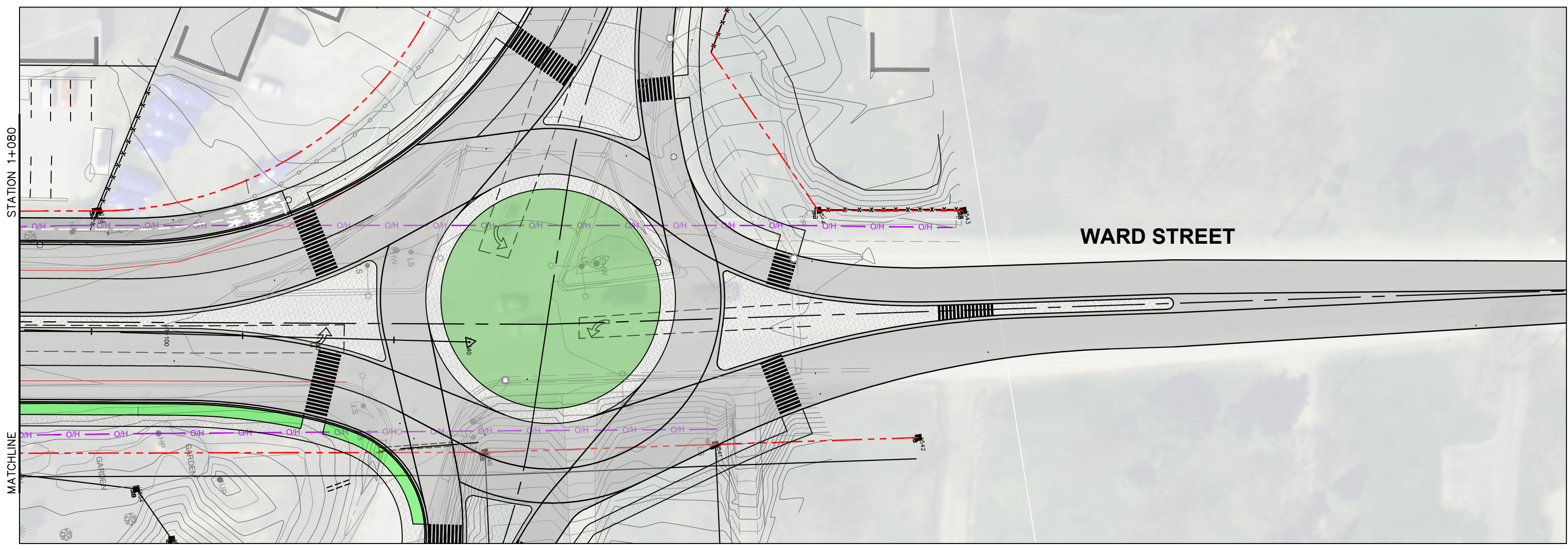
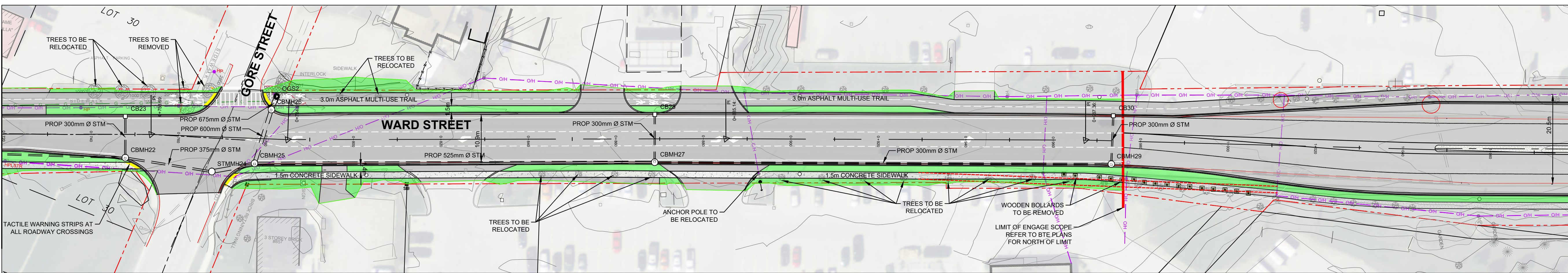
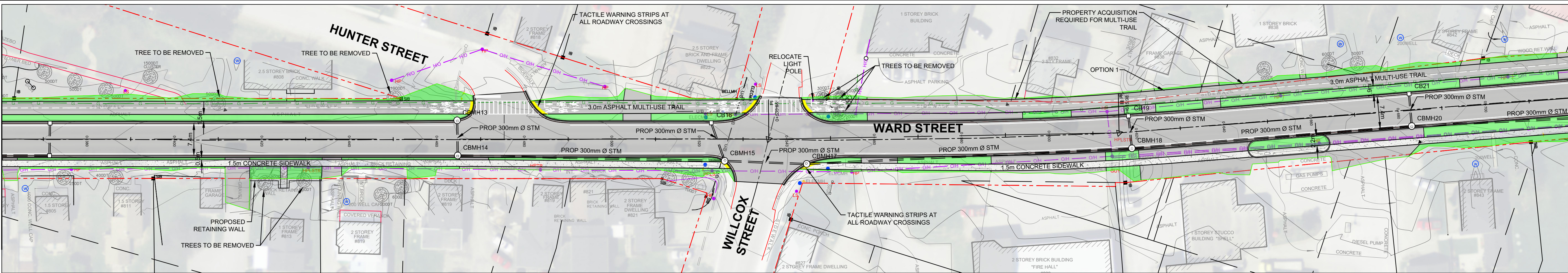
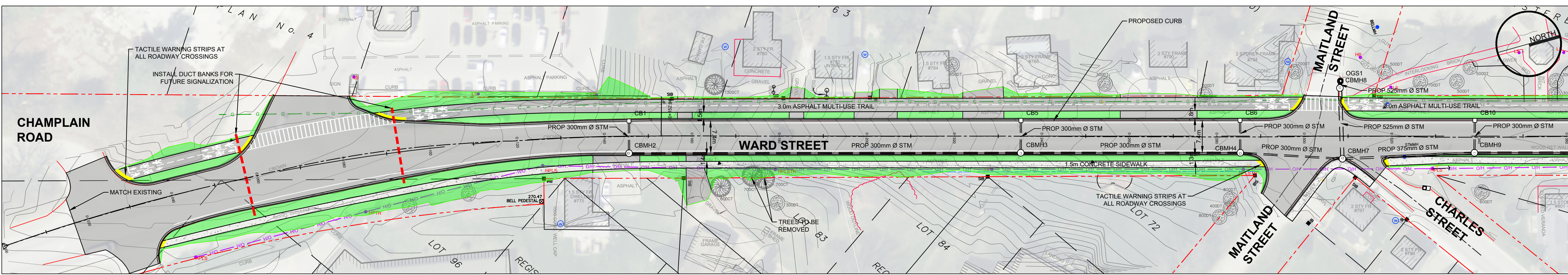




