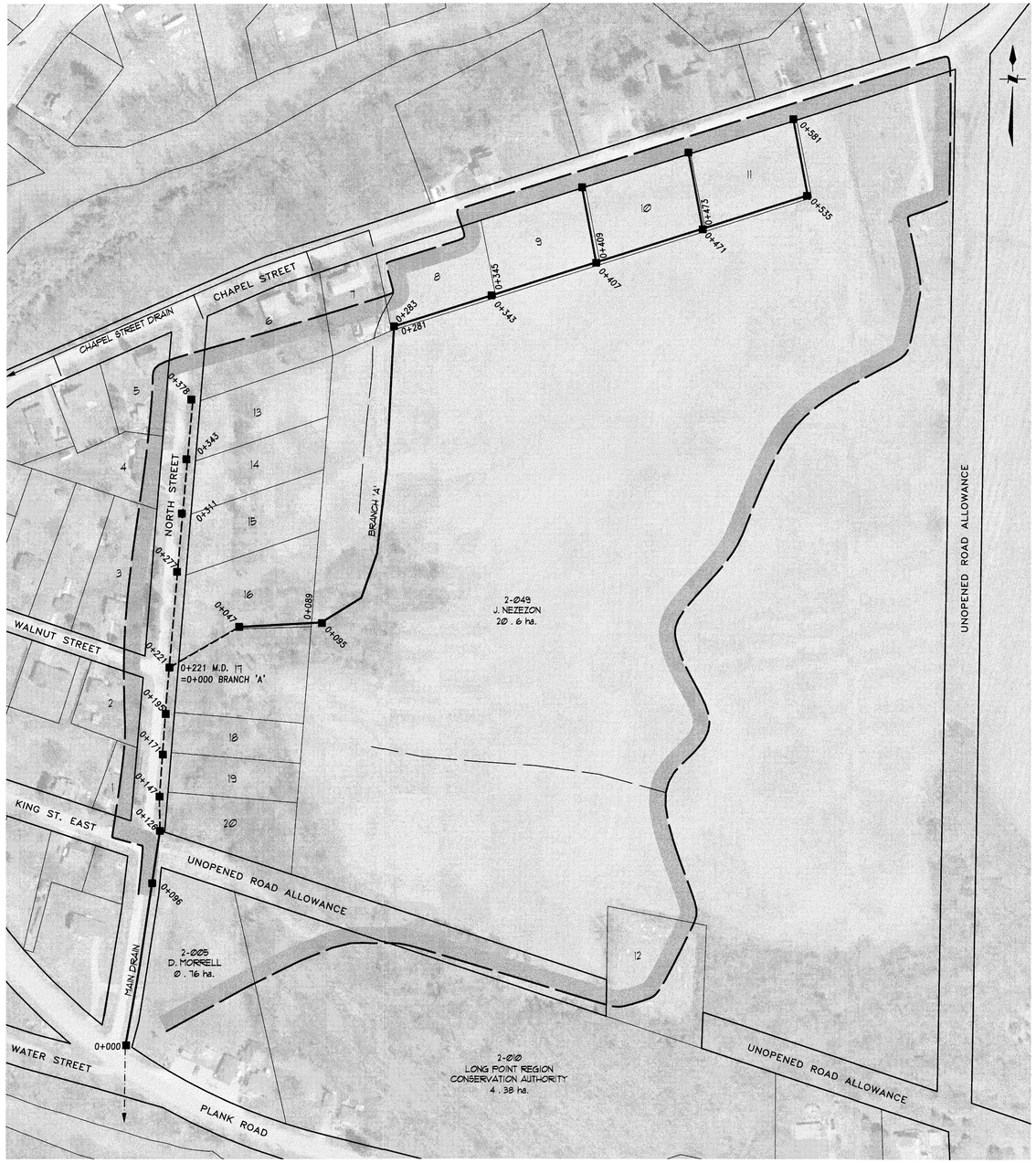
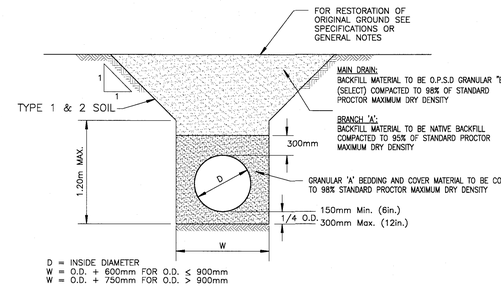


PLAN SCALE 1:1,500



BEDDING DETAIL FOR ALL PROPOSED SEWERS

N.T.S.

PLAN LEGEND

- LIMIT OF WATERSHED AREA
- PROPOSED DRAINAGE WORKS
- EXTERIOR OR INTERIOR WATERSHED
- TO BE INCLUDED FOR FUTURE MAINTENANCE (DONE BY OTHERS)
- EXIST. MUNICIPAL DRAIN
- TO BE INCORPORATED INTO MUNICIPAL DRAIN
- PRIVATE TILE OR SURFACE WATER RUN
- EXIST. WATERCOURSE OR PRIVATE DITCH

