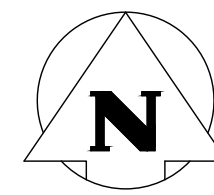




DUKE STREET RECONSTRUCTION

DRYDEN, ONTARIO



SHEET INDEX – MUNICIPAL

C00.00	COVER SHEET AND KEY PLAN
C01.01	CIVIL DETAILS
C01.02	CIVIL DETAILS
C01.03	CIVIL DETAILS
C02.00	DEMOLITION PLAN AND PROFILE STA 3+000 TO STA 3+280
C02.01	DEMOLITION PLAN AND PROFILE STA 3+280 TO STA 3+560
C02.02	DEMOLITION PLAN AND PROFILE STA 3+560 TO STA 3+671
C03.00	PLAN AND PROFILE STA 3+000 TO STA 3+280
C03.01	PLAN AND PROFILE STA 3+280 TO STA 3+560
C03.02	PLAN AND PROFILE STA 3+560 TO STA 3+671
C04.00	LINE PAINTING



KEY PLAN
1:2000

KGS
GROUP

C00.00
REV 0

Filename: \\gvs-aler-datal\Projects\2025\25-1512-001\DWG\Mun\25-1512-001_CALL - Tab C01.00 Plotted By: Mfickolo 26/01/26 [Mon 10:00am]
24"x36" PLOT SCALE: 1:1

CONSTRUCTION NOTES:

1. GENERAL

- 1.1. DRAWINGS ARE NOT TO BE SCALED.
- 1.2. MAINTAIN PEDESTRIAN ACCESS TO AND FROM BUILDINGS AT ALL TIMES.
- 1.3. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS & OTHER OVERGROUND & UNDERGROUND UTILITIES & STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, & WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES & STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL UTILITIES & STRUCTURES, & SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
- 1.4. WHERE EXISTING OVERHEAD POLE LINES ARE ADJACENT TO THE EXCAVATION, TEMPORARILY SUPPORT THEM TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR AND THE UTILITY COMPANY CONCERNED.
- 1.5. SUPPORT EXISTING PIPES, DUCTS, OR OTHER UNDERGROUND SERVICES THAT INTERSECT THE PIPE TRENCH, OR SUPPORT THE PIPE TRENCH IN A MANNER ACCEPTABLE TO THE CONTRACT ADMINISTRATOR AND THE UTILITY COMPANY.
- 1.6. UNLESS OTHERWISE NOTED, ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT EDITION OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATION.
- 1.7. NATIVE SITE SOILS ARE CONSIDERED TYPE 3 SOILS AS PER OCCUPATIONAL HEALTH & SAFETY ACT. HOWEVER, WHERE SEEPAGE OCCURS AND/OR IF THE SOILS ARE BELOW THE WATER TABLE, THEN TYPE 4 SOIL CONDITIONS APPLY.
- 1.8. RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OR REPRESENTATIVE. LANDSCAPED AREAS TO RECEIVE A MINIMUM 100mm TOPSOIL & SEED UNLESS OTHERWISE NOTED.
- 1.9. REINSTATEMENT OF ROADWAY, CURB & GUTTER AND SIDEWALKS TO BE COMPLETED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. CURB & GUTTER RADII AT INTERSECTIONS WITH SIDE STREETS TO MATCH EXISTING UNLESS OTHERWISE NOTED.
- 1.10. PROTECT PROPERTY BARS DURING CONSTRUCTION. ENGAGE SERVICE OF AN O.L.S TO REPLACE DAMAGED OR REMOVED BARS.
- 1.11. CARRY OUT DEWATERING TO OPSS.MUNI.517 TO MAINTAIN ALL TRENCHES IN A DRY CONDITION. OBTAIN M.E.C.P PERMIT IF REQUIRED.
- 1.12. GRANULAR MATERIAL TO BE IN ACCORDANCE TO OPSS.MUNI.1010.
- 1.13. CONTRACTOR TO ENSURE TREES ARE PROTECTED AND ARE NOT DAMAGED DURING CONSTRUCTION.
- 1.14. CONTRACTOR TO PROVIDE TEMPORARY DEWATERING AS REQUIRED TO ENSURE PIPE BEDDING ZONE IS KEPT FREE OF WATER.
- 1.15. MANAGE EXCESS SOILS IN ACCORDANCE WITH OPSS.MUNI 180 AND O.REG 406/19. CONTRACTOR IS RESPONSIBLE TO COMPLETE ALL TESTING.
- 1.16. ALL PAVEMENT MARKINGS SHALL BE COMPLETED AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH THE ONTARIO TRAFFIC MANUAL FOR MARKINGS AND DELINEATION (BOOK 11).

2. ROADWORKS

- 2.1. NATIVE SUB-GRADE TO BE GRADED, COMPACTED AND PROOF-ROLLED PRIOR TO PLACEMENT OF GRANULARS. COMPACTION TO BE MINIMUM 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD). ALL IDENTIFIED SOFT AND WEAK SPOTS SHALL BE EXCAVATED AND BACKFILLED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- 2.2. THE GRANULAR BASE SHALL BE LAID ON DRY, SMOOTH, PROPERLY GRADED SUB-GRADE, AND SHALL BE SPREAD FOR THE REQUIRED WIDTH TO MEET THE EDGE OF SUB-GRADE CONFORMING TO OPSS.MUNI 1010.
- 2.3. THE GRANULAR MATERIAL SHALL BE THOROUGHLY COMPACTED TO 98% SPMDD.
- 2.4. NO GRANULAR BASE SHALL BE PLACED UNTIL THE GRADE ON WHICH IT IS TO BE LAID HAS BEEN INSPECTED AND APPROVED BY THE CONTRACT ADMINISTRATOR.
- 2.5. UNLESS OTHERWISE NOTED, RECONSTRUCTION TO EXTEND 10m FROM DUKE STREET C/L AT ALL INTERSECTIONS WITH SIDE STREETS. GRADE TO MATCH EX. PAVEMENT C/W LAP JOINT AS PER DETAIL ON DWG C01.00
- 2.6. NEW CONCRETE DRIVEWAY APPROACHES TO BE INSTALLED AT ALL EXISTING ENTRANCES/DRIVEWAYS. NEW CONCRETE DRIVEWAY APPROACHES TO EXTEND FROM CURB TO NEW CONCRETE SIDEWALK AND TO MATCH WIDTH OF CURB CUT.
- 2.7. ALL STREET SIGNS DAMAGED/REMOVED DUE TO CONSTRUCTION TO BE REPLACED/REINSTALLED UPON COMPLETION OF WORKS AT EXISTING LOCATION.
- 2.8. CONTRACTOR TO MAINTAIN TRAFFIC CONTROL MEASURES AT ALL TIMES FOR WORKS ON EXISTING ROADWAYS TO THE SATISFACTION OF THE CITY AND/OR CONTRACT ADMINISTRATOR. THE EXPENSE OF THE ERECTION, MAINTENANCE AND REMOVAL OF ALL SIGNS, DELINEATORS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE AT THE FULL EXPENSE OF THE CONTRACTOR.

3. SIDEWALKS

- 3.1. ALL EXISTING SIDEWALKS WITHIN CONSTRUCTION LIMITS TO BE REMOVED UNLESS OTHERWISE DIRECTED BY THE CONTACT ADMINISTRATOR.
- 3.2. AREAS IDENTIFIED FOR FULL REPLACEMENT OF SIDEWALK ARE TO BE CONCRETE CONSTRUCTION, SET TO MATCH EXISTING GRADES ALONG BACKSIDE EDGE (PRIVATE PROPERTY SIDE) OF EXISTING SIDEWALK.
- 3.3. PARTIAL REPLACEMENT OF ANY SECTION OF SIDEWALK, LOCATED ALONG SIDE STREETS, TO BE CONSTRUCTED TO MATCH EXISTING SIDEWALK MATERIAL, LINES, GRADES AND DIMENSIONS.
- 3.4. FULL OR PARTIAL REPLACEMENT SECTIONS TO INCLUDE THE RECONSTRUCTION OF ALL EXISTING OR REQUIRED SIDEWALK DROPS AT INTERSECTIONS, DRIVEWAY OR LANEWAY ENTRANCES AS PER APPLICABLE OPSD.
- 3.5. REPLACEMENT SIDEWALKS TO INCLUDE PREPARATION OF SUB-GRADE AND NEW BASE MATERIAL AS INDICATED IN THE CONTRACT DOCUMENTS.
- 3.6. TACTILE WALKING SURFACE INDICATOR COMPONENTS TO BE INSTALLED IN NEW CONCRETE SIDEWALKS AT ALL INTERSECTIONS AS PER OPSD 310.030 AND OPSD 310.039 OR WHERE OTHERWISE IDENTIFIED.

4. CURB & GUTTER

- 4.1. NEW CONCRETE CURB AND GUTTER TO BE IN COMPLETED IN ACCORDANCE WITH OPSS.MUNI 353 AND THE OPSD 600.040. WORK TO INCLUDE THE RECONSTRUCTION OF EXISTING OR REQUIRED DROP CURBS AT INTERSECTIONS, DRIVEWAY OR LANEWAY ENTRANCES. DRIVEWAY & LANEWAY DROP CURBS TO MATCH EXISTING LOCATION & WIDTH UNLESS OTHERWISE DIRECTED.
- 4.2. SUPPLY & INSTALLATION OF NEW PERFORATED SUBDRAIN, IN ACCORDANCE TO OPSS.MUNI 405 AND OPSD 216.02, TO BE INCLUDED WITH NEW CONCRETE CURB AND GUTTER SECTIONS.
- 4.3. CONCRETE CURB & GUTTER AROUND FIXTURES AS PER COTB DWG R-115.

5. SEDIMENT & EROSION CONTROLS

- 5.1. ALL SEDIMENT & EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION & SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED. SEDIMENT & EROSION CONTROL MEASURES THAT ARE DESIGNED TO CONTROL RUNOFF FROM SPECIFIC AREAS MUST BE INSTALLED INSTALLED PRIOR TO ANY SITE DISTURBANCE.
- 5.2. THE CONTRACTOR SHALL HAVE MATERIALS AVAILABLE ON-SITE TO REPAIR SEDIMENT & EROSION CONTROL MEASURES IN THE EVENT OF UNFORESEEN CONDITIONS: HIGHWATER, EXTREME RAINFALL EVENTS, ETC.
- 5.3. NO MAINTENANCE OR REPAIR WORK ON CONSTRUCTION EQUIPMENT IS ALLOWED WITHIN 30m OF AN EXISTING WATERCOURSE OR DITCH.

6. STORM & SANITARY SEWER

- 6.1. CONFIRM ALL EXISTING INVERT ELEVATIONS AT CONNECTION POINTS PRIOR TO CONSTRUCTION.
- 6.2. IDENTIFICATION OF EXISTING PIPING MATERIAL NOTED ON THE CONTRACT DRAWINGS IS FOR GENERAL INFORMATION PURPOSE ONLY AND IS BASED UPON THE BEST INFORMATION AVAILABLE TO THE CITY OF DRYDEN AT THIS TIME. NO GUARANTEE OF MATERIAL TYPE, LOCATION OR EXTENT TO BE ENCOUNTERED DURING CONSTRUCTION IS IMPLIED.
- 6.3. CONTRACTOR TO COMPLETE ASBESTOS ABATEMENT ON ALL ASBESTOS CEMENT PIPING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AN ALL ONTARIO REGULATIONS HAVING JURISDICTIONS.
- 6.4. UNLESS DIRECTED OR APPROVED BY THE CONTRACT ADMINISTRATOR, ALL PIPING TO BE LAID TO THE LINES AND GRADES AS SHOWN ON THE CONTRACT DRAWINGS OR AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
- 6.5. ALL EXIST CATCHBASIN LEADS TO BE REMOVED AND REPLACED WITH Ø250 SDR35 PVC PIPE UNLESS OTHERWISE NOTED.
- 6.6. IF SITE CONDITIONS REQUIRE & APPROVED BY THE CONTRACT ADMINISTRATOR, CONNECTION OF CATCHBASIN LEAD DIRECTLY INTO STORM SEWER MAIN TO BE COMPLETED AS PER OPSD 708.030.
- 6.7. UNLESS OTHERWISE NOTED, CONTRACTOR TO RECONNECT ALL EXISTING INLET AND SUBDRAIN PIPING INTO NEW OR RESET STRUCTURES.
- 6.8. UNLESS OTHERWISE NOTED, A MINIMUM OF 75mm CLEARANCE IS REQUIRED BETWEEN OUTSIDE PIPE BARRELS AT ALL PIPE CROSSINGS.
- 6.9. PATCH REPAIRS TO INSIDE OF STRUCTURES TO BE COMPLETED USING TROWEL APPLIED EPOXY GROUT "SIKA ANCHOR FIX-3" OR APPROVED ALTERNATIVE. PREPARATION OF EXISTING SURFACE AND APPLICATION OF EPOXY GROUT TO BE COMPLETED AS PER MANUFACTURERS WRITTEN INSTRUCTIONS.
- 6.10. UNLESS OTHERWISE NOTED, ALL SANITARY SERVICES ARE TO BE REPLACED AND RECONNECTED AT PROPERTY LINE AS PER OPSD 1006.010.

7. RESTORATION

- 7.1. WHERE RESTORATION IS REQUIRED, THE CONTRACTOR SHALL COMPLETE RESTORATION WORK TO EQUIVALENT OR BETTER CONDITION THAN PRE-CONSTRUCTION CONDITIONS. RESTORATION ITEMS WILL BE COMPLETED TO THE FOLLOWING MINIMUM REQUIREMENTS:
 - I. GRASSED AREAS: 100MM TOPSOIL (AFTER COMPACTION) AND SEED AND MULCH.
 - II. ASPHALT AREAS (EXCLUDING ROADWAY): 150MM GRANULAR 'A' - 50MM HL4 C/W COAL TAR EPOXY SEAL IF EXISTING DRIVEWAY IS SEALED.
 - III. ROADWAY: MATCH EXISTING.
 - IV. CONCRETE AREAS: MATCH EXISTING.
 - V. GRANULAR AREAS: 150MM GRANULAR 'A' AND 500MM GRANULAR 'B'.
- 7.2. AREAS THAT HAVE MATERIALS OTHER THEN HAVE BEEN NOTED WILL BE RESTORED TO MATCH EXISTING CONDITIONS.
- 7.3. RESTORATION TO MATCH EXISTING LINES, GRADES AND LIMITS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

I.D.	STATION	T/O GRATE	OPSD
CB#1	3+051.97	372.44m	705.010
CBMH#1	3+060.05	372.58m	701.011
CB#2	3+129.26	373.92m	705.010
CBMH#2	3+130.79	373.90m	701.011
CBMH#3	3+158.35	373.84m	701.011
CB#3	3+161.93	373.82m	705.010
CB#4	3+181.60	373.68m	705.010
CB#5	3+194.20	373.74m	705.010
CB#6	3+198.70	373.91m	705.010
CBMH#4	3+199.30	373.85m	701.011
CBMH#5	3+280.40	375.27m	701.011
CB#7	3+282.90	375.34m	705.010
CB#8	3+374.10	378.19m	705.010
CBMH#6	3+379.65	373.85m	701.010
CBMH#7	3+435.30	379.42m	701.010
CB#9	3+436.00	379.40m	705.010
CBMH#8	3+519.50	379.97m	701.010
CB#10	3+521.70	380.00m	705.010
CBMH#9	3+587.6	380.06m	701.010
CB#11	3+639.0	379.54m	705.010
MH#1	3+642.50	379.57m	701.010

* CONCRETE CURB & GUTTER AROUND FIXTURES AS PER COTB DWG R-115

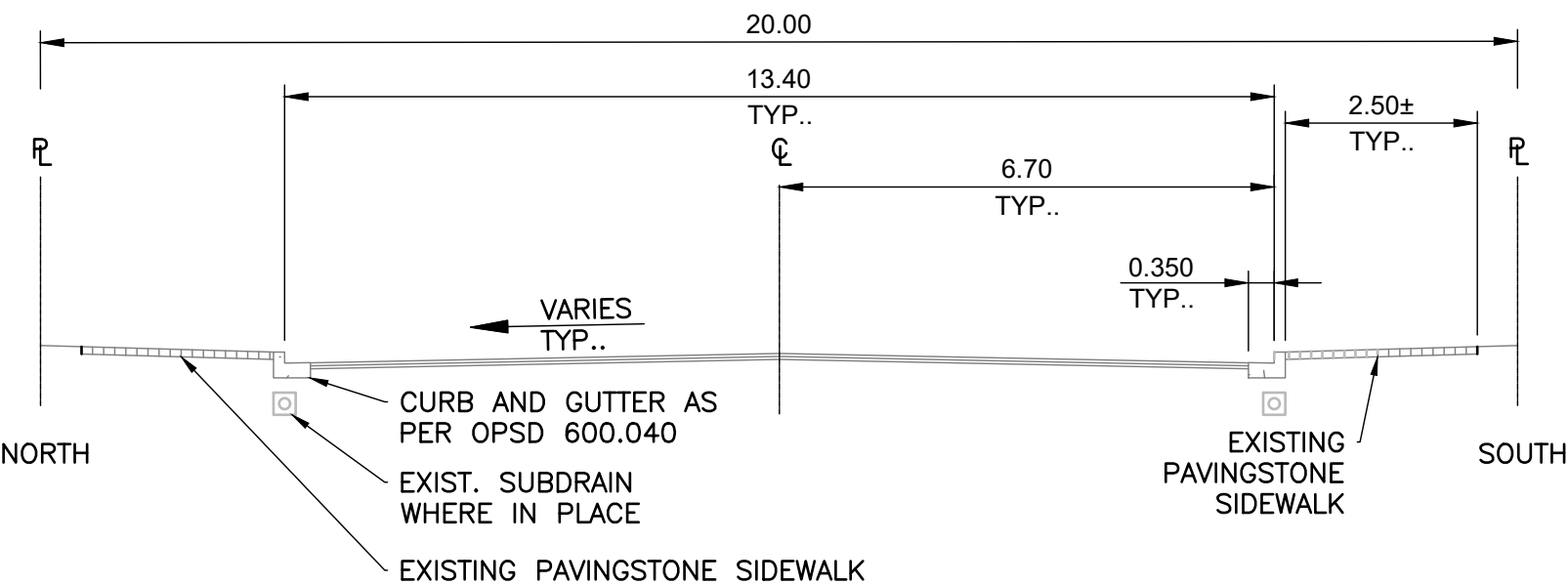
NEW STORM MH STRUCTURE INFORMATION CHART

I.D.	STATION	T/O GRATE	OPSD
SAN #1	3+175.00	374.01m	701.010
SAN #2	3+188.60	374.05m	701.011
SAN #3	3+275.74	375.40m	701.010
SAN #4	3+382.00	378.51m	701.010
SAN #5	3+485.00	380.01m	701.010
SAN #6	3+511.99	379.93m	701.011
SAN #7	3+516.24	380.19m	701.010
SAN #8	3+649.52	379.66m	701.010

