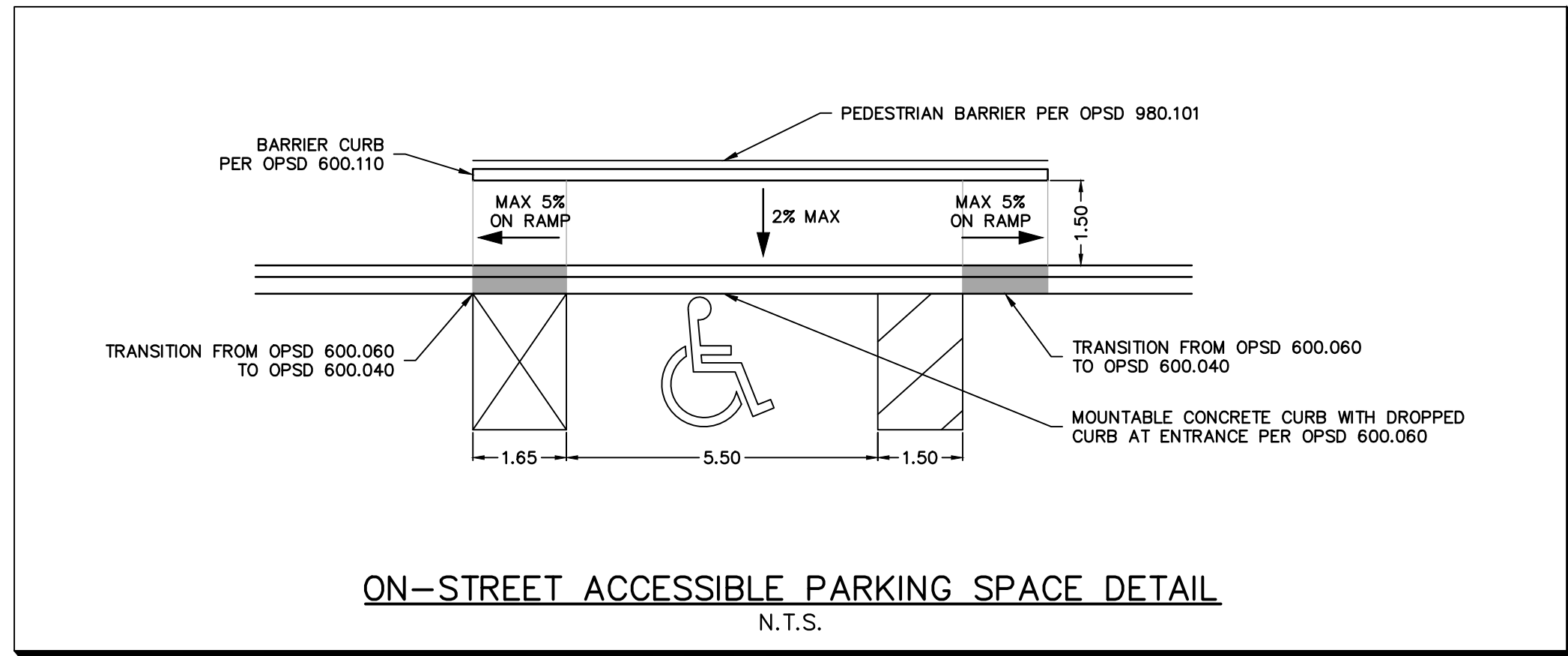
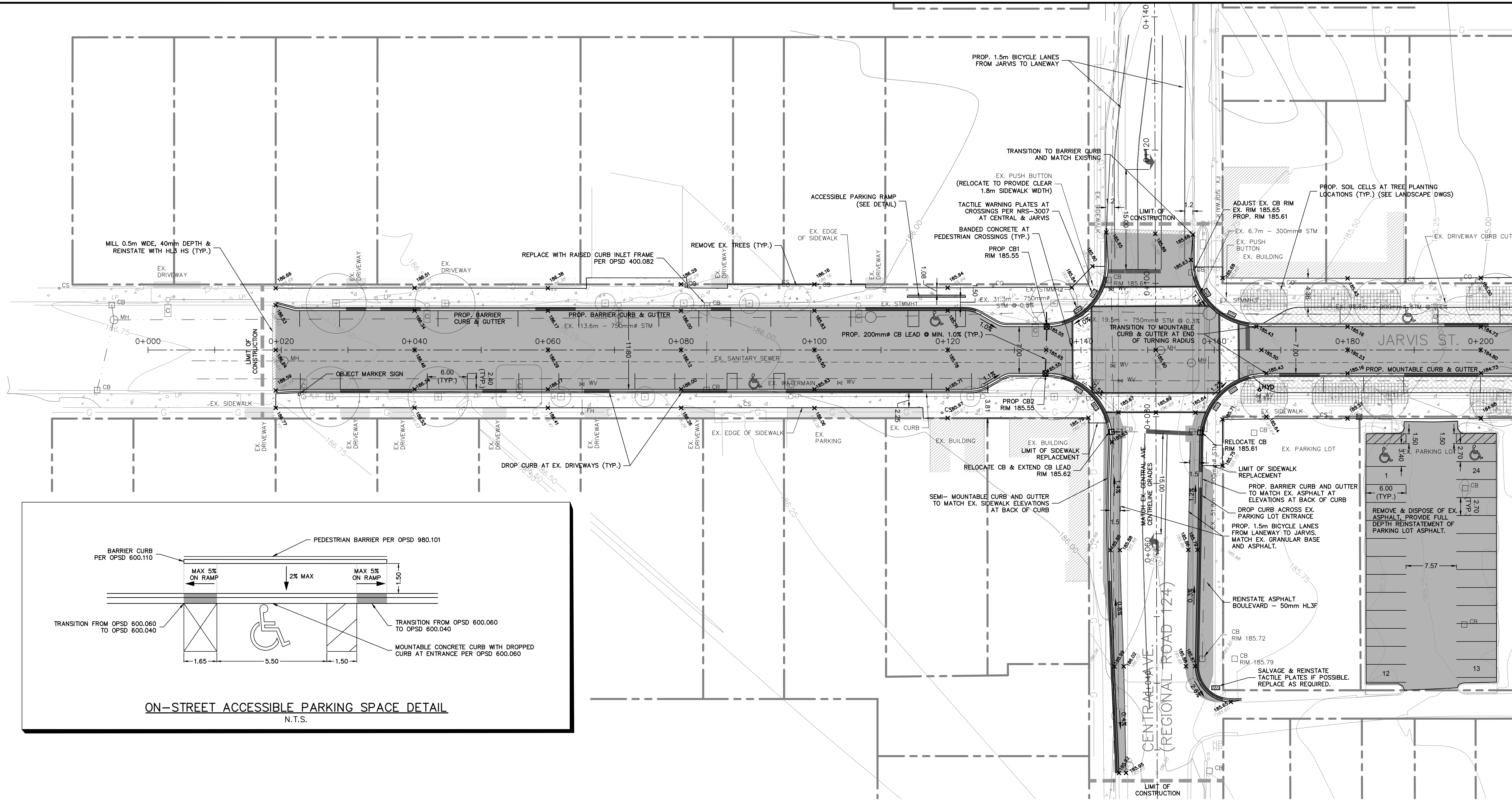