SURVEY
TOPOGRAPHIC SURVEY PROVIDED
BY ELLIOTT & PARR LAND SURVEYORS. SURVEY COMPLETED IN
DECEMBER OF 2016.

BENCHMARK
ELEVATIONS ARE GEODETIC REFERRED TO HORIZONTAL CONTROL
MONUMENT 0011972U417 BEING TABLET IN A CONCRETE END POST
OF THE EAST END OF THE CAUSEWAY BRIDGE.

ELEV: 254.324m

NOTES:

1.	ISSUED FOR CLIENT REVIEW	JA	2018-04-27
No.	REVISION	BY	DATE

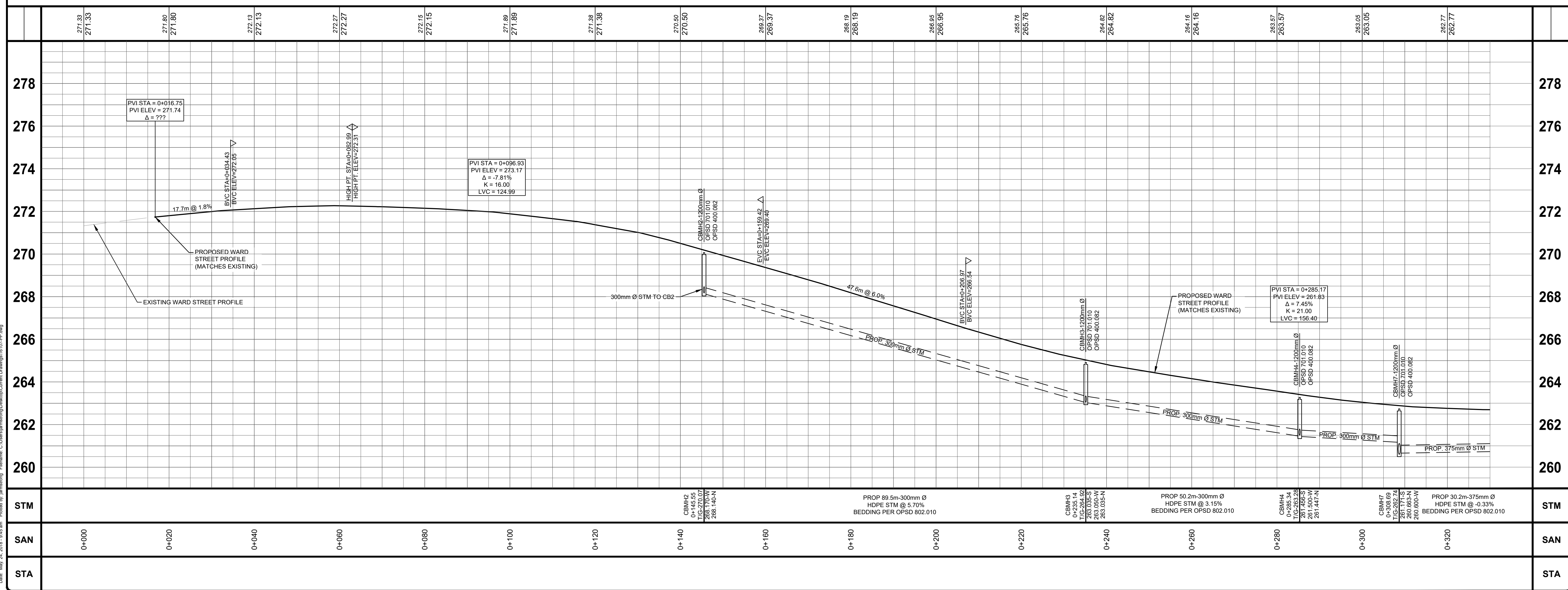
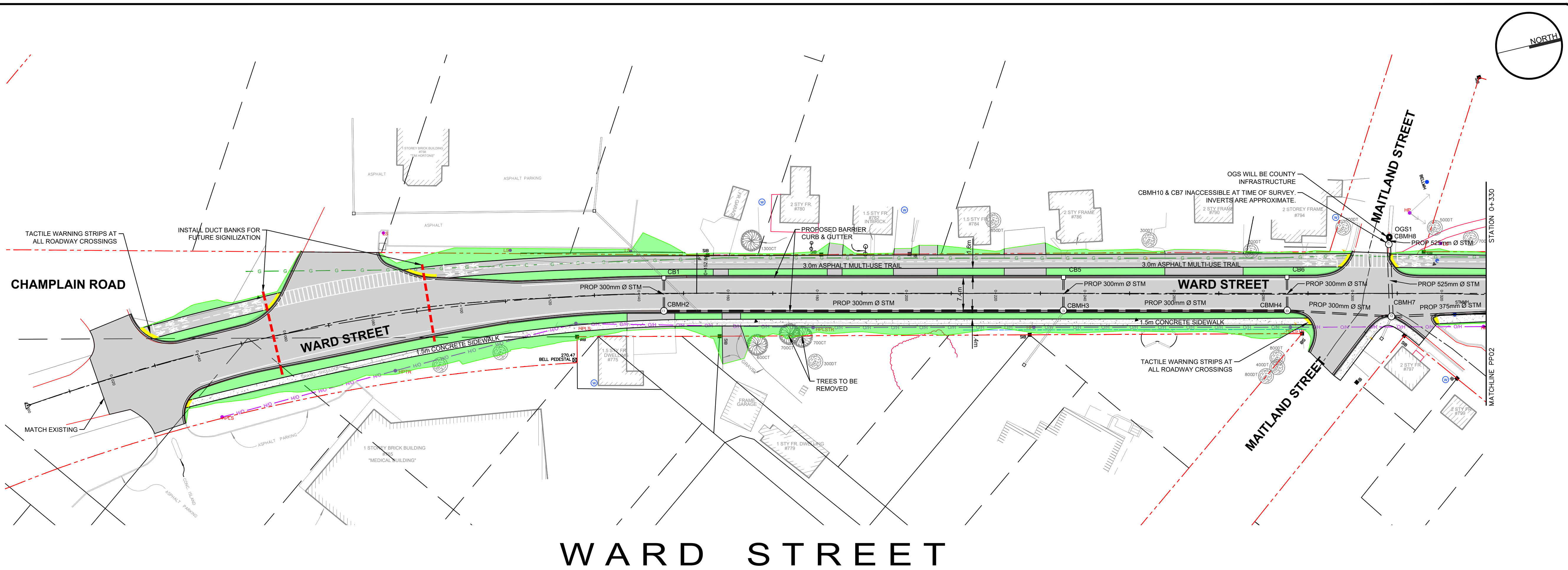


