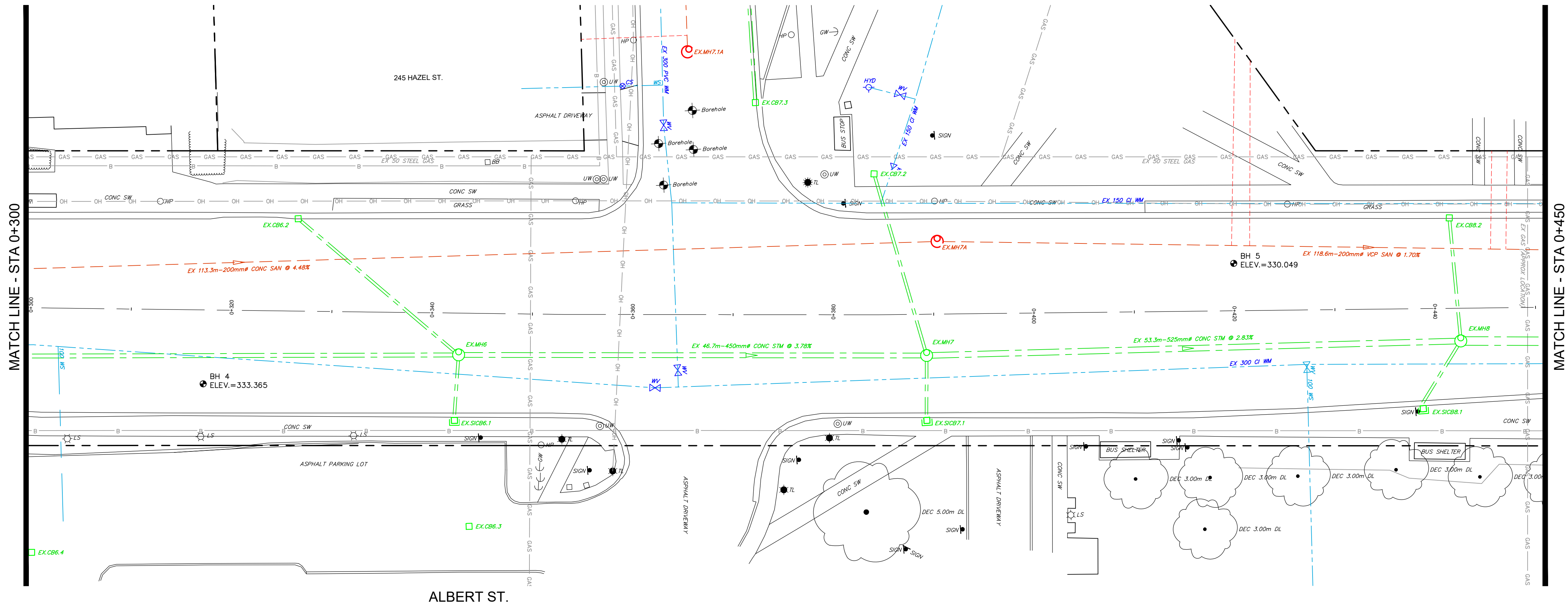
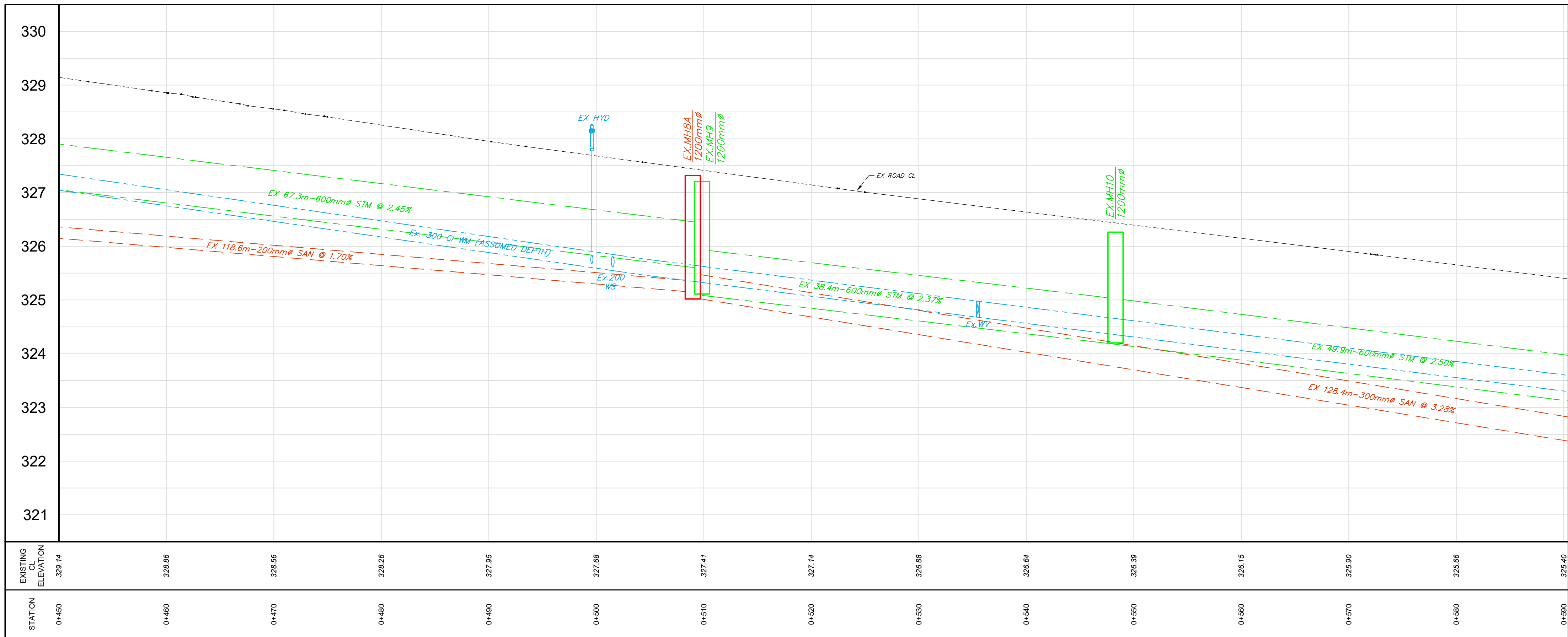
