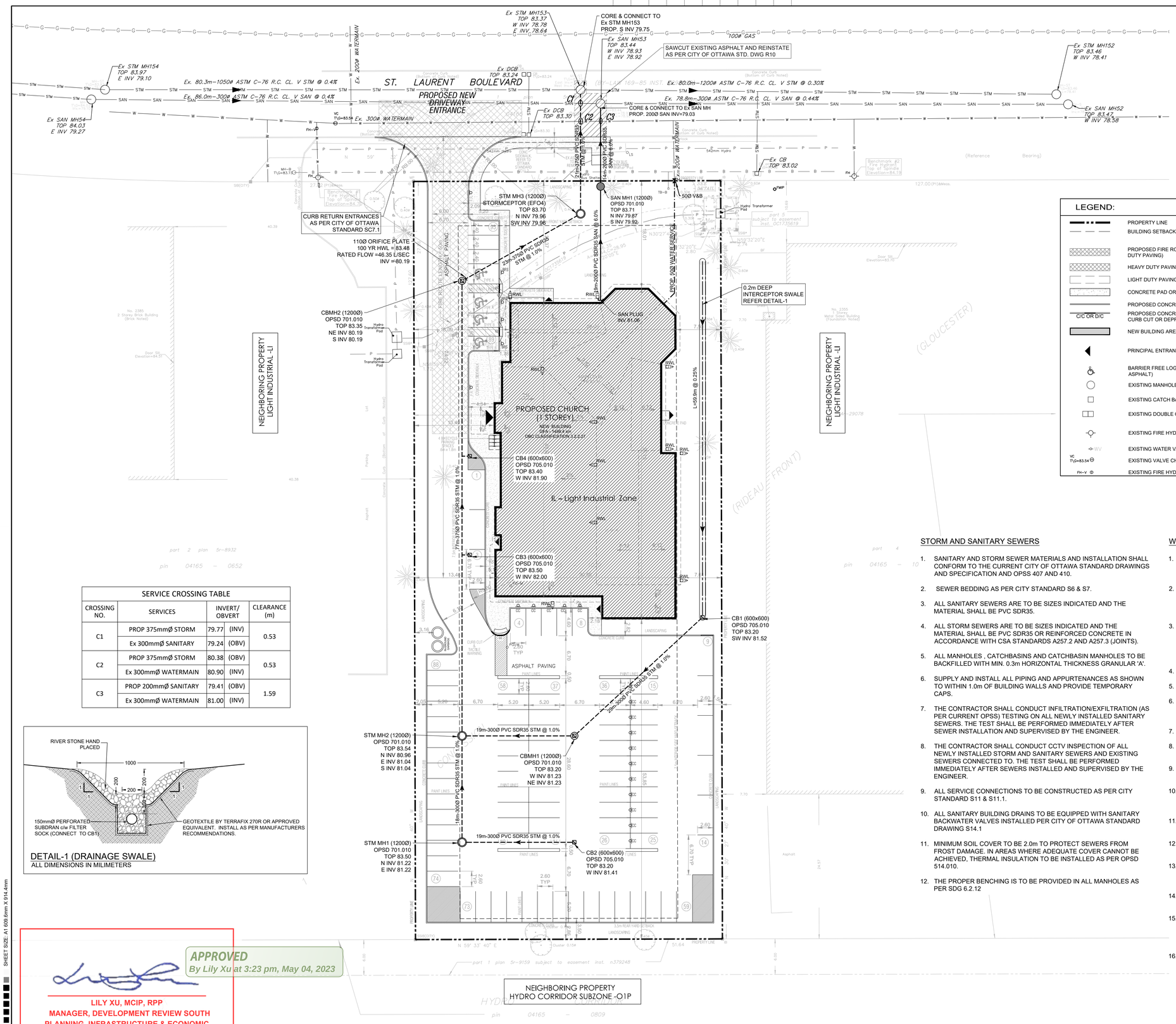


SERVICE CROSSING TABLE				
CROSSING NO.	SERVICES	INVERT/ OBVERT		CLEARANCE (m)
C1	PROP 375mmØ STORM	79.77	(INV)	0.53
	Ex 300mmØ SANITARY	79.24	(OBV)	
C2	PROP 375mmØ STORM	80.38	(OBV)	0.53
	Ex 300mmØ WATERMAIN	80.90	(INV)	
C3	PROP 200mmØ SANITARY	79.41	(OBV)	1.59
	Ex 300mmØ WATERMAIN	81.00	(INV)	

