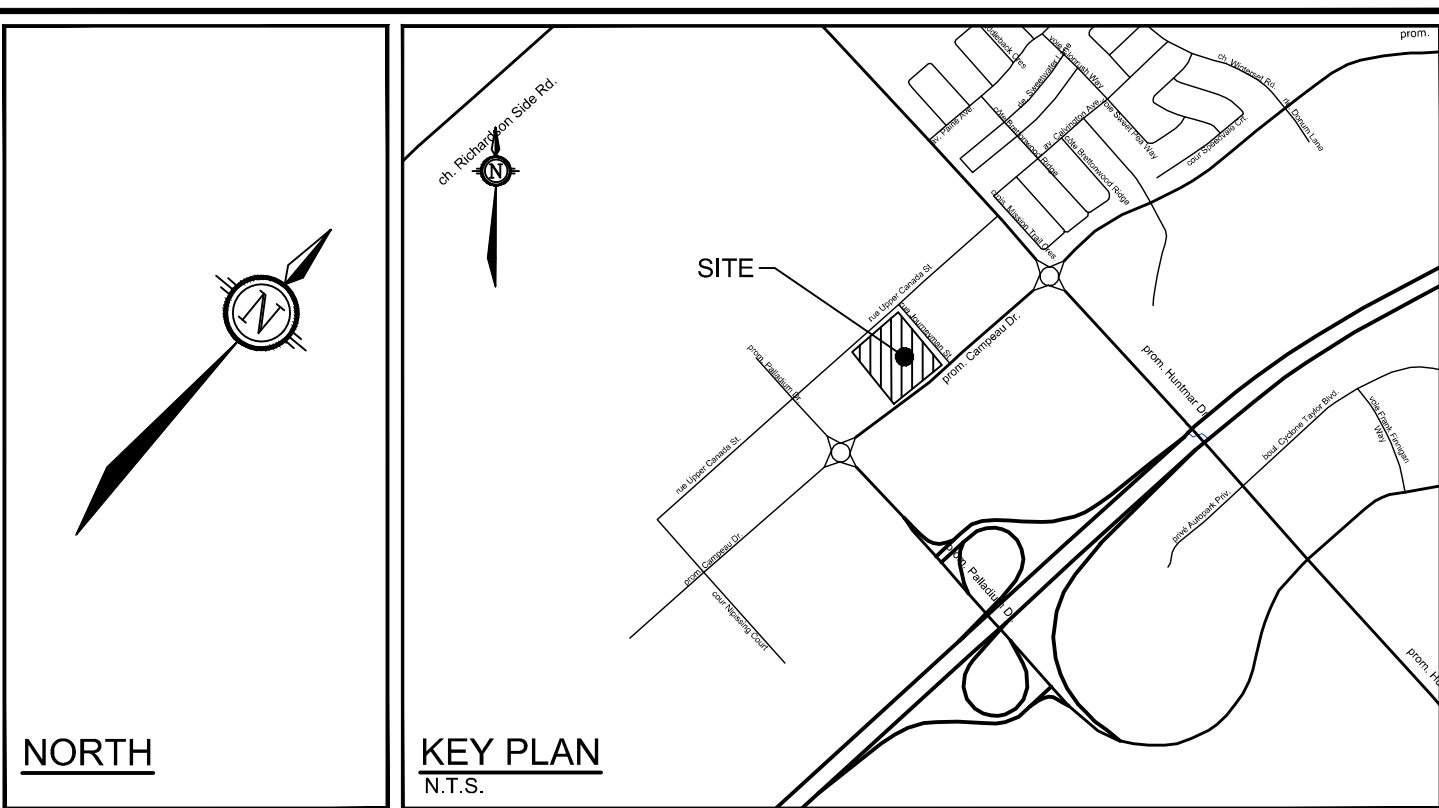


APPROVED
By Kersten Nitsche at 10:28 am, Sep 04, 2025

Kersten Nitsche

**KERSTEN NITSCHKE, MCIP RPP
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA**



LEGEND

- PROPERTY LINE
- PROPOSED STORM SEWER
- PROPOSED BARRIER CURB (15cm CURB HEIGHT)
- DEPRESSED BARRIER CURB (0cm CURB HEIGHT)
- ABANDON/REMOVALS
- THERMAL INSULATION FOR SHALLOW SEWERS
- PROPOSED BUILDING ENTRANCE
- PROPOSED STORM CAP
- APPROXIMATE PONDING LIMITS
- PROPOSED ROOF DRAINS
- PROPOSED FINISHED FLOOR ELEVATION
- UNDERSIDE OF FOOTING ELEVATION
- EXISTING INLET CONTROL DEVICE
- EXISTING WATER METER AND REMOTE METER
- EXISTING VALVE AND VALVEROX
- EXISTING BUILDING ENTRANCE
- EXISTING CONCRETE CURB
- EXISTING SANITARY MANHOLE AND SEWER
- EXISTING STORM MANHOLE AND SEWER
- EXISTING CATCHBASIN C/W CATCHBASIN LEAD AND RADIAL SUBDRAIN

GENERAL NOTES:

- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
- BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,000.00. INSURANCE POLICY TO NAME OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED.
- COMPLETE ALL WORKS IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS USING THE CURRENT GUIDELINES, BYLAWS AND STANDARDS INCLUDING MATERIALS OF CONSTRUCTION, DISINFECTION AND ALL RELEVANT REFERENCES TO OPSS, OPSD & AWWA GUIDELINES - ALL CURRENT VERSIONS AND 'AS AMENDED'.
- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA AND ENGINEER.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE ANY CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
- ALL ELEVATIONS ARE GEODETIC.
- REFER TO THE GEOTECHNICAL DESIGN REPORT (PROPOSED BUILDING ADDITION AT 8560 CAMPEAU DRIVE, OTTAWA, ON, DATED APRIL 2025), PREPARED BY STANTEC CONSULTING LTD., FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
- REFER TO ARCHITECTS' AND LANDSCAPE ARCHITECTS' DRAWINGS FOR BUILDING AND HARD SURFACE AREAS AND DIMENSIONS.
- REFER TO THE DEVELOPMENT SERVICING STUDY & STORMWATER MANAGEMENT REPORT (R-2023-142) PREPARED BY NOVATECH.
- SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (RT10).
- PROVIDE LINE / PARKING PAINTING AS REQUIRED PER THE ARCHITECTURAL SITE PLAN.

SEWER NOTES:

- SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS - ALL CURRENT VERSIONS AND 'AS AMENDED'.
- SPECIFICATIONS:

ITEM	SPEC. No.	REFERENCE
CATCHBASIN (600x600mm)	705.010	OPSD
STORM / SANITARY MANHOLE (1200mm)	701.010	OPSD
WATERTIGHT MH FRAME AND COVER	401.030	OPSD
SEWER TRENCH	S6	CITY OF OTTAWA
CB FRAME & COVER	S20/S21	CITY OF OTTAWA
STORM / CBMH MANHOLE FRAME AND COVER	S24, S25	CITY OF OTTAWA
INSULATION FOR SHALLOW SEWERS	S35	CITY OF OTTAWA

STORM SEWER CATCHBASIN LEAD CONC. 85-D (450mm) or greater), PVC DR 35 (SMALLER THAN 450mm) PVC DR 35

