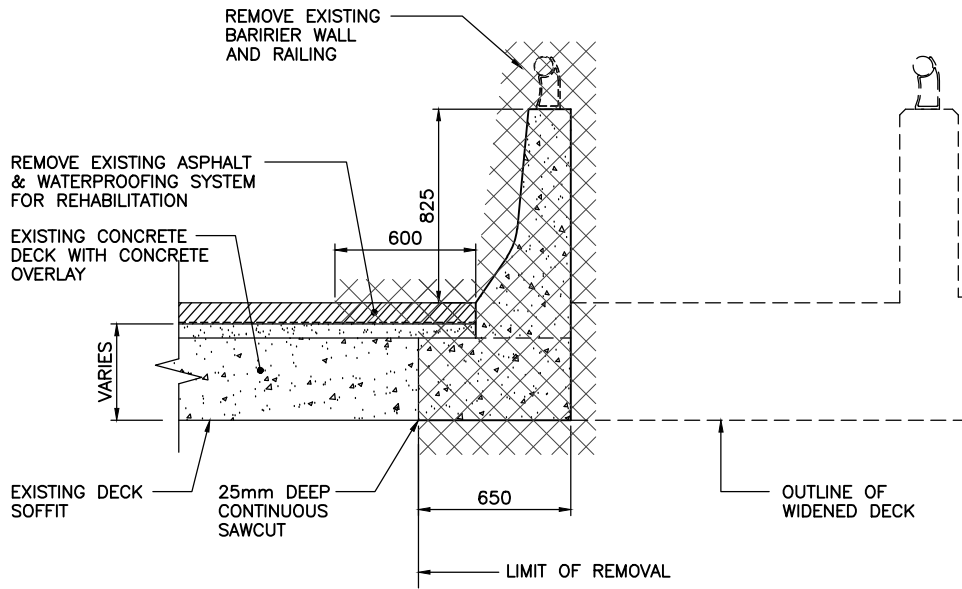
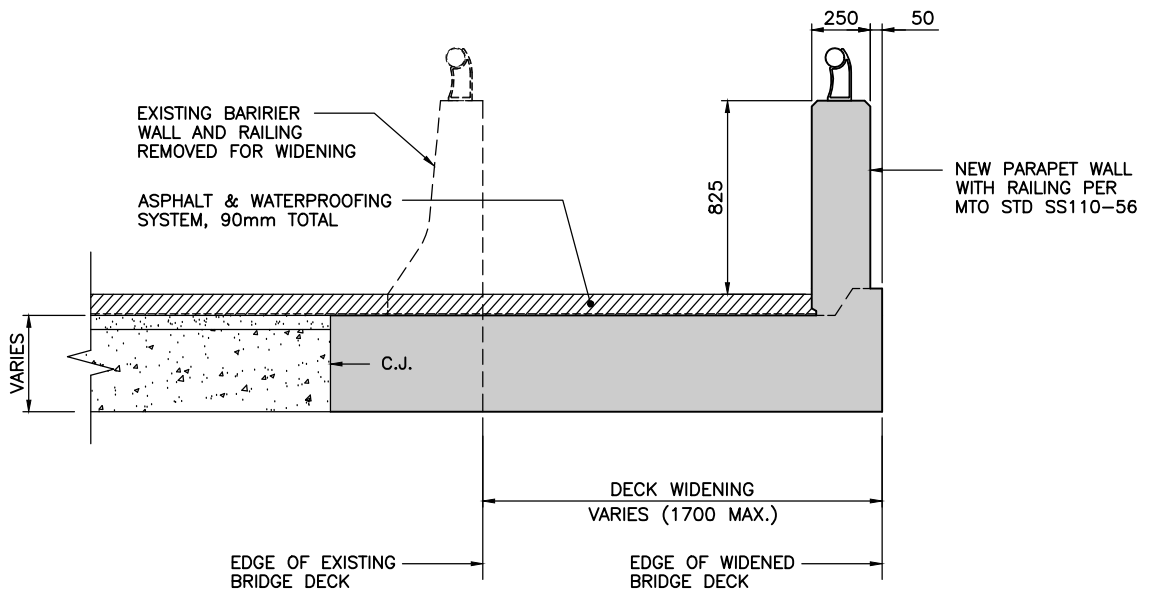

