POSITION OF ALL POLE LINES, CONDUITS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES STRUCTURES IS NOT NECESSARILY SHOWN ON THESE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, RMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR AGE TO THEM. QUALITY UNIT 1

HYDRO INTERNATIONAL FD-4HC
WATER QUALITY UNIT OR EQUIVALENT
TOP 83.75
INLET AND OUTLET INVERTS 81.00
SEE REPORT FOR TSS REMOVAL EFFICIE 83.62 83.71 DC DC 83.70TC \otimes_{\sim} MH-ST T/G=83.79 PVC DR35 STORM @ 1.0 % DIRECTION OF FLOW UTILITY POLE STORM SEWER GAS MAIN BELL CABLE LIGHT DUTY ASPHALT OVERHEAD UTILITIES WATER LINE DEPRESSED CURB TOP OF CURB XISTING ELEVATION NEW HYDRANT C/W VALVE
49 m-150mm PVC DR18 HYDRANT LEAD
HYDRANT TO BE TESTED FOLLOWING
INSTALLATION, AND COLOUR CODED AVY DUTY ASF OPERTY LINE WATER SERVICE TO CROSS ABOVE SAN AND STM MAINS (MIN. SEPARATION 0.25 m) 73.24 STM MAIN NV. 80.89 STAN MAIN NV. 79.94 ... 084.750 FIRE ROUTE NEW SANITARY AND STORM MANHOLES AND CBMH'S TO BE 1200 mm@ AS PER OF SANITARY MANHOLE BENCHING AS PER OPSD 701.021

SANITARY MANHOLE COVER AS PER CITY STANDARD DRAWING S24 (WATER TIGHT) NEW CATCH BASINS ARE STANDARD SIZE 600 mm x 600 mm AS PER OPSD 705. CBMH COVER AS PER CITY STANDARD DRAWING S19

CATCH BASIN COVER AS PER CITY STANDARD DRAWING S19.1

STORM MANHOLES AND CBMH'S TO BE CONSTRUCTED WITH 300 mm SUMPS, CB'S WITH 600 mm SUMPS

BARRIER AND DEPRESSED CURB AS PER STANDARD DRAWING SC1.1

BARRIER CURB WITH SIDEWALK AS PER STANDARD DRAWING SC1.1

PROVIDE 600 mm GRANUAR BASE FOR THE SIDEWALK ADJACENT TO BUILDING NEW SEWERS TO BE INSPECTED USING CCTV AS REQUIRED BY THE CITY LEAKAGE TEST IS REQUIRED ON THE SANITARY SERVICE AS PER CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION RESTORE PAVEMENT STRUCTURE, CURBS AND SURFACES ON EXISTING ROADS TO THEIR ORIGINAL CONDITIONS STANDARD ROAD CUT REINSTATEMENT AS PER Std. Dwg. CONTRACTOR IS TO COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON MUNICIPAL ROAD. WATER SERVICE DISINFECTION AND INSPECTION BY CITY FORCES, ALL DEFLECTIONS AS PER MANUFACTURER'S SPECICIFICATIONS MINIMUM COVER TO BE 2.4 m (IF NOT ACHIEVED, PROVIDE THERMAL INSULATION AS PER CITY STANDARDS)

