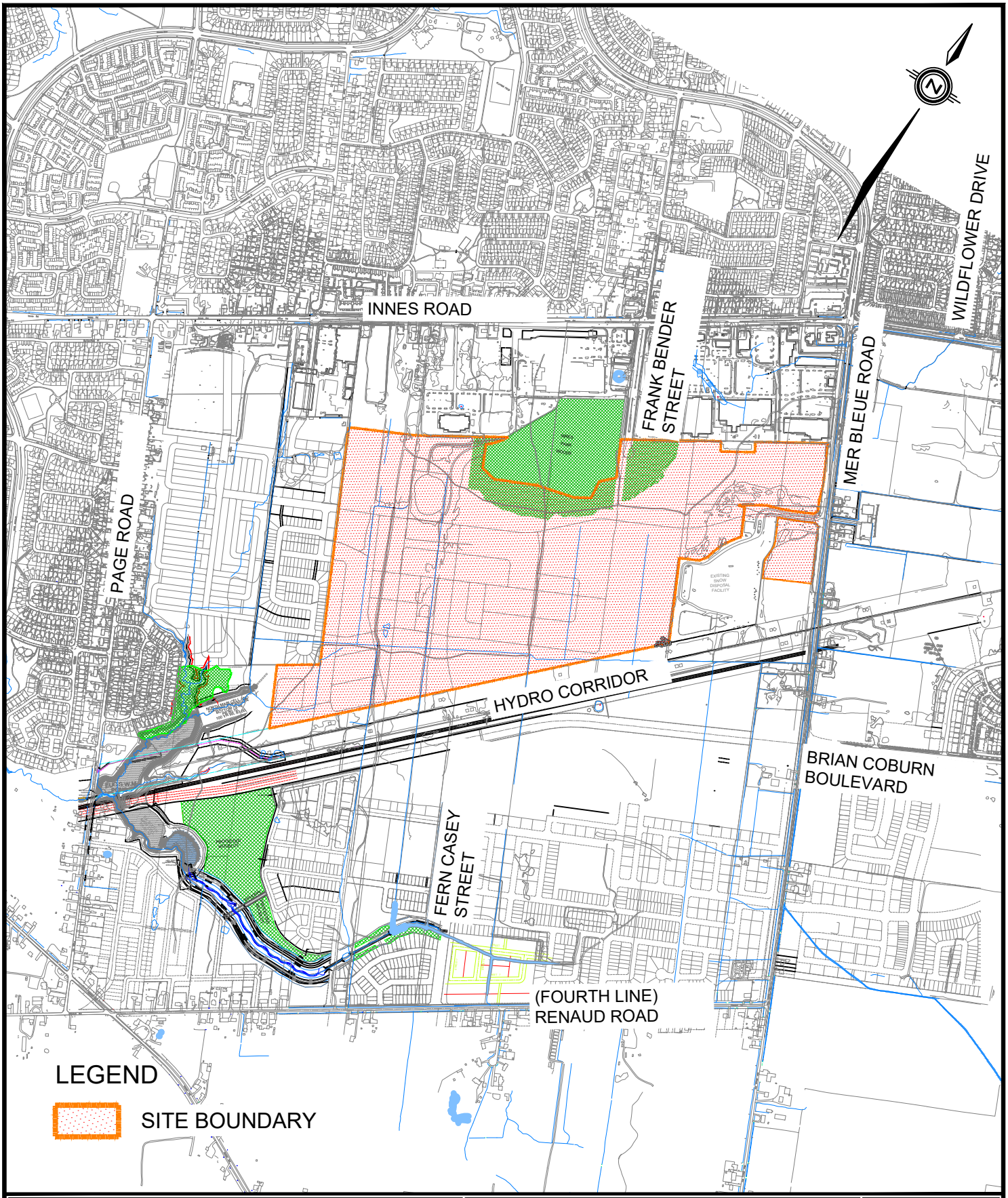
Figures & Drawings



TRAILSEDGE PHASE 5

SITE LOCATION

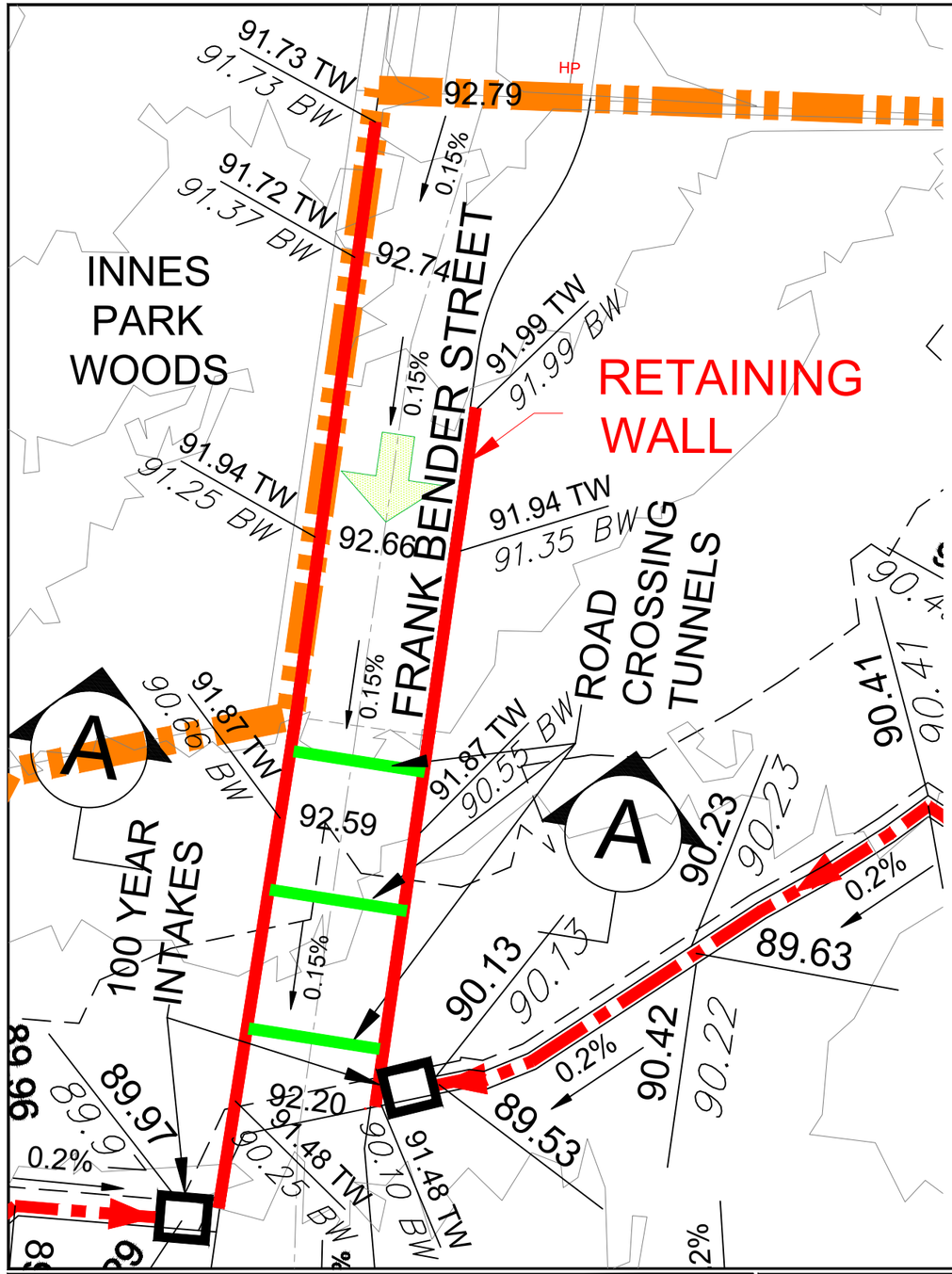
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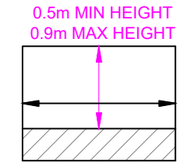
DATE: JUNE 2026