APPENDIX 13

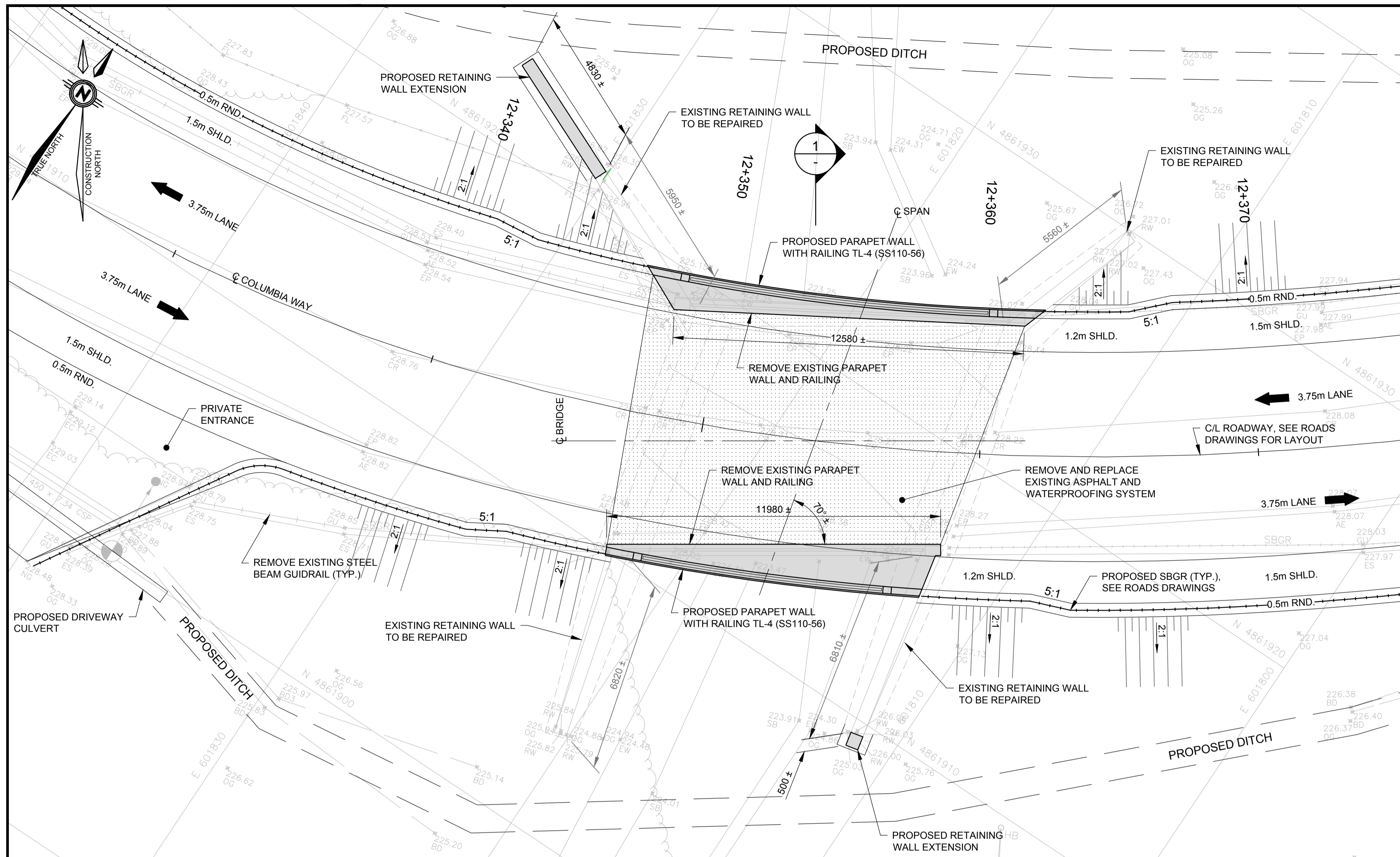
BRIDGE DECK WIDENING



REMOVAL FOR WIDENING
N.T.S.