10 - 029 ASSESSMENT ROLL NUMBER
J. SMITH OWNERS NAME
40 . 5 ha. HECTARES OWNED

LOT LEGEND

ROLL No.	OWNERSHIP	HECTARES OWNED
1) 1-223-06	R. WALL	0.10
2) 1-238	M. TILLOTSON	0.15
3) 1-230	G. WIEBE	0.29
4) 1-246-01	H. REDECOP	0.21
5) 1-246	H. CLARK	0.18
6) 1-247	P. PACE	0.36
7) 1-248	C. & S. LONGSTAFF	0.15
8) 2-049-Part 1	J. NEZEZON	0.29
9) 2-049-Part 2	J. NEZEZON	0.29
10) 2-049-Part 3	J. NEZEZON	0.29
11) 2-049-Part 4	J. NEZEZON	0.30
12) 2-009	EDISON CEMETERY	0.20
13) 2-049-20-Part 1	H. REDECOP	0.25
14) 2-049-20-Part 2	H. REDECOP	0.25
15) 2-049-20-Part 3	H. REDECOP	0.28
16) 2-049-20-Part 4	H. REDECOP	0.36
17) 2-049-20-Part 5	H. REDECOP	0.36
18) 2-049-20-Part 6	H. REDECOP	0.18
19) 2-049-20-Part 7	H. REDECOP	0.18
20) 2-049-20-Part 8	H. REDECOP	0.24

GENERAL NOTES

1/ OUR SPECIFICATIONS DATED JANUARY 2010 APPLY TO THIS PROJECT.

2/ THE WORKING WIDTH AVAILABLE TO THE CONTRACTOR TO CONSTRUCT THE NEW DRAINS SHALL CONSIST OF THOSE LANDS IMMEDIATELY ADJACENT TO THE DRAIN AND CONNECTIONS AND SHALL NOT EXCEED THE FOLLOWING AVERAGE WIDTHS .

CLOSED PORTIONS - 20 meters
CLOSED PORTIONS (THROUGH BUSH) - 30 meters (CENTERED ON THE DRAIN)
THE WORKING WIDTH FOR PURPOSES OF FUTURE MAINTENANCE SHALL BE THE SAME AS ABOVE EXCEPT FOR CLOSED PORTIONS (NOT THROUGH BUSH) SHALL BE 10m.

3/ ALL OWNERS ALONG THE COURSE OF THE DRAIN SHALL MAKE AN ACCESS ROUTE FROM THE NEAREST ROAD TO THE DRAIN LOCATION AVAILABLE TO THE CONTRACTOR THE AVERAGE WIDTH OF THIS ROUTE SHALL NOT EXCEED 8 METERS . THE ACCESS ROUTE SHALL ALSO APPLY FOR FUTURE MAINTENANCE PURPOSES .

4/ a) ALL UTILITIES TO BE LOCATED AND EXPOSED PRIOR TO CONSTRUCTION SO THAT THE NEW TILE GRADES CAN BE CONFIRMED. IF THERE IS A CONFLICT IN ELEVATION BETWEEN THE PROPOSED DRAIN AND THE UTILITY, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.
b) CONTRACTOR TO NOTIFY ALL UTILITIES 72 HOURS PRIOR TO HIS SCHEDULED TIME FOR STARTING THE ABOVE WORK.
c) THE COST FOR THIS WORK SHALL BE INCLUDED IN THE ITEM ON THE EXTENT OF WORK AND NO EXTRA PAYMENT SHALL BE MADE TO THE CONTRACTOR, EXCEPT IF ROAD RESTORATION IS REQUIRED.

5/ ALL TREES , SCRUB , BRUSH , ETC. TO BE CLEARED AND GRUBBED IN ACCORDANCE WITH "SECTION B. 3 AND C. 4" SPECIFICATIONS .

6/ RIP-RAP TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH "SECTION A. 12" IN THE SPECIFICATIONS.

7/ LAWN AREAS TO RESTORED WITH GRASS SEED IN ACCORDANCE WITH "SECTIONS A .14 SUBSECTIONS 1, 2 & 4 " IN THE SPECIFICATION WITH THE FOLLOWING APPLICATION RATES:

PRIMARY SEED *(100 kg/ha.)*	55% CREEPING RED FESCUE 27% KENTUCKY BLUE GRASS 15% PERENNIAL RYEGRASS 3% WHITE CLOVER
NURSE CROP *(40 kg/ha*	ITALIAN (ANNUAL) RYEGRASS
FERTILIZER *(300 kg/ha)*	8 - 32 - 16

8/ CONTRACTOR TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER , DRAINAGE SUPERINTENDENT , AND THE AFFECTED OWNERS . ALL PARTIES SHALL RECEIVE 48 HOURS NOTICE TO THE MEETING .

CLOSED PORTIONS

9/ SEWER PIPE TO BE CONCRETE, H. D. P. E. PLASTIC 320 KPA (BELL & SPIGOT WITH RUBBER GASKETS CONFORMING TO C.S.A. 1016-08) , PVC ULTRA RIB OR PVC SDR 35

10/ EXISTING TILE DRAINS TO BE EXPOSED IN AS MANY LOCATIONS AS ARE NECESSARY TO CONFIRM THEIR EXACT LOCATION AND ELEVATION PRIOR TO CONSTRUCTION . EXACT LOCATION OF NEW TILE DRAINS THEN TO BE CONFIRMED BY DRAINAGE SUPERINTENDENT OR ENGINEER .