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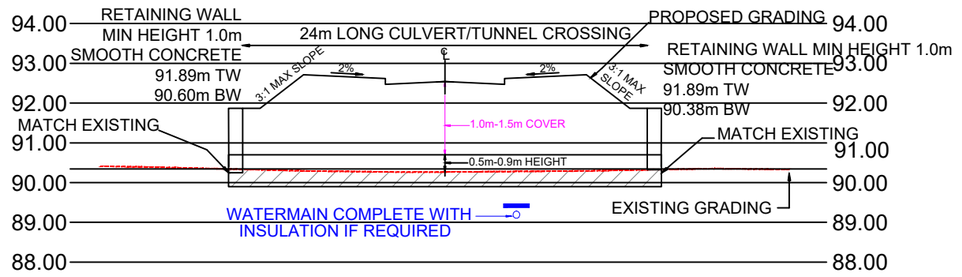
PROJECT No.: 20-1195

FIGURE: 1









Section A-A Snake Crossing

SCALE HOR. 1:350
VER. 1:150

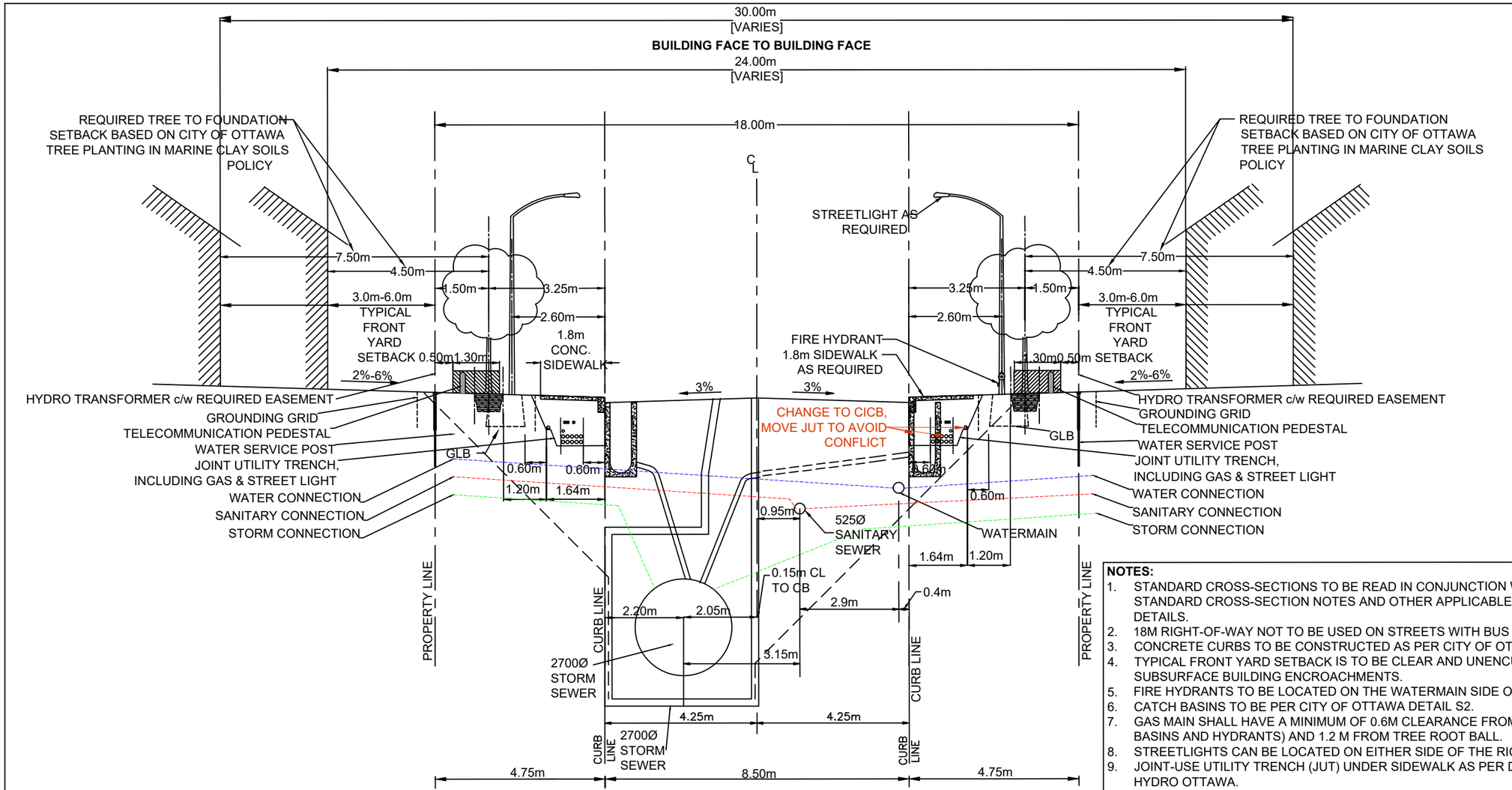
LEGEND

- ROAD CROSSING/TUNNEL
- SITE BOUNDARY
- 92.03 — PROPOSED ELEVATION
- 90.06 / 90.06 — PROPOSED ELEVATION / EXISTING ELEVATION
- 168.00 — EXISTING CONTOUR ELEVATION
- STORM OVERLAND FLOW ARROW

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TRAILSEDGE PHASE 5
TYPICAL SNAKE CROSSING

