

1 SERVICING PLAN
SCALE= 1:200

SEWER NOTES

- CONSTRUCT SEWERS AND APPURTENANCES AS PER OTTAWA AND MINISTRY OF THE ENVIRONMENT STANDARDS. CONFIRM EXISTING IN ELEVATIONS PRIOR TO CONSTRUCTION. SEWER TRENCH SHALL INCLUDE CLASS B BEDDING AS PER OTTAWA DRAWINGS S6 AND S7. COMPACTION TO BE MINIMUM OF 95% SPAD FOR PIPE AND DRAINAGE STRUCTURE BEDDING. COVER AND BACKFILL.
- STORM SEWERS TO BE PVC DR 35 CERTIFIED TO CAN/CSA B88.2. IN LOCATIONS AND WITH PIPE CLASS AS SHOWN.
- SEWERS AND SERVICES SHALL BE CONSTRUCTED WITH A MINIMUM CLEARANCE OF 2.0m FROM TREES.
- PROVIDE CAMERA INSPECTION OF ALL SEWERS AND STORM WATER TANK FOLLOWING COMPLETION OF CONSTRUCTION AND PROVIDE TO ENGINEER. MAINTAIN SEWERS AND TANK IN CLEAN CONDITION UNTIL OWNER ACCEPTANCE.
- SERVICE LATERALS TO CONNECT ABOVE SPRING LINE OF SEWER MAINS.
- SANITARY MANHOLE TO BE 1200mm DIAMETER AS PER OPSD 701.010 WITH FRAME AND COVER AS PER OTTAWA DRAWINGS S24 AND S25. MANHOLE REQUIRES BENCHING AS PER OPSD 701.021.
- COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE DVE TEST CERTIFIED BY PROFESSIONAL ENGINEER ON BUILDING STORM AND SANITARY SEWER SERVICES.
- TEMPORARY FLOW CONTROLS TO BE PLACED ON SEWER OUTLETS AS PER OTTAWA TECHNICAL BULLETIN ISD 2010-1. FLOW CONTROL REGULATOR PLACEMENT TO BE CERTIFIED BY QUALITY VERIFICATION ENGINEER.

WATER NOTES

- PROVIDE MINIMUM COVER OF 2.4m. PROVIDE MINIMUM 0.5m VERTICAL CLEARANCE BETWEEN SEWERS AND WATER MAINS.
- OBTAIN WATER PERMIT FROM CITY OF OTTAWA. PERMIT COST TO BE PAID UNDER CASH ALLOWANCE. HYDROSTATIC AND BACTERIOLOGICAL TESTING REQUIRED AS PER OTTAWA STANDARDS. ALL MATERIALS EXCAVATION, BACKFILL AND REINSTATEMENT BY CONTRACTOR.
- COMPLY WITH THE FOLLOWING OTTAWA STANDARD DRAWINGS:
W3 - SERVICE LINE 40 & 50 NOMINAL DIAMETER
W5 - SERVICE POST ASSEMBLY FOR SERVICES UP TO 50mm
W6 - TRACER WIRE INSTALLATION
W7 - CATHODIC PROTECTION
W2 - TYPICAL ANODE INSTALLATION
- COORDINATE SUPPLY AND INSTALLATION OF METER AND REMOVE WITH MECHANICAL CONTRACTOR.
- ALL WATER SERVICE AND VALVE MATERIALS TO BE SELECTED FROM APPROVED MATERIALS LIST OF CITY OF OTTAWA. ALL WORK SHALL BE IN COMPLIANCE WITH CITY OF OTTAWA REQUIREMENTS.