11/ a) INSTALLATION OF TILE AND TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH "SECTION C - TILE DRAIN" IN THE SPECIFICATIONS .
b) ALL CONCRETE TILE AND TILE-PIPE JOINTS TO BE WRAPPED WITH GEOTEXTILE IN ACCORDANCE WITH "SECTION C. 8 " IN THE SPECIFICATIONS.
c) NO CONSTRUCTION EQUIPMENT OR FARM MACHINERY SHALL CROSS OVER THE MOUNDED BACKFILLED TILE TRENCHES UNTIL SUFFICIENT SETTLEMENT HAS OCCURRED .
d) STRIP AND STOCKPILE TOPSOIL FROM CONSTRUCTION AREA *(4 metre width)* FOR ENTIRE LENGTH OF NEW DRAIN (EXCEPT LANEWAYS & ROADS). EXCESS SPOIL TO BE LEVELLED AND TOPSOIL RELEVELLED OVER SPOIL, MOUNDED TRENCH AND REMAINING CONSTRUCTION AREA.

12/ a) THE CONTRACTOR SHALL ENSURE THAT ALL TRIBUTARY DRAINS ARE CONNECTED DURING TIME OF CONSTRUCTION . ANY MISSED TILE CONNECTIONS THAT ARE FOUND DURING THE WARRANTY PERIOD OF THE CONTRACT SHALL BE COMPLETED BY THE CONTRACTOR AND SHALL BE PAID THE AMOUNT SET OUT ON PAGE 2 OF THE " FORM OF TENDER" . NO ADDITIONAL PAYMENT FOR MOBILIZATION WILL BE ALLOWED. THE CONTRACTOR IS NOT RESPONSIBLE FOR COMPLETING MISSED TILE CONNECTIONS THAT ARE FOUND AFTER THE WARRANTY PERIOD FOR THE CONTRACT HAS EXPIRED.
b) ALL TILE CONNECTIONS TO BE MADE WITH CORING MACHINE AND PLASTIC ADAPTOR OR PREFABRICATED FITTINGS.
c) THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A LIST SHOWING STATIONS OF ALL TILE CONNECTIONS UPON COMPLETION OF CONSTRUCTION.

NORTH STREET DRAIN

Municipality of Bayham

Drainage Superintendent:
STEVE ADAMS
519 - 866 - 5521

No.	REVISIONS	DATE

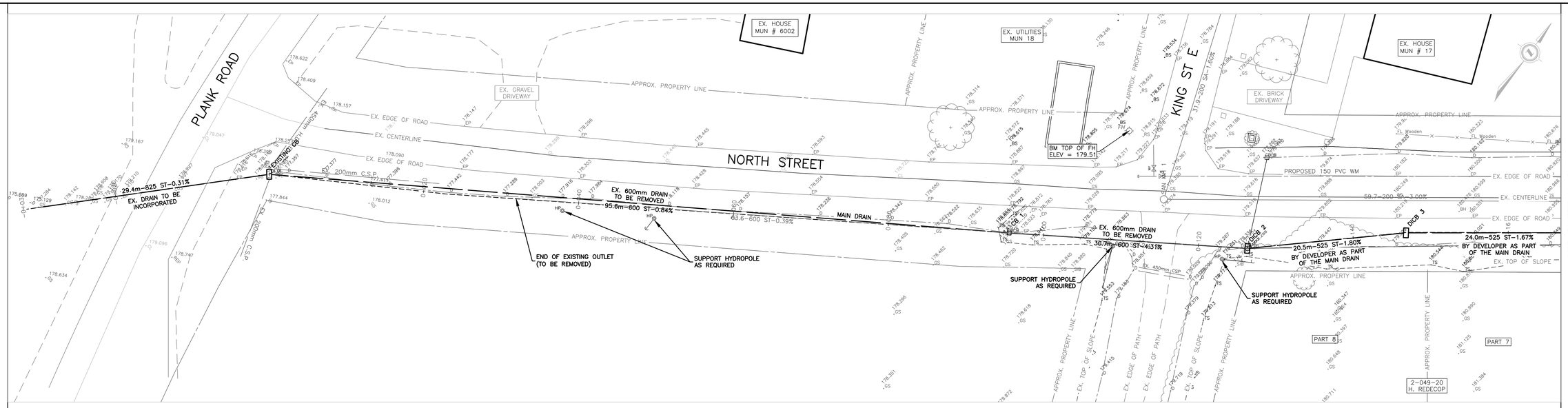
LICENSED PROFESSIONAL ENGINEER — J. M. C. SPRIET — PROVINCE OF ONTARIO

Drawn By: MM	Field Book	JOB No.	Drawing No.
Date: SEPT. 20, 2024	T.S. / CJDL	224032	1 of 5