0	TENDER	05 APR 2022	NS
K	PAVEMENT MARKINGS	23 AUG 2021	NS
J	APPROVAL	16 JUL 2021	NS
I	APPROVAL	04 JUN 2021	NS
H	90% DESIGN	03 MAR 2021	NS
G	REGION REVIEW	16 DEC 2020	NS
F	TOFE COMMENTS	30 NOV 2020	NS
E	BIA REVIEW	03 NOV 2020	NS
D	REVIEW	27 OCT 2020	NS
C	REVIEW	22 JUN 2020	NS
B	REVIEW	31 MAR 2020	NS
A	FOR TOFE MEETING	09 MAR 2020	NS
Issue	issued for	date	init.



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www.quartekgroup.com

project title

JARVIS STREET ROAD
RECONSTRUCTION AND
STREETSCAPING

FORT ERIE

drawing title

STA 0+000 TO 0+205

drawn by

NS

designed by

NS/EF

scale

1:300

date

05 FEB 2020

job number

17279

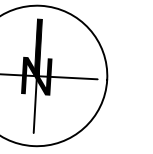
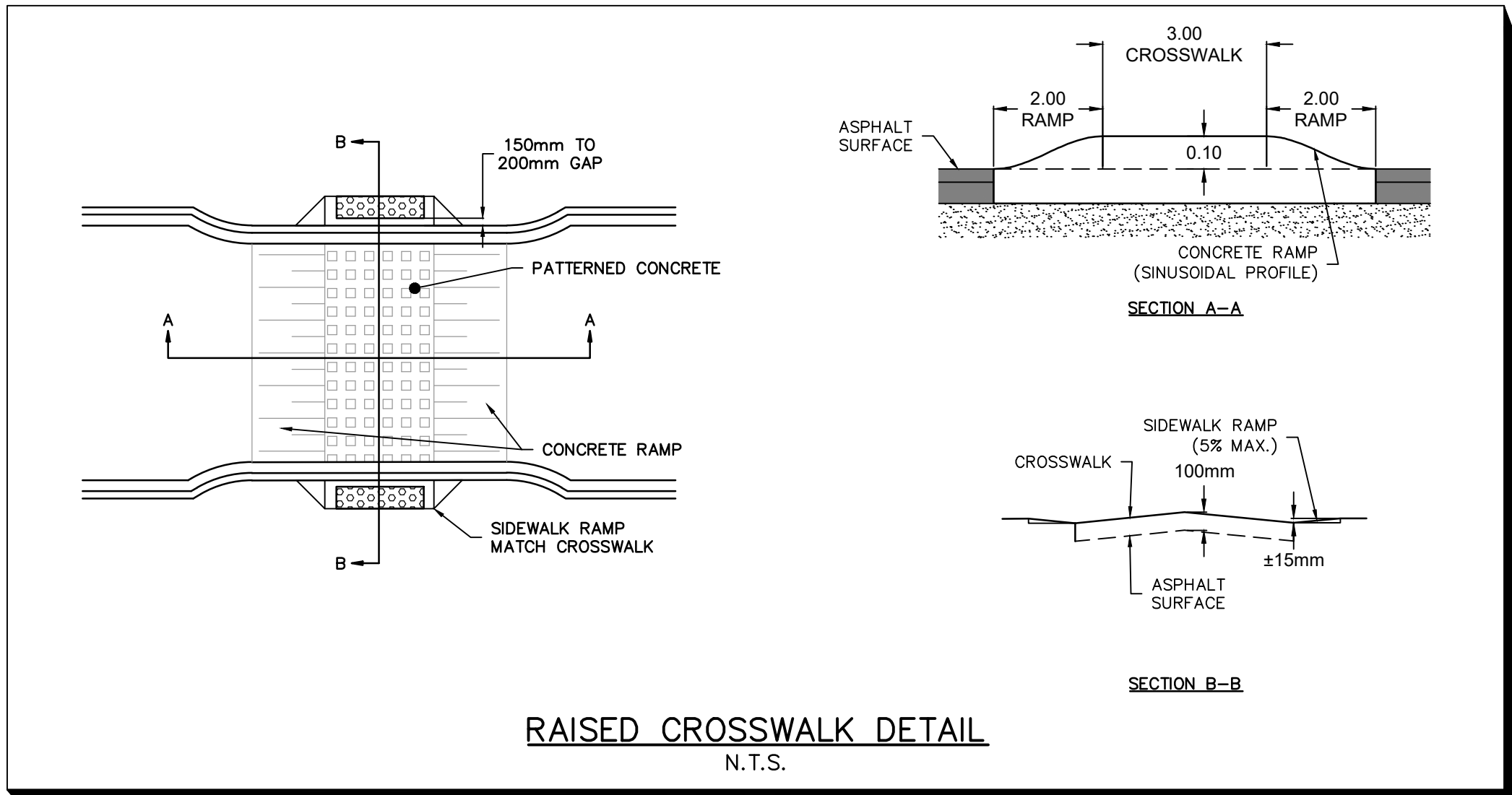
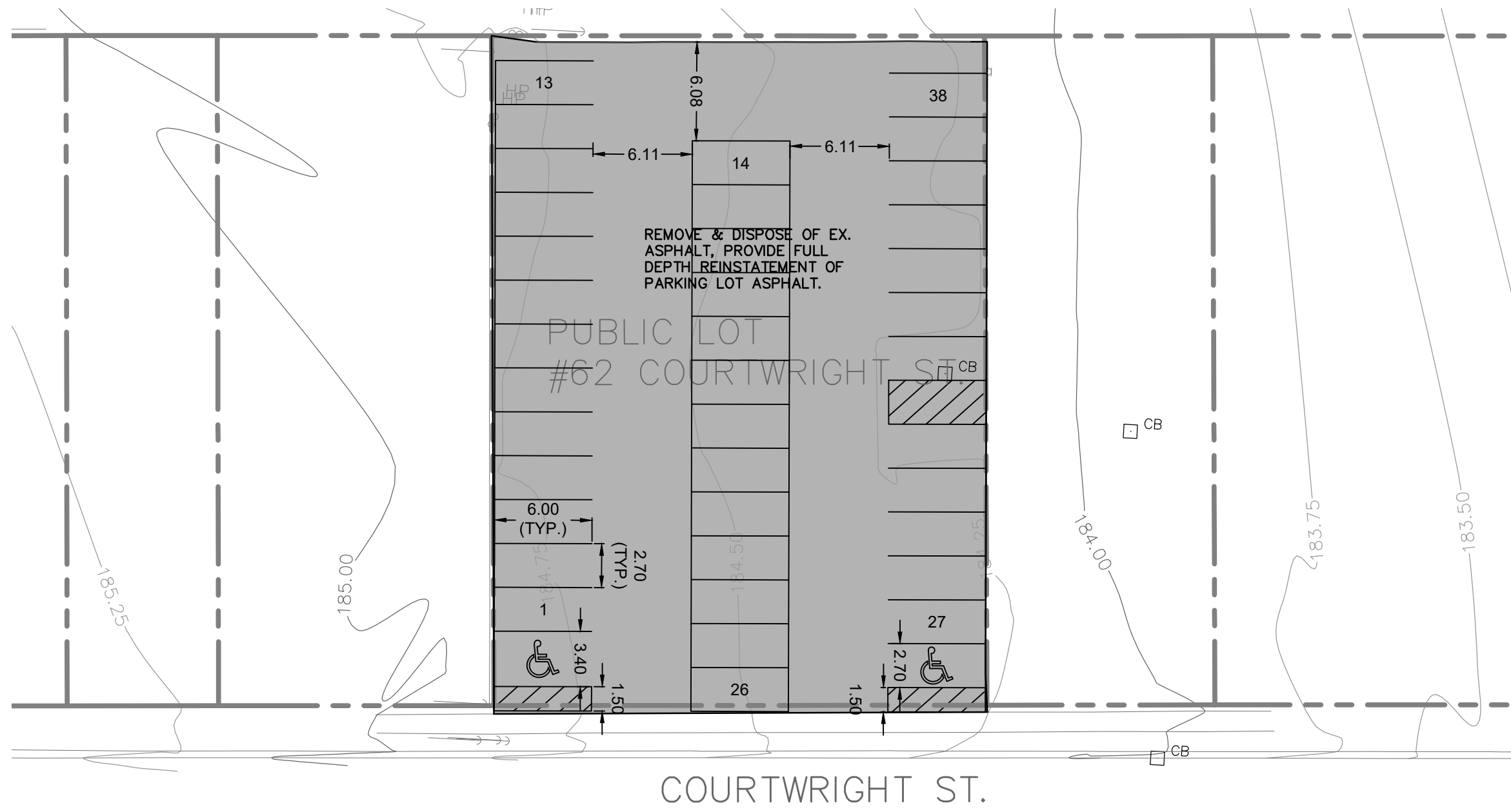
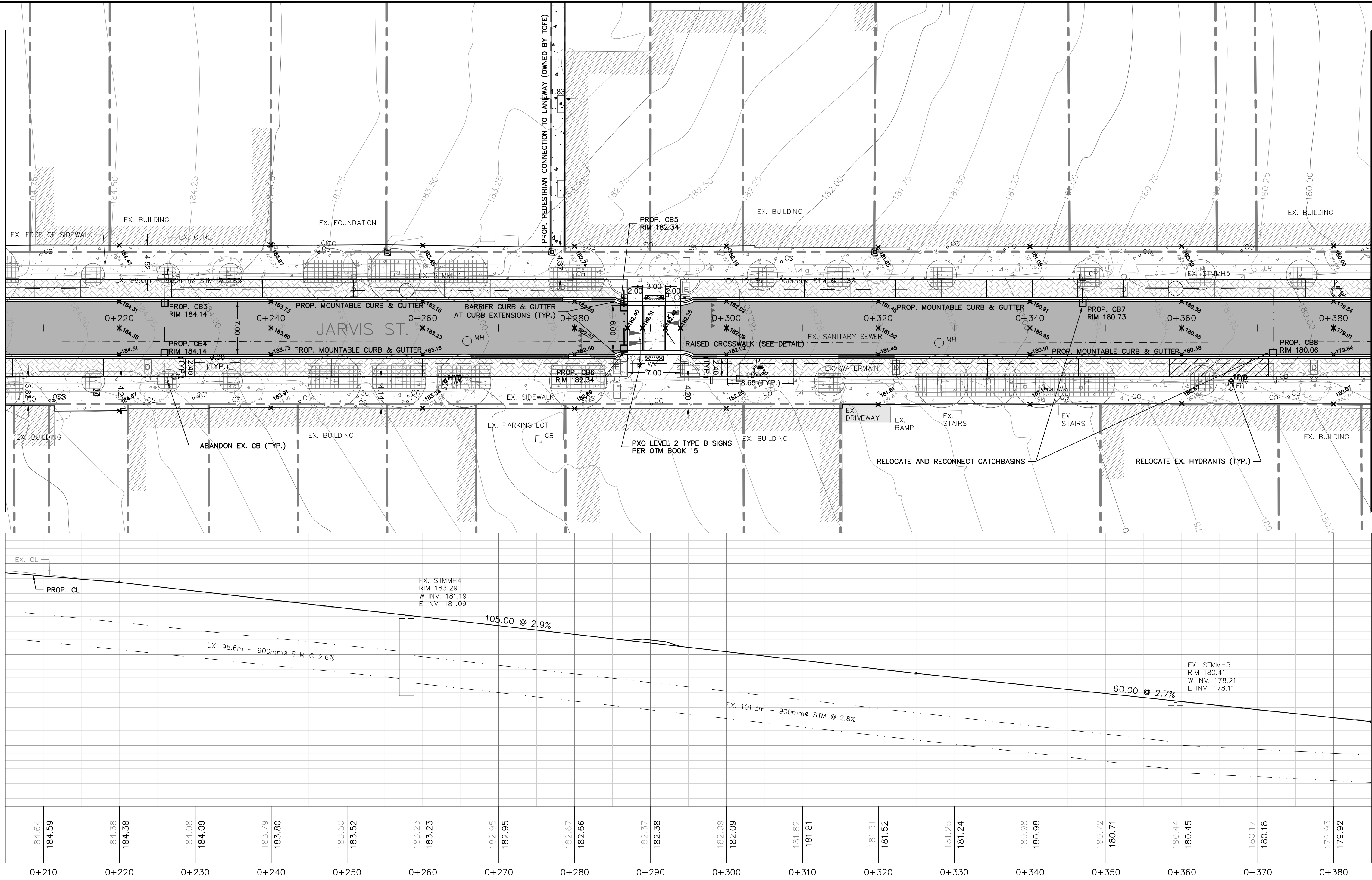
issue

