

WATERMAIN

- ALL WATERMAIN AND WATER SERVICE MATERIALS AND INSTALLATION SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS AND SPECIFICATIONS.
- ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m. THERMAL INSULATION SHALL BE INSTALLED WHERE ADEQUATE SEPARATION CANNOT BE ACHIEVED AS PER CITY STANDARD W21, W22 AND W23.
- 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.
- WATERMAIN IS TO BE PVC DR18 WITH TRACER WIRE AS PER CITY OF OTTAWA STANDARD W36 UNLESS OTHERWISE NOTED.
- VALVE BOXES AS PER CITY OF OTTAWA DETAIL W24.
- ALL FIRE HYDRANTS TO BE INSTALLED AS PER CITY STANDARD W19 AND LOCATED AS PER CITY STANDARD W18 AND/OR CITY STANDARD

CROSS SECTIONS

- WATERMAIN BEDDING IS TO BE AS PER CITY OF OTTAWA DETAIL W17.
- THRUST BLOCKS AND RESTRAINT AS PER CITY OF OTTAWA DWGS: W25.3, W25.4, W25.5 AND W25.6.
- CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS PER CITY OF OTTAWA DWGS W389, W40, W41.
- IF WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
- DISINFECTION AND TESTING OF WATERMAIN TO BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
- WATER SERVICES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W26 AND W35.
- WITHIN THE FROST ZONE, THE BACKFILL IN THE SERVICE TRENCHES SHOULD MATCH THE SOIL ON SIDES TO MINIMIZE DIFFERENTIAL FROST HEAVING IN THE SUBGRADE.

STORM AND SANITARY SEWERS

- SANITARY AND STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS AND SPECIFICATION AND OPSS 407 AND 410.
- SEWER BEDDING AS PER CITY STANDARD S6 & S7.
- ALL SANITARY SEWERS ARE TO BE SIZES INDICATED AND THE MATERIAL SHALL BE PVC SDR35.
- 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).
- ALL MANHOLES, CATCHBASINS AND CATCHBASIN MANHOLES TO BE BACKFILLED WITH MIN. 0.3m HORIZONTAL THICKNESS GRANULAR 'A'.
- INSTALLATION OF WATER METER AND REMOTE RECEIPTABLE SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS.
- 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.
- BACKFLOW VALVE TO BE INSTALLED TO PREVENT CROSS-CONNECTION BETWEEN WELL AND MUNICIPAL WATER SUPPLIES.

STORM AND SANITARY SEWERS

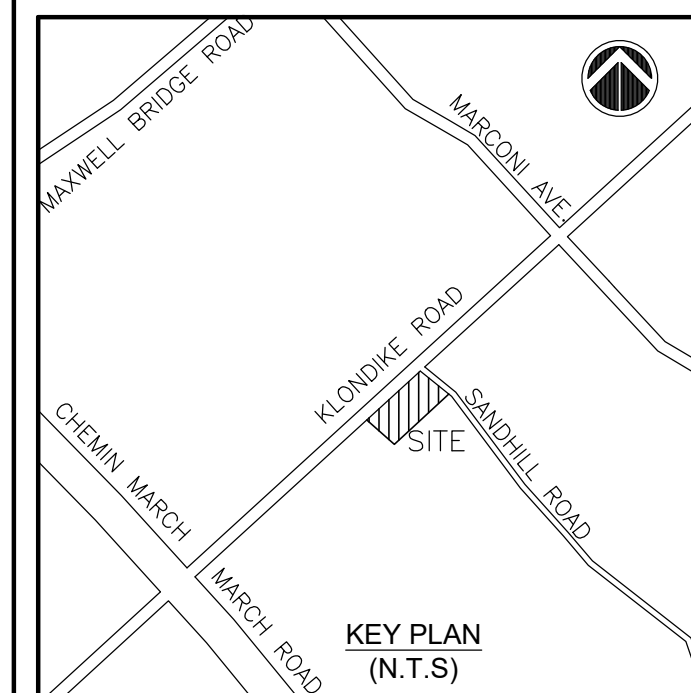
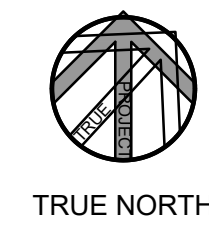
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- ALL MANHOLES, CATCHBASINS AND CATCHBASIN MANHOLES TO BE BACKFILLED WITH MIN. 0.3m HORIZONTAL THICKNESS GRANULAR 'A'.
- SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN TO WITHIN 1.0m OF BUILDING WALLS AND PROVIDE TEMPORARY CAPS.
- THE CONTRACTOR 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.
- 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.
- ALL SERVICE CONNECTIONS TO BE CONSTRUCTED AS PER CITY STANDARD S11 & S11.1.

