

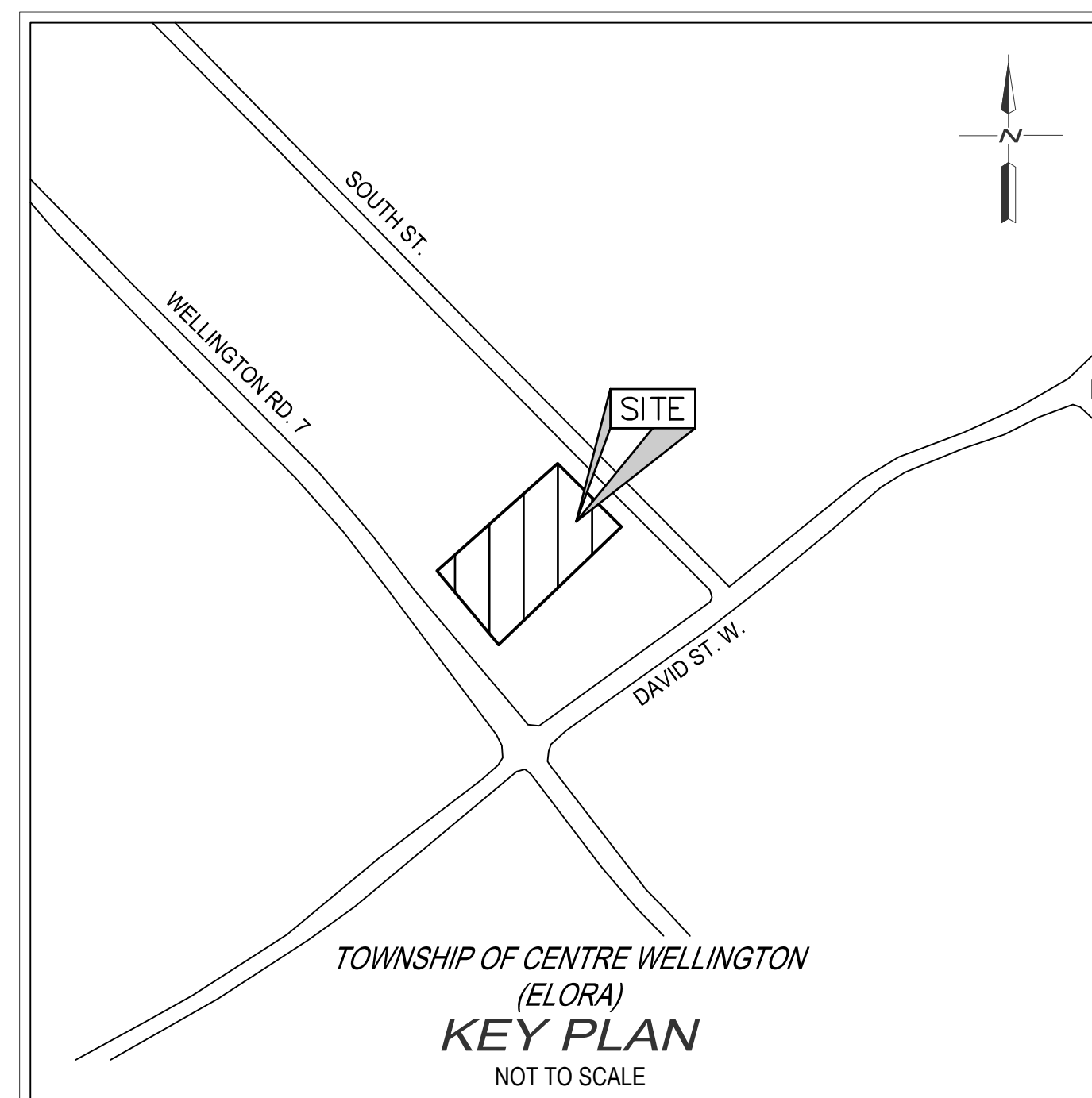
191 WELLINGTON ROAD 7 AND 290 SOUTH STREET

TOWNSHIP OF CENTRE WELLINGTON (ELORA)

CONTRACT 416149

DEVELOPER

JAMES KEATING CONSTRUCTION LIMITED
70 MATHIESON STREET
ELORA, ONT.
N0B 1S0



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GENERAL NOTES

- DRAWINGS ARE NOT TO BE SCALED.
- ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE SITE PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER BEFORE PROCEEDING.
- UNLESS OTHERWISE NOTED ON THE DRAWINGS THE STANDARD TOWNSHIP, REGION (OR COUNTY), MTO AND OPSD DRAWINGS AND OPSS ARE TO CONSTITUTE PART OF THIS CONTRACT AND DRAWINGS.
- REFER TO O.B.C. - 2012 STANDARDS AND SPECIFICATIONS AND TOWNSHIP OF CENTRE WELLINGTON SPECIFICATIONS AND STANDARD DRAWINGS FOR LIST OF APPROVED MANUFACTURERS AND MATERIALS.
- EXISTING STRUCTURES ARE NOT TO BE DISTURBED, NOR ENCROACHMENT ON ADJACENT PROPERTIES UNLESS INSTRUCTED BY THE ENGINEER.
- THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNERS CONTRACTOR FROM OBTAINING, BUT NOT LIMITED TO THE FOLLOWING PERMITS, ROAD CUTS, SEWER PERMITS, RELOCATION OF SERVICES, ENCROACHMENT AGREEMENTS, APPROACH APPROVAL, PERMITS, ETC.
- PRIOR TO CONSTRUCTION, THE ENGINEER IS TO BE NOTIFIED BY THE OWNER AND THE CONTRACTOR AS TO THE EXTENT OF THE CONSTRUCTION LIMITS THEY PROPOSE. THE TOWNSHIP, BUILDING AND PLUMBING OFFICIALS ARE TO BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE SERVICING PLANS, LANDSCAPE PLAN, SITE ELECTRICAL PLANS, AND ANY OTHER PLANS OR DRAWINGS WHICH DEPICT WORKS THAT ARE PROPOSED FOR THIS SITE.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE O.B.C. - 2012 STANDARDS AND SPECIFICATION, AS WELL AS ANY APPLICABLE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND STANDARD DRAWINGS AND TOWNSHIP OF CENTRE WELLINGTON STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS FOR THE TOWNSHIP AND THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR ONTARIO.
- THE CONTRACTOR SHALL ENDEAVOUR TO PREVENT MUD TRACKING ONTO EXISTING RIGHT-OF-WAYS AND SHALL PROVIDE FOR CLEANUP AT HIS OWN EXPENSE AS DIRECTED BY THE TOWNSHIP. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO CONTROL DUST ON THE PROJECT AND HE SHALL PROVIDE CONTROLLING MEASURES AS DIRECTED BY THE TOWNSHIP.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. LOCATION OF EXISTING UTILITIES TO BE VERIFIED.
- THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE TOWNSHIP.
- THE CONTRACTOR IS TO OBTAIN, AND PAY FOR ANY NECESSARY PERMITS FOR ANY MUNICIPAL ROAD CUTS OR FOR THE INSTALLATION OF SANITARY, STORM, AND WATER SERVICE CONNECTIONS. ROAD CUTS TO BE RESTORED AS PER TOWNSHIP SATISFACTION.
- BLASTING WILL NOT BE ALLOWED UNLESS AUTHORIZED BY THE TOWNSHIP.
- ANY UTILITY RELOCATIONS DUE TO THIS DEVELOPMENT TO BE UNDERTAKEN AT THE EXPENSE OF THE OWNER/DEVELOPER.
- ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF THE ENGINEER WHICH MUST BE RETURNED AT THE COMPLETION OF WORK.
- DRIVEWAYS SHALL BE SETBACK A MINIMUM CLEARANCE OF 1.0m FROM ALL ABOVEGROUND SERVICES OR OTHER OBSTRUCTIONS.
- ALL CONSTRUCTION WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.
- ANY CONFLICTS WITH EXISTING SERVICES SHALL BE RECTIFIED AT THE OWNERS EXPENSE.
- WHEN TOWNSHIP OF CENTRE WELLINGTON STANDARD DRAWINGS ARE REFERRED TO THEY SHALL BE IDENTIFIED AS STD - DRAWING NUMBER.
- TESTING OF ALL SERVICES BY GENERAL CONTRACTOR.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWNSHIP OF CENTRE WELLINGTON PUBLIC WORKS DEPARTMENT AND GANSBY AND MANNEROW LIMITED FOR THE COMPLETION OF ALL REQUIRED SITE INSPECTIONS.

GRADING

- THE GRADING PLANS ARE TO BE READ IN CONJUNCTION WITH THE PLAN AND PROFILE DRAWINGS.
- CONTRACTOR TO RESTORE AREAS ON PUBLIC R.O.W. OR ADJACENT LANDS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION TO A PREVIOUS OR BETTER CONDITION.
- ALL DRIVEWAY AND GRADING MATERIAL AND CONSTRUCTION METHODS MUST CONFORM TO CURRENT TOWNSHIP STANDARDS AND SPECIFICATIONS.
- ALL FILL WITHIN THE SITE TO BE COMPACTED TO A MIN. OF 98% Std. PROCTOR DRY DENSITY. ALL FILL WITHIN THE SITE PARKING AREA TO BE COMPACTED TO A MIN. OF 95% SPD. THE SUITABILITY OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A RECOGNIZED SOILS CONSULTANT TO THE DIRECTOR OF PUBLIC WORKS PRIOR TO INSTALLATION OF ANY ROAD BASE MATERIALS.
- LANDSCAPING SHALL NOT ENCROACH ON BOULEVARD NOR SHALL BOULEVARD GRADES BE ALTERED.
- SILT FENCE(S) TO BE INSTALLED AND MAINTAINED TO PREVENT SILT FLOWING ONTO ADJACENT LANDS. SILTATION CONTROL METHODS ARE TO BE AS NOTED ON DWG. 18 IN THE LOCATIONS SHOWN ON THAT DRAWING AND SHALL BE ERECTED PRIOR TO ANY GRADING OR CONSTRUCTION AND SHALL BE IN GOOD REPAIR THROUGHOUT THE CONSTRUCTION AND GRADING PHASES.
- ANY CHANGES IN GRADES, CATCH BASINS, SERVICE LATERALS, STORM AND SANITARY SEWERS REQUIRE THE APPROVAL OF GANSBY AND MANNEROW CONSULTING ENGINEERS LIMITED.
- THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE TOWNSHIP.
- ALL LANDSCAPING TO BE INSTALLED AS SOON AS POSSIBLE OR PRIOR TO THE END OF THE FIRST GROWING SEASON. LANDSCAPING TO BE MAINTAINED UNTIL IT IS ESTABLISHED.
- ALL LOTS SHALL BE TREATED WITH 300mm OF PERMEABLE TOPSOIL.
- CONSTRUCTION ACCESS SHALL BE CONSTRUCTED WITH A 25.0mx4.0m STONE MUD MAT TO A DEPTH OF 150mm PLACED ON WOVEN GEOTEXTILE.
- ALL CURBS ARE TO BE 150mm ABOVE THE PROPOSED GUTTER LINE (GL) UNLESS NOTED OTHERWISE.
- PAVEMENT GRADE (MIN. 0.5%, MAX. 8%).
- DRAINAGE SWALES WITH GRADES (MIN. 2%, MAX. 7%).
- SLOPES IN LANDSCAPE AREAS AND ON BERMS SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.
- ALL COMPACTION TO BE CERTIFIED BY A GEOTECHNICAL CONSULTANT.

