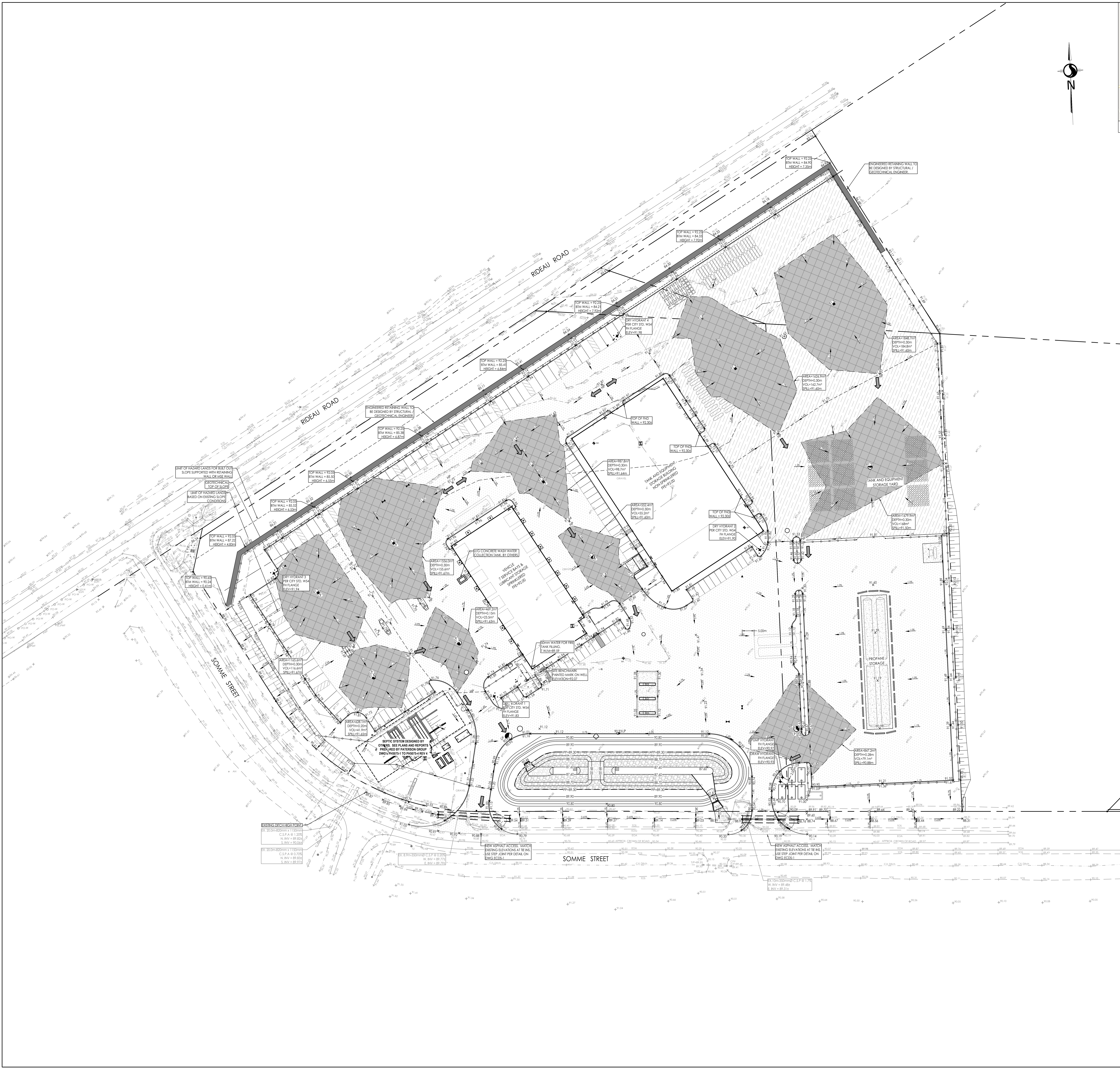
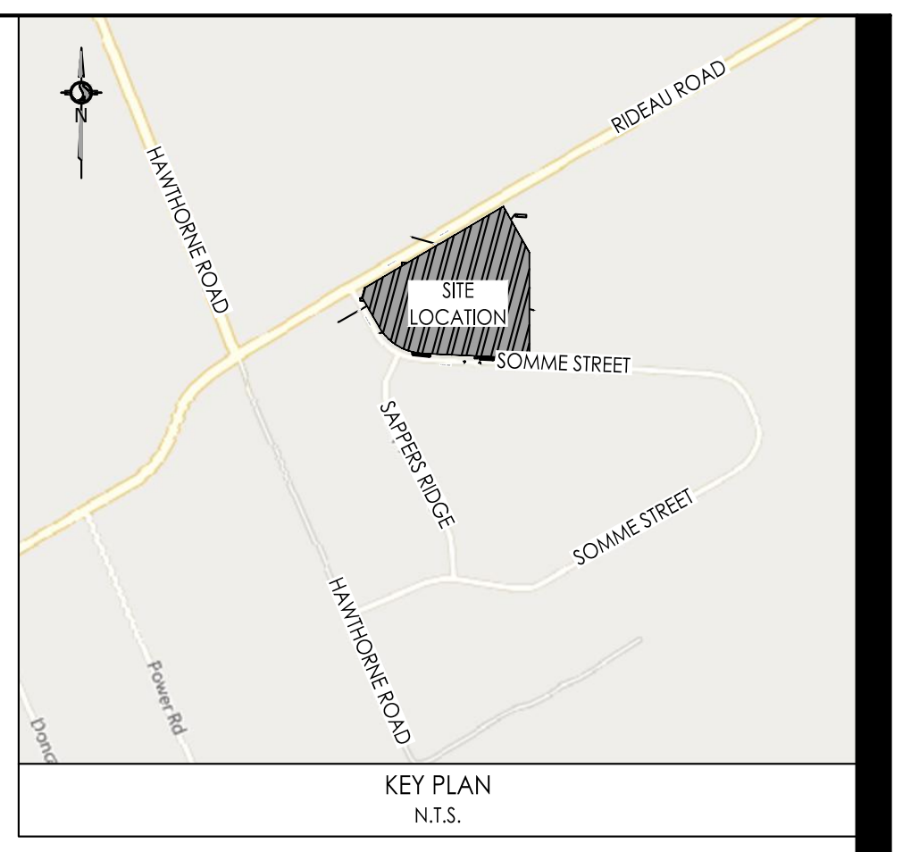