NEW SANITARY MH STRUCTURE INFORMATION CHART

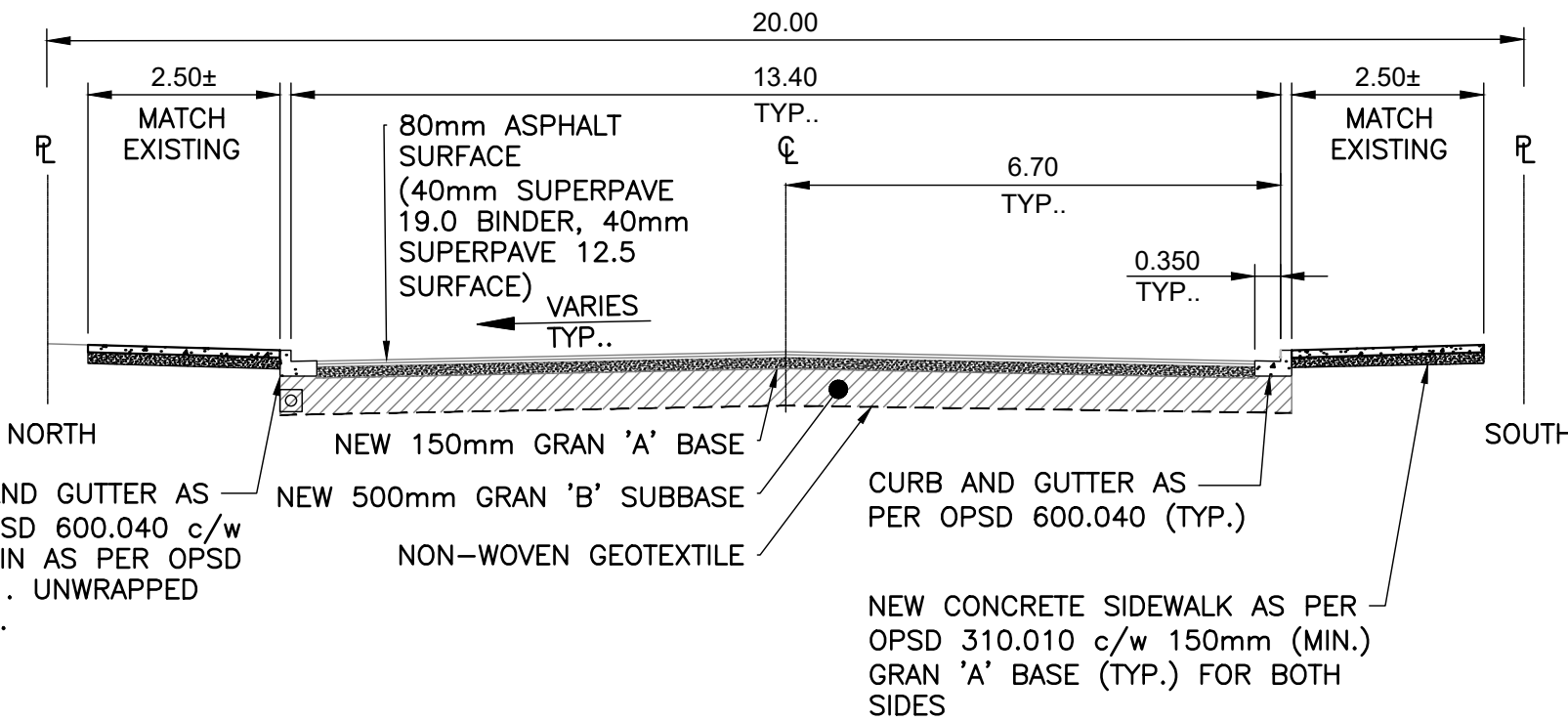
8. WATERMAIN

- 8.1. THE CONTRACTOR SHALL PROVIDE, MAINTAIN & REMOVE TEMPORARY POTABLE WATER SERVICES TO HOUSES AND BUSINESSES THAT ARE DISCONNECTED OR ISOLATED FROM THE WATERMAIN DURING THE WATERMAIN CONSTRUCTION; THE TEMPORARY WATER CONNECTIONS SHALL CONFORM TO OPSS.MUNI.493 AND BE PROVIDED FOR ANY HOUSES/BUSINESSES THAT WILL EXPERIENCE A LOSS OF WATER SUPPLY FOR DURATION OF 8 HOURS OR LONGER.
- 8.2. FOR DURATION OF LESS THAN 8 HOURS, THE CONTRACTOR SHALL SCHEDULE AND NOTIFY THE AFFECTED PROPERTIES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IF THERE ARE EXTREME CIRCUMSTANCES THAT WILL NOT TOLERATE A WATER SHUT-DOWN, THEN A TEMPORARY CONNECTION SHALL BE PROVIDED.
- 8.3. MINIMUM COVER ON WATERMAINS IS 2.4m UNLESS INSULATED TO THE SATISFACTION OF CITY OR REPRESENTATIVE, WITH A MINIMUM HORIZONTAL SPACING OF 2.5m FROM THEMSELVES AND SEWERS.
- 8.4. WHERE WATER & SANITARY LINES CROSS, WATERMAIN TO BE LOCATED ABOVE SANITARY WITH A MIN. OF 500mm SEPARATION BETWEEN SANITARY SEWER OBVERT AND WATERMAIN INVERT. WHERE SEPARATION CANNOT BE OBTAINED; CONSTRUCT WATERMAIN LOWERING TO CITY OF THUNDER BAY STANDARDS DWG W-114.
- 8.5. WHERE WATER AND STORM LINES CROSS, REFER TO CITY OF THUNDER BAY STANDARDS DWG W-115.
- 8.6. UNLESS OTHERWISE NOTED, ALL WATER SERVICES ARE TO BE REPLACED AND RECONNECTED AT PROPERTY LINE WITH NEW CURB STOP C/W BOX & COVER AS PER COTB W-104-1.



EXISTING TYPICAL ROAD CROSS SECTION

SCALE: 1:100



NEW TYPICAL ROAD CROSS SECTION

SCALE: 1:100

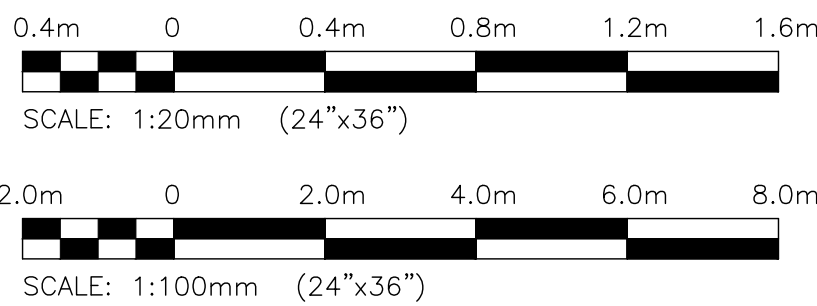
WORKING PT#1	-	STA. 3+000	NORTHING = 5 514 413.959 EASTING = 511 414.100
WORKING PT#2	-	STA. 3+033	NORTHING = 5 514 413.932 EASTING = 511 447.747
WORKING PT#3	-	STA. 3+044	NORTHING = 5 514 411.673 EASTING = 511 458.041
WORKING PT#4	-	STA. 3+054	NORTHING = 5 514 410.798 EASTING = 511 468.675
WORKING PT#5	-	STA. 3+660	NORTHING = 5 514 413.097 EASTING = 512 073.807
WORKING PT#6	-	STA. 3+660	NORTHING = 5 514 413.097 EASTING = 512 073.807
WORKING PT#7	-	STA. 3+680	NORTHING = 5 514 413.142 EASTING = 512 093.804

ALIGNMENT INFORMATION

SCALE: N.T.S.

BM#1	-	TOP NUT OF FIRE HYDRANT ON THE SE CORNER OF EARL AVENUE AND DUKE STREET. ELEVATION = 373.385m NORTHING = 5 514 403.553 EASTING = 511 470.619
BM#2	-	TOP NUT OF FIRE HYDRANT ON THE SOUTH SIDE OF DUKE BETWEEN WHYTE AND VAN HORNE. ELEVATION = 376.447m NORTHING = 5 514 402.567 EASTING = 511 696.113
BM#3	-	TOP NUT OF FIRE HYDRANT ON THE SW CORNER OF DUKE AND KIRKPATRICK. ELEVATION = 380.804m NORTHING = 5 514 400.065 EASTING = 511 915.875
BM#4	-	TOP NUT OF FIRE HYDRANT ON THE SE CORNER OF DUKE AND CASMIR. ELEVATION = 380.385m NORTHING = 5 514 403.488 EASTING = 512 076.101

