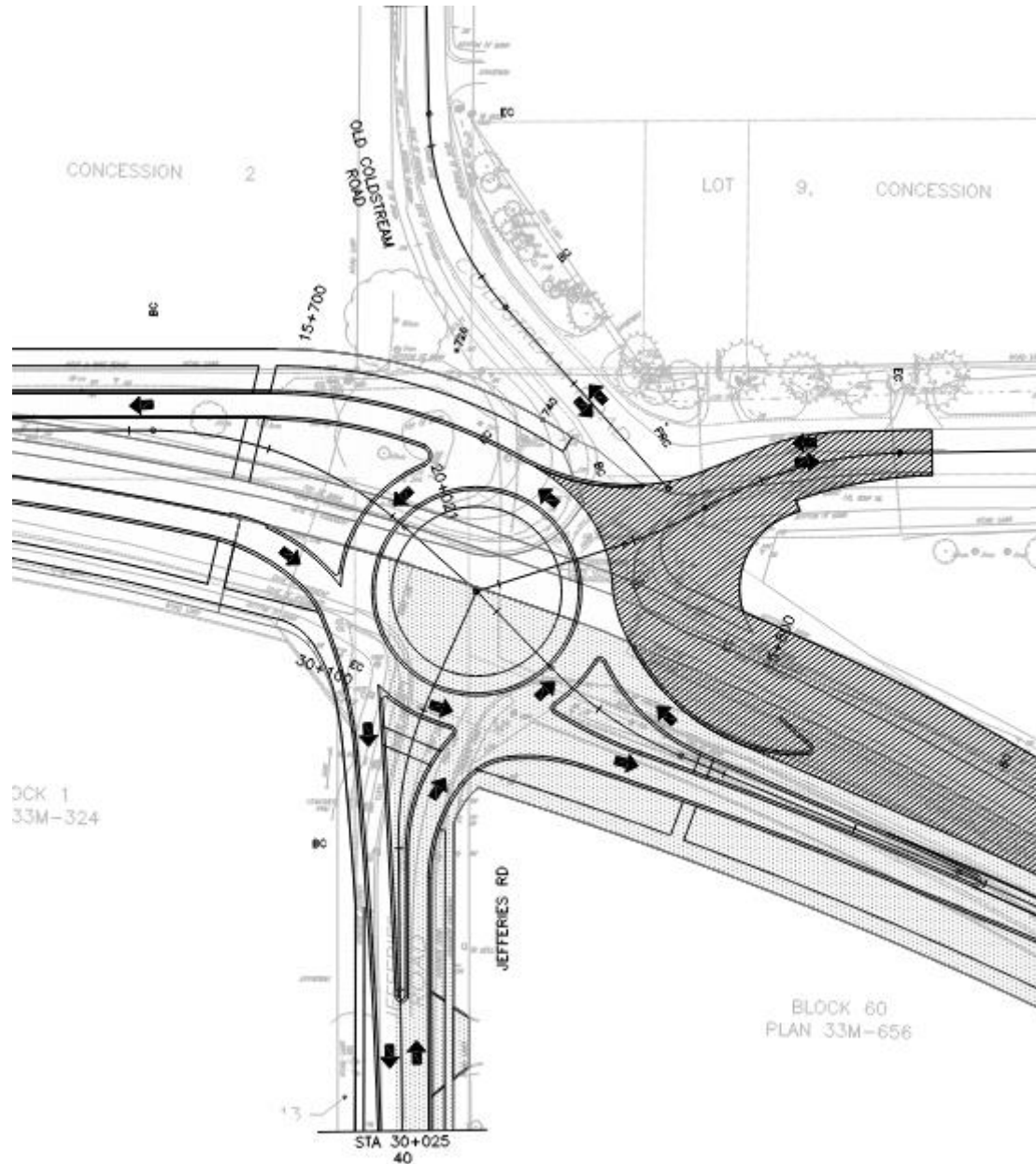
Traffic flowing through the roundabout. Vanneck Road still diverted through Coldstream Road. Jefferies Road connection reopened

Construction of the Vanneck Road connection using daytime lane closures

Construction of new Coldstream Road complete and open to traffic, connecting at Springfield Way

