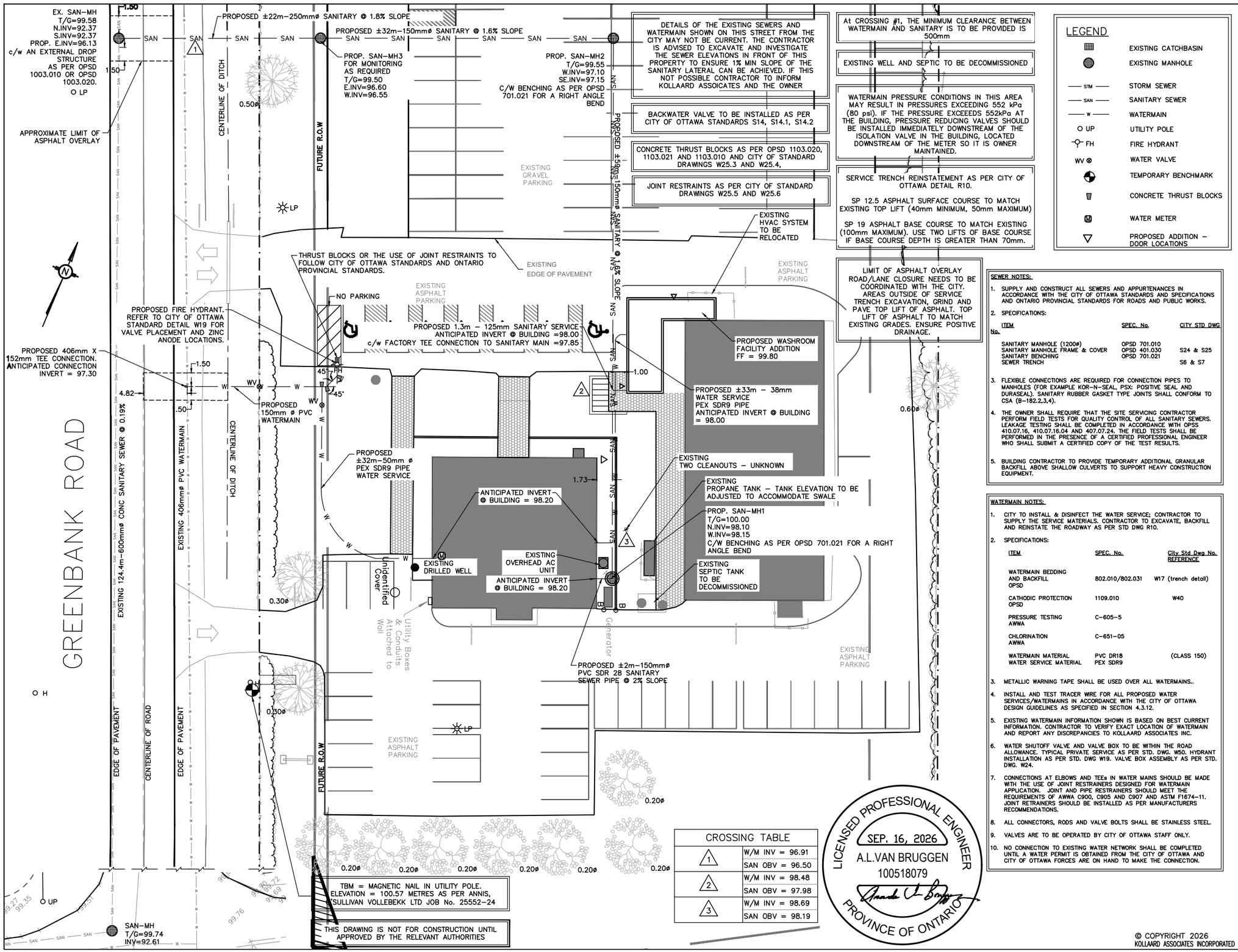


DETAILS OF THE EXISTING SEWERS AND WATERMAIN SHOWN ON THIS STREET FROM THE CITY MAY NOT BE CURRENT. THE CONTRACTOR IS ADVISED TO EXCAVATE AND INVESTIGATE THE SEWER ELEVATIONS IN FRONT OF THIS PROPERTY TO ENSURE 1% MIN SLOPE OF THE SANITARY LATERAL CAN BE ACHIEVED. IF THIS NOT POSSIBLE CONTRACTOR TO INFORM KOLLAARD ASSOICATES AND THE OWNER