DATE:	JUNE 2026
SCALE:	1:1000
PROJECT No.:	20-1195
FIGURE	2



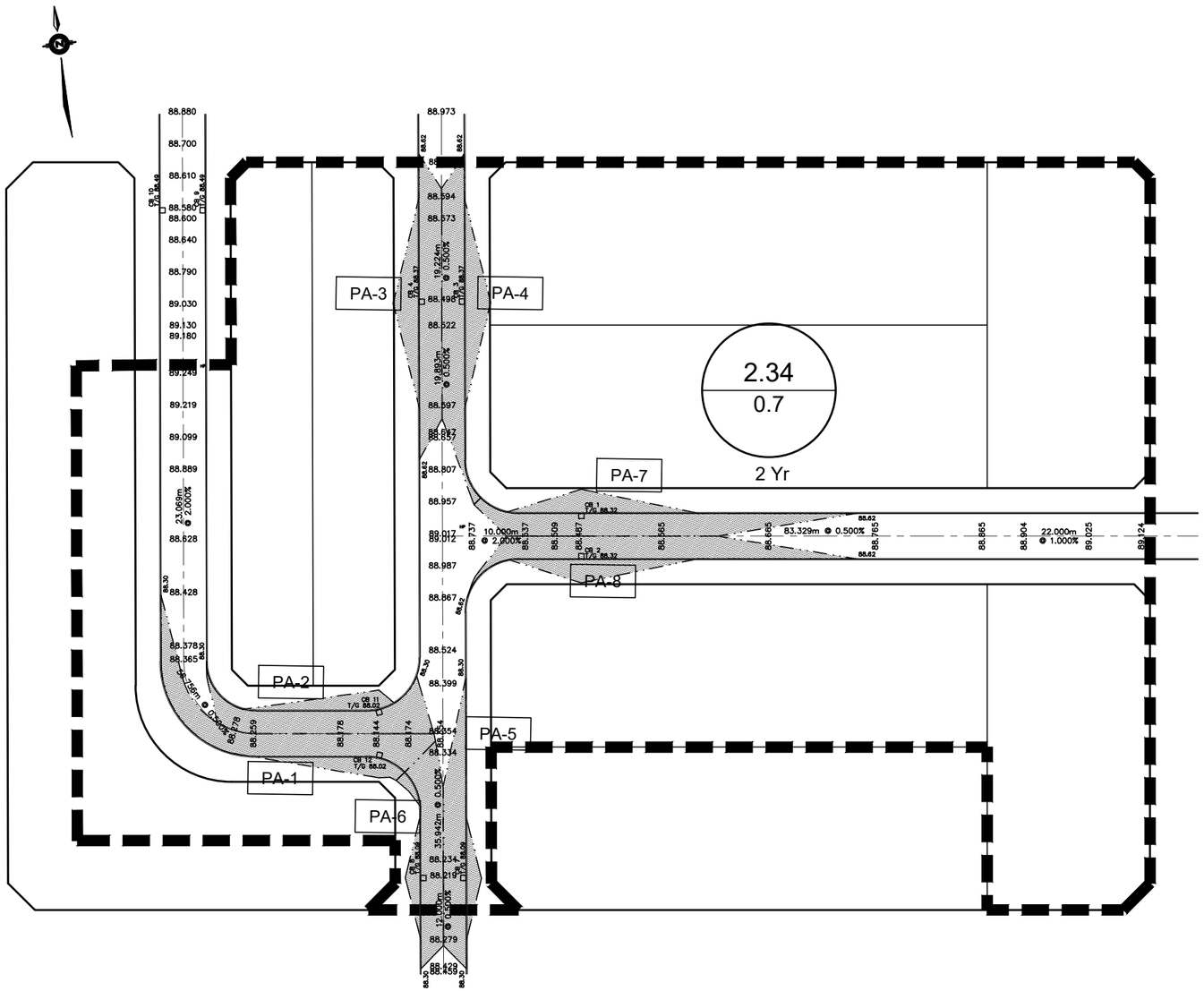
NOTES:

1. STANDARD CROSS-SECTIONS TO BE READ IN CONJUNCTION WITH THE GENERAL STANDARD CROSS-SECTION NOTES AND OTHER APPLICABLE CITY AND UTILITY PLANS AND DETAILS.
2. 18M RIGHT-OF-WAY NOT TO BE USED ON STREETS WITH BUS SERVICE.
3. CONCRETE CURBS TO BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD DETAILS.
4. TYPICAL FRONT YARD SETBACK IS TO BE CLEAR AND UNENCUMBERED OF ANY SUBSURFACE BUILDING ENCROACHMENTS.
5. FIRE HYDRANTS TO BE LOCATED ON THE WATERMAIN SIDE OF THE STREET.
6. CATCH BASINS TO BE PER CITY OF OTTAWA DETAIL S2.
7. GAS MAIN SHALL HAVE A MINIMUM OF 0.6M CLEARANCE FROM STRUCTURES E.G. CATCH BASINS AND HYDRANTS) AND 1.2 M FROM TREE ROOT BALL.
8. STREETLIGHTS CAN BE LOCATED ON EITHER SIDE OF THE RIGHT-OF-WAY.
9. JOINT-USE UTILITY TRENCH (JUT) UNDER SIDEWALK AS PER DETAIL UDS0049. HELD BY HYDRO OTTAWA.
10. GRADE LEVEL BOX (GLB) AS DRAWN SHOWS GLB3660. EXACT LOCATION TO BE CONFIRMED.
11. THIS CROSS-SECTION CANNOT BE USED WHERE A CONCRETE ENCASED HYDROELECTRIC DUCT OR ANOTHER SEPARATE UTILITY DUCT IS REQUIRED.
12. TREE CLEARANCES TO HYDRO OTTAWA PLANT SHALL FOLLOW GCS0038.
13. CLEARANCES SHOWN ARE MINIMUMS.

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TRAILSEDGE PHASE 5
18.0m ROW SECTION

DATE:	JUNE 2026
SCALE:	N.T.S.
PROJECT No.:	20-1195
FIGURE	3



PONDING VOLUME TABLE

AREA NUMBER	SPILL ELEVATION (m)	GUTTER ELEVATION (m)	MAXIMUM STATIC PONDING DEPTH (m)	MAXIMUM STATIC PONDING AREA (m^2)	MAXIMUM STATIC PONDING VOLUME (m^3)	Volume (round down to 1 decimal) (m^3)
PA-1	88.30	88.02	0.28	328.98	30.70	30.7
PA-2	88.30	88.02	0.28	260.60	24.32	24.3
PA-3	88.62	88.33	0.29	309.08	29.88	29.8
PA-4	88.62	88.33	0.29	323.10	31.23	31.2
PA-5	88.30	88.09	0.21	212.24	14.86	14.8
PA-6	88.30	88.09	0.21	215.43	15.08	15.0
PA-7	88.62	88.32	0.30	322.80	32.28	32.2
PA-8	88.62	88.32	0.30	317.87	31.79	31.7
				Sum of Vol=	210.14	m3
				Total Area =	2.34	Ha
				Vol/Area=	**89.80**	m3/Ha

CALCULATIONS:

DRAINAGE AREA = 2.34 Ha

TOTAL PONDING VOLUME = 210.14 m^3

PONDING VOL/Ha = 89.80 m^3/Ha

LEGEND:

STORM TRIB DRAINAGE AREA

PONDING AREA

PA-1 — PONDING AREA ID

103.45 — PROPOSED ELEVATION

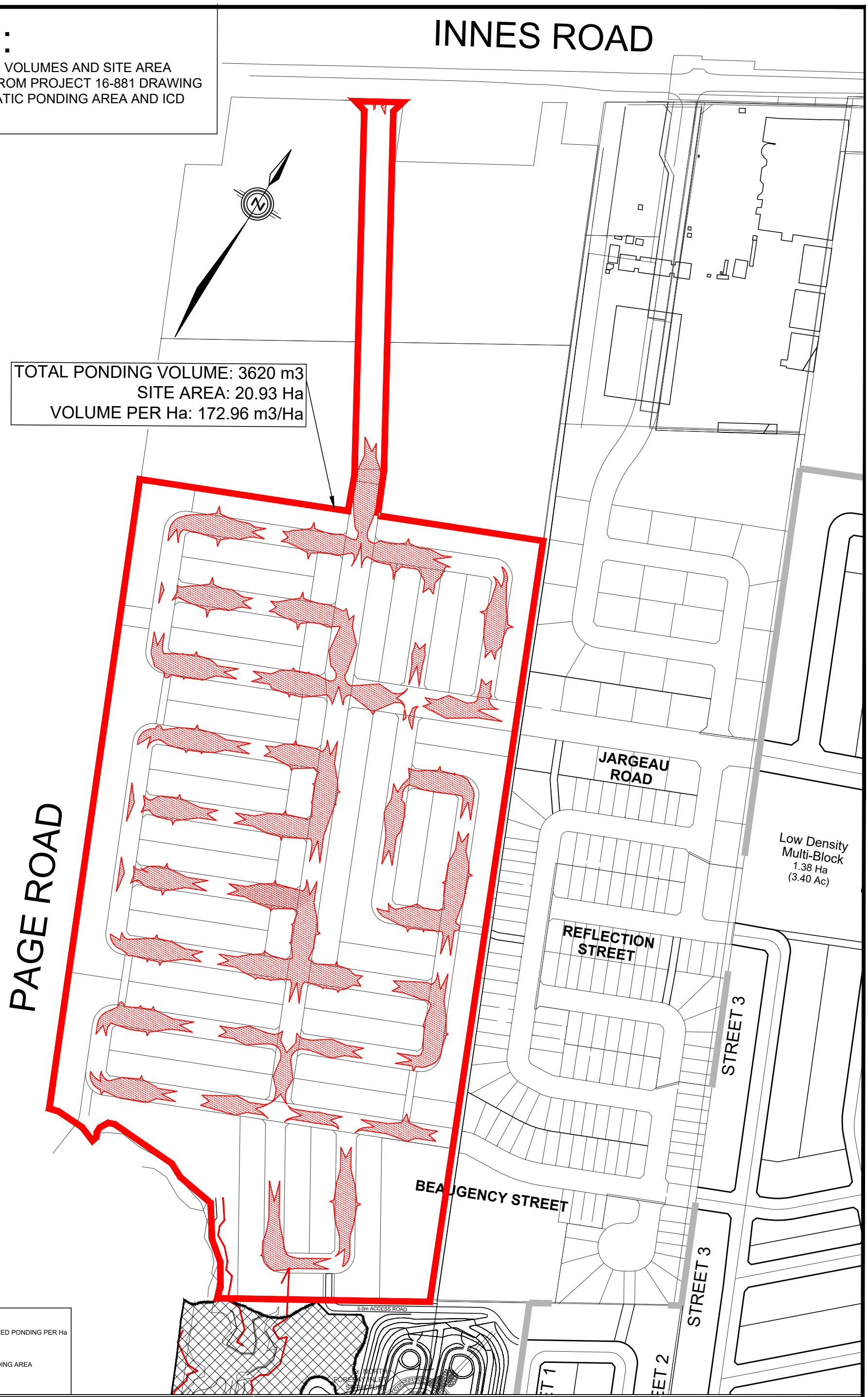
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TRAILSEDGE PHASE 5
PONDING VOLUME PER Ha