BENCHMARK INFORMATION



0	2026/01/26	ISSUED FOR TENDER		
NO.	YYMMDD	DESCRIPTION	DESIGN BY	DESIGN CHECK

REVISIONS / ISSUE

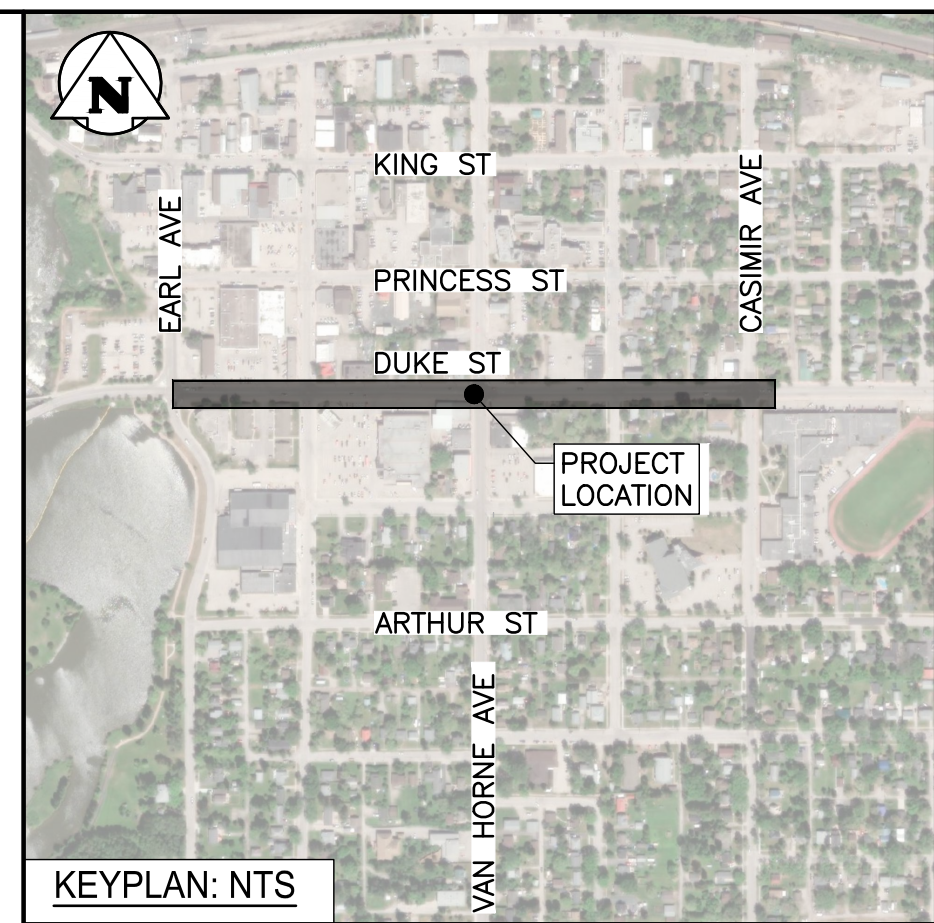
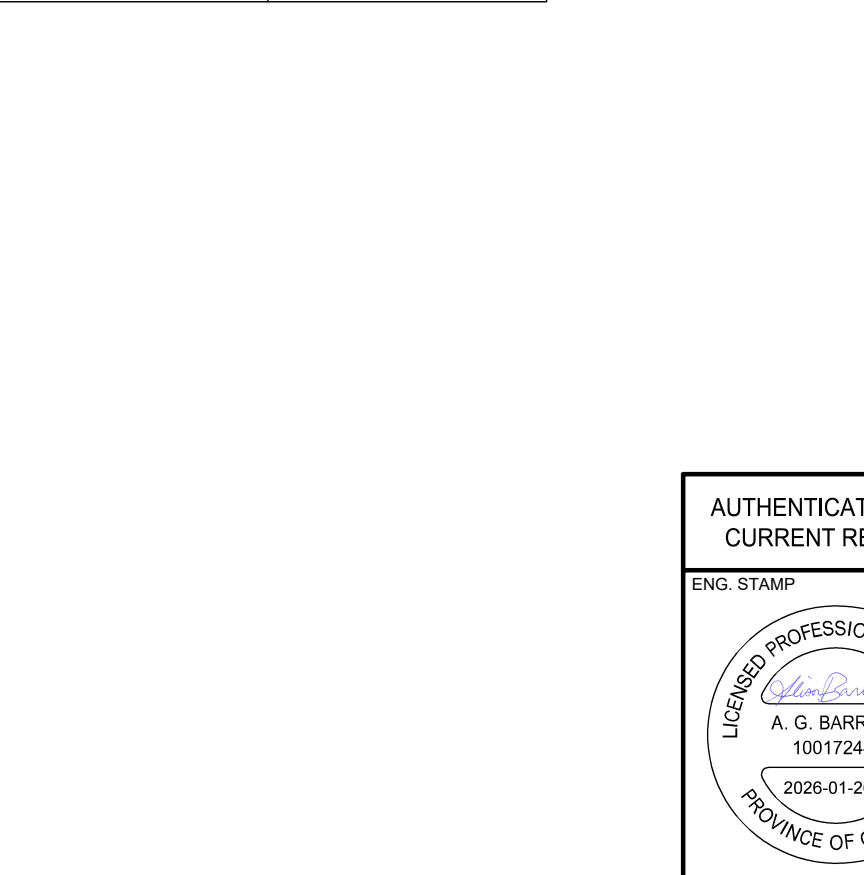
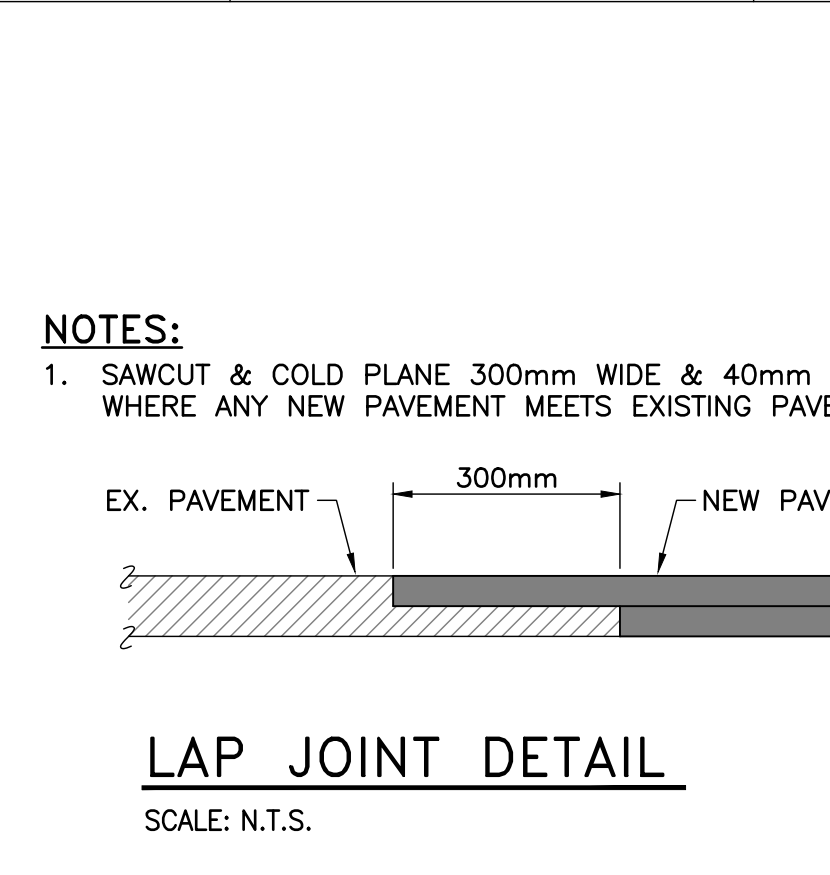
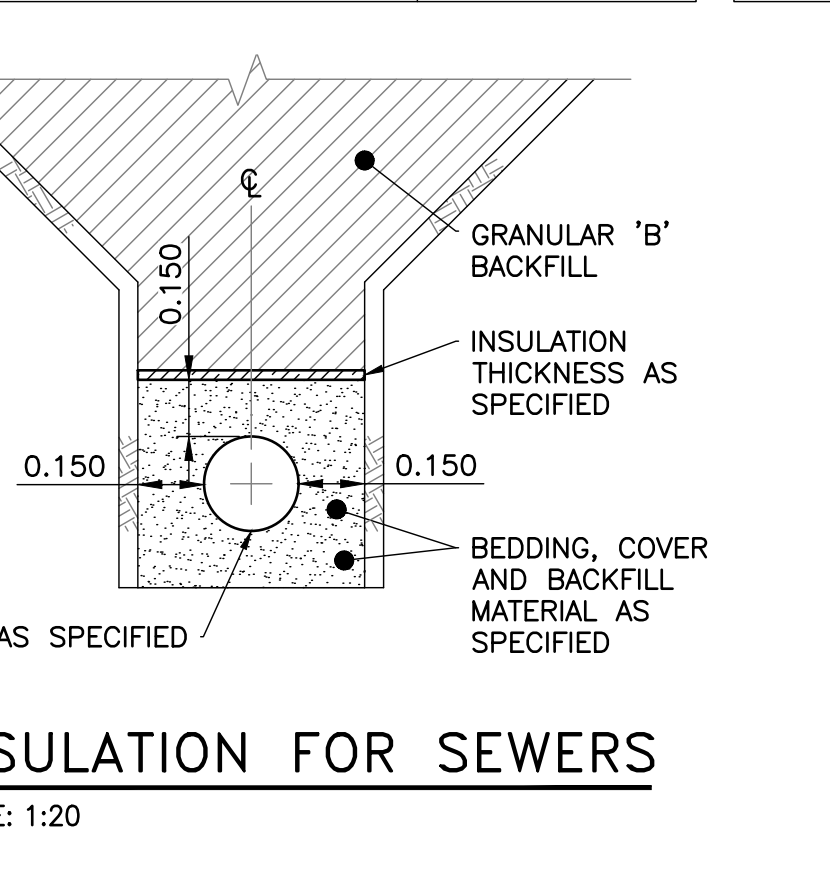
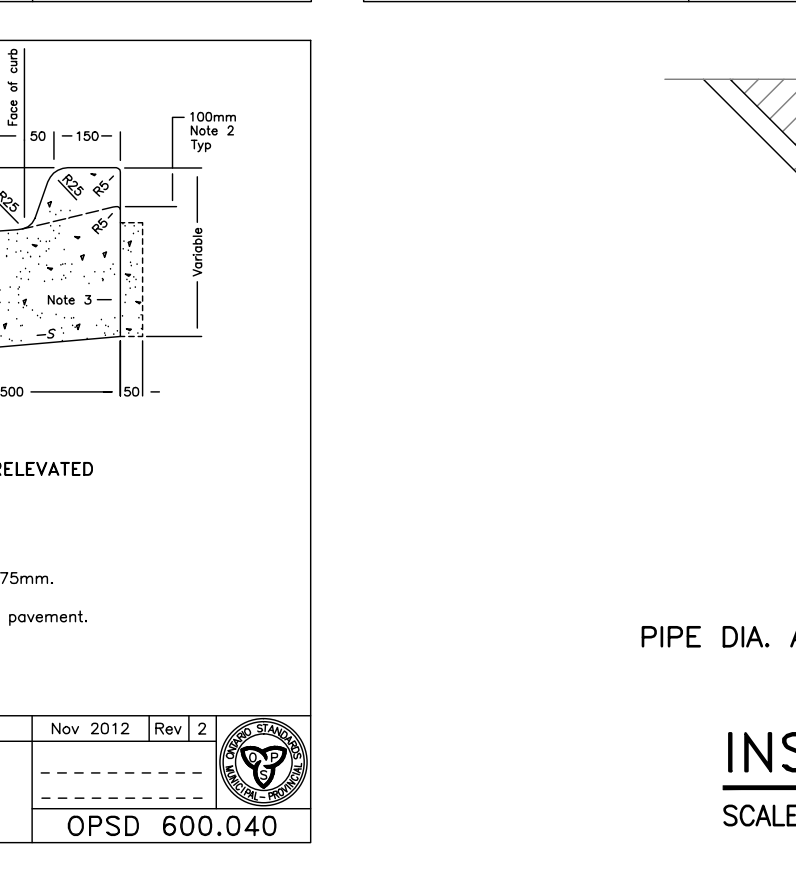
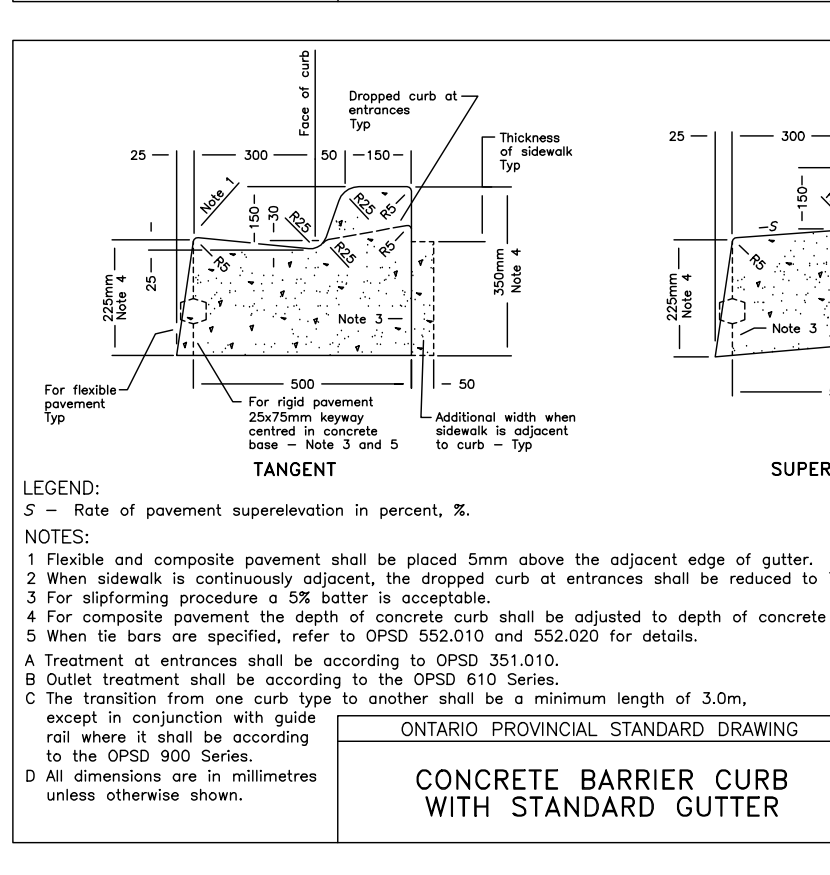
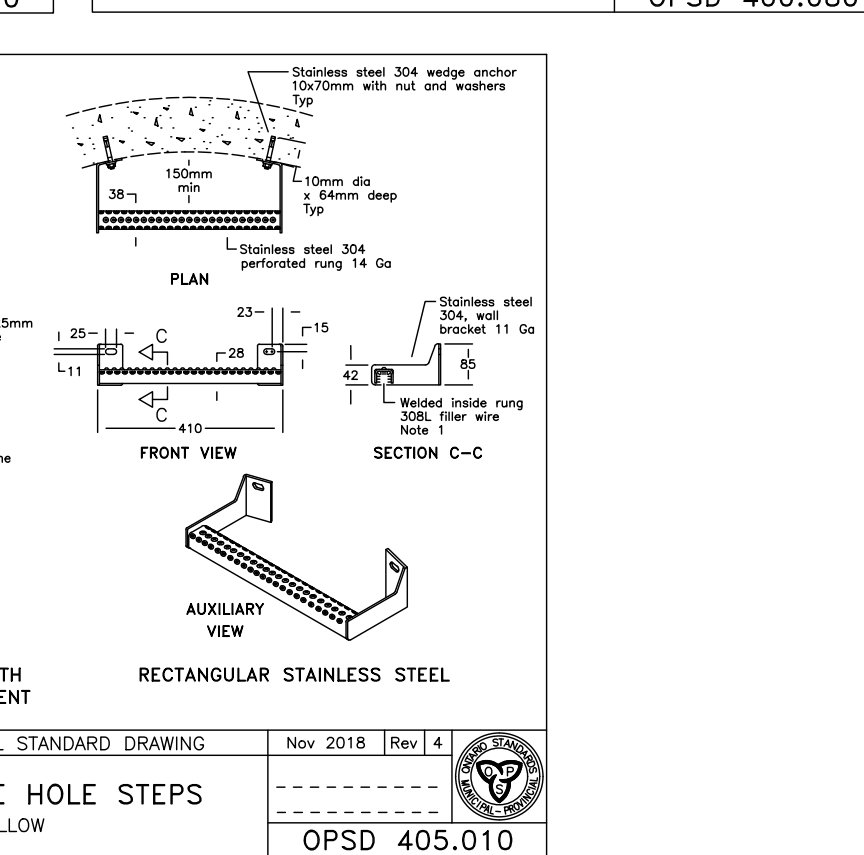
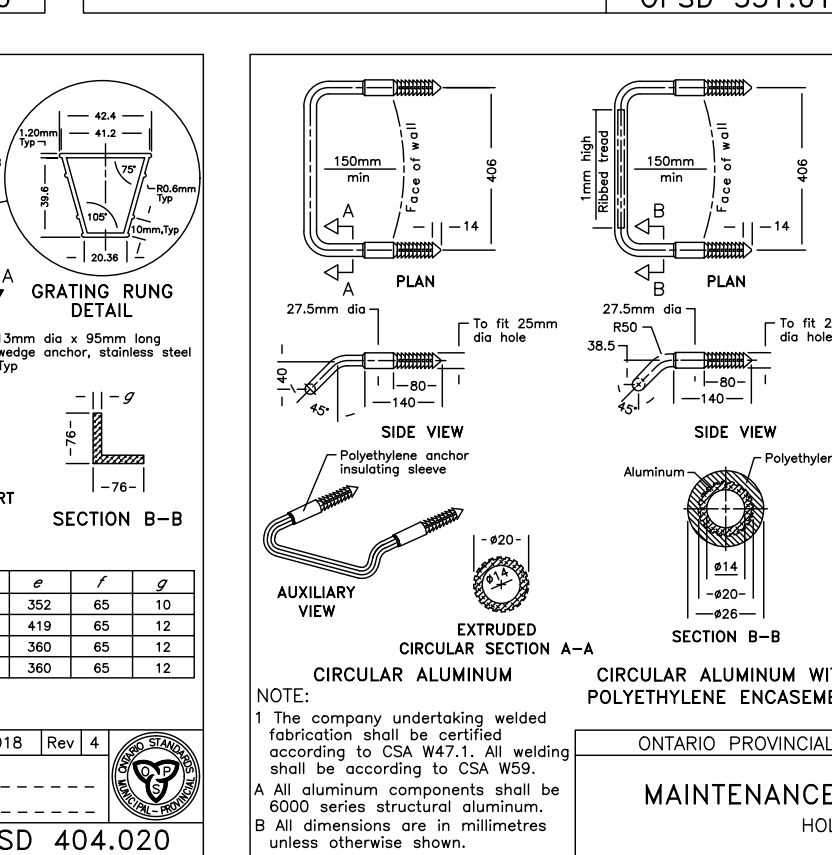
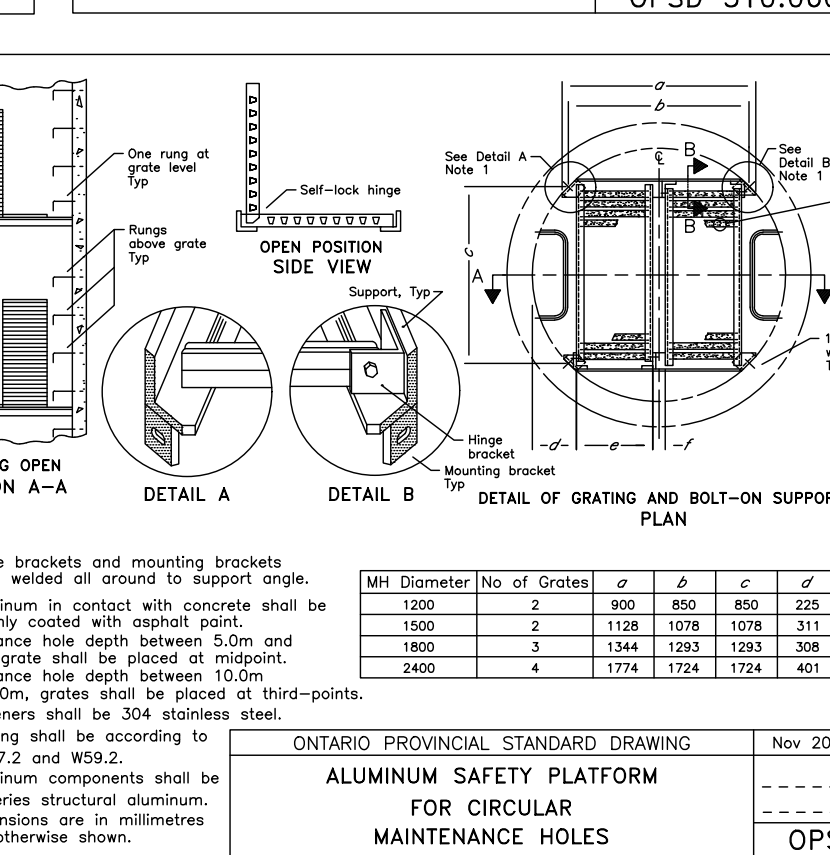
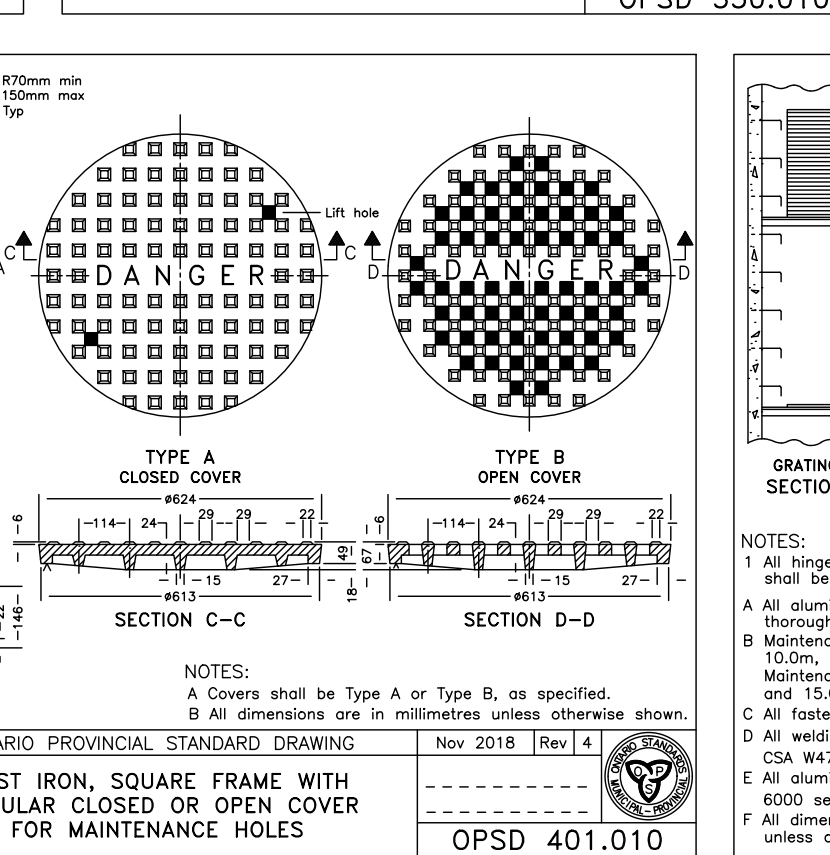
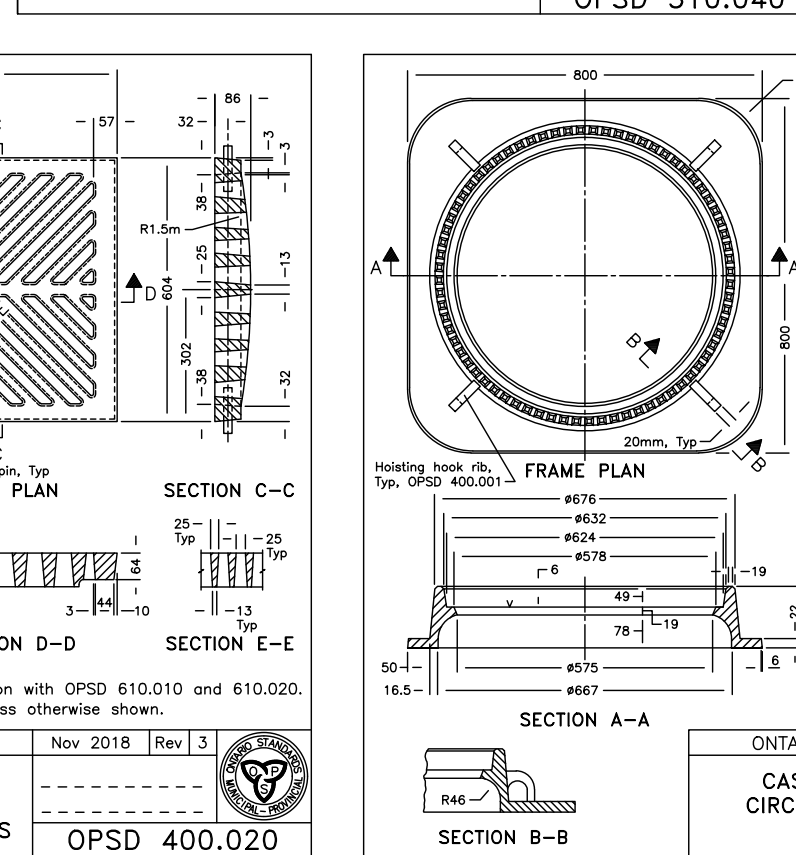
