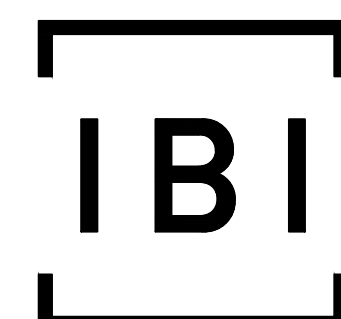


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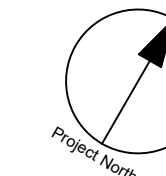


Sheet Number	Sheet Title
000	COVER
001	GENERAL PLAN
010	NOTES LEGEND CB DATA
011	STREET SECTIONS
100	PRIVATE LANE 1
101	PRIVATE LANE 2
200	GRADING PLAN
400	SANITARY DRAINAGE AREA PLAN
500	STORM DRAINAGE AREA PLAN
600	PONDING PLAN
900	SEDIMENT AND EROSION CONTROL PLAN

BARRETT CO-TENANCY

CITY OF OTTAWA

CONTRACT NO. 135925



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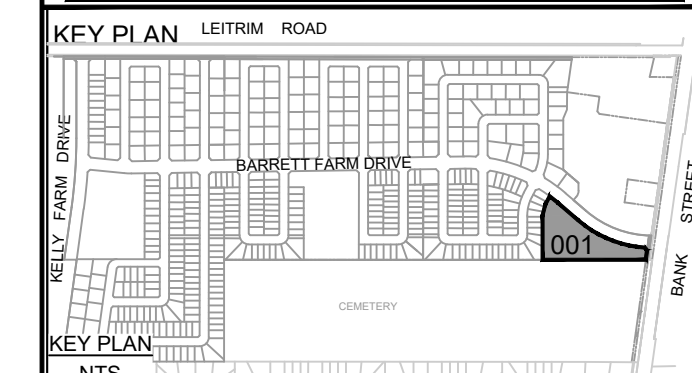
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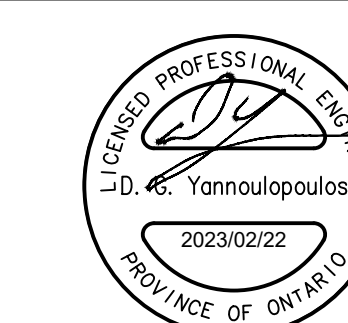
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4	ADD WM CONNECTION AND NOTES	2023-02-22
5		
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SEE 010, 011 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



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PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

DRAWN BY:
M.M.

CHECKED BY:
A.C.

PROJECT MGR:
R.M.

APPROVED BY:
J.I.M.

SHEET TITLE
GENERAL PLAN

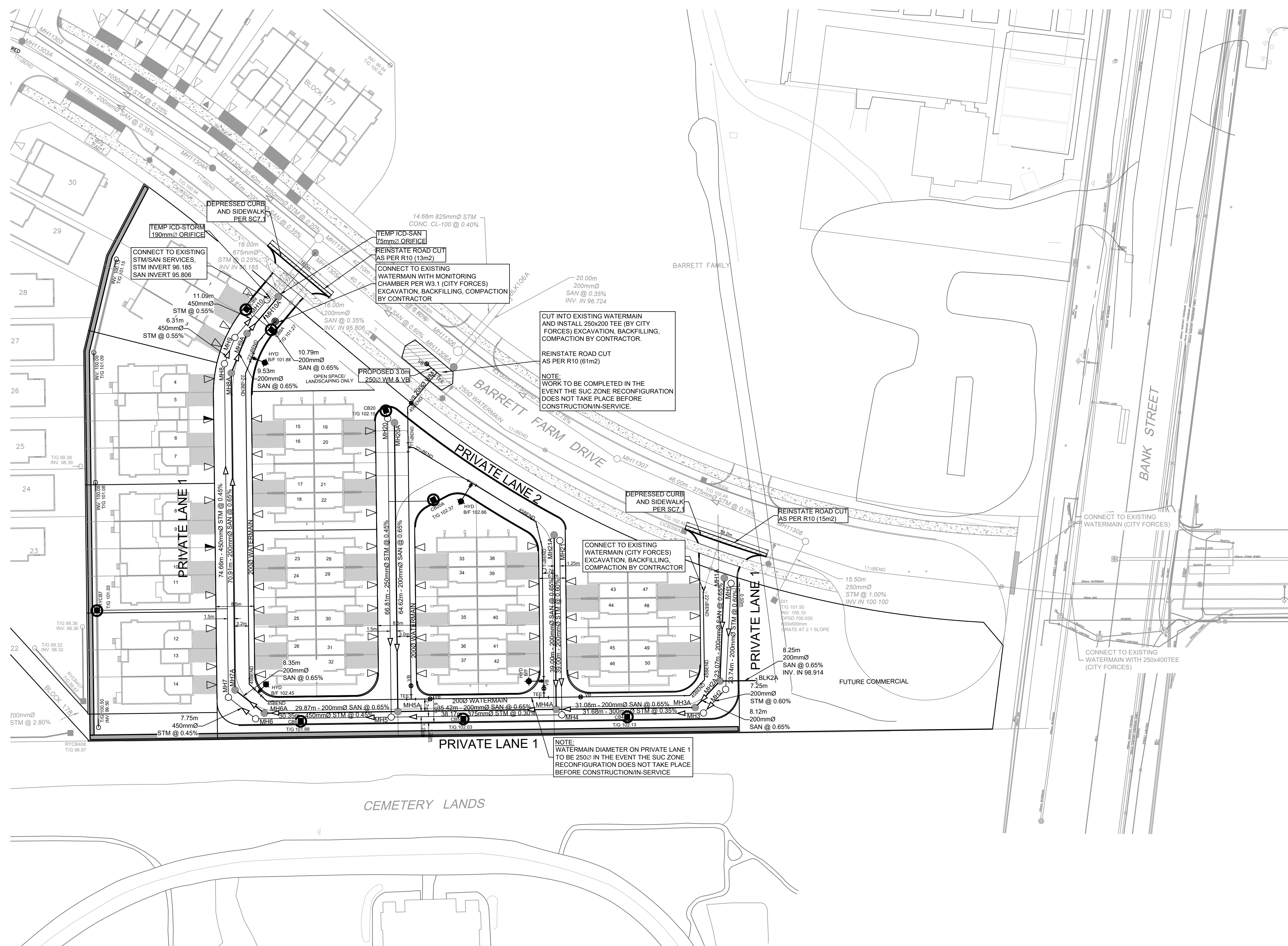
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001

ISSUE

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CITY PLAN No. 18826



CITY FILE No. D07-12-22-0112
Last Saved: February 22, 2023, by rmline - Plotset: Wednesday, February 22, 2023 11:22:02 AM by Marian Milne

GENERAL LEGEND

- LIMIT OF CONSTRUCTION
- PHASING LINE
- BARRIER CURB
- MOUNTABLE CURB
- DEPRESSED BARRIER CURB
- CONCRETE SIDEWALK CONCRETE SIDEWALK
- ASPHALT SIDEWALK TACTILE WALKING SURFACE INDICATOR
- ASPHALT SIDEWALK / PATHWAY
- RUB BUS STOP CONCRETE / ASPHALT

SERVICING LEGEND

- MH118A SANITARY MANHOLE
- 200mm SAN SANITARY SEWER
- MH109 MH118 STORM MANHOLE
- 825mm STM STORM SEWER - LESS THAN 9000
- 900mm STM STORM SEWER - 9000 AND GREATER
- 2000 WATERMAIN WATERMAIN
- CS100 STREET CATCHBASIN C/W TOP OF GRATE
- OCB101 CURB INLET CATCHBASIN C/W GUTTER GRADE
- GIG 104.25 DCB100 DOUBLE CATCHBASIN C/W TOP OF GRATE
- DCCB101 DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE
- GIG 104.25 D101 DITCH INLET MANHOLE C/W TOP OF GRATE
- CBM101 CATCHBASIN MANHOLE C/W TOP OF GRATE
- CB101 CATCHBASIN WITH INLET CONTROL DEVICE
- RYCB TIG 104.35 REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE
- TIG 104.35 REAR YARD "TEE" CATCHBASIN (3000) C/W TOP OF GRATE AND INVERT OUT
- TIG 104.50 REAR YARD "END" CATCHBASIN (3000) C/W TOP OF GRATE AND INVERT OUT
- TIG 104.35 REAR YARD "CUSTOM ANGLED" CATCHBASIN (4500) C/W TOP OF GRATE AND INVERT OUT
- TIG 104.35 REAR YARD "THREE WAY" CATCHBASIN (4500) C/W TOP OF GRATE AND INVERT OUT
- 300mm CSP PERFORATED REAR YARD SUBDRAIN
- CSP CULVERT C/W DIAMETER
- V&VB VALVE AND VALVE BOX
- V&VC VALVE AND VALVE CHAMBER
- PARK VALVE CHAMBER C/W SERVICE POST
- HYD 104.35 FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
- 2000 WM WATERMAIN REDUCER
- VERTICAL BEND LOCATION
- SIAMENSE CONNECTION (IF REQUIRED)
- METER (IF REQUIRED)
- RM REMOTE METER (IF REQUIRED)
- WATERMAIN IDENTIFICATION (IF REQUIRED)
- PIPE CROSSING IDENTIFICATION (IF REQUIRED)
- SINGLE SERVICE LOCATION
- DOUBLE SERVICE LOCATION
- MH 12 INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)
- HGL 101.79 100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
- USP 101.79 UNDERSIDE OF FOOTING ELEVATION
- CLAY SEAL IN SEWER / WATERMAIN TRENCH

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET DATA

STRUCTURE ID	STORM AREA ID	STRUCTURE	FRAME & COVER	TOP OF GRATE	ELEVATION		OUTLET PIPE		INLET CONTROL DEVICE			COMMENTS	
					INLET	OUTLET	DIAMETER (mm)	TYPE	100yr Dynamic HEAD (ft)	RESTRICTED FLOW (l/s)	ICD TYPE		ORIFICE SIZE (mm dia.)
CS4	S4	OPSD 705 010	S19	102.13	100.73	200	PVC DR35	1.400	20.00	IPEXHF	90		
CS5	S5	OPSD 705 010	S19	102.03	100.83	200	PVC DR35	1.400	25.00	IPEXHF	89		
CS6	S6	OPSD 705 010	S19	101.88	100.48	200	PVC DR35	1.520	50.00	IPEXHF	123		
CS9	S10	OPSD 705 010	S19	101.27	99.87	200	PVC DR35	1.360	18.50	IPEXHF	75		
CS9A	S10	OPSD 705 010	S19	101.27	99.87	200	PVC DR35	1.360	18.50	IPEXHF	75		
CS20	S20A	OPSD 705 010	S19	102.15	100.75	200	PVC DR35	1.540	15.00	IPEXHF	75		
CS20A	S20B	OPSD 705 010	S19	102.37	100.97	200	PVC DR35	1.400	10.00	IPEXHF	75		
RYCB7	RB	OPSD 705 010	S19	101.30	99.85	250	PVC DR35	1.400	20.00	IPEXHF	79		

NOTES :

- ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPS/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
- THE POSITION OF UNDERGROUND AND ABOVEGROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ADJACENT LAND OWNER, THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
- WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.
- SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE AND COMMUNICATIONS. WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
- FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT NO. 2042530-1000 "GEOTECHNICAL INVESTIGATION BARRETT LANDS-PHASE 3, LEITRIM DEVELOPMENT AREA, 100 LEITRIM ROAD, OTTAWA, ONTARIO", DATED FEBRUARY 2022, PREPARED BY GOLDER ASSOCIATES.
- FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY STANTEC GEOMATICS. BENCHMARK BASED ON CAN-NET VIRTUAL REFERENCE SYSTEM NETWORK.
- FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY TAMARACK HOMES.
- THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
- ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMANS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMANS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- REFER TO DRAWING 011 FOR ROADWAY CROSS SECTIONS (IF APPLICABLE).
- THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE START OF A SUBSEQUENT PHASE.
- CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPSD TRENCH WIDTH BE EXCEEDED.
- ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.
- CLAY SEALS, 1.5m WIDE TO BE INSTALLED AT 100m INTERVALS AS RECOMMENDED IN THE GEOTECHNICAL REPORT (BARRETT LANDS PHASE 3).
- UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS:
 - WATERMANS TO BE PVC DR18
 - SANITARY SEWER TO BE PVC DR35
 - PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE
 - STORM SEWERS 375MM DIAMETER AND LESS TO BE PVC DR35
 - STORM SEWERS 450MM DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR 807.030, OR HIGHER
- ALL CONNECTIONS TO EXISTING WATERMANS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
- ANY WATERMAIN WITH LESS THAN 2.4M, AND ANY SEWER WITH LESS THAN 2.0M DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
- FOR WATERMAIN THRUST RESTRAINT RECOMMENDATIONS, PLEASE REFER TO SECTION 4.2 OF THE GEOTECHNICAL REPORT.
- ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
- ALL CATCHBASINS SHALL HAVE A 600MM SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900MM, SHALL HAVE A 300MM SUMP.
- ALL SANITARY MANHOLES SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
- ALL LEADS FOR STREET CATCHBASINS AND CURB INLET CATCHBASINS CONNECTED TO MAIN SHALL BE 200MM PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE 200MM PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO - 3.0M MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0M MINIMUM SUBDRAINS INSTALLED ORTHOGONALLY.
- INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
- ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0M REQUIRE A CONTROLLED SETTLEMENT JOINT.
- EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
- THE HGL PROVIDED IS BASED ON HYDRAULIC MODELING COMPLETED USING THE 100 YEAR MODIFIED RATIONAL METHOD.
- THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CCTV INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
- ALL RETAINING WALLS GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL ENGINEER.
- ALL RETAINING WALLS GREATER THAN 0.6M IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.
- UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A CONFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.