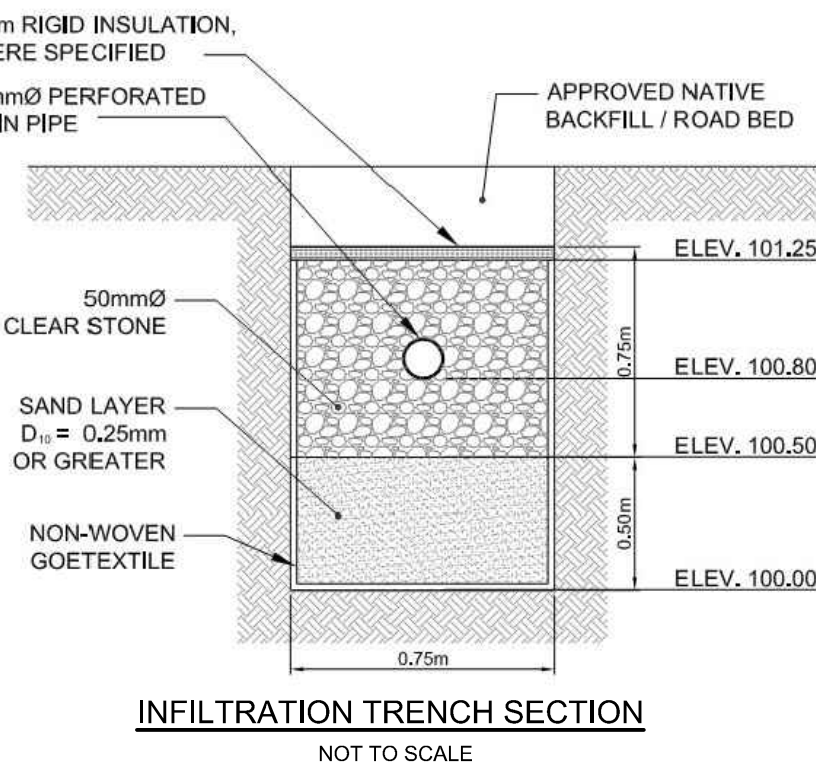
- INSULATE ALL PIPES (STM) THAT HAVE LESS THAN 1.8m COVER WITH H-40 INSULATION PER OPTION "A" ON CITY STANDARD DRAWING S35 FOR SHALLOW SEWERS. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.
- FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSX: POSITIVE SEAL AND DURASEAL), THE CONCRETE CRADLE FOR THE PIPE CAN BE ELIMINATED.
- THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPS14.07.16, 410.07.16.04 AND 407.07.24. DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
- ALL STORM MANHOLES AND CATCHBASIN MANHOLES ARE TO HAVE 300mm SUMPS UNLESS OTHERWISE INDICATED. ALL CATCHBASINS ARE TO HAVE 600mm SUMPS.
- ALL CATCHBASINS, MANHOLES AND/OR CATCHBASIN MANHOLES THAT ARE TO HAVE ICD'S INSTALLED WITHIN THEM ARE TO HAVE 600mm SUMPS.
- PROPOSED BUILDING ADDITION WEeping TILE TO BE CONNECTED TO EXISTING BUILDING WEeping TILE.
- CONTRACTOR TO TELEVISION (CCTV) ALL PROPOSED SEWERS, 200mm OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
- CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL SERVICING AS-BUILT INFORMATION SHOWN ON THIS PLAN. AS-BUILT INFORMATION MUST INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND TIG ELEVATIONS, STRUCTURE LOCATIONS, VALVE AND HYDRANT LOCATIONS, TWM ELEVATIONS AND ANY ALIGNMENT CHANGES, ETC.

ROOF DRAIN TABLE						
AREA ID	ROOF DRAIN No. (WATTS MODEL)*	ROOF DRAIN OPENING SETTING	5-YEAR RELEASE RATE	APPROX. 5-YEAR PONDING DEPTH	100-YEAR RELEASE RATE	APPROX. 100-YR PONDING DEPTH
A-1.1	RD 1 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 2 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 3 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 4 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 5 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 6 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 7 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 8 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 9 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 10 (RD-100-A-ADJ)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 11 (RD-100-A-ADJ)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 12 (RD-100-A-ADJ)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 13 (RD-100-A-ADJ)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 14 (RD-100-A-ADJ)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 15 (RD-100-A-ADJ)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 16 (RD-100-A-ADJ)	CLOSED	0.32 L/s	0 cm	0.32 L/s	7 cm
TOTAL CONTROLLED FLOW RATE			5.1 L/s	-	5.1 L/s	-

* REFER TO THE DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT (R-2023-142) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.
** ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDING TO BE WATTS' ADJUSTABLE ACCUTROL® ROOF DRAINS.

BENCHMARK NOTES:

- ELEVATIONS SHOWN ARE GEODETIC REFERENCING THE CGVD28 VERTICAL DATUM AND WERE DERIVED THROUGH CANNET REAL-TIME NETWORK OBSERVATIONS.
- IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE SITE BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON THIS DRAWING.
- BENCHMARK WAS PROVIDED ON PLAN OF SURVEY OF PART OF LOT 4, CONVESSION 1, GEOGRAPHIC TOWNSHIP OF HUNTLEY, SURVEYED BY MONUMENT-URSO SURVEYING LTD. (PLAN NO. R-7689 DATED SEPT 7, 2023.)