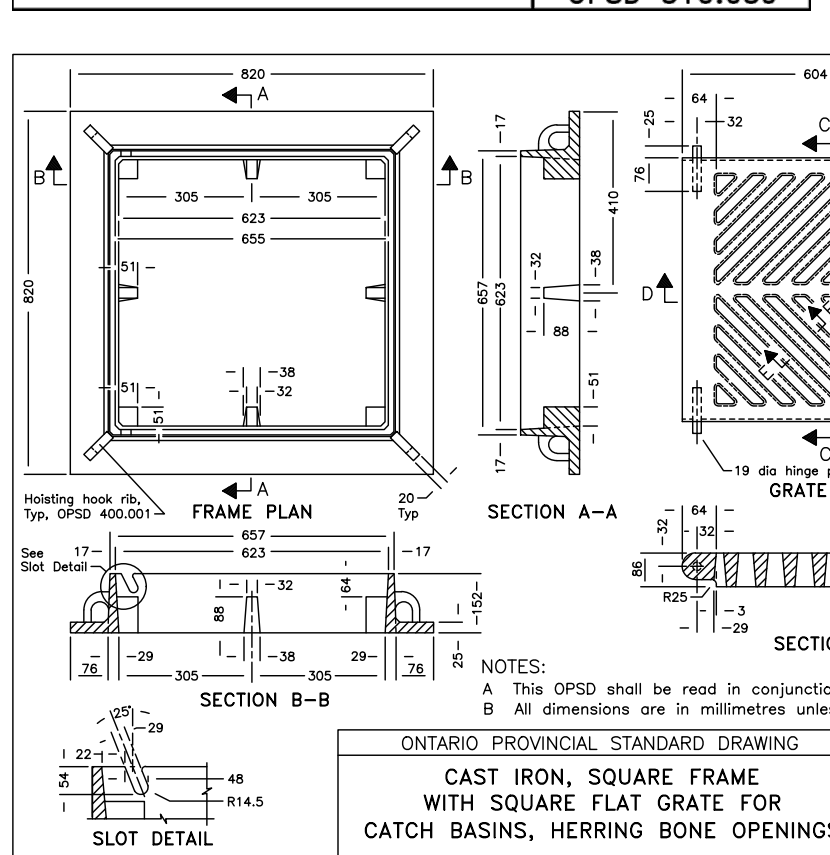
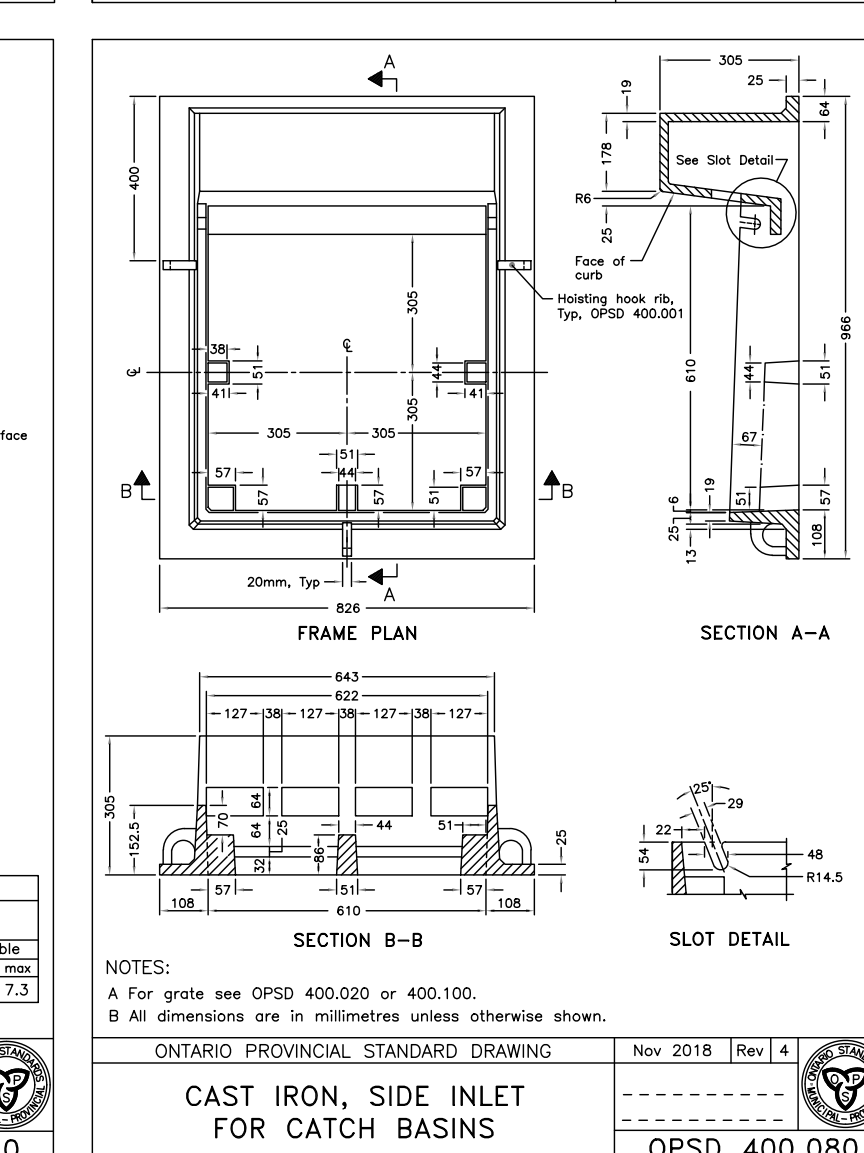
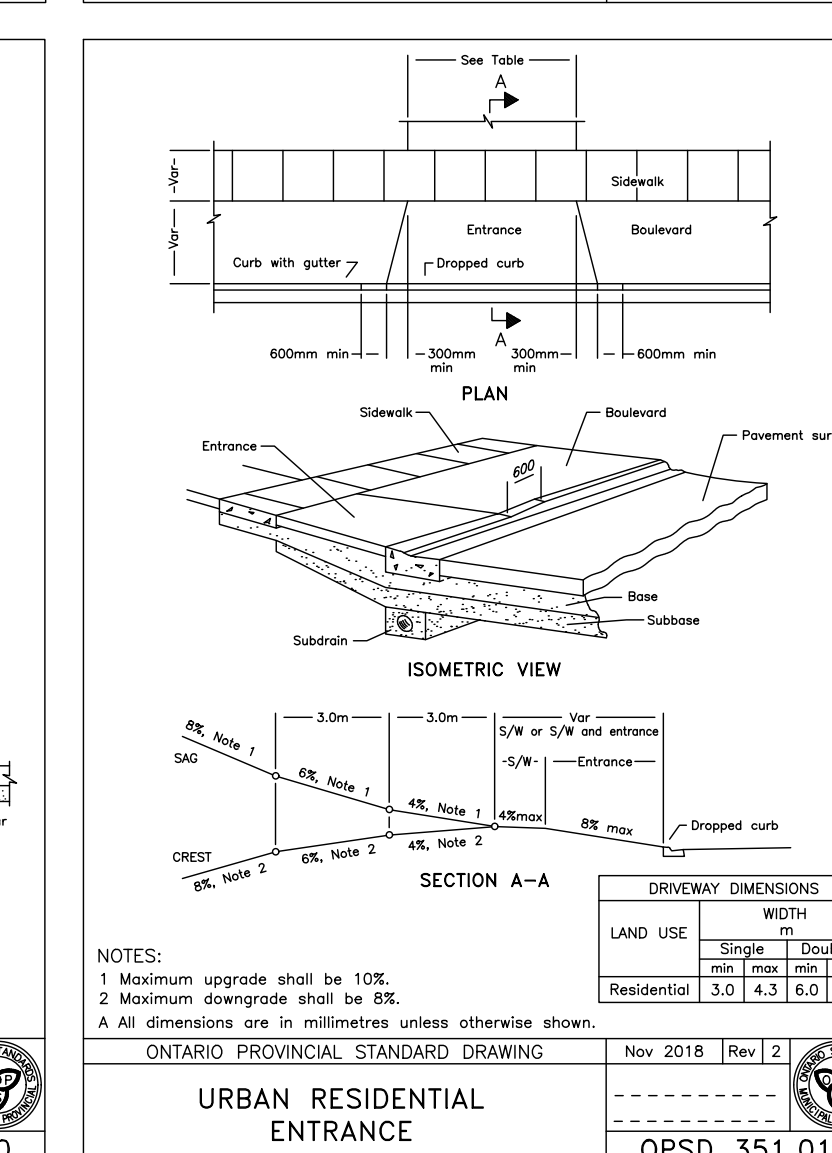
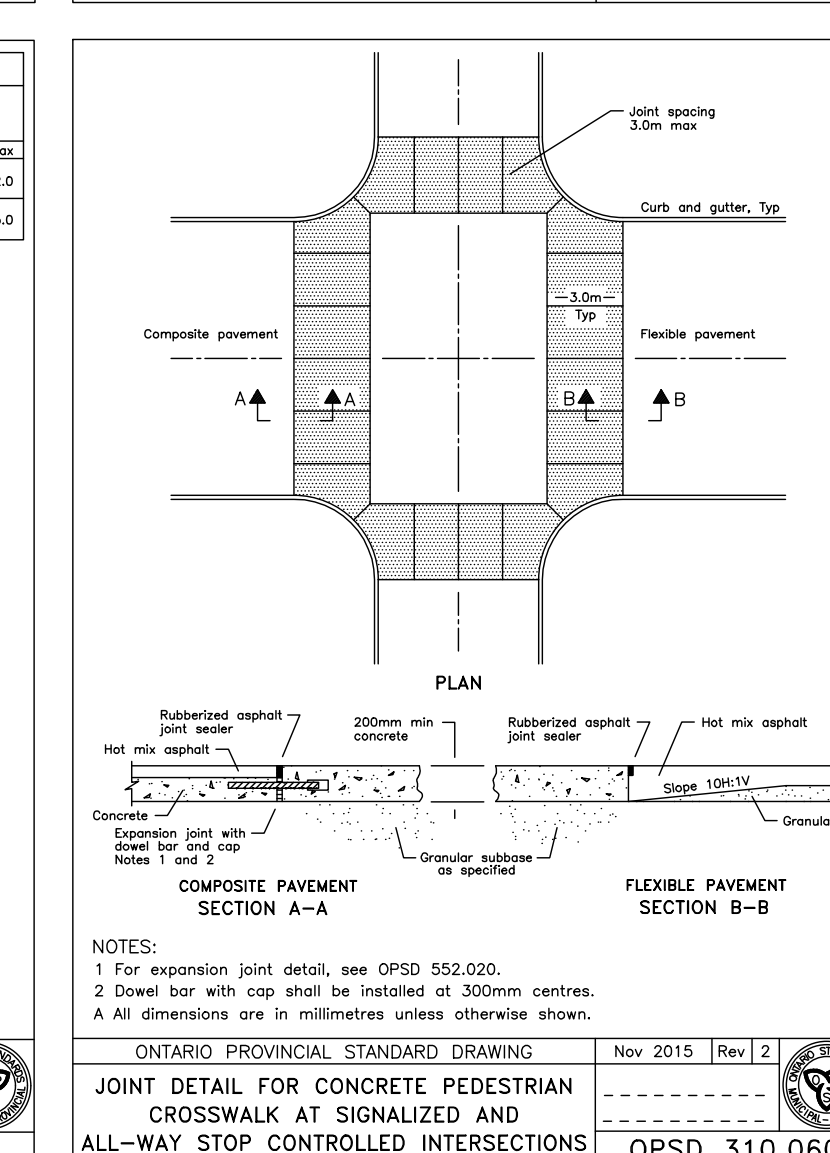
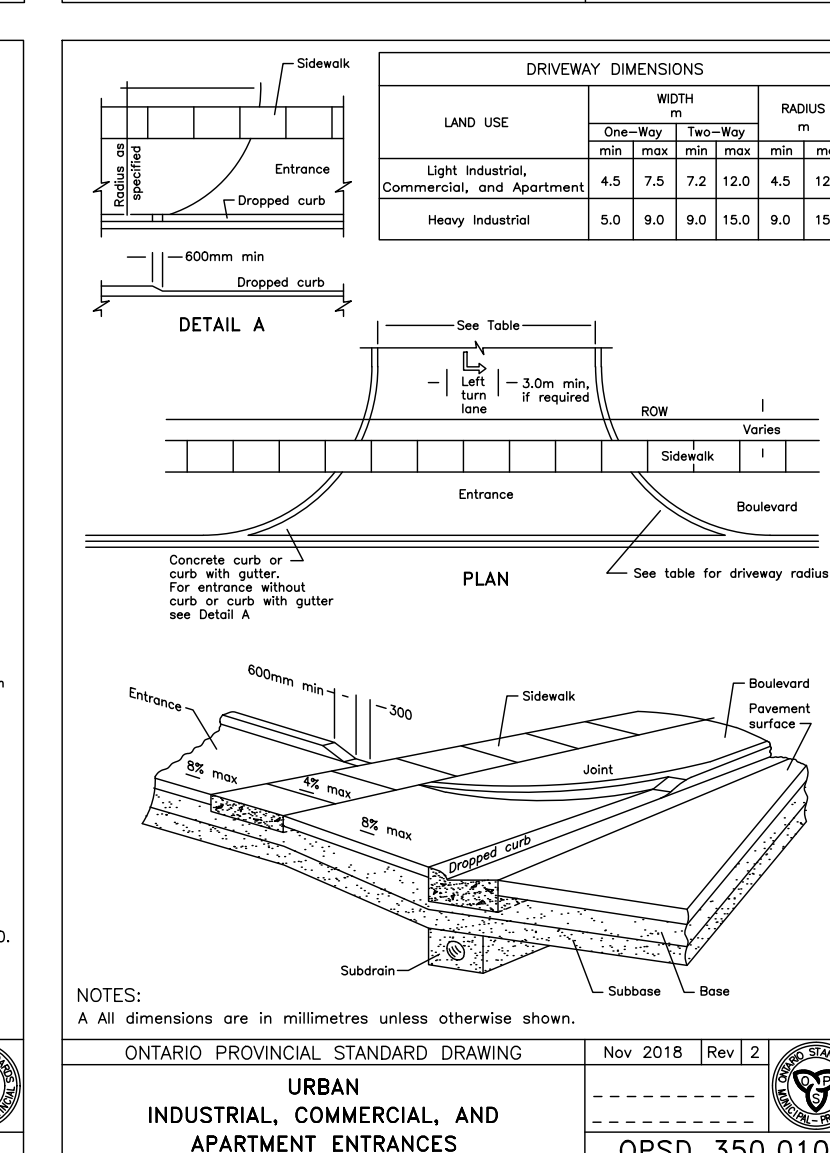
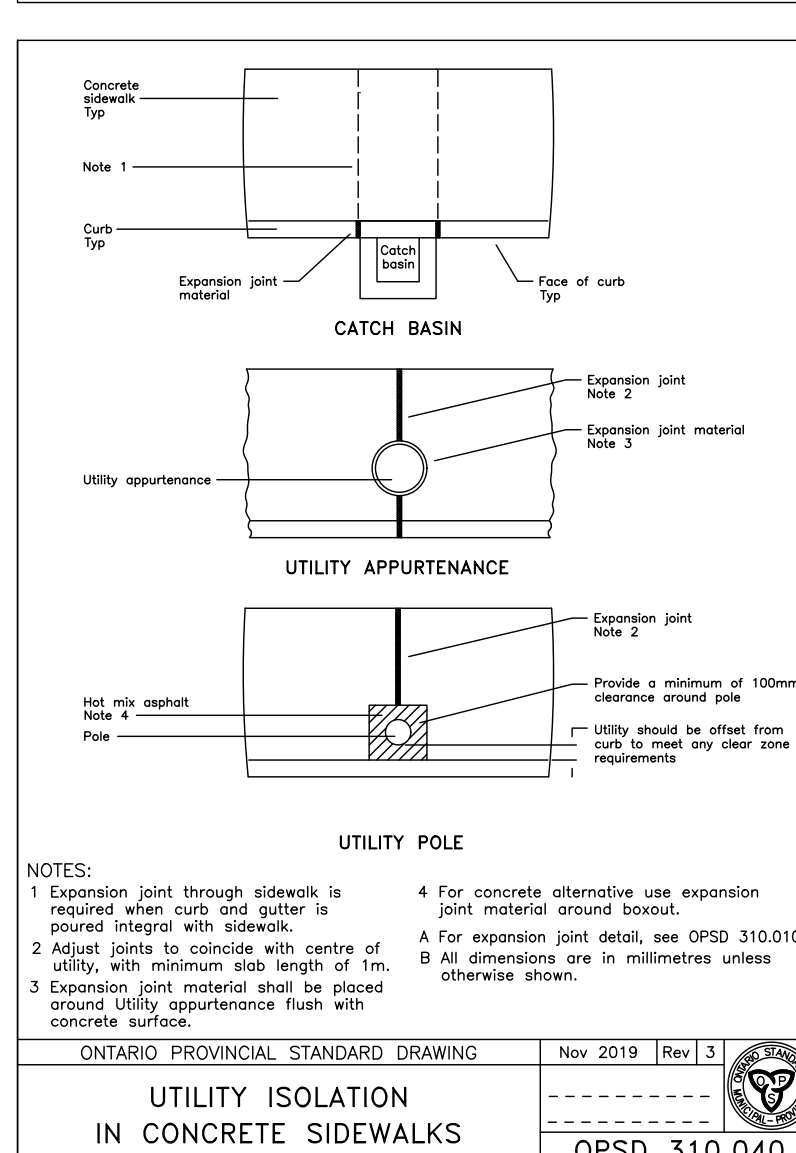
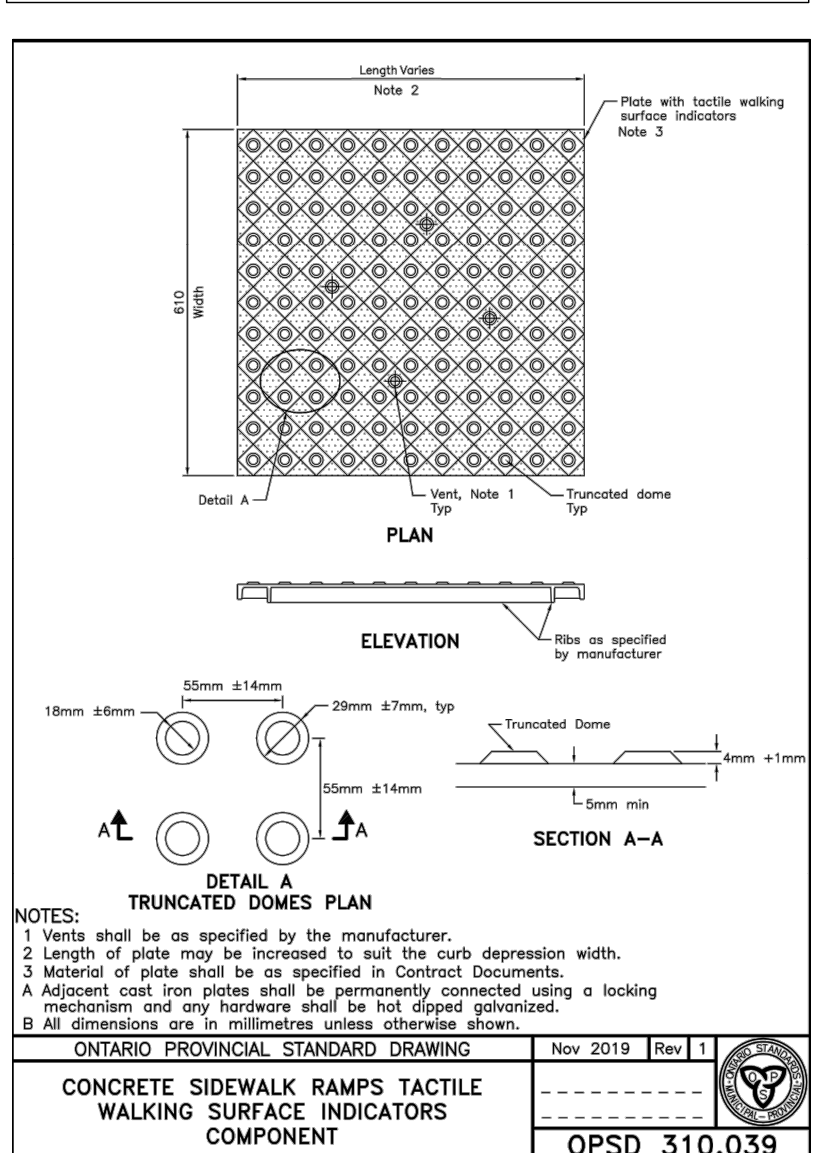
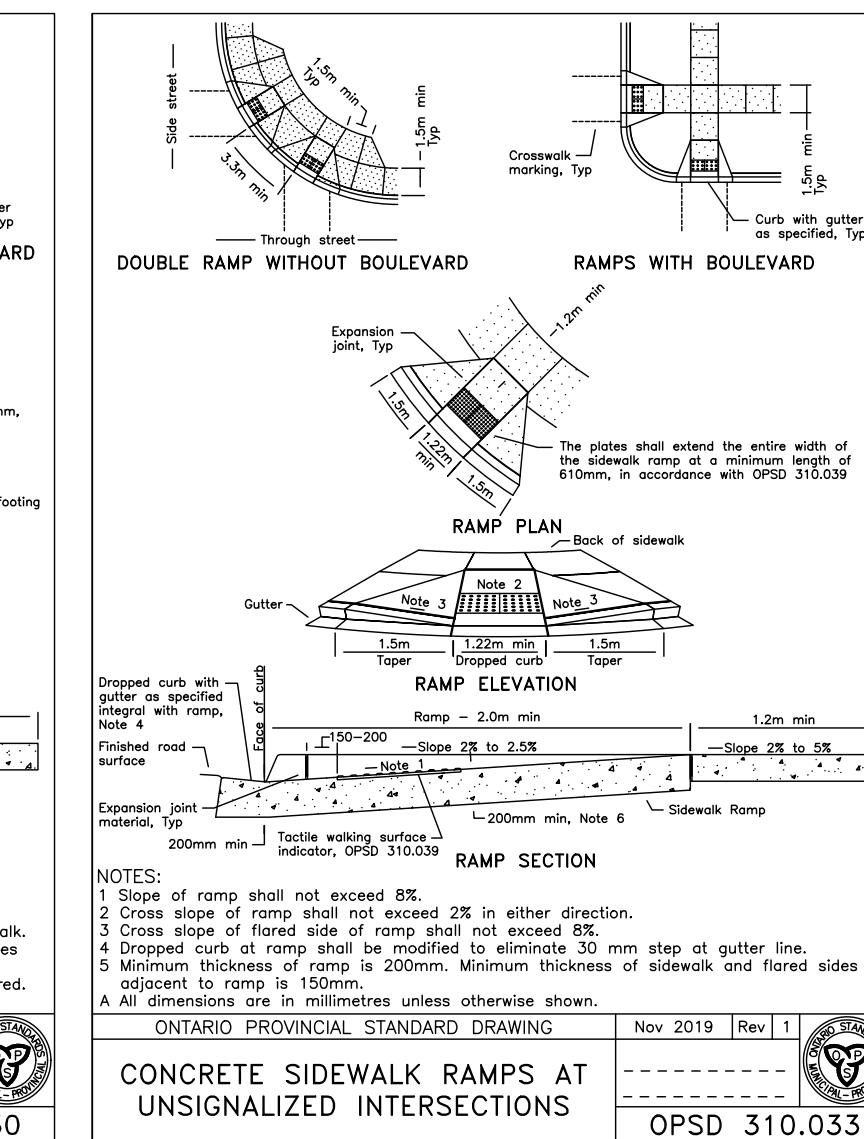
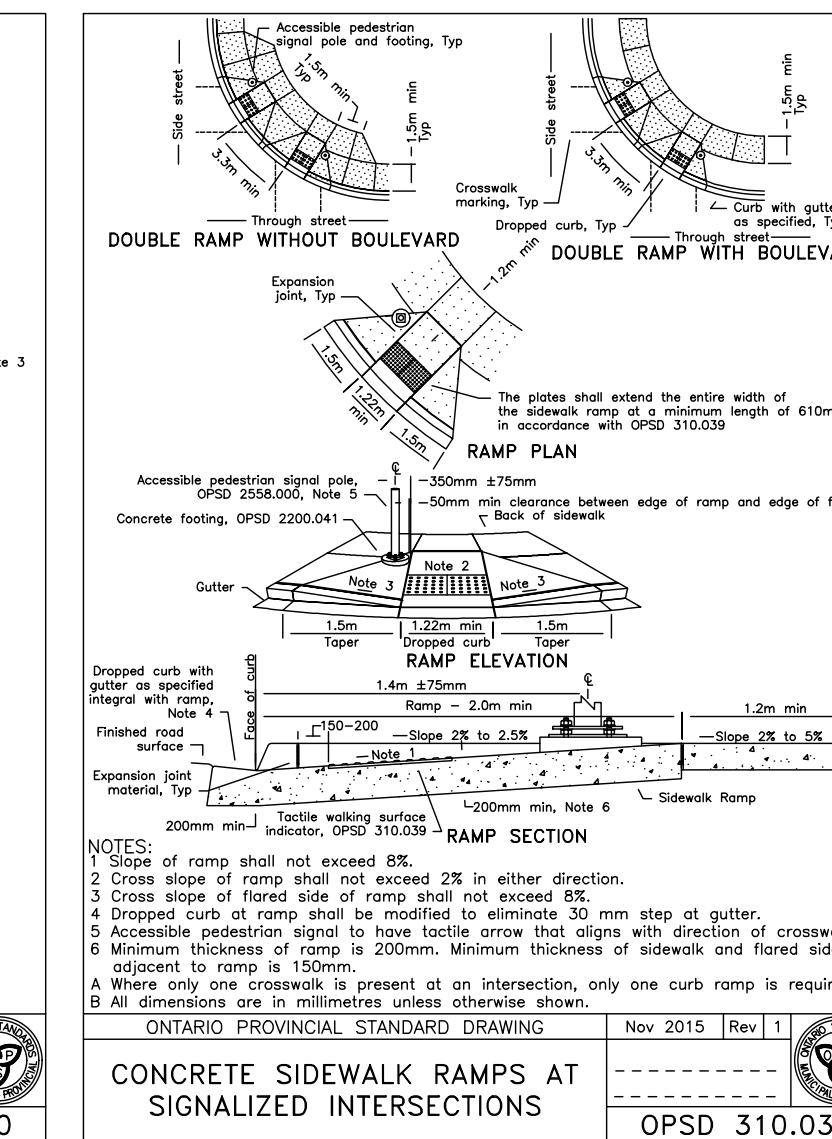
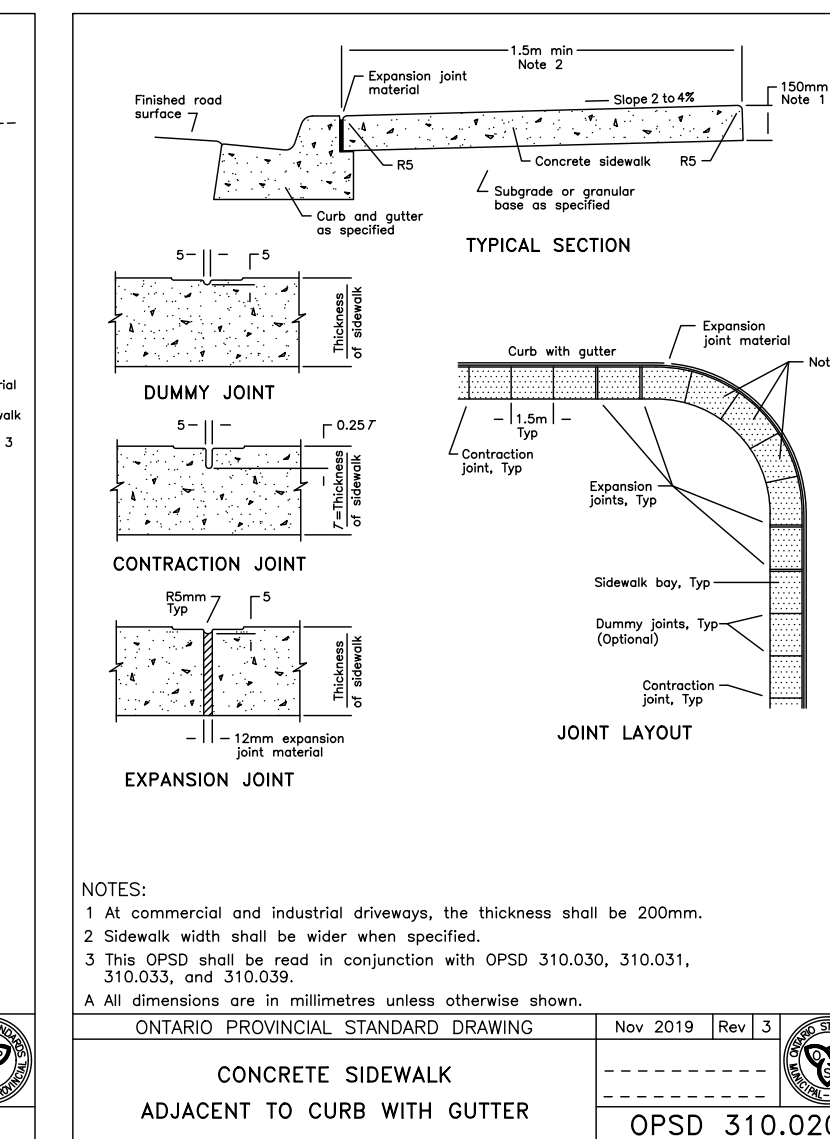
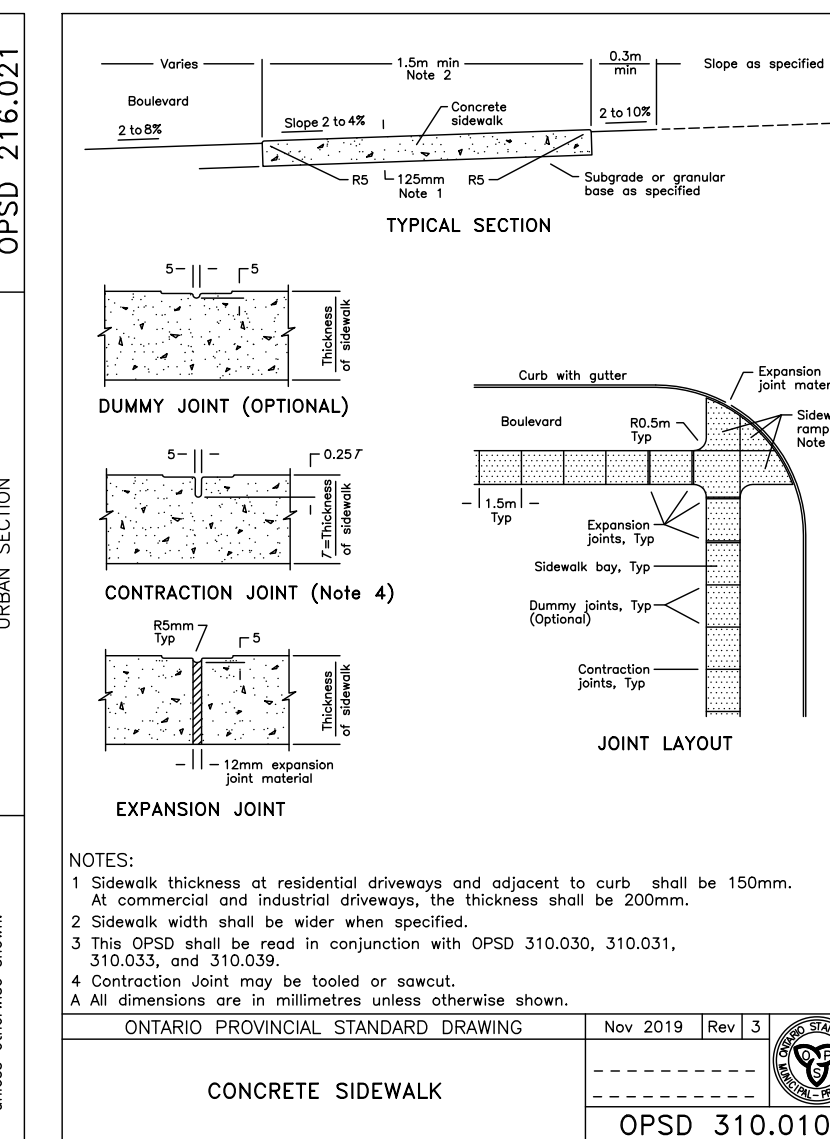
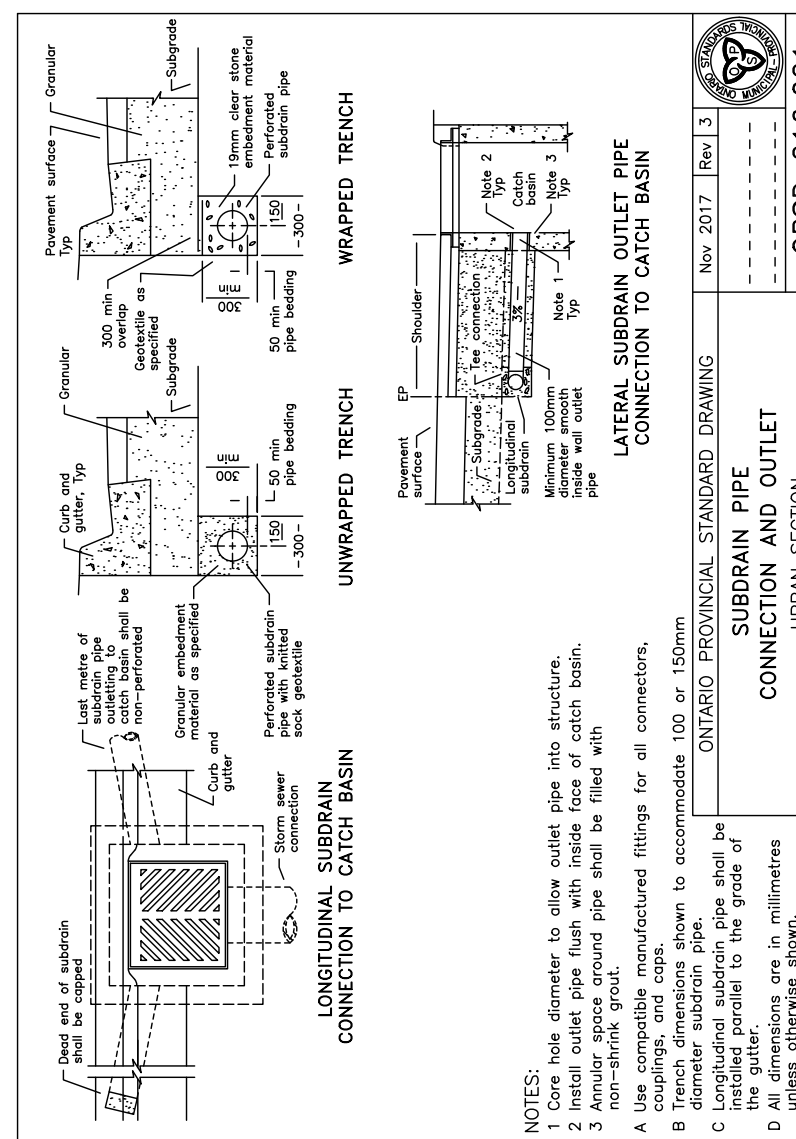
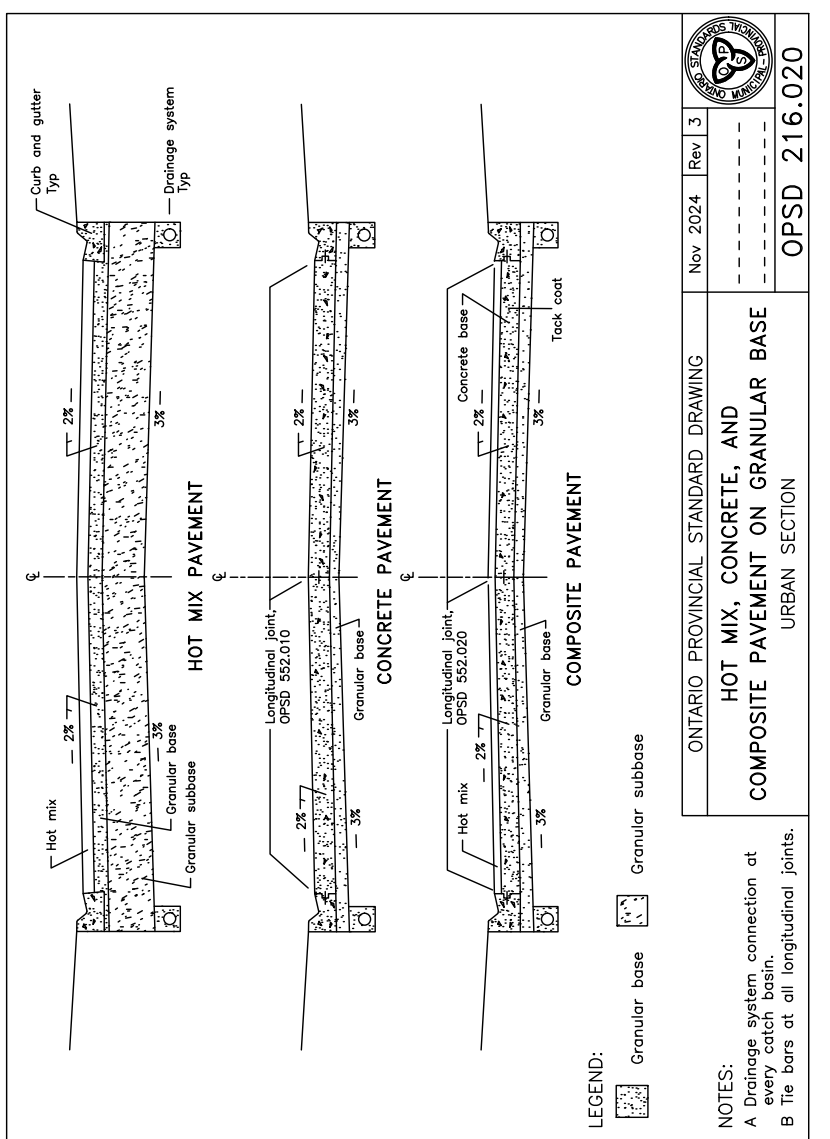


