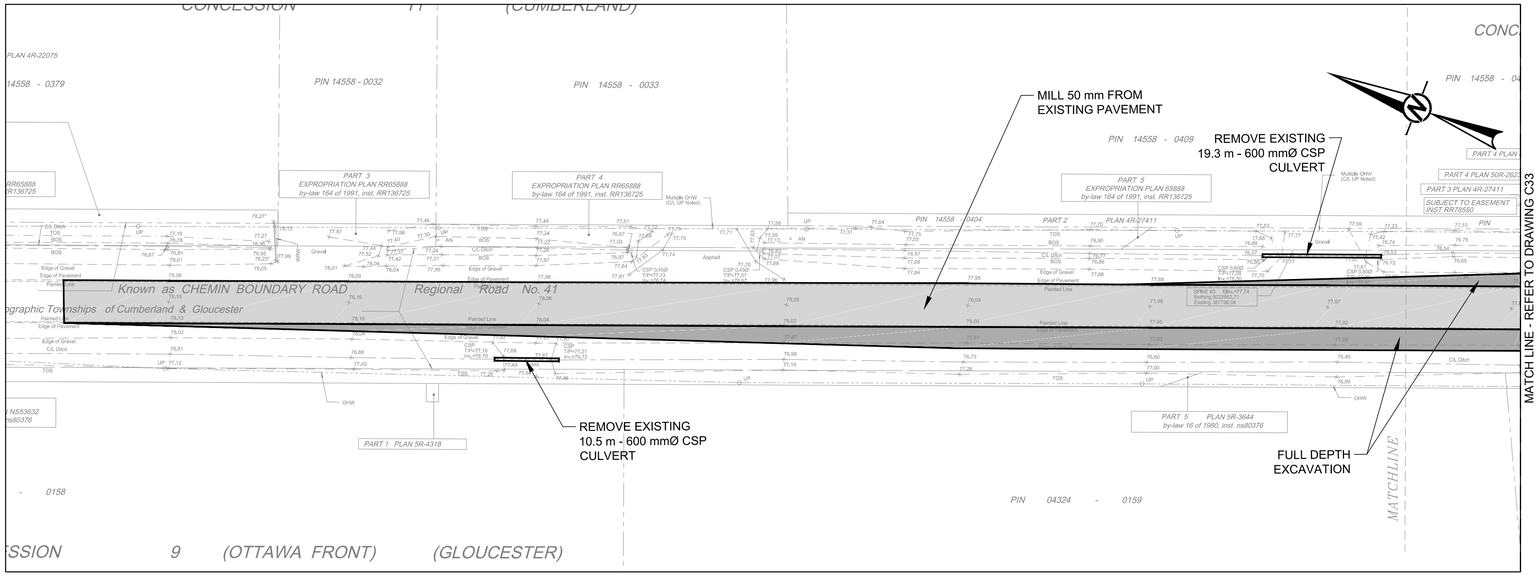

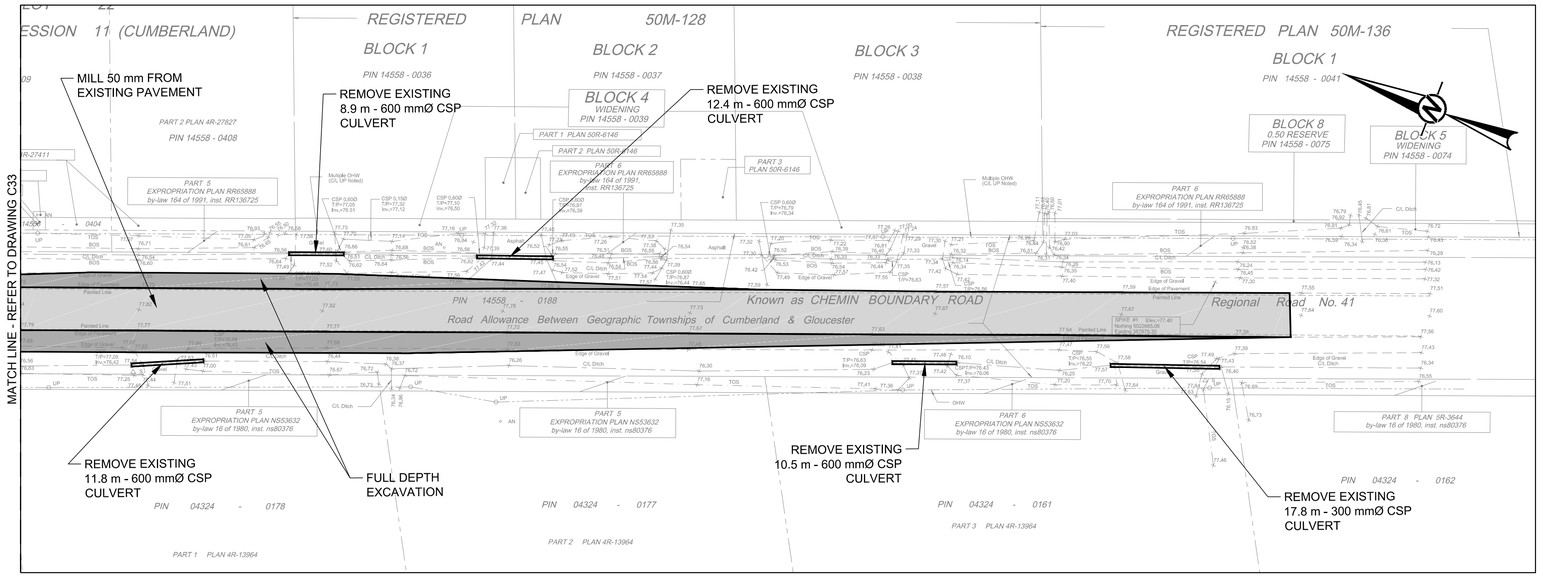

NOTE(S)

OVERLAY

THE EXISTING PAVEMENT STRUCTURE ALONG BOUNDARY ROAD MAIN LANES IS NOT SUFFICIENT TO CARRY THE ANTICIPATED DESIGN TRAFFIC LOADING AND STRENGTHENING IS REQUIRED BY OVERLAY.

