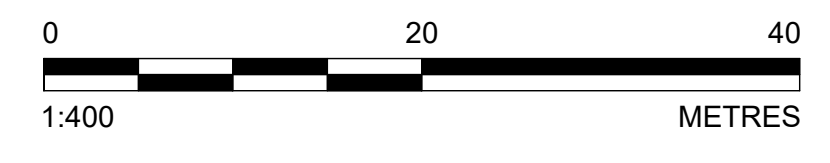


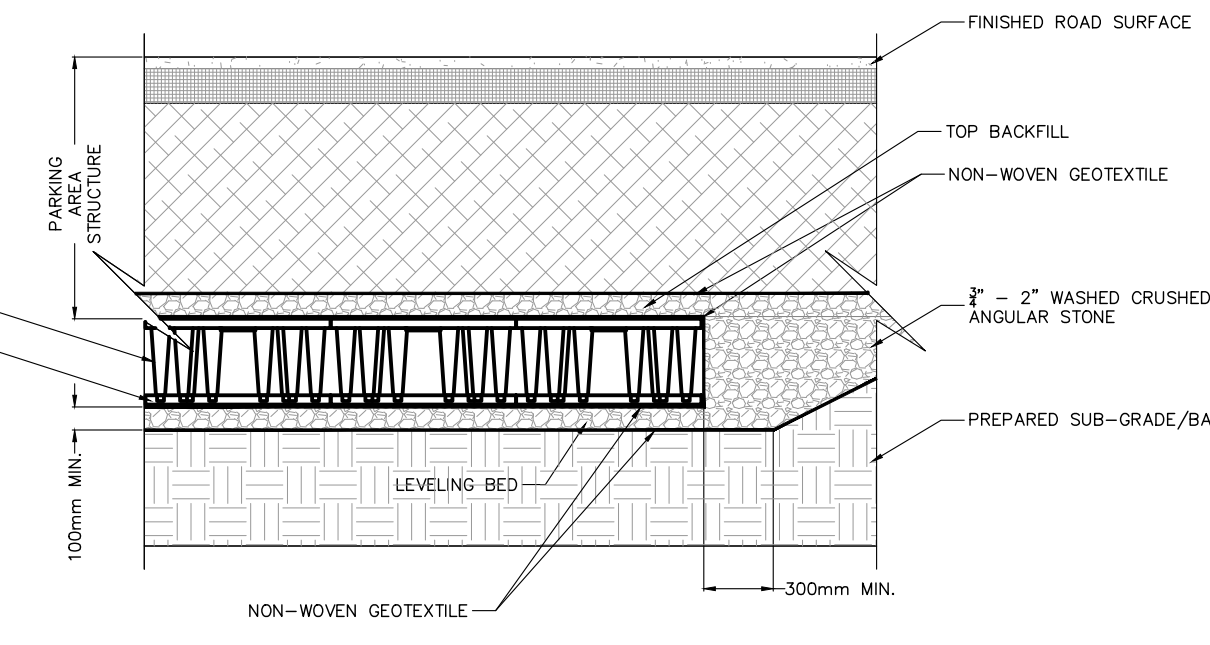
KEY PLAN
NOT TO SCALE



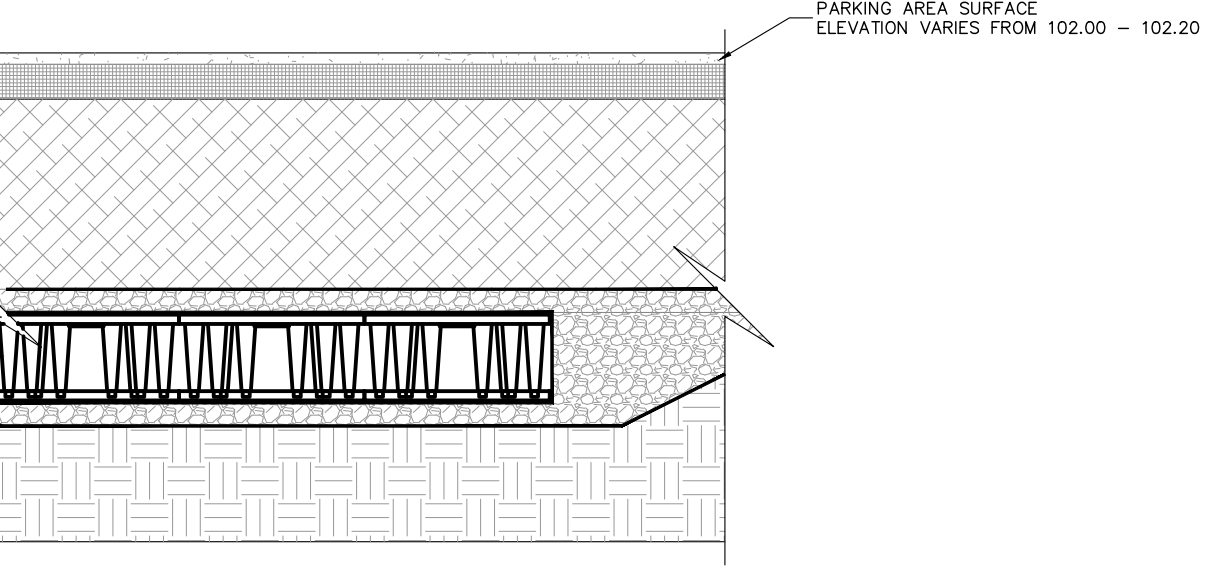
LEGEND

- PROPERTY BOUNDARY
- - - ZONING SETBACK
- - - PROPOSED TOP OF SLOPE
- - - PROPOSED BOTTOM OF SLOPE
- - - PROPOSED CENTERLINE OF FLOW
- - - PROPOSED STORM SEWER
- - - PROPOSED SANITARY SEWER
- - - PROPOSED WATERMAIN
- PR. CB
- PR-MH
- PR. RYCB
- PROPOSED REAR YARD CATCHBASIN
- - - EXISTING ELEVATION
- - - EXISTING BOTTOM OF SLOPE
- - - EXISTING CENTERLINE OF FLOW
- - - EXISTING TOP OF SLOPE
- - - EXISTING STORM SEWER
- - - EXISTING SANITARY SEWER
- - - EXISTING WATERMAIN
- - - EXISTING FENCE LINE
- - - EXISTING EDGE OF TREE/BUSH
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING CATCHBASIN
- EXISTING CATCHBASIN INLET
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING ROOF DRAIN
- EXISTING LIGHT POST
- TEMPORARY BENCHMARK
- DEPRESSED CURB

SERVICING PLAN
SCALE = 1:400



ECOBLOC UNDERGROUND STORMWATER MODULES
(NOT TO SCALE)



ELEVATION DETAILS OF UNDERGROUND STORMWATER MODULES
(NOT TO SCALE)

SEWER NOTES:

- SUPPLY AND CONSTRUCT ALL SEWERS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARDS FOR ROADS AND PUBLIC WORKS.
- SPECIFICATIONS:

| ITEM | CITY STD DWG No. |
|--------------------------|------------------|
