

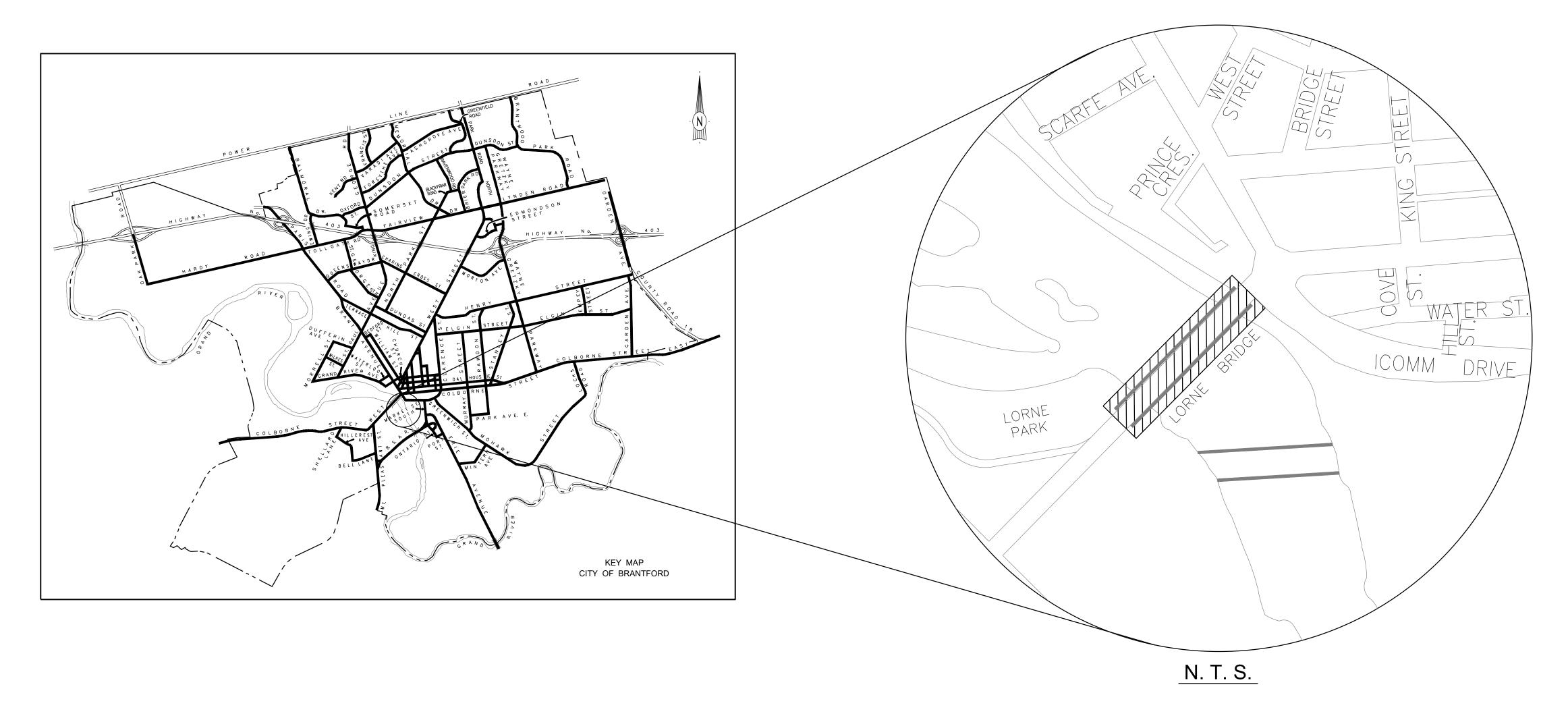


Appendix 'R' - Preliminary Design Drawings



LORNE BRIDGE (REHABILITATION)