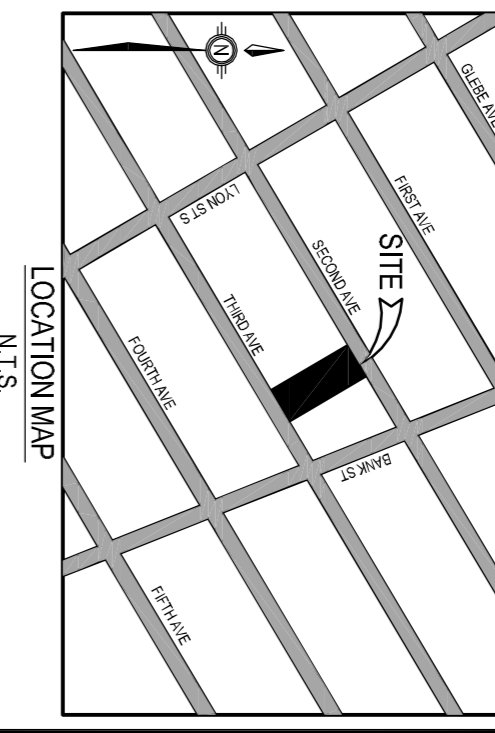
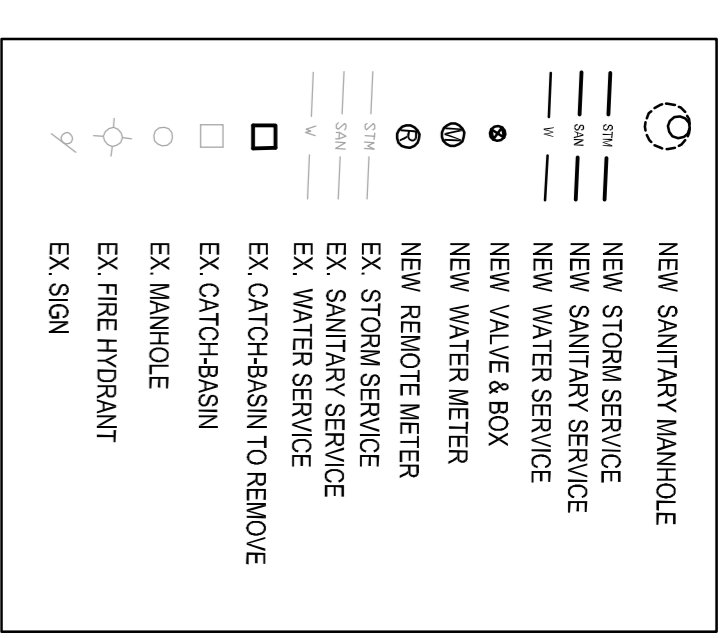
WATER SERVICE PROFILE		
DESCRIPTION	TOP OF WATER SERVICE	GROUND ELEVATION
0.0m TEE AT MAIN	66.82m	68.22m
6.5m VALVE	67.05m	69.45m
7.5m BUILDING FACE	67.07m	69.47m

SERVICING PLAN NOTES

- 50mm DIAMETER TYPE K COPPER WATER SERVICE, WITH 50mm VALVE AND BOX AT PROPERTY LINE. CAP SERVICE AT BUILDING FACE. MECHANICAL CONTRACTOR TO CONNECT AT THIS LOCATION.
- BLANK EXISTING WATER SERVICE AT MAIN.
- 9.5m LONG 150mm DIAMETER PVC DR35 SANITARY SERVICE. SLOPE = 12%. PROVIDE VERTICAL SWEEP BEND AT CONNECTION TO CITY MAIN.
- 120mm DIAMETER SANITARY MANHOLE. TOP OF GRATE 69.39m. SOUTH INVERT 66.75. NORTH INVERT 66.61m.
- 150mm SANITARY SERVICE BELOW EXISTING WATER MAIN. INVERT OF WATER MAIN = 66.61m. ORIENT OF SANITARY SERVICE = 66.00m.
- 2m LONG 150mm DIAMETER PVC SANITARY SERVICE AT 2% MINIMUM SLOPE. PROVIDE TEMPORARY CAP AT SOUTH LIMIT UNTIL PIPE CONNECTION MADE BY MECHANICAL CONTRACTOR. COORDINATE SLOPE AND INVERT WITH MECHANICAL CONTRACTOR.
- 8m LONG 250mm DIAMETER PVC DR35 STORM SERVICE AT 1% SLOPE. MODIFY EXISTING STORM MANHOLE TO ACCEPT NEW 250mm DIAMETER INLET. LOWER 203MM DIAMETER WATER MAIN MINIMUM 0.18m AS PER OTTAWA DRAWING W25.
- NEW 250mm STORM SERVICE OVER EXISTING WATER MAIN. NEW TOP OF WATER MAIN AT 66.60m OR LOWER. INVERT OF STORM SERVICE = 67.15m.
- MANHOLE RISER, FRAME AND COVER FOR STORM TANK ACCESS. TOP OF GRATE 69.22m AT BUILDING EXIT LOCATION. AS NECESSARY, PROVIDE 150mm DIAMETER SERVICE LINE FROM MANHOLE TO STORM TANK. LOCATION AND COVER AT BUILDING EXIT TO BE AS PER OTTAWA DRAWING S19. FRAME AND COVER AT INTERIOR ACCESS LOCATION TO BE AS PER OTTAWA DRAWING S24.1.
- HYDROEXITS VHW-1 FLOW REGULATOR ON OUTLET FROM STORM WATER TANK. FLOW TO BE CONTROLLED TO 14LS HEAD OF 2.02m ABOVE OUTLET PIPE INVERT OF 67.20m. PROVIDE SHOP DRAWING FOR ENGINEERS APPROVAL.