0

drawing number

17279-01

MATCH LINE
AT STATION 0+205
SEE 17279.2-01



0	TENDER	05 APR 2022	NS
H	APPROVAL	04 JUN 2021	NS
G	90% DESIGN	03 MAR 2021	NS
F	REGION REVIEW	16 DEC 2020	NS
E	BIA REVIEW	02 NOV 2020	NS
D	REVIEW	27 OCT 2020	NS
C	REVIEW	22 JUN 2020	NS
B	REVIEW	31 MAR 2020	NS
A	FOR TOFE MEETING	09 MAR 2020	NS
Issue	Issued for	date	init.

Seal



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project title

JARVIS STREET ROAD
RECONSTRUCTION AND
STREETSCAPING

FORT ERIE

drawing title

STA 0+205 TO 0+385

drawn by

NS

designed by

NS/EF

scale

1:300

date

05 FEB 2020

job number

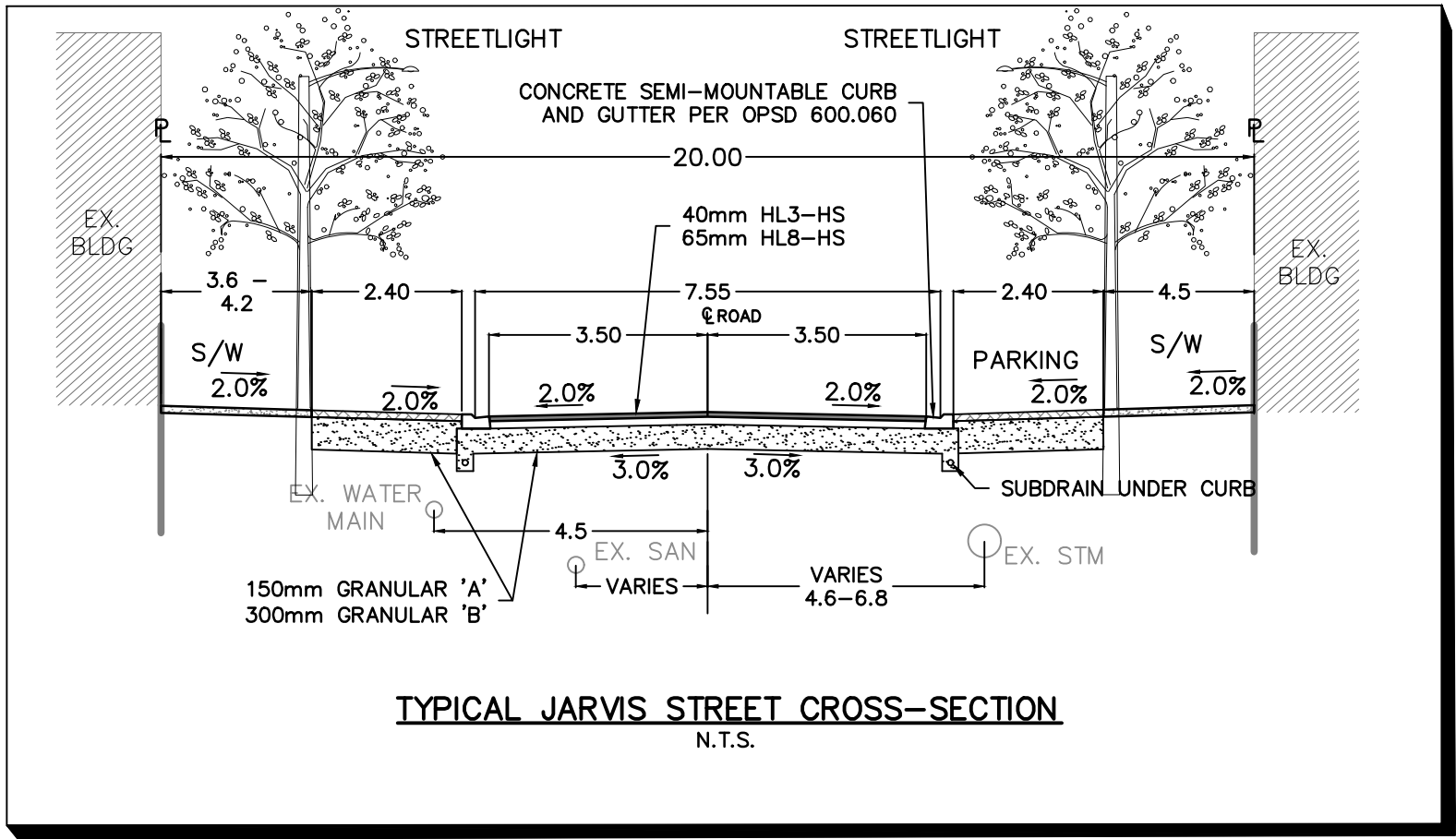
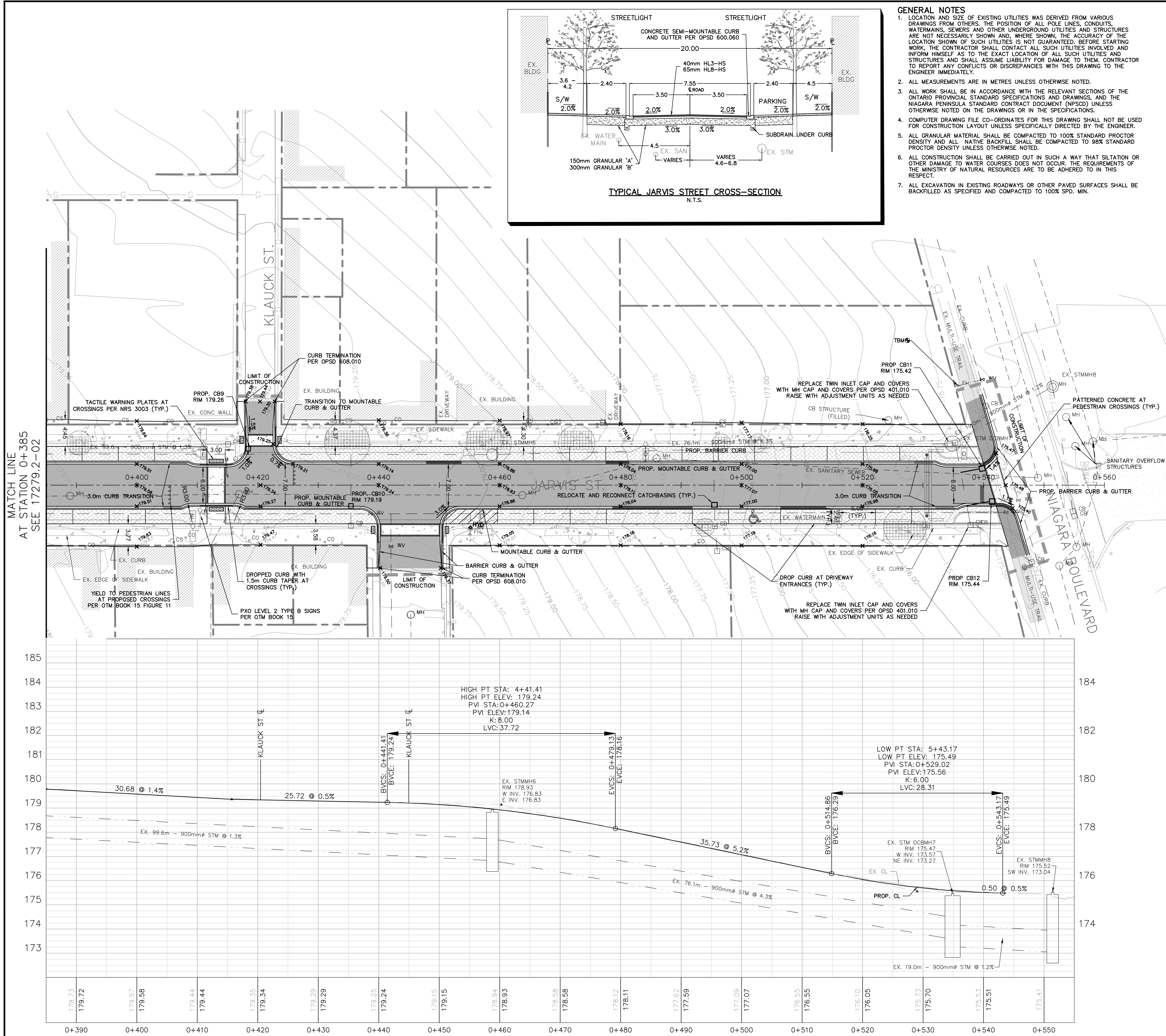
17279