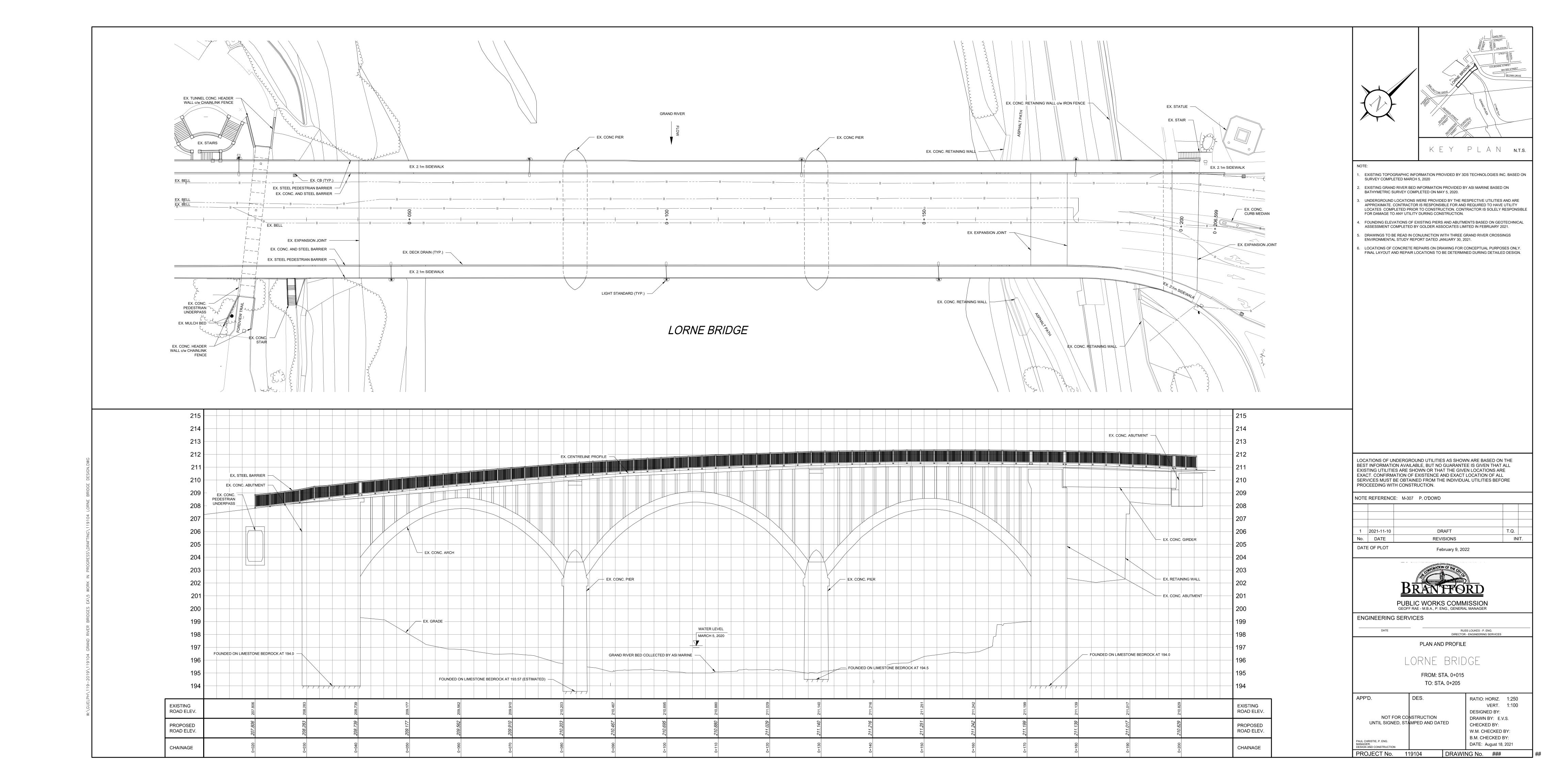
GMBP No. 119104

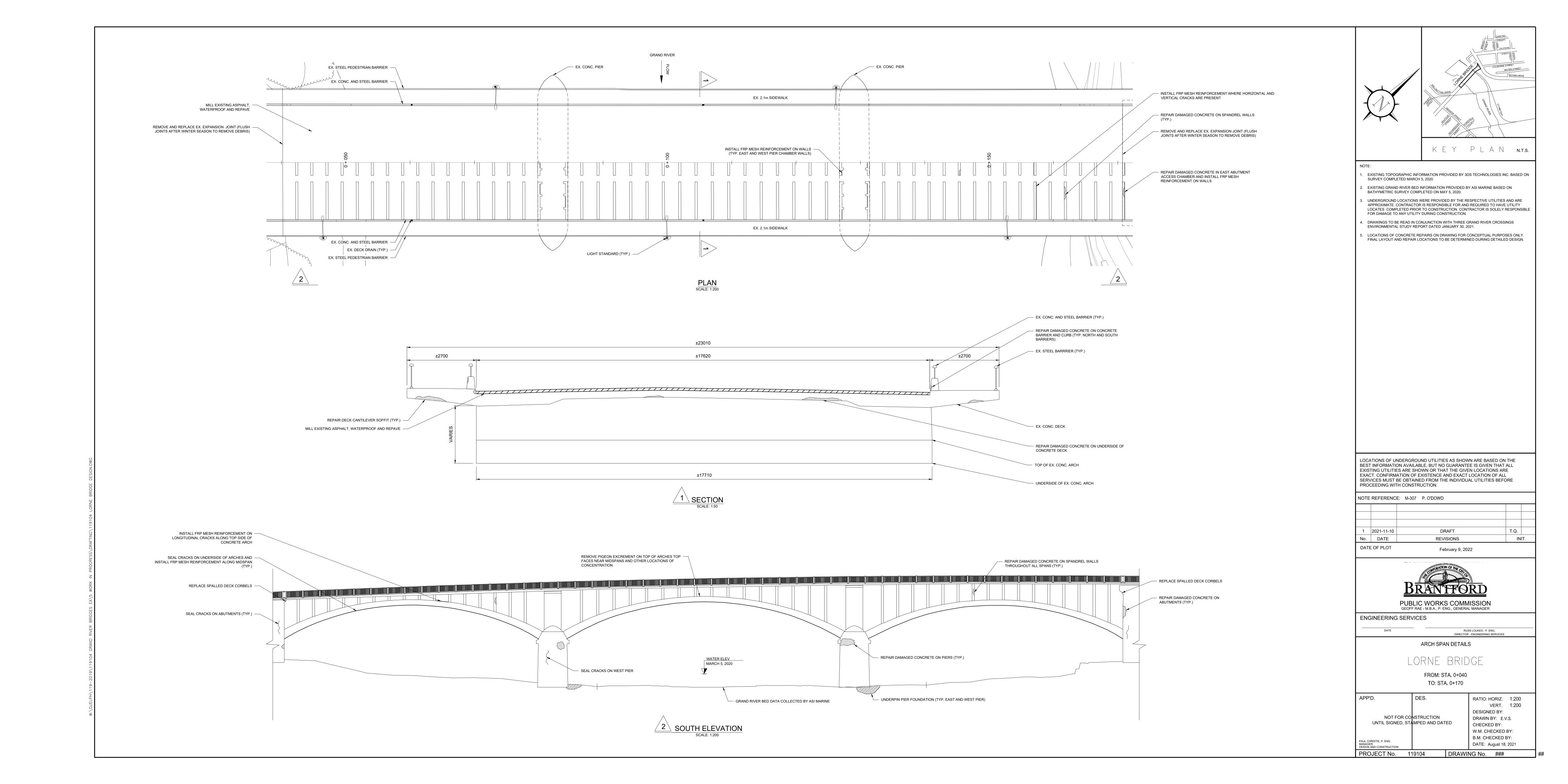


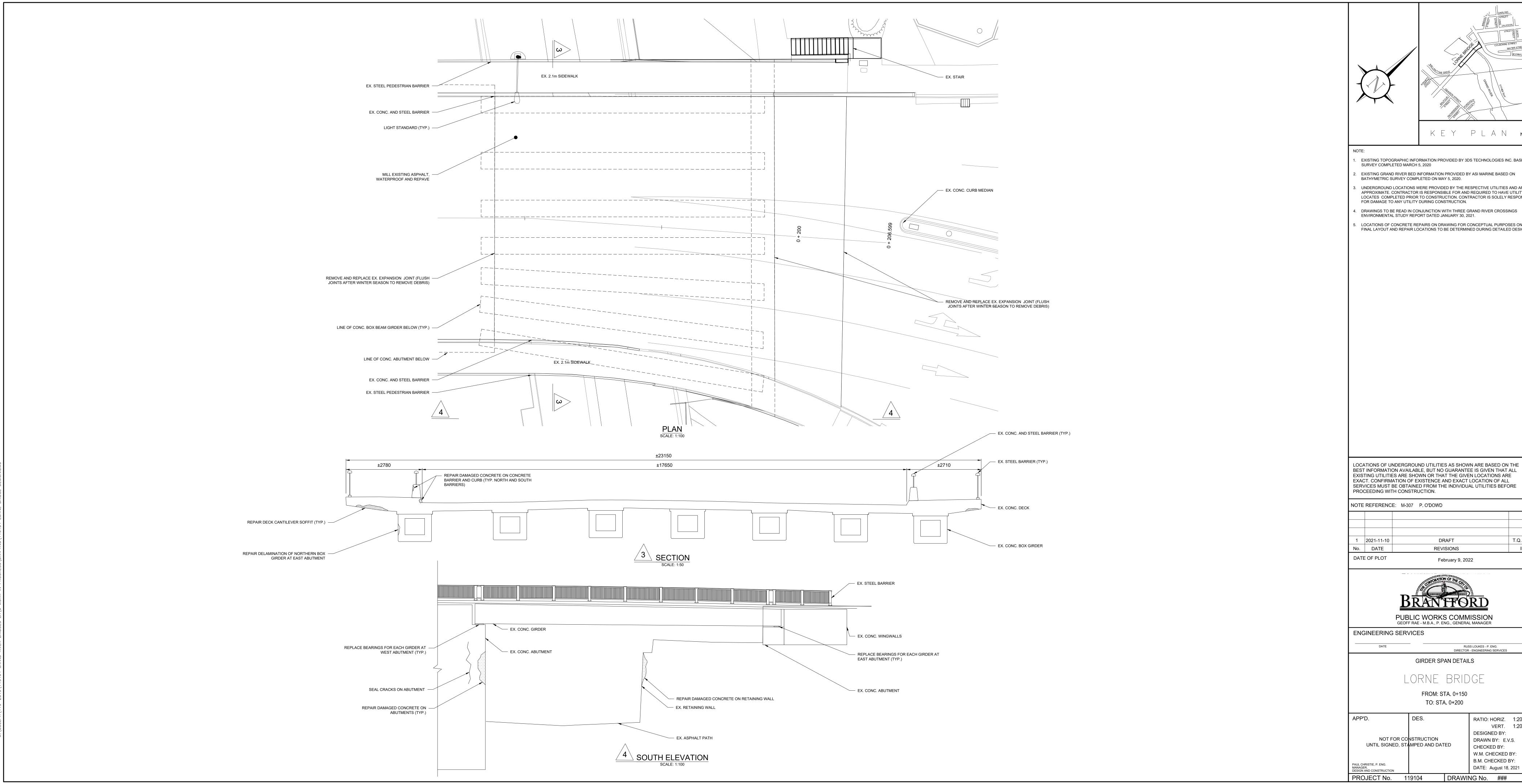
INDEX OF DRAWINGS

COVER	
X-XXXX-1	EXISTING CONDITIONS AND REMOVALS
X-XXXX-2	ARCH SPAN DETAILS
X-XXXX-3	GIRDER SPAN DETAILS
X-XXXX-4	PEDESTRIAN UNDERPASS
X-XXXX-5	TRAFFIC STAGING PLANS

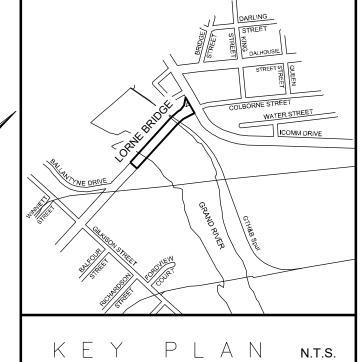












- EXISTING TOPOGRAPHIC INFORMATION PROVIDED BY 3DS TECHNOLOGIES INC. BASED ON SURVEY COMPLETED MARCH 5, 2020
- 2. EXISTING GRAND RIVER BED INFORMATION PROVIDED BY ASI MARINE BASED ON BATHYMETRIC SURVEY COMPLETED ON MAY 5, 2020.
- 8. UNDERGROUND LOCATIONS WERE PROVIDED BY THE RESPECTIVE UTILITIES AND ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR AND REQUIRED TO HAVE UTILITY
 LOCATES COMPLETED PRIOR TO CONSTRUCTION. CONTRACTOR IS SOLELY RESPONSIBLE
- DRAWINGS TO BE READ IN CONJUNCTION WITH THREE GRAND RIVER CROSSINGS ENVIRONMENTAL STUDY REPORT DATED JANUARY 30, 2021.