ROADWAY STRUCTURE:

- LOCAL ROAD : (690mm)
- 40mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
 - 50mm - SUPERPAVE 19.0 ASPHALTIC CONCRETE
 - 150mm - OPSS GRANULAR "A" CRUSHED STONE
 - 450mm - OPSS GRANULAR "B" TYPE II

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SEE 010, 011 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



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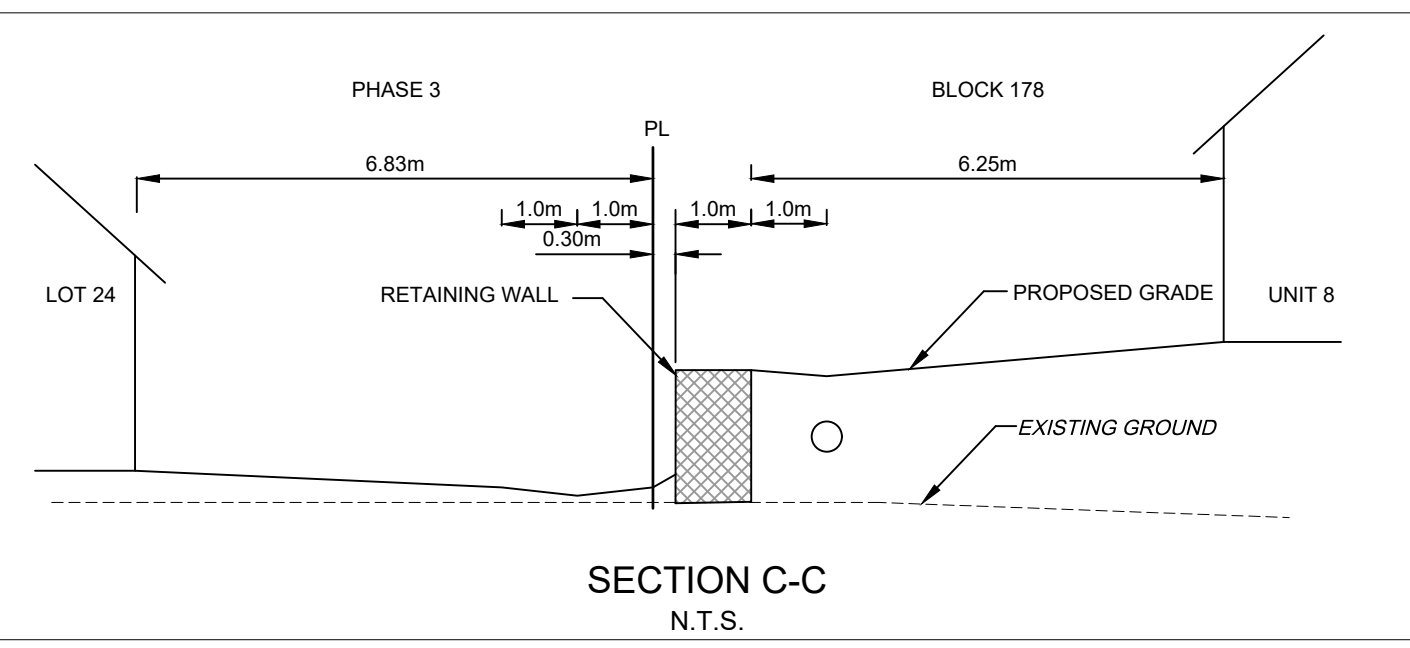