PROJECT No.:	20-1195
SCALE:	1:1000
DATE:	JUNE 2026
FIGURE:	4

NOTE:

TOTAL PONDING VOLUMES AND SITE AREA INFORMATION FROM PROJECT 16-881 DRAWING 72-100 YEAR STATIC PONDING AREA AND ICD PLAN.



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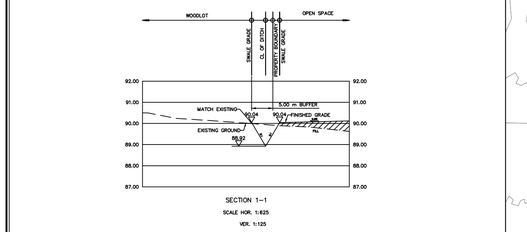
ORLEANS VILLAGE
SURFACE STORAGE AREA

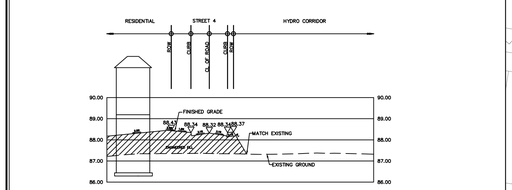
PROJECT No.: 20-1195

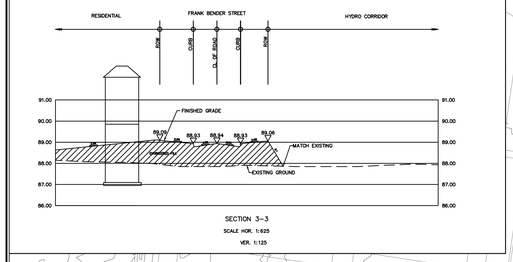
DATE: JUNE 2026

SCALE: NTS

FIGURE: 5





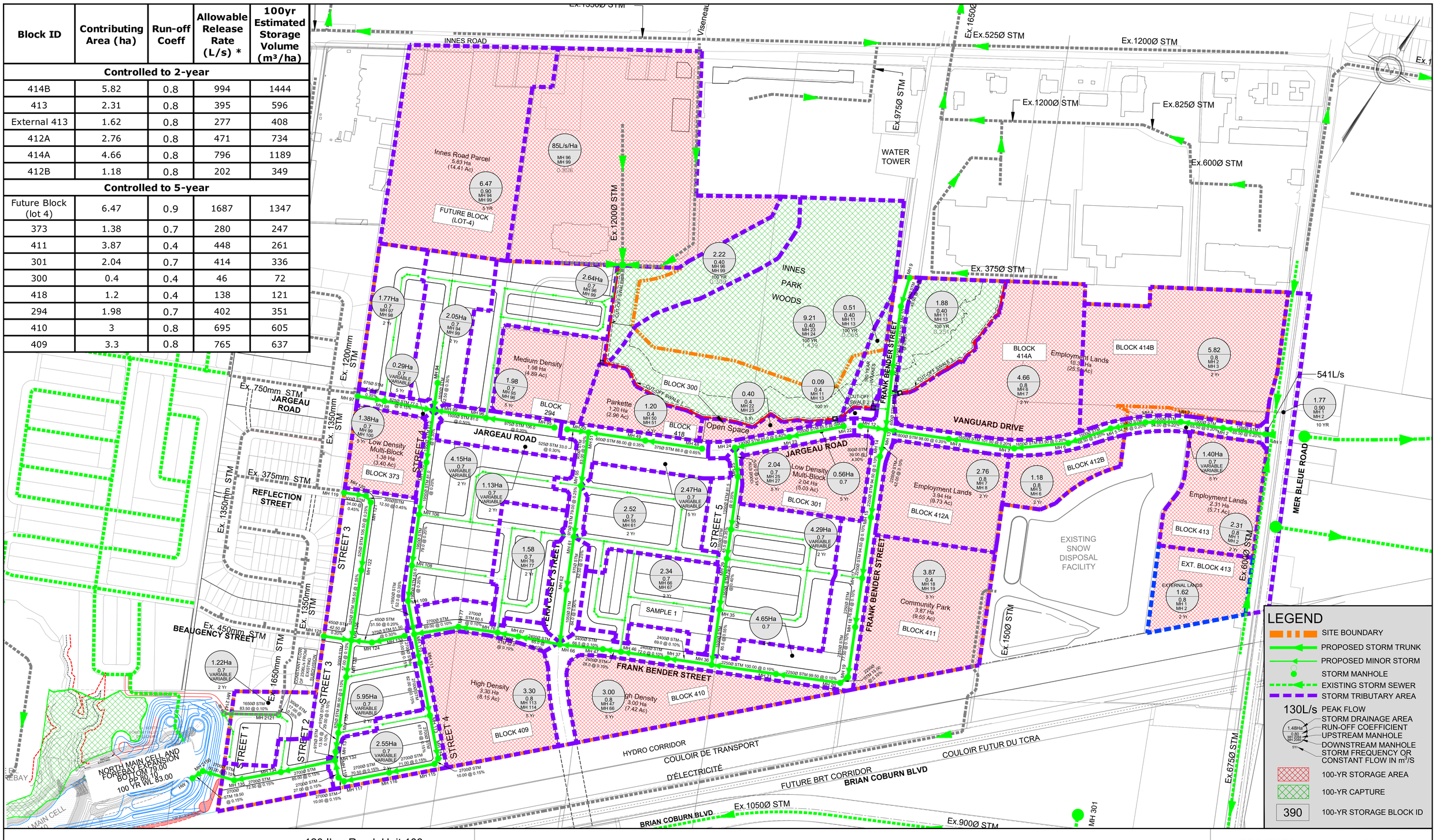


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TRAILSEDGE PHASE 5
GRADING PLAN