CURBING/SIDEWALKS/ASPHALT/DRIVEWAYS:

- ALL PROPOSED INTERNAL CURBING TO BE CURB & GUTTER TYPE AS PER O.P.S.D. 600.040. ALL TOPS OF CURBS TO BE 150mm ABOVE PROPOSED GUTTER LINE, UNLESS OTHERWISE NOTED.
- ALL REQUIRED CURB CUTTING AT ENTRANCE AND CURB DEPRESSIONS AT SIDEWALK CROSSINGS SHALL BE INSTALLED TO THE SATISFACTION OF THE TOWNSHIP AND AS PER TOWNSHIP STANDARDS AND SPECIFICATIONS.
- ALL PROPOSED ROAD CUTS TO BE PERFORMED AND RESTORED TO THE SATISFACTION OF TOWNSHIP FORCES UPON APPLICATION.
- ALL CONCRETE SIDEWALKS TO BE MINIMUM 125mm THICK (175mm THROUGH ENTRANCES) AND HAVE 150mm GRANULAR 'A' BEDDING (98% SPD).
- DRIVEWAY CURBS MUST BE FLUSH ON EITHER SIDE OF THE SIDEWALK FOR A MINIMUM OF 0.3m
- CONCRETE SIDEWALKS AND SIDEWALK RAMPS AS PER OPSD 310.010, AND OPSD 310.030 MUNICIPAL SIDEWALK TO BE 125mm THICK, 150mm GRANULAR 'A' BASE, 98% SPD, WITH 30 MPa CONCRETE, 7% AIR, AND No. 9 GAUGE MESH AT ENTRANCES, WIDTH AS PER EXISTING.
- EXISTING SIDEWALKS TO BE REMOVED AND REPLACED AS REQUIRED TO MATCH PROPOSED DRIVEWAY GRADES, INCLUDING ADDITIONAL PANELS ON EACH SIDE OF DRIVEWAY TO PROVIDE A SMOOTH TRANSITION (0.5 TO 4.0%).

SERVICING NOTES

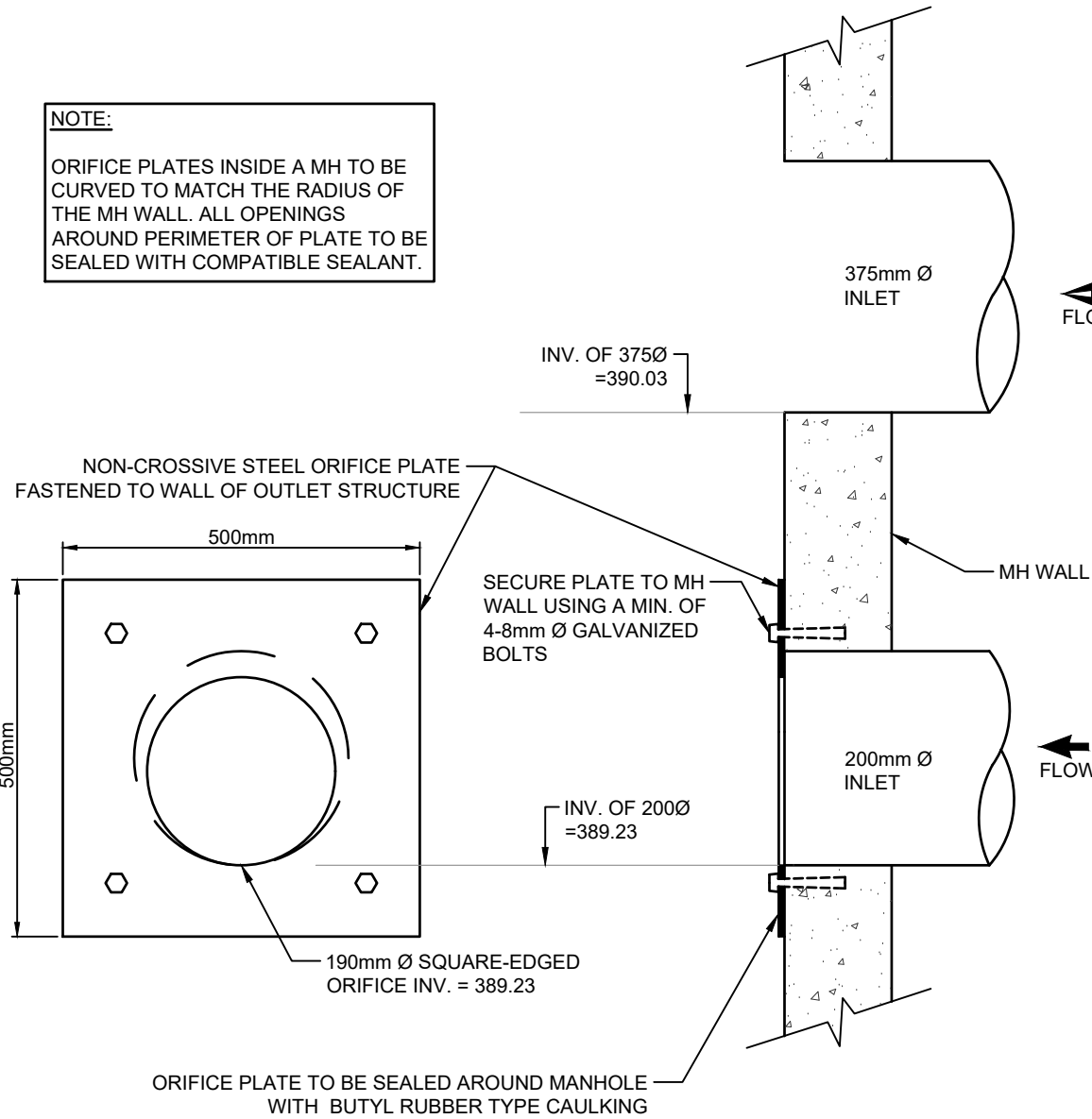
STORM

- ALL STORM SEWERS 375mmØ AND SMALLER TO BE PVC SDR 35 IN ACCORDANCE WITH CSA-B182.2, ASTM D-2779 AND ASTM D-3034 OR LATEST REVISIONS. 450mmØ AND LARGER TO BE CONCRETE IN ACCORDANCE WITH CSA A257.2, CLASS 65D OR LATEST REVISIONS, UNLESS OTHERWISE NOTED. ROOF TOP STORM LEADS 200mmØ AND SMALLER TO BE PVC SDR 28. REAR LOT CATCH BASIN LEADS SHALL BE CONCRETE.
- BEDDING FOR PVC STORM SEWERS AS PER OPSD 802.010, GRANULAR 'A' COMPACTED TO 95% SPD.
- BEDDING FOR CONCRETE PIPE AS PER OPSD-802.030, CLASS B, GRANULAR 'A', COMPACTED TO 98% SPMD.
- EXISTING SEWER INVERTS, MATERIAL TYPE, AND SIZE TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT
- ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO THE SATISFACTION OF THE TOWNSHIP OF CENTRE WELLINGTON DIRECTOR OF PUBLIC WORKS.
- ALL CATCHBASINS SHALL BE INSTALLED IN ACCORDANCE WITH OPSD 705.010, ALL CATCHBASIN FRAMES AND COVERS AS PER OPSD 400.110, ROAD CATCHBASINS AND CATCHBASIN MANHOLES SHALL HAVE COVERS AS PER OPSD 400.082Z2 AND COMPLETE WITH VERTICAL BARS.
- AT ALL CATCHBASINS & CATCHBASIN MANHOLES PROVIDE 100mmØ PERFORATED CORRUGATED PLASTIC SUBDRAINS WITH FACTORY INSTALLED FILTER SOCK. RUN SUBDRAIN CONTINUOUSLY ALONG ALL CURBS AND CONNECT ENDS TO CATCHBASINS AND CATCHBASIN MANHOLES.
- ALL EXISTING SEWERS ARE TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
- ALL STORM MANHOLE AND CATCH BASIN MANHOLE SIZES TO BE 1200mmØ UNLESS OTHERWISE NOTED ON THE PLAN AND PROFILE DRAWINGS
- PRECAST MANHOLES TO BE MANUFACTURED TO REQUIREMENTS OF CSA A257.4 AND A.S.T.M. DESIGNATION C478M. 1200Ø MANHOLES AS PER OPSD 701.010 1500Ø MANHOLES AS PER OPSD 701.011 MANHOLE FRAMES AND COVERS ARE TO BE SELF-LEVELLING (EAST JORDAN IRON WORKS - PRODUCT No. 00302202 OR BIBBY-STE-CROIX) OR APPROVED EQUIVALENT
- ALL CATCHBASIN LEADS TO BE 250mmØ. ALL DOUBLE CATCHBASIN LEADS TO BE 300mmØ PVC SDR 35 IN ACCORDANCE WITH CSA-B182.2, ASTM D-2779 AND ASTM D-3034 OR LATEST REVISIONS. (UNLESS OTHERWISE NOTED). ALL REAR YARD CATCHBASIN LEADS TO BE 300mmØ CONCRETE @ 0.5% (UNLESS OTHERWISE NOTED).
- ALL 300mmØ CONCRETE PIPE TO BE NON REINFORCED CONCRETE PIPE CLASS 3 (EXTRA STRENGTH) AS PER ASTM C14 AND CSA 257.1.
- ALL TESTING OF STORM SERVICES TO BE IN ACCORDANCE WITH O.B.C. - 2012 AND TOWNSHIP SPECIFICATIONS.
- ALL 450mmØ PIPES AND UNDER REQUIRE A 600mm SUMP IN CATCHBASINS AND MANHOLES. BENCHING IS REQUIRED FOR PIPES 450mmØ AND GREATER.
- ALL CONNECTIONS TO STORM MANHOLES TO BE MADE WITH BRICK, BLOCK AND NO-SHRINK GROUT.
- MANHOLE STEPS ARE TO BE PROVIDED AS PER OPSD 405.010.
- ALL STORM SERVICES ARE TO BE 100Ø, GREEN, PVC SDR-28 AND INSTALLED 2.0m FROM LOW LOT CORNER (1.5m FOR TOWNHOUSE UNITS), UNLESS OTHERWISE NOTED.