ASPHALT PAVEMENT DESIGN
40mm H1.3 SURFACE COURSE
50mm H2.1 BASE COURSE
150mm GRANULAR B TYPE II, COMPACTED TO 100% SPAD
SUB-GRADE FILL - COMPACT UPPER 300mm TO 98% SPAD
OVER STORM WATER TANK, DELETE GRANULAR B AND INCREASE DEPTH OF GRANULAR A MATERIAL WHILE MAINTAINING ASPHALT LIFTS AS ABOVE

LEGEND



Ottawa
INFRASTRUCTURE SERVICES & COMMUNITY SUSTAINABILITY
SERVICES DIRECTION / DIRECTION DES SERVICES
INFRASTRUCTURE ET DURABILITE DES COLLECTIVITES
DIRECTION DE LA CONSTRUCTION ET DE LA CONSTRUCTION
DIVISION DE LA CONSTRUCTION DES SERVICES MUNICIPALS
DEPUTY CITY MANAGER / DIRECTEUR DES SERVICES MUNICIPALS
MANAGER / GESTIONNAIRE

FOR / POUR
INFRASTRUCTURE SERVICES & COMMUNITY SUSTAINABILITY
INFRASTRUCTURE SERVICES
DESIGN & CONSTRUCTION - BUILDINGS

DATE: 2013/08/13
DRAWN: J.J. J.J.
CHECKED: J.J. J.J.
APPROVED: J.J. J.J.

0 ISSUED FOR SITE PLAN APPLICATION 2013/08/13 BN
1 PRELIMINARY DESIGN 2013/08/13 BN
2 PRELIMINARY DESIGN 2013/08/13 BN
3 PRELIMINARY DESIGN 2013/08/13 BN
4 PRELIMINARY DESIGN 2013/08/13 BN
5 PRELIMINARY DESIGN 2013/08/13 BN

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PROJECT NO.: 12513-1

GENIVAR
2500 SHEPPARD AVENUE EAST, SUITE 200
SCARBOROUGH, ONTARIO M1S 4T8
TEL: (416) 291-2200
WWW.GENIVAR.COM

CONSULTANT / CONSULTANT
ENGINEERING AND DESIGN SERVICES
CONSULTANT / CONSULTANT
ENGINEERING AND DESIGN SERVICES

PROJECT / LOCATION / PROJET / ENDROIT
170 SECOND AVENUE
OTTAWA, ONTARIO

DRAWING / DESIGN
SERVICING PLAN

BUSINESS ENTRY / NUMERO DE SERVICE
2 BEECHOLIFFE ST.
PROJECT NO. / NUMERO DE PROJET
12513-1

SHEET NO. / FEUILLE NO.
C2