ALL SANITARY BUILDING DRAINS TO BE EQUIPPED WITH SANITARY BACKWATER VALVES INSTALLED PER CITY OF OTTAWA STANDARD DRAWING S14.1

- 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 OPSS 514.010.

SERVICE CROSSING TABLE			
CROSSING NO.	SERVICES	INVERT/OBVERT	CLEARANCE (m)
C1	PROP 200mmØ SANITARY	70.64 (OBV)	0.27
	Ex 675mmØ STORM	70.91 (INV)	
C2	Ex 825mmØ STORM	69.71 (OBV)	2.44
	PROP 200mmØ WATERMAIN	72.15 (INV)	
C3	Ex 200mmØ SANITARY	67.89 (OBV)	4.20
	PROP 200mmØ WATERMAIN	72.09 (INV)	

NOTE FOR KLONDIKE ROAD SERVICES
 200mm WATERMAIN & 200mm SANITARY UPTO LIMIT OF CONTRACT IS INCLUDED IN PROPOSED CONSTRUCTION UNDER THIS PROJECT. CONTINUATION OF WATER, SANITARY AND INSTALLATION OF OTHER SERVICES ARE BY NOVATECH, PROJECT NO. 117034-0 IN FUTURE.



DRAWING REFERENCES
 1. THE SITE PLAN MUST BE READ IN CONJUNCTION WITH ARCHITECTURAL, LANDSCAPING, ELECTRICAL & STRUCTURAL PLANS.
 2. FOR GRADING PLAN, REFER DRAWINGS C102
 3. FOR EROSION CONTROL, CITY STANDARD NOTES & DETAILS REFER DRAWING C103.

LEGAL DESCRIPTION:
 PLAN OF SURVEY & TOPOGRAPHIC INFORMATION PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEK LTD. (OLS), IDENTIFIED AS PART OF LOT 10, CONCESSION 4 GEOGRAPHIC TOWNSHIP OF MARCH CITY OF OTTAWA

BEARING NOTE:
 BEARINGS ARE GRID, DERIVED FROM CAN-NET 2016 REL TIME NETWORK GPS OBSERVATIONS. MTM ZONE 9 (76° 30' WEST LONGITUDE) NAD-83 (ORIGINAL).

LEGEND

- PROPOSED STORM MANHOLE
- PROPOSED SANITARY MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED FIRE HYDRANT
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING VALVE CHAMBER (WATERMAIN)
- EXISTING FIRE HYDRANT
- EXISTING WATER MAIN
- EXISTING SANITARY
- EXISTING STORM
- VALVE & BOX
- ROOF DRAIN