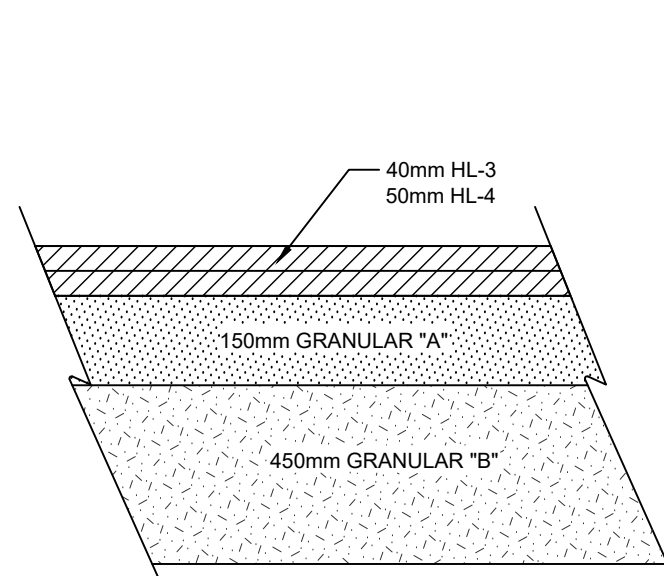
SANITARY

- ALL SANITARY SEWERS ARE TO BE PVC-DR 35 IN ACCORDANCE WITH CSA-B182.2, ASTM D-2779 AND ASTM D-3034 OR LATEST REVISIONS, RUBBER GASKET. SERVICES TO BE PVC-DR 28.
- EXISTING SEWER INVERTS, MATERIAL TYPE, AND SIZE TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- PROVIDE WATER TIGHT COVERS FOR SANITARY MANHOLES LOCATED IN PONDING AREAS.
- PRECAST MANHOLES TO BE MANUFACTURED TO REQUIREMENTS OF CSA A257.4 AND A.S.T.M. DESIGNATION C478M. 1200Ø MANHOLES AS PER OPSD 701.010 1500Ø MANHOLES AS PER OPSD 701.011
- MANHOLE FRAMES ARE TO BE SELF-LEVELLING (EAST JORDAN IRON WORKS - PRODUCT No. 00302202 OR BIBBY-STE-CROIX) OR APPROVED EQUIVALENT AND COVERS ARE TO BE AS PER OPSD 401.010 TYPE 'A' MANHOLE STEPS ARE TO BE HOLLOW ALUMINUM AS PER OPSD 405.010
- BENCHING AS PER OPSD 701.021, TO SPRING LINE OF PIPE.
- BEDDING FOR PVC SANITARY SEWERS AS PER OPSD 802.010, GRANULAR 'A' COMPACTED TO 95% SPD.
- ALL CONNECTIONS WITH PAVED PORTIONS OF EXISTING ROADS TO BE BACKFILLED WITH GRANULAR MATERIAL OR LATEST TOWNSHIP OF CENTRE WELLINGTON SPECIFICATIONS AND COMPACTED TO 98 % SPD.
- ALL TESTING OF SANITARY SERVICES TO BE IN ACCORDANCE WITH O.B.C. - 2012 AND TOWNSHIP OF CENTRE WELLINGTON SPECIFICATIONS.
- ALL CONNECTIONS TO SANITARY MANHOLES TO BE MADE WITH A KOR-N-SEAL ADAPTOR.
- ALL SANITARY MANHOLE JOINTS ARE TO BE WRAPPED IN DENSO TAPE.
- ALL SANITARY MANHOLE LIDS AT LOW POINTS OF THE ROAD ARE TO BE EQUIPPED WITH WATER TIGHT LIDS.
- ALL SANITARY MANHOLE LIDS TO BE AS PER OPSD 401.010 TYPA "A".
- ALL SANITARY SERVICES ARE TO BE 100Ø, WHITE, PVC SDR-28 AND CENTERED ON LOT, UNLESS OTHERWISE NOTED.

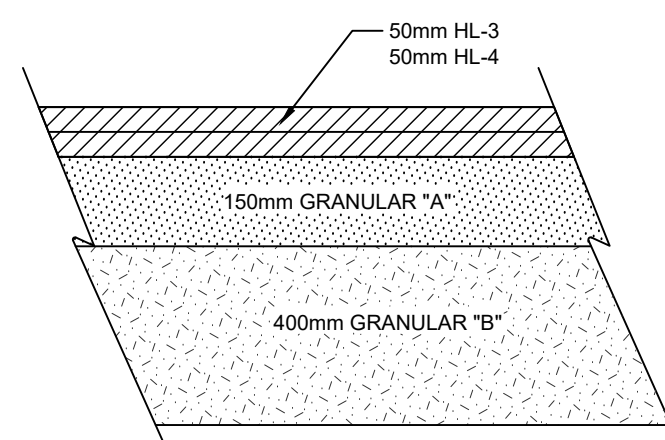
NOTE:
ORIFICE PLATES INSIDE A MH TO BE CURVED TO MATCH THE RADIUS OF THE MH WALL. ALL OPENINGS AROUND PERIMETER OF PLATE TO BE SEALED WITH COMPATIBLE SEALANT.



ORIFICE PLATE DETAIL (MATCH INVERTS) - MH.14
N.T.S.



ASPHALT PAVEMENT
(SOUTH STREET)
N.T.S.



ASPHALT PAVEMENT
(CONDO ROAD)
N.T.S.

UTILITY / SERVICE ISOLATION

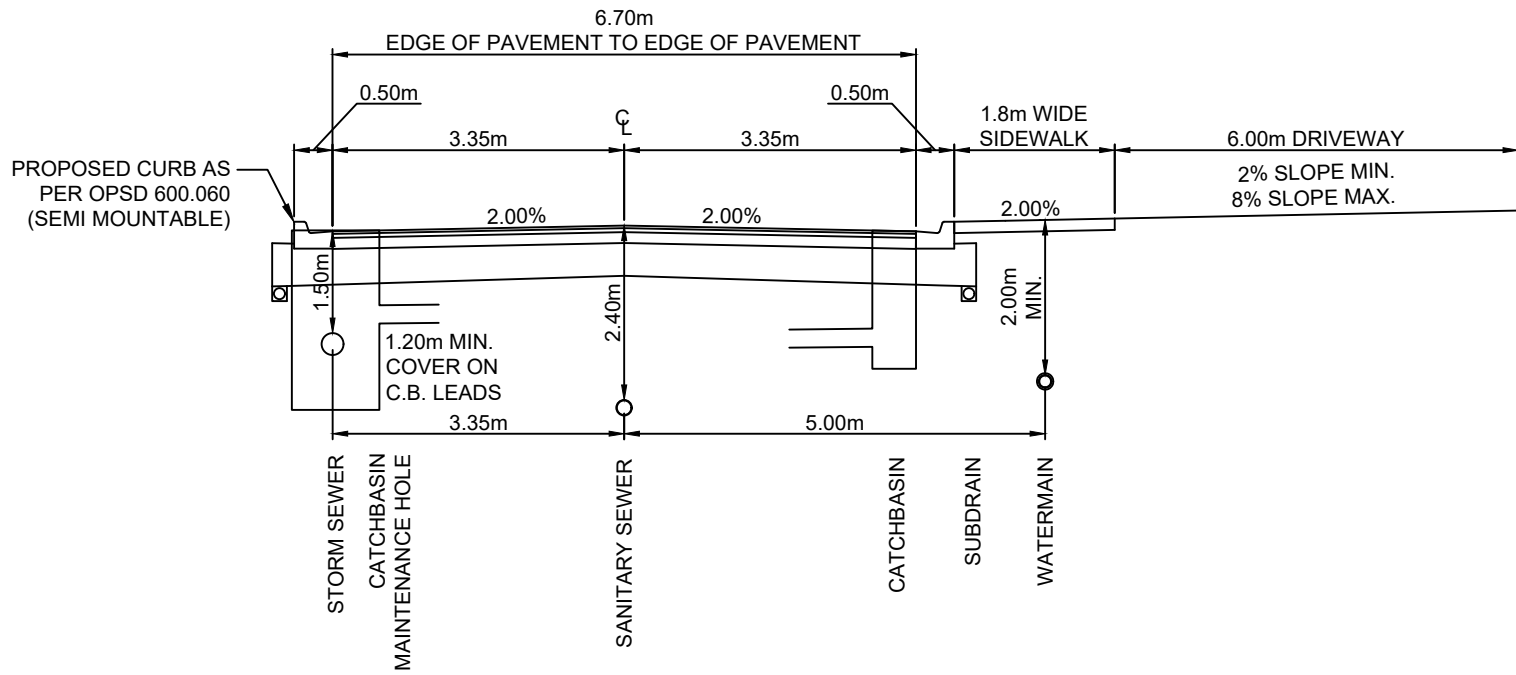
- ALL SERVICES AND/OR UTILITIES LOCATED ON CONCRETE SIDEWALKS OR CURBS TO BE ISOLATED FROM THE SIDEWALK OR CURB AS PER OPSD 310.040

UTILITY SUPPORTS AND TRENCHES

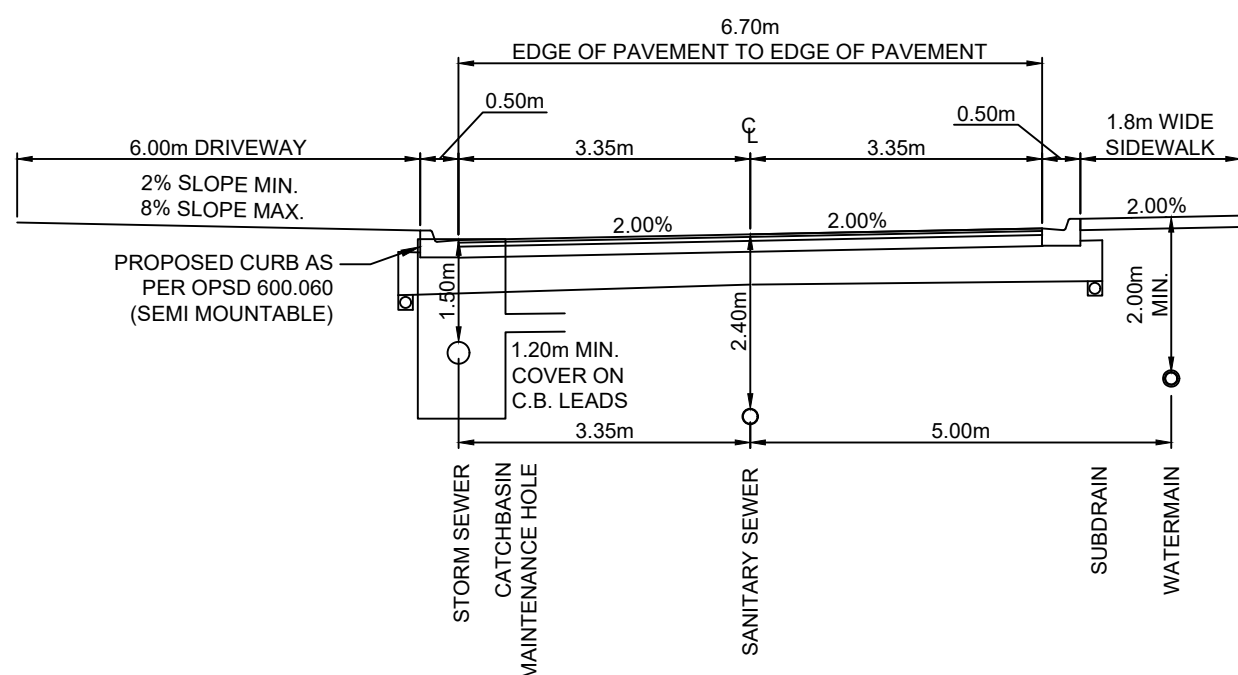
- ALL SERVICES, UTILITIES AND CATCHBASIN LEADS ARE TO BE SUPPORTED AS PER OPSD 1007.01 AND 1007.02
- ALL UTILITIES SHALL BE LOCATED, SUPPORTED AND PROTECTED TO THE SATISFACTION OF THE UTILITY COMPANY DURING THE CONSTRUCTION PERIOD.
- UTILITIES ARE NOT TO BE INSTALLED UNTIL MUNICIPAL CONSENT HAS BEEN ISSUED.