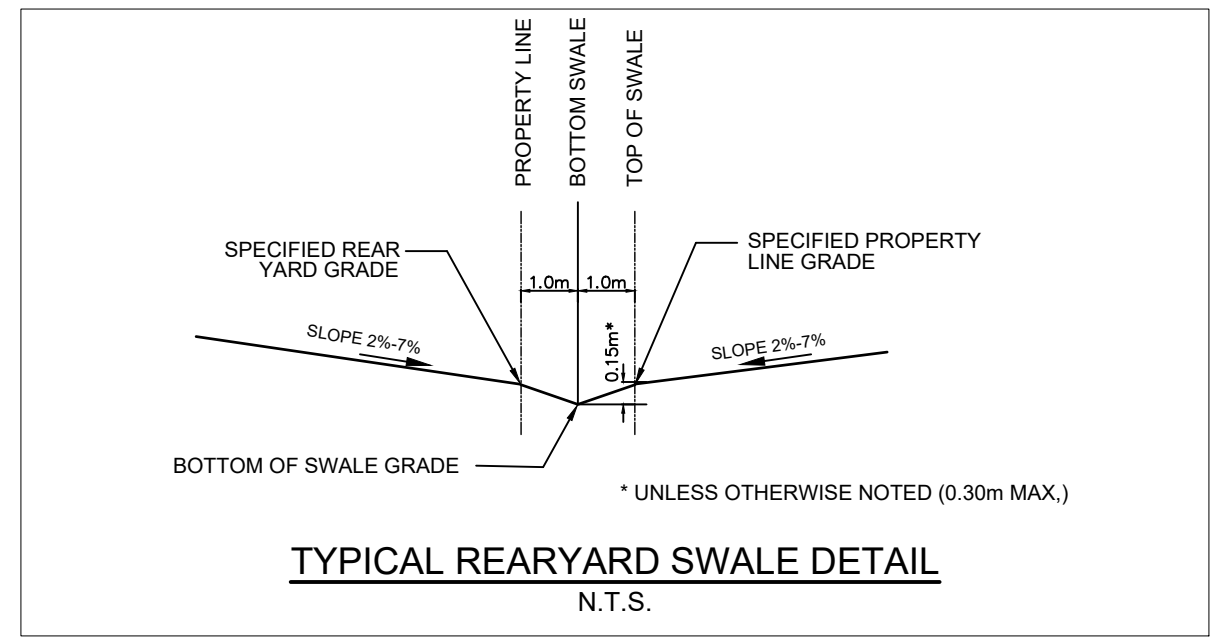
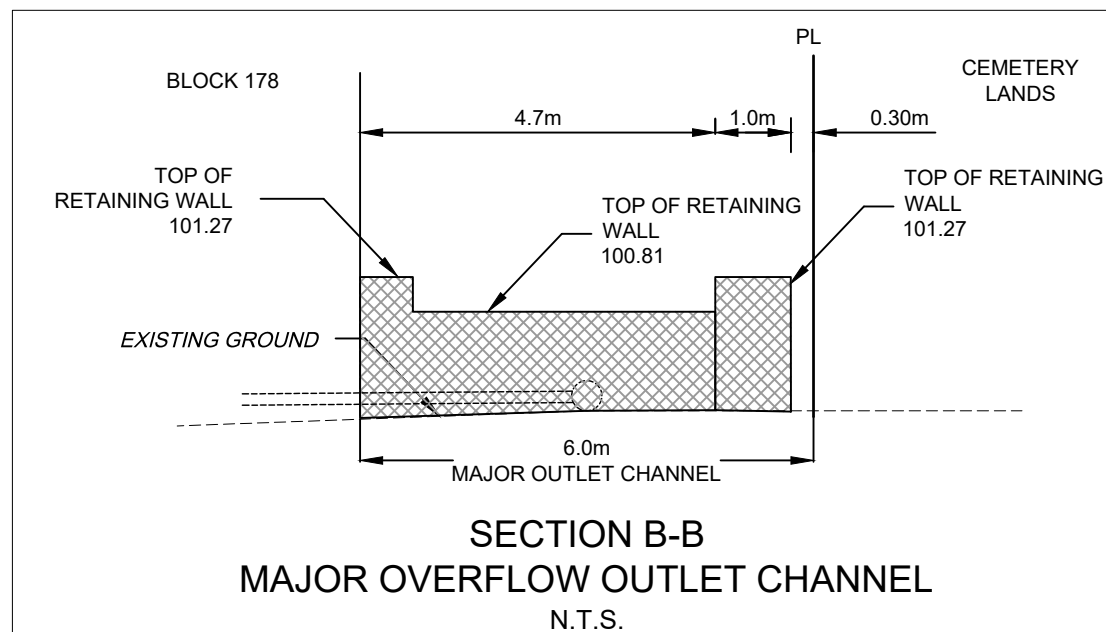
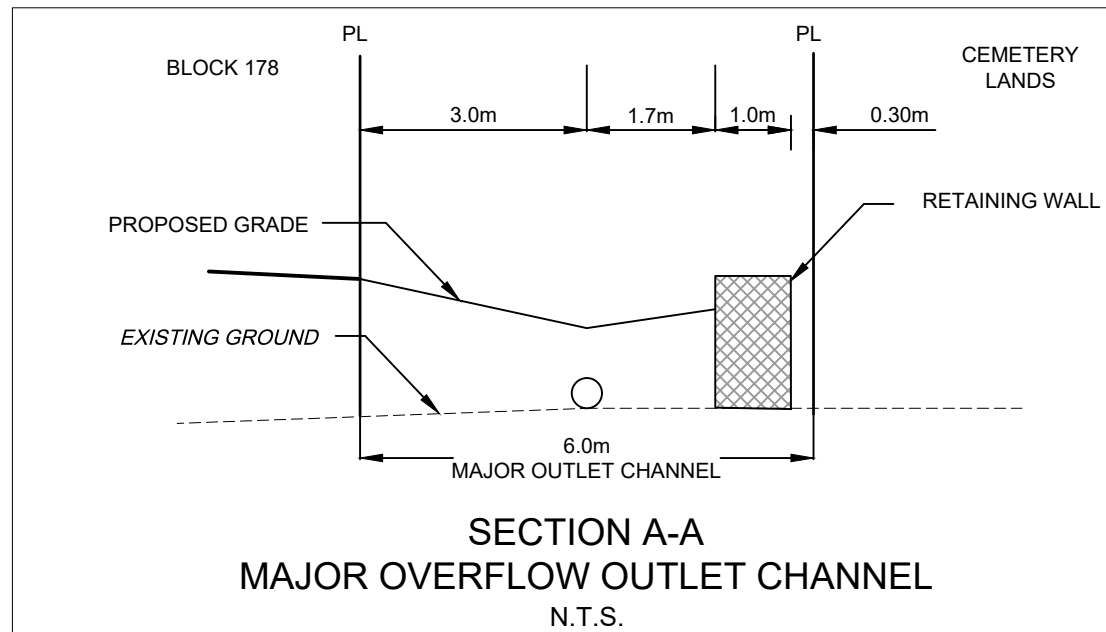
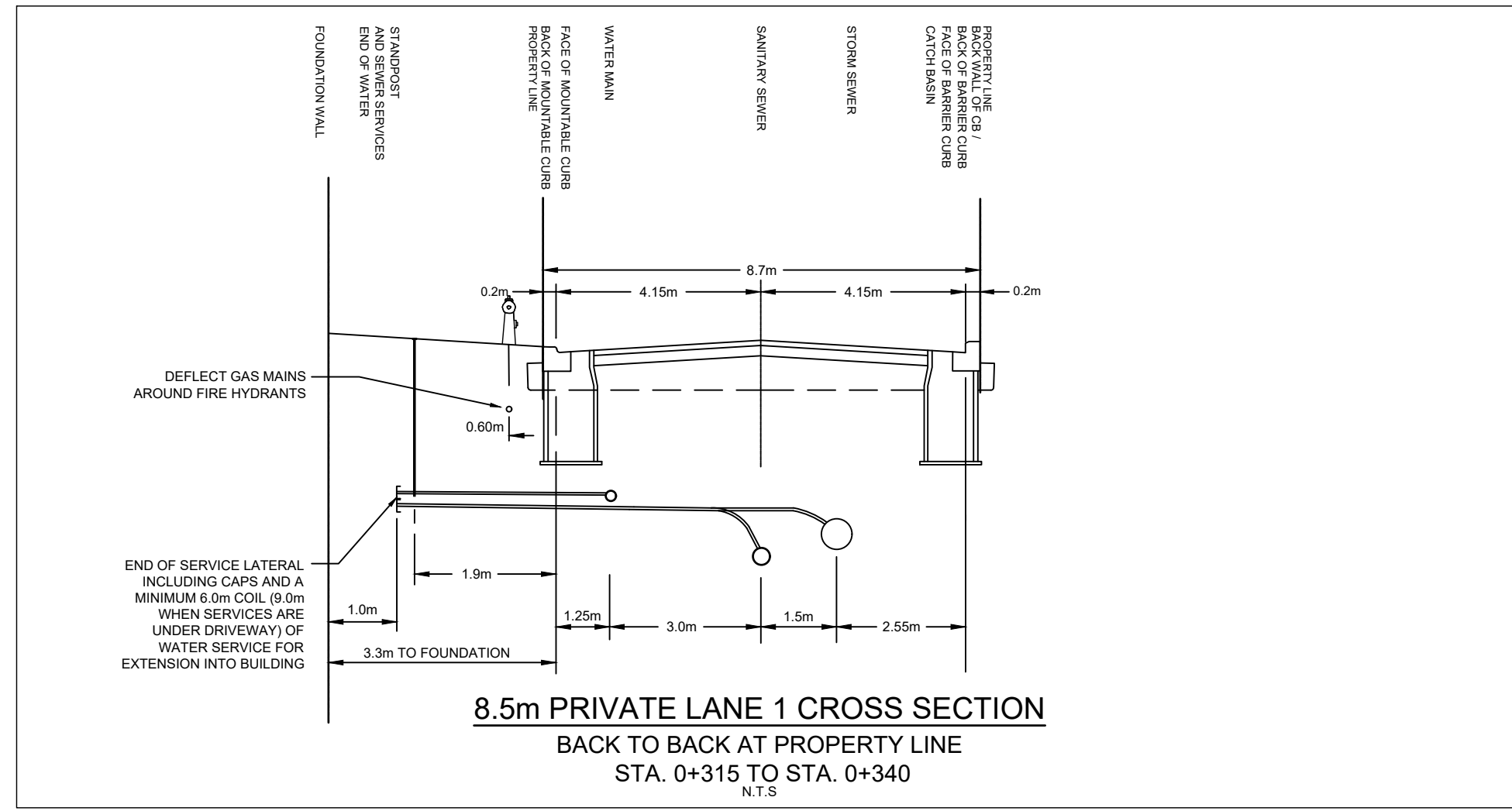
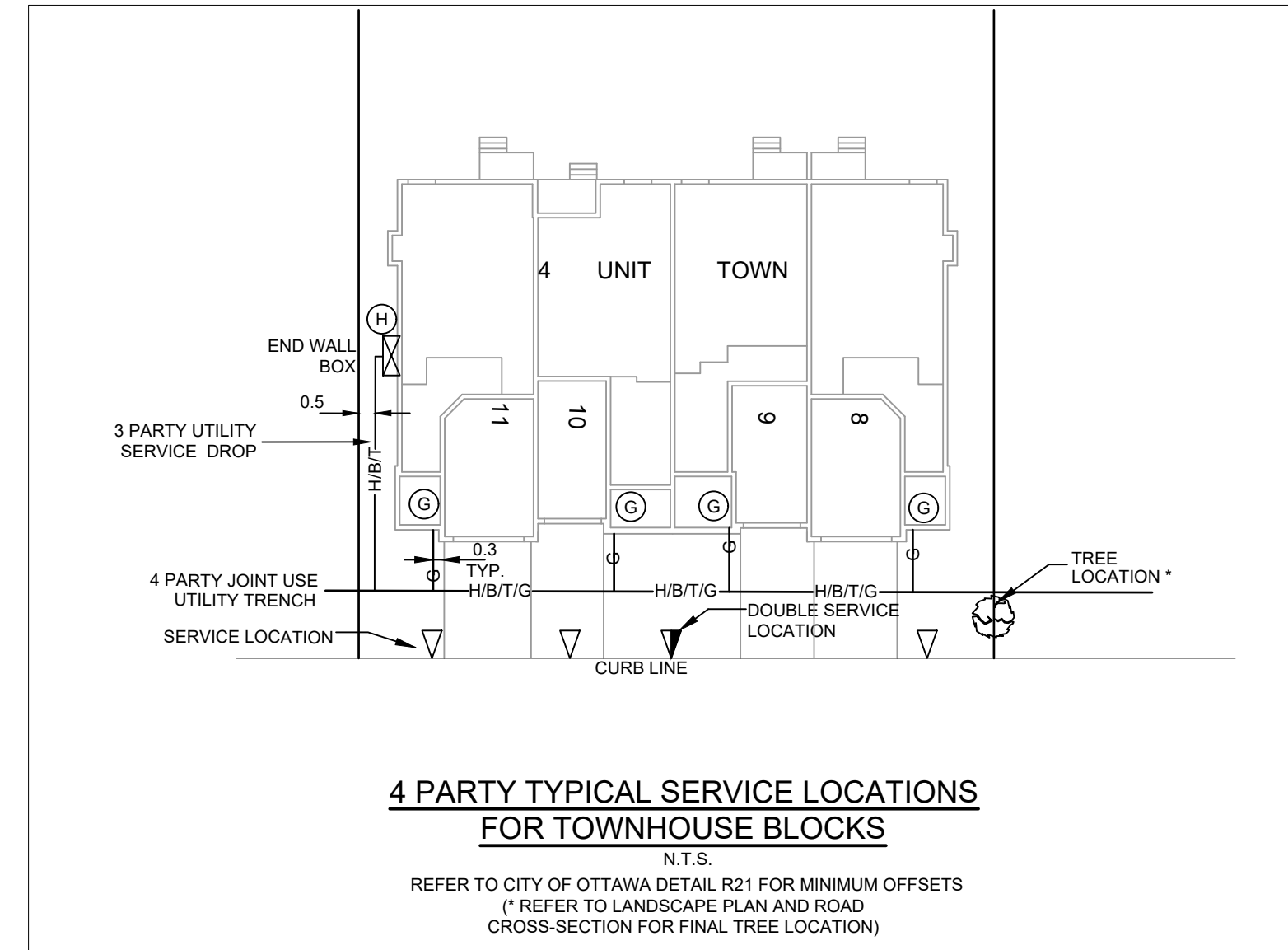
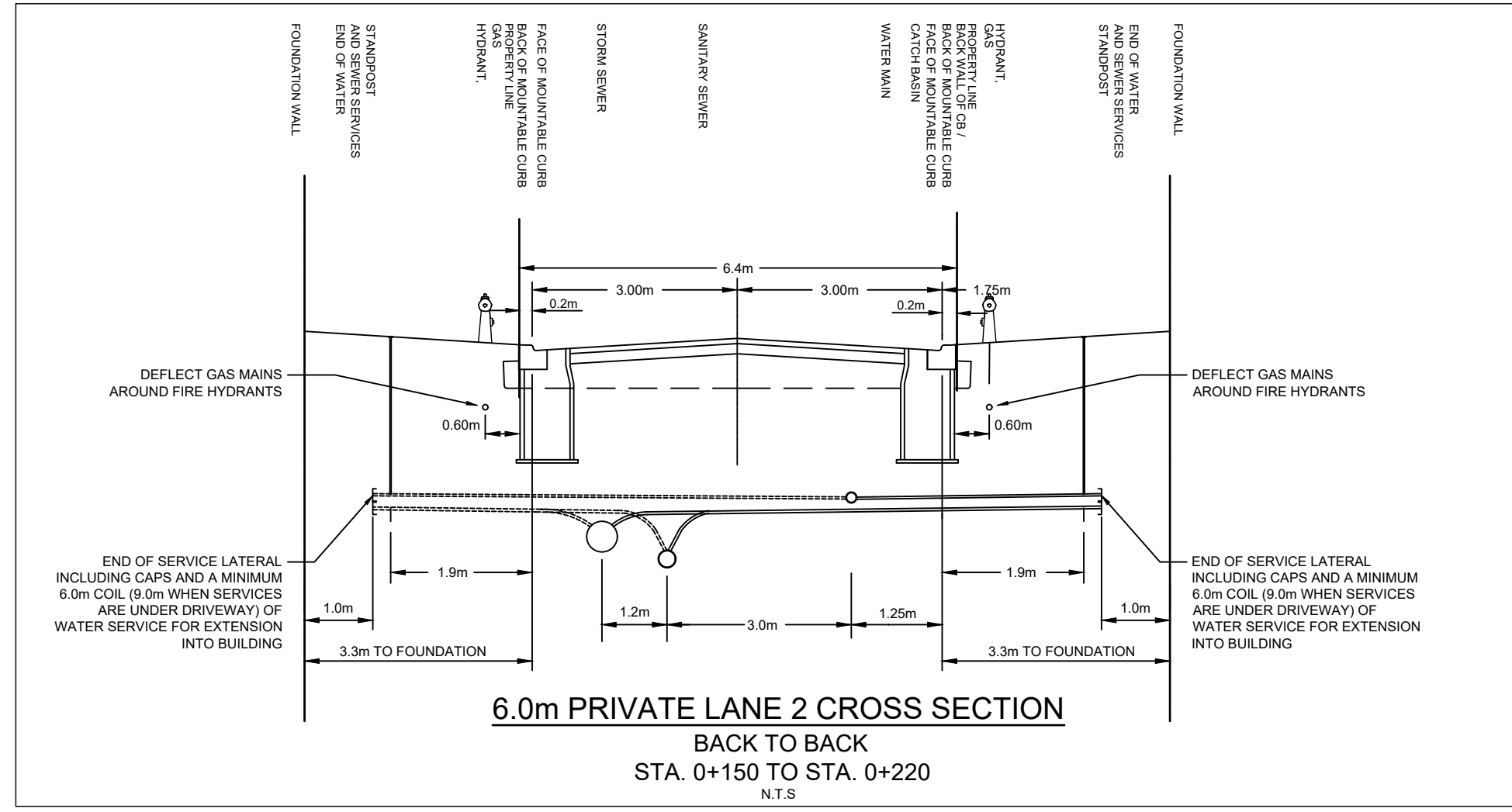
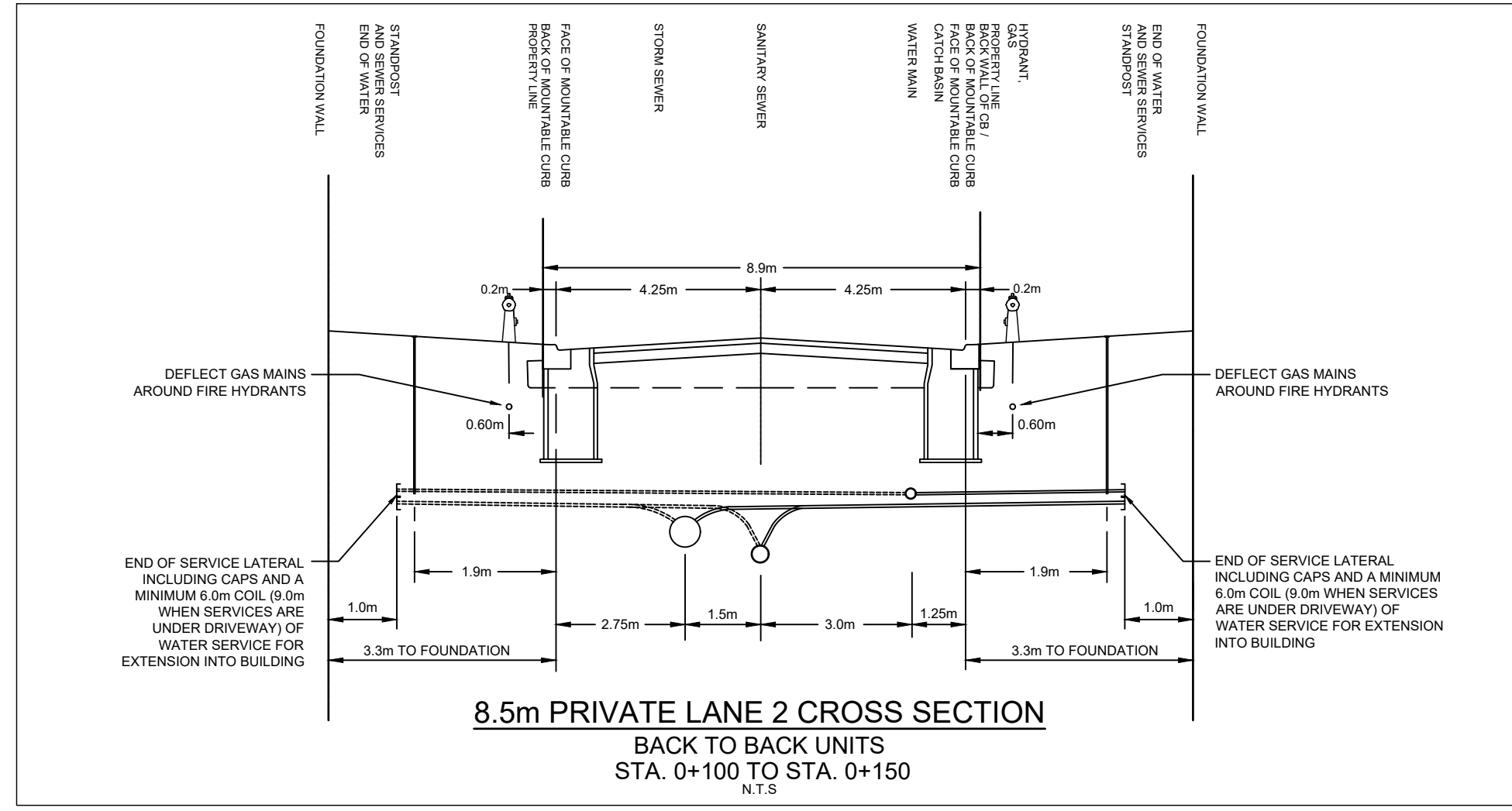
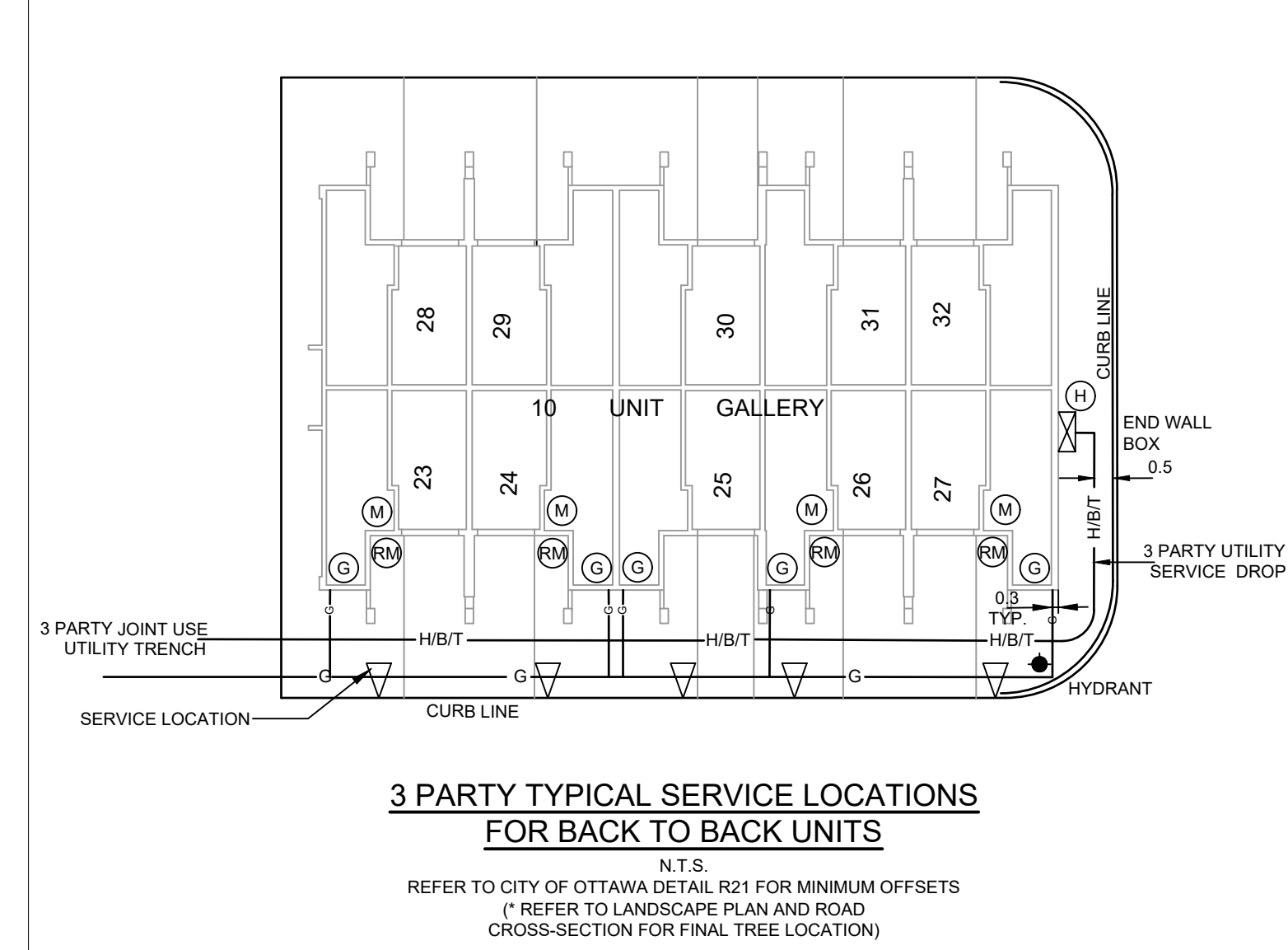
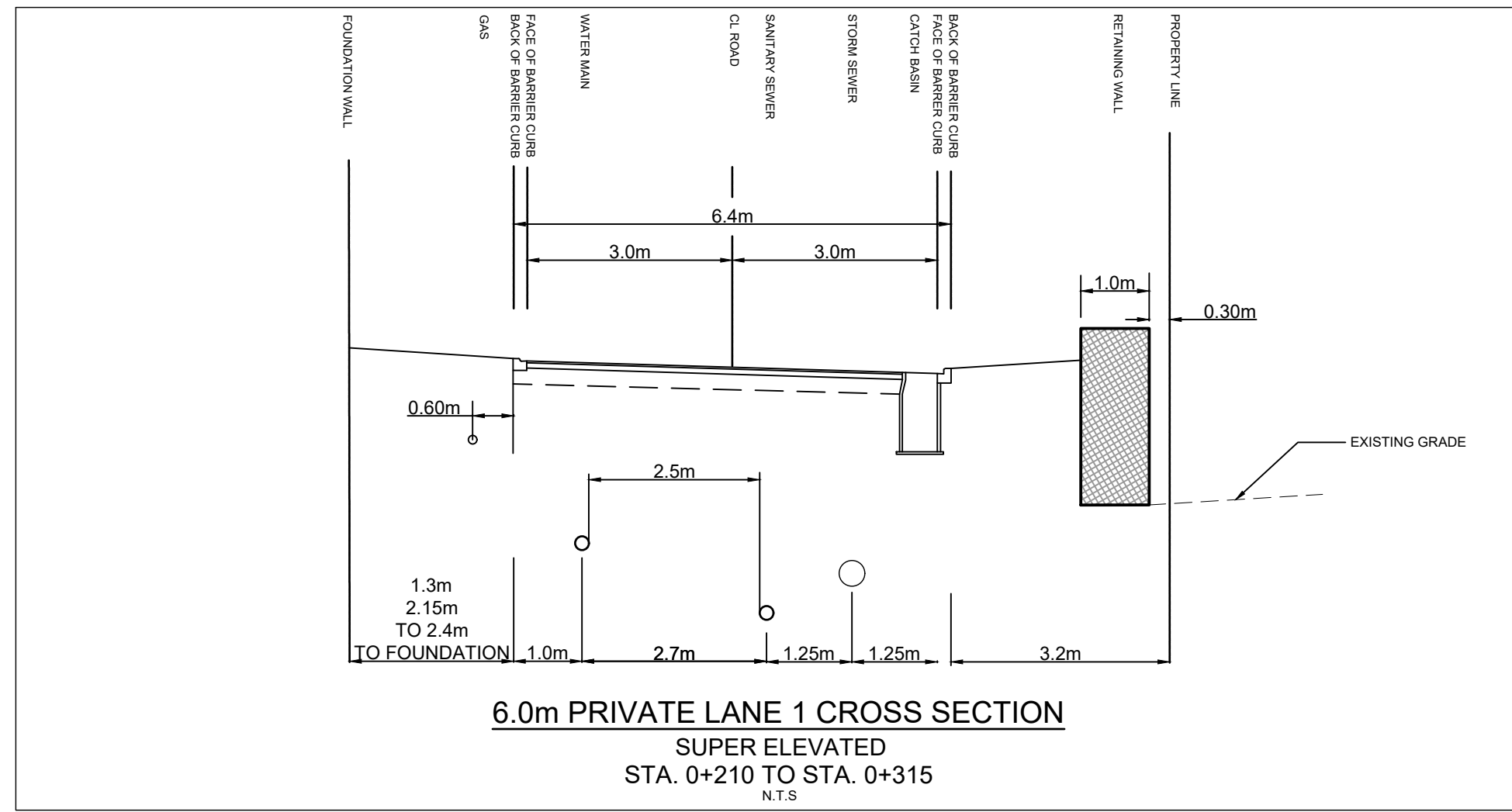
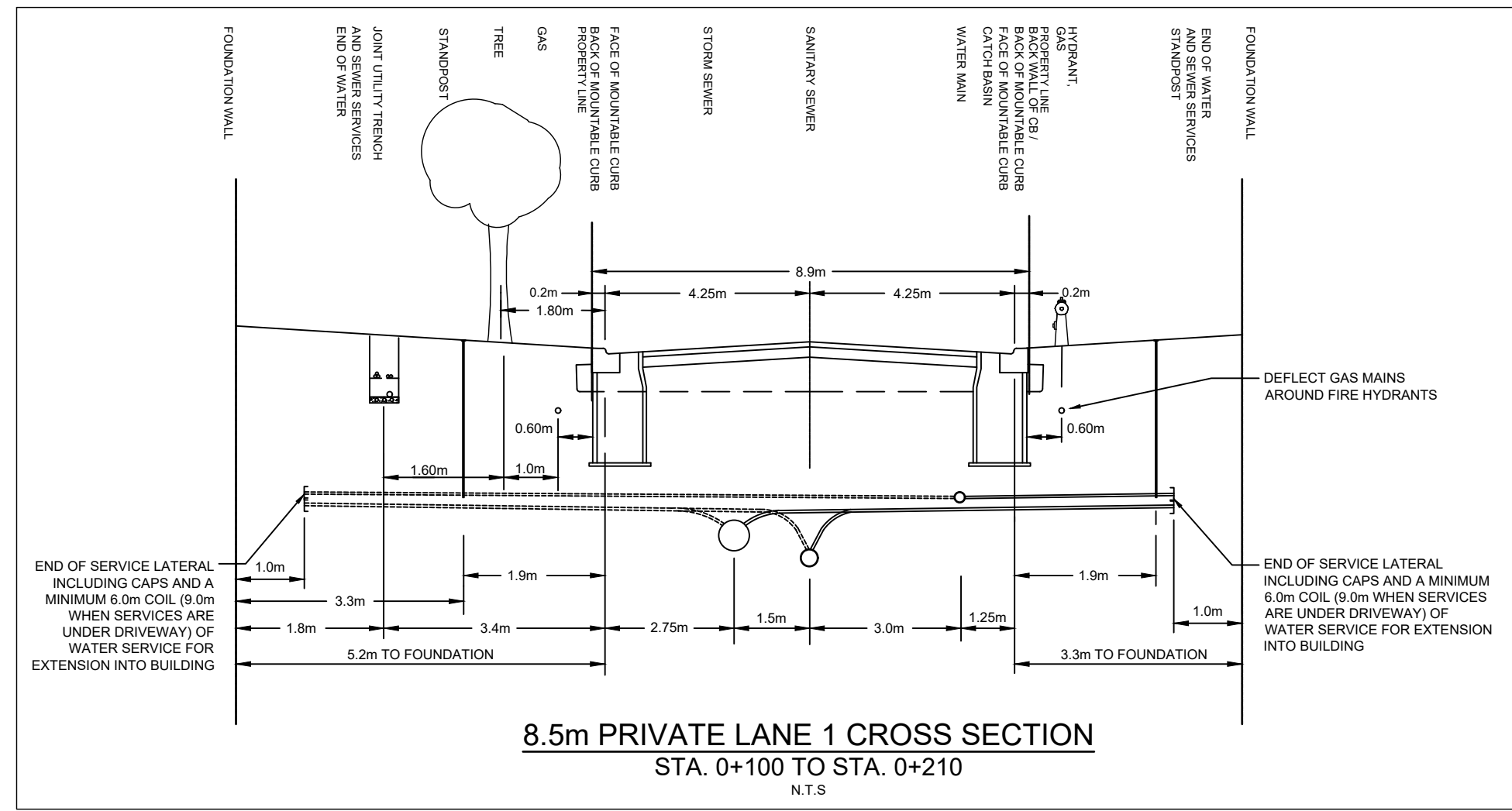
PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