REVISION		
No.	DESCRIPTION	DATE
1	ISSUED FOR SPA	MAY 19, 21

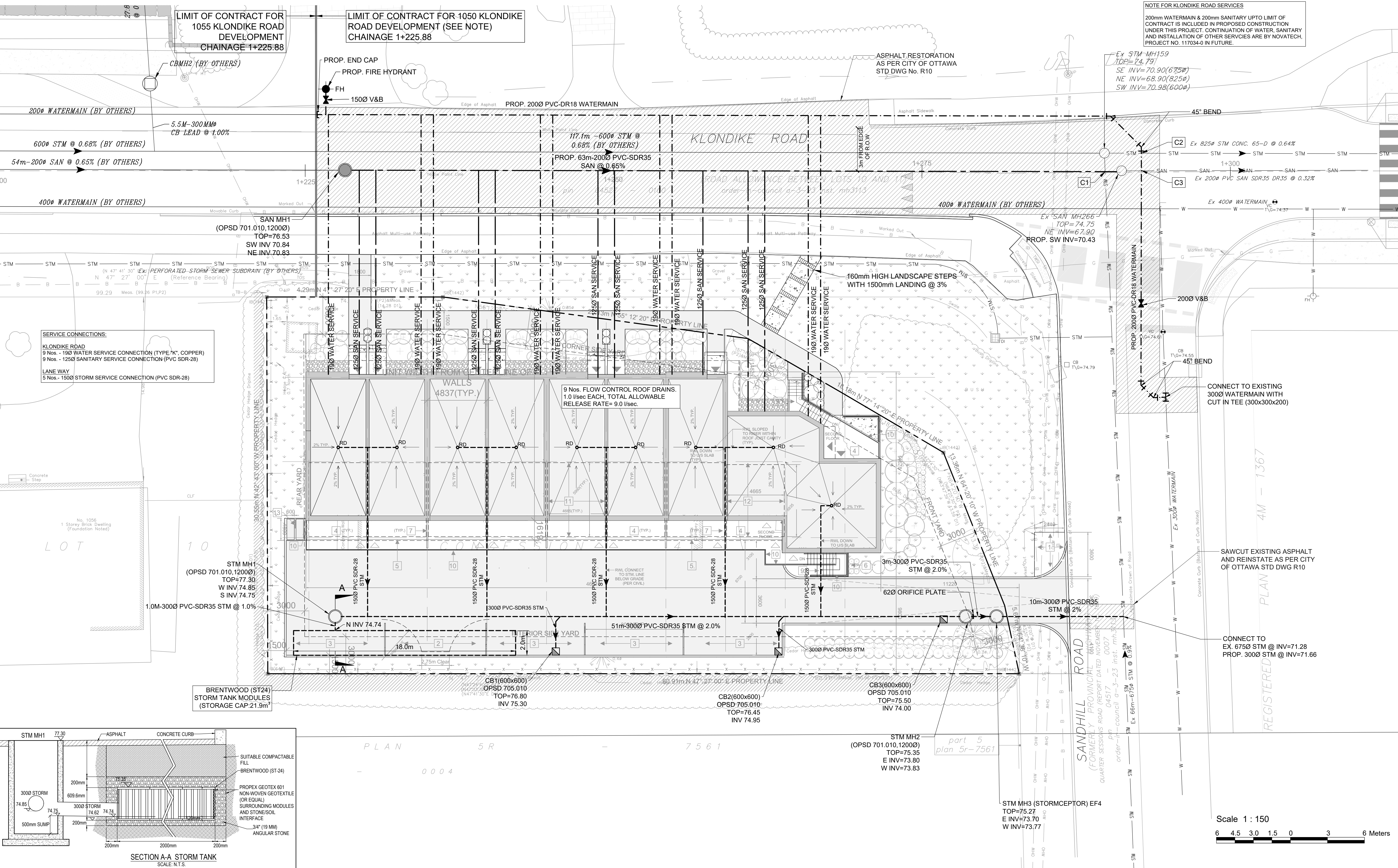
JAIN
 Jain Infrastructure Consultants Ltd.
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 MISSISSAUGA, ON L5N 6P8
 TEL: (905) 285-9900, FAX: (905) 567-5246
 Email: yayub@jainconsultants.com

PROJECT
 1050 KLONDIKE ROAD
 OTTAWA, ONTARIO, K2K 1X7

DRAWING TITLE
 SITE SERVICING PLAN

SCALE: 1:150
 DATE: May 20, 2021
 DRAWN BY: CC
 CHECKED BY: YA

DWG No. **C101**



SERVICE CONNECTIONS:
 KLONDIKE ROAD
 9 Nos. - 190 WATER SERVICE CONNECTION (TYPE 'K', COPPER)
 9 Nos. - 125Ø SANITARY SERVICE CONNECTION (PVC SDR-28)
 LANE WAY
 5 Nos. - 150Ø STORM SERVICE CONNECTION (PVC SDR-28)

LOT 10
 No. 1056
 1 Storey Brick Dwelling
 (Foundation Noted)