PROJECT No. :	20-1195
SCALE	1:2500
DATE:	MAY 2026
DRAWING No.	1

Block ID	Contributing Area (ha)	Run-off Coeff	Allowable Release Rate (L/s) *	100yr Estimated Storage Volume (m³/ha)
Controlled to 2-year				
414B	5.82	0.8	994	1444
413	2.31	0.8	395	596
External 413	1.62	0.8	277	408
412A	2.76	0.8	471	734
414A	4.66	0.8	796	1189
412B	1.18	0.8	202	349
Controlled to 5-year				
Future Block (lot 4)	6.47	0.9	1687	1347
373	1.38	0.7	280	247
411	3.87	0.4	448	261
301	2.04	0.7	414	336
300	0.4	0.4	46	72
418	1.2	0.4	138	121
294	1.98	0.7	402	351
410	3	0.8	695	605
409	3.3	0.8	765	637

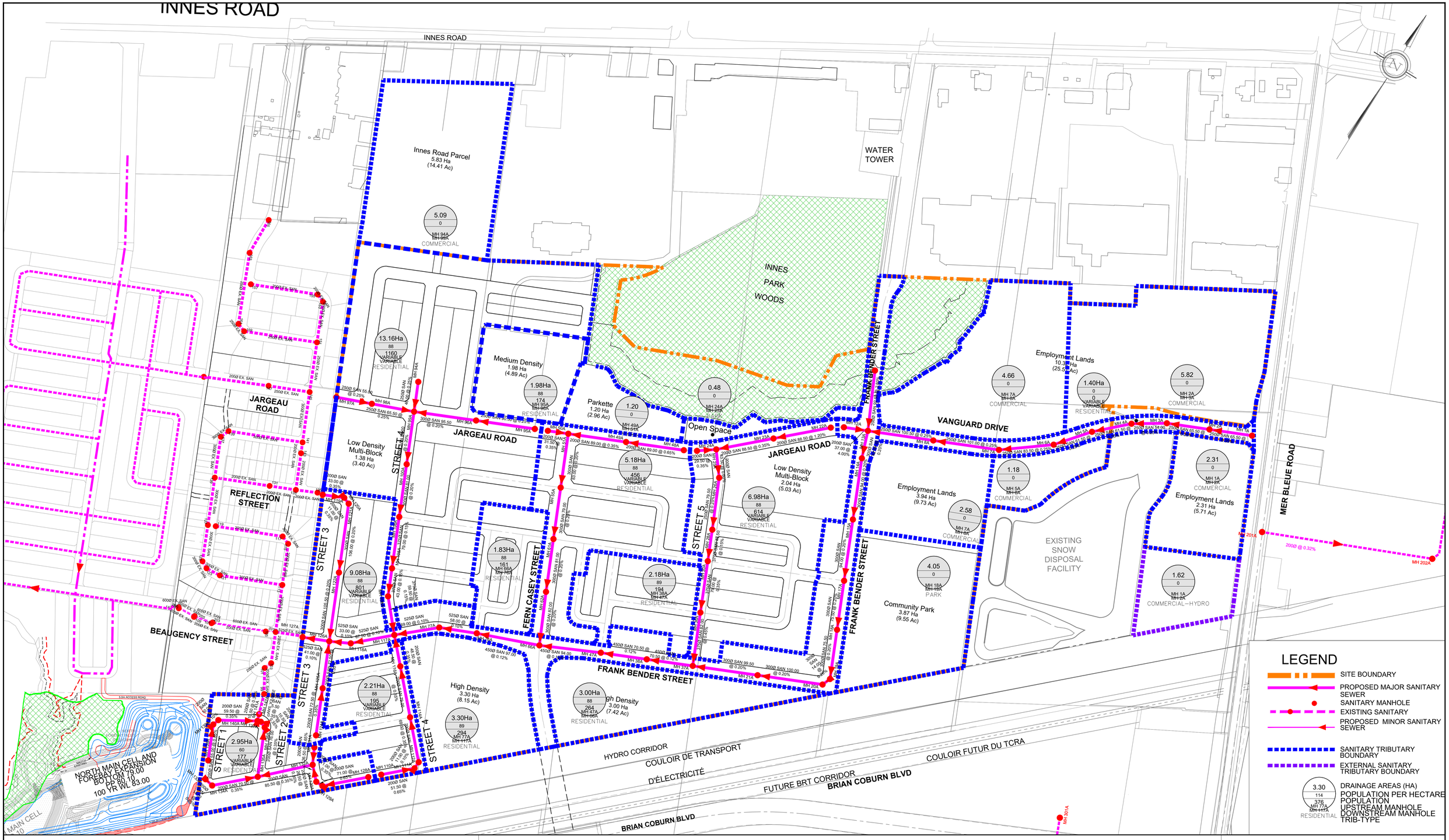


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TRAILSEDGE PHASE 5
STORM SERVICING PLAN

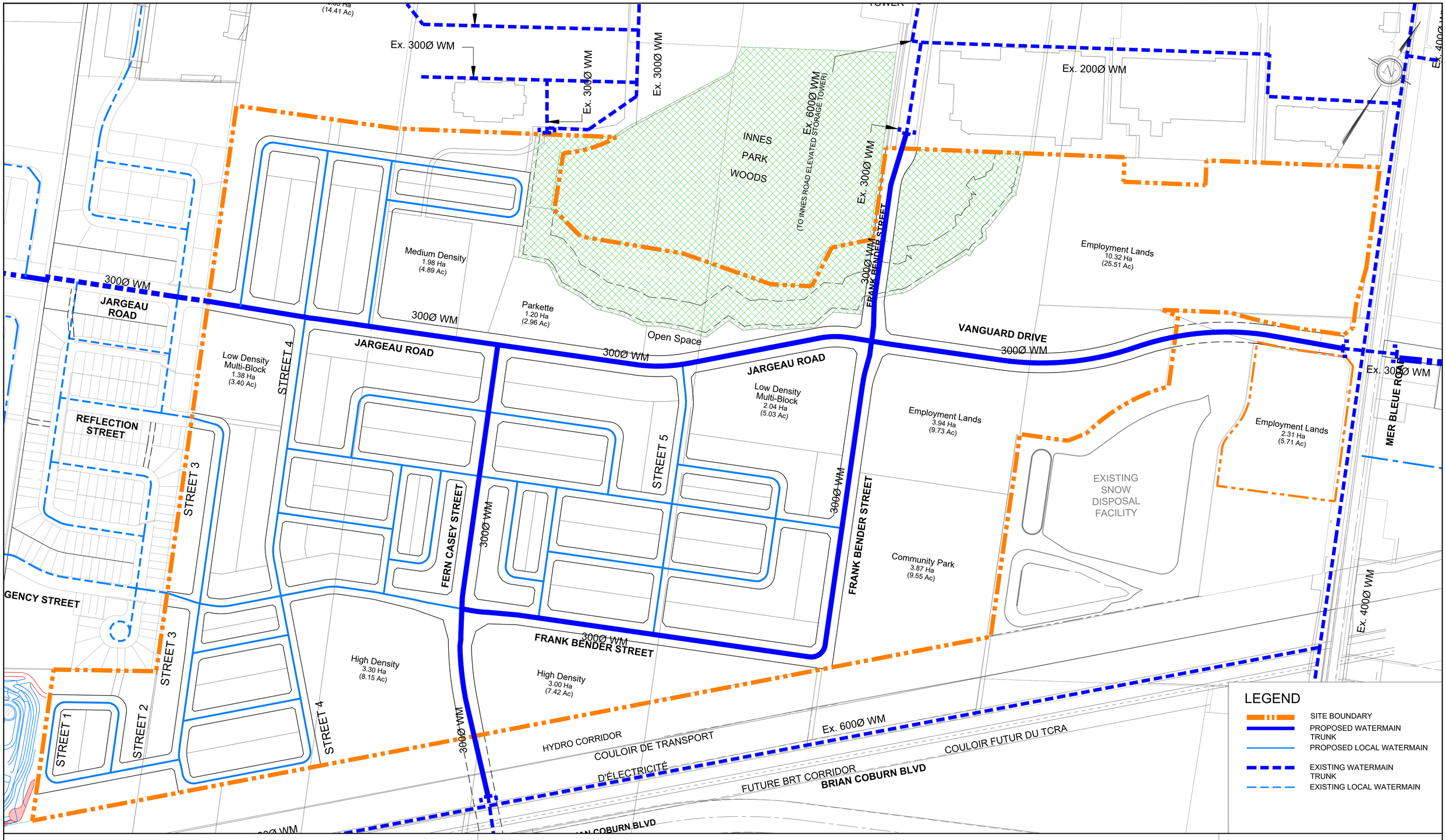
PROJECT No. :	20-1195
SCALE	1:2500
DATE:	MAY 2026
DRAWING No.	2