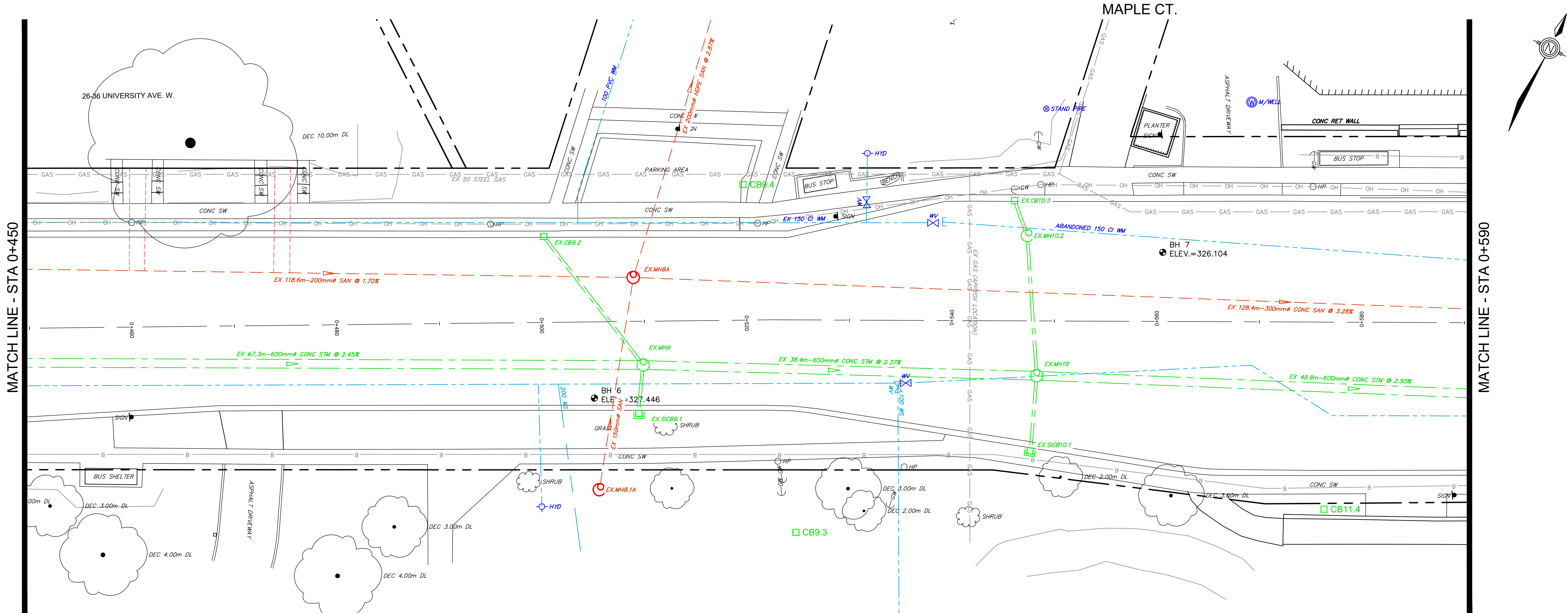