LOCATIONS OF CONCRETE REPAIRS ON DRAWING FOR CONCEPTUAL PURPOSES ONLY. FINAL LAYOUT AND REPAIR LOCATIONS TO BE DETERMINED DURING DETAILED DESIGN.

BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NOTE REFERENCE: M-307 P. O'DOWD

	1	2021-11-10	DRAFT	T.Q.	
N	lo.	DATE	REVISIONS	INIT.	

DATE OF PLOT February 9, 2022



ENGINEERING SERVICES

RUSS LOUKES - P. ENG. DIRECTOR - ENGINEERING SERVICES

GIRDER SPAN DETAILS

FROM: STA. 0+150

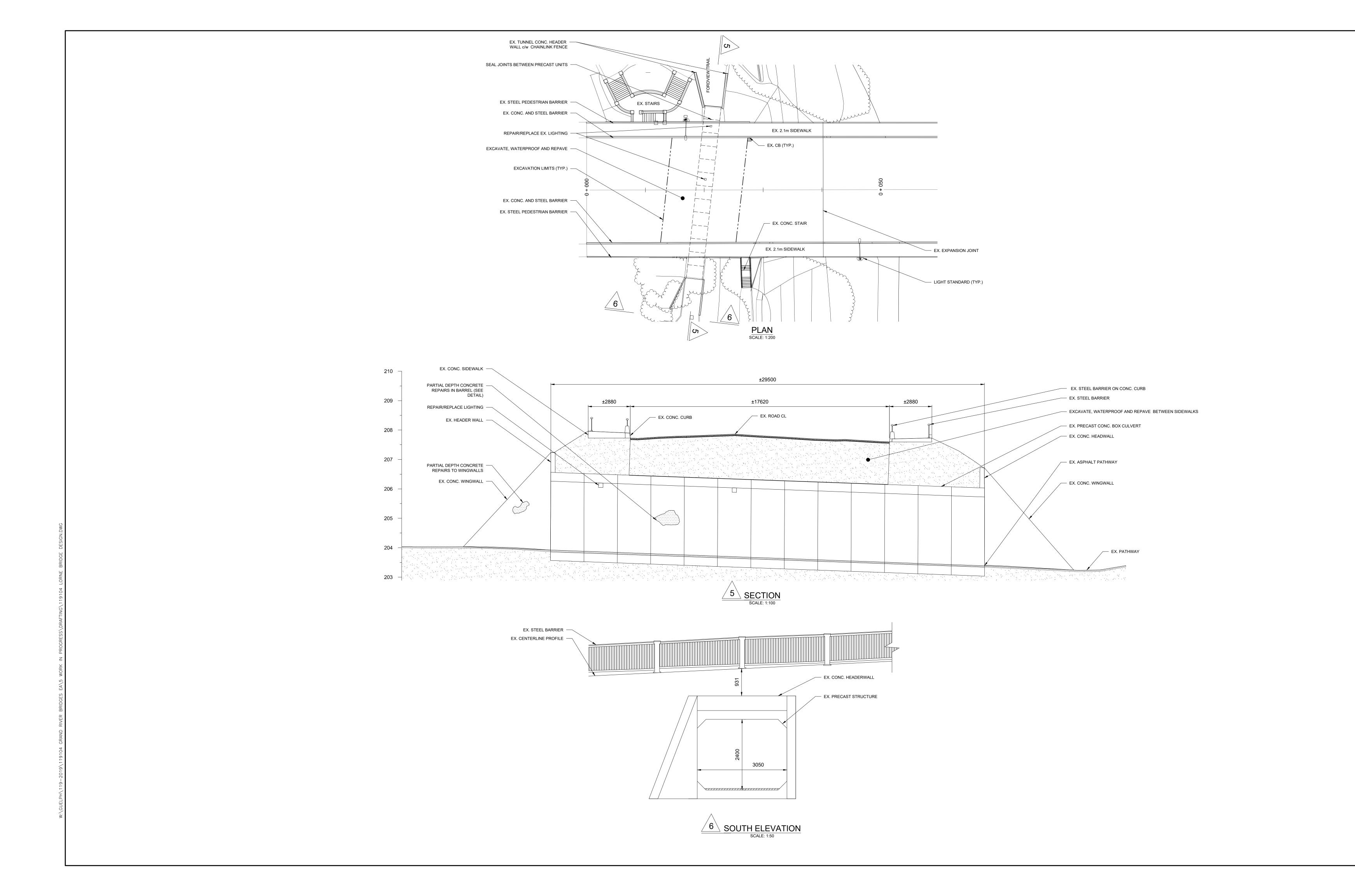
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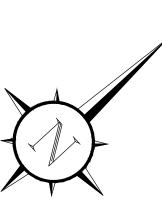
VERT. 1:200