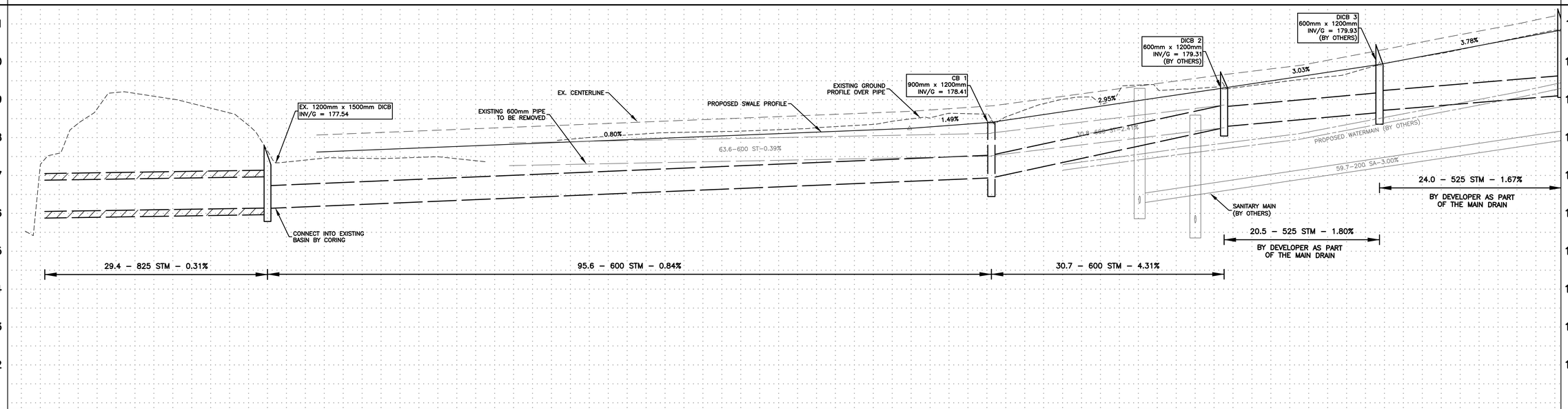
PLAN, DETAILS & NOTES

SPRIET ASSOCIATES
LONDON LIMITED
CONSULTING ENGINEERS
155 YORK STREET —LONDON (519) 672-4100—N6A 1A8

BEGINNING OF MAIN DRAIN PROFILE



SEE SHEET No.2



S. ROAD ELEV.										178.21			178.41			178.61			178.95			179.63			180.43		
SWALE ELEV.									177.62									178.24	178.40			179.31			179.93		180.84
STORM INVERT		176.05				176.14	176.13												176.94	176.94		178.26	178.29		178.66	178.71	179.11
STATION			-0+025			0+000		0+006.5		0+025			0+050			0+075		0+084.8	0+095.6	0+100		0+125	0+126.3		0+146.8	0+150	0+170.9

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION

DETAILS	
DESIGN	MM
DRAWN BY	MM
CHECKED	JMS
APPROVED	JMS
DATE	SEPT. 20, 2024

224032

No.	REVISIONS	DATE	CONSULTANT

CONSULTANT OR DIVISION

SPRIET ASSOCIATES
LONDON LIMITED
CONSULTING ENGINEERS
155 YORK STREET -- LONDON (519) 672-4100 -- N6A 1A8

LICENSED PROFESSIONAL ENGINEER
J. M. C. SPRIET
PROVINCE OF ONTARIO

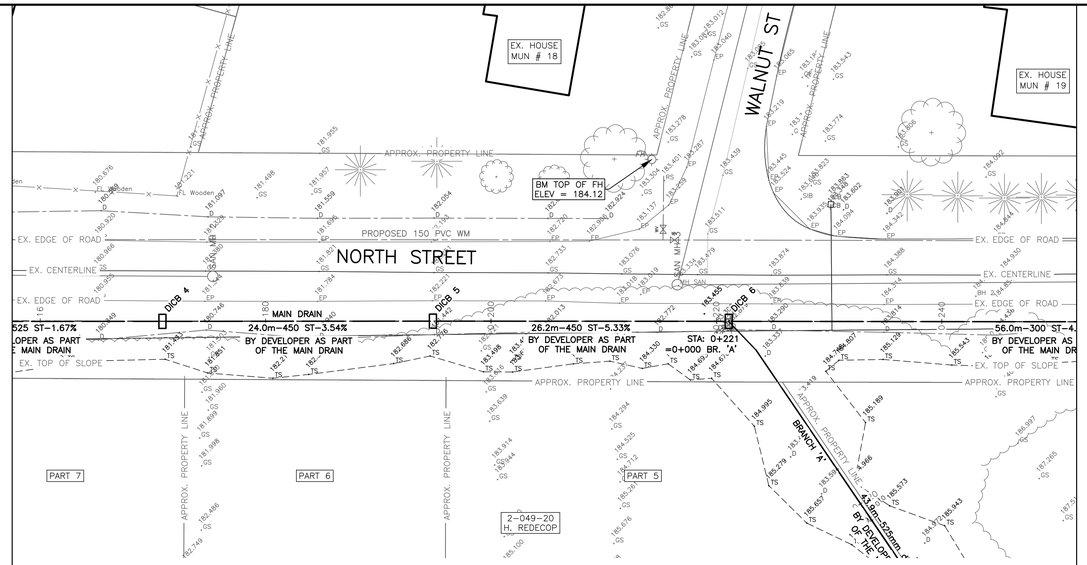
BAYHAM
Opportunity Is Yours

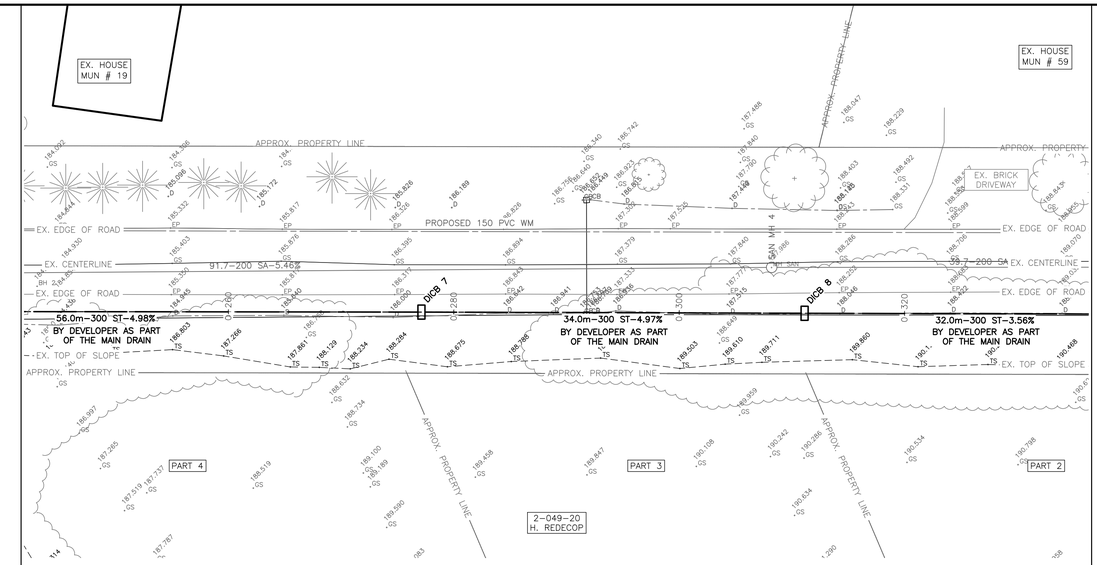
SCALE
HORZ. 1:250
VERT. 1:50
2.5m 0 5.0m HORIZONTAL
0.5 0 1m VERTICAL