BRIDGE DECK WIDENING DETAIL
N.T.S.



- GENERAL NOTES**
- CLASS OF CONCRETE:
 - PRECAST CONCRETE..... 35 MPa
 - REMAINDER..... 35 MPa
 - CLEAR COVER TO REINFORCING STEEL:
 - PRECAST CONCRETE 60±10
 - FOOTING 100±25
 - REMAINDER 70±20 UNLESS OTHERWISE NOTED
 - REINFORCING STEEL:
 - REINFORCING STEEL SHALL BE GRADE 400W UNLESS OTHERWISE SPECIFIED.
 - BAR MARKS WITH PREFIX 'C' DENOTE COATED BARS.
 - BAR MARKS WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.
 - STAINLESS REINFORCING STEEL SHALL BE TYPE 316LN, DUPLEX 2205 OR XM-28 AND HAVE A MINIMUM YIELD STRENGTH OF 500 MPa, UNLESS OTHERWISE SPECIFIED.
 - UNLESS SHOWN OTHERWISE, TENSION LAP LENGTHS NOT INDICATED ON THE CONTRACT DRAWINGS SHALL BE CLASS B. HOOKS AND BENDS FOR REINFORCING STEEL SHALL BE DETAILED ACCORDING TO CHBDC-S6-06.
 - UNLESS SHOWN OTHERWISE, THE FOLLOWING SHALL APPLY:
 - STANDARD HOOKS WITH MINIMUM BEND DIAMETERS SHALL BE USED FOR STIRRUPS AND TIES, ACCORDING TO CHBDC-S6-14.
 - OTHER BARS SHALL HAVE STANDARD HOOKS WITH BEND DIAMETERS ACCORDING TO CHBDC-S6-14.