WARD STREET PRELIMINARY DESIGN

COUNTY OF PETERBOROUGH

WARD STREET OVERALL PLAN

BRIDGENORTH, ON.	
DRAWN BY: J. ARMSTRONG	STAMP:
DESIGNED BY: J. ARMSTRONG	
APPROVED BY: P. HURLEY	
DATE: 2018-04-11	
SCALE: 1:500	
PROJECT NUMBER: 16107	FILE NAME: 16107-OP1
	SHEET: 01 of 10



SURVEY

TOPOGRAPHIC SURVEY PROVIDED
BY ELLIOTT & PARR LAND SURVEYORS. SURVEY COMPLETED IN
DECEMBER OF 2016.

BENCHMARK

ELEVATIONS ARE GEODETIC REFERRED TO HORIZONTAL CONTROL MONUMENT 0011972U417 BEING TABLET IN A CONCRETE END POST OF THE EAST END OF THE CAUSEWAY BRIDGE.

ELEV: 254.324m

NOTES:

1. SERVICE CONNECTION INFORMATION MAY BE INCOMPLETE, OR ONLY GENERALLY ACCURATE. SOME SANITARY SERVICES MAY ALSO HAVE SEPARATE CELLAR DRAIN PIPES.
2. FOR PARALLEL INSTALLATION OF WATERMAIN AND A SANITARY/SYSTEM SEWER (INCLUDING A CATCHBASIN LEAD), PROVIDE A MINIMUM 250mm CLEAR HORIZONTAL SEPARATION DISTANCE FROM PIPE EDGE TO PIPE EDGE. FOR CROSSING, A WATERMAIN BELOW OR ABOVE A SANITARY/SYSTEM SEWER INCLUDING A CATCHBASIN LEAD SHALL BE A MINIMUM 500mm VERTICAL SEPARATION DISTANCE BETWEEN CROWN WATERMAIN AND INVERT OF SEWER.
3. ALL WATER SERVICE CONNECTIONS ARE 19mm Ø P.E. PIPE WITH SERVICE BOXES SET ON PROPERTY LINE, UNLESS OTHERWISE NOTED.
4. FOR MANHOLES, CATCHBASIN MANHOLES AND CATCHBASINS, GRATE ELEVATIONS ARE THE FINISHED PAVEMENT ELEVATION AT THE EDGE OF THE CLEAR HORIZONTAL SEWER. CATCHBASIN GRATE ELEVATIONS ARE THE TOP OF CURB ELEVATION.
5. ALL CATCHBASIN AND CATCHBASIN MANHOLES SHALL BE OUTFITTED WITH SIDE INLET TYPE FRAME AND GRATES.
6. MANHOLE TAPER CONES AND FRAMES SHALL BE ROTATED TO ENSURE THE COVER IS NOT POSITIONED IN THE WHEEL PATH.
7. TEMPORARY SUPPORT OF EXISTING UTILITY POLES MUST BE APPROVED BY THE OWNER. ALL ASSOCIATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHILE THE POSITION, THE DEPTH AND THE TYPE OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
9. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

REFER TO LANDSCAPE
PLANS FOR COMMUNIT
IMPROVEMENT DETAILS

1.	ISSUED FOR PIC #2	JA	2018-05-24
No.	REVISION	BY	DATE

 ENGAGE

LINX
ENGINEERING

175 King Street, Suite 530, Bala Cynwyd, PA 19004 • Phone: (765) 766-0450

WARD STREET
PRELIMINARY DESIGN

PRELIMINARY DESIGN

WARD STREET

PLAN & PROFILE

BRIDGENORTH, ON.