BACKWATER VALVE TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S14, S14.1, S14.2

CONCRETE THRUST BLOCKS AS PER OPSD 1103.020, 1103.021 AND 1103.010 AND CITY OF STANDARD DRAWINGS W25.3 AND W25.4,

JOINT RESTRAINTS AS PER CITY OF STANDARD DRAWINGS W25.5 AND W25.6

At CROSSING #1, THE MINIMUM CLEARANCE BETWEEN WATERMAIN AND SANITARY IS TO BE PROVIDED IS 500mm

EXISTING WELL AND SEPTIC TO BE DECOMMISSIONED

WATERMAIN PRESSURE CONDITIONS IN THIS AREA MAY RESULT IN PRESSURES EXCEEDING 552 kPa (80 psi). IF THE PRESSURE EXCEEDS 552kPa AT THE BUILDING, PRESSURE REDUCING VALVES SHOULD BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE ISOLATION VALVE IN THE BUILDING, LOCATED DOWNSTREAM OF THE METER SO IT IS OWNER MAINTAINED.

SERVICE TRENCH REINSTATEMENT AS PER CITY OF OTTAWA DETAIL R10.

SP 12.5 ASPHALT SURFACE COURSE TO MATCH EXISTING TOP LIFT (40mm MINIMUM, 50mm MAXIMUM)

SP 19 ASPHALT BASE COURSE TO MATCH EXISTING (100mm MAXIMUM). USE TWO LIFTS OF BASE COURSE IF BASE COURSE DEPTH IS GREATER THAN 70mm.

LIMIT OF ASPHALT OVERLAY ROAD/LANE CLOSURE NEEDS TO BE COORDINATED WITH THE CITY. AREAS OUTSIDE OF SERVICE TRENCH EXCAVATION, GRIND AND PAVE TOP LIFT OF ASPHALT. TOP LIFT OF ASPHALT TO MATCH EXISTING GRADES. ENSURE POSITIVE DRAINAGE.

LEGEND

- EXISTING CATCHBASIN
- EXISTING MANHOLE
- STM — STORM SEWER
- SAN — SANITARY SEWER
- W — WATERMAIN
- UP — UTILITY POLE
- FH — FIRE HYDRANT
- WV — WATER VALVE
- TEMPORARY BENCHMARK
- CONCRETE THRUST BLOCKS
- M — WATER METER
- PROPOSED ADDITION - DOOR LOCATIONS

SEWER NOTES:

1. 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.
2. SPECIFICATIONS:

ITEM No.	SPEC. No.	CITY STD DWG
SANITARY MANHOLE (1200ø)	OPSD 701.010	
SANITARY MANHOLE FRAME & COVER	OPSD 401.030	S24 & S25
SANITARY BENCHING	OPSD 701.021	
SEWER TRENCH		S6 & S7

3. FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTION PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSX: POSITIVE SEAL AND DURASEAL). SANITARY RUBBER GASKET TYPE JOINTS SHALL CONFORM TO CSA (B-182.2,3,4).
4. 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 OPSS 410.07.16, 410.07.16.04 AND 407.07.24. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
5. BUILDING CONTRACTOR TO PROVIDE TEMPORARY ADDITIONAL GRANULAR BACKFILL ABOVE SHALLOW CULVERTS TO SUPPORT HEAVY CONSTRUCTION EQUIPMENT.

WATERMAIN NOTES:

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

ITEM	SPEC. No.	City Std Dwg No. REFERENCE
WATERMAIN BEDDING AND BACKFILL OPSD	802.010/802.031	W17 (trench detail)
CATHODIC PROTECTION OPSD	1109.010	W40
PRESSURE TESTING AWWA	C-605-5	
CHLORINATION AWWA	C-651-05	
WATERMAIN MATERIAL WATER SERVICE MATERIAL	PVC DR18 PEX SDR9	(CLASS 150)