Appendix M – Preliminary Design Drawings





KEY PLAN

DISCLAIMER:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:

CONTROLLING BENCH MARK: WA-15 (68U518)
ELEVATION=324.759m

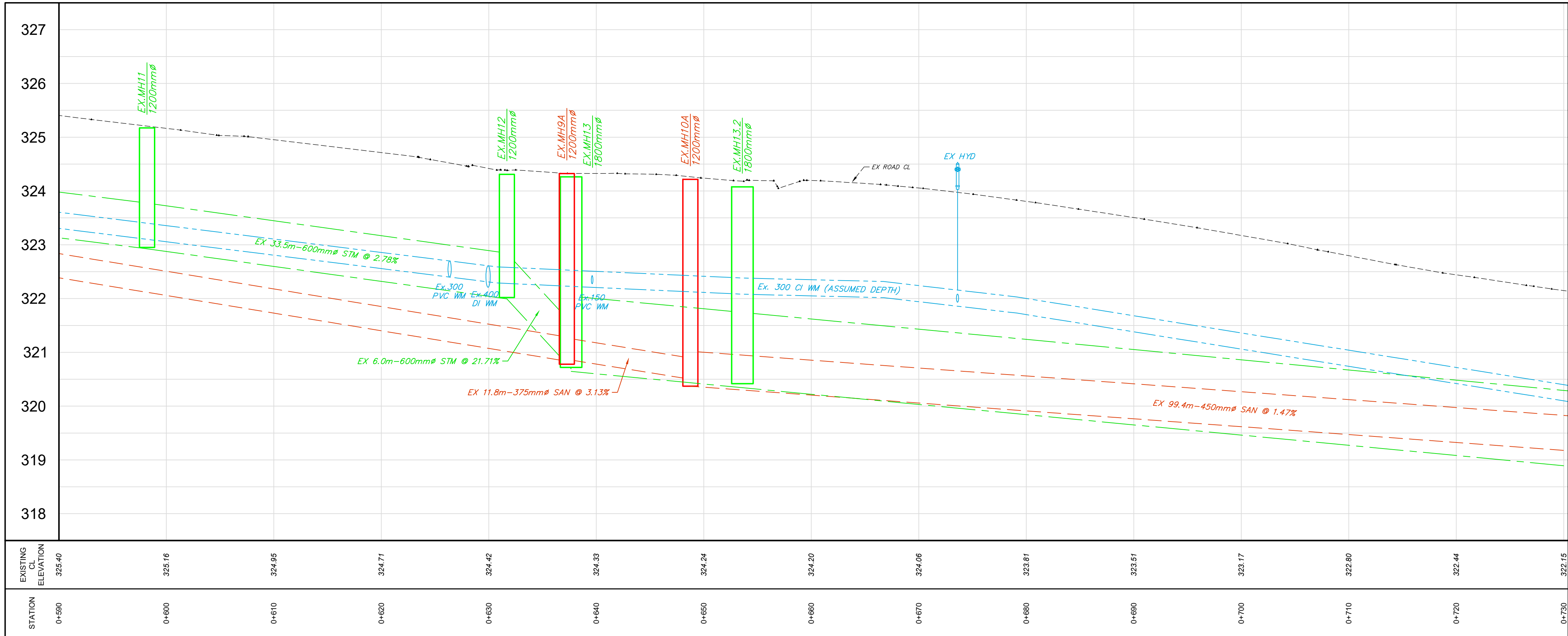
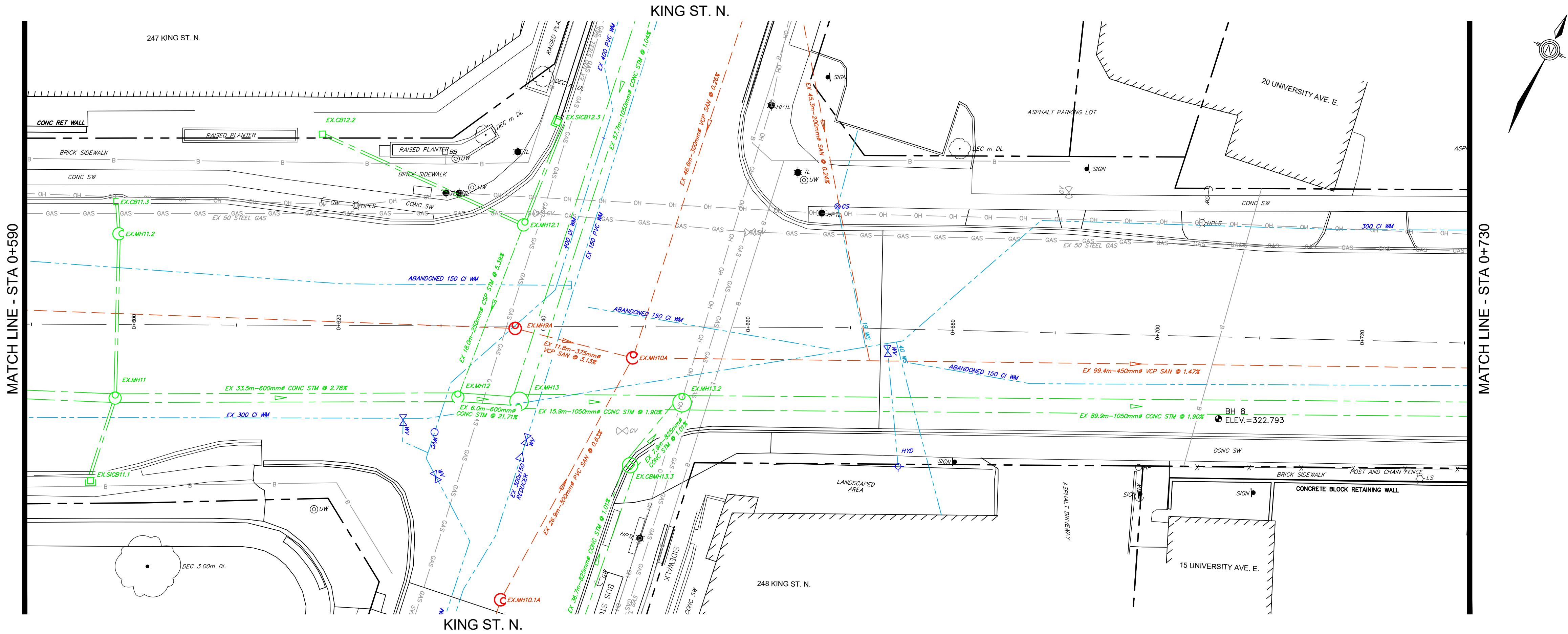
EXISTING CONDITION SURVEY COMPLETED BY IBI GROUP INC.
BY JJK/RM - APRIL 2019

No.	ISSUE/REVISION	BY	DATE
1.	30% DESIGN	JA	2022-07-18

UNIVERSITY AVENUE
(REGIONAL ROAD 57)
ALBERT ST. TO WEBER ST. N.
RECONSTRUCTION

UNIVERSITY AVENUE
EXISTING CONDITIONS & REMOVALS
STA 0+450 TO 0+590

DRAWN BY: PC	CONTRACT No. XXXX-XXX
CHECKED BY: JA	FILE No. 119697
DATE: July 2022	DRAWING No.
SCALE HOR: 1:250 VERT: 1:50	SHEET No. 4 OF ##
LAYOUT NAME:	EX4



KEY PLAN

DISCLAIMER:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:


Region of Waterloo

CONTROLLING BENCH MARK: WA-15 (68U518)
ELEVATION=324.759m

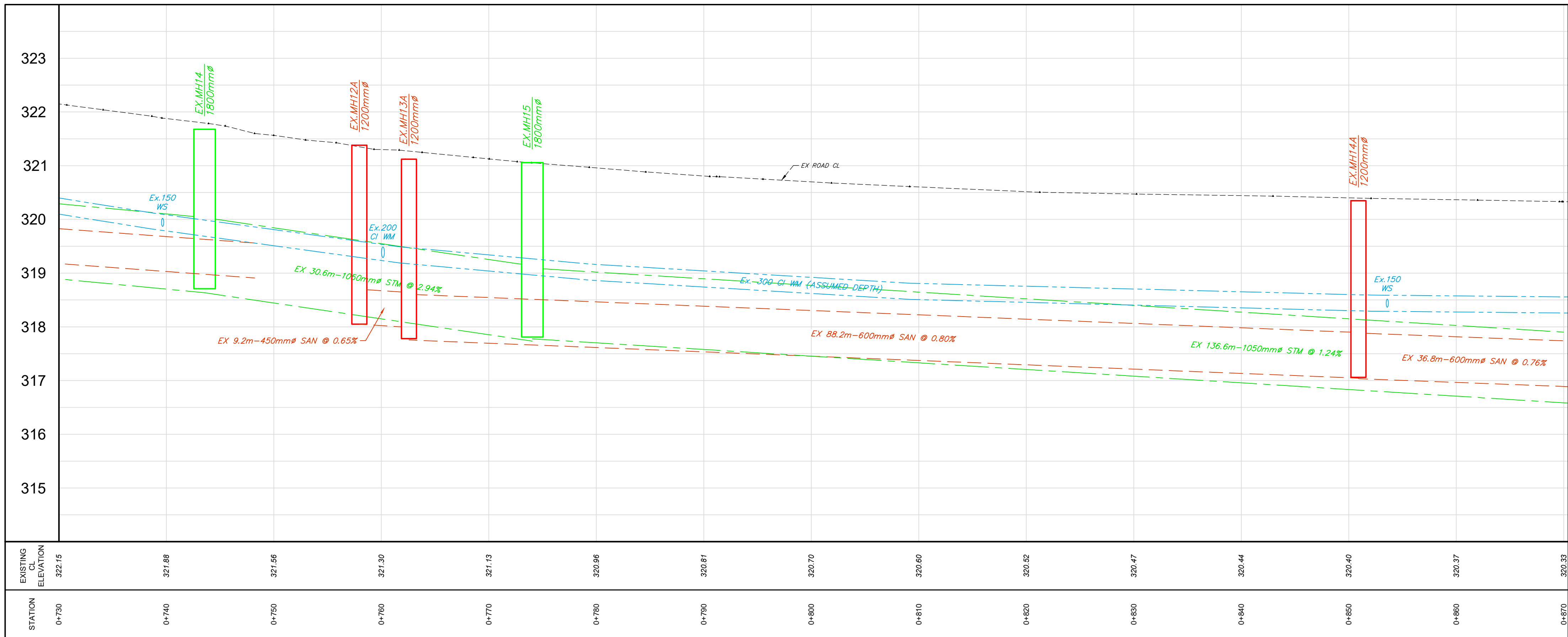
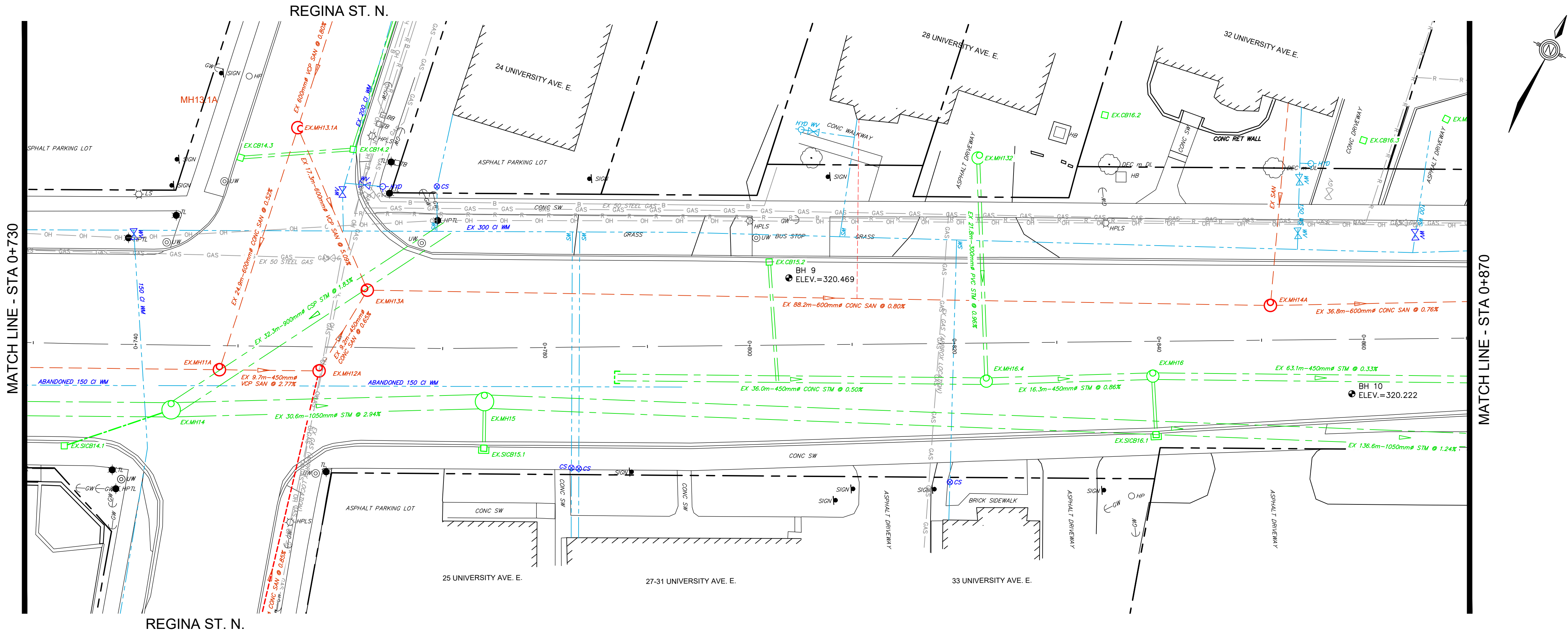
EXISTING CONDITION SURVEY COMPLETED BY IBI GROUP INC.
BY JJK/IRM - APRIL 2019

No.	1.	30% DESIGN	JA	2022-07-18
	ISSUE/REVISION	BY	DATE	

UNIVERSITY AVENUE
(REGIONAL ROAD 57)
ALBERT ST. TO WEBER ST. N.
RECONSTRUCTION

UNIVERSITY AVENUE
EXISTING CONDITIONS & REMOVALS
STA 0+590 TO 0+730

DRAWN BY: PC	CONTRACT No. XXXX-XXX
CHECKED BY: JA	FILE No. 119697
DATE: July 2022	DRAWING No.
SCALE HOR: 1:250 VERT: 1:50	SHEET No. 5 OF ##
LAYOUT NAME:	EX05



