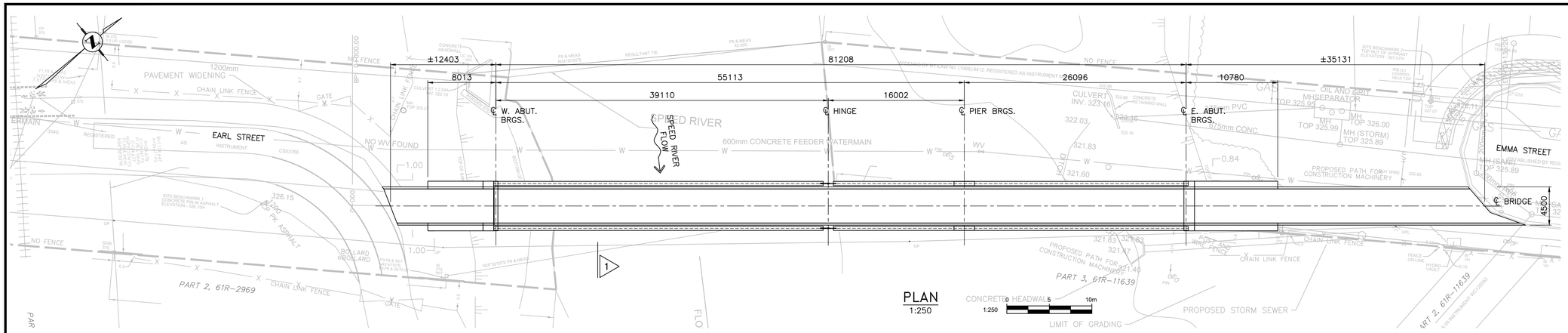
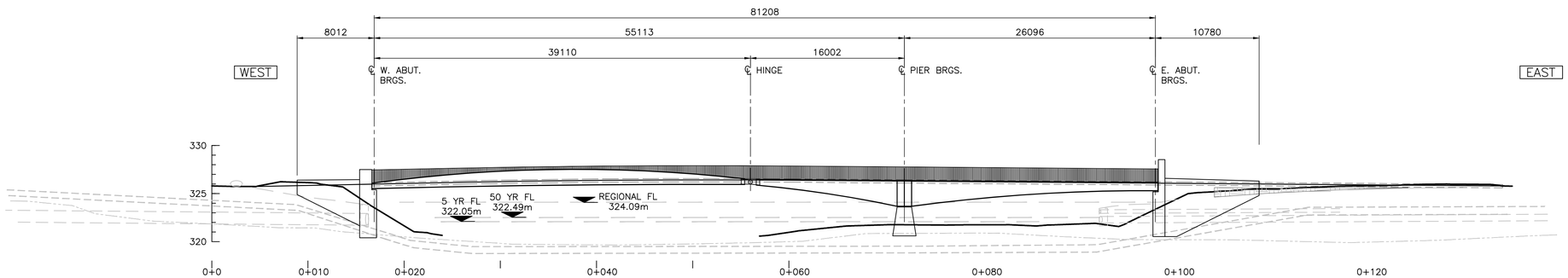
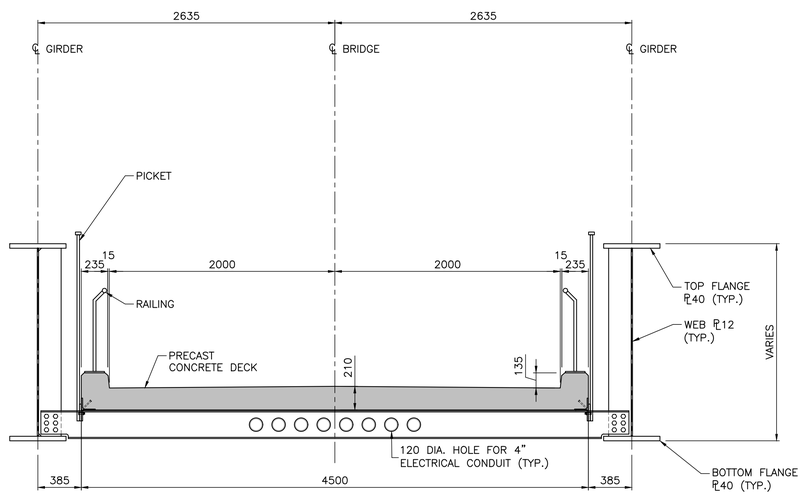


PLAN
1:250



ELEVATION
1:250



1
1:25

GENERAL NOTES:

1. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE CANADIAN HIGHWAY BRIDGE DESIGN CODE (CAN/CSA–S6–14).
2. ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CANADIAN HIGHWAY BRIDGE DESIGN CODE AND THE ONTARIO BUILDING CODE.
3. VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES. DO NOT SCALE THESE DRAWINGS.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SAFEGUARD ALL EXISTING STRUCTURES AFFECTED BY THIS CONSTRUCTION.
5. MAKE ADEQUATE PROVISIONS FOR CONSTRUCTION STRESSES, WEATHER PROTECTION AND FOR SUFFICIENT TEMPORARY BRACING AND SHORING TO KEEP THE STRUCTURE PLUMB AND LEVEL DURING ALL PHASES OF THE WORK.
6. ABUTMENTS AND PIERS ARE TO BE RE–SURVEYED AFTER BEING CAST AND THE RESULTS MUST BE REVIEWED BY THIS OFFICE BEFORE ANY FABRICATION OF THE WALKWAY PROCEEDS.
7. ANY DE–WATERING REQUIRED FOR CONSTRUCTION WORK SHALL PASS THROUGH FILTER BAGS (TERRAFIX ENVIROBAGS OR APPROVED EQUAL) PRIOR TO RELEASE INTO WATERCOURSE.
8. WHERE REFERENCE IS MADE TO A CSA OF ASTM STANDARD, THE LATEST EDITION IS IMPLIED, INCLUDING ALL UPDATES, SUPPLEMENTS AND ADDENDUMS.

LOADING:

1. UNIFORMLY DISTRIBUTED LIVE LOAD = 4.0 kPa
2. WIND LOAD: q = 0.52 kPa
3. SNOW LOAD: S = 1.3 kPa
   S = 0.4 kPa
4. MAINTENANCE VEHICLE LOAD: 40 kN GVW
   18 kN FRONT AXLE
   22 kN REAR AXLE
   3670 mm WHEEL BASE
   1715 mm AXLE WIDTH
   MAX. WHEEL LOAD: 11 kN
   (250mmx150mm FOOTPRINT)

STRUCTURAL STEEL:

1. DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO CAN/CSA STANDARDS S6–14 AND S16–14.
2. ALL STRUCTURAL STEEL TO BE IN ACCORDANCE WITH CSA STANDARD G40.21M, GRADE 350W FOR ROLLED SHAPES, GRADE 350W CLASS H FOR HSS SECTIONS, AND GRADE 350W FOR PLATE, CHANNELS, AND ANGLES UNLESS NOTED OTHERWISE.
3. UNLESS NOTED OTHERWISE BOLTS TO BE GALVANIZED ASTM A325. BOLT THREADS TO BE EXCLUDED FROM THE SHEAR PLANE.
4. ALL WELDING IS TO CONFORM TO CSA STANDARD W59.1 AND IS TO BE UNDERTAKEN BY A FABRICATOR QUALIFIED IN ACCORDANCE WITH CSA STANDARD W47.1. THE CONTRACTOR IS ADVISED TO REMOVE GALVANIZING FOR THE AREAS REQUIRING FIELD WELDING PRIOR TO START OF WELDING OPERATIONS.
5. INSPECTION IS REQUIRED FOR ALL WELDS.
6. SEAL DRAINAGE HOLES AFTER GALVANIZING. ALL HSS MEMBERS TO BE SEALED AIRTIGHT.
7. TYPE A ATMOSPHERIC CORROSION – RESISTANT STEEL AND ASTM A325 TYPE 3 BOLTS ARE AN ACCEPTABLE ALTERNATIVE TO GALVANIZING (EXCEPT FOR GUARDRAILS).
8. STAINLESS STEEL STRUCTURE SHALL BE TYPE 316L AND HAVE A MINIMUM YIELD STRENGTH OF 290 MPa.

SHEET No.

KEY PLAN Scale : NOT TO SCALE

THE POSITION OF POLES, LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND 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.

No.	DATE	DESCRIPTION	BY:	CHKD.
0	5/31/24	ISSUED FOR REVIEW	DH	

ISSUES/REVISIONS

CITY OF Guelph

ENGINEERING AND TRANSPORTATION SERVICES

PEDESTRIAN BRIDGE

EMMA ST. TO EARL ST.
City of Guelph

GENERAL ARRANGEMENT

SCALE:		CONSULTANT DRAWING No. SP-01	
DATE DRAWN:		CONTRACT No.	PROJECT No.
DRAWN BY: GD	CHECKED BY: DH	CITY REFERENCE No.	REV.