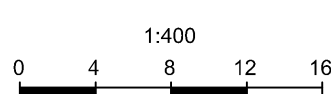
NOTE:
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OWNER INFORMATION
CARPENTERS UNION
8560 CAMPEAU DRIVE
KANATA, ONTARIO, K2T 0N7
JON BARON
PHONE: (613)-620-0213
E-MAIL: JBaron@ucba.ca

No.	REVISION	DATE	BY
5	REVISED PER CITY COMMENTS	JULY 14/25	FST
4	ISSUED FOR TENDER	JUN 20/25	FST
3	ISSUED FOR TENDER	MAY 16/25	FST
2	ISSUED FOR BUILDING PERMIT	FEB 28/25	FST
1	ISSUED FOR SITE PLAN CONTROL	FEB 28/25	FST

SCALE

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DESIGN

LP/KD	CHECKED
FST	DRAWN
LP/KD	CHECKED
FST	APPROVED

FOR REVIEW ONLY



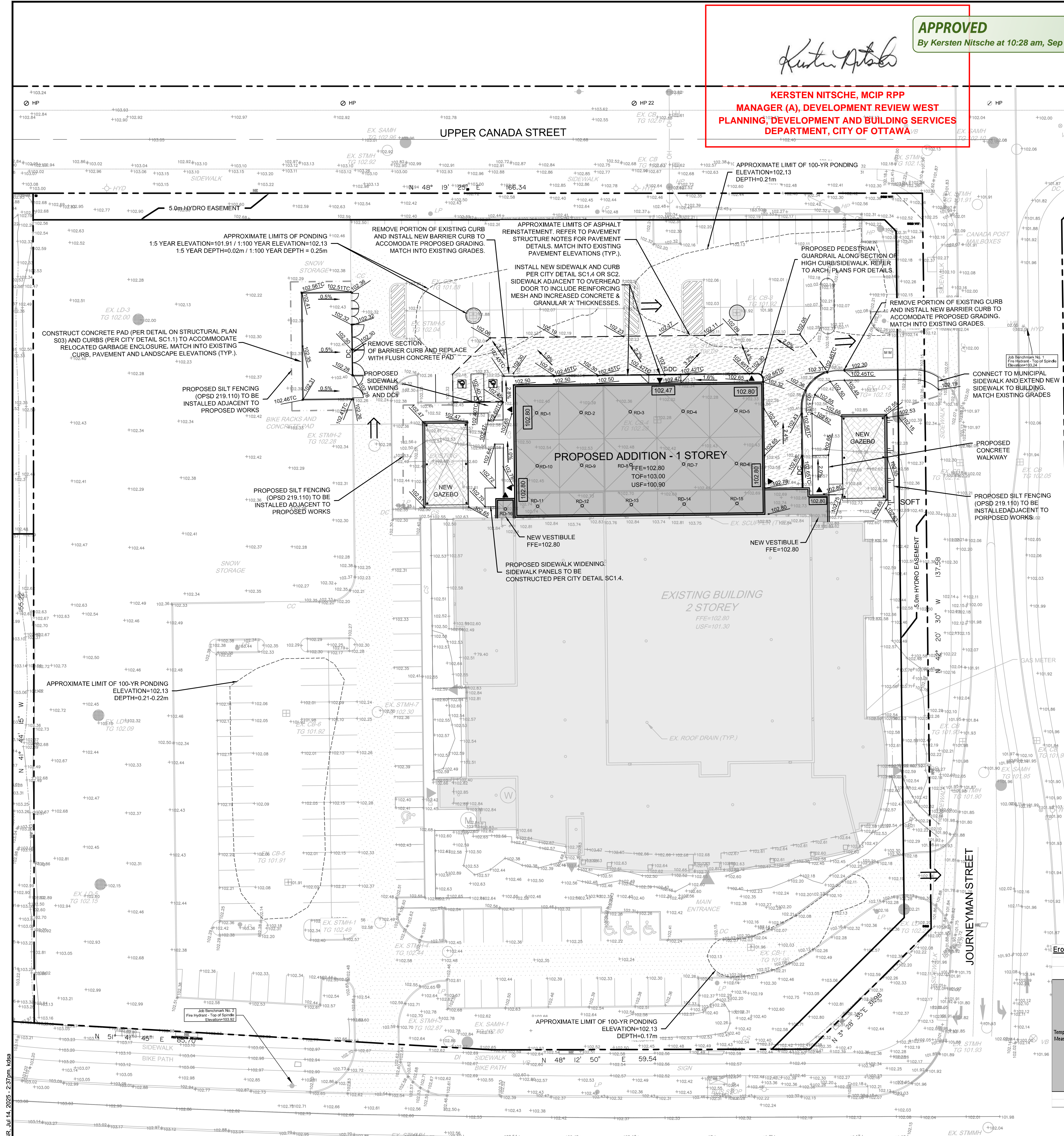
NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6

Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
CARPENTERS UNION - 8560 CAMPEAU DRIVE

DRAWING NAME
GENERAL PLAN OF SERVICES

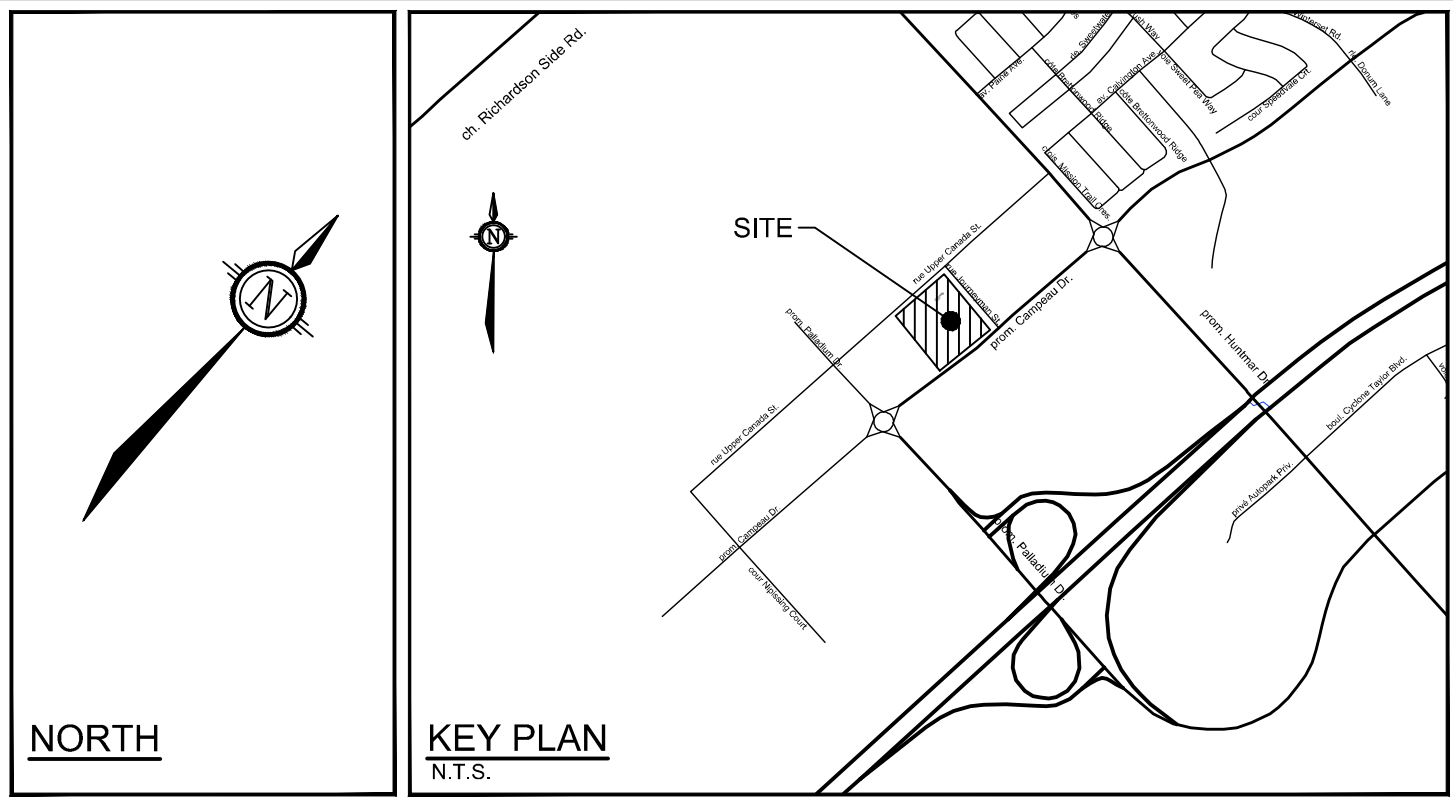
PROJECT No.	123082
REV	REV # 5
DRAWING No.	123082-GP



APPROVED
By Kersten Nitsche at 10:28 am, Sep 04, 2025

Kersten Nitsche
KERSTEN NITSCHKE, MCIP RPP
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