DRAWN BY:	STAMP:
J. ARMSTRONG	

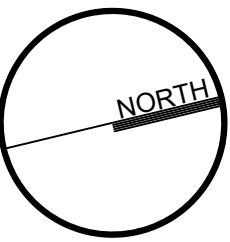
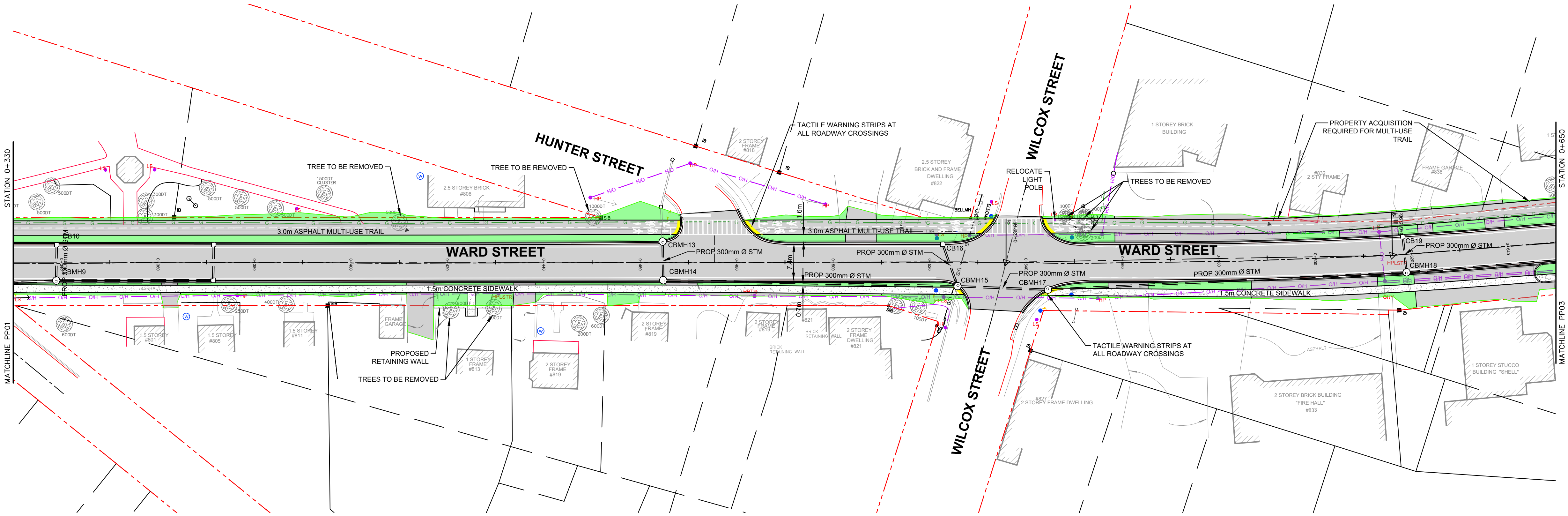
DESIGNED BY:
J.ARMSTRONG

P.HURLEY	
DATE:	

2018-04-11	
SCALE:	

1:500H 1:100V		
PROJECT NUMBER:	FILE NAME:	SHEET:

16107	16107-PP	02 of 10
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SURVEY
TOPOGRAPHIC SURVEY PROVIDED
BY ELLIOTT & PARR LAND SURVEYORS. SURVEY COMPLETED IN
DECEMBER OF 2016.

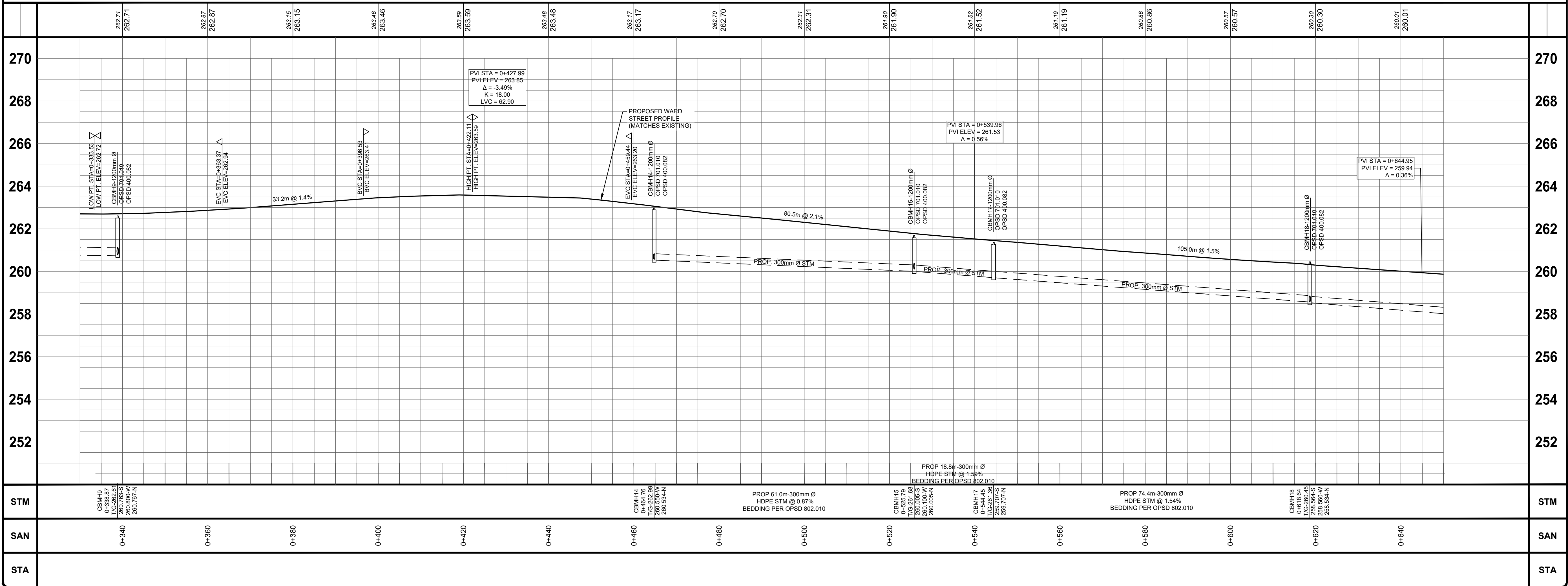
BENCHMARK
ELEVATIONS ARE GEODETIC REFERRED TO HORIZONTAL CONTROL
MONUMENT 00119720417 BEING TABLET IN A CONCRETE END POST
OF THE EAST END OF THE CAUSEWAY BRIDGE.

