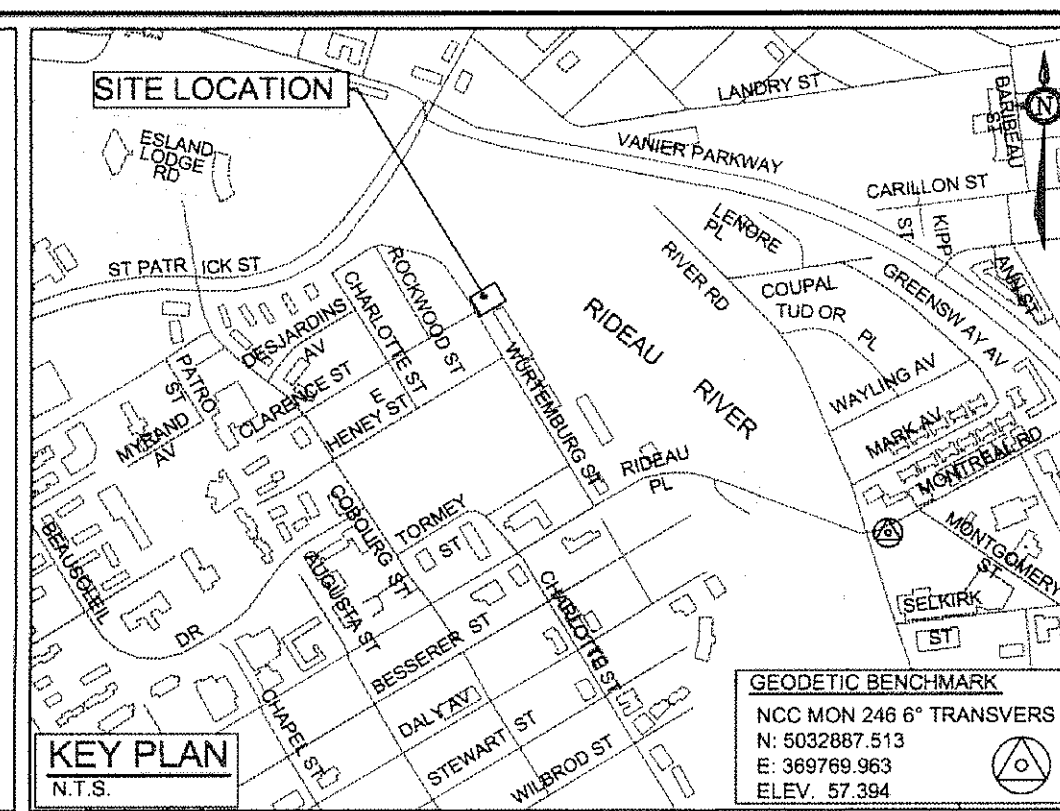


LEGEND

- COMH EXISTING COMBINED MANHOLE
MH 5 EXISTING SANITARY MANHOLE
MH 5T EXISTING STORM MANHOLE
CB EXISTING CATCH BASIN
FH EXISTING FIRE HYDRANT
VC EXISTING VALVE CHAMBER
EXISTING BELL PEDESTAL
EXISTING HYDRO TRANSFORMER
EXISTING HYDRO MANHOLE
EXISTING TRAFFIC MANHOLE
EXISTING UTILITY POLE
EXISTING GAS METRE
EXISTING TRAFFIC LIGHT
EXISTING LAMP STANDARD
EXISTING GAS LINE
EXISTING TRAFFIC SIGNAL
EXISTING FIBER OPTIC LINE
EXISTING STORM SEWER
EXISTING SANITARY SEWER
EXISTING BELL LINE
EXISTING HYDRO LINE
PROPOSED SANITARY MANHOLE
PROPOSED STORM MANHOLE
PROPOSED CATCH BASIN
DIRECTION OF FLOW
PROPOSED VALVE & VALVE BOX
PROPOSED BELL PEDESTAL
PROPOSED CABLE PEDESTAL
PROPOSED CATCH BASIN/MANHOLE
PROPOSED VALVE LOCATION
PROPOSED DEPRESSED CURB
PROPOSED BARRIER CURB
IRON BAR @ PROPERTY LINE
LEGAL ADJACENT
PROPOSED CABLE SEWER
PROPOSED STORM SEWER
PROPOSED SANITARY SEWER
ABANDONED
REMOVAL
ADJUSTED
PROPOSED SOFT LANDSCAPING
PROPOSED GAS METER
PROPOSED PODIUM DRAIN
PROPOSED SIAMESE CONNECTION
PROPOSED REMOTE WATER METER
PROPOSED WATER METER
INTERNAL MONITORING TEST PORTS