issue

0

drawing number

17279-02



- GENERAL NOTES**
1. LOCATION AND SIZE OF EXISTING UTILITIES WAS DERIVED FROM VARIOUS DRAWINGS FROM OTHERS. THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN AND, WHERE SHOWN, THE ACCURACY OF THE LOCATION SHOWN OF SUCH UTILITIES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL CONTACT ALL SUCH UTILITIES INVOLVED AND INFORM HIMSELF AS TO THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME LIABILITY FOR DAMAGE TO THEM. CONTRACTOR TO REPORT ANY CONFLICTS OR DISCREPANCIES WITH THIS DRAWING TO THE ENGINEER IMMEDIATELY.
 2. ALL MEASUREMENTS ARE IN METRES UNLESS OTHERWISE NOTED.
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE RELEVANT SECTIONS OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS, AND THE NIAGARA PENINSULA STANDARD CONTRACT DOCUMENT (NPSCD) UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
 4. COMPUTER DRAWING FILE CO-ORDINATES FOR THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION LAYOUT UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
 5. ALL GRANULAR MATERIAL SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY AND ALL NATIVE BACKFILL SHALL BE COMPACTED TO 98% STANDARD PROCTOR DENSITY UNLESS OTHERWISE NOTED.
 6. ALL CONSTRUCTION SHALL BE CARRIED OUT IN SUCH A WAY THAT SILTATION OR OTHER DAMAGE TO WATER COURSES DOES NOT OCCUR. THE REQUIREMENTS OF THE MINISTRY OF NATURAL RESOURCES ARE TO BE ADHERED TO IN THIS RESPECT.
 7. ALL EXCAVATION IN EXISTING ROADWAYS OR OTHER PAVED SURFACES SHALL BE BACKFILLED AS SPECIFIED AND COMPACTED TO 100% SPD, MIN.

- ROADS AND EARTHWORKS**
8. FILL FOR ROADWAY AND PARKING AREAS TO BE CONSTRUCTED IN ACCORDANCE WITH OPSS 501 IN 200mm THICK LIFTS, USING SUITABLE NATIVE EXCAVATED OR IMPORTED MATERIAL APPROVED BY CONTRACT ADMINISTRATOR AND GEOTECHNICAL ENGINEER. THE SUBSOIL BELOW ANY ROADWAY OR PARKING AREA SHALL BE PROOF ROLLED AND INSPECTED BY THE GEOTECHNICAL ENGINEER OR HIS DESIGNATE PRIOR TO THE PLACEMENT OF ANY GRANULAR MATERIAL. THE UPPER 0.6m BELOW ANY RIGID OR PAVED SURFACE SHALL BE COMPACTED TO 98% SPD MIN.
 9. ROADWAY SHALL ADHERE TO TOWN STANDARDS OR AS RECOMMENDED BY GEOTECHNICAL ENGINEER, WHICHEVER IS GREATER. ROADWAY PER OPSS 310 & 314 AND NPSCD SPC-B14 AS FOLLOWS:

	JARVIS STREET	CENTRAL AVENUE
SURFACE COURSE	40mm HL3-HS	50mm HL3
BINDER COURSE	65mm HL8-HS	120mm HL8 (2 LIFTS)
GRANULAR BASE	150mm GRAN. 'A'	150mm GRAN. 'A'
	300mm GRAN. 'B'	300mm GRAN. 'B'
TOTAL THICKNESS	555mm	620mm
 10. CB LEADS INSTALLED BY OPEN-CUT METHOD TO HAVE FULL GRANULAR BACKFILL AND 100mm HL8HS BASE COURSE ASPHALT.
 11. PAVEMENT REINSTATEMENT SHALL COMPLY WITH OPSS 509.010 & OPSS 310. SERVICE TRENCHES TO BE SAWCUT SQUARE PRIOR TO PAVING OPERATION.
 12. SIDEWALKS SHALL BE 150mm THICK IN RESIDENTIAL DRIVEWAY SECTIONS, 200mm THICK IN COMMERCIAL OR INSTITUTIONAL DRIVEWAY SECTIONS AND 125mm ALL OTHER AREAS. SIDEWALKS SHALL CONFORM TO OPSS-310.020/050 AND OPSS-351. CURB DEPRESSIONS TO CONFORM TO OPSS-600.040 AND OPSS 353.
 13. WHERE DISTURBED OR DAMAGED, ASPHALT DRIVEWAYS TO BE REINSTATED UP TO STREETLINE WITH 50mm HL3 SURFACE COURSE AND MIN. 200mm GRANULAR 'A' BASE COMPACTED TO 100% SPD, OR DEPTH TO MATCH EXISTING, WHICHEVER IS GREATER.
 14. WHERE DISTURBED OR DAMAGED, CONCRETE DRIVEWAYS TO BE REINSTATED UP TO STREETLINE OR NEAREST SAWCUT IF DEEMED SUITABLE BY CONTRACT ADMINISTRATOR. MIN. 200mm THICK, 35 MPa CONCRETE, WITH 150mm GRANULAR 'A' BASE COMPACTED TO 100% SPD.
 15. ON-STREET PARKING AREAS SHALL BE COLOURED PATTERNED CONCRETE. CONCRETE COLOURED AND PATTERNED PARKING AREAS SHALL BE A MINIMUM THICKNESS OF 200mm. THE CONCRETE SHALL HAVE A BROOM FINISH AND BE SAWCUT TO A DEPTH OF 31mm AT 1.8m SPACING BETWEEN CUTS.

	19mm NOMINAL MAX. SIZE
COURSE AGGREGATE	7.0% ± 1.5% MEASURED PRIOR TO PLACEMENT
AIR CONTENT	70mm ±20mm
MAXIMUM SLUMP	#9 WIRE MESH
REINFORCEMENT	

EXPANSION JOINTS SHALL BE USED BETWEEN STAGED CONCRETE POURS AND AGAINST ALL RIGID SURFACES.

CONCRETE SHALL CONFORM TO THE FOLLOWING CONCRETE COLOUR PIGMENTS BY DAVIS COLORS (WWW.DAVISCOLORS.COM), OR AN APPROVED EQUIVALENT:
160 - BRICK RED

A COAT OF SEAL-CURE SEALANT SHALL BE APPLIED TO THE COLOURED CONCRETE COLOURED AND PATTERNED 7 DAYS AFTER CONCRETE IS POURED, AND AN ADDITIONAL COAT SHALL BE APPLIED AFTER 28 DAYS

THE QUANTITY OF COLOURED MATERIAL TO BE ADDED TO THE CONCRETE MIX SHALL BE AS RECOMMENDED BY THE MANUFACTURER AND AS APPROVED BY THE CONTRACT ADMINISTRATOR. CONCRETE COLOUR SAMPLES SHALL BE SUPPLIED TO THE CONTRACT ADMINISTRATOR FOR APPROVAL PRIOR TO INSTALLATION.

PATTERN FOR CONCRETE PARKING AREAS SHALL BE HERRINGBONE USED BRICK - TOOL FM-5050 BY BRICKFORM OR APPROVED EQUAL.

EROSION AND SEDIMENT CONTROL

16. CONTRACTOR TO INSTALL, INSPECT, AND MAINTAIN TERRAFIX SILTSACK® (OR APPROVED EQUIVALENT) UNDER EACH EXISTING AND PROPOSED CATCHBASIN RIM UNTIL 500 PLACEMENT IS COMPLETE. EACH CATCHBASIN LOCATION SHOULD BE INSPECTED AFTER EVERY SIGNIFICANT STORM EVENT (10mm DEPTH OR GREATER) AND SEDIMENT REMOVED AFTER 50% FULL.

TEMPORARY BENCHMARK INFORMATION

TOP OF TOP-NUT OF THE HYDRANT AT THE NORTHWEST CORNER OF JARVIS STREET & CENTRAL BOULEVARD.

ELEVATION = 176.584
UTM (NAD 83, ZONE 17)
N: 4,755,151.546m E: 670,206.227m

LEGEND

- PROPERTY LINE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING GROUND CONTOUR
- EXISTING FENCE
- EXISTING BELL
- EXISTING GAS
- PROPOSED CONCRETE CURB
- PROPOSED SIDEWALK
- PROPOSED PATTERNED CONCRETE
- EXISTING ASPHALT
- PROPOSED ASPHALT
- EXISTING TREES SITE
- BENCHMARK
- HYD
- PROPOSED HYDRANT
- EXISTING MAINTENANCE HOLE
- PROPOSED MAINTENANCE HOLE
- CB
- EXISTING CATCHBASIN
- PROPOSED CATCHBASIN
- PROPOSED GROUND ELEVATION
- EXISTING GROUND ELEVATION

0 TENDER 05 APR 2022 NS

1 ARCH RELOCATION 24 SEP 2021 NS

H APPROVAL 04 JUN 2021 NS

G 90% DESIGN 03 MAR 2021 NS

F REGION REVIEW 16 DEC 2020 NS

E BIA REVIEW 02 NOV 2020 NS

D REVIEW 27 OCT 2020 NS

C REVIEW 22 JUN 2020 NS

B REVIEW 31 MAR 2020 NS

A FOR TOE MEETING 09 MAR 2020 NS

Issue issued for date init.