KEY PLAN

DISCLAIMER:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:

CONTROLLING BENCH MARK: WA-15 (8BU518)
ELEVATION=324.759m

EXISTING CONDITION SURVEY COMPLETED BY IBI GROUP INC.
BY JJK/RM - APRIL 2019

No.	ISSUE/REVISION	BY	DATE
1.	30% DESIGN	JA	2022-07-18

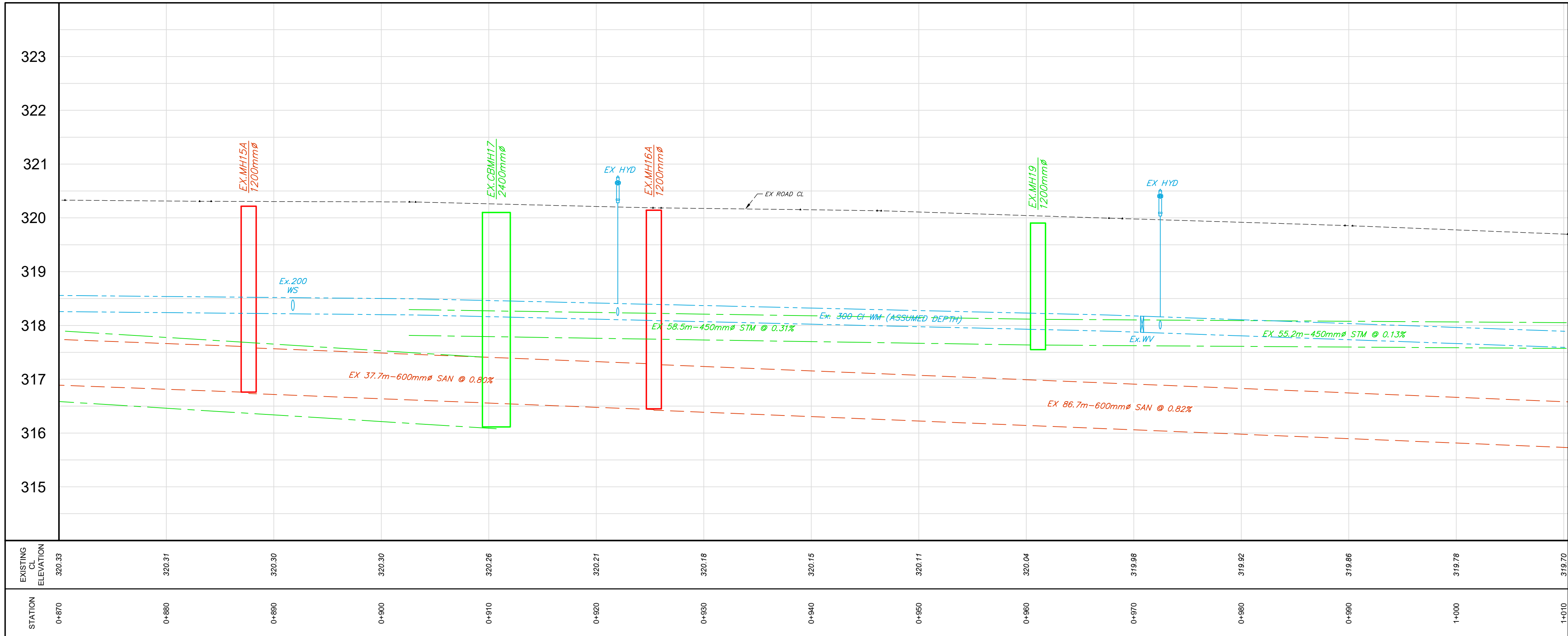
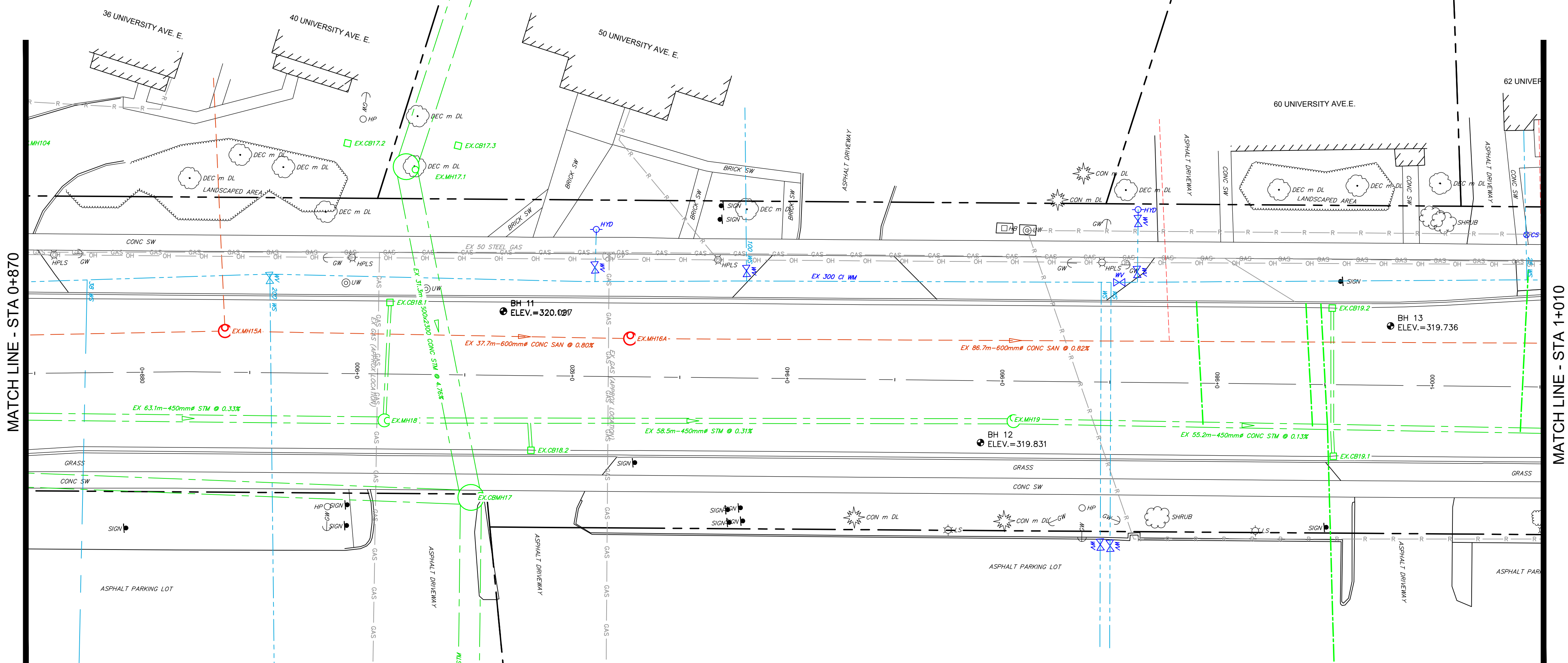
UNIVERSITY AVENUE
(REGIONAL ROAD 57)
ALBERT ST. TO WEBER ST. N.
RECONSTRUCTION