DRAWN BY: M.M.	CHECKED BY: A.C.
PROJECT MGR: R.M.	APPROVED BY: J.I.M.

SHEET TITLE
NOTES LEGEND CB DATA

SHEET NUMBER 010	ISSUE 3
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SEE 010, 011 FOR NOTES, LEGEND, C8 TABLE, STREET SECTIONS AND DETAILS

KEY PLAN LEITRIM ROAD
 KELLY FARM DRIVE
 BARRETT FARM DRIVE
 RANK STREET
 ISLINGTON AVE
 GERRARD ST
 DUNDAS ST
 N.T.S.

CONSULTANTS

SEAL

 J.D. Yarnopoulos
 2023/01/09
 PROVINCE OF ONTARIO

PROJECT
BARRETT BLOCK 178

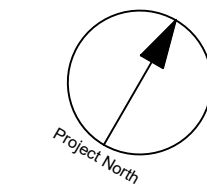
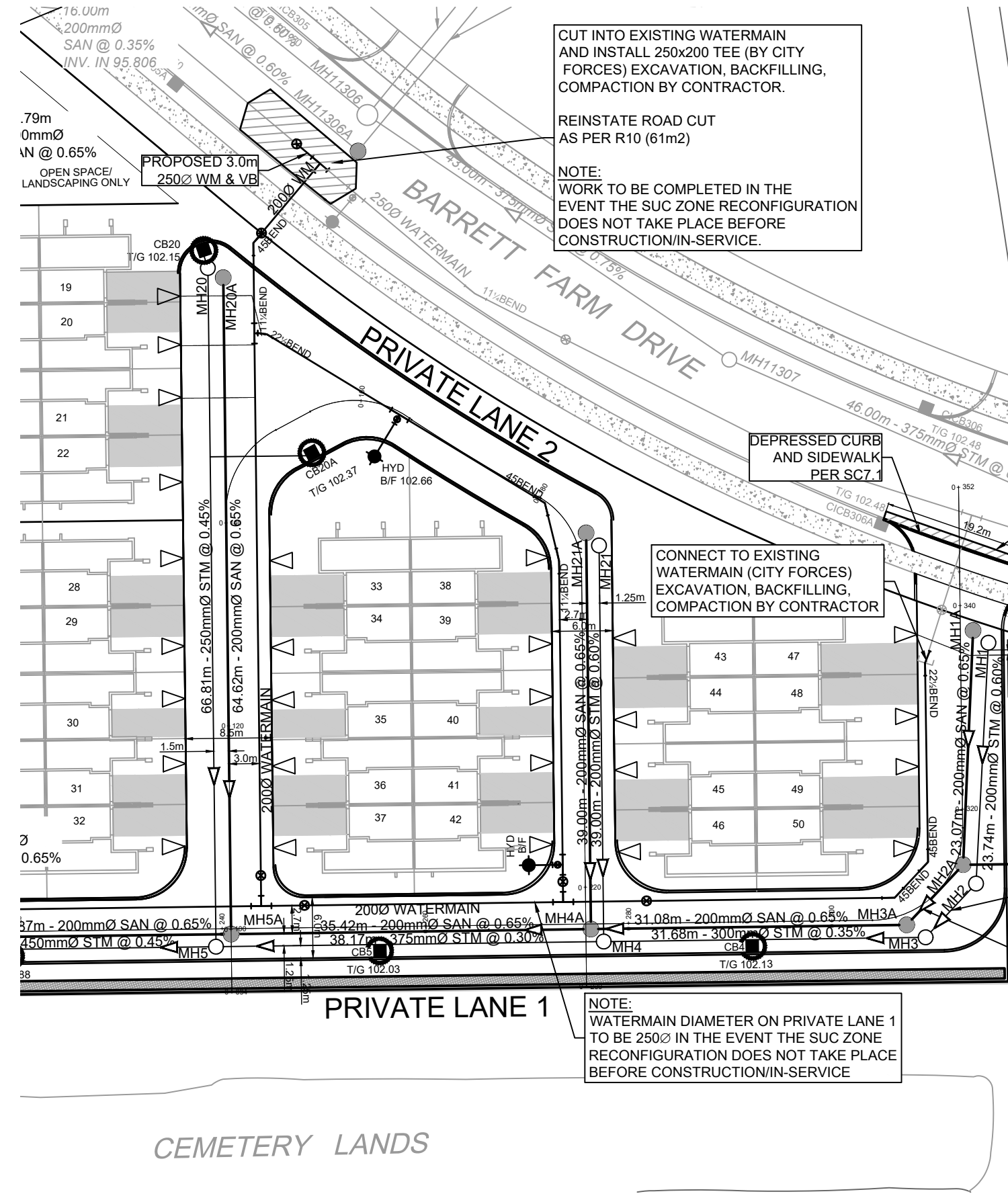
PROJECT NO: 135925
DRAWN BY: M.M.
PROJECT MGR: R.M.
SHEET TITLE: STREET SECTIONS

CHECKED BY: A.C.
APPROVED BY: J.I.M.