- LEGEND**
- PROPERTY LINE
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - PROPOSED TOP OF CURB ELEVATION
 - PROPOSED TERRACE ELEVATION
 - GRADE AND DIRECTION
 - EMERGENCY OVERLAND FLOW ROUTE
 - PROPOSED BARRIER CURB
 - PROPOSED DEPRESSED CURB
 - PROPOSED FINISHED FLOOR ELEVATION
 - UNDERSIDE OF FOOTING ELEVATION
 - PROPOSED BUILDING ENTRANCE
 - EXISTING BUILDING ENTRANCE
 - EXISTING HYDRO POLE AND ANCHOR
 - EXISTING HYDRO OVERHEAD WIRES
 - EXISTING LIGHT POLES(ON SITE)
 - EXISTING CONCRETE CURB
 - EXISTING SANITARY MANHOLE
 - EXISTING STORM MANHOLE
 - EXISTING CATCHBASIN
 - EXISTING HYDRANT & VALVE
 - EXISTING LANDSCAPE DRAIN
 - FILTER BAG PER ESC NOTE #3
 - PROPOSED SILT FENCING (OPSD 219.110)
 - EXISTING ROOF DRAIN
 - APPROXIMATE "HEAVY DUTY" ASPHALT REINSTATEMENT LIMITS
 - PROPOSED ROOF DRAINS
 - APPROXIMATE 5-YEAR SURFACE PONDING LIMITS
 - APPROXIMATE 100-YEAR SURFACE PONDING LIMITS



PAVEMENT STRUCTURES (PER PREVIOUS DESIGN):

- LIGHT DUTY (PARKING STALLS)
 - 50mm HL3 ASPHALTIC CONCRETE
 - 150mm GRANULAR "A" BASE (CRUSHED LIMESTONE)
 - 500mm GRANULAR "B" TYPE II SUB-BASE
 - *INSTALLED PER JP2G DESIGN
- HEAVY DUTY (AISLES AND FIRE ROUTES)
 - 40mm HL3 ASPHALTIC CONCRETE
 - 50mm HL8 ASPHALTIC CONCRETE
 - 150mm GRANULAR "A" BASE (CRUSHED LIMESTONE)
 - 500mm GRANULAR "B" TYPE II SUB-BASE
 - *INSTALLED PER JP2G DESIGN

Erosion and Sediment Control Responsibilities:									
ESC Measure	Symbol	Specification	Installation Responsibility	During Construction Inspection/Maintenance Responsibility	Inspection Frequency	After Construction Prior to Final Acceptance Approval to Remove	Removal Responsibility	After Final Acceptance Inspection/Maintenance Responsibility	
Silt Fence	---	OPSD 219.110	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	NA	
Filter Fabric	Location as Indicated in ESC Note #3	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	NA	
Mud Mat	Location as Indicated in ESC Note #3	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	NA	
Dust Control	Location as Required Around Site	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	NA	
Stabilized Material Stockpiling	Location as Required by Contractor	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	NA	
Sediment Basin (for flows being pumped out of excavations)	Location as Required by Contractor	...	Developer's Contractor	Developer's Contractor	After Every Rainstorm	Developer's Contractor	Developer's Contractor	NA	

NOTE:
THE POSITION OF ALL 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, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

OWNER INFORMATION
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8560 CAMPEAU DRIVE
KANATA, ONTARIO, K2T 0N7
JON BARON
PHONE: (613)-620-0213
E-MAIL: JBaron@ubcja.ca

No.	REVISION	DATE	BY
5	REVISED PER CITY COMMENTS	JULY 14/25	FST
4	ISSUED FOR TENDER	JUN 20/25	FST
3	ISSUED FOR TENDER	MAY 16/25	FST
2	ISSUED FOR BUILDING PERMIT	FEB 28/25	FST
1	ISSUED FOR SPC APPLICATION	FEB 28/25	FST

SCALE
1:400
0 4 8 12 16

DESIGN	FOR REVIEW ONLY
LP/KD	
CHECKED	FST
DRAWN	LP/KD
CHECKED	FST
APPROVED	FST



LOCATION CITY OF OTTAWA CARPENTERS UNION - 8560 CAMPEAU DRIVE	PROJECT NO. 123082
DRAWING NAME GRADING AND EROSION & SEDIMENT CONTROL PLAN	REV # 5 123082-GR