UNIVERSITY AVENUE
EXISTING CONDITIONS & REMOVALS
STA 0+730 TO 0+870

DRAWN BY: PC
CHECKED BY: JA
DATE: July 2022

CONTRACT No. XXXX-XXX
FILE No. 119697
DRAWING No.
SHEET No. 6 OF ##

LAYOUT NAME: EX06



KEY PLAN

DISCLAIMER:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:

CONTROLLING BENCH MARK: WA-15 (68U518)
ELEVATION=324.759m

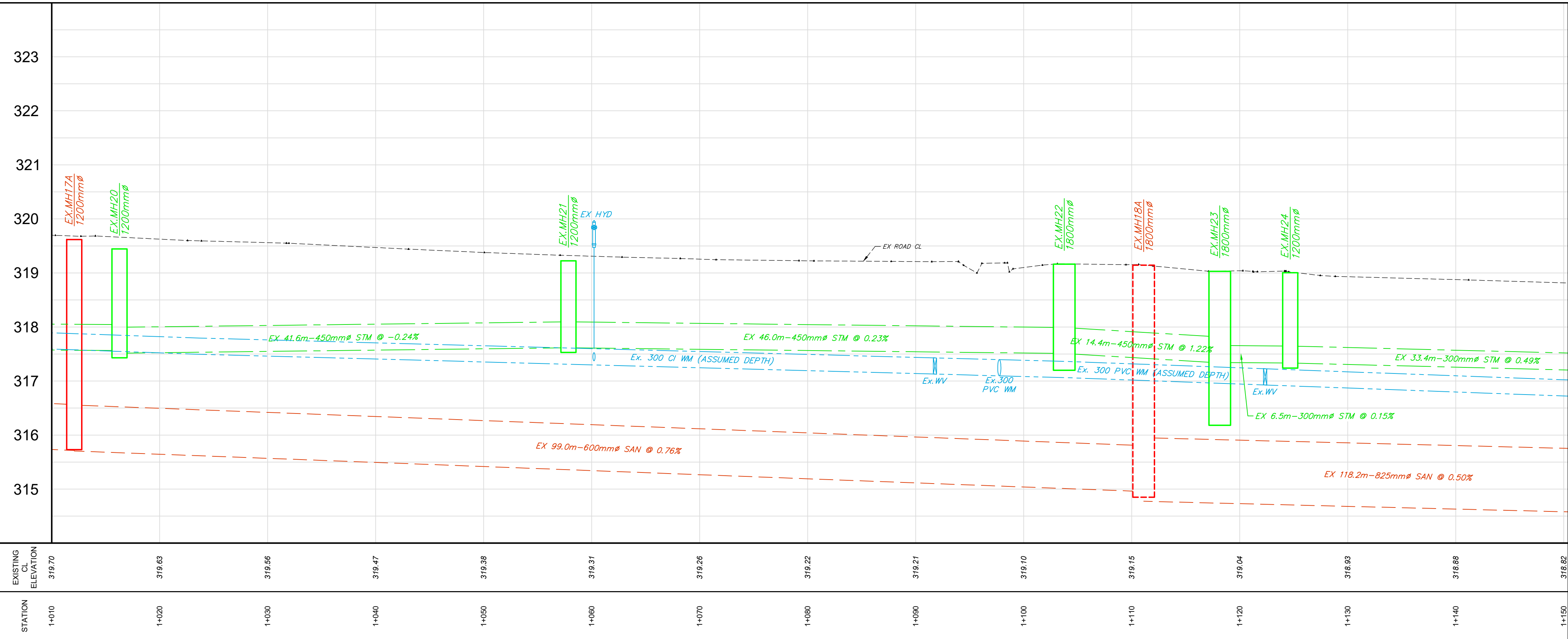
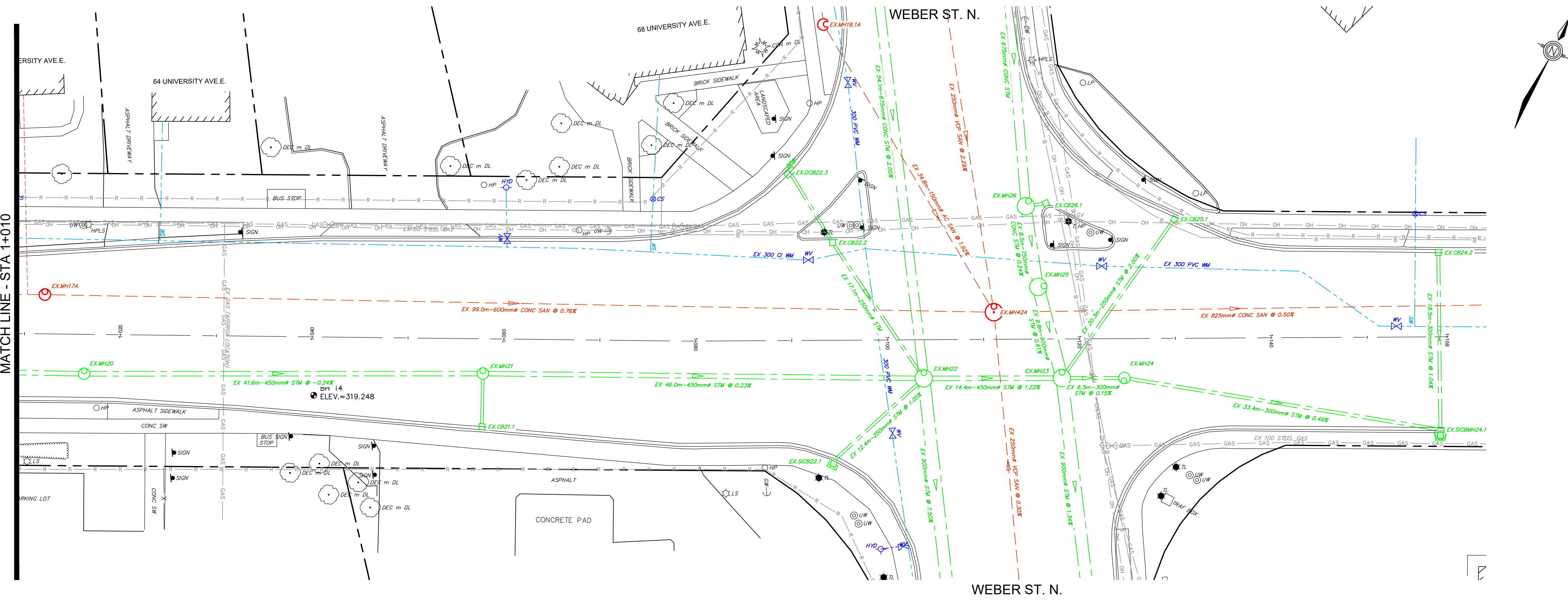
EXISTING CONDITION SURVEY COMPLETED BY IBI GROUP INC.
BY JJK/RM - APRIL 2019