N
RIDEAU ROAD
SOMME STREET
ENGINEERED RETAINING WALL TO BE DESIGNED BY STRUCTURAL / GEOTECHNICAL ENGINEER.
TOP WALL = 92.25 BTM WALL = 84.90 HEIGHT = 7.35m
TOP WALL = 92.25 BTM WALL = 84.33 HEIGHT = 7.92m
TOP WALL = 92.25 BTM WALL = 84.21 HEIGHT = 7.92m
TOP WALL = 92.25 BTM WALL = 85.41 HEIGHT = 6.84m
TOP WALL = 92.25 BTM WALL = 85.38 HEIGHT = 6.87m
TOP WALL = 92.05 BTM WALL = 85.50 HEIGHT = 6.55m
TOP WALL = 92.05 BTM WALL = 85.52 HEIGHT = 6.53m
TOP WALL = 92.05 BTM WALL = 87.22 HEIGHT = 4.83m
TOP WALL = 90.65 BTM WALL = 90.24 HEIGHT = 0.41m
LIMIT OF HAZARD LANDS FOR BUILT OUT SLOPE SUPPORTED WITH RETAINING WALL OR MSE WALL
GEOTECHNICAL TOP OF SLOPE
LIMIT OF HAZARD LANDS BASED ON EXISTING SLOPE CONDITIONS
DRY HYDRANT 4 PER CITY STD. W54 FH FLANGE ELEV=91.98
DRY HYDRANT 3 PER CITY STD. W54 FH FLANGE ELEV=91.94
DRY HYDRANT 2 PER CITY STD. W54 FH FLANGE ELEV=91.90
DRY HYDRANT 1 PER CITY STD. W54 FH FLANGE ELEV=91.83
PUMP HYDRANT FH FLANGE ELEV=90.97
DRAW HYDRANT FH FLANGE ELEV=90.93
TOP OF FND WALL = 92.30±
TANK AND EQUIPMENT STORAGE BUILDING NON-SPRINKLERED FFE=92.00
VEHICLE 7 SERVICE BAYS & LUBRICANT STORAGE SPRINKLERED FFE=92.00
U/G CONCRETE WASH WATER COLLECTION TANK. BY OTHERS.
TANK AND EQUIPMENT STORAGE YARD
PROPANE STORAGE
AREA=1848.7m² DEPTH=0.30m VOL=184.8m³ SPILL=91.60m
AREA=1626.9m² DEPTH=0.30m VOL=162.7m³ SPILL=91.60m
AREA=987.8m² DEPTH=0.30m VOL=98.7m³ SPILL=91.64m
AREA=552.4m² DEPTH=0.30m VOL=55.2m³ SPILL=91.60m
AREA=1679.9m² DEPTH=0.30m VOL=168m³ SPILL=91.50m
AREA=1556.0m² DEPTH=0.30m VOL=155.6m³ SPILL=91.67m
AREA=469.2m² DEPTH=0.15m VOL=23.5m³ SPILL=91.63m
AREA=1165.6m² DEPTH=0.30m VOL=116.6m³ SPILL=91.67m
AREA=628.1m² DEPTH=0.20m VOL=41.9m³ SPILL=91.65m
AREA=847.2m² DEPTH=0.28m VOL=79.1m³ SPILL=90.88m
50mm WATER FOR FIRE TANK FILLING. T W/M=89.59
SITE BENCHMARK PAINTED MARK ON WELL ELEVATION=92.07
SEPTIC SYSTEM DESIGNED BY OTHERS. SEE PLANS AND REPORTS PREPARED BY PATERSON GROUP DWG's PH5075-1 TO PH5075-4 REV 4
EXISTING DITCH HIGH POINT.
EX. 20.0m-820mm x 1150mm C.S.P.A @ 1.20% N. INV = 89.82± S. INV = 90.06±
EX. 20.0m-820mm x 1150mm C.S.P.A @ 0.70% N. INV = 89.83± S. INV = 89.97±
EX. 8.9m-350mmØ C.S.P @ 0.20% W. INV = 89.77± E. INV = 89.79±
EX.10m-350mmØ C.S.P @ 1.7% W. INV = 89.48± E. INV = 89.31±
NEW ASPHALT ACCESS. MATCH EXISTING ELEVATIONS AT TIE INS. USE STEP JOINT PER DETAIL ON DWG ECDS-1
APPROX. CROWN OF ROAD
C/L Ditch
GRAVEL
5.00m
PP=89.30