ELEV: 254.324m

- NOTES:**
- SERVICE CONNECTION INFORMATION MAY BE INCOMPLETE, OR ONLY GENERALLY ACCURATE. SOME SANITARY SERVICES MAY ALSO HAVE SEPARATE CELLAR DRAIN PIPES.
 - FOR PARALLEL INSTALLATION OF WATERMAIN AND A SANITARY/STORM SEWER (INCLUDING A CATCHBASIN LEAD), PROVIDE MINIMUM 2.5m CLEAR HORIZONTAL SEPARATION DISTANCE FROM PIPE EDGE TO PIPE EDGE. FOR CROSSING OF A WATERMAIN BELOW OR ABOVE A SANITARY/STORM SEWER (INCLUDING A CATCHBASIN LEAD) PROVIDE A 0.5m CLEAR VERTICAL SEPARATION DISTANCE BETWEEN CROWN WATERMAIN AND INVERT OF SEWER.
 - ALL WATER SERVICE CONNECTIONS ARE 100mm Ø P.E. PIPE WITH SERVICE BOXES SET ON PROPERTY LINE, UNLESS OTHERWISE NOTED.
 - FOR MANHOLES, CATCHBASIN MANHOLES AND CATCHBASINS, GRATE ELEVATIONS ARE THE FINISHED PAVEMENT ELEVATION AT THE CENTRE OF THE STRUCTURE. SIDE INLET CATCHBASIN GRATE ELEVATIONS ARE THE TOP OF CURB ELEVATION.
 - ALL CATCHBASIN AND CATCHBASIN MANHOLES SHALL BE OUTFITTED WITH SIDE INLET TYPE FRAME AND GRATES.
 - MANHOLE TAPER CONES AND FRAMES SHALL BE ROTATED TO ENSURE THE COVER IN NOT POSITIONED IN THE WHEEL PATH.
 - TEMPORARY SUPPORT OF EXISTING UTILITY POLES MUST BE APPROVED BY THE OWNER. ALL ASSOCIATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.
 - PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

REFER TO LANDSCAPE
PLANS FOR COMMUNITY
IMPROVEMENT DETAILS

WARD STREET



1.	ISSUED FOR PIC #2	JA	2018-05-24
No.	REVISION	BY	DATE



**WARD STREET
PRELIMINARY DESIGN**

COUNTY OF PETERBOROUGH

**WARD STREET
PLAN & PROFILE
STA. 0+330 TO 0+650**

BRIDGENORTH, ON.

DRAWN BY: J. ARMSTRONG	STAMP:
DESIGNED BY: J. ARMSTRONG	
APPROVED BY: P. HURLEY	
DATE: 2018-04-11	
SCALE: 1:500H 1:100V	
PROJECT NUMBER: 16107	FILE NAME: 16107-PP
	SHEET: 03 of 10

SURVEY
TOPOGRAPHIC SURVEY PROVIDED
BY ELLIOTT & PARR LAND SURVEYORS. SURVEY COMPLETED IN
DECEMBER OF 2016.

BENCHMARK
ELEVATIONS ARE GEODETIC REFERRED TO HORIZONTAL CONTROL
MONUMENT 0011972U417 BEING TABLET IN A CONCRETE END POST
OF THE EAST END OF THE CAUSEWAY BRIDGE.

ELEV: 254.324m

NOTES:

- SERVICE CONNECTION INFORMATION MAY BE INCOMPLETE,
OR ONLY GENERALLY ACCURATE. SOME SANITARY SERVICES
MAY ALSO HAVE SEPARATE CELLAR DRAIN PIPES.
- FOR PARALLEL INSTALLATION OF WATERMAIN AND A
SANITARY/STORM SEWER (INCLUDING A CATCHBASIN LEAD),
PROVIDE MINIMUM 2.5m CLEAR HORIZONTAL SEPARATION
DISTANCE FROM PIPE EDGE TO PIPE EDGE. FOR CROSSING OF
A WATERMAIN BELOW OR ABOVE A SANITARY/STORM SEWER
(INCLUDING A CATCHBASIN LEAD) PROVIDE A 0.5m CLEAR
VERTICAL SEPARATION DISTANCE BETWEEN CROWN
WATERMAIN AND INVERT OF SEWER.
- ALL WATER SERVICE CONNECTIONS ARE 19mm Ø P.E. PIPE
WITH SERVICE BOXES SET ON PROPERTY LINE, UNLESS
OTHERWISE NOTED.
- FOR MANHOLES, CATCHBASIN MANHOLES AND CATCHBASINS,
GRATE ELEVATIONS ARE THE FINISHED PAVEMENT ELEVATION
AT THE CENTRE OF THE STRUCTURE. SIDE INLET CATCHBASIN
GRATE ELEVATIONS ARE THE TOP OF CURB ELEVATION.
- ALL CATCHBASIN AND CATCHBASIN MANHOLES SHALL BE
OUTFITTED WITH SIDE INLET TYPE FRAME AND GRATES.
- MANHOLE TAPER CONES AND FRAMES SHALL BE ROTATED TO
ENSURE THE COVER IN NOT POSITIONED IN THE WHEEL PATH.
- TEMPORARY SUPPORT OF EXISTING UTILITY POLES MUST BE
APPROVED BY THE OWNER. ALL ASSOCIATED COSTS WILL BE
THE RESPONSIBILITY OF THE CONTRACTOR.
- THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS,
SEWERS AND OTHER UTILITIES AND STRUCTURES ARE NOT
NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND
WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH
UTILITIES AND STRUCTURES IS NOT GUARANTEED.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL
CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH
UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY
DAMAGE TO THEM MADE DURING THE COURSE OF THE
CONTRACT WORK.