FIRE HYDRANT LOCATION AND INSTALLATION AS PER Std. Dwgs W18 AND W19 THIS PLAN SHOULD BE READ IN CONJUCTION WITH THE SITE SERVICING AND SY CAPITAL ENGINEERING GROUP LTD. AND THE GEOTECHNICAL REPORT BY PA ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA AND / OR ONTARIO PROVINCIAL STANDARDS (OPS) THE WATER, SANITARY AND STORM SERVICES
THE WATER, SANITARY AND STORM SERVICES
FERMAIN CONNECTION, WATER METER
OF REMOTE RECEPTACLE BY CITY FORCES.
AVATION AND REINSTATEMENT BY CONTRACTOR 5 ESARCHITECT'S PLANS FOR IMENSIONS AND SITE LAYOUT, AND LAYOUT INFORMATION SHALL MED PRIOR TO COMMENCEMENT OF ION. HANDICAP RAMP. REFER TO SITE PLAN FOR DETAILS N 33° 07' 10" E NOTIFY HYDRO OTTAWA WHEN WORKING IN THE VICINITY OF INSTALL 150 mmø PERFORATED CORRUGATED PLASTIC SUBI SURRONDED ON ALL SIDES BY 150 mm OF 10 mm CLEAR I INSTALL A BACKFLOW VALVE AND CONNECT TO STORM OUT CCTV OF EXISTING MUNICIPAL SEWERS ARE REQUIRED BEFC sr — sr — sr sr sr sr Existing 675mmø Conc. Storm sr sr sr Existing 250mmø PVC Santary @ 9.4 % Sxisting 305mmø DI Watermain w — " * STK GE=82.85O INSTALL FLOW CONTROL WEIRS ON THE ROOF DRAIN OUTFLOW RATE IS 1.9 L/S PER DRAIN (11.4 L/S TO DRAINS TO BE WATTS RD 100 WITH ADJUSTABLE FLOW WEIRS (FULLY OPEN) INSTALL OVERFLOW SCUPPERS IN ACCORDANCE WITH THE BUILDING CODE GFA GROUND FLOOR ELEVATION 83.90 USF ELEVATIONS VARY CH. AND STRUCT. DWGS. FOR DET Top of Slope 899 AGES ROAD PROPOSED INDUSTRIAL BUILIDING DR35 STORM @ 1.0 % × | | C/L of Ditch 4428. DR_**L\$**⊗ ×83.33 (Refer \geq EX. CB AND LEAD TO BE R z 9 | STM | WAIN INV. 80 33 | SAN MAIN INV. 79.60 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN INV. 79.00 | S - S | SAN MAIN **↑** 0/H DOOR 22 m - 200mm PVC DR18 WATER SERVICE 16 m - 150 mm PVC DR28 SANITARY @ 3.0 16 m - 250 mmø PVC DR35 STM @ 1.0 % A WATER PRESSURE CHECK SHOULD BE CARRIED OUT AT THE COMPLETION OF CONSTRUCTION TO DETERMINE IF PRESSURE REDUCING VALVES ARE REQU NEW STMH1 TOP 83.55 INV.S 80.49 INV.E 80.54 INV.W 81.09 n — 250 mmø PVC DR35 STM @ 1.0 % O/H DOCH WATER SERVICE ELEV. (TOP) M VALVE & BOX 225.77 NEW SAMH2 TOP 83.10 INV. 81.20 16 m 13 m DRAINS TO BE WATTS RD ...
ADJUSTABLE FLOW WEIRS ()
INSTALL OVERFLOW SCUPP
IN ACCORDANCE WITH THE 150 mmø PE DED ON ALL S A BACKFLOW 903 AGES ROAD
PROPOSED INDUSTRIAL
BUILDING WEIRS ON S PER DR) 100 WITH (FULLY C PIPE

WEST ENTRANCE

250 mmø SAN

675 mmø STM

150 mmø HYD LEA

EAST ENTRANCE

250 mmø SAN

675 mmø STM ED PLASTIC SUBDRAINS AT THE 10 mm CLEAR CRUSHED STON TO STORM OUTLET 265. n (47672.2sf) handicap ramp. refer site plan for details вох NEW HYDRANT C/W VALVE
55 m-150mm PVC DR18 HYDRANT LEAD
HYDRANT TO BE TESTED FOLLOWING
INSTALLATION, AND COLOUR CODED WATER SERVICE ELEV. (TOP) 77/6: NEW CBMH5
TOP 82.60
INV. N 80.40
INV. S 80.38
H 4X4 m LONG SUBE
ALL A IPEX ICD IN C
IMUM OUTFLOW RATE
RAULIC HEAD 2.05 r 7 CB5 82.55 80.75 4 m LO 80.29 EFFICIEN Not for construction SEALED and SIGNED. PART OF LOT 2
CONCESSION 5 (RIDEAU FRONT)
GEOGRAPHIC TOWNSHIP OF GLOUCESTER
CITY OF OTTAWA Servicing Municipal Capital Gro APPROVED

By Don Herweyer AMINE NAOUM AGES I & RICHARDS ARC MEATH STREET OTTAWA MEATH STREET OTTAWA 26/19 $\frac{1}{0}$ dno Engineer up Ltd \Diamond DRIVE L BUILDING 110 Dossetter Way Ottawa, Ontario K1G 4S5 13)739-0776 F: (613)739-7302 Cegl@rogers.com Plan No.17902 \Box **(1)** ring 08, 2019 pment S TS INC TARIO K1Z 724-1289 LTD. possib