WATER

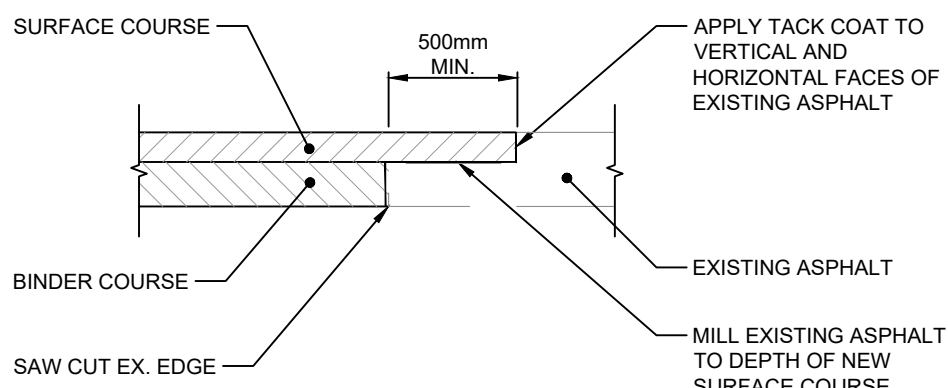
- WATERMAIN PIPE TO BE PVC-DR 18 CL 150 CONFORMING TO CSA B137.3, INCLUDING 12 GAUGE 7 STRAND TRACER WIRE BETWEEN HYDRANTS OR OTHER CONDUCTING APPURTENANCES. PIPE SHALL HAVE A MINIMUM COVER OF 2.0m. ALL WATERMAIN JOINTS TO BE APPROVED PUSH-ON, MECHANICAL OR FLANGE TYPE JOINTS AS REQUIRED FOR THE 1000kPa RATED PRESSURE. 5.4kg ANODE TO BE INSTALLED ON ALL IRON FITTINGS.
- BEDDING AS PER OPSD 802.010, TYPE 1 & 2, GRANULAR 'A' COMPACTED TO 98% SPD.
- ALL WATERMAIN FITTINGS AND APPURTENANCES TO BE SELECTED FROM TOWNSHIP OF CENTRE WELLINGTON APPROVED MATERIAL LIST FOR WATERMAINS.
- WATERMAINS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 0.5m AND HORIZONTAL SEPARATION OF 2.5m BETWEEN ANY SEWER OR MANHOLE.
- ALL WORKS WITHIN TOWNSHIP RIGHT-OF-WAY TO BE PERFORMED BY TOWNSHIP FORCES UPON APPLICATION BY THE DEVELOPER AND NOTIFICATION PROVIDED TO THE TOWNSHIP OF CENTRE WELLINGTON PUBLIC WORKS DEPARTMENT.
- CONTRACTOR TO CONFIRM THE SIZE, LOCATION AND MATERIAL TYPE OF EXISTING WATER SERVICE AND WATERMAIN PRIOR TO COMMENCING ANY WORK.
- EXISTING WATERMAIN OVERTS TO BE CONFIRMED ON SITE AT THE TIME OF CONSTRUCTION.
- WATER SERVICE INSTALLATION AS PER O.B.C. - 2012, 25mmØ TYPE 'K' SOFT COPPER WATER SERVICE
- ALL RELOCATION, RECONSTRUCTION AND RESTORATION TO BE PERFORMED TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
- ALL CONNECTIONS WITHIN PAVED PORTIONS OF EXISTING ROADS TO BE BACKFILLED WITH NATIVE BACKFILL TO ROAD BASE OR AS PER LATEST TOWNSHIP OF CENTRE WELLINGTON SPECIFICATIONS AND STANDARDS.
- FLUSHING, SWABBING, AND TESTING OF WATERMAIN AS PER ONTARIO PROVINCIAL STANDARD SPECIFICATIONS
- VALVE AND BOX TO BE INSTALLED AS PER TOWNSHIP OF CENTRE WELLINGTON STANDARD DRAWING STD.W2 AND OPSD 1101.02.
- HYDRANTS SHALL CONFORM TO STD-W3 AND SHALL BE DARLING CENTURY STYLE BY CANADA VALVE COMPANY LIMITED OR M&VITY STYLE M-67 BY CRANE (CANADA) LIMITED, AND SHALL OPEN COUNTER CLOCKWISE AND BE YELLOW WITH BLACK STORZ CAP AND GREEN BONNETS.
- ALL WATERMAIN MATERIALS, INSTALLATION METHODS AND TESTING ON MUNICIPAL RIGHT OF WAYS TO BE IN ACCORDANCE WITH MUNICIPAL STANDARDS.



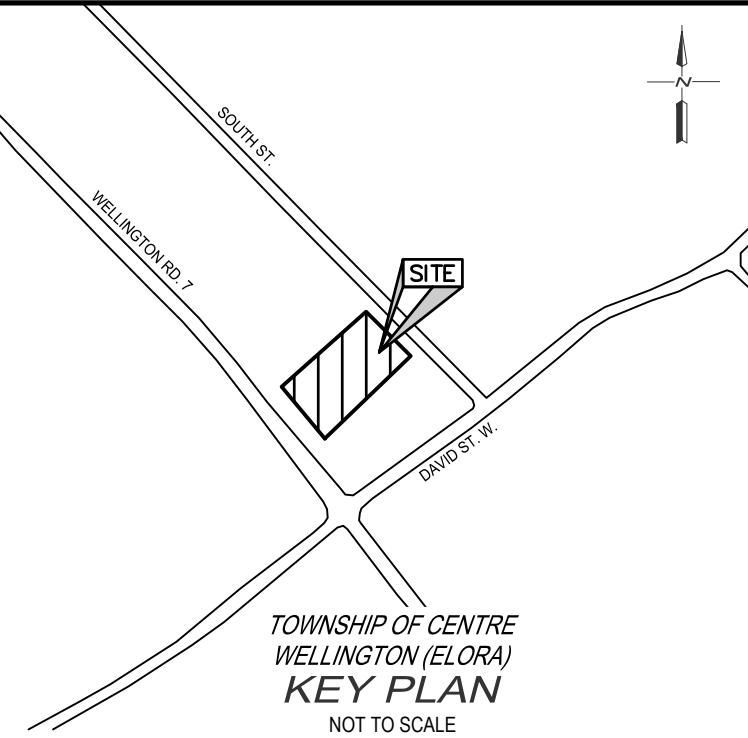
TYPICAL CROSS SECTION FOR STREET 1
N.T.S.



TYPICAL CROSS SECTION FOR STREET 2
N.T.S.



ASPHALT JOINT RESTORATION
DETAIL
N.T.S.



NOTES :

- TOPOGRAPHICAL SURVEY PERFORMED BY GM BLUEPLAN ENGINEERING LIMITED, DATED DEC. 6, 2016.
- LEGAL BOUNDARY OBTAINED FROM J.D. BARNES LIMITED RECEIVED SEPTEMBER 22, 2025.
- CONCEPTUAL PLAN PROVIDED BY GSP GROUP ON OCTOBER 23, 2025.
- GEOTECHNICAL INFORMATION FROM CMT ENGINEERING INC. DATED APRIL 03, 2025.

BENCH MARKS :

- SITE BENCHMARK - ELEV = 389.864
- TOP NUT OF HYDRANT AT NORTHWEST CORNER OF SOUTH STREET AND DAVID STREET.

THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM.



1.	2025/10/29	ISSUED FOR ZONE CHANGE	P.F.G.
NO.	DATE	REVISION DESCRIPTION	CHKD

GEI Consultants
GEI CONSULTANTS, INC.
330 TRILLIUM DRIVE
UNIT D
KITCHENER, ONTARIO N2E 3J2
519.748.1440

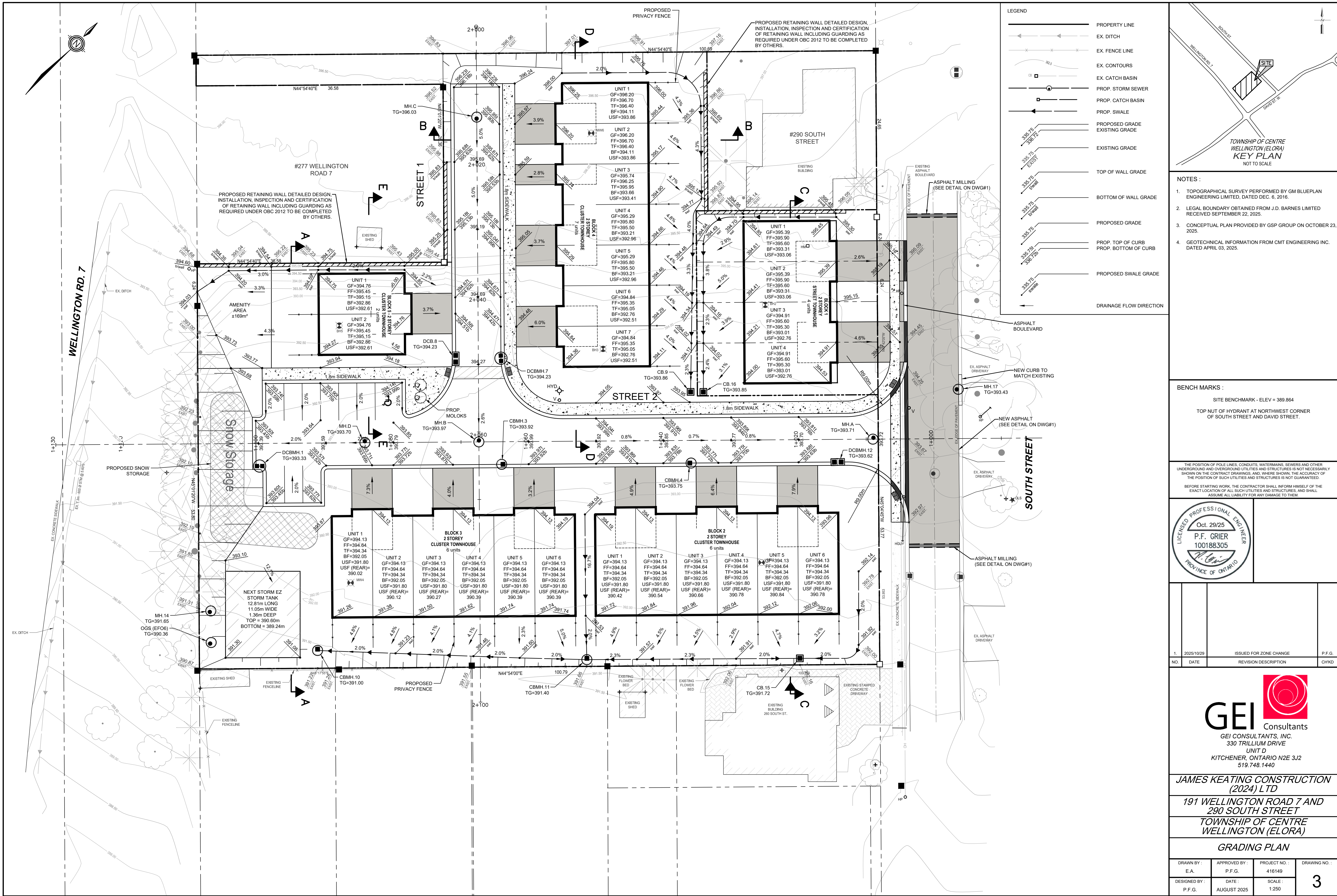
JAMES KEATING CONSTRUCTION
(2024) LTD

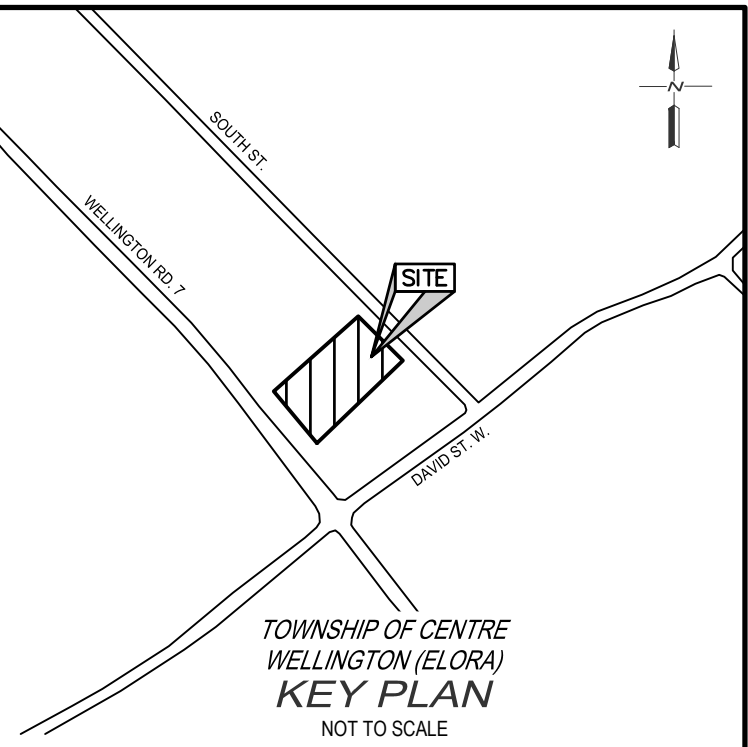
**191 WELLINGTON ROAD 7 AND
290 SOUTH STREET
TOWNSHIP OF CENTRE
WELLINGTON (ELORA)**