WATERMAIN TABLE
STATION SURFACE TOP OF WM ELEVATION DESCRIPTION
0+00.0 67.90 65.50\* CONNECT TO EXISTING
0+01.5 67.86 65.46 CURB FACE
0+02.4 68.01 65.61 HYDRO DUCT
0+03.9 68.06 65.66 WM BEND 45°
0+05.6 68.06 65.66 WM BEND 45°
0+07.0 68.08 65.68 STANDPOST R
0+07.0 68.08 65.68 RISE FACE
0+07.0 68.08 65.68

ROOF DRAIN TABLE
AREA ID ZURN SPECIFICATION NOTCHES ZURN ROOF DRAIN CONTROL PARAMETERS
R-01 ZCF121-WX3-2-105-10-77 1 HEAD(mm) Q(m) HEAD(mm) Q(m)
R-02 ZCF121-WX2-2-105-10-77 1 0.112 0.83 0.143 1.07
R-03 ZCF121-WX4-2-105-10-77 1 0.115 1.29 0.148 1.68
R-04 ZCF121-WX4-2-105-10-77 1 0.039 0.14 0.081 0.29
TOTAL 2.47 3.25



GENERAL NOTES:

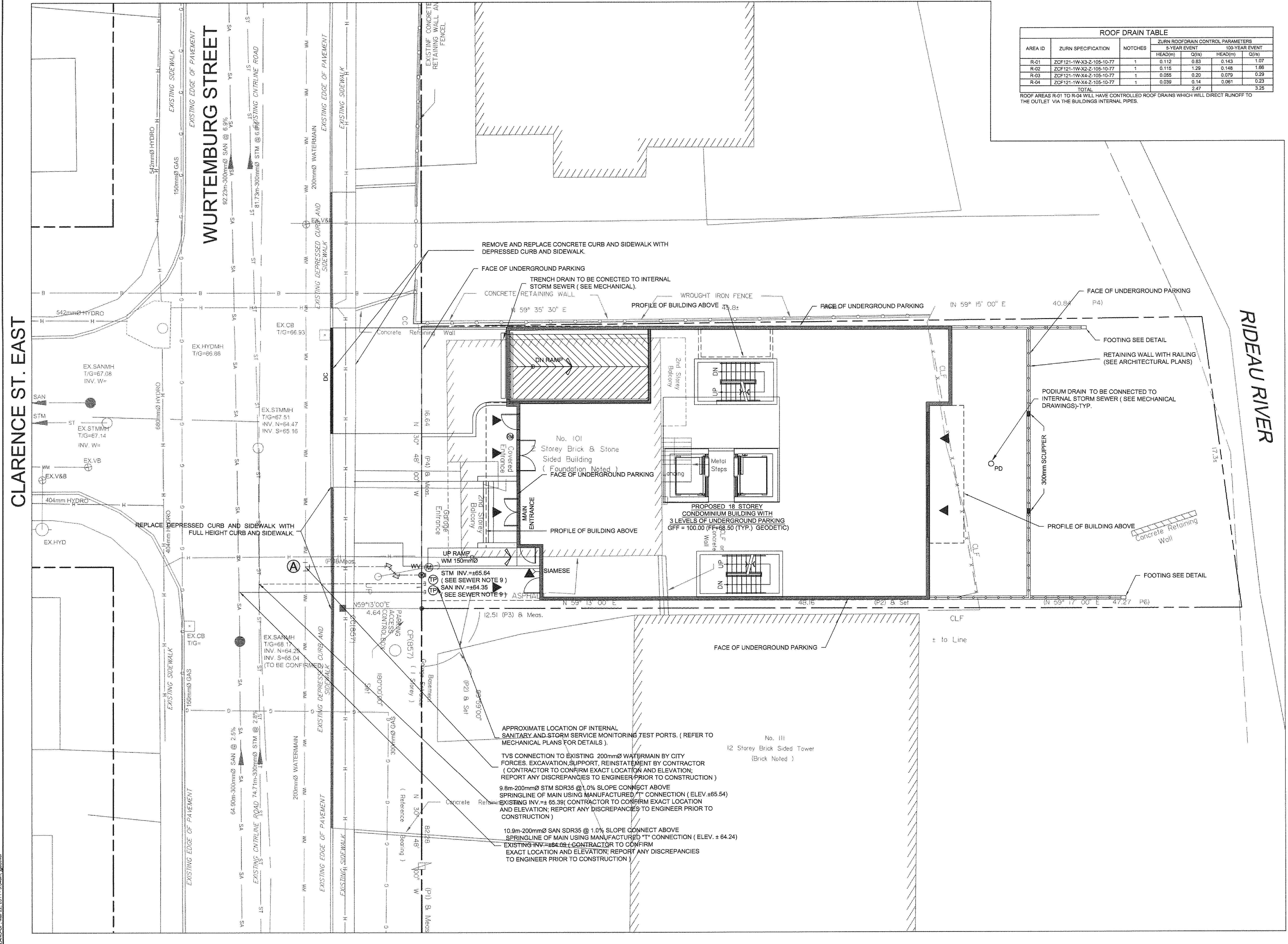
- 1) COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
2) DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION...
3) OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
4) BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL, LIABILITY INSURANCE FOR \$2,000,000.00...
5) RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD...
6) REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER...
7) ALL ELEVATIONS ARE GEODETIC.
8) REFER TO ARCHITECTS AND LANDSCAPE ARCHITECTS DRAWINGS FOR BUILDING AND HARDSURFACE AREAS AND DIMENSIONS.
9) REFER TO STORMWATER MANAGEMENT REPORT (R-2011-034) PREPARED BY NOVATECH ENGINEERING CONSULTANTS LTD.
10) SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT IN THE POINTS AS PER CITY OF OTTAWA STANDARDS (R10).
11) PROVIDE LINE/PARKING PAINTING.
12) CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL SERVICES AS BUILT INFORMATION ON THIS PLAN...
13) REFER TO GEOTECHNICAL REPORT (No. P03003) DATED Dec. xx, 2011, PREPARED BY PATERSON GROUP FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS...
14) ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARDS...
15) ALL PRIVATE APPROACHES MUST BE CONSTRUCTED AS PER CITY SPECIFICATION SC13.

SEWER NOTES:

- 1) SPECIFICATIONS:
ITEM SPEC. No. REFERENCE
CATCH BASIN (600x600mm) 705 D10 OPSD
STORM/SANITARY MANHOLE (1200B) 701 D10 OPSD
CB FRAME & COVER 400 D20 OPSD
STORM/SANITARY MH FRAME & COVER 401 D10 OPSD
SEWER TRENCH - BEDDING (GRANULAR A) COVER (GRANULAR A OR GRANULAR B TYPE I, WITH MAXIMUM PARTICLE SIZE=25mm) OPSD
STORM SEWER PVC DR 35 OPSD
SANITARY SEWER PVC DR 35 OPSD
CATCH BASIN LEAD OPSD
2) INSULATE ALL PIPES (SANITARY) THAT HAVE LESS THAN 1.5m COVER WITH 50mmX1200mm H-40 INSULATION...
3) SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM FACE OF BUILDING AT A MINIMUM SLOPE OF 1.0%.
4) PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY...
5) FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES...
6) THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS...
7) STORM MANHOLES AND CATCH BASINS ARE TO HAVE 300mm SLUMPS UNLESS OTHERWISE INDICATED.
8) CONTRACTOR TO TELETYPE (CCTV) ALL PROPOSED SEWERS.
9) FLEXIBLE PORT BACKWATER VALVES ARE REQUIRED ON THE SANITARY SERVICES...
10) REINSTATE ALL EXISTING PAVEMENT CURBS AND BOULEVARDS.
11) ALL EXISTING SANITARY AND STORM SERVICES TO BE CAPPED AT THE PROPERTY LINE TO THE SATISFACTION OF THE CITY OF OTTAWA.

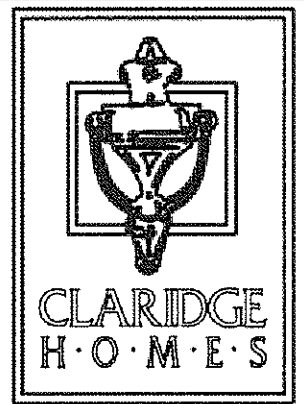
WATERMAIN NOTES:

- 1) SPECIFICATIONS:
ITEM SPEC. No. REFERENCE
WATERMAIN TRENCHING W17 CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES W22 CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWER W25 CITY OF OTTAWA
WATERMAIN (150mm) PVC DR 15 TYPE K COPPER
WATERMAIN (50mm) PVC DR 15 TYPE K COPPER
THERMAL INSULATED AT OPEN STRUCTURE W23 CITY OF OTTAWA
150mm WATER SERVICE CONNECTIONS W28 CITY OF OTTAWA
50mm WATER SERVICE CONNECTIONS W33 CITY OF OTTAWA
WATER SERVICE INSTALLATION AT SEWER CROSSING W38 CITY OF OTTAWA
2) SUPPLY AND CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARD AND SPECIFICATIONS...
3) WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED...
4) PROVIDE MINIMUM 0.25m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.
5) WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.
6) WATER DEMAND = TBD
7) ALL EXISTING WATER SERVICES TO BE BLANKED AT MAIN.



NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS...

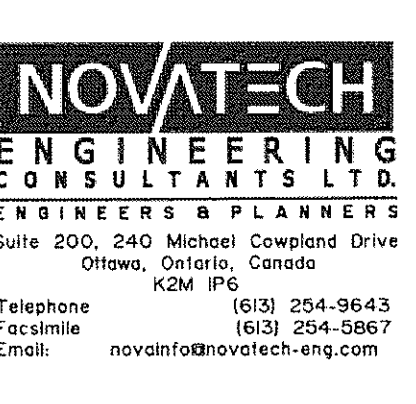
CLARIDGE HOMES
CLARIDGE HOMES SUITE 200, 210 GLADSTONE AVENUE, OTTAWA, ONTARIO K2P 0Y6.



NOTE: CONTRACTOR TO CONFIRM ELEVATIONS OF INFRASTRUCTURE IN THE STREET PRIOR TO EXTENDING SERVICES INTO THE SITE AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.

Table with columns: No., REVISION, DATE, BY. Includes revision 01 ISSUED WITH SITE PLAN APPLICATION.

SCALE 1:100, DESIGN JAG, CHECKED GJM, DRAWN MAY, CHECKED JAG, APPROVED GJM. FOR REVIEW ONLY stamp.



LOCATION: CITY OF OTTAWA, 101 WURTEMBERG STREET. DRAWING NAME: GENERAL PLAN AND SERVICES. PROJECT No: 111013-00. REV: 01. DRAWING No: 111013-GP.