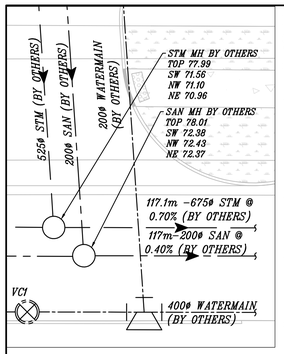


SECTION A-A STORM TANK
SCALE: N.T.S.

SERVICE CONNECTIONS:

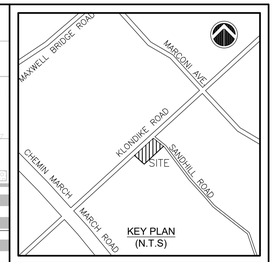
KLONDIKE ROAD
9 Nos. - 19Ø WATER SERVICE CONNECTION (TYPE "K", COPPER)
9 Nos. - 125Ø SANITARY SERVICE CONNECTION (PVC SDR-28)

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.

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.



KEY PLAN
(N.T.S)

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

LEGAL DESCRIPTION:
PLAN OF SURVEY & TOPOGRAPHIC INFORMATION PREPARED BY ANNIS, O'SULLIVAN, VOLLEBEKK 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
- FH — PROPOSED FIRE HYDRANT
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- VC — EXISTING VALVE CHAMBER (WATERMAIN)
- FH — EXISTING FIRE HYDRANT
- W — EXISTING WATER MAIN
- SAN — EXISTING SANITARY
- STM — EXISTING STORM
- CURB STOP
- RD — ROOF DRAIN
- TOF — TOP OF FOUNDATION ELEVATION
- USF — UNDERSIDE OF FOOTING ELEVATION
- FFE — FINISHED FLOOR ELEVATION

No.	REVISION	DATE
4	ISSUED FOR SPA	NOV 22,22
3	ISSUED FOR SPA	JUN 27,22
2	ISSUED FOR SPA	NOV 25,21
1	ISSUED FOR SPA	MAY 19,21

LICENCED PROFESSIONAL ENGINEER — Y.AYUB — 10007645 — NOV 22,22 — PROVINCE OF ONTARIO — 20~525

JAIN
Jain Infrastructure Consultants Ltd.
7405 EAST DANBRO CRESCENT
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:	Nov. 22, 22
DRAWN BY:	CC
CHECKED BY:	YA

DWG No. C101

D07-12-21-0066

#18639