PROJECT: REHABILITATION OF DUKE STREET

DWG. DESCRIPTION:

CIVIL NOTES AND DETAILS

AUTHENTICATION FOR CURRENT REVISION ENG. STAMP 	DESIGN BY:	JK	DATE (YYMMDD):	17/05/01
	DESIGN CHECK:	AB	DATE:	26/01/26
	DRAWN BY:	AJJC	DATE:	16/11/04
	DWG CHECK:	AB	DATE:	26/01/26
DWG. NO:	25-1512-001	C01.00	REV:	0



KEYPLAN: NTS

PROPERTY LIMITS DELINEATION

DELINATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

NOTES:

LOCATION OF UNDERGROUND STRUCTURES 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.

WARNING

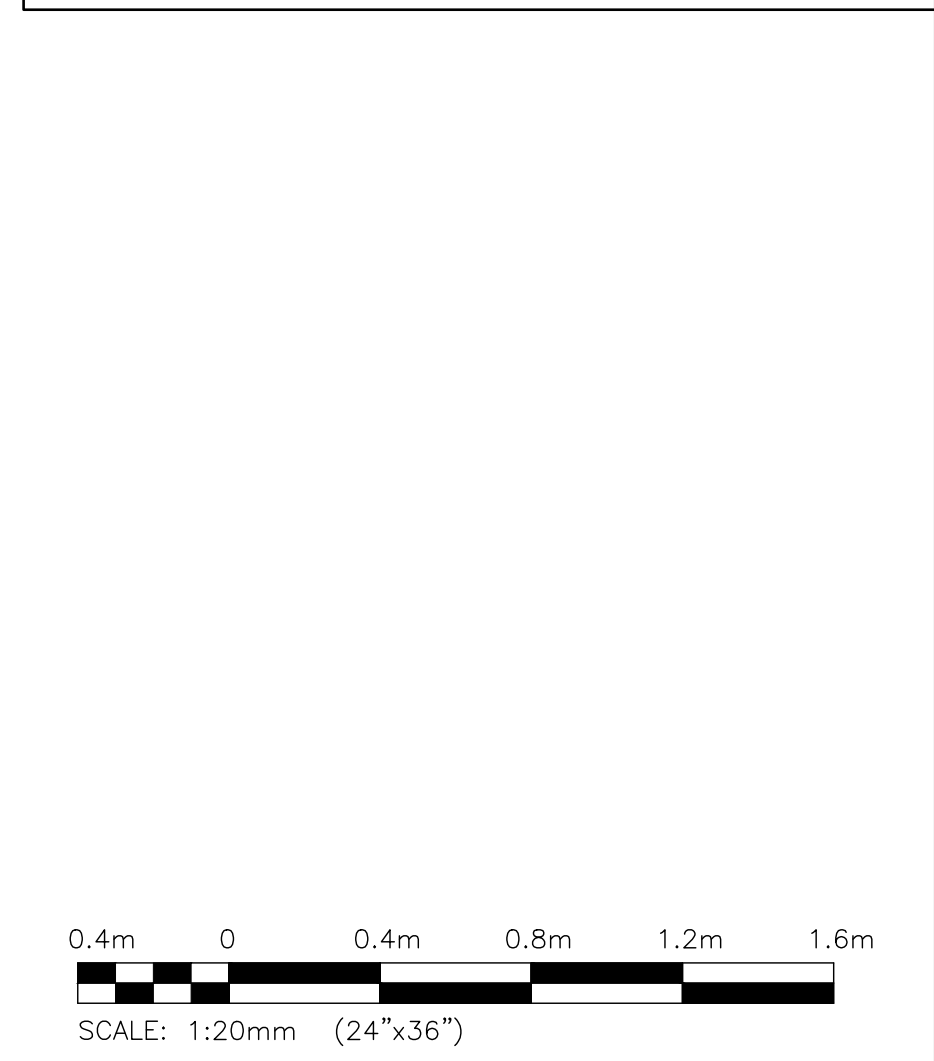
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

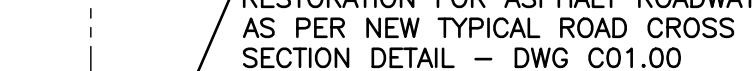
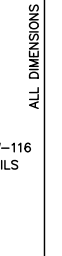
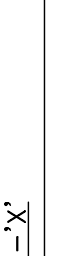
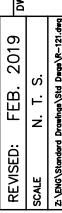
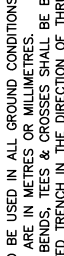
3. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS.

METRIC

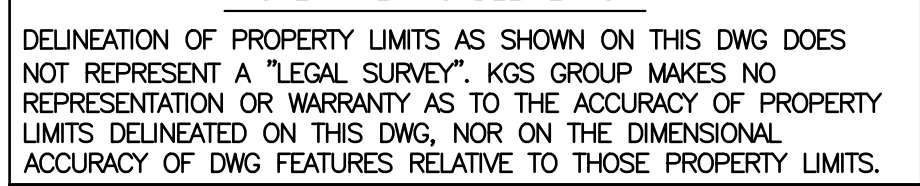
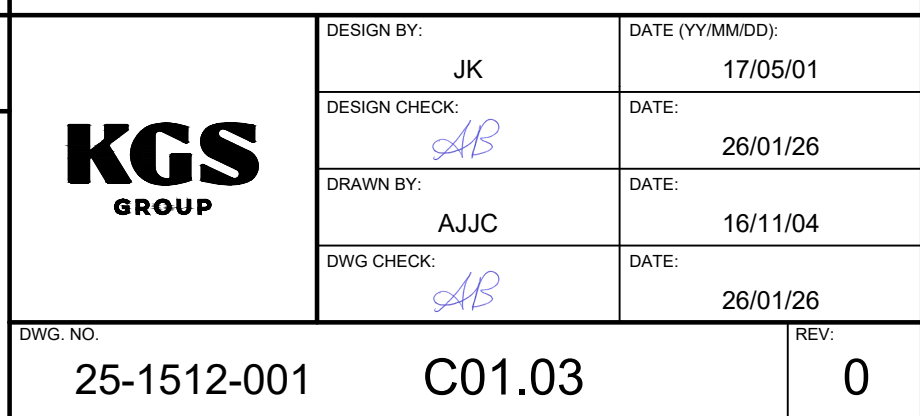
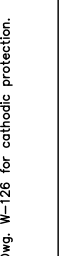
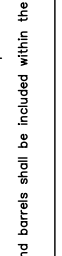
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



0	2026/01/26	ISSUED FOR TENDER		
NO.	YYMMDD	DESCRIPTION	DESIGN BY	DESIGN CHECK
REVISIONS / ISSUE				
CLIENT:				
PROJECT:				
REHABILITATION OF DUKE STREET				
DWG DESCRIPTION:				
CIVIL DETAILS				
AUTHENTICATION FOR CURRENT REVISION				
ENG. STAMP				
KGS GROUP				
DESIGN BY: JK				
DATE: 17/05/01				
DESIGN CHECK: AB				
DATE: 26/01/26				
DRAWN BY: AJUC				
DATE: 16/11/04				
DWG CHECK: AB				
DATE: 26/01/26				
DWG NO. 25-1512-001				
C01.01				
REV. 0				



SCALE: N.T.S.