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TRAILSEDGE PHASE 5
SANITARY SERVICING PLAN

PROJECT No. :	20-1195
SCALE	1:2500
DATE:	MAY 2026
DRAWING No.	3

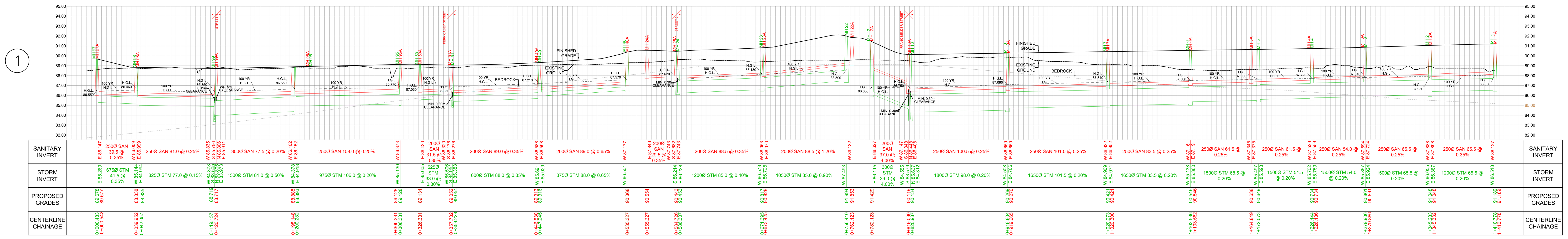


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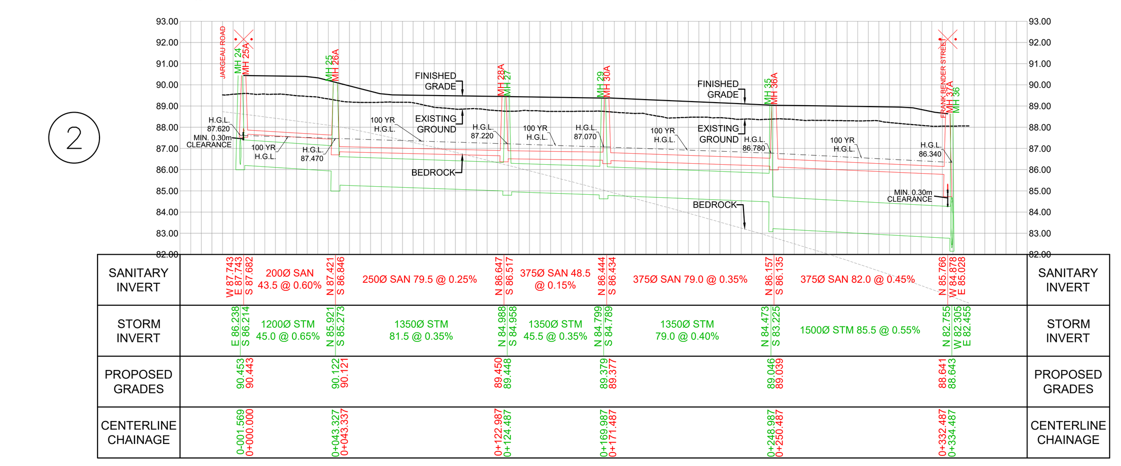
TRAILSEDGE PHASE 5
WATERMAIN SERVICING PLAN