REFER TO LANDSCAPE
PLANS FOR COMMUNITY
IMPROVEMENT DETAILS

1.	ISSUED FOR PIC #2	JA	2018-05-24
No.	REVISION	BY	DATE

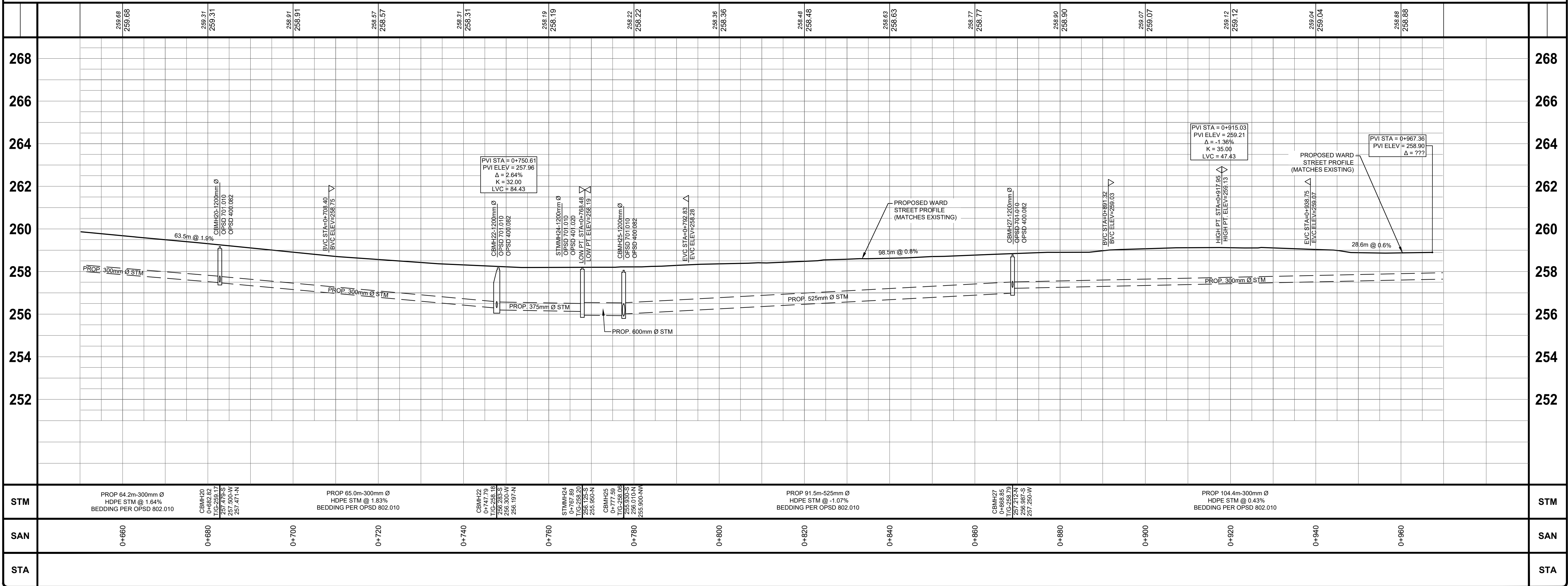
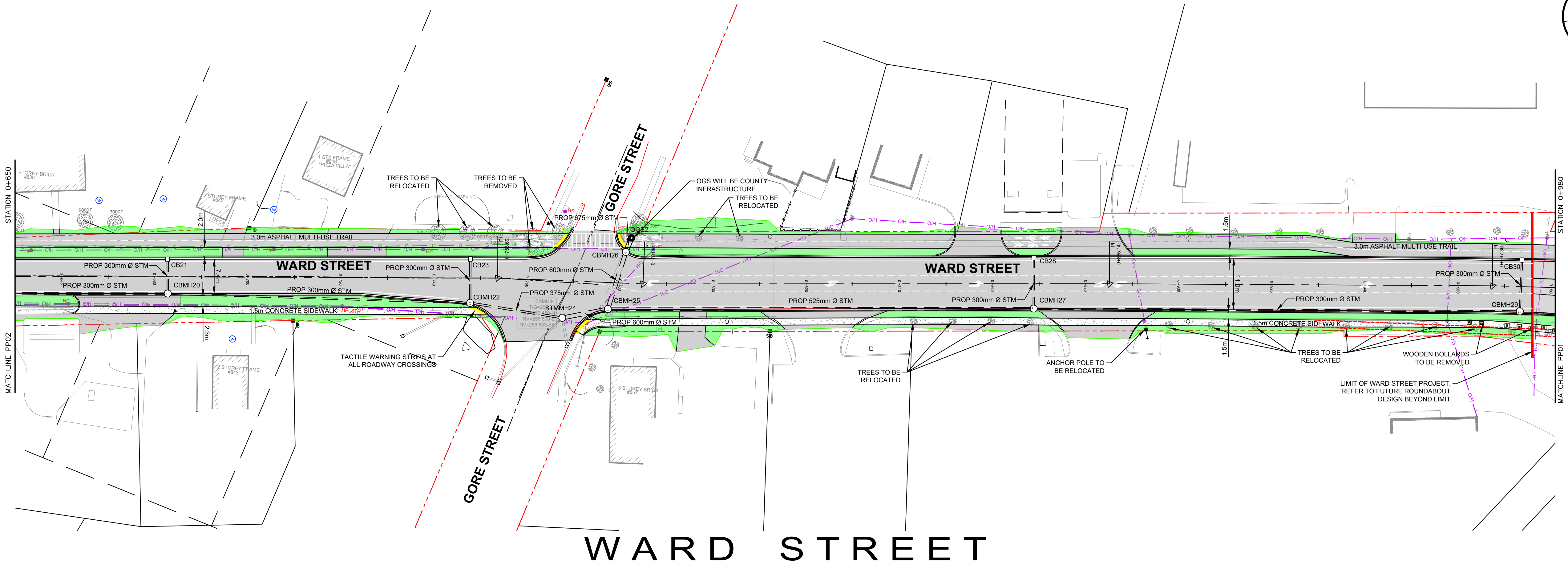