seal

LICENCED PROFESSIONAL ENGINEER
E.L. FLORA
90334129
04/26/22
PROVINCE OF ONTARIO

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Quartek

Architects Planners Engineers Project Managers

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project title

JARVIS STREET ROAD RECONSTRUCTION AND STREETSCAPING

FORT ERIE

drawing title

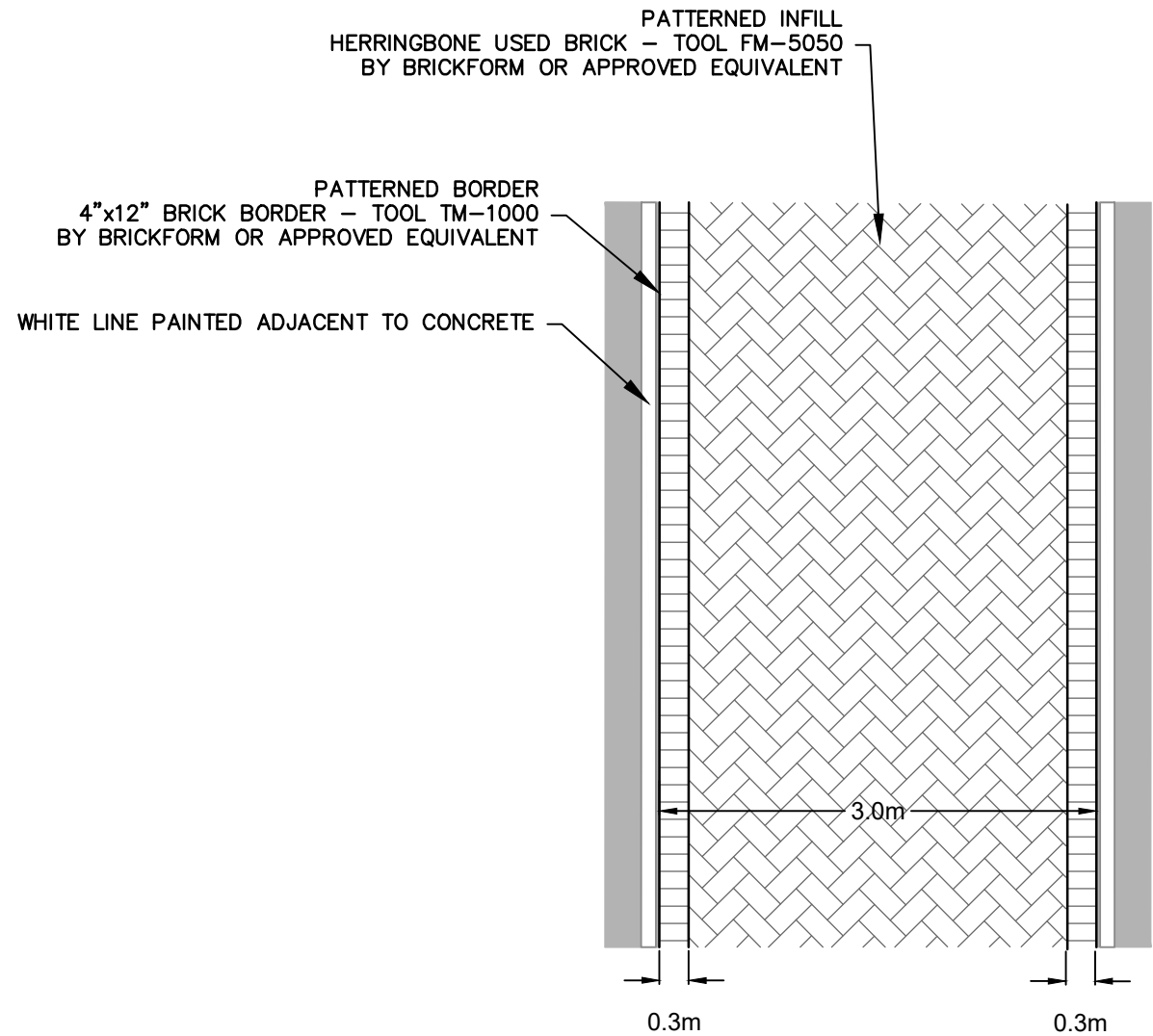
STA 0+385 TO 0+560

drawn by NS designed by NS/EF

scale 1:300 date 05 FEB 2020

job number 17279 issue 0

drawing number 17279-03



PATTERNED CROSSWALK DETAIL AND NOTES
N.T.S.

CONCRETE CROSSWALK PAVING

CONCRETE COLOURED AND PATTERNED CROSSWALKS SHALL BE A MINIMUM THICKNESS OF 200mm. THE CONCRETE SHALL HAVE A BROOM FINISH AND BE SAWCUT TO A DEPTH OF 31mm AT 1.8m SPACING BETWEEN CUTS.

CLASS OF CONCRETE HE (HIGH EARLY STRENGTH CEMENTING MATERIAL) WITH COMPRESSIVE STRENGTH OF 30 MPA AT 28 DAYS.

COURSE AGGREGATE 19mm NOMINAL MAX. SIZE
AIR CONTENT 7.0% ± 1.5% MEASURED PRIOR TO PLACEMENT
MAXIMUM SLUMP 70mm ±20mm
REINFORCEMENT #9 WIRE MESH

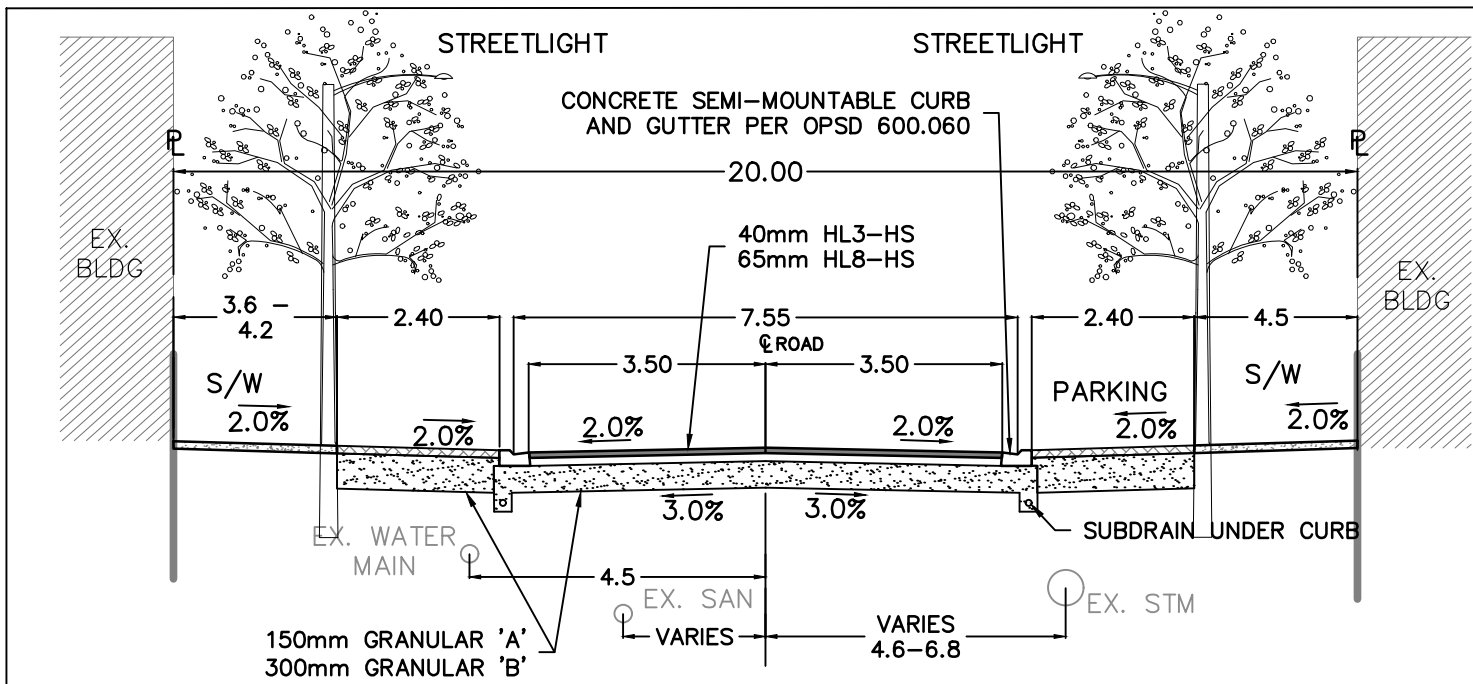
EXPANSION JOINTS SHALL BE USED BETWEEN STAGED CONCRETE POURS AND AGAINST ALL RIGID SURFACES.