TITLE
NORTH STREET DRAIN
MAIN DRAIN PROFILE
STA: -0+032 - 0+170

PROJECT No. 224032
SHEET No. 2
PLAN FILE No.

SEE SHEET No.1





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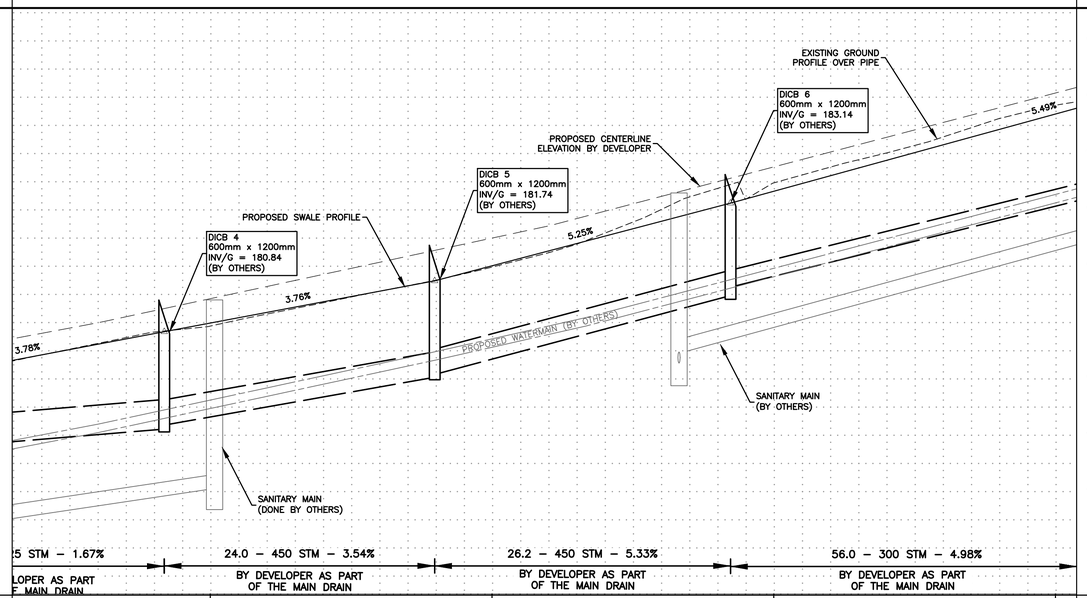
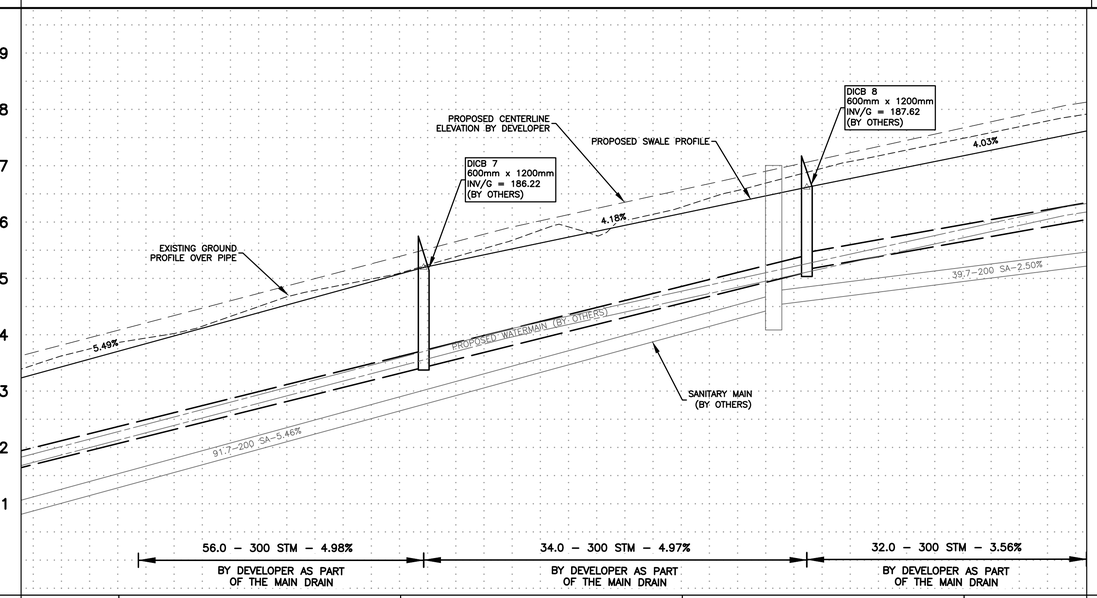
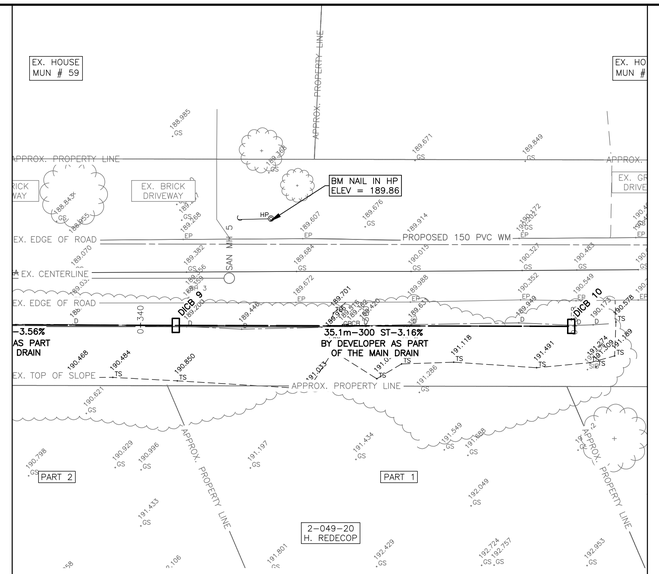