KEY PLAN
N.T.S.

Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

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Legend

× 99.99	ORIGINAL GROUND ELEVATION
99.99 ×	PROPOSED ELEVATION
× 99.99	PROPOSED LOT CORNER ELEVATION
98.88	EXISTING LOT CORNER ELEVATION
← 2.0%	FLOW DIRECTION AND GRADE
FFE=100.00	FINISHED FIRST FLOOR ELEVATION
USF=97.00	UNDERSIDE OF FOOTING ELEVATION
(E.F.)	ENGINEERED FILL REQUIRED
	TERRACING 3:1 SLOPE MAXIMUM (UNLESS OTHERWISE SHOWN)
⇦	DIRECTION OF EMERGENCY OVERLAND FLOW
⋈	PROPOSED VALVE BOX
⊗	PROPOSED VALVE CHAMBER
⊕	PROPOSED FIRE HYDRANT
●	PROPOSED SANITARY SEWER MANHOLE
○	PROPOSED STORM SEWER MANHOLE
◐	PROPOSED CATCHBASIN MANHOLE
■	PROPOSED CATCHBASIN
⬡	PROPOSED CB T
D.C.	PROPOSED DEPRESSED CURB LOCATION
═	PROPOSED BARRIER CURB
▒	PROPOSED HEAVY DUTY ASPHALT
▨	PROPOSED GRAVEL PARKING
— — —	OVERLAND SPILL LOCATION
▭	TWSI LOCATION AS PER CITY STD
▩	MAXIMUM STATIC PONDING LIMITS
▬	ENGINEERED RETAINING WALL TO BE DESIGNED BY STRUCTURAL / GEOTECHNICAL ENGINEER.
—o—o—o—o—	CHAIN LINK FENCE PER ARCHITECTURAL PLANS

Notes

PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL INVESTIGATION PROPOSED COMMERCIAL DEVELOPMENT, 301 SOMME STREET, OTTAWA, ONTARIO. PREPARED BY PATERSON GROUP. REPORT No PG7567-1, DATED AUGUST 14, 2025.

PAVEMENT STRUCTURE - CAR PARKING ONLY
50mm HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
150mm OPSS GRANULAR 'A' BASE
300mm OPSS GRANULAR 'B' TYPE II

PAVEMENT STRUCTURE - ACCESS LANES AND HEAVY TRUCKS
40mm HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
50mm HL-8 OR SUPERPAVE 19.0 ASPHALTIC CONCRETE
150mm OPSS GRANULAR 'A' BASE
450mm OPSS GRANULAR 'B' TYPE II

ELEVATION NOTES

1. ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM.
2. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE JOB BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND THAT IT'S RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON THIS DRAWING.

BEARINGS ARE GRID, DERIVED FROM CAN-NET 2016 REAL TIME NETWORK GPS OBSERVATIONS, MTM ZONE 9 (76°30' WEST LONGITUDE) NAD-83 (CSRS)(2010).

Revision		By	Appd.	YY.MM.DD
2	REVISED PER SITE PLAN AND CITY COMMENTS	MJS	PM	26.09.04
1	REVISED PER CITY COMMENTS	MJS	PM	26.04.09
0	ISSUED FOR REVIEW	MJS	PM	25.08.22

File Name: 160402138 DB.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD
	MJS	DT	MJS	25.07.03

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2026-09-09
PROVINCE OF ONTARIO

Client/Project
W.O. Stinson & Son Ltd.

VEHICLE YARD SERVICE BUILDING
301 SOMME STREET
OTTAWA, ON, CANADA

Title
SITE GRADING PLAN

Project No. 160402138
Scale 1:500 0 5 15 25m

Drawing No. GP-1
Sheet 4 of 9
Revision 2