COLOURED CONCRETE SHALL CONFORM TO THE FOLLOWING COLOUR TECH SYNTHETIC OXIDE PIGMENTS BY QC CONSTRUCTION PRODUCTS CANADA (WWW.QCCANADA.CA), OR AN APPROVED EQUIVALENT:
SALSA RED - 4LBS CC16

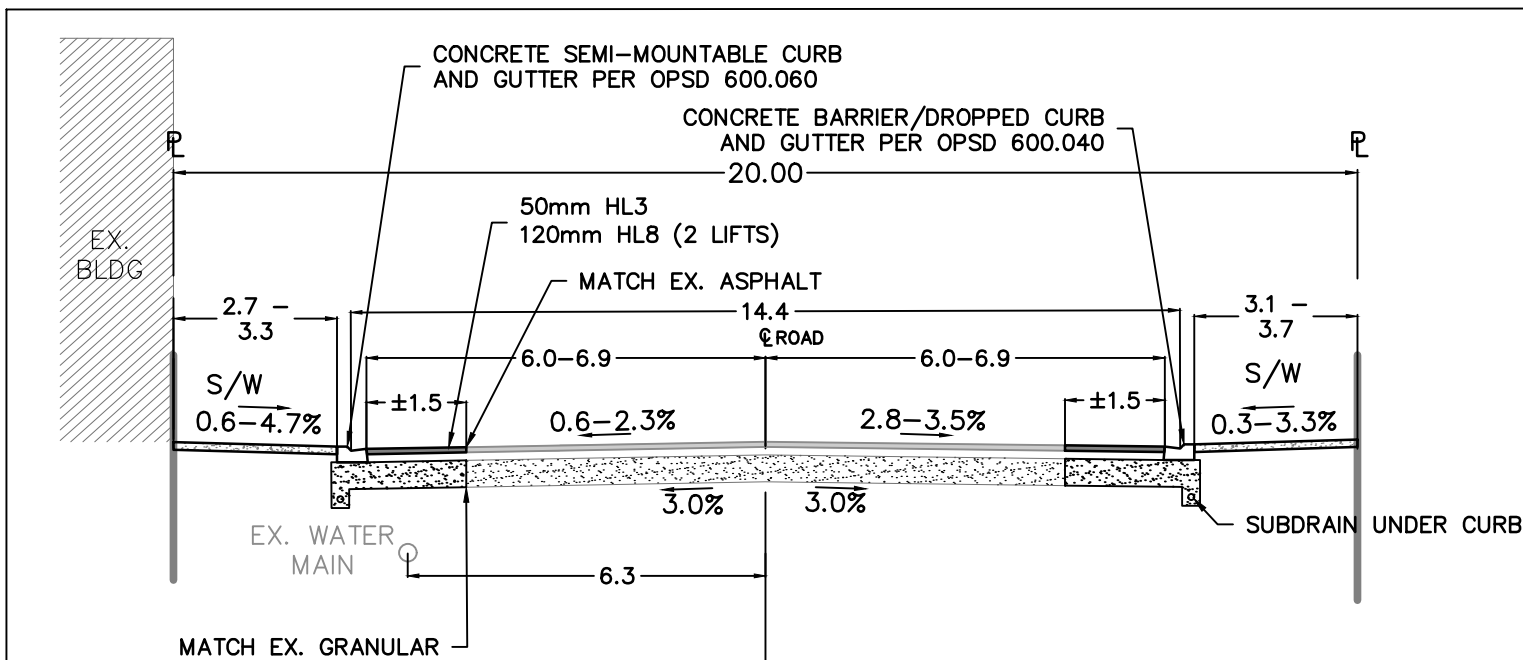
A COAT OF SEAL-CURE SEALANT SHALL BE APPLIED TO THE COLOURED CONCRETE AS PER MANUFACTURER'S SPECIFICATIONS 7 DAYS AFTER CONCRETE IS POURED, AND AN ADDITIONAL COAT SHALL BE APPLIED AFTER 28 DAYS.

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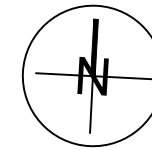
PATTERN FOR CONCRETE CROSSWALKS SHALL BE:
BORDER: 4"x12" BRICK BORDER - TOOL TM-1000 BY BRICKFORM OR APPROVED EQUAL
INFILL: HERRINGBONE USED BRICK - TOOL FM-5050 BY BRICKFORM OR APPROVED EQUAL



TYPICAL JARVIS STREET CROSS-SECTION
N.T.S.



TYPICAL CENTRAL AVENUE CROSS-SECTION
N.T.S.



0 - TENDER	05 APR 2022	NS
C - APPROVAL	16 JUL 2021	NS
B - APPROVAL	10 JUN 2021	NS
A - REGION REVIEW	16 DEC 2020	NS
Issue	issued for	date
		init.

seal



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project title

**JARVIS STREET ROAD
RECONSTRUCTION AND
STREETSCAPING**
FORT ERIE

drawing title

DETAILS

drawn by

NS

designed by

NS/EF

scale

AS NOTED

date

05 FEB 2020

job number

17279

issue

0

drawing number

17279-D