D07-12-25-0032

M:\2025\123082-SWM\123082-SWM.dwg, SWM, Jul 14, 2025 - 2:35pm, kds

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS,
WATERMAINS, SEWERS AND OTHER
UNDERGROUND AND OVERGROUND UTILITIES AND
STRUCTURES IS NOT NECESSARILY SHOWN ON
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BEFORE STARTING WORK, DETERMINE THE EXACT
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STRUCTURES AND ASSUME ALL LIABILITY FOR
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8560 CAMPEAU DRIVE
KANATA, ONTARIO, K2T 0N7
JON BARON
PHONE: (613)-620-0213
E-MAIL: JBaron@ucboj.ca

No.	REVISION	DATE	BY
2	REVISED PER CITY COMMENTS	JULY 14/25	FST
1	ISSUED FOR SITE PLAN CONTROL	FEB 28/25	FST

SCALE

1:400

0 4 8 12 16

DESIGN

LP/KD

CHECKED

FST

DRAWN

LP/KD

CHECKED

FST

APPROVED

FST

FOR REVIEW ONLY



NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
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Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
CARPENTER'S UNION

DRAWING NAME

POST-DEVELOPMENT
STORMWATER MANAGEMENT
PLAN

PROJECT No.

123082

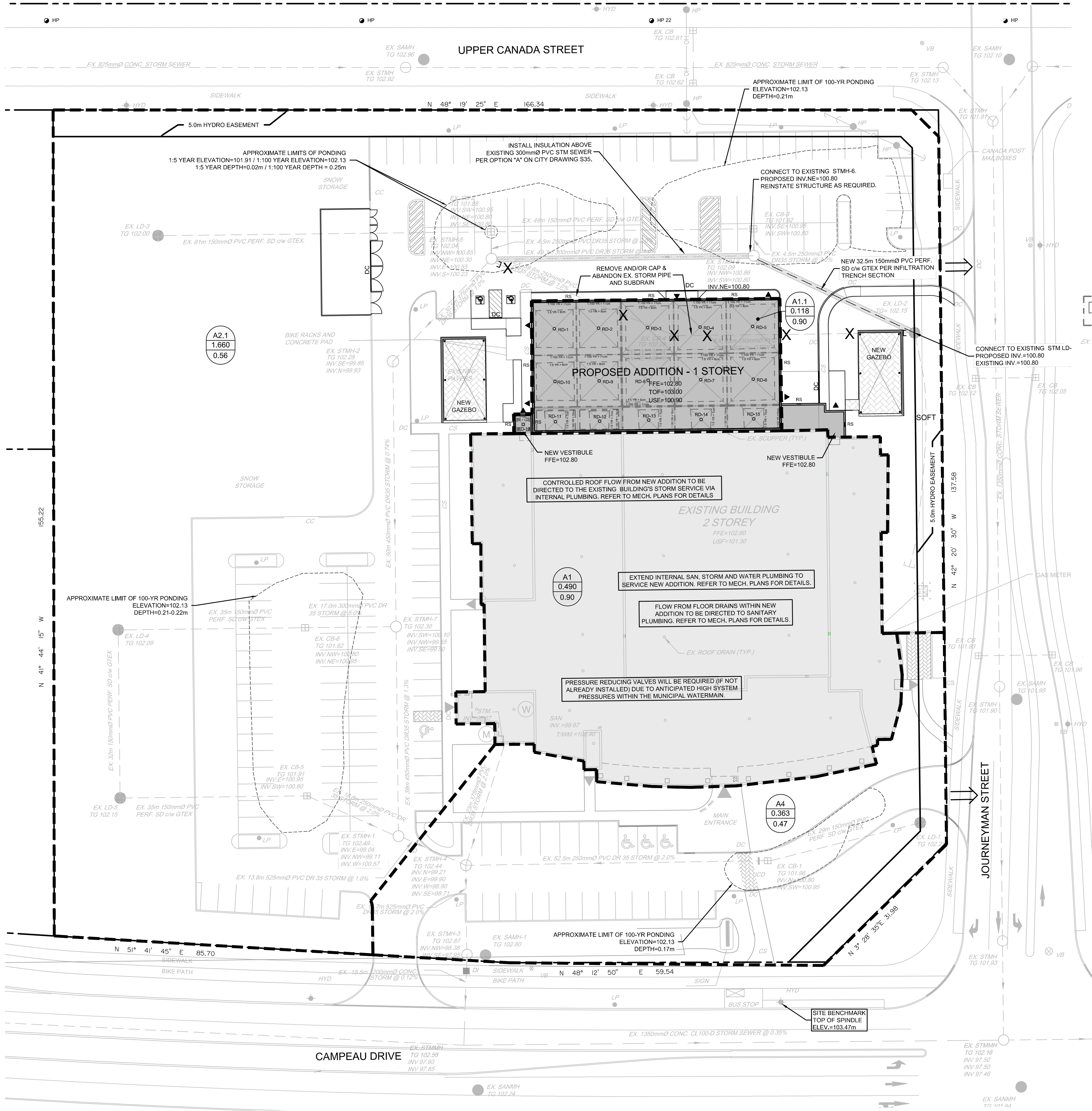
REV

REV # 2

DRAWING No.