SHEET NUMBER 011 **ISSUE** 3

CITY PLAN No. 18826

File Location: J:\135925_Barrett\land7.0_Production\7_03_Design\04_Civil\Sheet\011 STREET SECTIONS.dwg Last Saved: February 10, 2023, by rmlaine Plotted: Wednesday, February 22, 2023 11:22:27 AM by Marian Milne
 SCALE CHECK
 CITY FILE No. D07-12-22-0112



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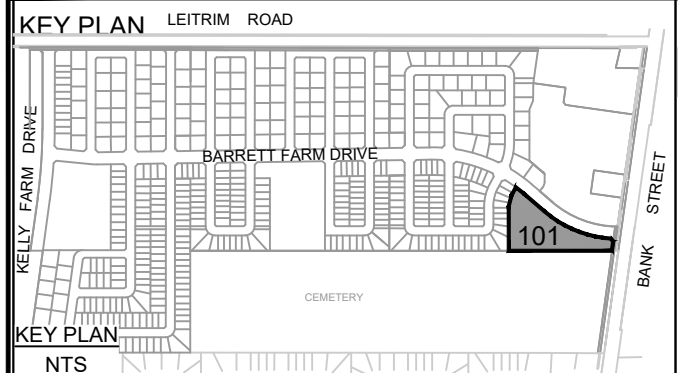
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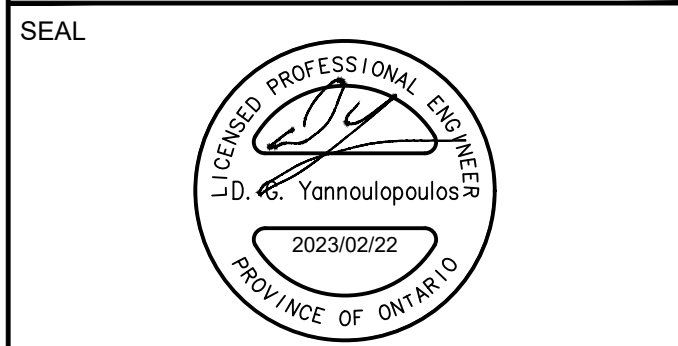
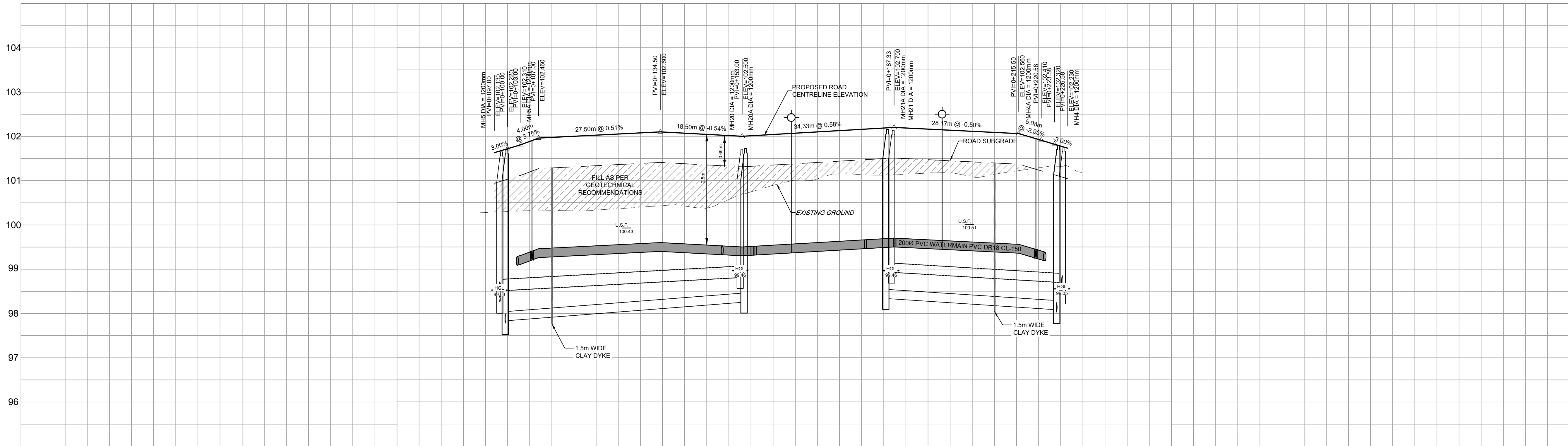
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SEE 010, 011 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



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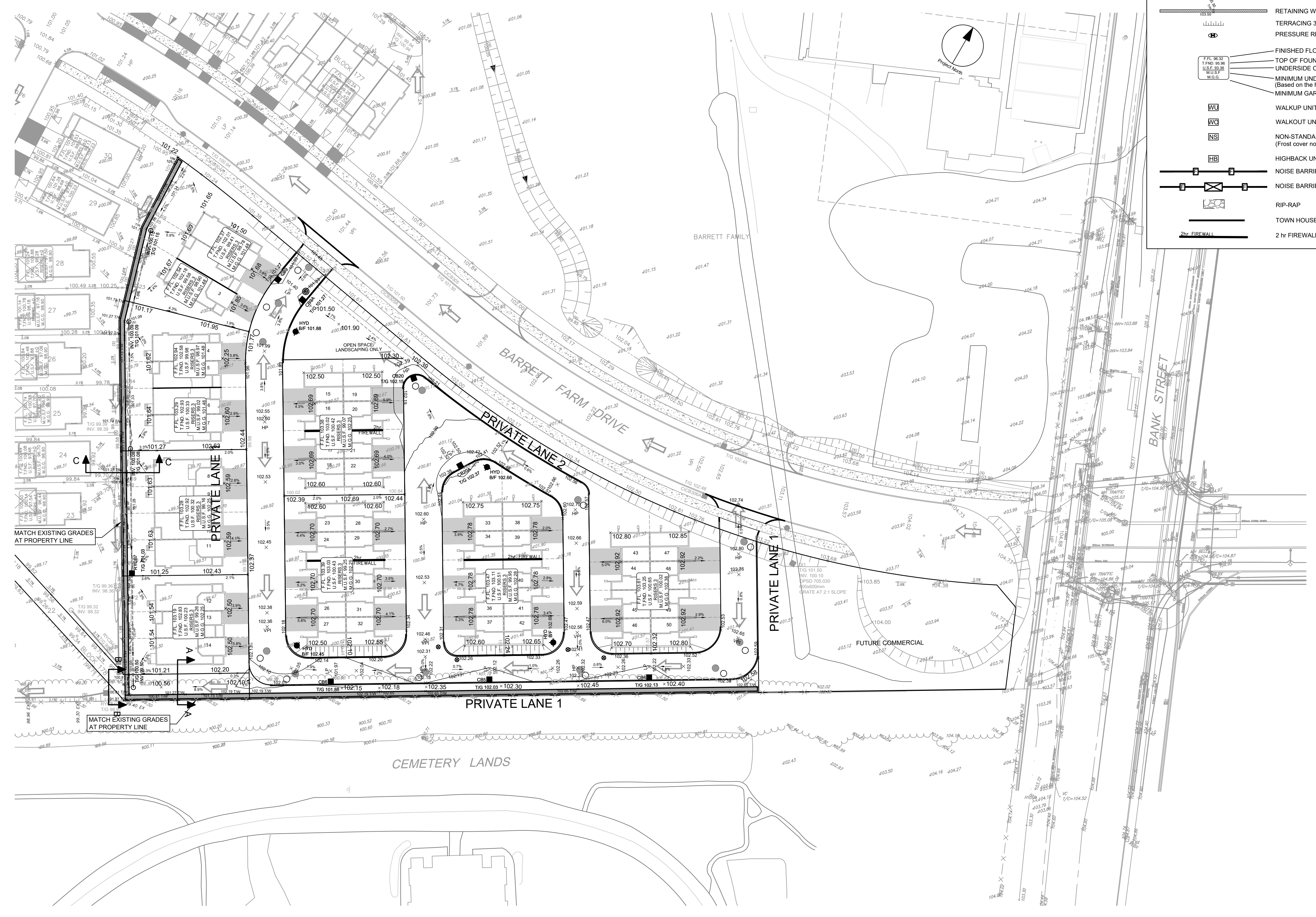
PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925
DRAWN BY:
M.M.
PROJECT MGR:
R.M.
CHECKED BY:
A.C.
APPROVED BY:
J.I.M.

SHEET TITLE
PRIVATE LANE 2

ROAD GRADE	102.130 102.220 102.310 102.460 102.526 102.600 102.570 102.500 102.541 102.657 102.700 102.637 102.560 102.426 102.320 102.230	ROAD GRADE
TOP OF WATERMAIN	99.866 99.960 100.026 100.100 100.070 100.000 100.041 100.157 100.200 100.137 100.060 99.927 99.960	TOP OF WATERMAIN
STM SEWER INVERT	66.81m - 250mmØ PVC DR-35 STM @ 0.45% 99.314SE 99.432SE	STM SEWER INVERT
SAN SEWER INVERT	64.62m - 200mmØ PVC DR-35 SAN @ 0.65% 98.757SE 98.840SE 39.00m 200mmØ PVC DR-35 SAN @ 0.65% 98.566NW 98.549NE 98.626SW	SAN SEWER INVERT
STATION	0+080 0+100 0+120 0+140 0+160 0+180 0+200 0+240	STATION

SHEET NUMBER
101
ISSUE
4



GRADING LEGEND

- PROPOSED DITCH CW FLOW DIRECTION AND SLOPE
- SLOPE CW FLOW DIRECTION
- MAJOR OVERLAND FLOW ROUTE
- PROPOSED SPOT GRADE
- PROPOSED SWALE GRADE
- PROPOSED SWALE HIGH POINT GRADE
- LOT CORNER GRADE CW EXISTING GRADE
- FULL STATIC PONDING GRADE
- RETAINING WALL CW TOP OF WALL AND GRASS GRADE
- TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE
- PRESSURE REDUCING VALVE
- FINISHED FLOOR ELEVATION
- TOP OF FOUNDATION ELEVATION
- UNDERSIDE OF FOOTING ELEVATION
- MINIMUM UNDERSIDE OF FOOTING (Based on the higher of the sewer overfalls, or hydraulic grade line)
- MINIMUM GARAGE GRADE
- WALKUP UNIT
- WALKOUT UNIT
- NON-STANDARD FOUNDATION (Frost not provided for standard unit)
- HIGHBACK UNIT (1.5m frost cover on footings)
- NOISE BARRIER LOCATION
- NOISE BARRIER GATE
- RIP-RAP
- TOWN HOUSE SPLITS
- 2hr FIREWALL

CLIENT

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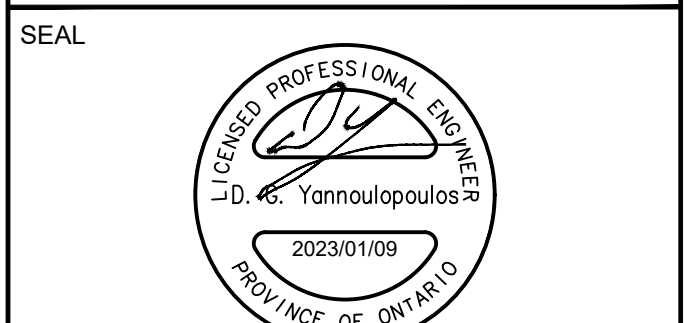
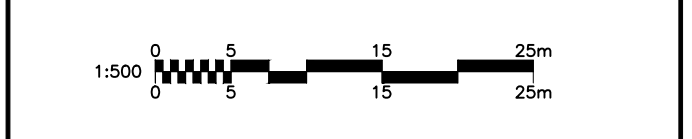
ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2022-05-10
2	SUBMISSION NO. 2 FOR CITY REVIEW	2022-11-25
3	SUBMISSION NO. 3 FOR CITY REVIEW	2023-01-09
4		
5		
6		
7		
8		