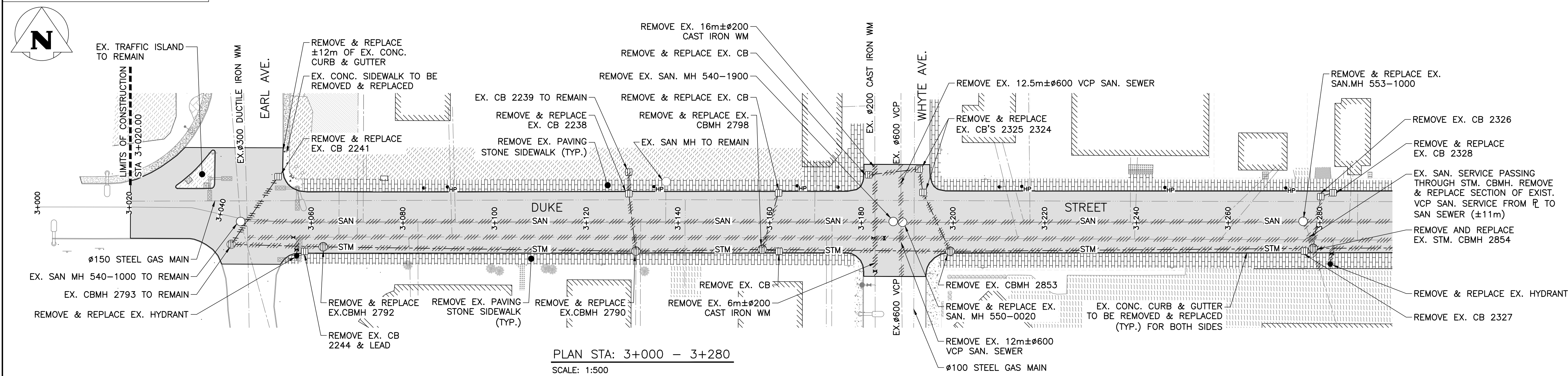
WARNING

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

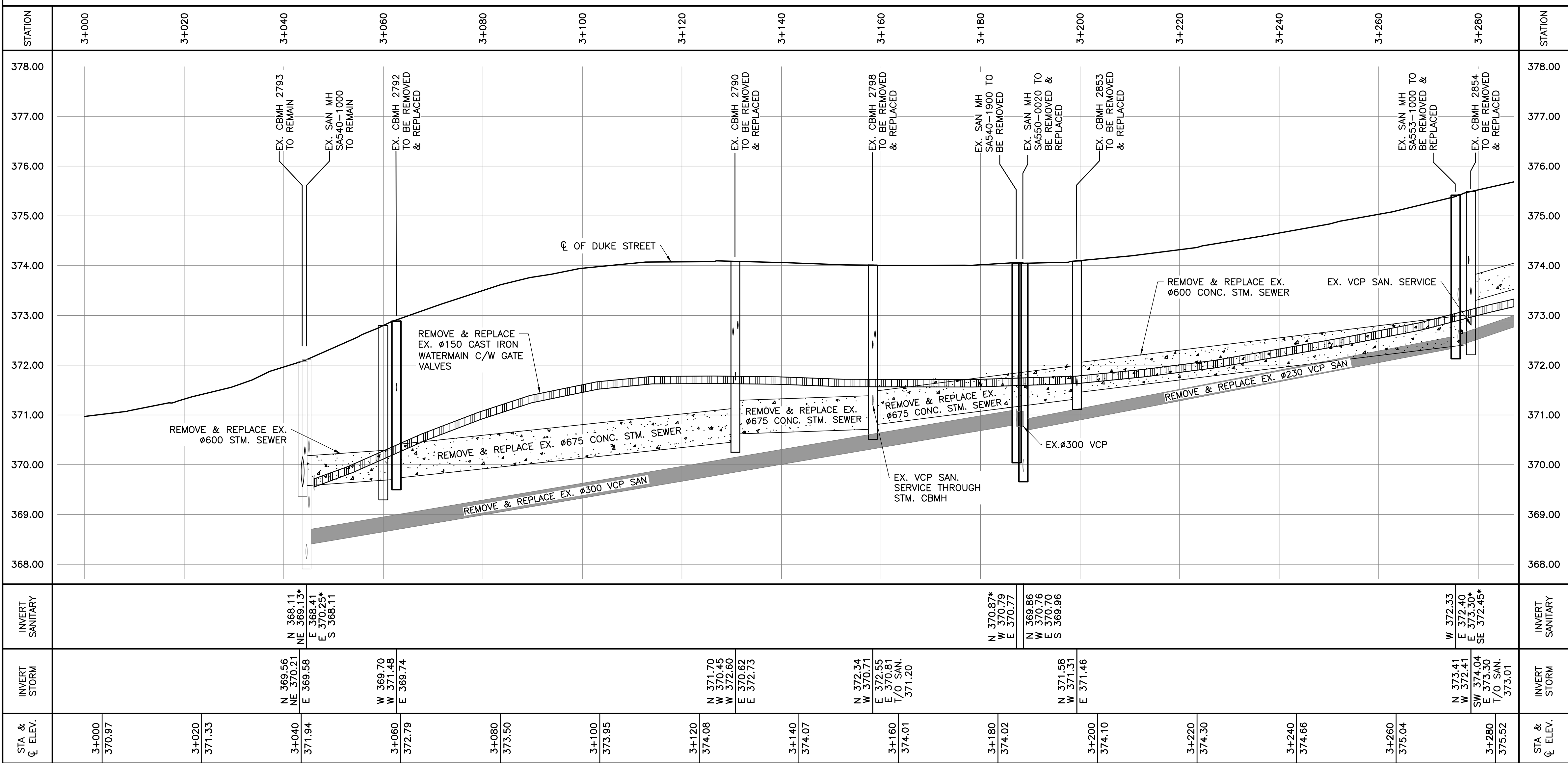
METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR TO REVIEW EXISTING CONCRETE CURB AND GUTTER AND SIDEWALKS WITHIN CONSTRUCTION LIMITS WITH THE CONTRACT ADMINISTRATOR. CONTRACT ADMINISTRATOR WILL DELINEATE ANY ADDITIONAL AREAS FOR SPOT REPAIRS TO BE COMPLETED NOT IDENTIFIED ON DRAWINGS.

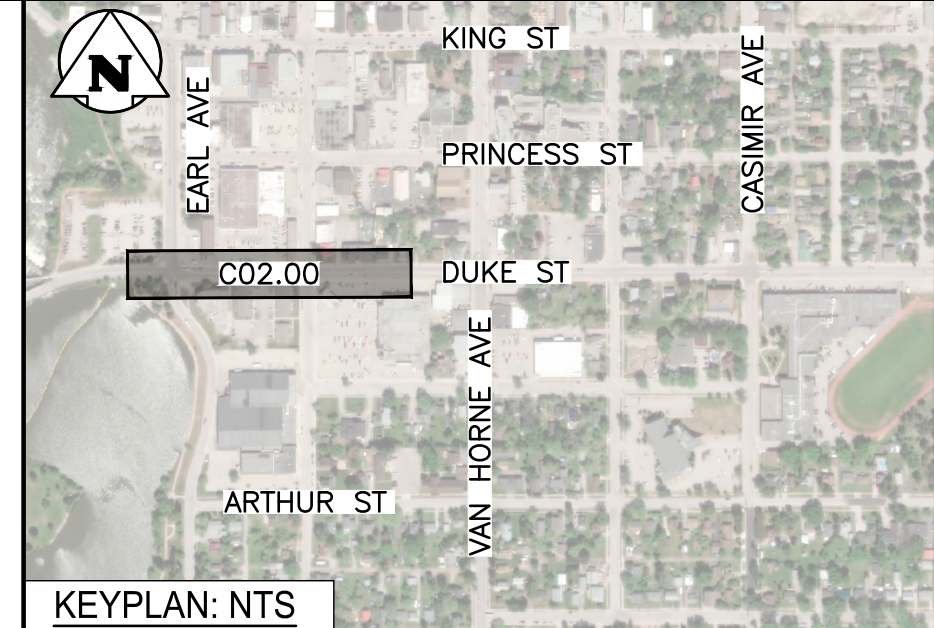


PLAN STA: 3+000 - 3+280
SCALE: 1:500



* DENOTES EXIST. SAN SERVICE CONNECTION

PROFILE STA: 3+000 - 3+280
SCALE: H 1:500
V 1:50



KEYPLAN: NTS
NOTE:
LOCATION OF UNDERGROUND STRUCTURES 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.

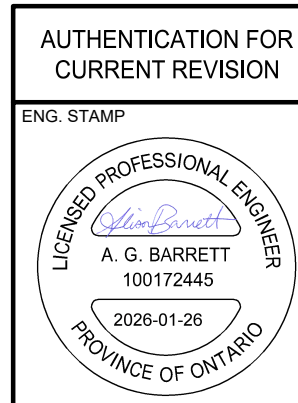
- WARNING
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 3. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS.

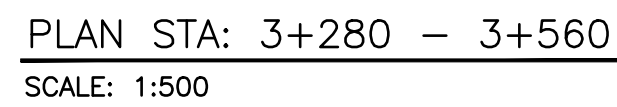
METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LEGEND

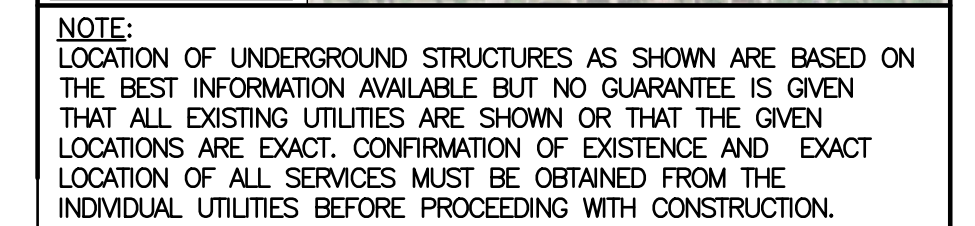
SANITARY SEWER AND MH	--- SAN ---
STORM SEWER AND MH	--- STM ---
WATERMAIN	---
CATCHBASIN	⊞
GAS	---
SWALE	---
HYDRO POLE	HP
GUY WIRE	---
STOP / NO PARKING SIGN	---
STREET LIGHT	---
TREES	---
BUSHES	---
FENCE	---
VALVEBOX	---
FIRE HYDRANT	---
PAVING STONE SIDEWALK	---
CONCRETE SIDEWALK	---
BUILDING	---
CONCRETE DRIVEWAYS	---
GRAVEL DRIVEWAYS	---
ASPHALT DRIVEWAYS	---
VCP (VITRIFIED CLAY PIPE)	---
ASPHALT REMOVALS	---
REMOVALS	---

0	2026/01/26	ISSUED FOR TENDER	DESIGN BY	JK	DATE (YYMMDD)	17/05/01
NO.	YYMMDD	DESCRIPTION	DESIGN BY	JK	DATE	28/01/26
REVISIONS / ISSUE						
CLIENT:						
PROJECT:						
REHABILITATION OF DUKE STREET						
DWG. DESCRIPTION:						
DEMOLITION PLAN AND PROFILE STA 3+000 - 3+280						
DRAWN BY:						
AJUC						
DATE:						
26/01/26						
DWG. NO.						
25-1512-001						
C02.00						
REV:						
0						





SCALE: H 1:500
V 1:50



METRIC

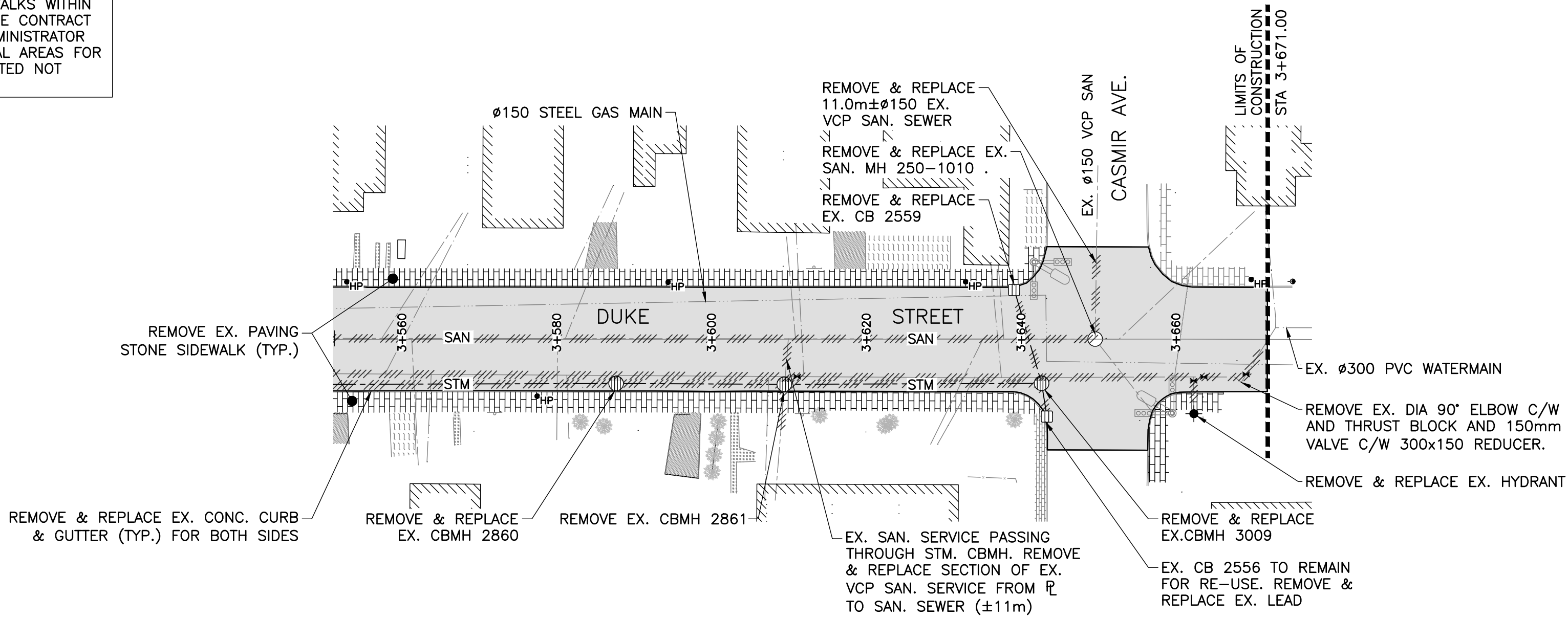
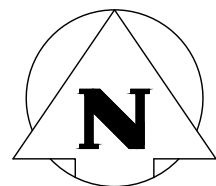
LEGEND

	0	2026/01/26	ISSUED FOR TENDER		
	NO.	YY/MM/DD	DESCRIPTION	DESIGN BY	DESIGN CHECK
REVISIONS / ISSUE					

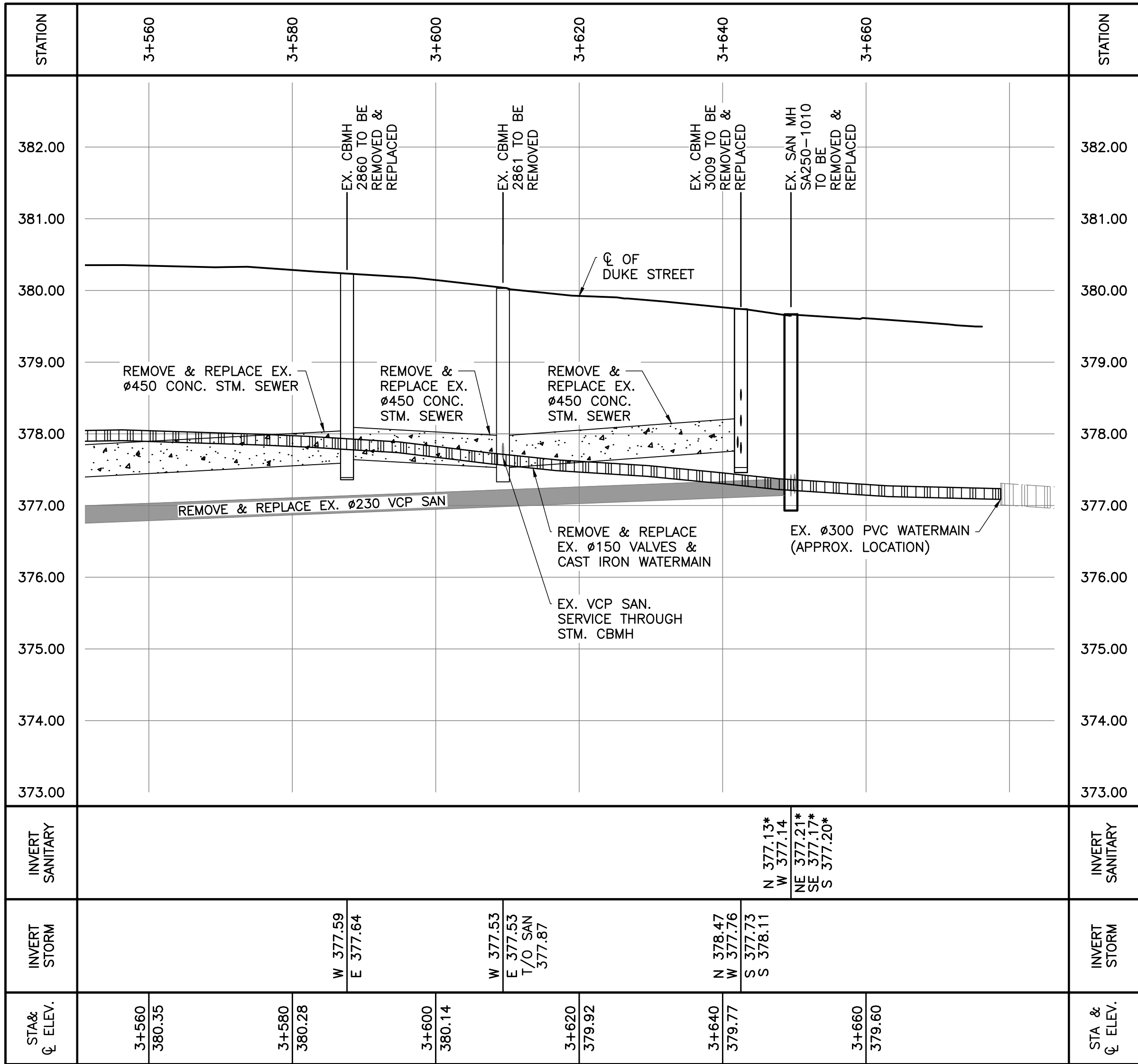
PROJECT: REHABILITATION OF DUKE STREET

	DESIGN BY:	DATE (YY/MM/DD):
	JK	17/05/01
	DESIGN CHECK:	DATE:
	<i>AB</i>	26/01/26
	DRAWN BY:	DATE:
AJJC	16/11/04	
DWG CHECK:	DATE:	
<i>AB</i>	26/01/26	
DWG: NO		REV:
25-1512-001	C02.01	0

PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR TO REVIEW EXISTING CONCRETE CURB AND GUTTER AND SIDEWALKS WITHIN CONSTRUCTION LIMITS WITH THE CONTRACT ADMINISTRATOR. CONTRACT ADMINISTRATOR WILL DELINEATE ANY ADDITIONAL AREAS FOR SPOT REPAIRS TO BE COMPLETED NOT IDENTIFIED ON DRAWINGS.