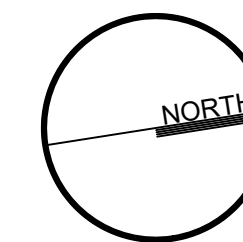
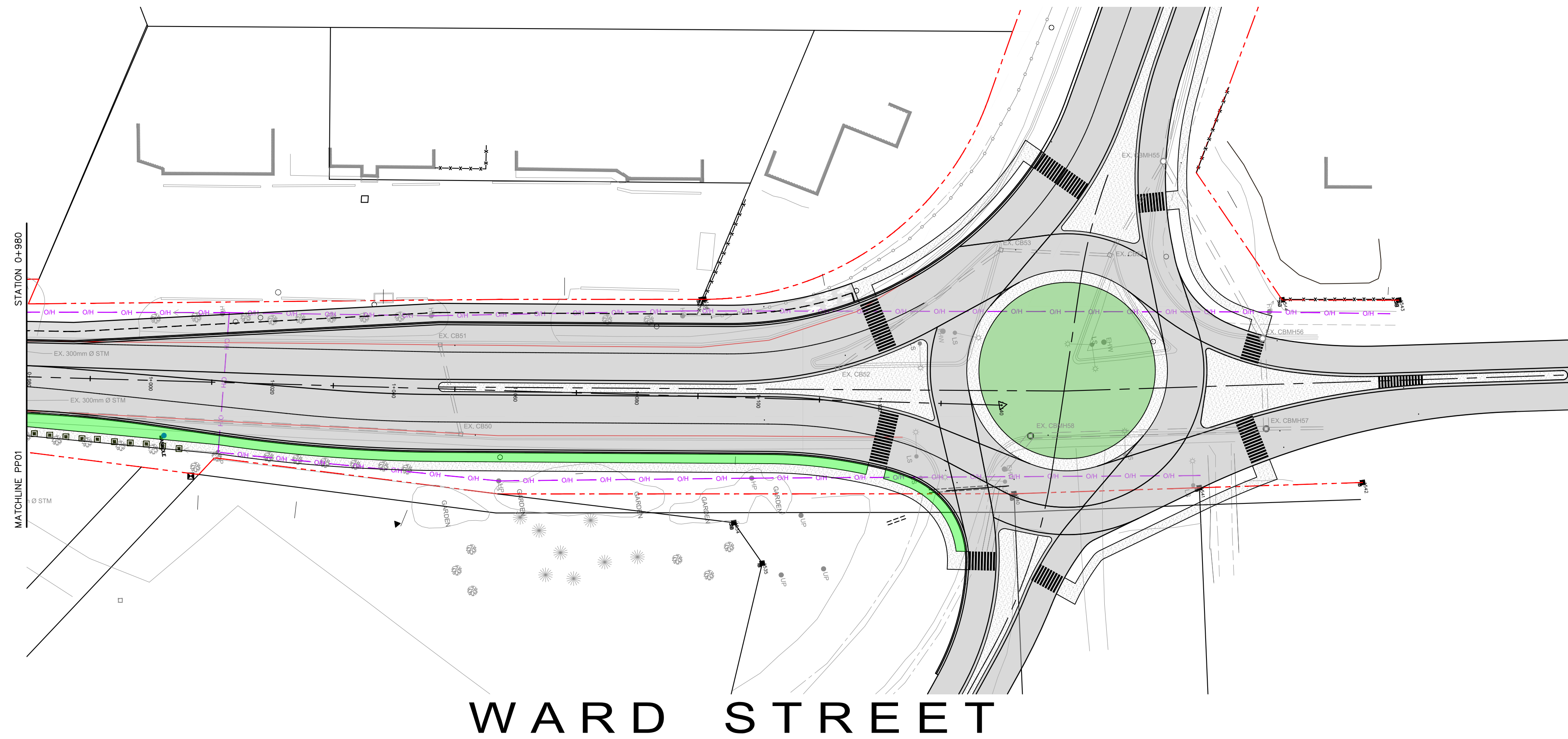
**WARD STREET
PRELIMINARY DESIGN**

COUNTY OF PETERBOROUGH

**WARD STREET
PLAN & PROFILE
STA. 0+650 TO 0+970**

BRIDGENORTH, ON.		
DRAWN BY: J. ARMSTRONG	STAMP:	
DESIGNED BY: J. ARMSTRONG		
APPROVED BY: P. HURLEY		
DATE: 2018-04-11		
SCALE: 1:500H 1:100V		
PROJECT NUMBER: 16107	FILE NAME: 16107-PP	SHEET: 04 of 10





SURVEY
TOPOGRAPHIC SURVEY PROVIDED
BY ELLIOTT & PARR LAND SURVEYORS. SURVEY COMPLETED IN
DECEMBER OF 2016.

BENCHMARK
ELEVATIONS ARE GEODETIC REFERRED TO HORIZONTAL CONTROL
MONUMENT 0011972U417 BEING TABLET IN A CONCRETE END POST
OF THE EAST END OF THE CAUSEWAY BRIDGE.

NOTES:

1. SERVICE CONNECTION INFORMATION MAY BE INCOMPLETE, OR ONLY GENERALLY ACCURATE. SOME SANITARY SERVICES MAY ALSO HAVE SEPARATE CELLAR DRAIN PIPES.
2. FOR PARALLEL INSTALLATION OF WATERMAIN AND SANITARY/SYSTEM SEWER (INCLUDING A CATCHBASIN LEAD), THE MINIMUM 1.25M VERTICAL SEPARATION DISTANCE FROM PIPE EDGE TO PIPE EDGE, FOR CROSSING OF A WATERMAIN BELOW OR ABOVE A SANITARY/SYSTEM SEWER (INCLUDING A CATCHBASIN LEAD), SHALL BE THE SAME VERTICAL SEPARATION DISTANCE BETWEEN CROWN WATERMAIN AND INVERT OF SEWER.
3. ALL WATER SERVICE CONNECTIONS ARE 19mm Ø P.E. PIPE WITH SERVICE BOXES SET ON PROPERTY LINE, UNLESS OTHERWISE NOTED.
4. FOR MANHOLES, CATCHBASIN MANHOLES AND CATCHBASIN, GRATE ELEVATIONS ARE THE FINISHED PAVEMENT ELEVATION (NOT THE CENTRE OF THE MANHOLE). INLET CATCHBASIN GRATE ELEVATIONS ARE THE TOP OF CURB ELEVATION.
5. ALL CATCHBASIN AND CATCHBASIN MANHOLES SHALL BE OUTFITTED WITH SUD INLET TYPE FRAME AND GRATES.
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9. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

[illegible]

1.	ISSUED FOR PIC #2	JA	2018-05-24
No.	REVISION	BY	DATE



**WARD STREET
PRELIMINARY DESIGN**

COUNTY OF PETERBOROUGH

**WARD STREET
PLAN & PROFILE
STA. 0+980 TO 1+140**

BRIDGENORTH, ON.

DRAWN BY:		STAMP:
J. ARMSTRONG		

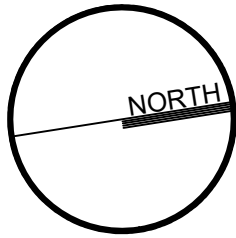
DESIGNED BY:	
J.ARMSTRONG	

APPROVED BY:
P. HURLEY

DATE:	2018-04-11
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SCALE:
1:500H 1:100V

PROJECT NUMBER: 16107	FILE NAME: 16107-PP	SHEET: 05 of 10
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SURVEY
TOPOGRAPHIC SURVEY PROVIDED
BY ELLIOTT & PARR LAND SURVEYORS. SURVEY COMPLETED IN
DECEMBER OF 2016.