SEE 010, 011 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



CONSULTANTS



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ibigroup.com

PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

DRAWN BY: **M.M.** CHECKED BY: **A.C.**

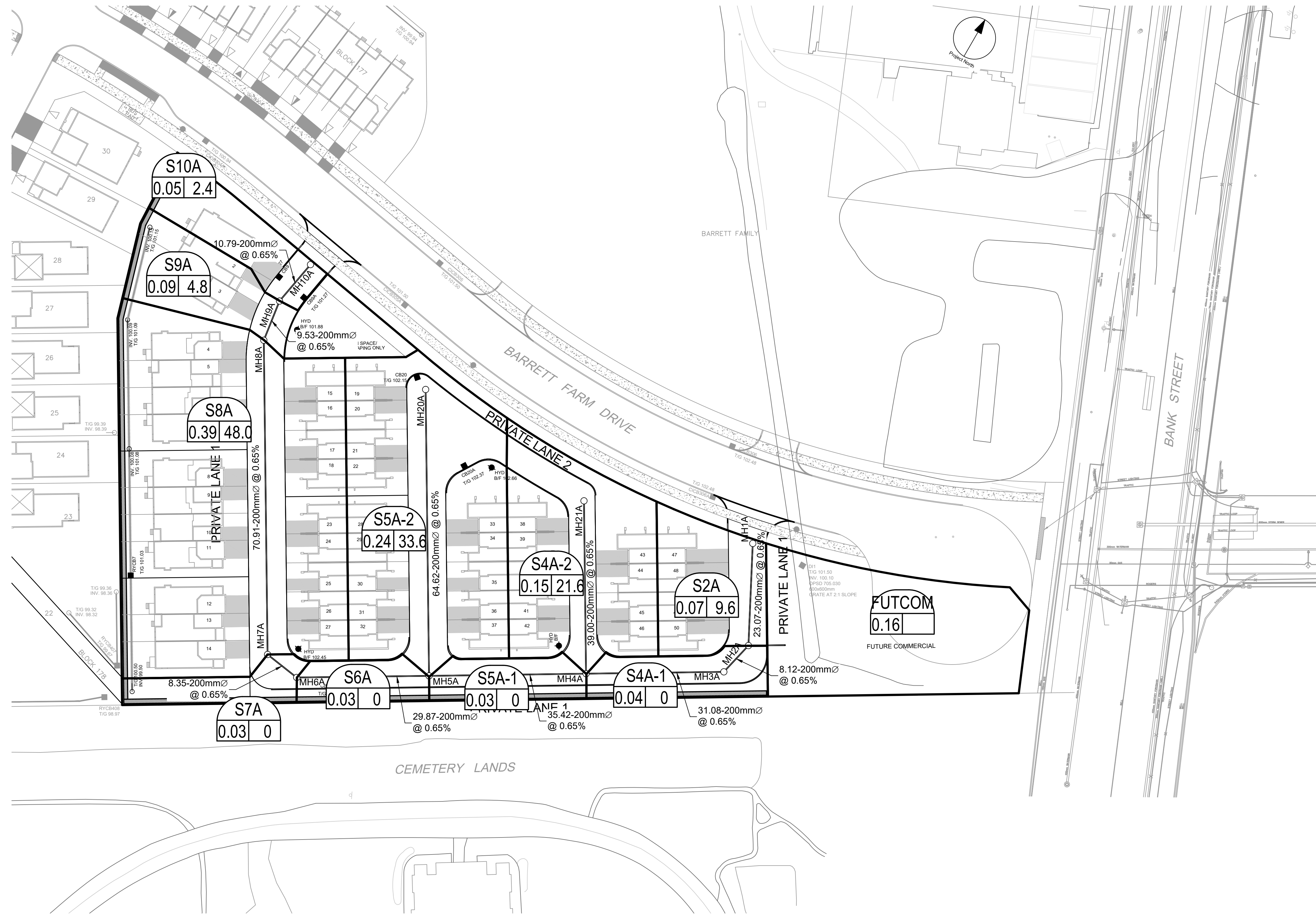
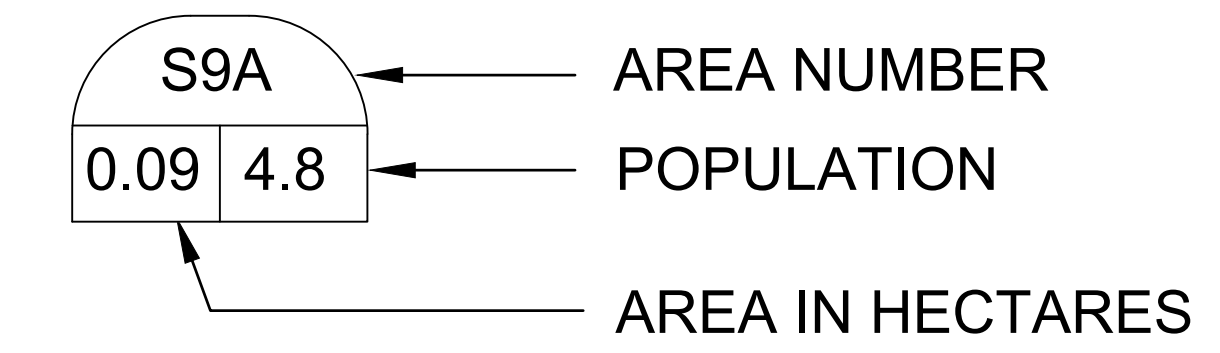
PROJECT MGR: **R.M.** APPROVED BY: **J.I.M.**

SHEET TITLE
GRADING PLAN

SHEET NUMBER
200

ISSUE
3

LEGEND :



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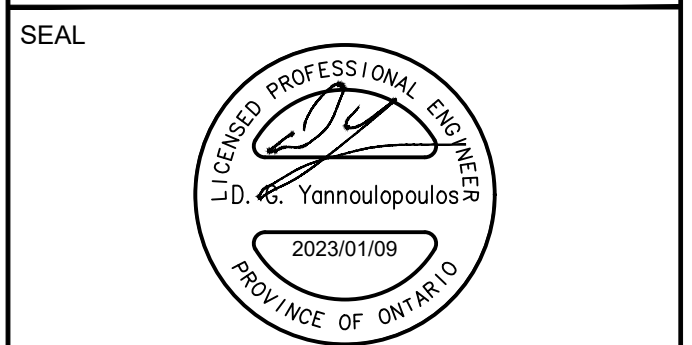
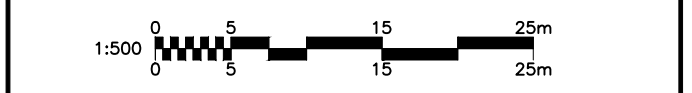
ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2022-05-10
2	SUBMISSION NO. 2 FOR CITY REVIEW	2022-11-25
3	SUBMISSION NO. 3 FOR CITY REVIEW	2023-01-09
4		
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SEE 010, 011 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



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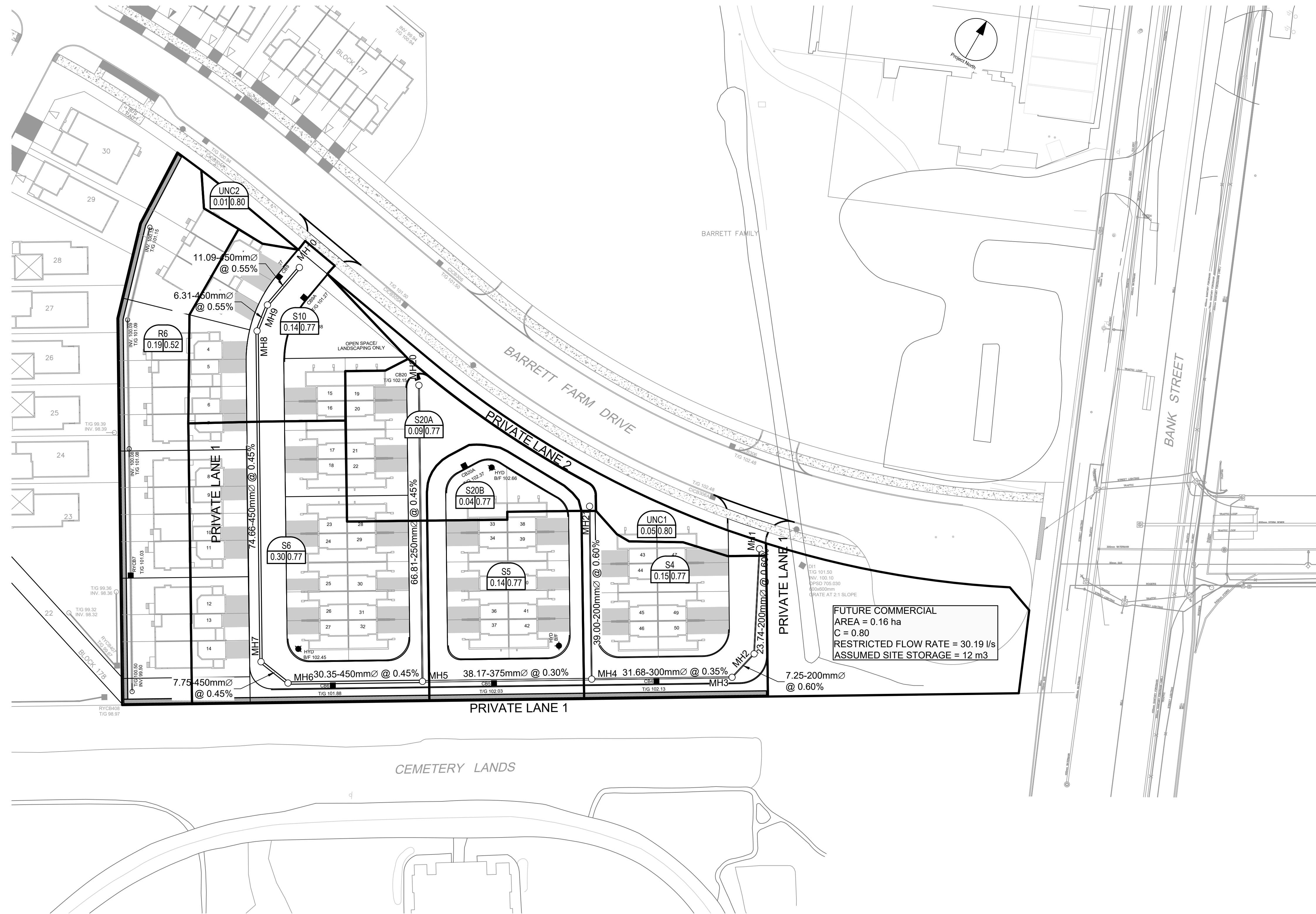
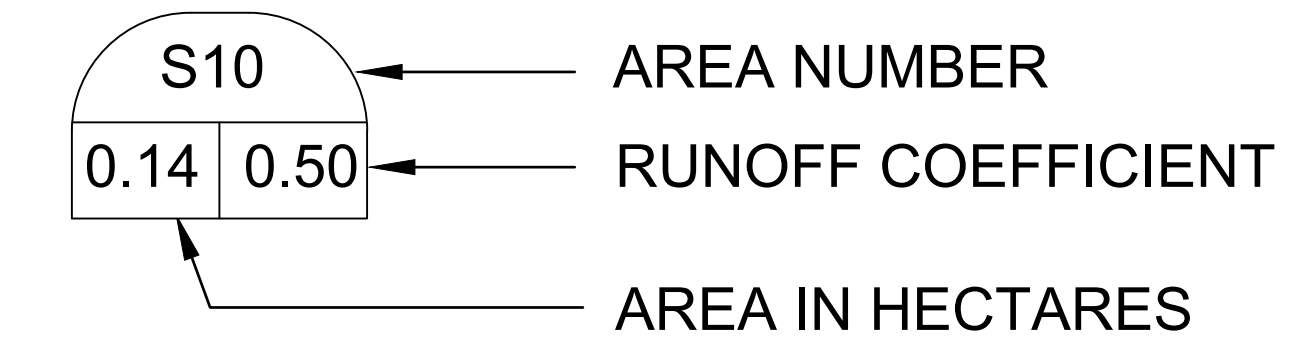
PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925
DRAWN BY: M.M. **CHECKED BY:** A.C.
PROJECT MGR: R.M. **APPROVED BY:** J.I.M.