DETAIL-1 (DRAINAGE SWALE)
ALL DIMENSIONS IN MILIMETERS

APPROVED
By Lily Xu at 3:23 pm, May 04, 2023

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

SHEET SIZE: A1 609.6mm X 914.4mm

TOPOGRAPHICAL PLAN OF SURVEY

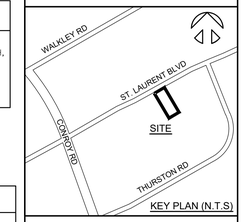
PART OF LOT 1
CONCESSION 5 (RIDEAU FRONT)
Geographic Township of Nepean
CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Plan Amended September 7, 2017 to illustrate additional services.

OWNERS	APPLICANT
OWNERS NAME The CornerStone House of Refuge Apostolic Church (CHORAC) ADDRESS 1196 Wellington St West, Ottawa, ON. K1Y 2Z5 (613) PHONE #: 725–1432	REINDERS + LAW LTD. 64 ONTARIO STREET NORTH, MILTON ON L9T 2T1 P (905)457–1618 F (905)457–8852

TRUE NORTH

CONSTRUCTION NORTH



KEY PLAN (N.T.S)

LEGEND:

- PROPERTY LINE
- BUILDING SETBACK LINE
- PROPOSED FIRE ROUTE (USING HEAVY DUTY PAVING)
- HEAVY DUTY PAVING
- LIGHT DUTY PAVING
- CONCRETE PAD OR SIDEWALK
- PROPOSED CONCRETE CURB
- C/C OR D/C — PROPOSED CONCRETE CURB WITH CURB CUT OR DEPRESSED CURB
- NEW BUILDING AREA (FOOTPRINT)
- PRINCIPAL ENTRANCE TO THE BUILDING
- BARRIER FREE LOGO (PAVED ON ASPHALT)
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING DOUBLE CATCH BASIN
- EXISTING FIRE HYDRANT
- WV — EXISTING WATER VALVE
- VC T/G=83.54 — EXISTING VALVE CHAMBER FOR WATERMAIN
- FH–V — EXISTING FIRE HYDRANT VALVE
- PROPOSED SANITARY MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED VALVE & BOX
- G — EXISTING GAS
- P — EXISTING UNDERGROUND POWER
- B — EXISTING UNDERGROUND BELL
- W — EXISTING WATER PIPE
- SAN — EXISTING SANITARY PIPE
- STM — EXISTING STORM PIPE
- PROPOSED WATER PIPE
- PROPOSED SANITARY PIPE
- PROPOSED STORM PIPE
- C2 — PIPE CROSSING
- RWL — RAIN WATER LEADER
- 6:12 — SLOPE ROOF DOWN IN DIRECTION INDICATED