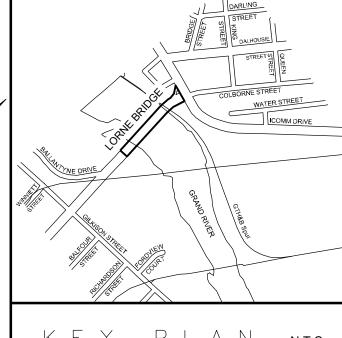
TO: STA. 0+200

DESIGNED BY: NOT FOR CONSTRUCTION DRAWN BY: E.V.S. UNTIL SIGNED, STAMPED AND DATED CHECKED BY: W.M. CHECKED BY:

B.M. CHECKED BY: DATE: August 18, 2021 PROJECT No. 119104 DRAWING No. ###







EXISTING TOPOGRAPHIC INFORMATION PROVIDED BY 3DS TECHNOLOGIES INC. BASED ON SURVEY COMPLETED MARCH 5, 2020

2. UNDERGROUND LOCATIONS WERE PROVIDED BY THE RESPECTIVE UTILITIES AND ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR AND REQUIRED TO HAVE UTILITY LOCATES COMPLETED PRIOR TO CONSTRUCTION. CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE TO ANY UTILITY DURING CONSTRUCTION.

3. DRAWINGS TO BE READ IN CONJUNCTION WITH THREE GRAND RIVER CROSSINGS ENVIRONMENTAL STUDY REPORT DATED JANUARY 30, 2021.

4. LOCATIONS OF CONCRETE REPAIRS ON DRAWING FOR CONCEPTUAL PURPOSES ONLY. FINAL LAYOUT AND REPAIR LOCATIONS TO BE DETERMINED DURING DETAILED DESIGN.

LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NOTE REFERENCE: M-307 P. O'DOWD

1 2021-11-10 INIT. No. DATE REVISIONS

DATE OF PLOT February 9, 2022



ENGINEERING SERVICES

PEDESTRIAN UNDERPASS DETAILS

FROM: STA. 0+000

TO: STA. 0+060

DESIGNED BY: NOT FOR CONSTRUCTION DRAWN BY: E.V.S. UNTIL SIGNED, STAMPED AND DATED CHECKED BY: W.M. CHECKED BY:

PAUL CHRISTIE, P. ENG. MANAGER, DESIGN AND CONSTRUCTION PROJECT No. 119104

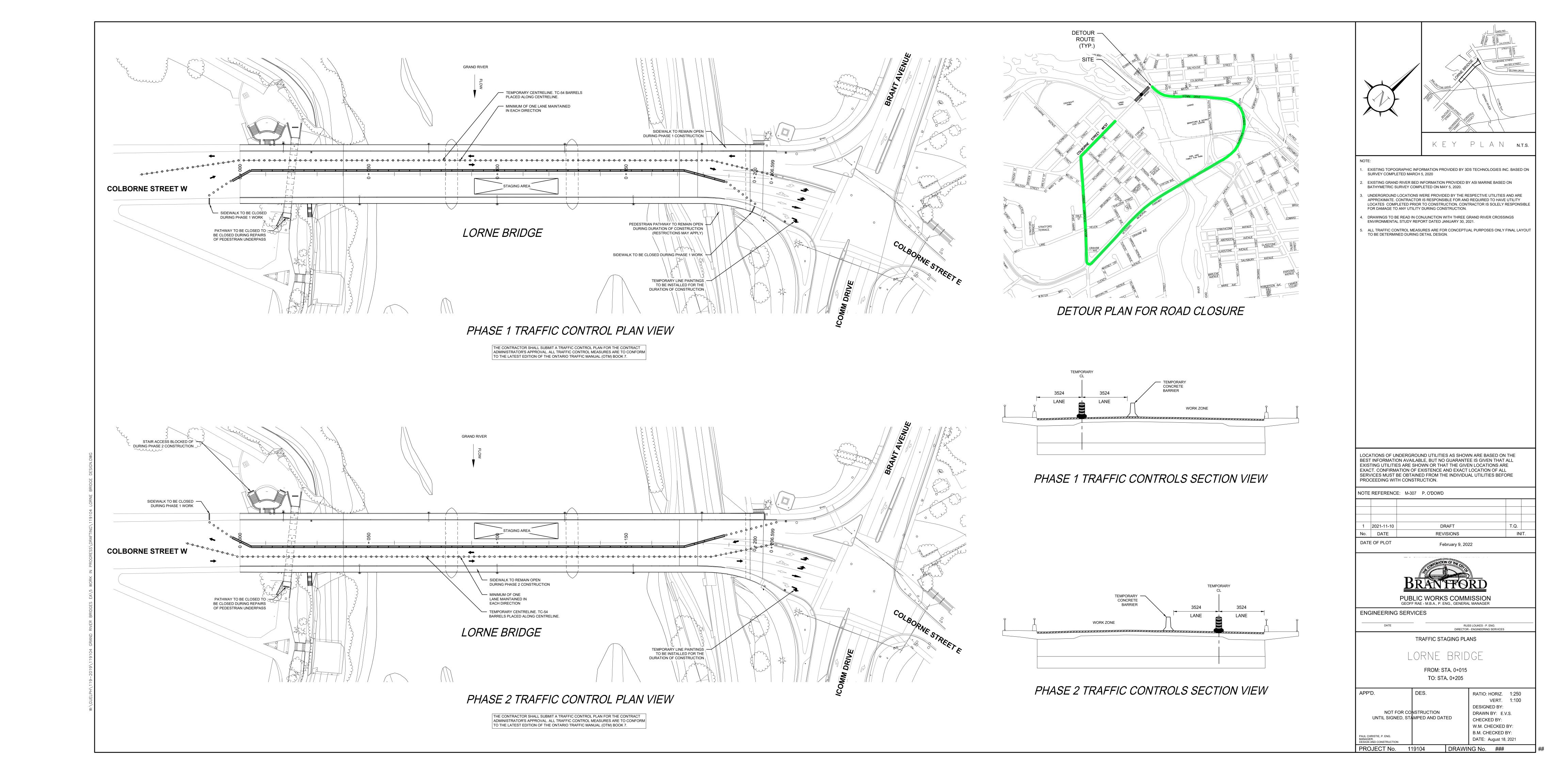
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B.M. CHECKED BY:

DATE: August 18, 2021

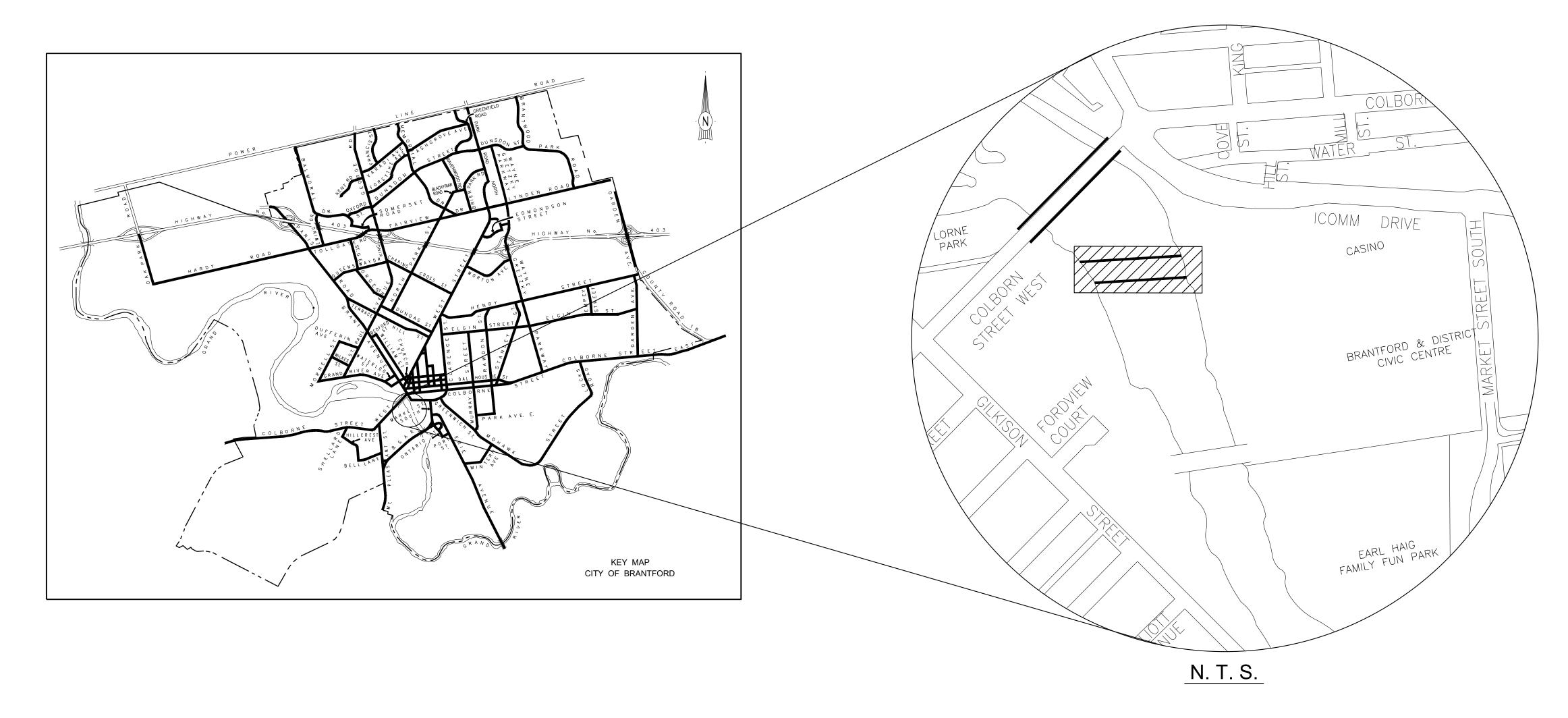
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BRANT'S CROSSING BRIDGE (REPLACMENT)