SHEET TITLE
SANITARY DRAINAGE AREA PLAN

SHEET NUMBER 400 **ISSUE** 3

LEGEND :



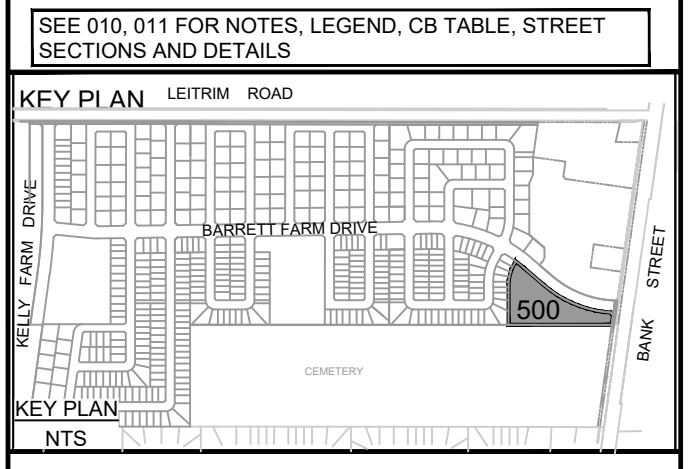
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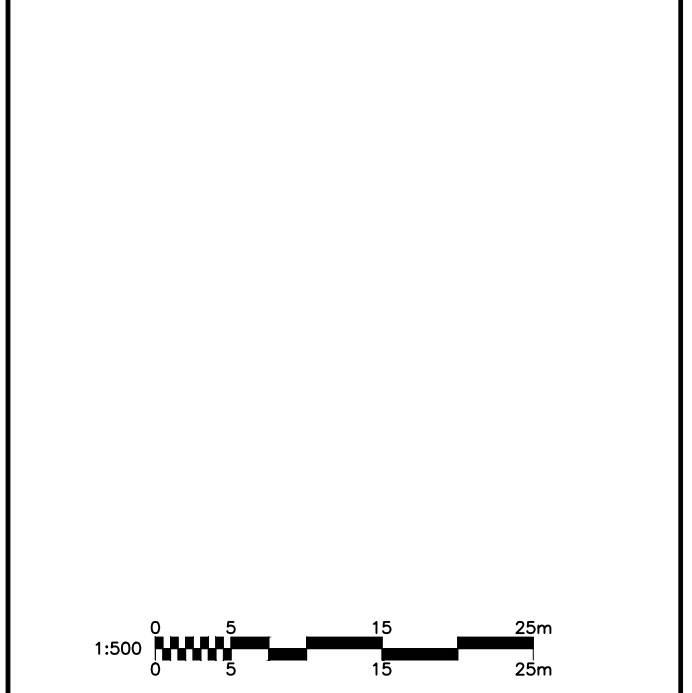
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ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2022-05-10
2	SUBMISSION NO. 2 FOR CITY REVIEW	2022-11-25
3	SUBMISSION NO. 3 FOR CITY REVIEW	2023-01-09
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PROJECT
BARRETT BLOCK 178

PROJECT NO:
135925

DRAWN BY: M.M. **CHECKED BY:** A.C.

PROJECT MGR: R.M. **APPROVED BY:** J.I.M.

SHEET TITLE
STORM DRAINAGE AREA PLAN

SHEET NUMBER
500

ISSUE
3

CITY FILE No. D07-12-22-0112

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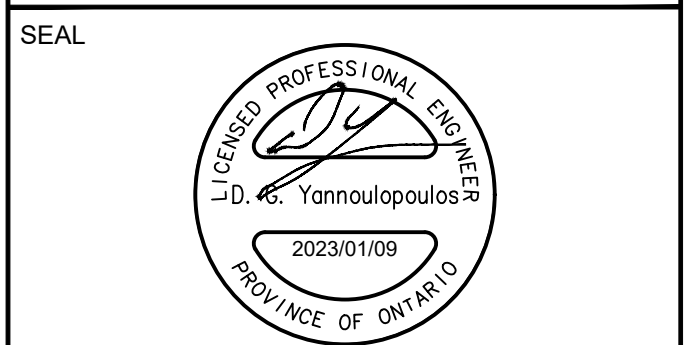
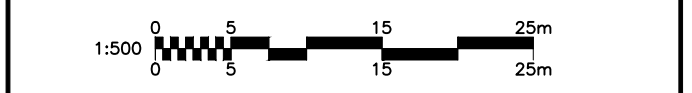
ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO.1 FOR CITY REVIEW	2022-05-10
2	SUBMISSION NO.2 FOR CITY REVIEW	2022-11-25
3	SUBMISSION NO.3 FOR CITY REVIEW	2023-01-09
4		
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PROJECT
BARRETT BLOCK 178

PROJECT NO:
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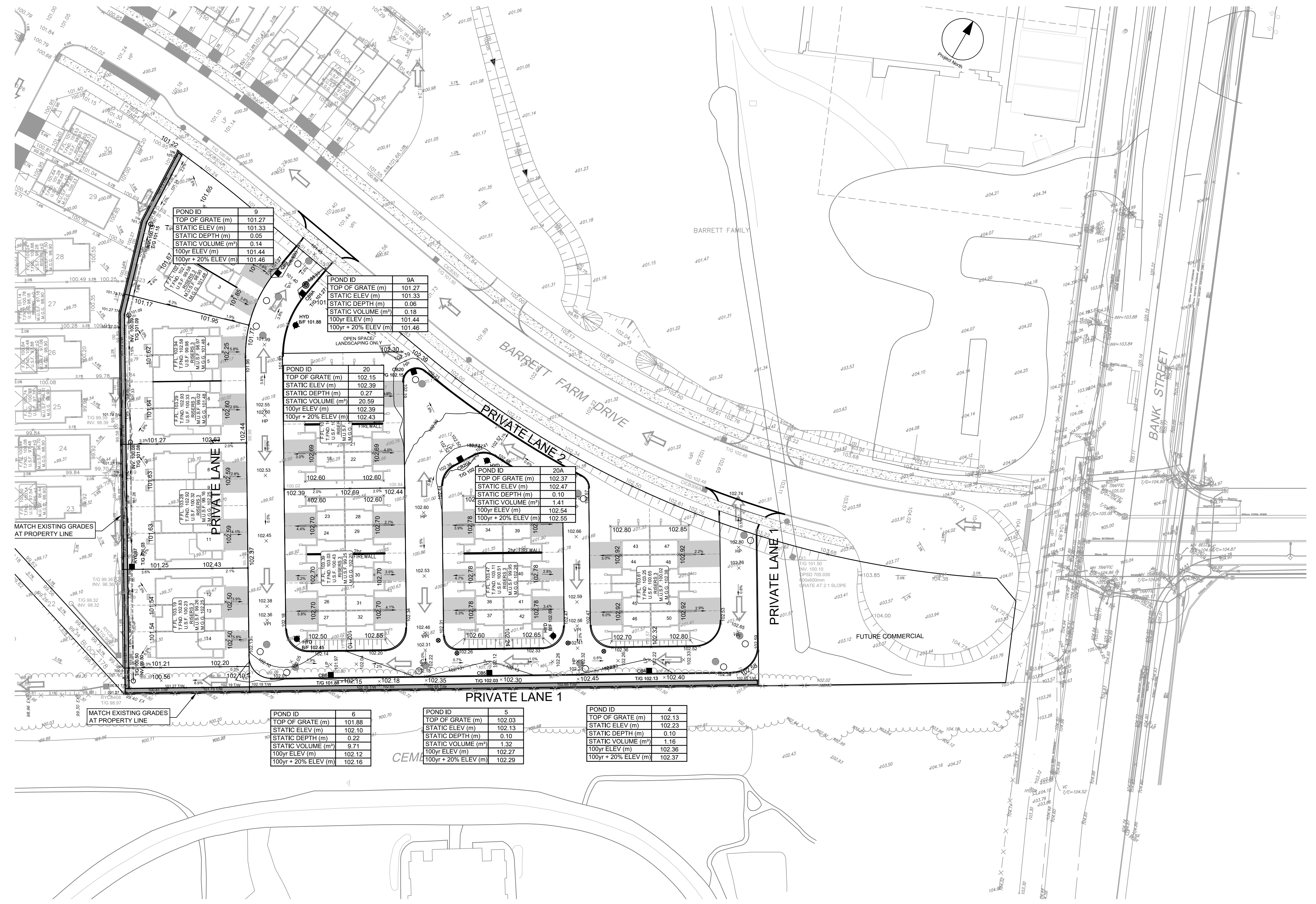
DRAWN BY: **M.M.** CHECKED BY: **A.C.**

PROJECT MGR: **R.M.** APPROVED BY: **J.I.M.**

SHEET TITLE
PONDING PLAN

SHEET NUMBER
600

ISSUE
3



POND ID 9

TOP OF GRATE (m)	101.27
STATIC ELEV (m)	101.33
STATIC DEPTH (m)	0.05
STATIC VOLUME (m³)	0.14
100yr ELEV (m)	101.44
100yr + 20% ELEV (m)	101.46

POND ID 9A

TOP OF GRATE (m)	101.27
STATIC ELEV (m)	101.33
STATIC DEPTH (m)	0.06
STATIC VOLUME (m³)	0.18
100yr ELEV (m)	101.44
100yr + 20% ELEV (m)	101.46

POND ID 20

TOP OF GRATE (m)	102.15
STATIC ELEV (m)	102.39
STATIC DEPTH (m)	0.27
STATIC VOLUME (m³)	20.59
100yr ELEV (m)	102.39
100yr + 20% ELEV (m)	102.43

POND ID 20A

TOP OF GRATE (m)	102.37
STATIC ELEV (m)	102.47
STATIC DEPTH (m)	0.10
STATIC VOLUME (m³)	1.41
100yr ELEV (m)	102.54
100yr + 20% ELEV (m)	102.55

POND ID 6

TOP OF GRATE (m)	101.88
STATIC ELEV (m)	102.10
STATIC DEPTH (m)	0.22
STATIC VOLUME (m³)	9.71
100yr ELEV (m)	102.12
100yr + 20% ELEV (m)	102.16

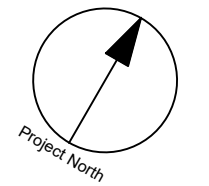
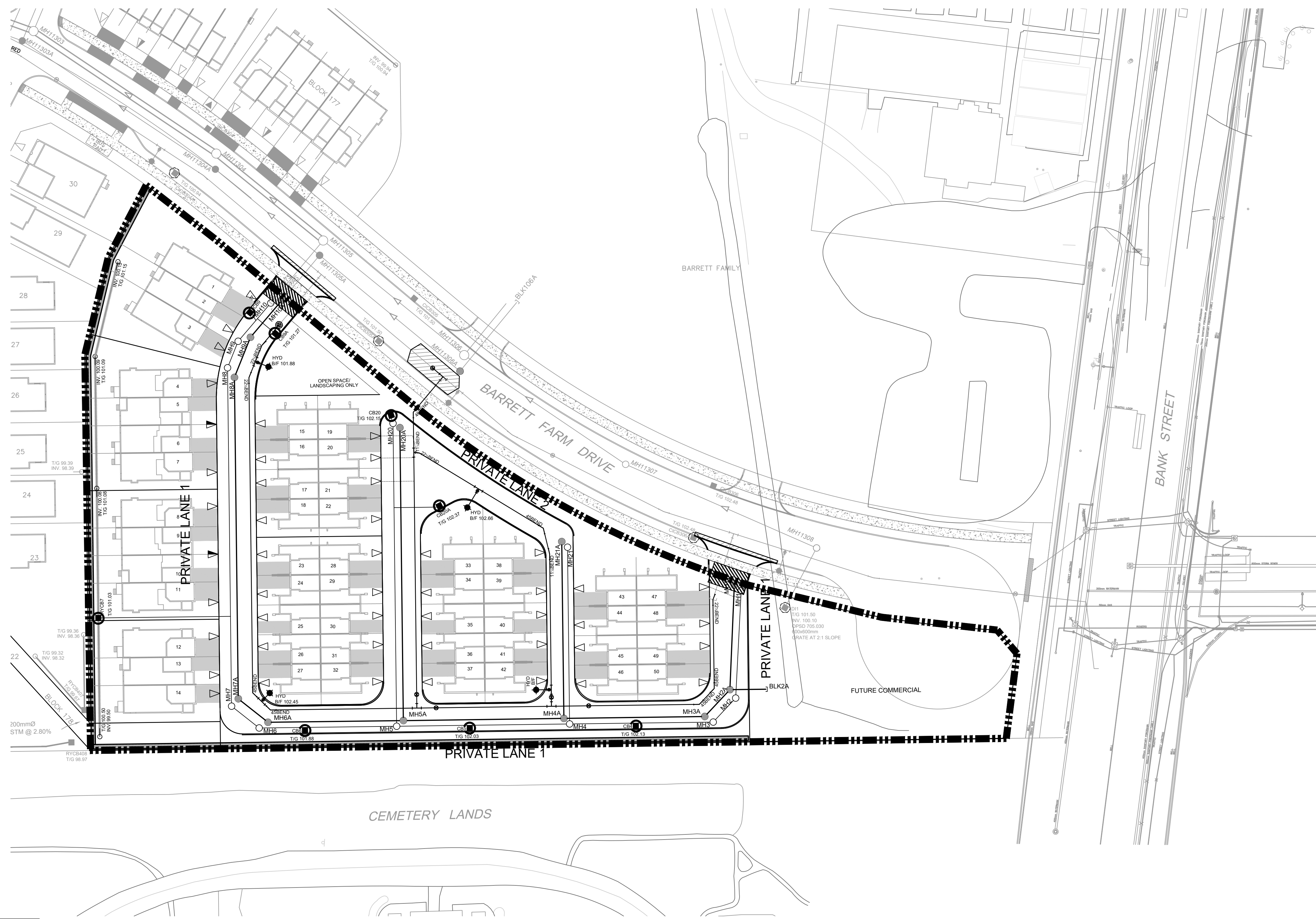
POND ID 5

TOP OF GRATE (m)	102.03
STATIC ELEV (m)	102.13
STATIC DEPTH (m)	0.10
STATIC VOLUME (m³)	1.32
100yr ELEV (m)	102.27
100yr + 20% ELEV (m)	102.29

POND ID 4

TOP OF GRATE (m)	102.13
STATIC ELEV (m)	102.23
STATIC DEPTH (m)	0.10
STATIC VOLUME (m³)	1.16
100yr ELEV (m)	102.36
100yr + 20% ELEV (m)	102.37

File Location: J:\135925_Barrett\andst.0_Production\7_03_Design\04_Civil\Sheet\600_PONDING PLAN.dwg Last Saved: February 10, 2023, by rmlme Printed: Wednesday, February 22, 2023 11:26:04 AM by Marian Mihre
 SCALE CHECK
 CITY FILE No. D07-12-22-0112
 CITY PLAN No. 18826