123082-SWM

Plan #19291



LEGEND

---	PROPERTY LINE
POST 1.000 0.50	POST-DEVELOPMENT AREA ID
---	POST-DEVELOPMENT DRAINAGE AREA (ha)
---	1.5 YEAR WEIGHTED RUNOFF COEFFICIENT
---	DRAINAGE AREA LIMITS
---	EMERGENCY OVERLAND FLOW ROUTE
▲	PROPOSED BUILDING ENTRANCE
FFE	PROPOSED FINISHED FLOOR ELEVATION
USF	PROPOSED UNDERSIDE OF FOOTING ELEVATION
RD-6	PROPOSED ROOF DRAIN
RS	PROPOSED ROOF OVERFLOW SCUPPER
---	APPROXIMATE 5-YEAR SURFACE PONDING LIMITS
---	APPROXIMATE 100-YEAR SURFACE PONDING LIMITS
---	APPROXIMATE ROOF PONDING LIMITS
---	EXISTING STORM MANHOLE AND SEWER
---	EXISTING CATCHBASIN C/W CATCHBASIN LEAD
---	EXISTING LANDSCAPE DRAIN
X	ABANDON/REMOVALS
---	PROPOSED STORM SEWER

APPROVED

By Kersten Nitsche at 10:28 am, Sep 04, 2025

Kersten Nitsche

KERSTEN NITSCHKE, MCIP RPP
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

GENERAL NOTES:

- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
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- REFER TO THE GEOTECHNICAL DESIGN REPORT (PROPOSED BUILDING ADDITION AT 8560 CAMPEAU DRIVE, OTTAWA, ON, DATED APRIL 2025), PREPARED BY STANTEC CONSULTING LTD., FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
- REFER TO THE DEVELOPMENT SERVICING STUDY & STORMWATER MANAGEMENT REPORT (R-2023-142) PREPARED BY NOVATECH.

BENCHMARK NOTES:

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- BENCHMARK WAS PROVIDED ON PLAN OF SURVEY OF PART OF LOT 4, CONCESSION 1, GEOGRAPHIC TOWNSHIP OF HUNTLEY, SURVEYED BY MONUMENT-URSO SURVEYING LTD. (PLAN NO. R-7689 DATED SEPT 7, 2023.)

PROPOSED SITE FLOWS & STORMWATER MANAGEMENT TABLE						
DESIGN EVENT	EXISTING CONDITIONS		POST-DEVELOPMENT CONDITIONS			
	CONTROLLED AND UNCONTROLLED FLOWS (L/s)	ALLOWABLE RELEASE RATE (L/s)	A1 FLOW (L/s)	A1.1 FLOW (L/s)	A2.1 FLOW (L/s)	A-4 FLOW (L/s)
1.5 YR	441.8	570.0	100.0	5.1	279.9	49.4
1:100 YR	550.0		100.0	5.1	366.3	80.0

*TABLE REPRESENTS ROUNDED VALUES.

ROOF DRAIN TABLE						
AREA ID *	ROOF DRAIN No. (WATTS MODEL)**	ROOF DRAIN OPENING SETTING	5-YEAR RELEASE RATE	APPROX. 5-YEAR PONDING DEPTH	100-YEAR RELEASE RATE	APPROX. 100-YR PONDING DEPTH
A-1.1	RD 1 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 2 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 3 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 4 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 5 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 6 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
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	RD 8 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 9 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 10 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	8 cm	0.32 L/s	11 cm
	RD 11 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 12 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 13 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 14 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 15 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	7 cm	0.32 L/s	10 cm
	RD 16 (RD-100-A-ADJ.)	CLOSED	0.32 L/s	0 cm	0.32 L/s	7 cm
TOTAL CONTROLLED FLOW RATE			5.1 L/s	-	5.1 L/s	-

* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2023-142) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.

**ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDING TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.