**GENERAL NOTES AND
DETAILS PLAN**

DRAWN BY : E.A.	APPROVED BY : P.F.G.	PROJECT NO. : 416149	DRAWING NO. : 1
DESIGNED BY : P.F.G.	DATE : AUGUST 2025	SCALE : AS NOTED	







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NO.	DATE	REVISION DESCRIPTION	CHKD

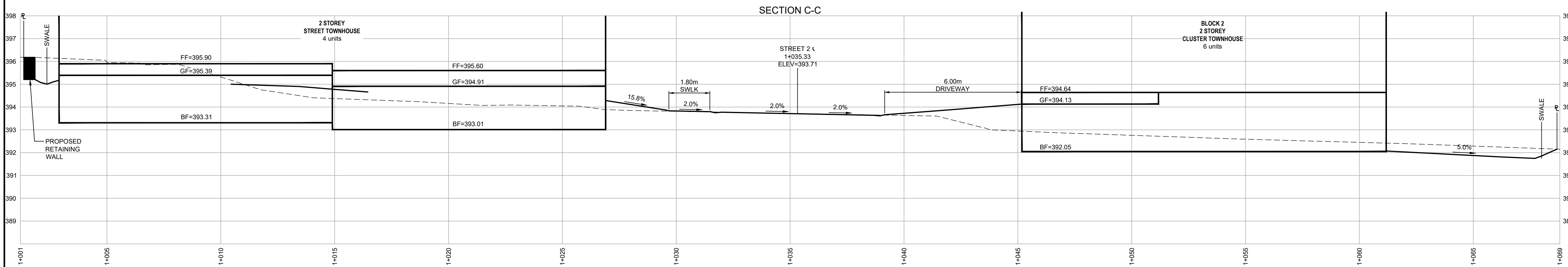
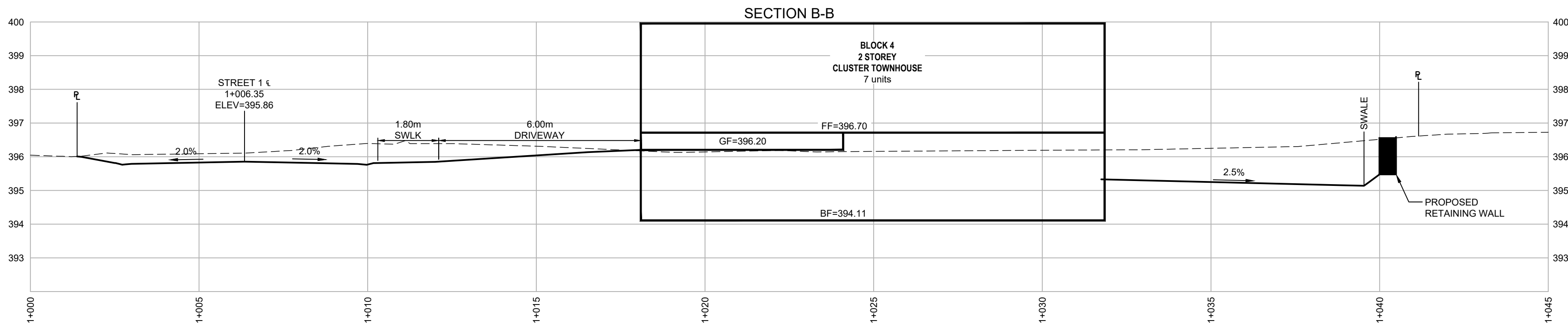
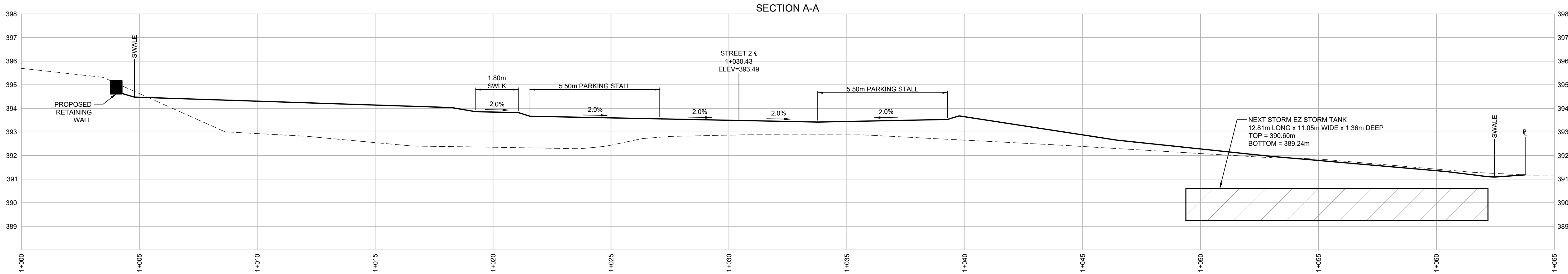


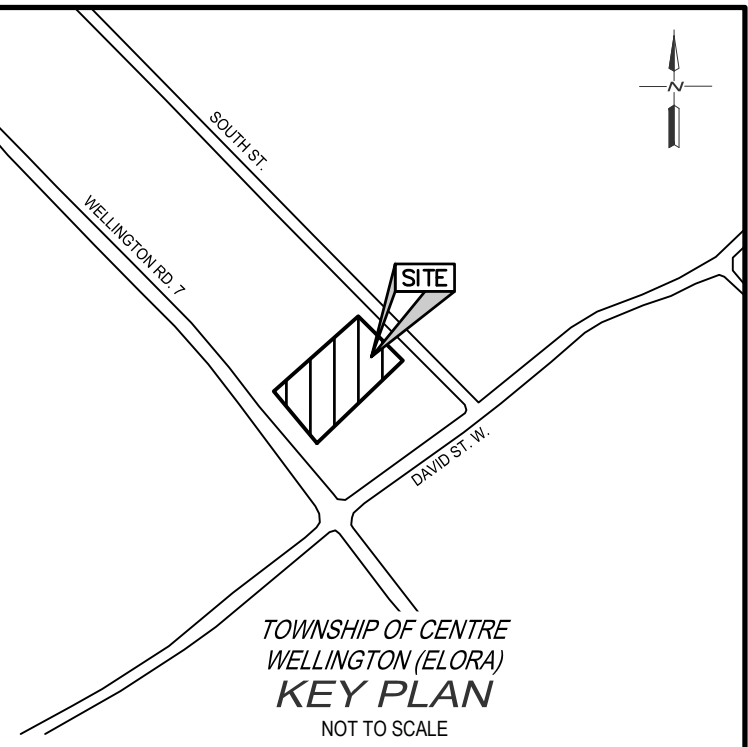
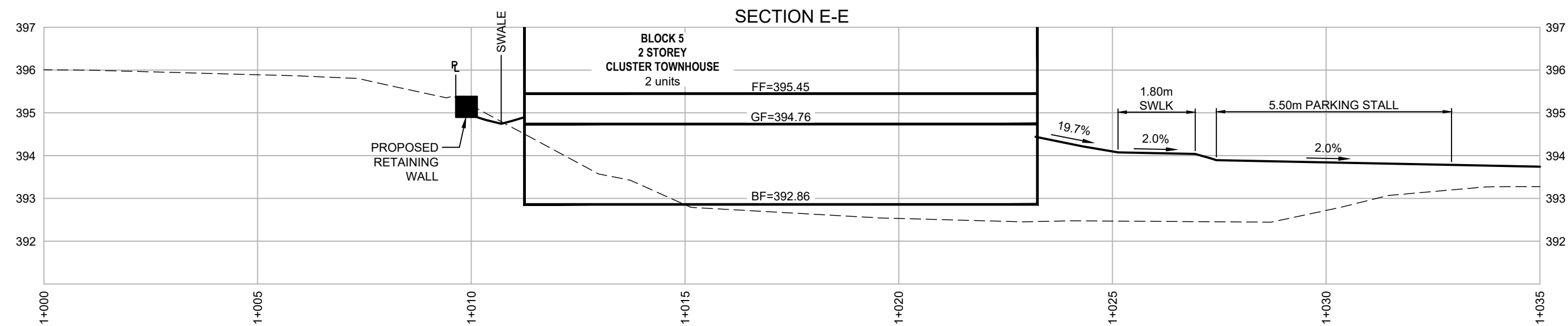
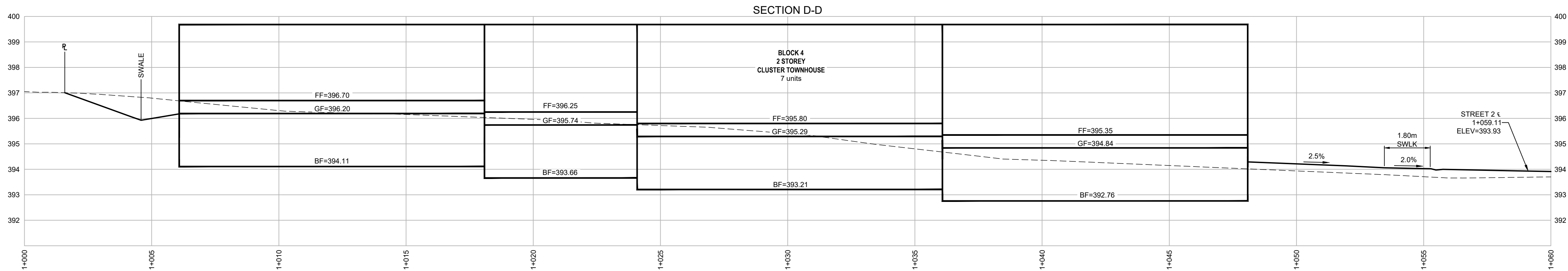
JAMES KEATING CONSTRUCTION
(2024) LTD

191 WELLINGTON ROAD 7 AND
290 SOUTH STREET
TOWNSHIP OF CENTRE
WELLINGTON (ELORA)

SECTIONS 1

DRAWN BY :	APPROVED BY :	PROJECT NO. :	DRAWING NO. :
E.A.	P.F.G.	416149	4
DESIGNED BY :	DATE :	SCALE :	
P.F.G.	AUGUST 2025	1:100	





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BENCH MARKS :

SITE BENCHMARK - ELEV = 389.864

TOP NUT OF HYDRANT AT NORTHWEST CORNER OF SOUTH STREET AND DAVID STREET.