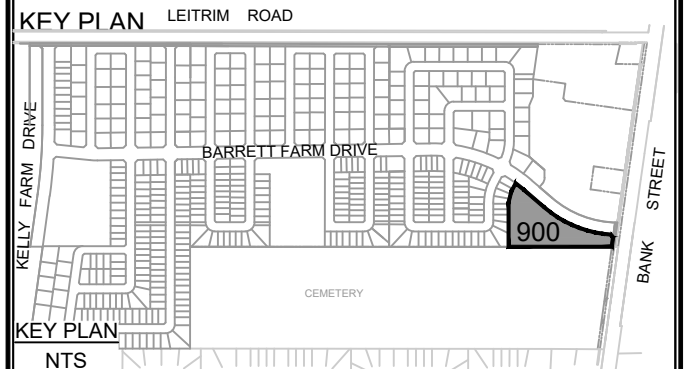
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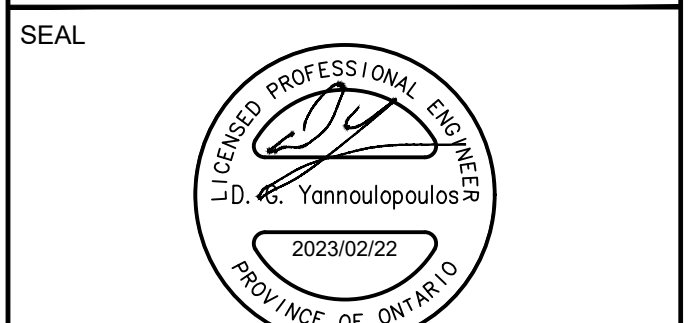
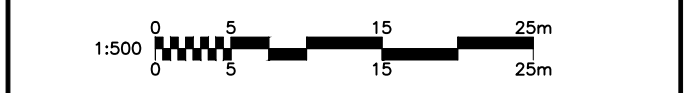
ISSUES

No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2022-05-10
2	SUBMISSION NO. 2 FOR CITY REVIEW	2022-11-25
3	SUBMISSION NO. 3 FOR CITY REVIEW	2023-01-09
4	ADD WM CONNECTION AND NOTES	2023-02-22
5		
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SEE 010, 011 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



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PROJECT
BARRETT BLOCK 178

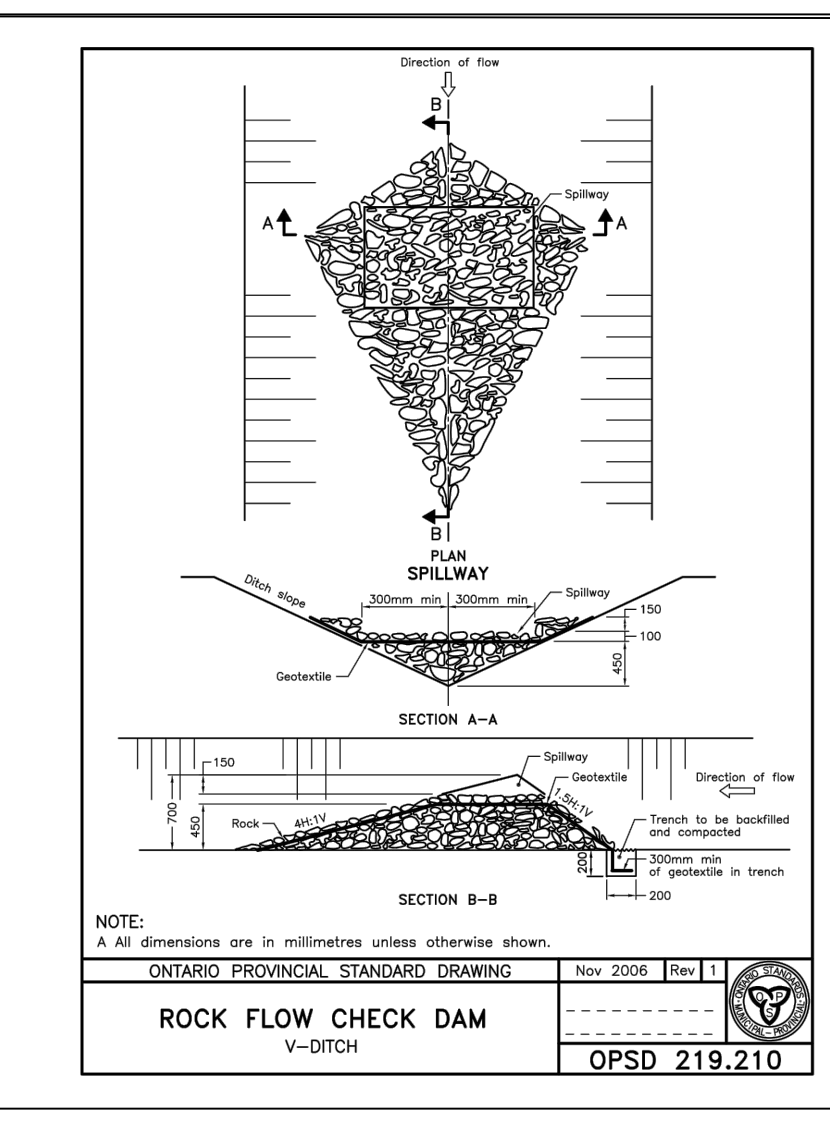
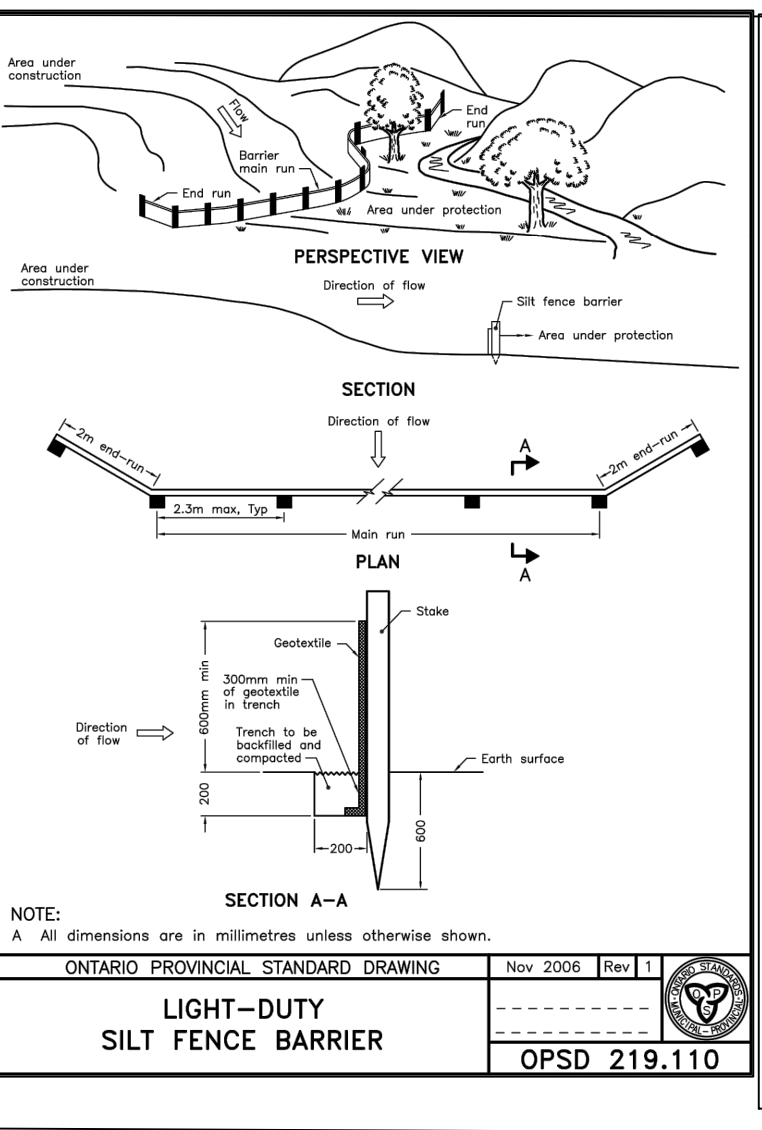
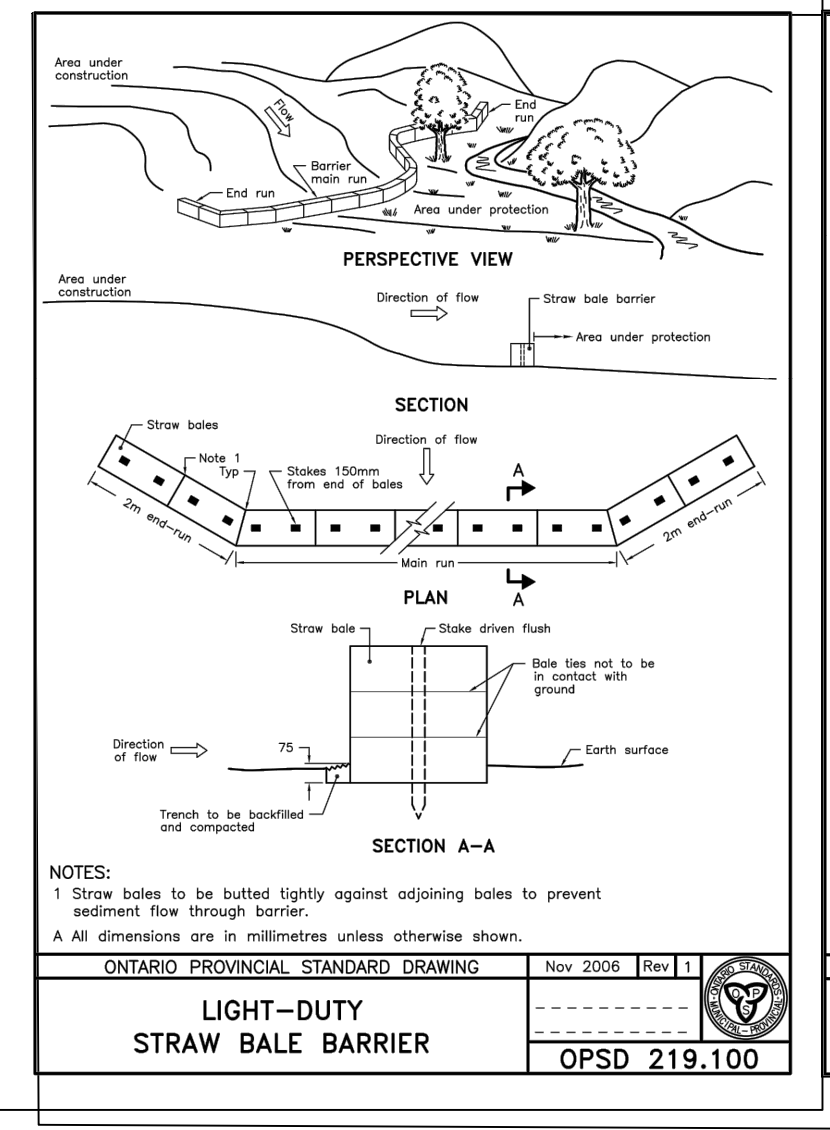
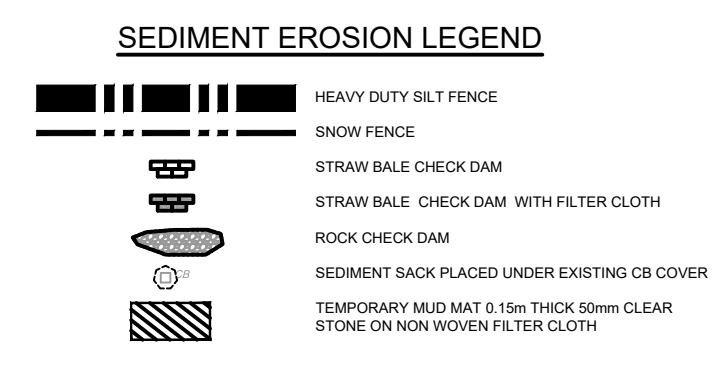
PROJECT NO:
135925

DRAWN BY: **M.M.** CHECKED BY: **A.C.**
PROJECT MGR: **R.M.** APPROVED BY: **J.I.M.**

SHEET TITLE
SEDIMENT AND EROSION CONTROL PLAN

SHEET NUMBER **900** ISSUE **4**

- NOTES:**
- SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
 - STRAW BALE SEDIMENT TRAPS TO BE CONSTRUCTED IN EXISTING ROAD SIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.
 - SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET C&B TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYC&BS TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
 - CONTRACTOR TO PROVIDE DETAILS ON LOCATION(S) AND DESIGN OF DEWATERING TRAP(S) PRIOR TO COMMENCING WORK. CONTRACTOR ALSO RESPONSIBLE FOR MAINTAINING TRAP(S) AND ADJUSTING SIZE(S) IF DEEMED REQUIRED BY THE ENGINEER DURING CONSTRUCTION.
 - CONTRACTOR TO PROTECT EXISTING CATCHBASINS WITH FILTER CLOTH UNDER THE COVERS TO TRAP SEDIMENTATION. REFER TO IDENTIFIED STRUCTURES.
 - IF DEEMED NECESSARY BY CITY INSPECTOR, LOCATION OF MUD MATS TO BE DETERMINED IN THE FIELD.
 - CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, INSPECTION, MAINTENANCE AND REMOVAL OF ALL CONTROL MEASURES.
 - THIS PLAN IS A "LIVING DOCUMENT" WHICH MAY BE REVISED IN THE EVENT THE CONTROL MEASURES ARE INSUFFICIENT.



CITY FILE No. D07-12-22-0112
Last Saved: February 10, 2023, by rmlhine
Plotted: Wednesday, February 22, 2023 11:26:32 AM by Marisa Milne
File Location: J:\135925_Barrett\03_Design\04_Civil\Sheet\000 SEDIMENT AND EROSION CONTROL PLAN.dwg