Construction Staging

Stage 4A



Construction Staging

Stage 4B

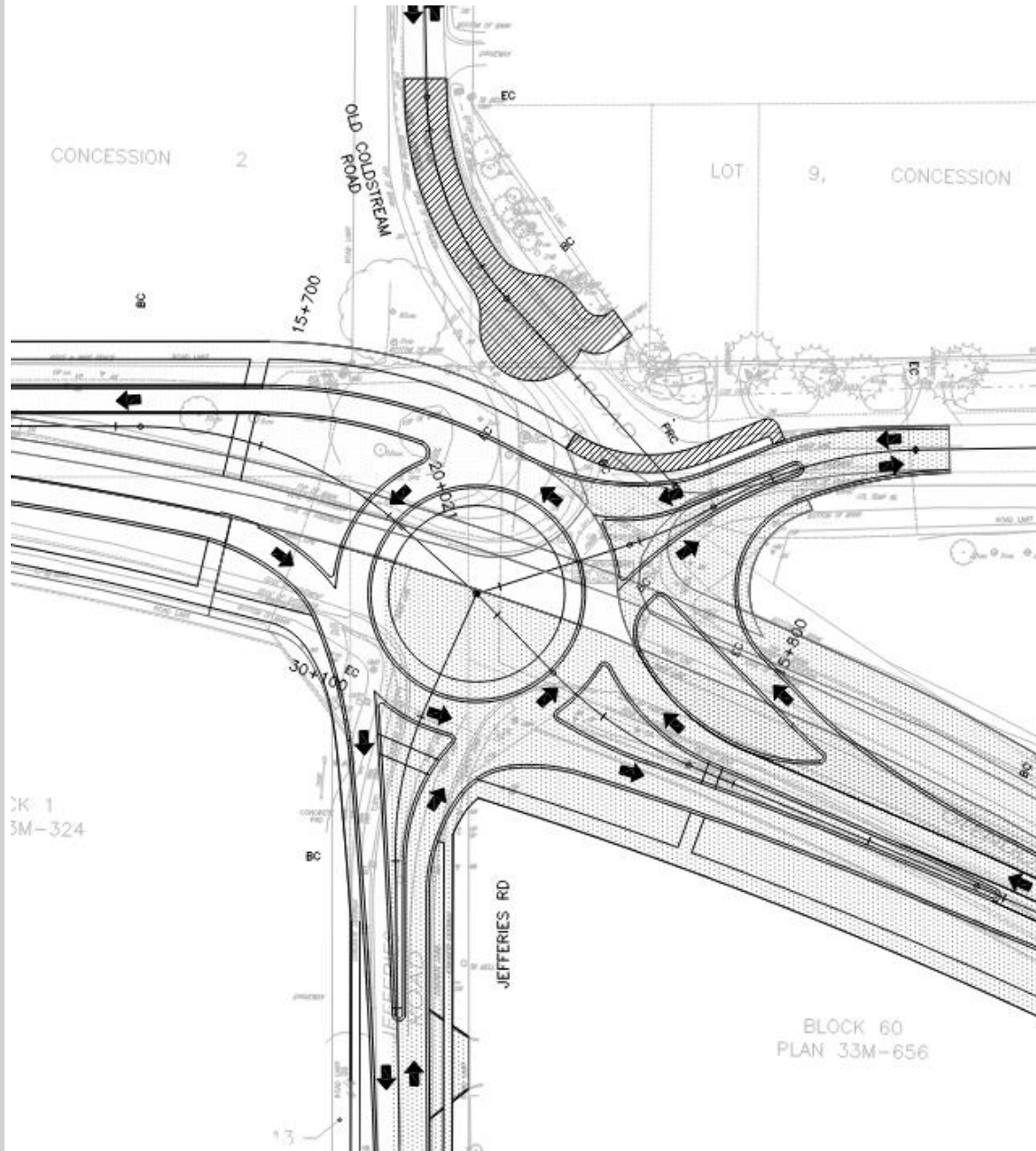
Traffic flowing through the roundabout. All legs connected and reopened.

Construction of the final roundabout elements and landscaping.