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

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1.	2025/10/29	ISSUED FOR ZONE CHANGE	P.F.G.
NO.	DATE	REVISION DESCRIPTION	CHKD

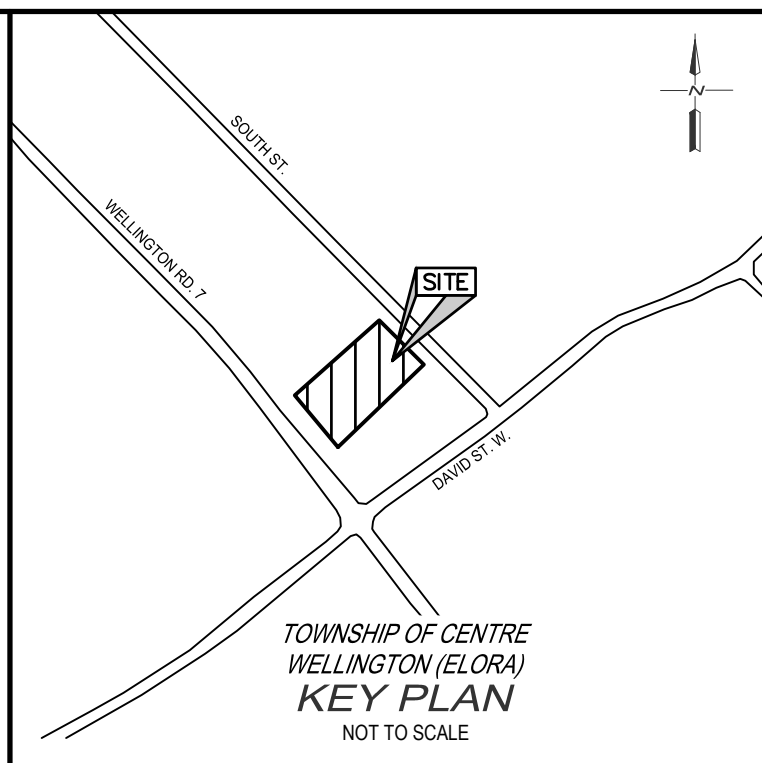
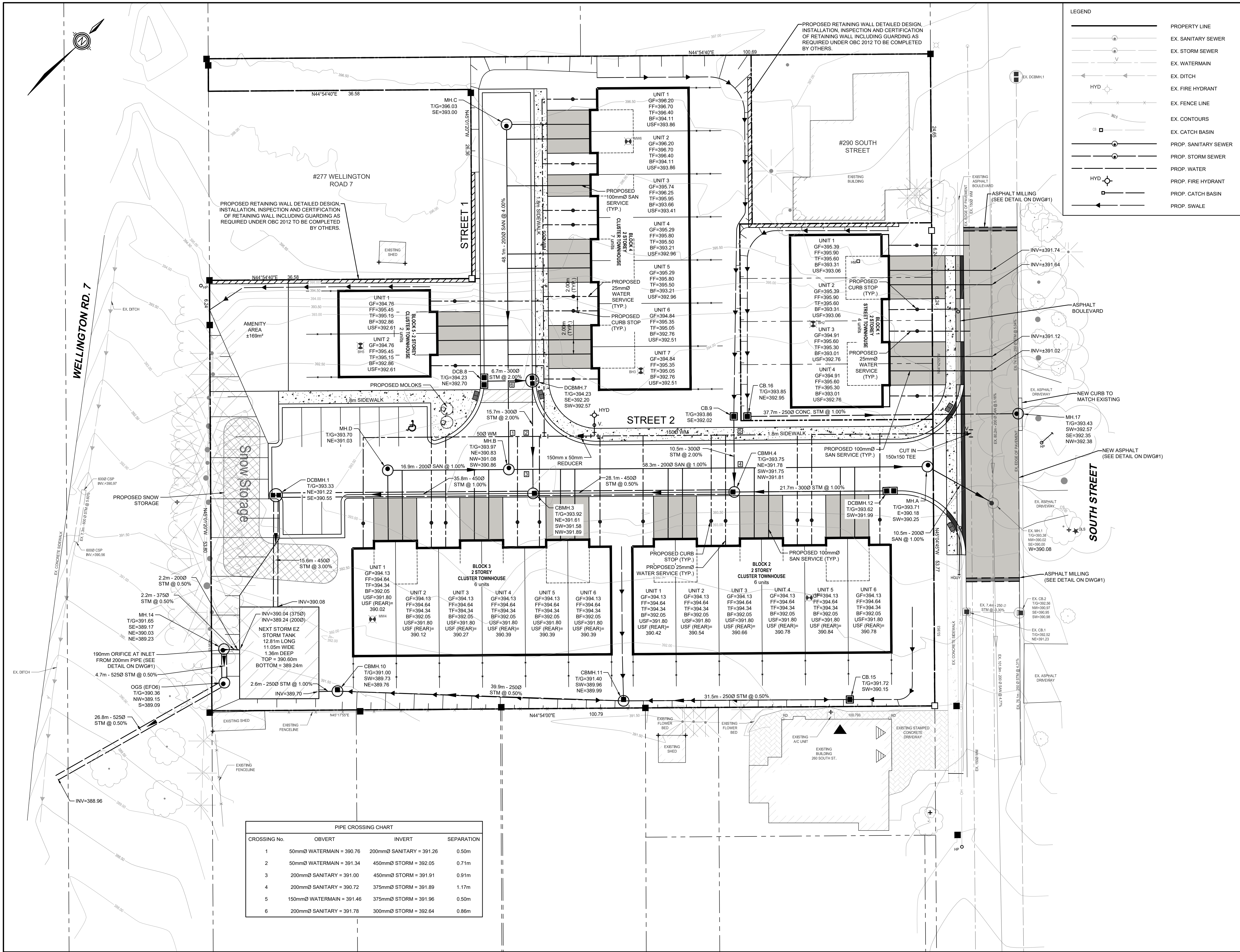


JAMES KEATING CONSTRUCTION
(2024) LTD

191 WELLINGTON ROAD 7 AND
290 SOUTH STREET
TOWNSHIP OF CENTRE
WELLINGTON (ELORA)

SECTIONS 2

DRAWN BY : E.A.	APPROVED BY : P.F.G.	PROJECT NO. : 416149	DRAWING NO. : 5
DESIGNED BY : P.F.G.	DATE : AUGUST 2025	SCALE : 1:100	



- NOTES :
1. TOPOGRAPHICAL SURVEY PERFORMED BY GM BLUEPLAN ENGINEERING LIMITED, DATED DEC. 6, 2016.
 2. LEGAL BOUNDARY OBTAINED FROM J.D. BARNES LIMITED RECEIVED SEPTEMBER 22, 2025.
 3. CONCEPTUAL PLAN PROVIDED BY GSP GROUP ON OCTOBER 23, 2025.
 4. GEOTECHNICAL INFORMATION FROM CMT ENGINEERING INC. DATED APRIL 03, 2025.

BENCH MARKS :

SITE BENCHMARK - ELEV = 389.864

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NO.	DATE	REVISION DESCRIPTION	CHKD

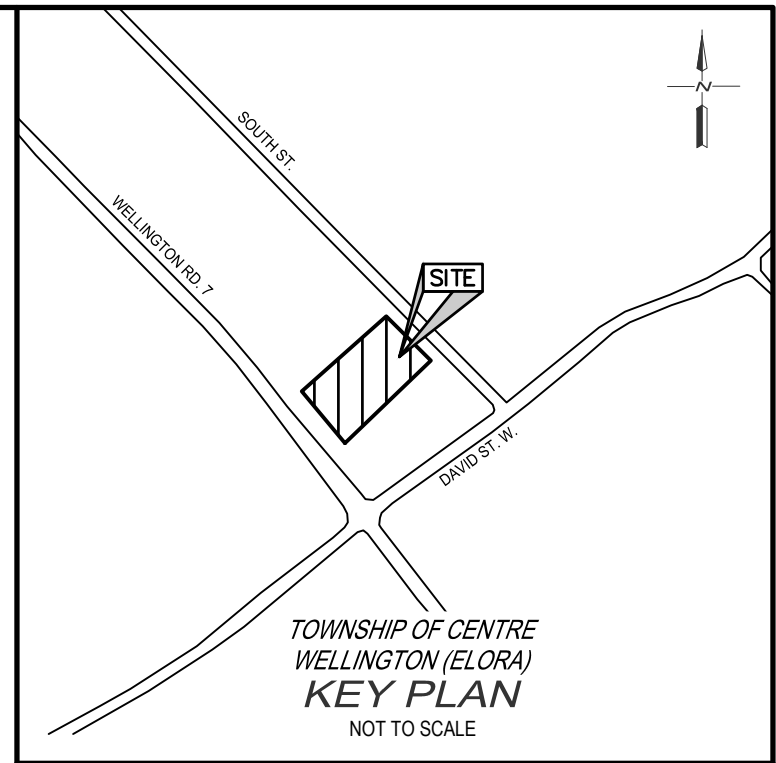
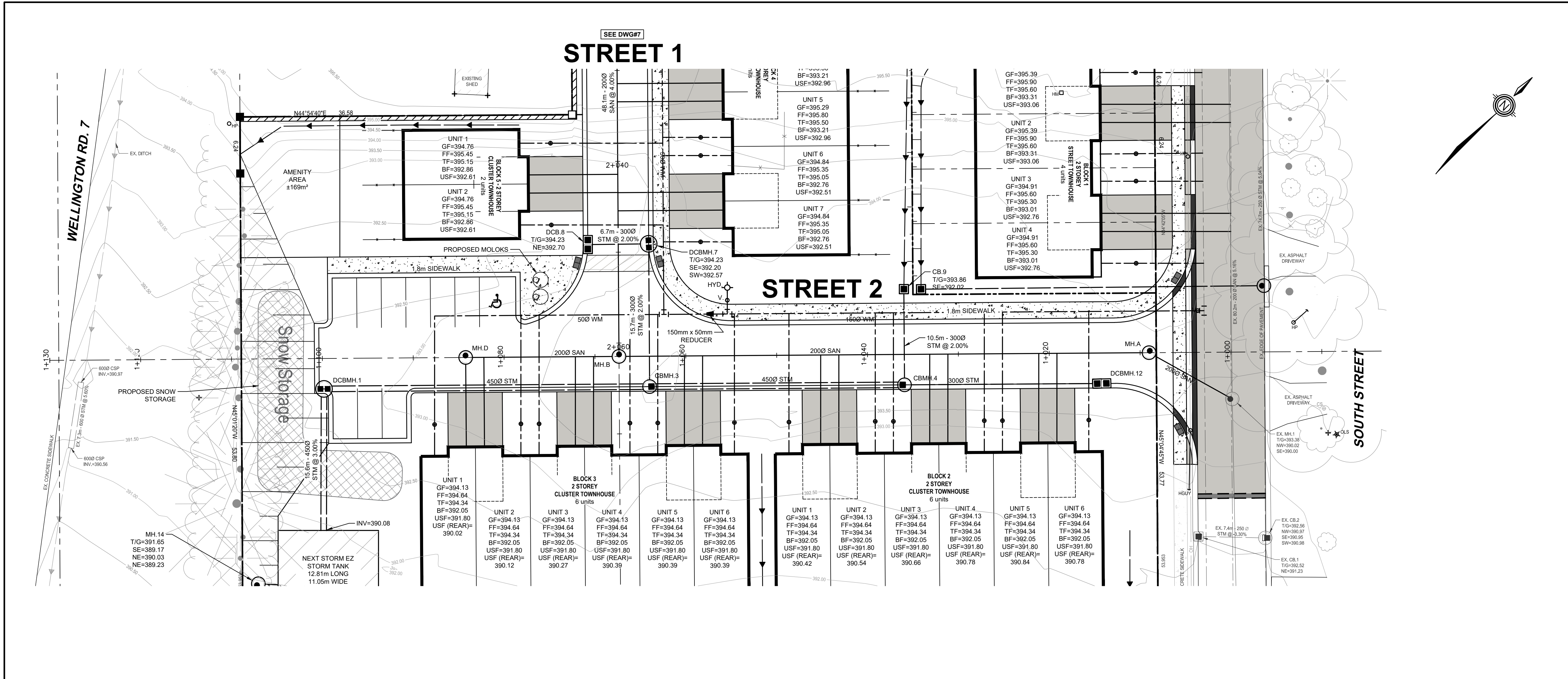
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UNIT D
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519.748.1440

JAMES KEATING CONSTRUCTION
(2024) LTD

191 WELLINGTON ROAD 7 AND
290 SOUTH STREET
TOWNSHIP OF CENTRE
WELLINGTON (ELORA)

SERVICING PLAN

DRAWN BY :	APPROVED BY :	PROJECT NO. :	DRAWING NO. :
E.A.	P.F.G.	416149	6
DESIGNED BY :	DATE :	SCALE :	
P.F.G.	AUGUST 2025	1:250	