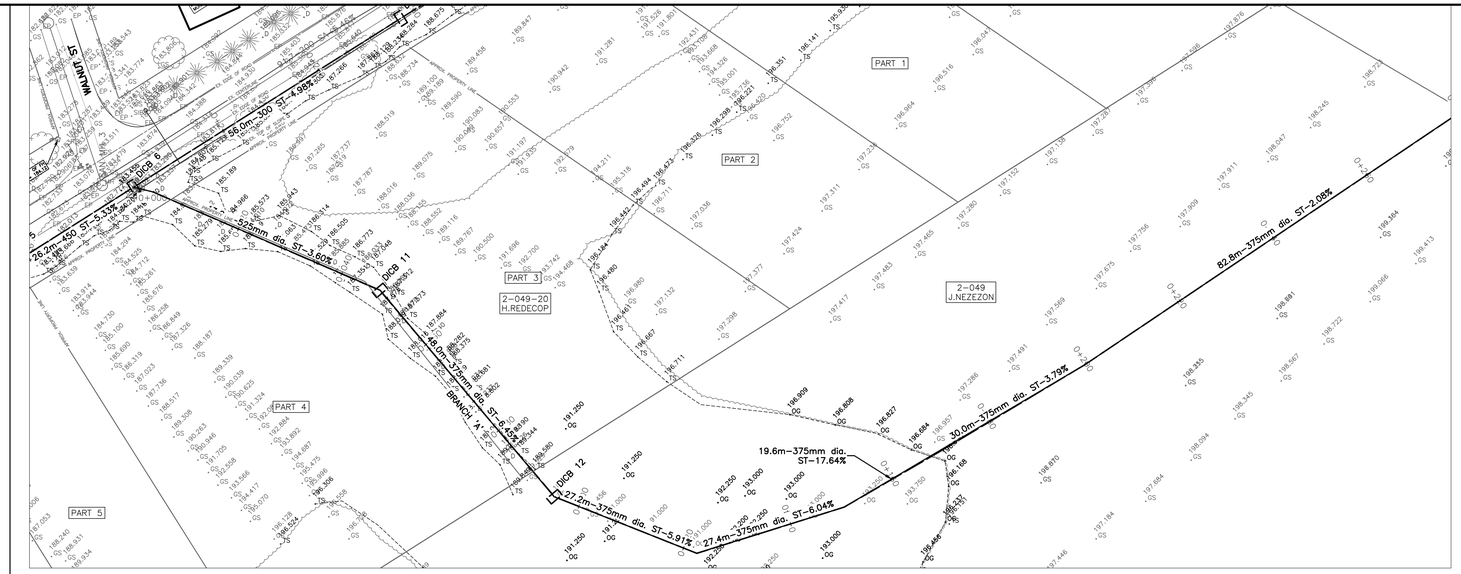
| | | |

SEE SHEET No.2



END OF MAIN DRAIN PROFILE

BEGINNING OF BRANCH 'A' PROFILE



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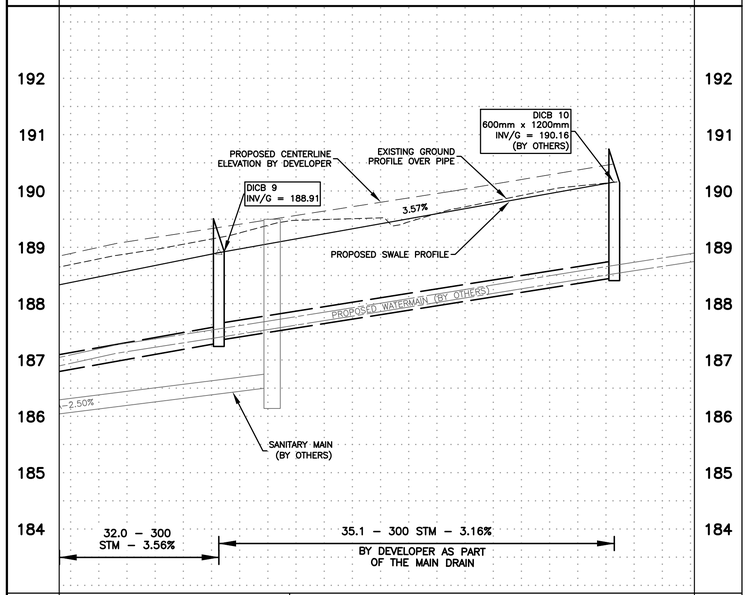
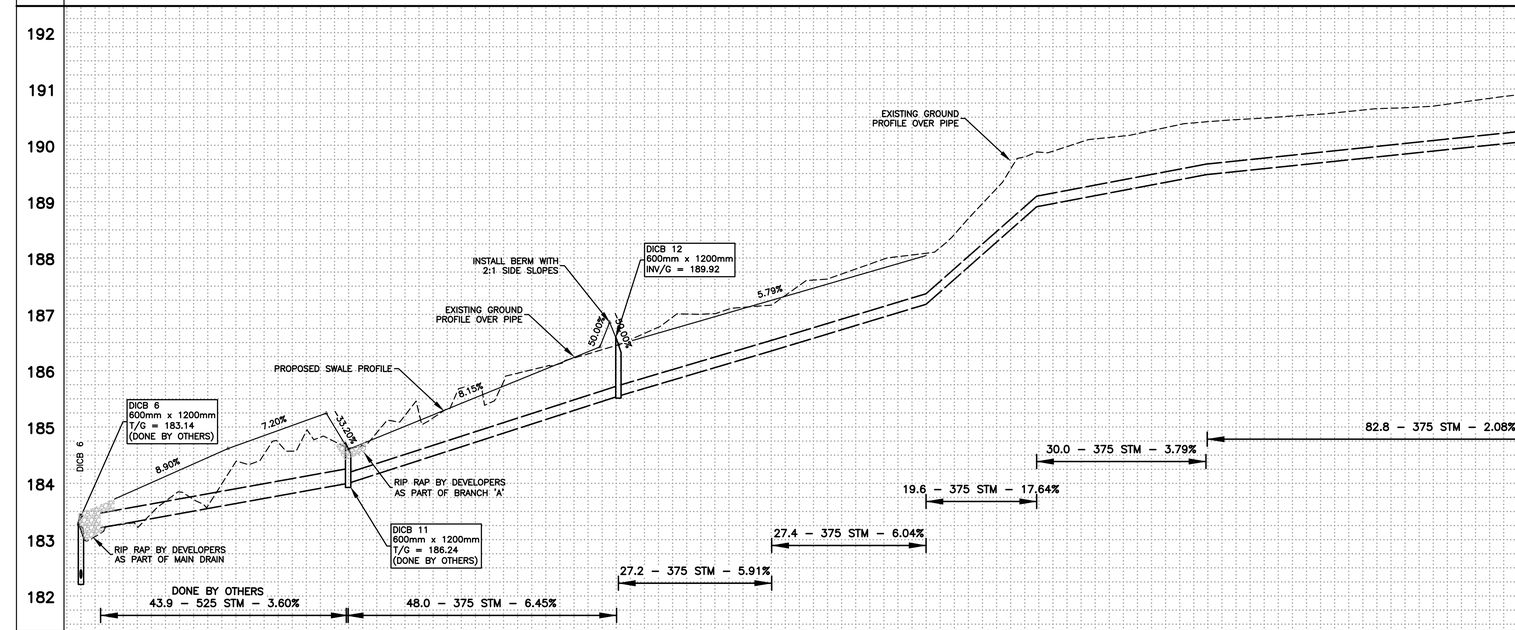




S ROAD ELEV.					189.57																							S ROAD ELEV.
SWALE ELEV.				188.91									190.16															SWALE ELEV.
STORM INVERT				187.30 187.35									188.46															STORM INVERT
STATION				0+343.1		0+350							0+375		0+378.2													STATION

S ROAD ELEV.																												S ROAD ELEV.
SWALE ELEV.		184.44				186.23			187.49	186.20					189.84 190.72 189.93				193.09									SWALE ELEV.
STORM INVERT		183.42							185.00	185.00					188.10	188.10			189.70 189.70		191.36 191.36		194.82 194.82			195.96 195.96		STORM INVERT
STATION	0+000	0+006.0		0+025 0+026.1				0+043.5	0+047.4	0+050		0+075			0+092.1 0+093.8 0+095.4	0+100		0+125		0+150.0		0+175		0+200		0+225		0+250 STATION

EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION

DETAILS	
DESIGN	MM
DRAWN BY	MM
CHECKED	JMS
APPROVED	JMS
DATE	SEPT. 20, 2024
224032	

No.	REVISIONS	DATE	CONSULTANT

CONSULTANT OR DIVISION

SPRIET ASSOCIATES
LONDON LIMITED
CONSULTING ENGINEERS
155 YORK STREET -- LONDON (519) 672-4100 -- N6A 1A8

LICENSED PROFESSIONAL ENGINEER
J. M. C. SPRIET
PROVINCE OF ONTARIO

BAYHAM
Opportunity Is Yours

MAIN DRAIN SCALE
HORZ. 1:250 VERT. 1:50
2.5m 0 5.0m
HORIZONTAL 0.5 0 1m
VERTICAL

BRANCH 'A' SCALE
HORZ. 1:500 VERT. 1:100
5.0m 0 10.0m
HORIZONTAL 1.0 0 2m
VERTICAL

TITLE

NORTH STREET DRAIN

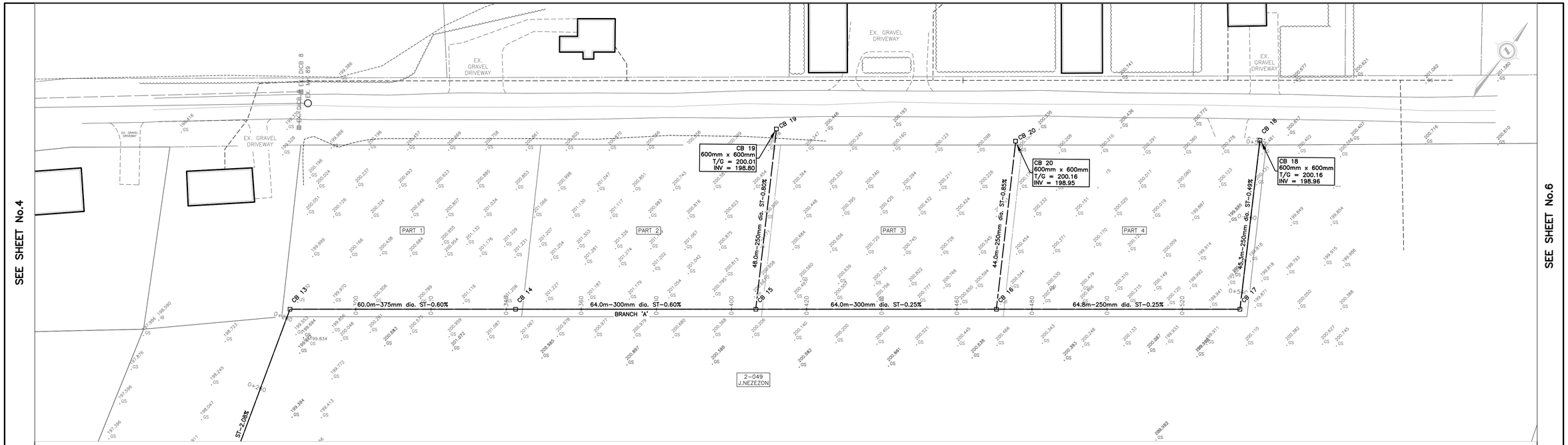
MAIN DRAIN/BRANCH PROFILE

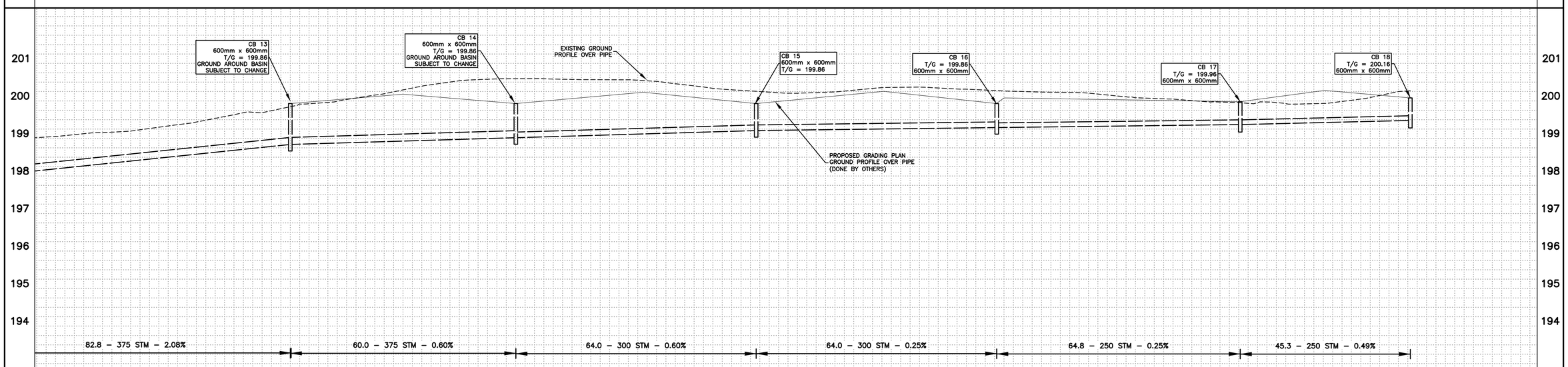
STA: 0+340 – 0+378
STA: 0+000 – 0+225

PROJECT No. 224032

SHEET No. 4

PLAN FILE No.





EXISTING SERVICES	DRAWING #, SOURCE	DATE	AS CONSTRUCTED SERVICES	COMPLETION

DETAILS	
DESIGN	MM
DRAWN BY	MM
CHECKED	JMS
APPROVED	JMS
DATE	SEPT. 20, 2024
224032	

No.	REVISIONS	DATE	CONSULTANT

CONSULTANT OR DIVISION

SPRIET ASSOCIATES
LONDON LIMITED
CONSULTING ENGINEERS
155 YORK STREET — LONDON (519) 672-4100 — N6A 1A8

LICENSED PROFESSIONAL ENGINEER
J. M. C. SPRIET
PROVINCE OF ONTARIO

BAYHAM
Opportunity Is Yours

SCALE
HORZ. 1:250
VERT. 1:50
2.5m 0 5.0m HORIZONTAL
0.5 0 1m VERTICAL

TITLE
NORTH STREET DRAIN
BRANCH PROFILE
STA: 0+225 – 0+581

PROJECT No. 224032
SHEET No. 5
PLAN FILE No.