- MILL 50 MILLIMETRES OF EXISTING HOT MIX ASPHALT (HMA)
- ADD 90 MILLIMETRES NEW HOT MIX ASPHALT (HMA) CONSISTING OF
  - 40 MILLIMETRES SP 12.5 FC 2, TRAFFIC CATEGORY D, PGAC 64-34; AND,
  - 50 MILLIMETRES SP 19.0, TRAFFIC CATEGORY D, PGAC 64-34.

*THE RESULTING GRADE RAISE WOULD BE ABOUT 40 MILLIMETRES

WIDENING

- WITHIN THE EXISTING SHOULDER EXCAVATE FULL DEPTH STARTING AT THE EDGE OF PAVEMENT AND REMOVE ALL ORGANIC MATERIAL AND TOPSOIL;
- PLACE 150 MILLIMETRES HMA
  - 40 MILLIMETRES SP 12.5 FC 2, TRAFFIC CATEGORY D, PGAC 64-34; AND,
  - 100 (50+50) MILLIMETRES SP 19.0, TRAFFIC CATEGORY D, PGAC 64-34.
- PLACE 250 MILLIMETRES NEW GRANULAR A TO MATCH EXISTING UNDER TRAFFIC LANE;
- PROVIDE 680 MILLIMETRES OF NEW GRANULAR B TYPE II TO MATCH BOTTOM OF EXISTING UNDER TRAFFIC LANE.
- PROVIDE FOR A 40 MILLIMETRES DEEP BY 300 MILLIMETRES WIDE LONGITUDINAL STEP JOINT WHEN TYING INTO THE EXISTING PAVEMENT.

SITE ACCESS ROAD

- REMOVE ALL ORGANIC MATERIAL AND TOPSOIL (ABOUT 320 MILLIMETRES)
- PROVIDE 150 MILLIMETRES (40+50+50) NEW HMA
  - 50 MILLIMETRES SP 12.5 FC 2, TRAFFIC CATEGORY D, PGAC 64-34; AND,
  - 100 (50+50) MILLIMETRES SP 19.0, TRAFFIC CATEGORY D, PGAC 64-34.
- PROVIDE 150 MILLIMETRES NEW GRANULAR A,
- PROVIDE 500 MILLIMETRES NEW GRANULAR B TYPE II

PAVED SHOULDERS

PARTIALLY PAVED AND FULLY PAVED SHOULDERS (WHERE REQUIRED) SHOULD BE PROVIDED AS THE FOLLOWS:

- PARTIALLY AND FULLY PAVED SHOULDERS TO CONSIST OF 40 MILLIMETRES SUPERPAVE 12.5 FC1 OVER 50 MILLIMETRES SUPERPAVE 19.0 UPPER BINDER COURSE.

IF IT IS ANTICIPATED THAT TRAFFIC MAY USE THE FULLY PAVED SHOULDER AS A TURNING LANE OR SLIP-AROUND LANE, THEN BOTH THE BINDER AND SURFACE COURSE ASPHALT LIFTS SHOULD BE PLACED OVER THE FULL SHOULDER WIDTH.

HOT MIX AND GRANULAR CONVERSION FACTORS

- SUPERPAVE 12.5 FC2 - 2.390 T/M3 ;
- SUPERPAVE 19.0 - 2.460 T/M3
- GRANULAR A - 2.4 T/M3 ; AND,
- GRANULAR B TYPE II - 2.4 T/M3.

GRANULAR PAVEMENT MATERIALS

THE GRANULAR BASE AND SUBBASE FOR NEW CONSTRUCTION SHOULD CONSIST OF (OPSS.MUNI 1010) GRANULAR A AND GRANULAR B TYPE II, RESPECTFULLY.

SUBGRADE FILL, IF REQUIRED COULD CONSIST OF SELECT SUBGRADE MATERIAL IN ACCORDANCE WITH OPSS.MUNI 1010.

REFERENCE(S)

1. TOPOGRAPHIC SURVEY PROVIDED IN A DIGITAL FORMAT BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD., JOB No. XRF-AOV-2017_Survey_BoundaryRD, FIELD WORK COMPLETED ON November 22, 2017.
2. PROPOSED BOUNDARY ROAD SITE ACCESS GEOMETRY PROVIDED BY TAGGART GROUP OF COMPANIES, TECHNICAL SUPPORT DOCUMENT #9, TRAFFIC IMPACT STUDY.
3. COORDINATE SYSTEM, HORIZONTAL DATUM MTM ZN9, VERTICAL DATUM: CGVD28.

0 20 40
1:500 METRES

REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED
1	2018-06-15	ISSUED FOR SITE PLAN APPROVAL	MHK	MLF	DVK	DVK

SEAL

LICENSED PROFESSIONAL ENGINEER
June 15, 2018
M.H.H. KNOWLES
100113290
PROVINCE OF ONTARIO

CLIENT
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PROJECT
CAPITAL REGION RESOURCE RECOVERY CENTRE

TITLE
BOUNDARY ROAD EXISTING CONDITION AND REMOVALS PLAN

PROJECT NO.	CONTROL	REV.	of	DRAWING
1787048	0005	A		C33

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

25 mm

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