- NOTES :
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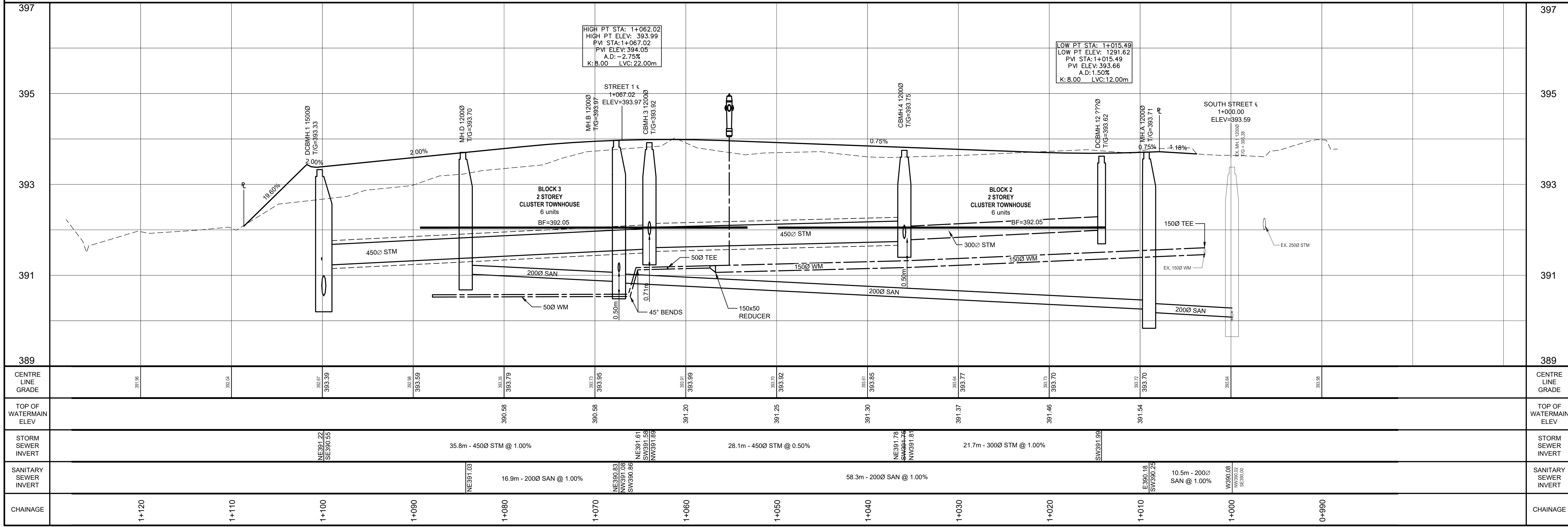
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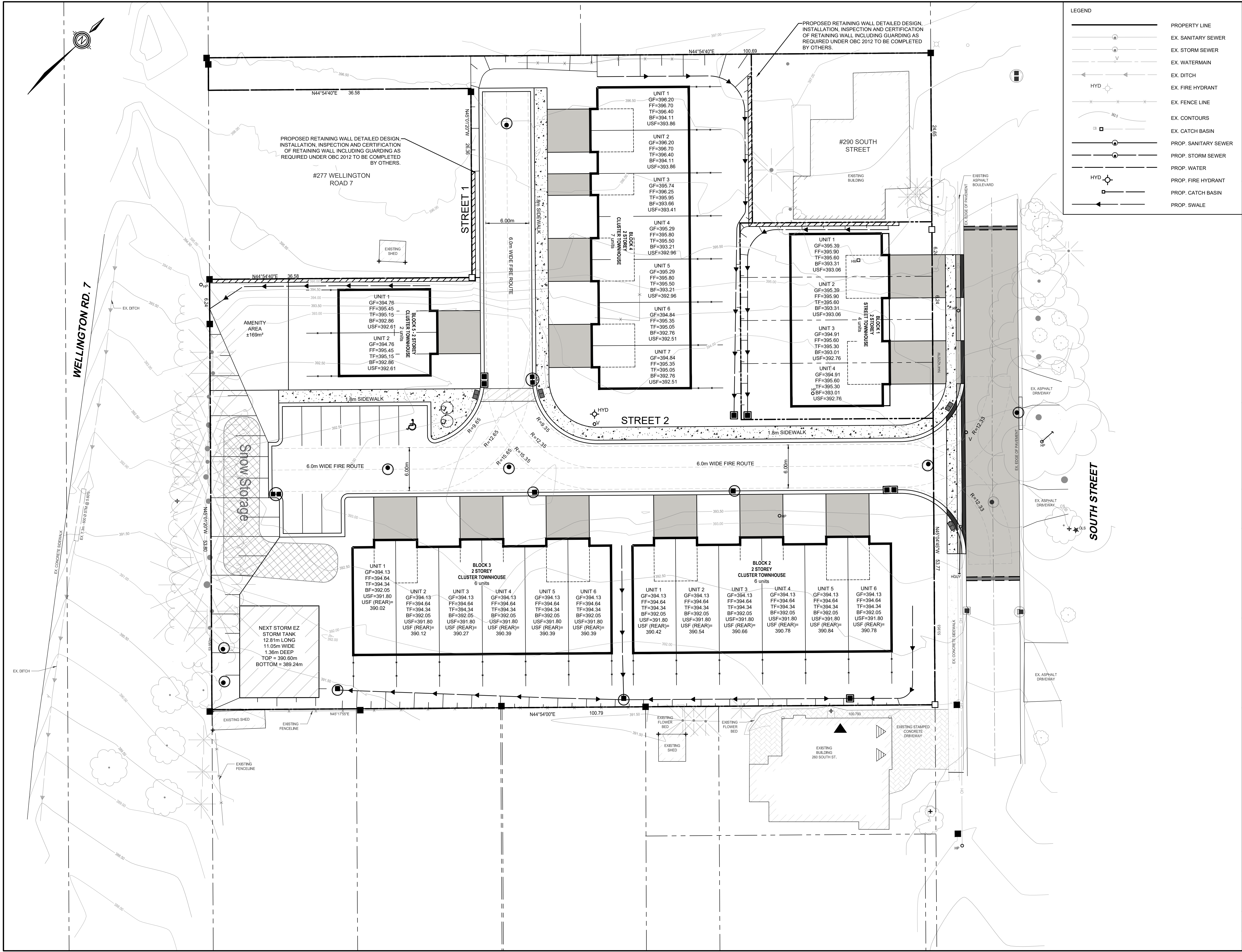
JAMES KEATING CONSTRUCTION (2024) LTD

**191 WELLINGTON ROAD 7 AND
290 SOUTH STREET
TOWNSHIP OF CENTRE
WELLINGTON (ELORA)**

STREET 2 - PLAN AND PROFILE

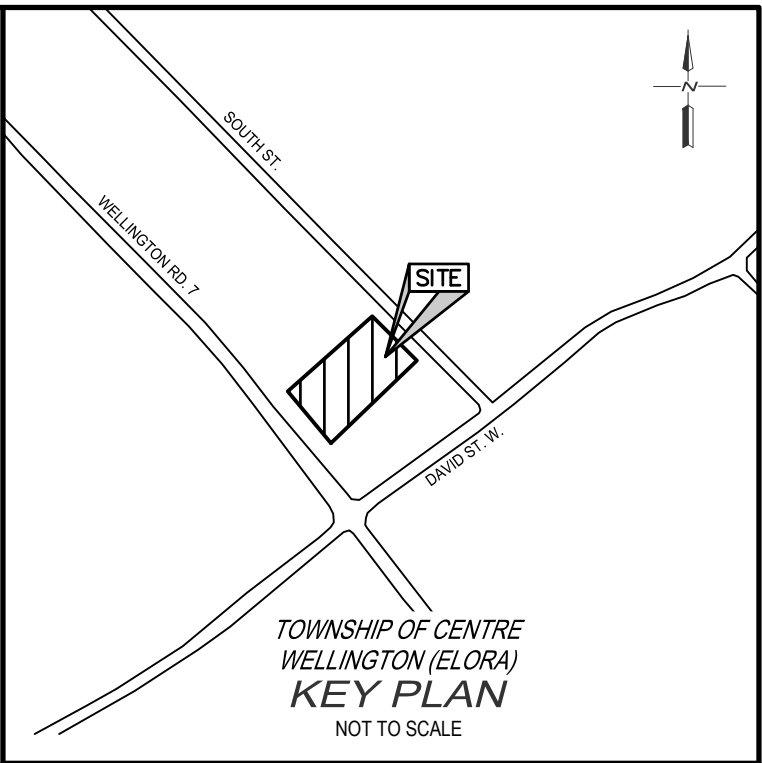
DRAWN BY : E.A.	APPROVED BY : P.F.G.	PROJECT NO. : 416149	DRAWING NO. : 8
DESIGNED BY : P.F.G.	DATE : AUGUST 2025	SCALE : 1:250	





LEGEND

	PROPERTY LINE
	EX. SANITARY SEWER
	EX. STORM SEWER
	EX. WATERMAIN
	EX. DITCH
	EX. FIRE HYDRANT
	EX. FENCE LINE
	EX. CONTOURS
	EX. CATCH BASIN
	PROP. SANITARY SEWER
	PROP. STORM SEWER
	PROP. WATER
	PROP. FIRE HYDRANT
	PROP. CATCH BASIN
	PROP. SWALE



- NOTES :**
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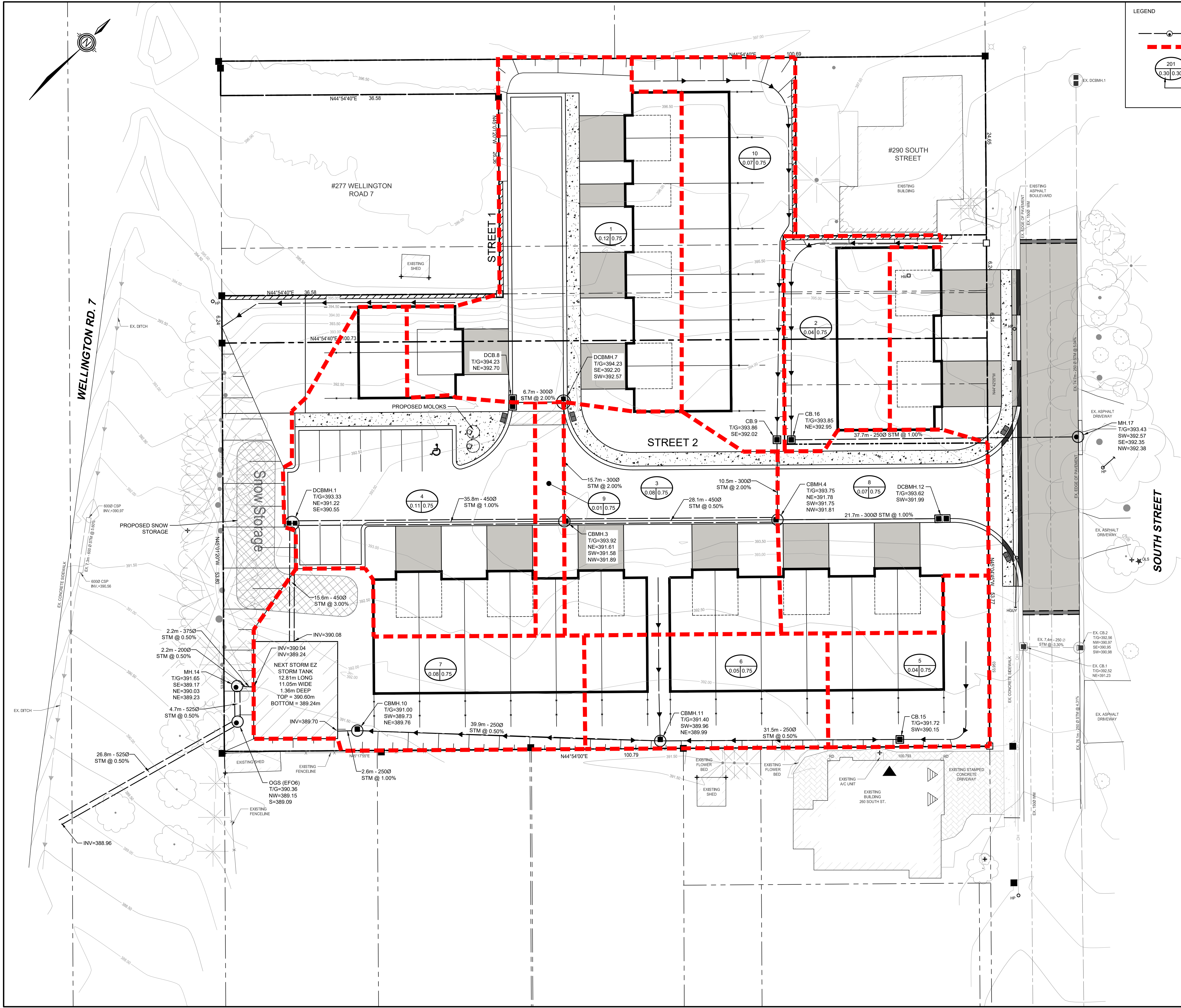
JAMES KEATING CONSTRUCTION (2024) LTD