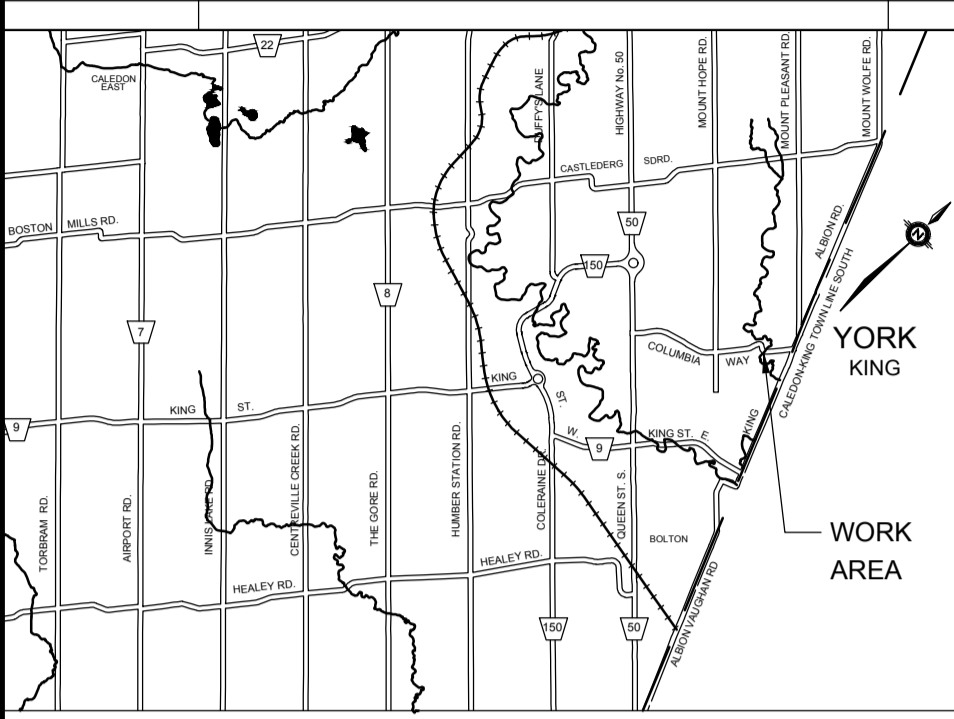
- CONSTRUCTION NOTES**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER APPLICABLE CONTRACT DRAWINGS.
 - CLASS OF CONCRETE: EXPOSURE CLASS C-1 TO CSA A23.1, STRENGTH: 35MPa AT 56 d.
 - CLEAR COVER TO REINFORCING STEEL SHALL BE 70mm ± 20 UNLESS NOTED OTHERWISE.
 - REINFORCING STEEL SHALL BE GRADE 400W.
 - ALL CONSTRUCTION PROCEDURES AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO PROVINCIAL STANDARDS. ALL MATERIAL SUPPLIED SHALL BE FROM MTO DESIGNATED SOURCES, WHERE APPLICABLE.
 - ALL EXISTING CONDITIONS SHOWN ON THE EXISTING CONTRACT DRAWINGS ARE TAKEN FROM FIELD MEASUREMENTS AND AVAILABLE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
 - THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THEIR ENVIRONMENTAL PROTECTION PLAN, EROSION AND SEDIMENT CONTROL PLAN AND DEWATERING PLAN FROM ALL AUTHORITIES HAVING JURISDICTION. THE EXISTING STREAMBED AND SURROUNDING AREAS SHALL BE FULLY PROTECTED AT ALL TIMES FOR THE DURATION OF THE WORK.
 - ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
 - THE CONTRACTOR'S PRICE FOR THE WORK SHALL INCLUDE ALL LABOUR, EQUIPMENT, MATERIAL AND TRANSPORTATION NECESSARY TO COMPLETE THE WORK, INCLUDING ANY AND ALL INCIDENTAL WORK WHETHER OR NOT EXPLICITLY DETAILED ON THE CONTRACT DRAWINGS BUT REQUIRED FOR PROPER PERFORMANCE AND COMPLETION OF THE WORKS AS PER THE DRAWINGS AND SPECIFICATIONS.
 - ALL TRAFFIC CONTROL SHALL BE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AS PER BOOK 7 OF ONTARIO TRAFFIC MANUAL. LANE CLOSURES ARE REQUIRED UNDER THIS CONTRACT.
 - THE FINAL LOCATION AND OVERALL EXTENT OF ALL WORK UNDER THIS CONTRACT WILL BE AS DIRECTED OR DELINEATED ON SITE BY THE ENGINEER.
 - THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
 - THE CONTRACTOR SHALL PREVENT DEBRIS FROM ENTERING THE WATERCOURSE OR LAND BELOW DURING CONSTRUCTION.

COLD WATER TIMING WINDOW

TO PROTECT LOCAL FISH POPULATION DURING THEIR SPAWNING AND NURSERY PERIODS, NO IN-WATER/NEAR WATER WORK/ACTIVITY SHALL OCCUR BETWEEN SEPTEMBER 16 TO JUNE 14. IN-WATER/NEAR WATER WORK INCLUDES TIMBER CRIBBING REMOVAL, AND EXCAVATION AND GRADING WORKS WITHIN BANKS.