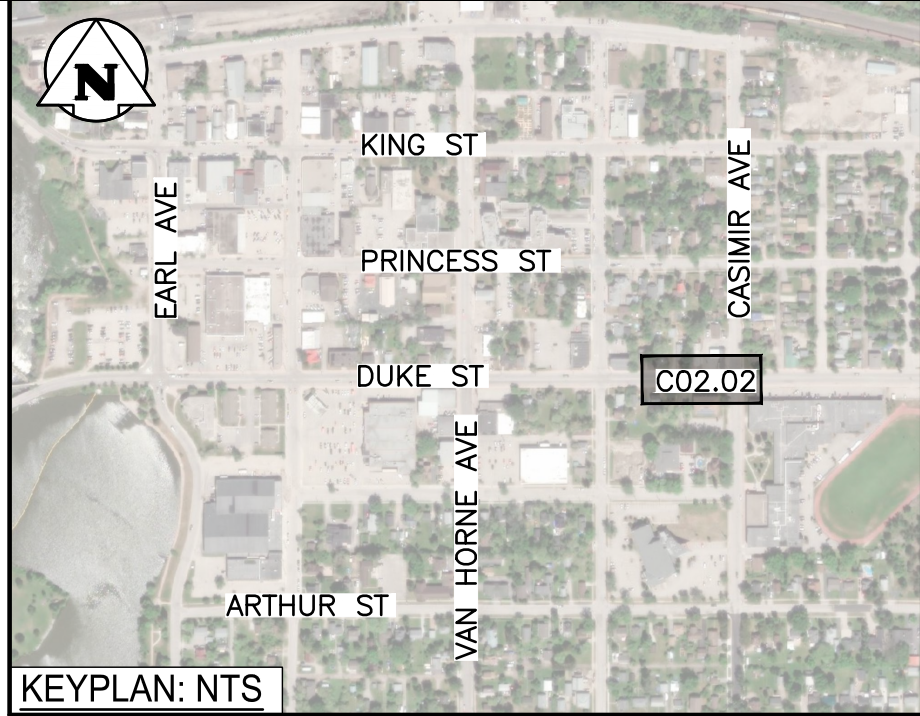


PLAN STA: 3+560 - 3+671
SCALE: 1:500



* DENOTES EXIST. SAN SERVICE CONNECTION

PROFILE STA: 3+560 - 3+671
SCALE: H 1:500
V 1:50



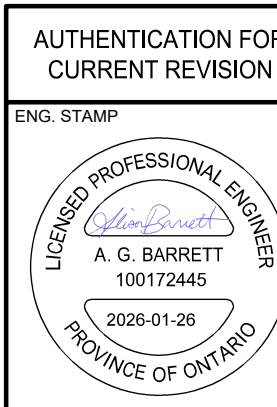
KEYPLAN: NTS
NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL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

- WARNING
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 3. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS.

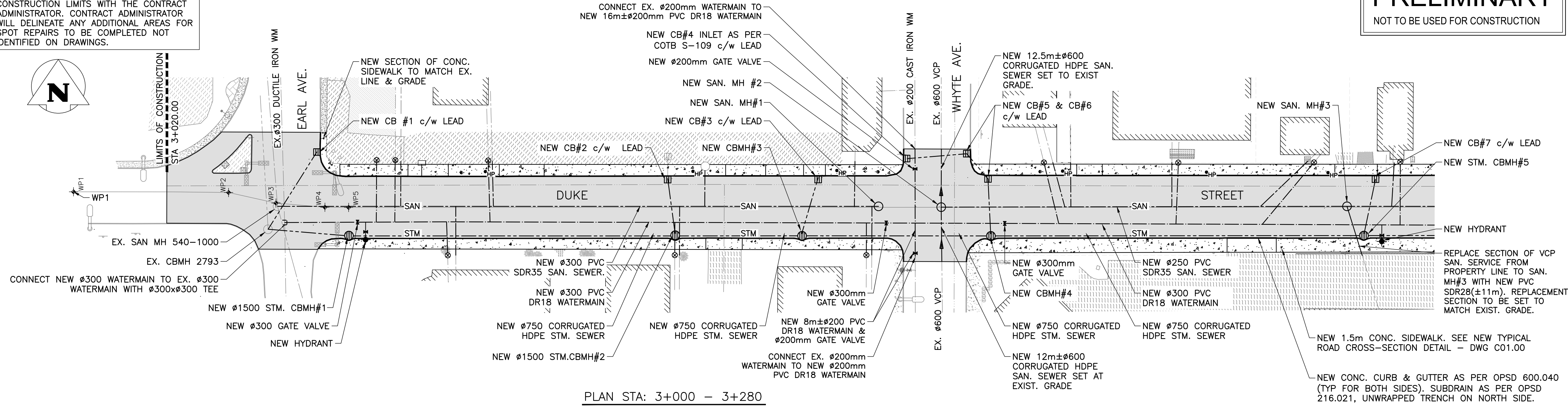
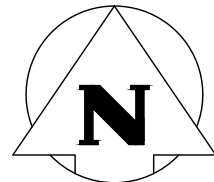
METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LEGEND	
SANITARY SEWER AND MH	SAN - ○
STORM SEWER AND MH	STM - ○
WATERMAIN	—
CATCHBASIN	⊞
GAS	—
SWALE	—
HYDRO POLE	HP
GUY WIRE	—
STOP / NO PARKING SIGN	—
STREET LIGHT	—
TREES	—
BUSHES	—
FENCE	—
VALVEBOX	—
FIRE HYDRANT	—
REDUCER	—
PAVING STONE SIDEWALK	—
CONCRETE SIDEWALK	—
BUILDING	—
CONCRETE DRIVEWAYS	—
GRAVEL DRIVEWAYS	—
ASPHALT DRIVEWAYS	—
VCP (VITRIFIED CLAY PIPE)	—
ASPHALT REMOVALS	—
REMOVALS	—

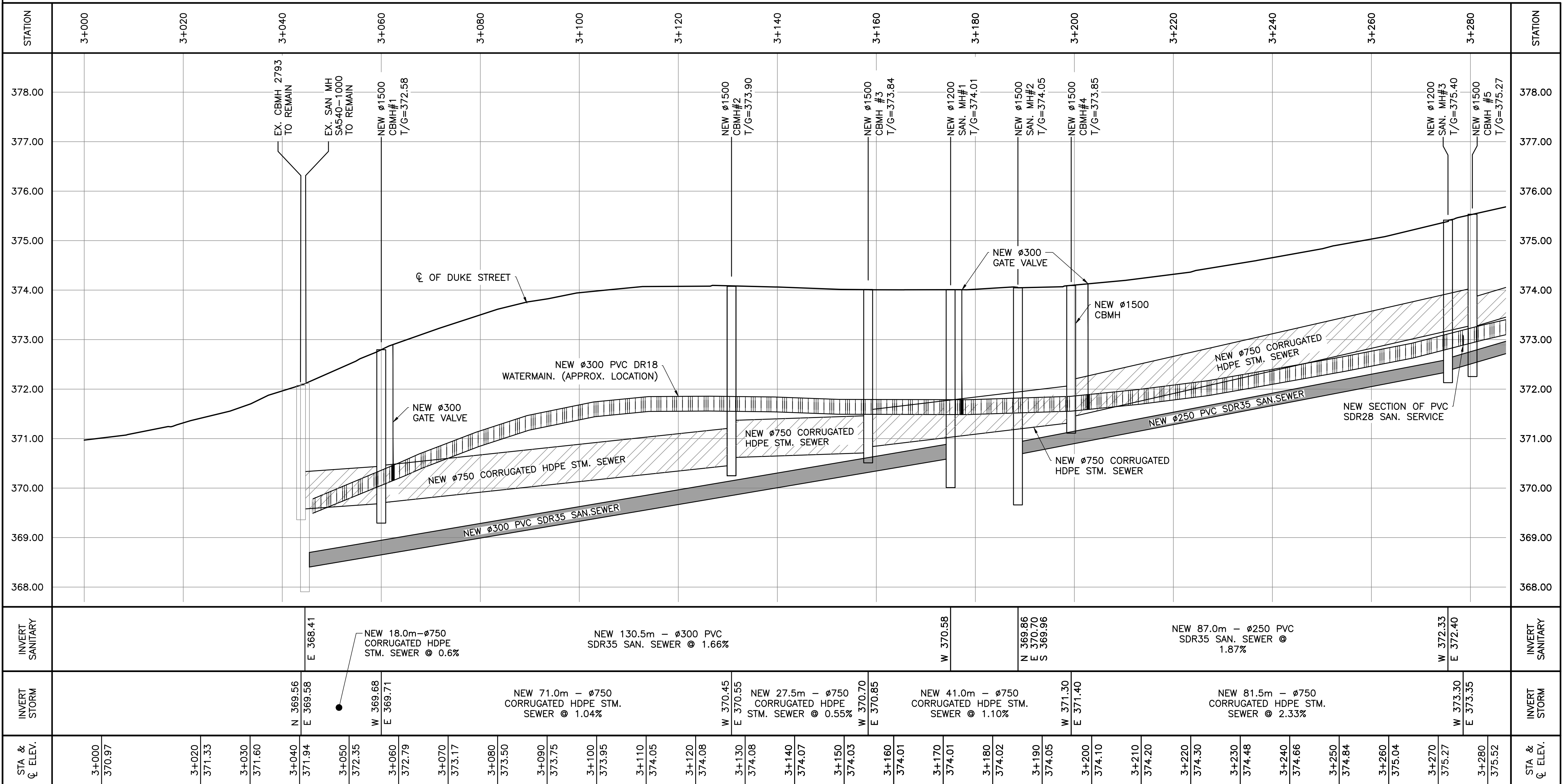
0	2026/01/26	ISSUED FOR TENDER	AB	AB
NO.	YYMMDD	DESCRIPTION	DESIGN BY	DESIGN CHECK
REVISIONS / ISSUE				
CLIENT:				
				
PROJECT:				
REHABILITATION OF DUKE STREET				
DWG. DESCRIPTION:				
DEMOLITION PLAN AND PROFILE STA 3+560 - 3+671				
DESIGN BY:		JK	DATE (YYMMDD):	
DESIGN CHECK:		AB	DATE:	
DRAWN BY:		AJJC	DATE:	
DWG CHECK:		AB	DATE:	
DWG. NO:			25-1512-001	C02.02
REV:			0	



PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR TO REVIEW EXISTING CONCRETE CURB AND GUTTER AND SIDEWALKS WITHIN CONSTRUCTION LIMITS WITH THE CONTRACT ADMINISTRATOR. CONTRACT ADMINISTRATOR WILL DELINEATE ANY ADDITIONAL AREAS FOR SPOT REPAIRS TO BE COMPLETED NOT IDENTIFIED ON DRAWINGS.

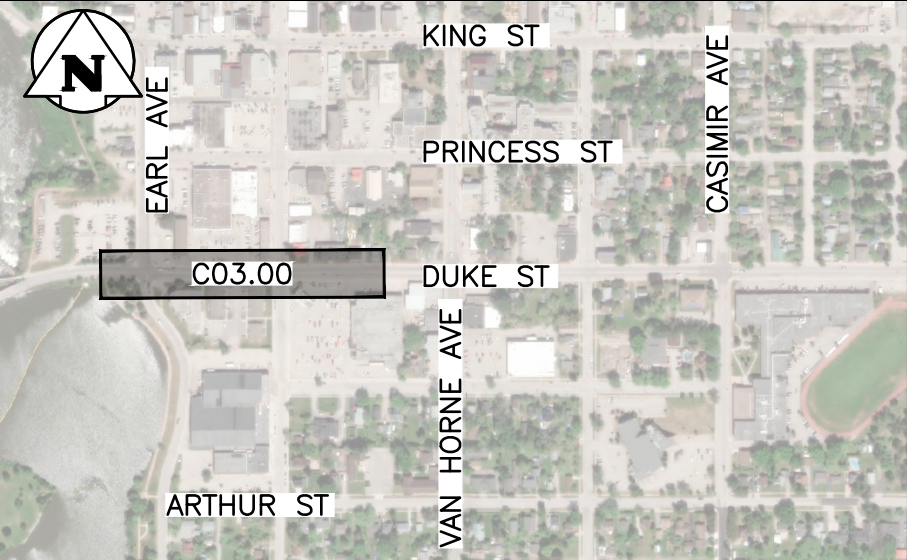


PLAN STA: 3+000 - 3+280
SCALE: 1:500



PROFILE STA: 3+000 - 3+280
SCALE: H 1:500
V 1:50

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION



KEYPLAN: NTS

NOTE:
LOCATION OF UNDERGROUND STRUCTURES 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.

WARNING

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
3. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LEGEND

EXISTING:	PROPOSED:
SANITARY SEWER & MH	SAN ○ --- STM ○
STORM SEWER & MH	STM ○ --- SAN ○
WATERMAIN	---
CATCHBASIN	---
SWALE	---
HYDRO POLE	HP
GUY WIRE	---
STOP / NO PARKING SIGN	---
STREET LIGHT	---
TREES	---
BUSHES	---
FENCE	---
CURBSTOP	---
VALVEBOX	---
FIRE HYDRANT	---
PAVING STONE SW	---
CONCRETE SIDEWALK	---
BUILDING	---
CONCRETE DRIVEWAYS	---
GRAVEL DRIVEWAYS	---
ASPHALT DRIVEWAYS	---
ASPHALT REMOVALS	---
REMOVALS	---
VCP (VITRIFIED CLAY PIPE)	---
CORRUGATED HDPE	---
WORKING POINT	WP#

0	2026/01/26	ISSUED FOR TENDER	DESIGN BY	DESIGN CHECK
NO.	YYMMDD	DESCRIPTION		

REVISIONS / ISSUE

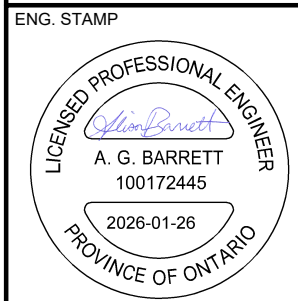
CLIENT:



PROJECT:
**REHABILITATION OF
DUKE STREET**

DWG DESCRIPTION:
**PLAN AND PROFILE
STA 3+000 - 3+280**

AUTHENTICATION FOR
CURRENT REVISION

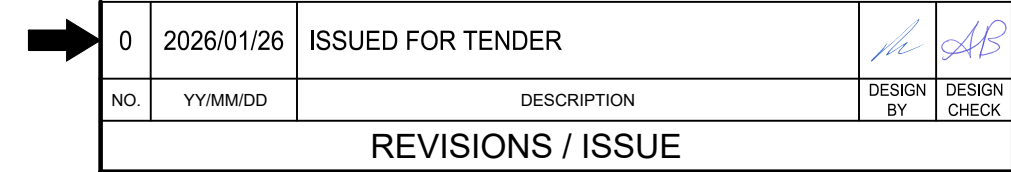


DESIGN BY:	JK	DATE (YYMMDD):	17/05/01
DESIGN CHECK:	AB	DATE:	28/01/26
DRAWN BY:	AJJC	DATE:	16/11/04
DWG CHECK:	AB	DATE:	26/01/26
DWG NO.	25-1512-001	C03.00	REV: 0



WARNING 1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION. 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. 3. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS.	
METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES	

<u>EXISTING:</u>		<u>PROPOSED:</u>
SANITARY SEWER & MH	--- SAN ○	--- -STM ○
STORM SEWER & MH	--- STM ○	--- -SAN ○
WATERMAIN	_____	_____
CATCHBASIN		
SWALE	—————>—————	
HYDRO POLE		
GUY WIRE		
STOP / NO PARKING SIGN		
STREET LIGHT		
TREES		
BUSHES		
FENCE	_____	
CURBSTOP		
VALVEBOX		
FIRE HYDRANT		
PAVING STONE SW		
CONCRETE SIDEWALK		
BUILDING		
CONCRETE DRIVEWAYS		
GRAVEL DRIVEWAYS		
ASPHALT DRIVEWAYS		
ASPHALT REMOVALS		
REMOVALS		
VCP (VITRIFIED CLAY PIPE)		
CORRUGATED HDPE		