No.	ISSUE/REVISION	BY	DATE
1.	30% DESIGN	JA	2022-07-18

UNIVERSITY AVENUE
(REGIONAL ROAD 57)
ALBERT ST. TO WEBER ST. N.
RECONSTRUCTION

UNIVERSITY AVENUE
EXISTING CONDITIONS & REMOVALS
STA 0+870 TO 1+010

DRAWN BY: PC	CONTRACT No. XXXX-XXX
CHECKED BY: JA	FILE No. 119697
DATE: July 2022	DRAWING No.
SCALE HOR: 1:250 VERT: 1:50	SHEET No. 7 OF ##
LAYOUT NAME:	EX7



KEY PLAN

DISCLAIMER:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:

CONTROLLING BENCH MARK: WA-15 (68U518)
ELEVATION=324.759m

EXISTING CONDITION SURVEY COMPLETED BY IBI GROUP INC.
BY JJK/RM - APRIL 2019

1.	30% DESIGN	JA	2022-07-18
No.	ISSUE/REVISION	BY	DATE

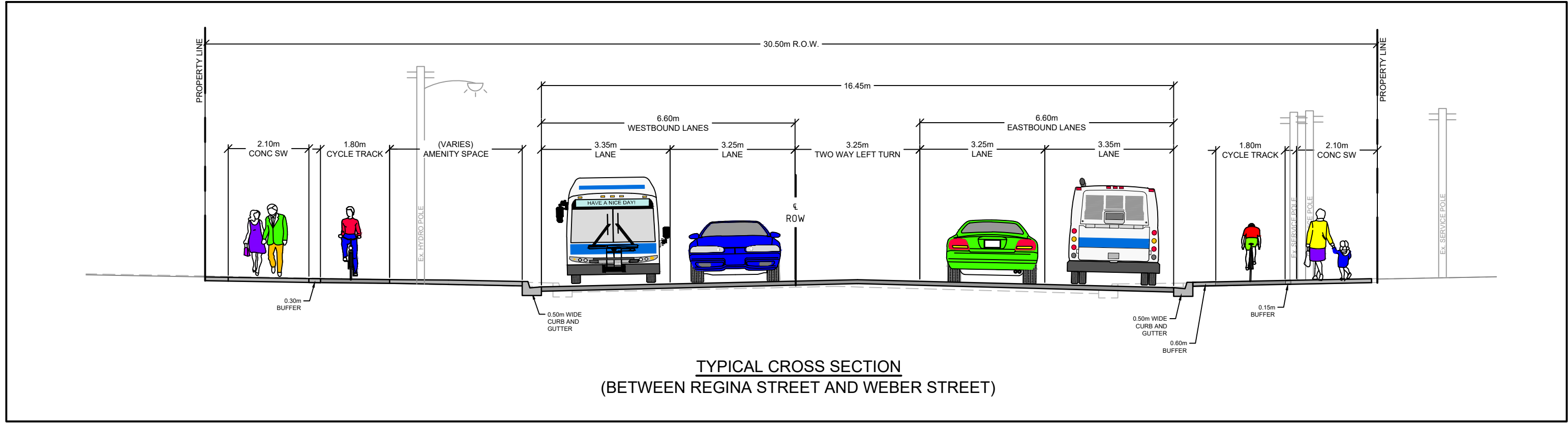
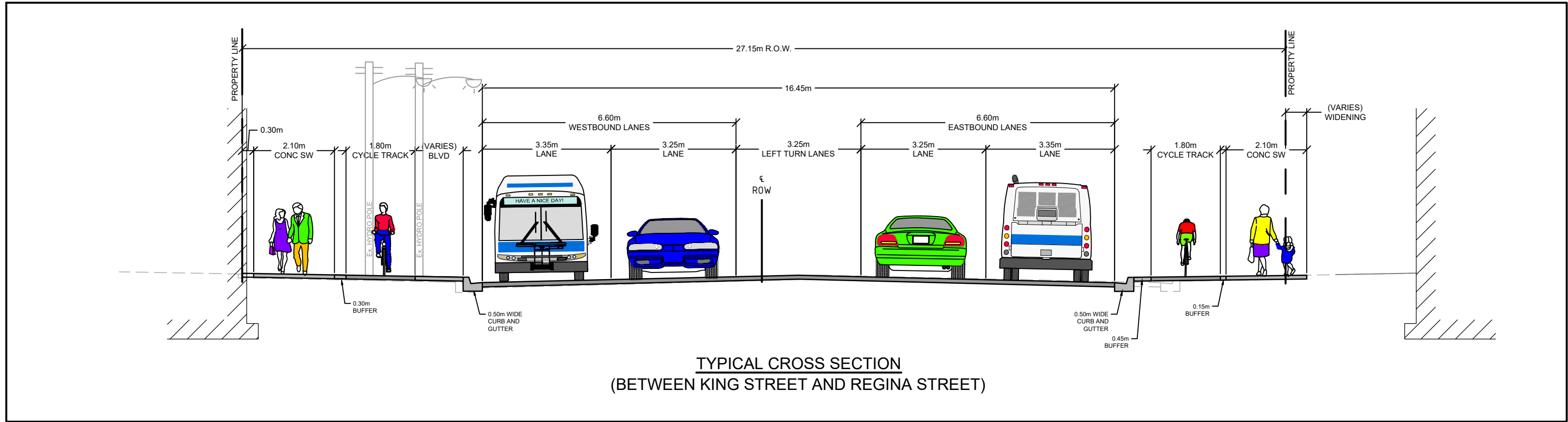
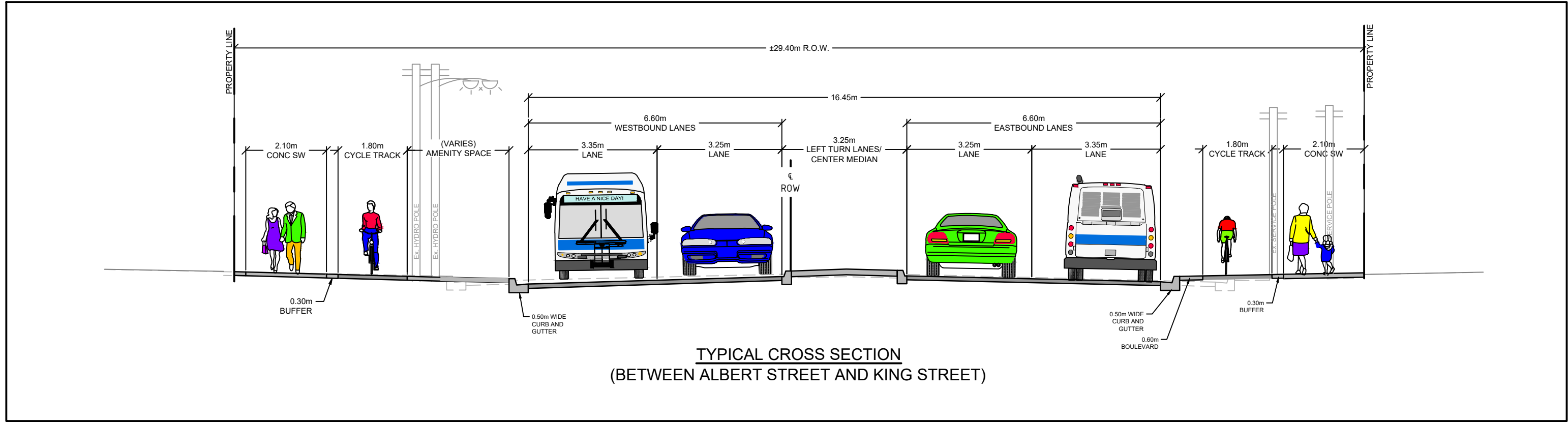
UNIVERSITY AVENUE
(REGIONAL ROAD 57)
ALBERT ST. TO WEBER ST. N.
RECONSTRUCTION

UNIVERSITY AVENUE
EXISTING CONDITIONS & REMOVALS