PROJECT No. :	20-1195
SCALE	1:2000
DATE:	MAY 2026
DRAWING No.	4

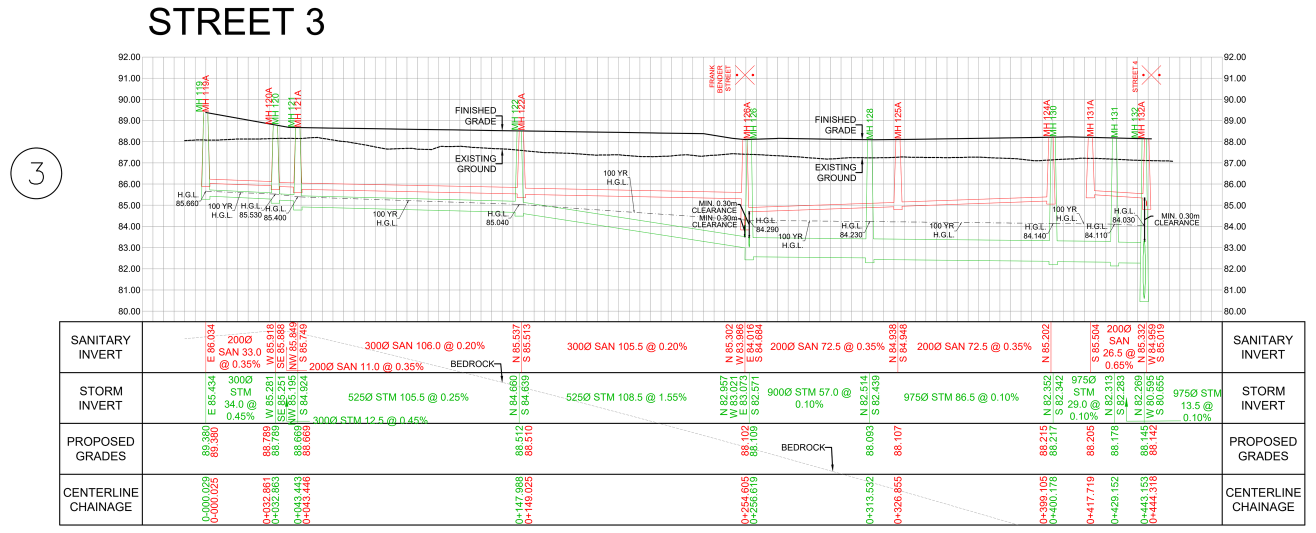
JARGEAU ROAD



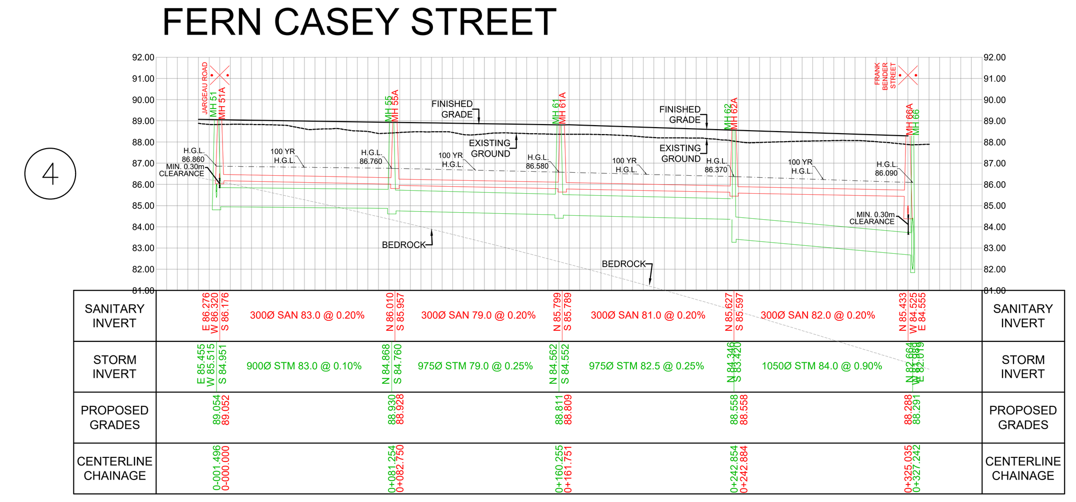
STREET 5



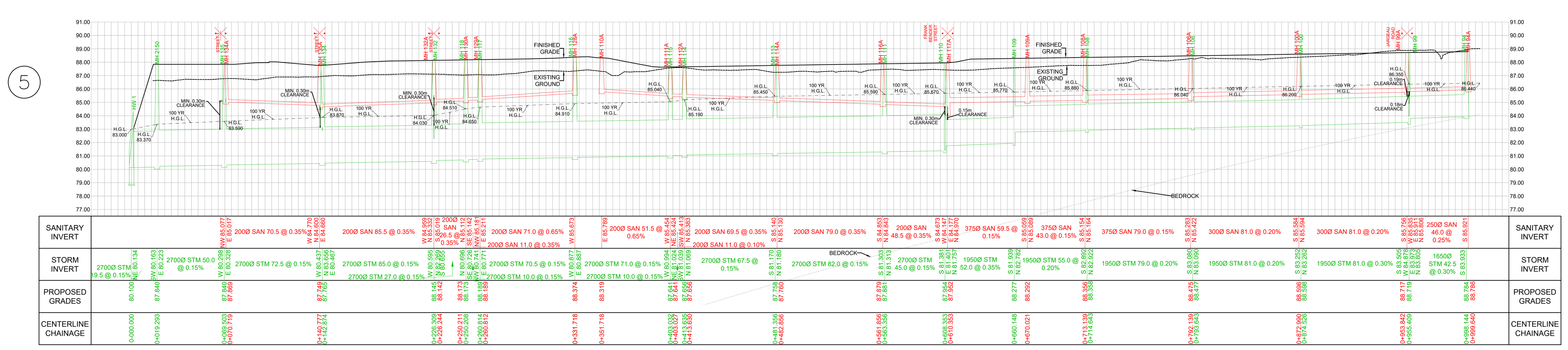
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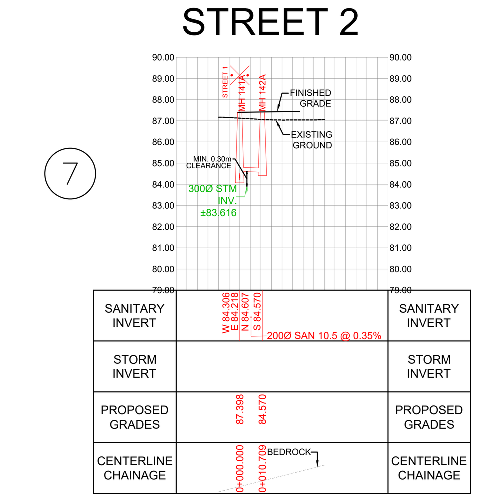
FERN CASEY STREET



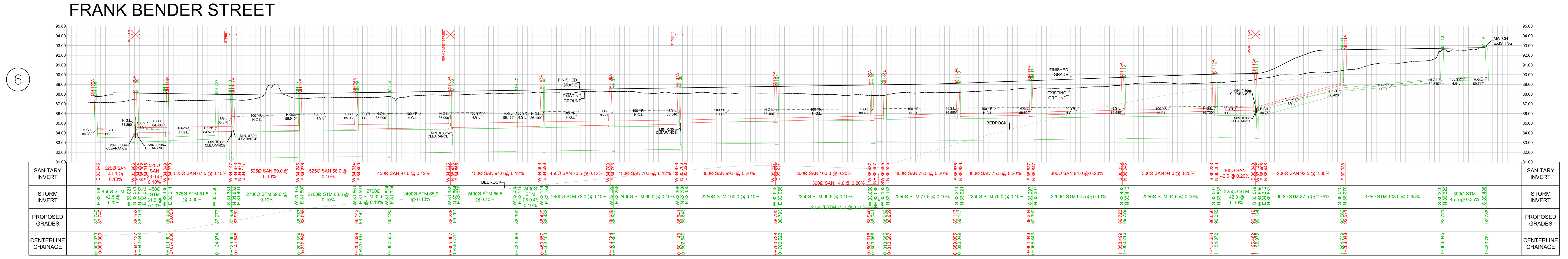
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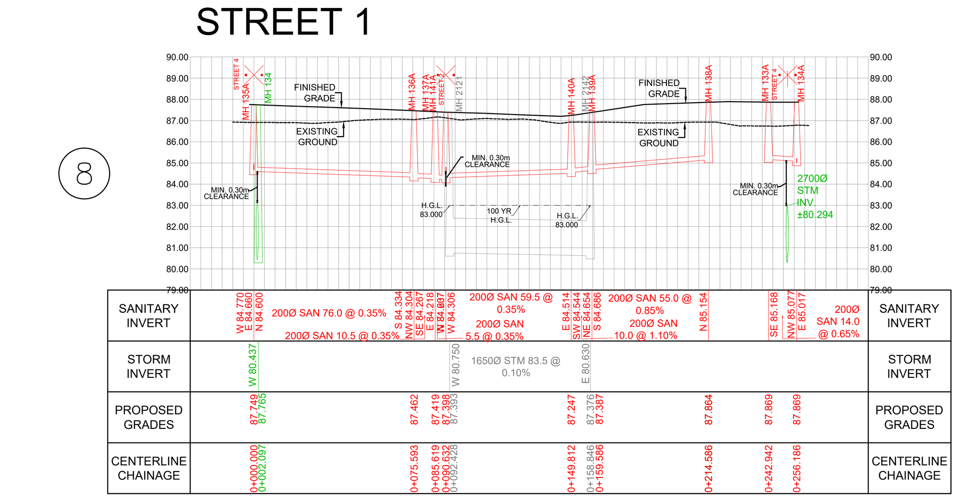
STREET 2