| SEWER SERVICE CONNECTION | S11 & S11.1 |
| SEWER TRENCH | S6 & S7 |
- INSULATE ALL SANITARY PIPES THAT HAVE LESS THAN 2.0m COVER WITH THERMAL INSULATION. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
- FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTION PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSK, POSITIVE SEAL AND DURASEAL). SANITARY RUBBER GASKET TYPE JOINTS SHALL CONFORM TO CSA (B-182.2,3,4).
- THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SERVICES. 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.
- CONTRACTOR TO TELEVISION (CCTV) THE SEWER LATERAL AFTER PIPE INSTALLATION AND BACKFILL IS COMPLETED. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES TO MUNICIPAL SATISFACTION.
- IF THE SANITARY SERVICE CROSSES ABOVE THE WATERMAIN, THE CONTRACTOR IS TO PROVIDE A MINIMUM OF 0.50m VERTICAL SEPARATION, ADEQUATE STRUCTURAL SUPPORT OF THE SEWER TO PREVENT SETTLING AND EXCESSIVE JOINT DEFLECTION AND ENSURE THAT THE LENGTH OF THE WATER PIPE BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS ARE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.

WATERMAIN NOTES:

- CITY TO SUPPLY, INSTALL & DISINFECT THE WATER SERVICE; CONTRACTOR TO EXCAVATE, BACKFILL AND REINSTATE THE ROADWAY AS PER STD DWG R10.
- SPECIFICATIONS:

| ITEM REFERENCE | SPEC. No. | City Std Dwg No. |
|--------------------------------|-----------------|---------------------|
| WATERMAIN BEDDING AND BACKFILL | 802.010/802.031 | W17 (trench detail) |
| CATHODIC PROTECTION | 1109.010 | W40 |
| CHLORINATION | C-651-05 | |
| AWWA | | |
| WATER LATERAL MATERIAL | TYPE K COPPER | |
- WATER SERVICE SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED. WHERE LESS THAN 2.4m COVER, THERMAL INSULATION IS TO BE PROVIDED AS PER CITY STD DWG W22 (In shallow trenches), W23 (At open structures).
- METALLIC WARNING TAPE SHALL BE USED OVER THE WATER SERVICE.
- INSTALL AND TEST TRACER WIRE FOR THE PROPOSED WATER SERVICE IN ACCORDANCE WITH THE CITY OF OTTAWA DESIGN STANDARDS AS SPECIFIED IN SECTION 4.3.12.
- EXISTING WATERMAIN INFORMATION SHOWN IS BASED ON BEST CURRENT INFORMATION. CONTRACTOR TO VERIFY EXACT LOCATION OF WATERMAIN AND REPORT ANY DISCREPANCIES TO KOLLAARD ASSOCIATES INC.
- ALL WATER SERVICES SHALL HAVE A SHUT OFF VALVE LOCATED AT THE PROPERTY LINE. TYPICAL PRIVATE SERVICE AS PER STD. DWG. W33. (with the exception that the curb stop is to be located 1.0 m minimum from the foundation wall); SERVICE POST AS PER STD. DWG. W35.
- ALL CONNECTORS, RODS AND VALVE BOLTS SHALL BE STAINLESS STEEL.
- VALVES ARE TO BE OPERATED BY CITY OF OTTAWA STAFF ONLY.
- NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY OF OTTAWA AND CITY OF OTTAWA FORCES ARE ON HAND TO MAKE THE CONNECTION.

- NOTES:
- ALL DIMENSIONS ARE IN METRES, UNLESS OTHERWISE SPECIFIED. ALL ELEVATIONS ARE IN METRES.
 - THIS IS NOT A LEGAL SURVEY.
 - EXISTING SERVICES INFORMATION SHOWN ARE BASED ON BEST CURRENT INFORMATION. CONTRACTOR TO VERIFY EXACT LOCATION AND REPORT ANY DISCREPANCIES TO KOLLAARD ASSOCIATES INC.
 - CLIENT IS RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS.
 - CONTRACTOR TO VERIFY THAT APPROPRIATE PERMITS HAVE BEEN ACQUIRED PRIOR TO ANY CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PROTECTION OF UTILITIES.
 - ALL DIMENSIONS TO BE VERIFIED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION.
 - THIS DRAWING IS NOT FOR CONSTRUCTION UNTIL ALL APPROVALS HAVE BEEN GRANTED.
 - INSPECTION OF ROUGH GRADE BY KOLLAARD ASSOCIATES INC. AND MUNICIPALITY MUST BE CONDUCTED PRIOR TO PLACEMENT OF TOPSOIL OR SOD.
 - HYDRO SERVICE TO BE INSTALLED ACCORDING TO THE SPECIFICATIONS OF SERVICE PROVIDER AND THE MECHANICAL ENGINEER.
 - ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH MUNICIPAL STANDARDS AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
 - ANY CHANGES MADE TO THIS PLAN MUST BE VERIFIED AND APPROVED BY KOLLAARD ASSOCIATES, INC.
 - THIS DRAWING IS PART OF KOLLAARD ASSOCIATES DESIGN REPORT #250848.

| NO. | COMMENT | 2025.XXX.XX | XX |
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| NO. | REVISION | DATE | BY |
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Kollaard Associates Engineers

BOX 189
210 PRESCOTT STREET
KEMPTVILLE, ONTARIO
K0G 1A0
FACSIMILE (613) 258-0475

(613) 860-0923

DESIGN: AVB
DRAWN: BM
CHECKED: AVB
APPROVED: AVB

STAMP: LICENSED PROFESSIONAL ENGINEER
MAY 14, 2026
A.L.VAN BRUGGEN
100518079
PROVINCE OF ONTARIO

CLIENT NAME: 1763295 ONTARIO INC.
PROJECT NAME: PROPOSED COMMERCIAL DEVELOPMENT
PROJECT LOCATION: 41 EDGEWATER STREET, KANATA ON

DATE: 2026.03.19
SCALE: AS NOTED

DRAWING: SERVICING PLAN
DRAWING NO.: 5 OF 6

PROJECT No.: 250848
DATE: 2026.03.19
SCALE: AS NOTED
DRAWING No.: 5 OF 6

LEGAL INFORMATION:
PLAN OF SURVEY OF PART OF LOT 38 CONVEYANCE 12 GEOGRAPHIC TOWNSHIP OF GOULBOURN NOW IN THE CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebakk Ltd.
TOPOGRAPHIC INFORMATION:
TOPOGRAPHIC SURVEY FILE #250848
DATE: 2025-10-15
Surveyed by Kollaard Associates Inc.

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