STA 1+010 TO 1+160

DRAWN BY:	PC	CONTRACT No.	XXXX-XXX
CHECKED BY:	JA	FILE No.	119697
DATE:	July 2022	DRAWING No.	
SCALE	HOR. 1:250 VERT. 1:50	SHEET No.	8 of ##
LAYOUT NAME:	EX8		

RDW-2023

J:\119697_ROW_UNIVAVE7.0_PRODUCTION\7.3_DESIGN\04_CIVIL\SHEET\119697_EX.DWG



KEY PLAN

DISCLAIMER:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOTES:

CONTROLLING BENCH MARK: WA-15 (68U518)
ELEVATION=324.759m

EXISTING CONDITION SURVEY COMPLETED BY IBI GROUP INC.
BY JJKRM - APRIL 2019

1.	30% DESIGN	JA	2022-07-18
No.	ISSUE/REVISION	BY	DATE

UNIVERSITY AVENUE
(REGIONAL ROAD 57)
ALBERT ST. TO WEBER ST. N.
RECONSTRUCTION

TYPICAL CROSS SECTIONS

DRAWN BY: PC

CHECKED BY: JA

DATE: July 2022

SCALE: HOR. 1:100
VERT. 1:100

LAYOUT NAME:

CONTRACT No. XXXX-XXX

FILE No. 119697

DRAWING No.

SHEET No. 11 of ##

TYP
XS

2/119697_ROW_UNIVAVE17_0_PRODUCTION/7_2_DESIGN/04_CIVIL/119697 CORR.DWG