- LIST OF DRAWINGS**
- S201 GENERAL ARRANGEMENT
 - S202
 - S203
 - S204

SERVICE DATA					
SERVICE	DATE	INIT.	SERVICE	DATE	INIT.
HYDRO ONE					
WATERMANS					
GAS MAINS					
BELL U/G CABLE					
HYDRO U/G CABLE					
ROGERS PLANT					



NOTE:

TYPICAL PAVEMENT STRUCTURE
 PROPOSED PAVEMENT COMPONENTS:
 50mm HL1
 100mm HD/C (2 LIFTS)
 150mm GRANULAR A CRL
 450mm GRANULAR B CRL

SPLASH PAD:
 130mm IMPRESSED CONCRETE
 150mm GRANULAR A CRL

SIDEWALK:
 130mm CONCRETE
 150mm GRANULAR A CRL

PERMEABLE PAVEMENT:
 150mm +/- PAVE DRAIN BLOCKS
 150mm 19mm CLEAR STONE
 300mm 53mm CLEAR STONE
 GRANULAR B CRL TO MATCH BOTTOM OF SUBBASE FROM ROAD STRUCTURE



General Notes

All Driveways Are ASPHALT Unless Otherwise Noted
 All Water And Sanitary Service Locations Are Approximate And Must Be Located Accurately In The Field
 Any Existing Water Service That Is Altered Or Adjusted Is To Be Upgraded To 25mm And Filled With Arcoflex As Per Peel Standard
 All Horizontal And Vertical Bends Are In Degrees
 All Pipes Size In mm
 20C Existing Water Service, Size In mm
 WS25 Proposed Water Service, Size In mm
 B.M. No. 798475 Elev. 412.263 m
 Location Lat. 43-50.8 Long. 80-03.0
 The Contractor Is Responsible For Locating And Protecting All Existing Utilities Prior To And During Construction. Location Of Existing Utilities Approximate Only. To Be Verified In Field By Contractor.