3. METALLIC WARNING TAPE SHALL BE USED OVER ALL WATERMAINS..
4. INSTALL AND TEST TRACER WIRE FOR ALL PROPOSED WATER SERVICES/WATERMAINS IN ACCORDANCE WITH THE CITY OF OTTAWA DESIGN GUIDELINES AS SPECIFIED IN SECTION 4.3.12.
5. 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.
6. WATER SHUTOFF VALVE AND VALVE BOX TO BE WITHIN THE ROAD ALLOWANCE. TYPICAL PRIVATE SERVICE AS PER STD. DWG. W50. HYDRANT INSTALLATION AS PER STD. DWG W19. VALVE BOX ASSEMBLY AS PER STD. DWG. W24.
7. CONNECTIONS AT ELBOWS AND TEEs IN WATER MAINS SHOULD BE MADE WITH THE USE OF JOINT RESTRAINERS DESIGNED FOR WATERMAIN APPLICATION. JOINT AND PIPE RESTRAINERS SHOULD MEET THE REQUIREMENTS OF AWWA C900, C905 AND C907 AND ASTM F1674-11. JOINT RETRAINERS SHOULD BE INSTALLED AS PER MANUFACTURERS RECOMMENDATIONS.
8. ALL CONNECTORS, RODS AND VALVE BOLTS SHALL BE STAINLESS STEEL.
9. VALVES ARE TO BE OPERATED BY CITY OF OTTAWA STAFF ONLY.
10. 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.

CROSSING TABLE		
1	W/M INV = 96.91	
	SAN OBV = 96.50	
2	W/M INV = 98.48	
	SAN OBV = 97.98	
3	W/M INV = 98.69	
	SAN OBV = 98.19	

LICENSED PROFESSIONAL ENGINEER
SEP. 16, 2026
A.L.VAN BRUGGEN
100518079
PROVINCE OF ONTARIO

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KOLLAARD ASSOCIATES INCORPORATED

DRAWING NUMBER: 241068-SER

CONSTRUCTION NOTES:

1. All dimensions and elevations are in metres. Do not scale drawing.
2. This drawing is not a legal survey, a utility plan or a site plan and is for sanitary, storm and water servicing only.
3. TBM = Magnetic nail in utility pole. Elevation = 100.57 metres as per Annis, O'Sullivan Vollebekk Ltd Job No. 25552-24.
4. This drawing cannot be accepted as acknowledging all of the utilities, and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
5. This drawing is not for construction until approved by the relevant authorities.
6. Underside of Footing (USF) elevations are assumed on drawing.
7. Existing location of watermain and sanitary sewer as shown on this plan are approximate. Contractor to verify in the field to confirm exact location prior to construction.
8. Service laterals to be insulated where soil is cover is less than 2.4 metres for water services and 2 metres sanitary and storm services as per City of Ottawa Standard Drawing W22.
9. If water service is less than 2.4 metres from sewer manhole or catchbasin, contractor shall insulate between them with s/m rigid insulation as per City of Ottawa Standard Drawing W23.
10. Bedding for sewers and watermain installation shall be granular type 'A" compacted to 95% dry proctor density.
11. All dimensions to be verified on site by contractor prior to construction.
12. Client is responsible for acquiring all necessary permits.
13. Elevations of existing storm and sanitary services were provided by the Information Centre at the City of Ottawa.
14. Any changes made to this plan must be verified and approved by Kollaard Associates Inc.
15. Kollaard Associates accepts not responsibility if the servicing plan is used for the purposes other than lot servicing. Dimensions are included on the servicing plan as a courtesy and are not to be used for layout
16. This servicing plan is not a site plan. Proposed building addition as per site plan provided by client/designer. Client is responsible to ensure building location meets municipal zoning by-laws.

REV.	NAME	DATE	DESCRIPTION
5	AVB	09/16/2026	FOR CITY OF OTTAWA REVIEW
4	AVB	07/22/2026	RESPONSE TO 3rd SET OF CITY COMMENTS
3	AVB	07/15/2026	NOT INCLUDED IN THIS SUBMISSION
2	AVB	04/14/2026	RESPONSE TO 2nd SET OF CITY COMMENTS
1	AVB	09/25/2025	RESPONSE TO CITY REVIEW COMMENTS
0	AVB	09/25/2025	FOR CITY OF OTTAWA REVIEW

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PO BOX 189
KEMPTVILLE ONTARIO
K0G 1J0
www.kollaard.ca
info@kollaard.ca

CLIENT: BARRHAVEN ISLAMIC CENTRE

PROJECT: EXISTING ISLAMIC CENTRE

DRAWING: PROPOSED LOT SERVICING PLAN

LOCATION:
3971 GREENBANK ROAD
R.PLAN 4R-19715, PART 2
LOT 6, CONC. 2,
NEPEAN,
CITY OF OTTAWA, ONTARIO

DESIGNED BY:	*DATE:*
NR/AVB	SEP 14, 2026
DRAWN BY:	*SCALE:*
NR/AVB	1:400

KOLLAARD FILE NUMBER: 241068