BENCHMARK
ELEVATIONS ARE GEODETIC REFERRED TO HORIZONTAL CONTROL
MONUMENT 00119/20417 BEING TABLET IN A CONCRETE END POST
OF THE EAST END OF THE CAUSEWAY BRIDGE.

ELEV: 254.324m

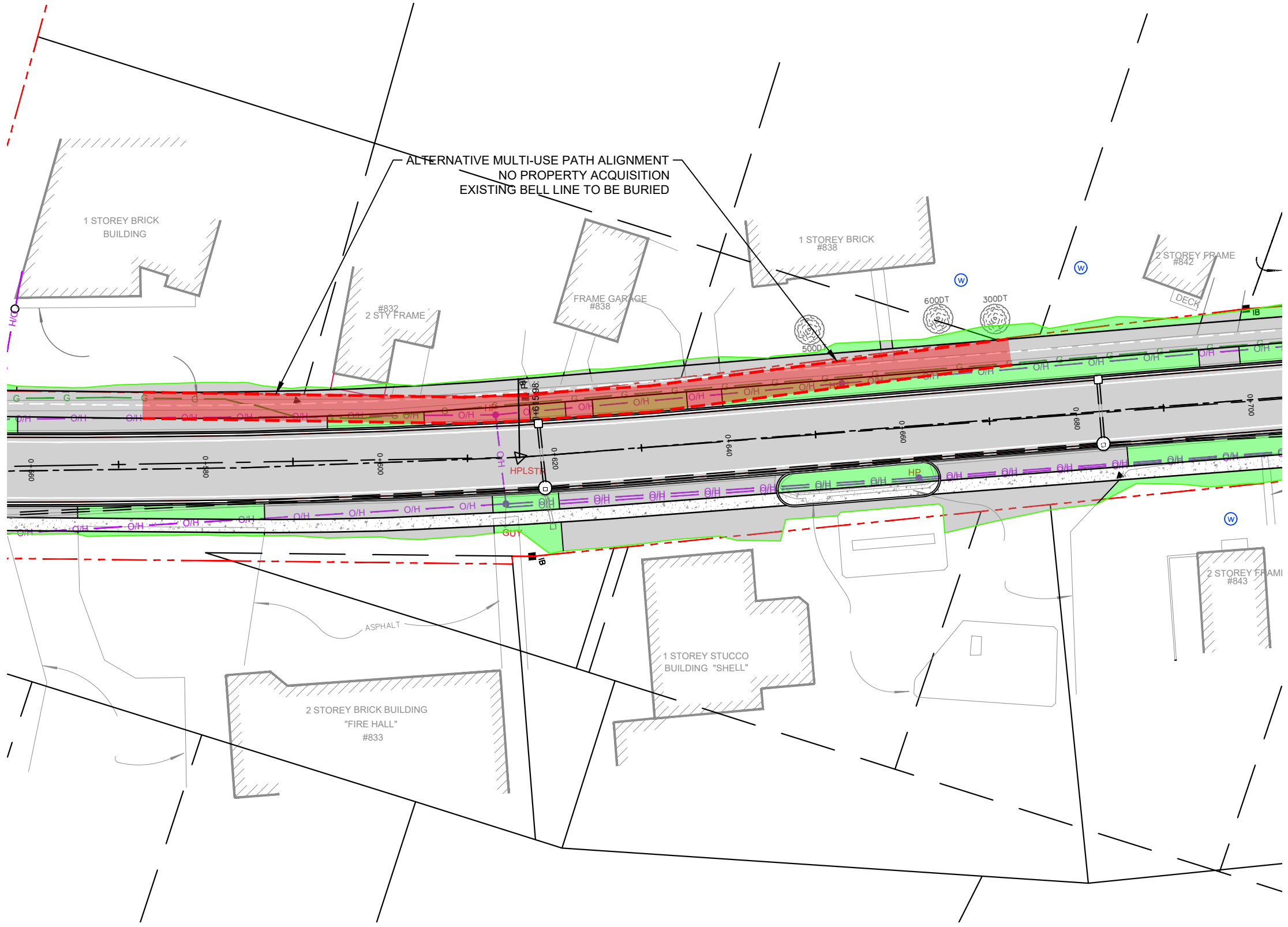
NOTES:

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PROVIDE MINIMUM 2.5m CLEAR HORIZONTAL SEPARATION
DISTANCE FROM PIPE EDGE TO PIPE EDGE. FOR CROSSING OF
A WATERMAIN BELOW OR ABOVE A SANITARY/STORM SEWER
(INCLUDING A CATCHBASIN LEAD) PROVIDE A 0.5m CLEAR
VERTICAL SEPARATION DISTANCE BETWEEN CROWN
WATERMAIN AND INVERT OF SEWER.
- ALL WATER SERVICE CONNECTIONS ARE 19mm Ø P.E. PIPE
WITH SERVICE BOXES SET ON PROPERTY LINE, UNLESS
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- FOR MANHOLES, CATCHBASIN MANHOLES AND CATCHBASINS,
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- TEMPORARY SUPPORT OF EXISTING UTILITY POLES MUST BE
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CONTRACT WORK.



REFER TO LANDSCAPE
PLANS FOR COMMUNITY
IMPROVEMENT DETAILS

INTERIM WARD STREET AND CAUSEWAY INTERSECTION



MULTI-USE PATH OPTION - NO PROPERTY ACQUISITION

1.	ISSUED FOR PIC #2	JA	2018-05-24
No.	REVISION	BY	DATE



WARD STREET PRELIMINARY DESIGN

CLIENT

WARD STREET INTERIM INTERSECTION LAYOUT

BRIDGENORTH

DRAWN BY:	STAMP:
DRAWN	
DESIGNED BY:	
DESIGNED	
APPROVED BY:	
APPROVED	
DATE:	
DATE	

SCALE:
SCALE

PROJECT NUMBER:	FILE NAME:	SHEET:
PROJECT#	16107-PP	05 of 10