STORM AND SANITARY SEWERS

1. SANITARY AND STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS AND SPECIFICATION AND OPSS 407 AND 410.
2. SEWER BEDDING AS PER CITY STANDARD S6 & S7.
3. ALL SANITARY SEWERS ARE TO BE SIZES INDICATED AND THE MATERIAL SHALL BE PVC SDR35.
4. ALL STORM SEWERS ARE TO BE SIZES INDICATED AND THE MATERIAL SHALL BE PVC SDR35 OR REINFORCED CONCRETE IN ACCORDANCE WITH CSA STANDARDS A257.2 AND A257.3 (JOINTS).
5. ALL MANHOLES , CATCHBASINS AND CATCHBASIN MANHOLES TO BE BACKFILLED WITH MIN. 0.3m HORIZONTAL THICKNESS GRANULAR 'A'.
6. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN TO WITHIN 1.0m OF BUILDING WALLS AND PROVIDE TEMPORARY CAPS.
7. THE CONTRACTOR SHALL CONDUCT INFILTRATION/EXFILTRATION (AS PER CURRENT OPSS) TESTING ON ALL NEWLY INSTALLED SANITARY SEWERS. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWER INSTALLATION AND SUPERVISED BY THE ENGINEER.
8. THE CONTRACTOR SHALL CONDUCT CCTV INSPECTION OF ALL NEWLY INSTALLED STORM AND SANITARY SEWERS AND EXISTING SEWERS CONNECTED TO. THE TEST SHALL BE PERFORMED IMMEDIATELY AFTER SEWERS INSTALLED AND SUPERVISED BY THE ENGINEER.
9. ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.
10. ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES INSTALLED PER CITY OF OTTAWA STANDARD DRAWING S14.1
11. MINIMUM SOIL COVER TO BE 2.0m TO PROTECT SEWERS FROM FROST DAMAGE. IN AREAS WHERE ADEQUATE COVER CANNOT BE ACHIEVED, THERMAL INSULATION TO BE INSTALLED AS PER OPSD 514.010.
12. THE PROPER BENCHING IS TO BE PROVIDED IN ALL MANHOLES AS PER SDG 6.2.12

WATERMAIN

1. ALL WATERMAIN AND WATER SERVICE MATERIALS AND INSTALLATION SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS AND SPECIFICATIONS.
2. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m. THERMAL INSULATION SHALL BE INSTALLED WHERE ADEQUATE SEPARATION CANNOT ACHIEVED AS PER CITY STANDARD W21, W22 AND W23.
3. ALL WATERMAIN WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. WATERMAIN CONNECTIONS BY CITY OF OTTAWA FORCES WITH ALL EXCAVATION BACKFILL AND ROAD REINSTATEMENT BY CONTRACTOR.
4. WATERMAIN IS TO BE PVC DR18 WITH TRACER WIRE AS PER CITY OF OTTAWA STANDARD W36 UNLESS OTHERWISE NOTED.
5. VALVE BOXES AS PER CITY OF OTTAWA DETAIL W24.
6. ALL FIRE HYDRANTS TO BE INSTALLED AS PER CITY STANDARD W19 AND LOCATED AS PER CITY STANDARD W18 AND/OR CITY STANDARD CROSS SECTIONS.
7. WATERMAIN BEDDING IS TO BE AS PER CITY OF OTTAWA DETAIL W17.
8. THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DWGS: W25.3, W25.4, W25.5 AND W25.6.
9. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS PER CITY OF OTTAWA DWGS W389,W40, W41.
10. IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
11. DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
12. WATER SERVICES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W26 AND W35.
13. WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE.
14. INSTALLATION OF WATER METER AND REMOTE RECEPTACLE SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
15. GATE VALVE TO BE INSTALLED INSIDE THE WATER ROOM OF THE EXISTING BUILDING FOR THE PHASE 2 WATER SUPPLY AND SHALL REMAIN CLOSED UNTIL PHASE 2 IS COMMISSION TO ENSURE NO STAGNANT WATER RESIDES WITHIN THE SERVICE STUB.
16. BACKFLOW VALVE TO BE INSTALLED TO PREVENT CROSS-CONNECTION BETWEEN WELL AND MUNICIPAL WATER SUPPLIES.

no.	revisions	date	init.
2	ISSUED FOR APPROVAL	04/11/2023	YA
1	ISSUED FOR APPROVAL	12/13/2022	YA
0	ISSUED FOR APPROVAL	02/14/2022	YA

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cad file 20037_SP3
date plotted 4/11/2023 plot scale 1:1

LICENSED PROFESSIONAL ENGINEER
Y.AYUB
APR 11,23
PROVINCE OF ONTARIO

drawn CC
designed YA
reviewed YA
date 4/11/2023
scale 1:300

project
CHORAC OTTAWA
2375 ST. LAURENT BLVD
OTTAWA, ON

drawing
SITE SERVICING PLAN

PLAN#18738
007–12–22–0061

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rev. no. 2