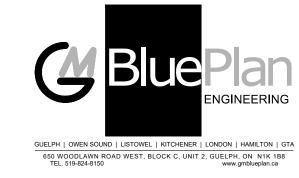
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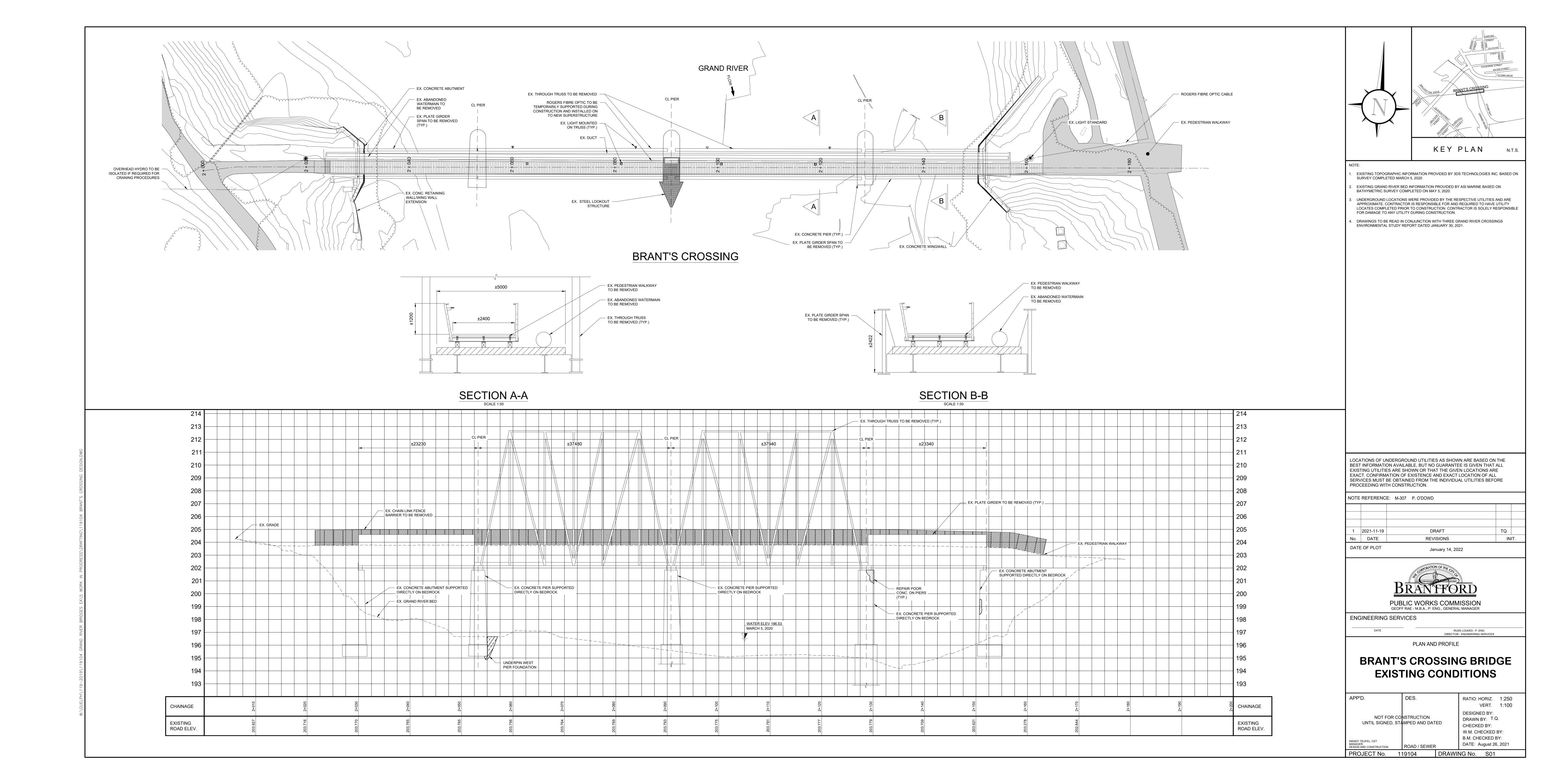
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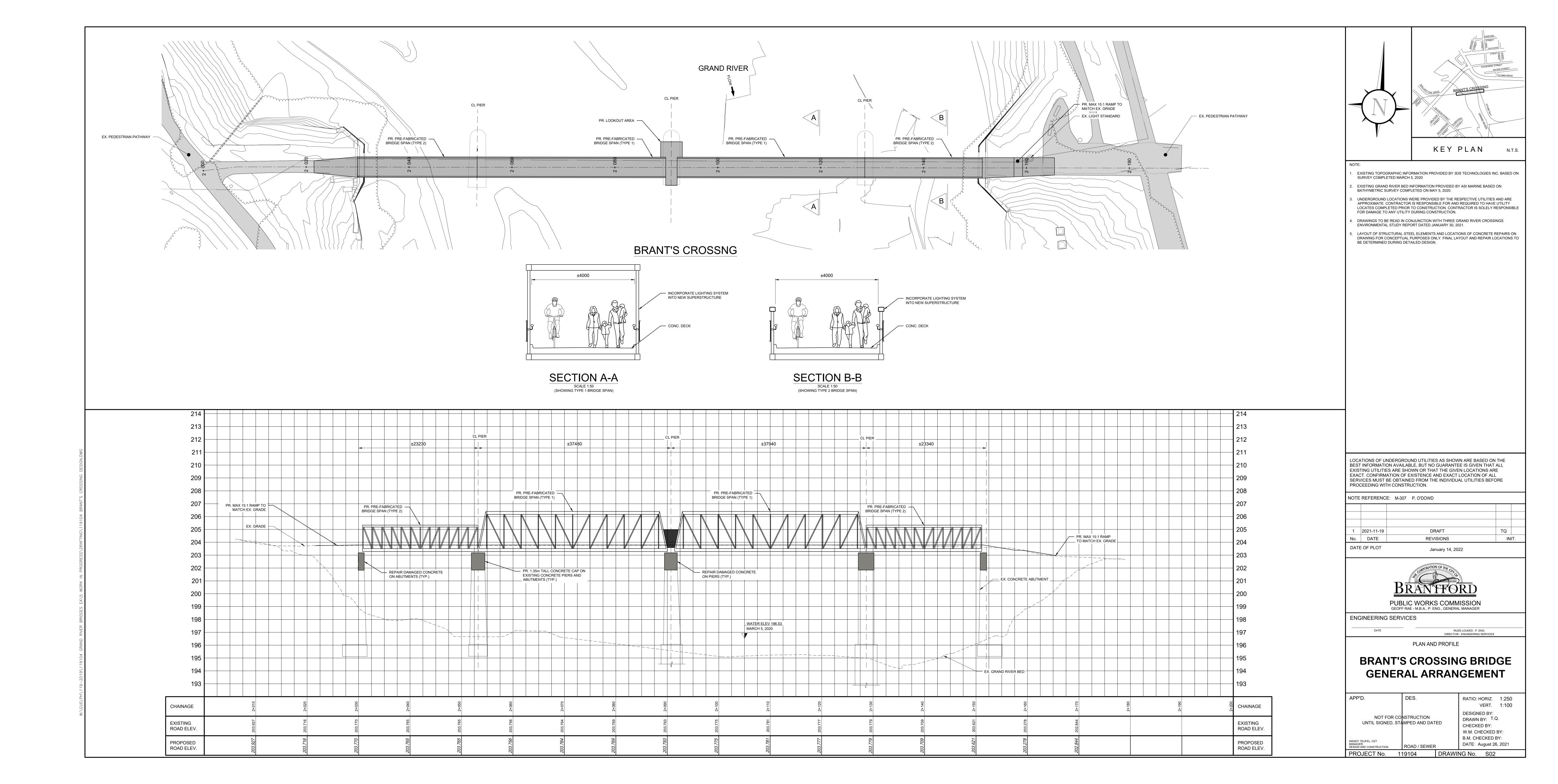
COVER
X-XXXX-1
X-XXXX-2