FRANK BENDER STREET



STREET 1



NOTE: BEDROCK ELEVATIONS FROM PATERSON BEDROCK CONTOUR PLAN PG3130-7 DATED APRIL, 2018

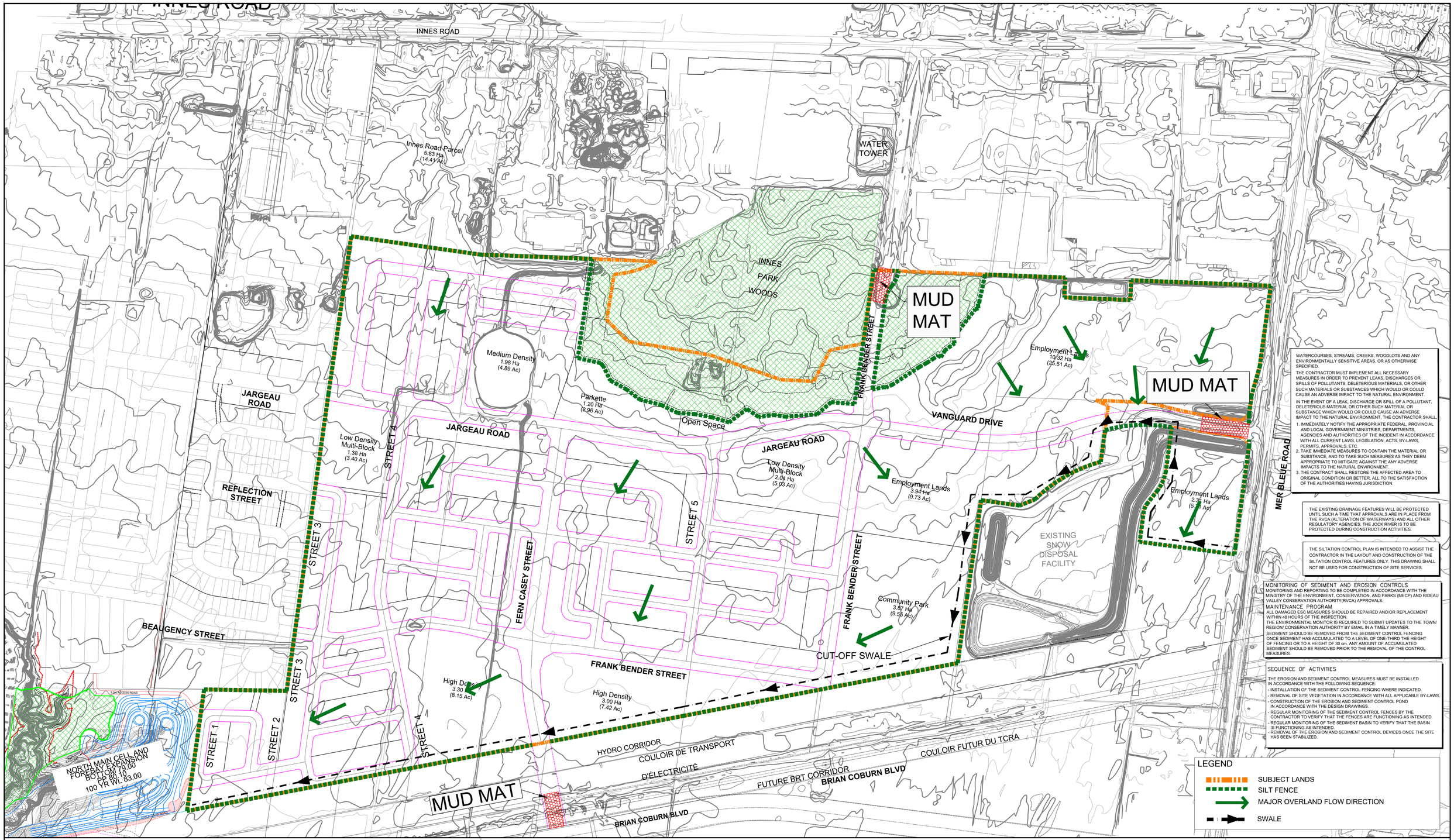
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TRAILSEDGE PHASE 5

CITY OF OTTAWA

PROFILES

SCALE:	H 1:2000 V 1:200	PROJECT No.:	20-1195
DATE:	JUNE 2026	DRAWING:	5



WATERCOURSES, STREAMS, CREEKS, WOODLOTS AND ANY ENVIRONMENTALLY SENSITIVE AREAS, OR AS OTHERWISE SPECIFIED.

THE CONTRACTOR MUST IMPLEMENT ALL NECESSARY MEASURES IN ORDER TO PREVENT LEAKS, DISCHARGES OR SPILLS OF POLLUTANTS, DELETERIOUS MATERIALS, OR OTHER SUCH MATERIALS OR SUBSTANCES WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT.

IN THE EVENT OF A LEAK, DISCHARGE OR SPILL OF A POLLUTANT, DELETERIOUS MATERIAL OR OTHER SUCH MATERIAL OR SUBSTANCE WHICH WOULD OR COULD CAUSE AN ADVERSE IMPACT TO THE NATURAL ENVIRONMENT, THE CONTRACTOR SHALL,

1. IMMEDIATELY NOTIFY THE APPROPRIATE FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT MINISTRIES, DEPARTMENTS, AGENCIES AND AUTHORITIES OF THE INCIDENT IN ACCORDANCE WITH ALL CURRENT LAWS, LEGISLATION, ACTS, BY-LAWS, PERMITS, APPROVALS, ETC.
2. TAKE IMMEDIATE MEASURES TO CONTAIN THE MATERIAL OR SUBSTANCE, AND TO TAKE SUCH MEASURES AS THEY DEEM APPROPRIATE TO MITIGATE AGAINST THE ANY ADVERSE IMPACTS TO THE NATURAL ENVIRONMENT.
3. THE CONTRACT SHALL RESTORE THE AFFECTED AREA TO ORIGINAL CONDITION OR BETTER, ALL TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.

THE EXISTING DRAINAGE FEATURES WILL BE PROTECTED UNTIL SUCH A TIME THAT APPROVALS ARE IN PLACE FROM THE RVCA (ALTERATION OF WATERWAYS) AND ALL OTHER REGULATORY AGENCIES. THE JOCK RIVER IS TO BE PROTECTED DURING CONSTRUCTION ACTIVITIES.

THE SILTATION CONTROL PLAN IS INTENDED TO ASSIST THE CONTRACTOR IN THE LAYOUT AND CONSTRUCTION OF THE SILTATION CONTROL FEATURES ONLY. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OF SITE SERVICES.

MONITORING OF SEDIMENT AND EROSION CONTROLS

MONITORING AND REPORTING TO BE COMPLETED IN ACCORDANCE WITH THE MINISTRY OF THE ENVIRONMENT, CONSERVATION, AND PARKS (MECP) AND RIDEAU VALLEY CONSERVATION AUTHORITY(RVCA) APPROVALS.

MAINTENANCE PROGRAM

ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACEMENT WITHIN 48 HOURS OF THE INSPECTION.

THE ENVIRONMENTAL MONITOR IS REQUIRED TO SUBMIT UPDATES TO THE TOWN/ REGION/ CONSERVATION AUTHORITY BY EMAIL IN A TIMELY MANNER.

SEDIMENT SHOULD BE REMOVED FROM THE SEDIMENT CONTROL FENCING ONCE SEDIMENT HAS ACCUMULATED TO A LEVEL OF ONE-THIRD THE HEIGHT OF FENCING OR TO A HEIGHT OF 30 cm. ANY AMOUNT OF ACCUMULATED SEDIMENT SHOULD BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURES.

SEQUENCE OF ACTIVITIES

THE EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE:

- INSTALLATION OF THE SEDIMENT CONTROL FENCING WHERE INDICATED.
- REMOVAL OF SITE VEGETATION IN ACCORDANCE WITH ALL APPLICABLE BY-LAWS.
- CONSTRUCTION OF THE EROSION AND SEDIMENT CONTROL POND IN ACCORDANCE WITH THE DESIGN DRAWINGS.
- REGULAR MONITORING OF THE SEDIMENT CONTROL FENCES BY THE CONTRACTOR TO VERIFY THAT THE FENCES ARE FUNCTIONING AS INTENDED.
- REGULAR MONITORING OF THE SEDIMENT BASIN TO VERIFY THAT THE BASIN IS FUNCTIONING AS INTENDED.
- REMOVAL OF THE EROSION AND SEDIMENT CONTROL DEVICES ONCE THE SITE HAS BEEN STABILIZED.

LEGEND

- SUBJECT LANDS
- SILT FENCE
- MAJOR OVERLAND FLOW DIRECTION
- SWALE

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TRAILSEDGE PHASE 5
EROSION AND SEDIMENT CONTROL PLAN

PROJECT No. :	20-1195
SCALE	1:2500
DATE:	MAY 2026
DRAWING No.	6