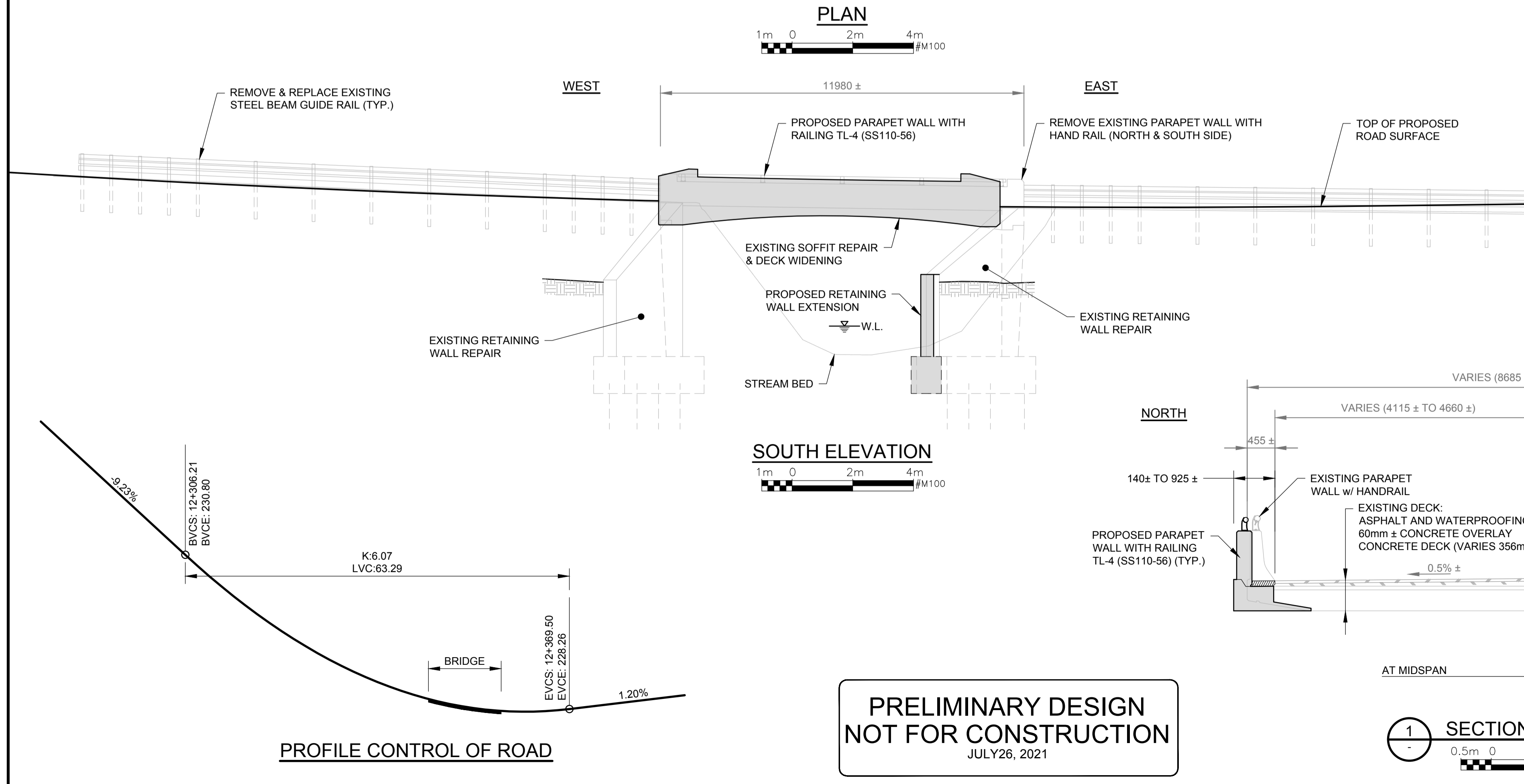
SCALE: NTS

Approved by: _____
 Chkd: _____

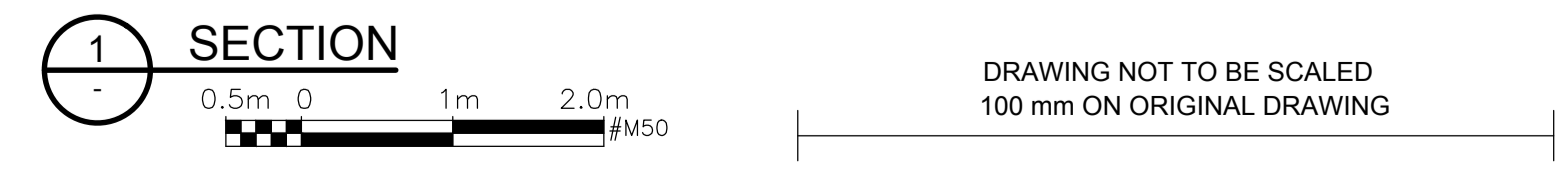
NOTICE TO CONTRACTOR

48 HOURS PRIOR TO COMMENCING WORK NOTIFY THE FOLLOWING

THE REGIONAL MUNICIPALITY OF PEEL	CABLE TELEVISION/FIBROPTIC PROVIDERS:
CITY OF MISSISSAUGA WORKS DEPT.	BELL CANADA
CITY OF BRAMPTON WORKS DEPT.	ENERSOURCE TELECOM
TOWN OF CALEDON WORKS DEPT.	HYDRO ONE TELECOM
BELL CANADA	ROGERS CABLE
ENERSOURCE INCORPORATED-GAS DISTRIBUTION	ALLSTREAM
ONTARIO MINISTRY OF TRANSPORTATION	PSN (PUBLIC SECTOR NETWORK)
ONTARIO CLEAN WATER AGENCY	FUTUREWAY (FCI BROADBAND)
HYDRO ONE NETWORKS	
ENERSOURCE, HYDRO MISSISSAUGA	
HYDRO ONE BRAMPTON	



**PRELIMINARY DESIGN
 NOT FOR CONSTRUCTION
 JULY 26, 2021**



TOWN OF CALEDON
 COLUMBIA WAY ENVIRONMENTAL ASSESSMENT (EA) STUDY
GENERAL ARRANGEMENT

CAD Area	Area	Project No.
Checked by XXX	Drawn by R.R.G	Plan No.
Date JULY 2021	Sheet 1 of XX	