191 WELLINGTON ROAD 7 AND 290 SOUTH STREET

TOWNSHIP OF CENTRE WELLINGTON (ELORA)

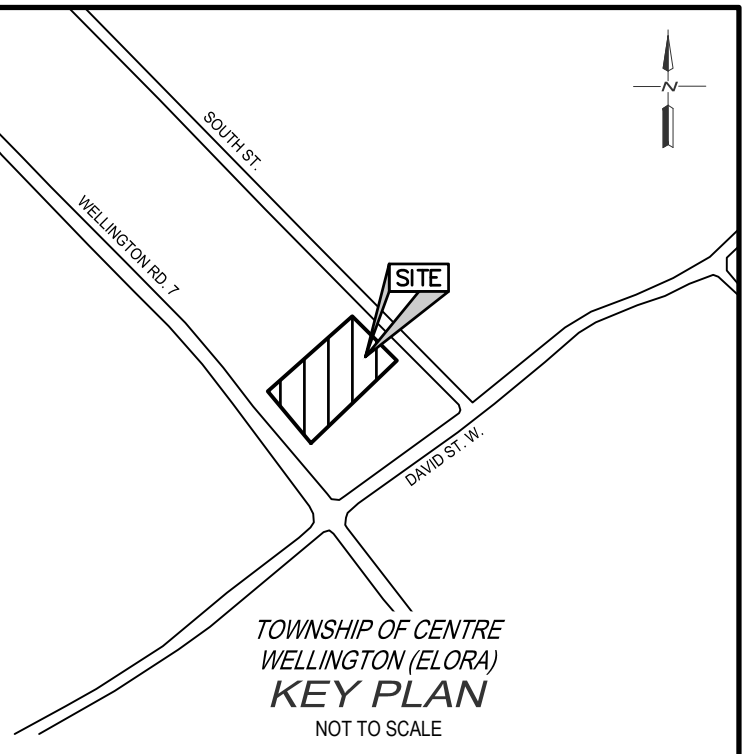
FIRE ROUTE PLAN

DRAWN BY : E.A.	APPROVED BY : P.F.G.	PROJECT NO. : 416149	DRAWING NO. : 9
DESIGNED BY : P.F.G.	DATE : AUGUST 2025	SCALE : 1:250	



LEGEND

- PROP. STORM SEWER
- DRAINAGE AREA BOUNDARY
- CATCHMENT NUMBER
- RUN-OFF CO-EFFICIENT
- CATCHMENT AREA IN HECTARES



- NOTES :
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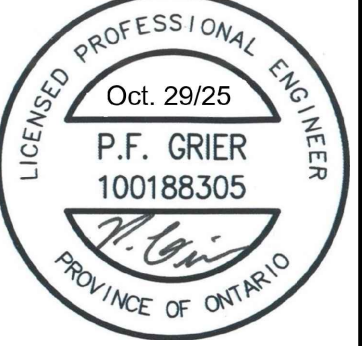
BENCH MARKS :

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NO.	DATE	REVISION DESCRIPTION	CHKD

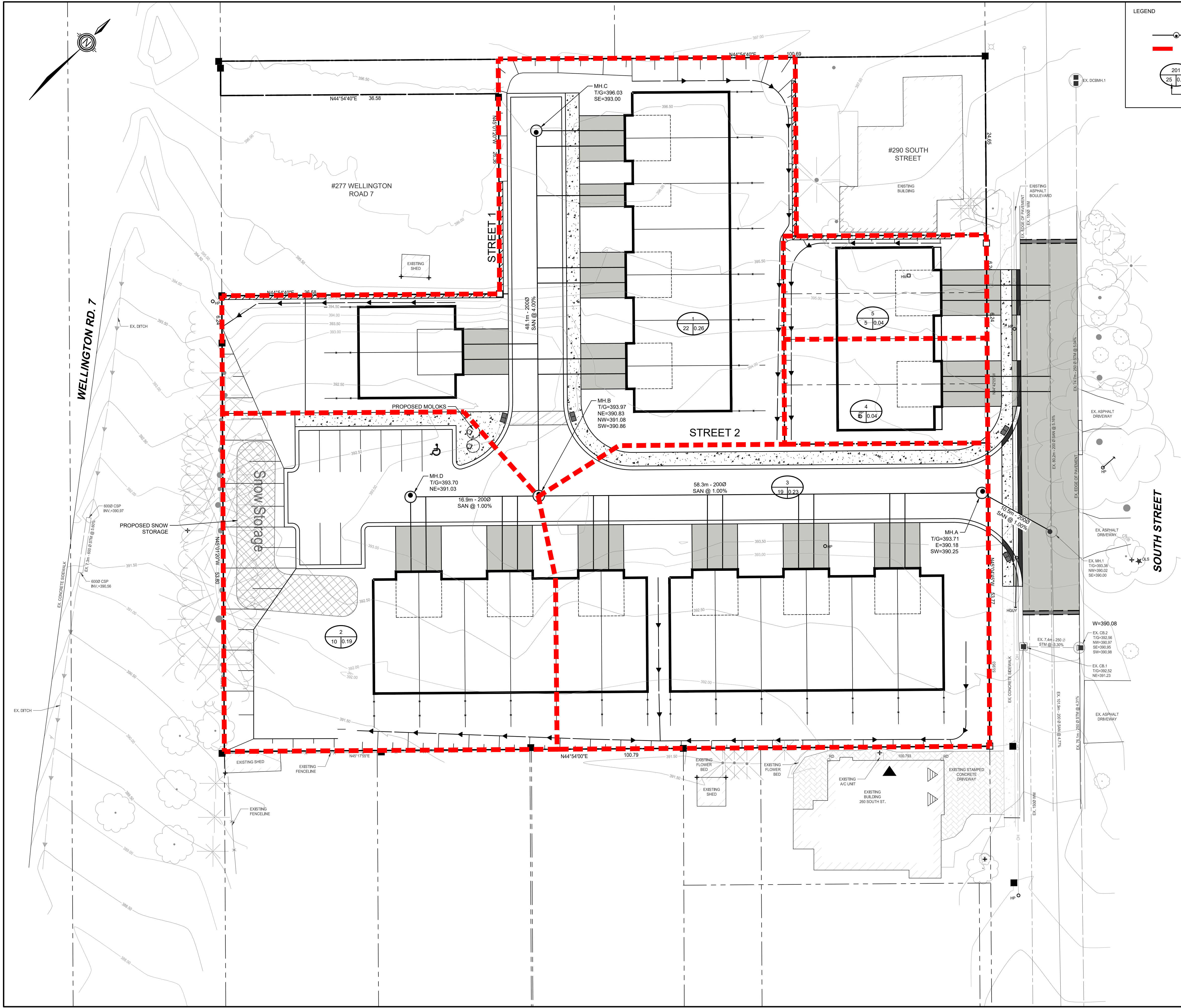
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191 WELLINGTON ROAD 7 AND 290 SOUTH STREET
TOWNSHIP OF CENTRE WELLINGTON (ELORA)

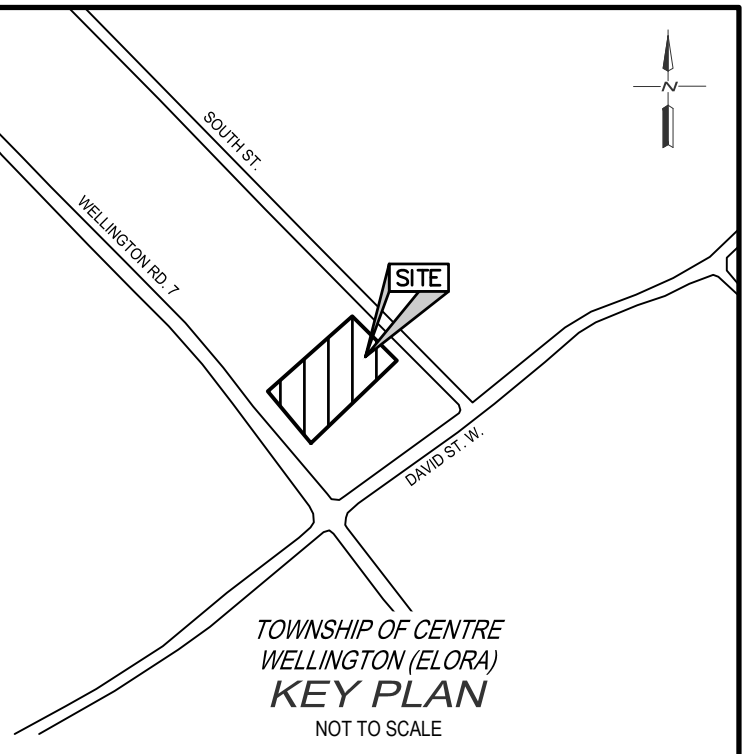
STORM CATCHMENT PLAN

DRAWN BY : E.A.	APPROVED BY : P.F.G.	PROJECT NO. : 416149	DRAWING NO. : 10
DESIGNED BY : P.F.G.	DATE : AUGUST 2025	SCALE : 1:250	



LEGEND

- PROP. SANITARY SEWER
- DRAINAGE AREA BOUNDARY
- 201 CATCHMENT NUMBER
- 25 0.21 CATCHMENT AREA IN HECTARES
- POPULATION



- NOTES :
1. TOPOGRAPHICAL SURVEY PERFORMED BY GM BLUEPLAN ENGINEERING LIMITED, DATED DEC. 6, 2016.
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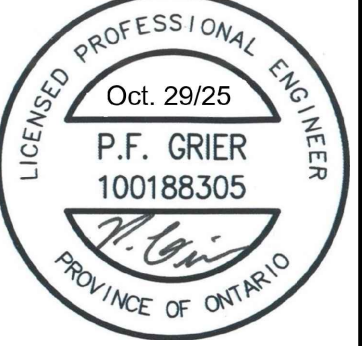
BENCH MARKS :

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JAMES KEATING CONSTRUCTION
(2024) LTD

191 WELLINGTON ROAD 7 AND
290 SOUTH STREET
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WELLINGTON (ELORA)

SANITARY CATCHMENT PLAN

DRAWN BY :	APPROVED BY :	PROJECT NO. :	DRAWING NO. :
E.A.	P.F.G.	416149	11
DESIGNED BY :	DATE :	SCALE :	
P.F.G.	AUGUST 2025	1:250	