AUTHENTICATION FOR
CURRENT REVISION

ENG. STAMP

LICENSED PROFESSIONAL ENGINEER

A. G. Barrett

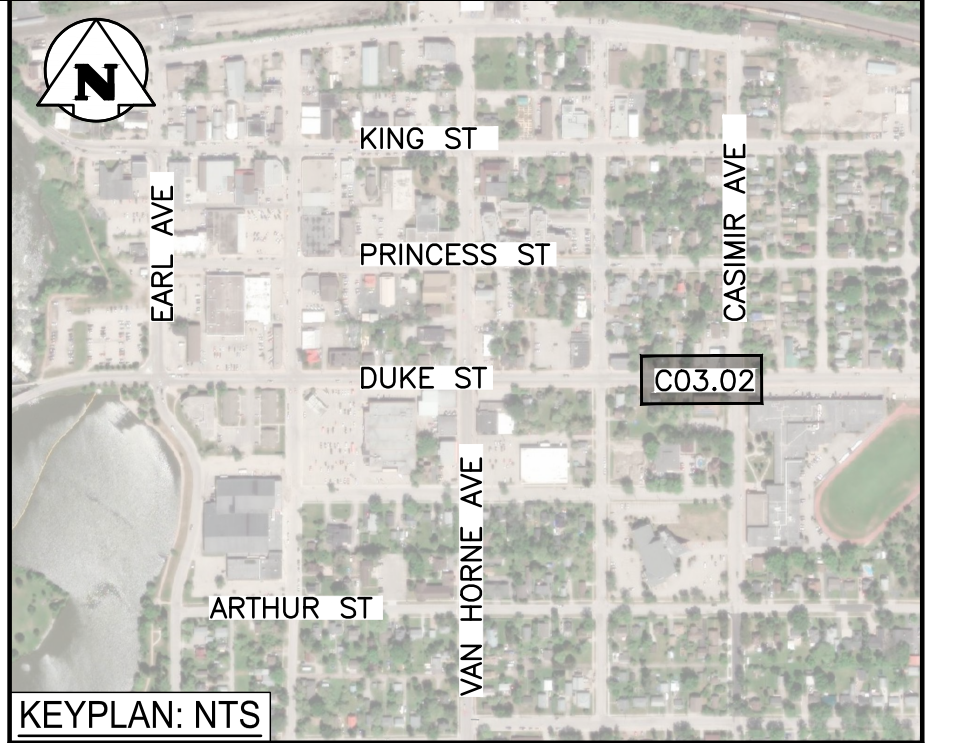
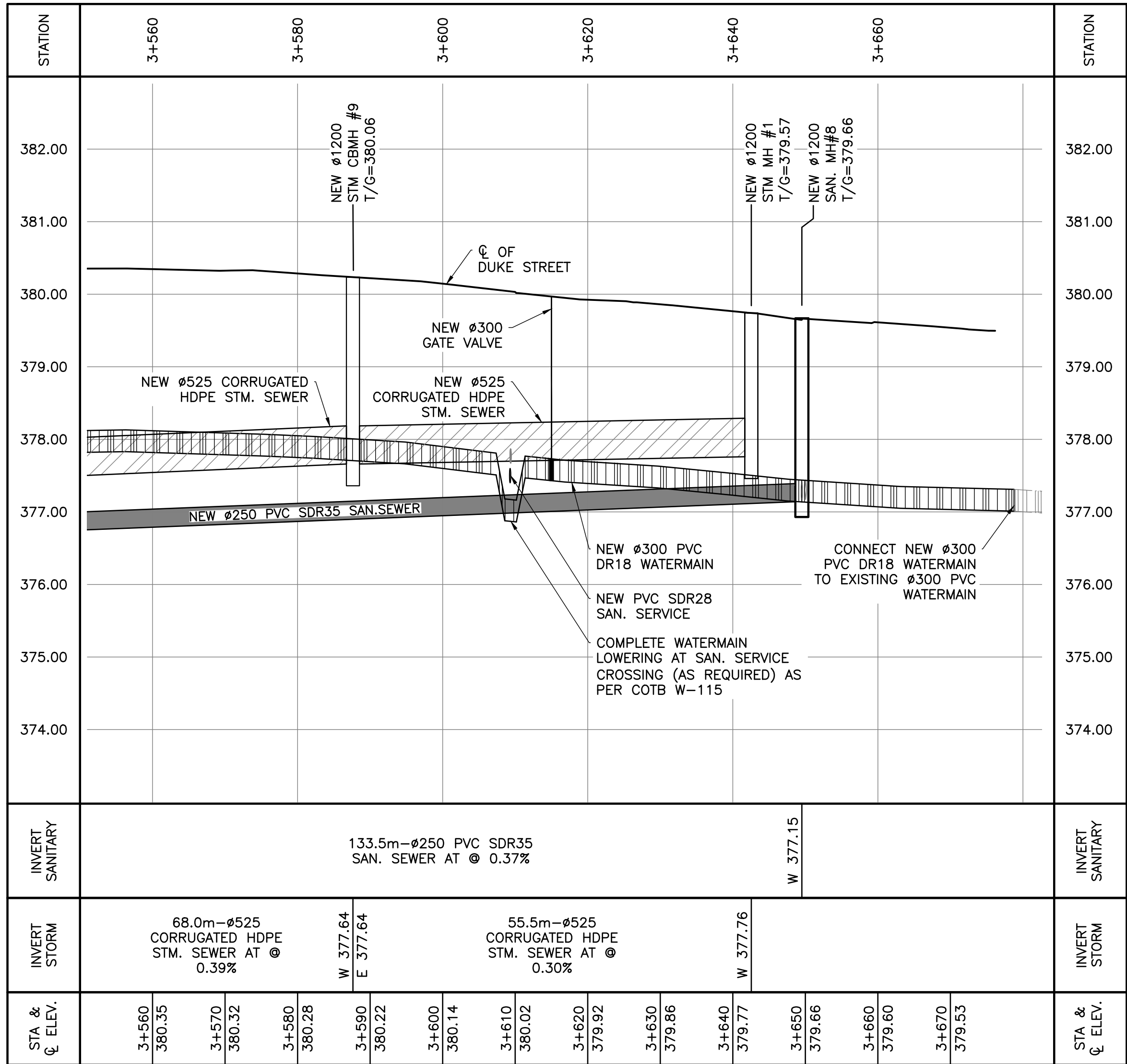
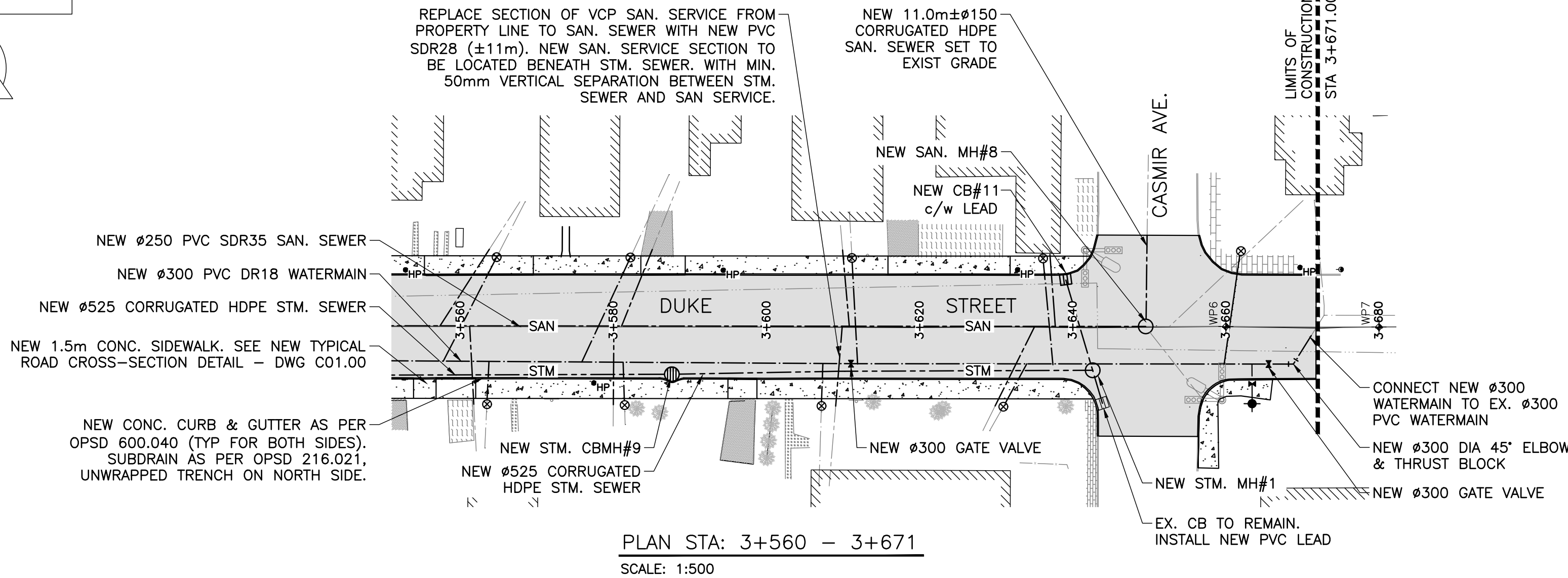
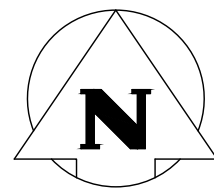
A. G. BARRETT
100172445

2026-01-26

PROVINCE OF ONTARIO

	DESIGN BY:	DATE: (YY/MM/DD)
	JK	17/05/01
	DESIGN CHECK:	DATE:
	AP	26/01/26
	DRAWN BY:	DATE:
AJJC	16/11/04	
DWG CHECK:	DATE:	
AP	26/01/26	
DWG. NO.		REV:
25-1512-001 C03.01		0

PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR TO REVIEW EXISTING CONCRETE CURB AND GUTTER AND SIDEWALKS WITHIN CONSTRUCTION LIMITS WITH THE CONTRACT ADMINISTRATOR. CONTRACT ADMINISTRATOR WILL DELINEATE ANY ADDITIONAL AREAS FOR SPOT REPAIRS TO BE COMPLETED NOT IDENTIFIED ON DRAWINGS.



KEYPLAN: NTS

NOTE:
LOCATION OF UNDERGROUND STRUCTURES 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.

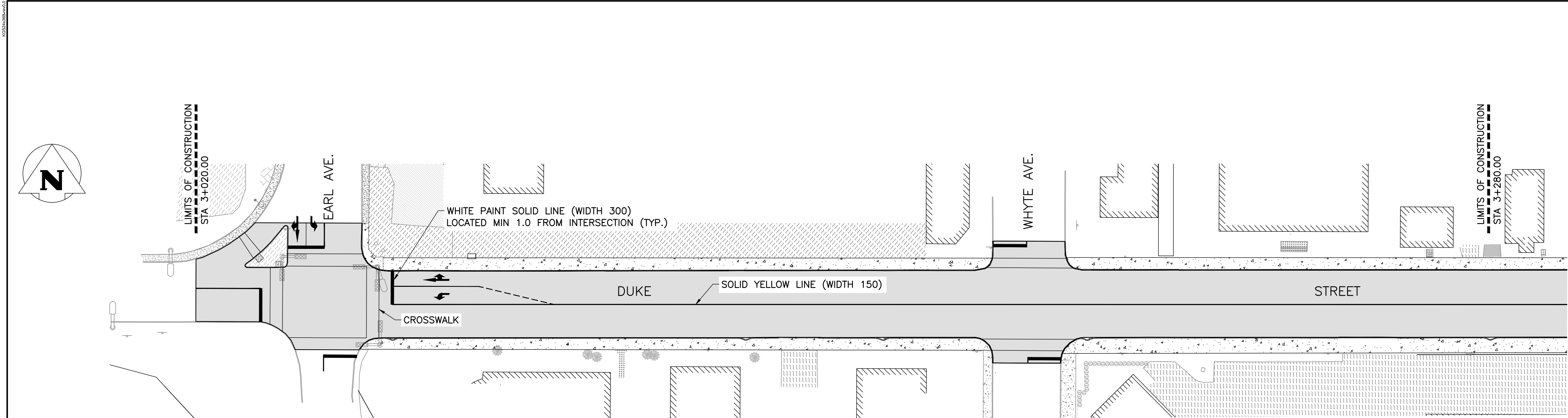
- WARNING**
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 3. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS.

METRIC

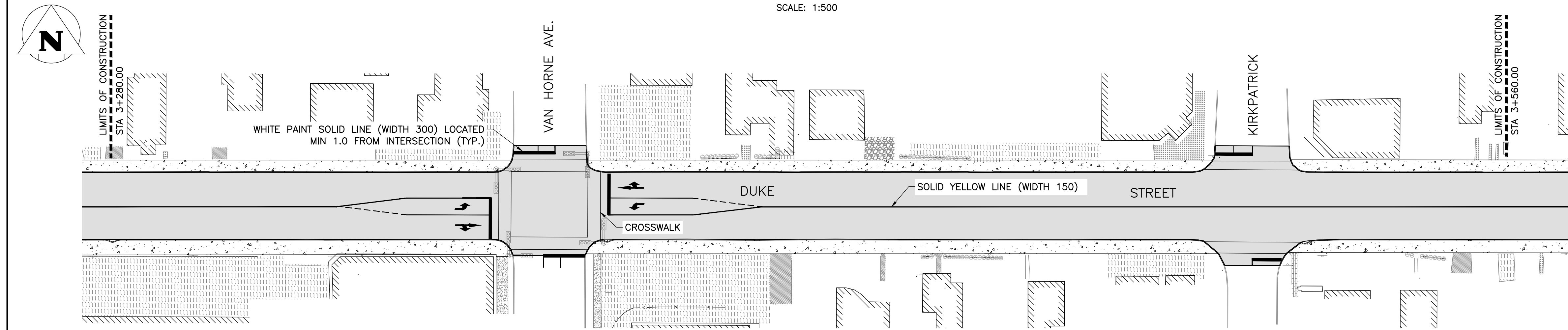
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LEGEND	
EXISTING:	PROPOSED:
SANITARY SEWER & MH	SAN ○ --- STM ○
STORM SEWER & MH	STM ○ --- SAN ○
WATERMAIN	---
CATCHBASIN	⊠
SWALE	---
HYDRO POLE	HP
GUY WIRE	+
STOP / NO PARKING SIGN	+
STREET LIGHT	+
TREES	+
BUSHES	+
FENCE	---
CURBSTOP	⊗
VALVEBOX	×
FIRE HYDRANT	+
PAVING STONE SW	⊠
CONCRETE SIDEWALK	⊠
BUILDING	⊠
CONCRETE DRIVEWAYS	⊠
GRAVEL DRIVEWAYS	⊠
ASPHALT DRIVEWAYS	⊠
ASPHALT REMOVALS	⊠
REMOVALS	⊠
VCP (VITRIFIED CLAY PIPE)	⊠
CORRUGATED HDPE	⊠

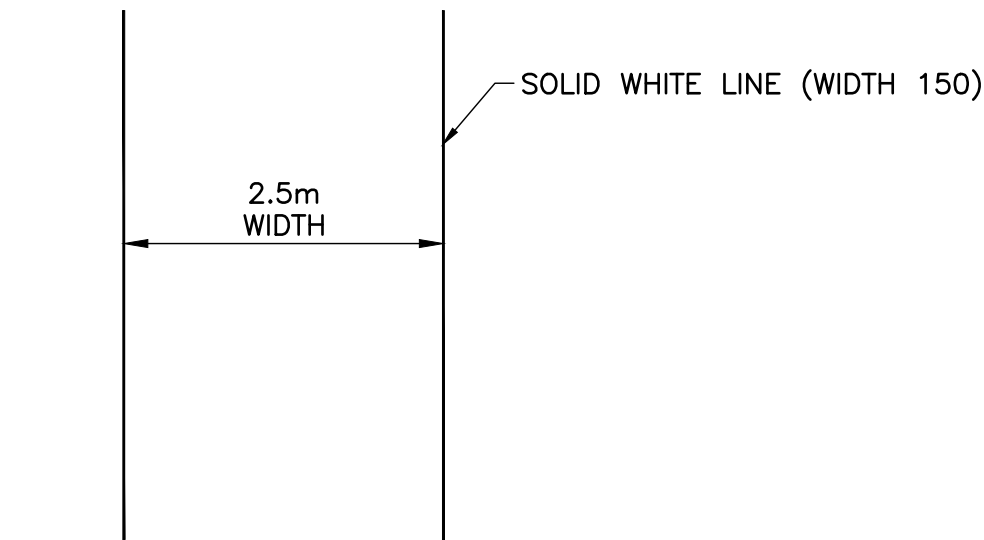
0	2026/01/26	ISSUED FOR TENDER	DESIGN BY: JK	DATE (YYMMDD): 17/05/01
NO.	YYMMDD	DESCRIPTION	DESIGN BY: JK	DATE: 28/01/26
REVISIONS / ISSUE				
CLIENT: DRYDEN				
PROJECT: REHABILITATION OF DUKE STREET				
DWG DESCRIPTION: PLAN AND PROFILE STA 3+560 - 3+671				
AUTHENTICATION FOR CURRENT REVISION				
ENG. STAMP: A. G. BARRETT 100172445 2026-01-26 PROVINCE OF ONTARIO				
KGS GROUP				
DESIGN CHECK: AJC DATE: 16/11/04				
DRAWN BY: AJC DATE: 26/01/26				
DWG CHECK: AJC DATE: 26/01/26				
DWG. NO: 25-1512-001			C03.02	
REV: 0				



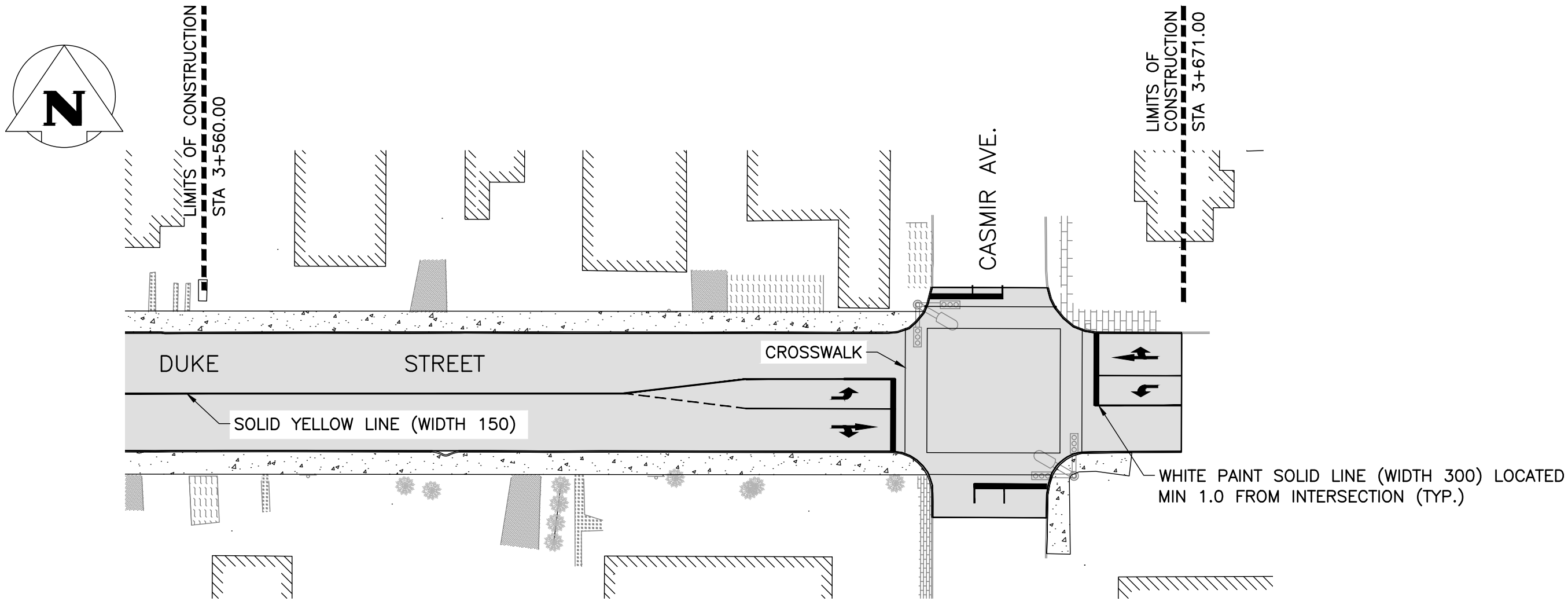
LINE PAINTING STA: 3+000 - 3+280
SCALE: 1:500



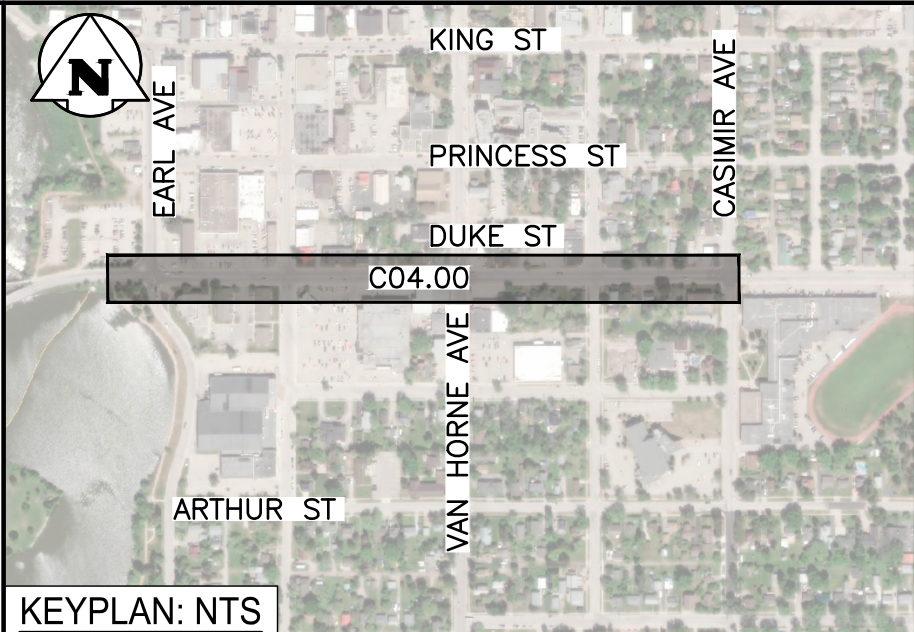
LINE PAINTING STA: 3+280 - 3+560
SCALE: 1:500



CROSSWALK DETAIL (TYP.)
SCALE: 1:500



LINE PAINTING STA: 3+560 - 3+671
SCALE: 1:500



KEYPLAN: NTS

NOTE:
LOCATION OF UNDERGROUND STRUCTURES 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.

- WARNING**
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 3. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS.

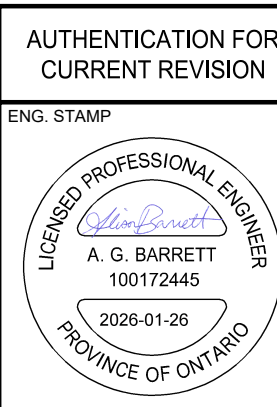
METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LEGEND

- LINE PAINTING
- NEW ASPHALT
- STOP / NO PARKING SIGN
- STREET LIGHT
- TREES
- BUSHES
- PAVING STONE SW
- CONCRETE SIDEWALK
- BUILDING
- CONCRETE DRIVEWAYS
- GRAVEL DRIVEWAYS
- ASPHALT DRIVEWAYS

0	2026/01/26	ISSUED FOR TENDER	AB	AB
NO.	YYMMDD	DESCRIPTION	DESIGN BY	DESIGN CHECK
REVISIONS / ISSUE				
CLIENT:				
				
PROJECT:				
REHABILITATION OF DUKE STREET				
DWG. DESCRIPTION:				
LINE PAINTING				
AUTHENTICATION FOR CURRENT REVISION		DESIGN BY:	JK	DATE (YYMMDD): 17/05/01
ENG. STAMP		DESIGN CHECK:	AB	DATE: 28/01/26
DRAWN BY:		AJJC	DATE: 16/11/04	
DWG. CHECK:		AB	DATE: 26/01/26	
DWG. NO.		25-1512-001	C04.00	REV: 0



KGS GROUP