Construction of new Coldstream Road cul-de-sac at Vanneck Road

Construction Staging

Stage 4B



Landscaping



TREE PROTECTION FENCING:



EXISTING DECIDUOUS TREE



EXISTING CONIFEROUS TREE



DECIDUOUS TREE



CONIFEROUS TREE



SHRUB



DELIVER LIFESTONE



PERENNIALS / ORNAMENTAL GRASSES



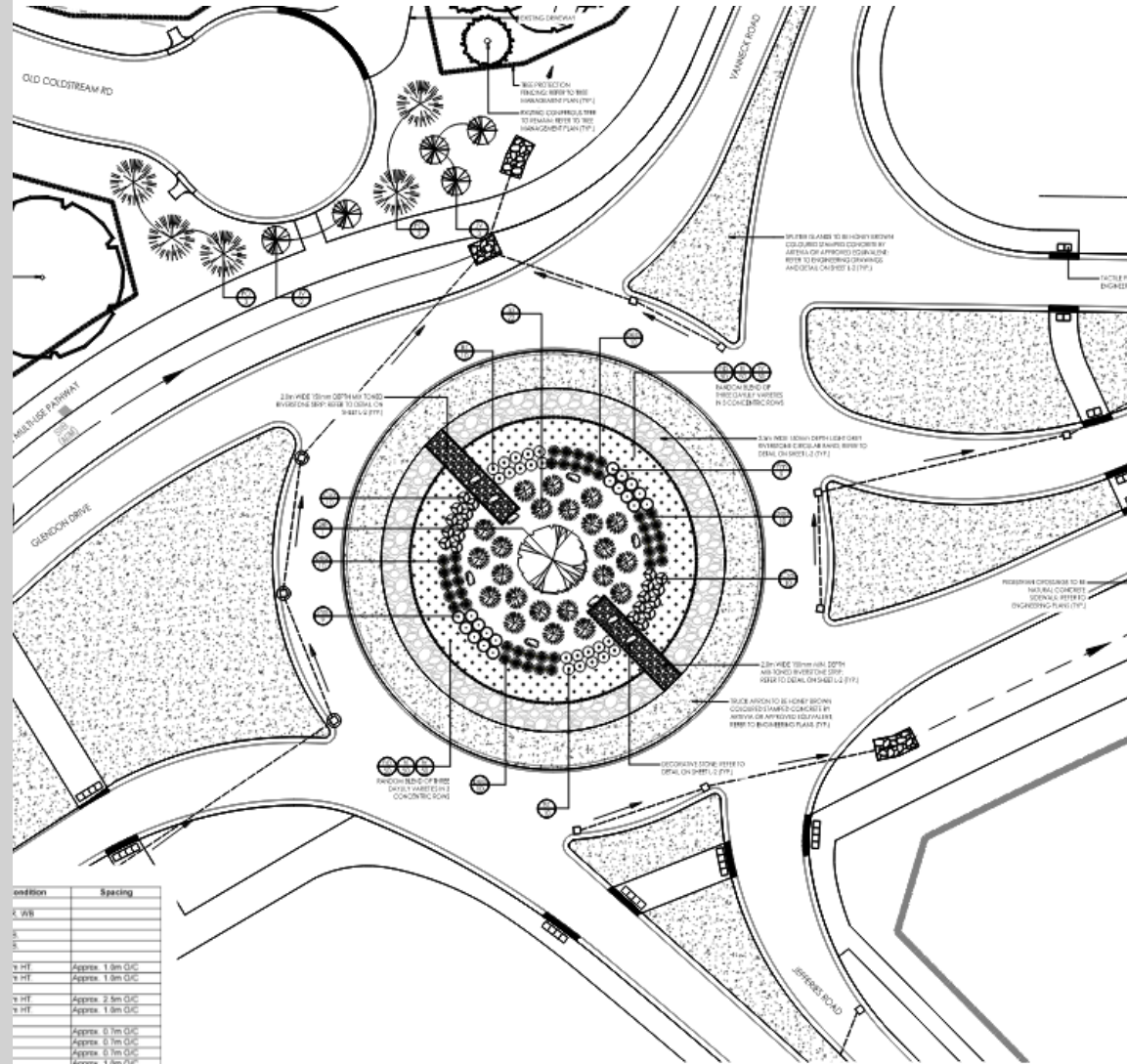
COLOURED STAMPED CONCRETE



MIX-TONED RIVERSTONE STRIP®



ALUMINUM EDGING



| condition | Spacing |
|-----------|------------------|
| 5 WB | |
| 5 | |
| 5 | |
| 7 HT | Approx. 1.0m G/C |
| 7 HT | Approx. 1.0m G/C |
| 7 HT | Approx. 2.5m G/C |
| 7 HT | Approx. 1.0m G/C |
| | Approx. 0.7m G/C |
| | Approx. 0.7m G/C |
| | Approx. 0.7m G/C |
| | Approx. 1.0m G/C |

Schedule