EXISTING CONDITIONS AND REMOVALSGENERAL ARRANGEMENT



BRANTFORD ONTARIO

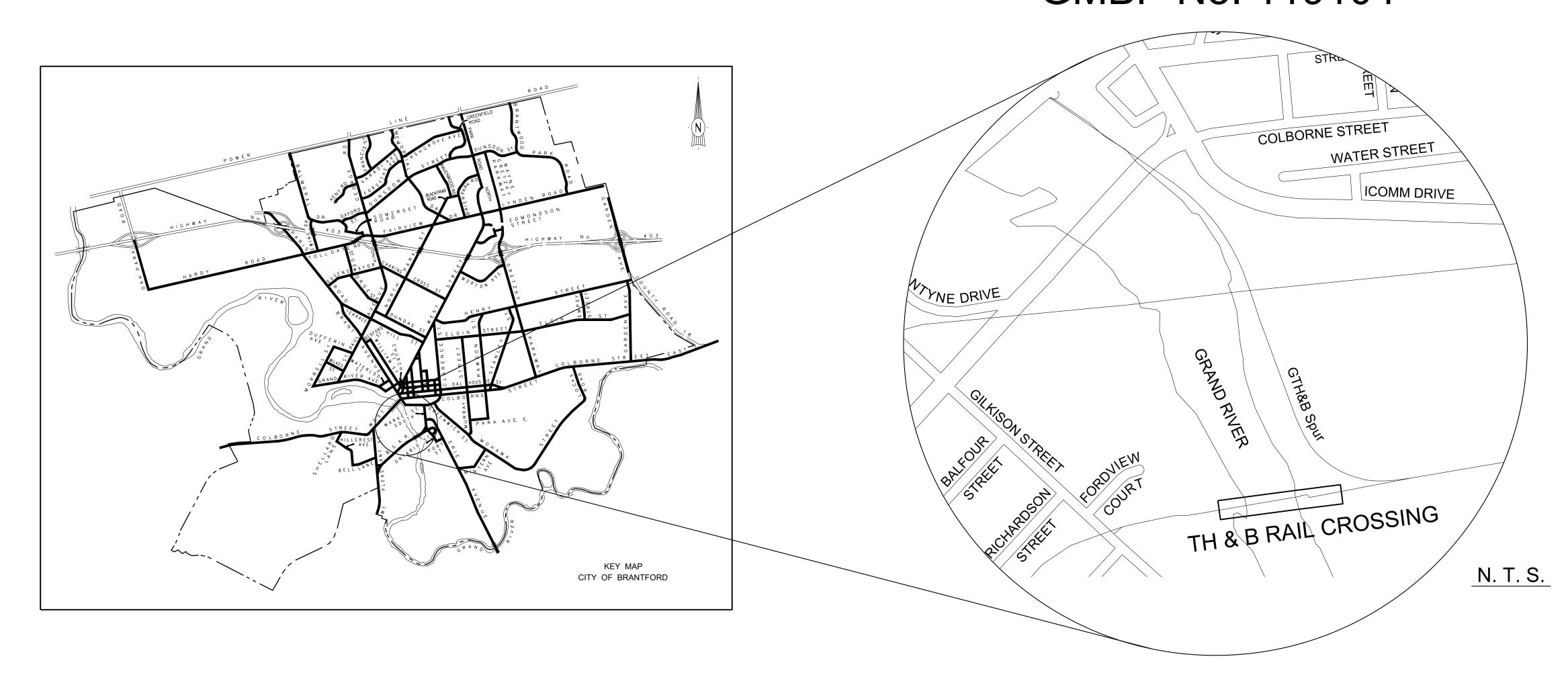






TH&B CROSSING BRIDGE (REHABILITATION)

GMBP No. 119104



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COVER
X-XXXX-X GENERAL ARRANAGEMENT



BRANTFORD ONTARIO

