

**TRAFFIC, SAFETY AND MOBILITY:**

THERE SHALL BE NO LANE RESTRICTION FOR STONEWAY DRIVE OR DEERFOX DRIVE IN EITHER THE AM (7:00AM TO 9:00AM) OR PM (3:30PM TO 6:00PM) PEAK PERIOD. THE CONTRACTOR SHALL MAINTAIN ONE LANE (3.5M MINIMUM) AT ALL OTHER TIMES AND SHALL PROVIDE A TRAFFIC CONTROL PERSON AS REQUIRED.

LANE RESTRICTION FOR WOODROFFE AVENUE:

THERE SHALL BE NO LANE REDUCTIONS WEEKDAYS BETWEEN 7:00 AM AND 6:00PM OR WEEKENDS BETWEEN 10:00 AM AND 6:00 PM. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE LANE IN EACH DIRECTION DURING ALL OTHER TIMES.

THE CONTRACTOR SHALL APPLY FOR AN EXEMPTION TO THE CITY NOISE BYLAW AS REQUIRED.

TRAFFIC CONTROL PERSONS SHALL PROVIDE PRIORITY TO TRANSIT VEHICLE WHEN FLAGGING TRAFFIC.

SHOULD IT BE NECESSARY TO CLOSE A BIKE LANE, THE CONTRACTOR SHALL INSTALL A TC-68 "BIKE LANE CLOSED" AT A LOCATION WHERE CYCLISTS CAN SAFELY MERGE WITH TRAFFIC, AND PROVIDE THE FOLLOWING SIGNAGE:

-FOR LANE WIDTHS GREATER THAN 4.3 m: A WC-19 AND WC-19S "CAR AND BIKE SHARE THE ROAD"

-FOR LANE WIDTHS 4.3 m OR LESS: A WC-24 AND WC24T "SHARED USE LANE SINGLE FILE"

THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AND PROVIDE PEDESTRIAN DETOURS IF NECESSARY. IF THE CLOSURE OF A SIDEWALK IS REQUIRED AND PEDESTRIANS MUST BE DETOURED THE CONTRACTOR IS REQUIRED TO PROVIDE TEN (10) BUSINESS DAYS' NOTICE TO ADJACENT HOME/BUSINESS OWNERS AND CONTACT THE LOCAL AREA COUNCILLOR'S OFFICE. ADDITIONAL DETAILS CAN BE FOUND AT OTTAWA.CA/ROADACTIVITY.

CONTRACTOR SHALL ENSURE THAT ALL TRAVEL LANES, INCLUDING BIKE AND PEDESTRIAN FACILITIES, ARE NOT OBSTRUCTED BY SIGNAGE, EQUIPMENT, OR MATERIALS AT ALL TIMES.

CONTRACTOR SHALL ENSURE THAT ALL TURNING MOVEMENTS AT INTERSECTIONS ARE TO BE ACCOMMODATED AT ALL TIMES. THIS INCLUDES ALL PROTECTED AUXILIARY TURN LANES.

CONTRACTOR SHALL ENSURE THAT ALL TRAVEL LANES ARE TO BE AVAILABLE DURING NON-WORK TIMES.

CONTRACTOR SHALL ENSURE THAT LOCAL ACCESS IS ALWAYS MAINTAINED.

IF THE PROPOSED WORK WILL INTERFERE WITH BUS OR PEDESTRIAN ACCESS TO/FROM A TRANSIT STOP, THE CONTRACTOR SHALL CONTACT OC TRANSPRO (ANISE SAMIMI - 613-580-2424 EXT. 52743) AT LEAST 5 WORKING DAYS PRIOR TO STARTING CONSTRUCTION TO ARRANGE FOR THE POTENTIAL TEMPORARY RELOCATION OF THE AFFECTED TRANSIT STOP(S).

CONTRACTOR SHALL BE AWARE THAT POLICE MAY BE REQUIRED TO DIRECT TRAFFIC AT SIGNALIZED INTERSECTIONS WHEN THOSE INTERSECTIONS ARE ADVERSELY AFFECTED BY CONSTRUCTION OPERATIONS. AT A MINIMUM, POLICE ARE REQUIRED IN THE FOLLOWING SCENARIOS IDENTIFIED BELOW. CONTRACTOR IS TO NOTE THAT TRAFFIC CONTROL PLANS ARE A REQUIRED SUBMISSION IN THE REQUEST TO RETAIN OTTAWA POLICE SERVICES PAID DUTY. CONTACT 613-236-1222 EXT 2476 A MINIMUM OF FIVE DAYS PRIOR TO REQUEST ASSISTANCE.

- A. POLICE ARE REQUIRED IF THERE IS A NEED TO DIRECT TRAFFIC WITHIN 30M OF A SIGNALIZED INTERSECTION. TRAFFIC CONTROL PERSONS ARE NOT PERMITTED TO DIRECT TRAFFIC WITHIN 30M OF A SIGNALIZED INTERSECTION.
- B. POLICE ARE REQUIRED IF ANY TRAFFIC SIGNAL DISPLAY IS VISUALLY OBSTRUCTED BY EQUIPMENT OR MATERIALS.
- C. POLICE MAY BE REQUIRED WHERE A LANE RE-ALIGNMENT OR LANE USE REQUIRES TRAFFIC TO TRAVEL CONTRARY TO THE EXISTING PAVEMENT MARKINGS AND/OR SIGNAGE.

IF TRAVEL LANE REDUCTIONS ARE REQUIRED WITHIN 75 m OF A SIGNALIZED INTERSECTION: THE CONTRACTOR SHALL CONTACT THE CITY OF OTTAWA TRAFFIC CONTROL UNIT (613-580-2424 EXT. 23192) AT LEAST FIVE WORKING DAYS PRIOR TO CONSTRUCTION TO DETERMINE AND COORDINATE ANY NECESSARY CHANGES TO THE TRAFFIC SIGNAL OPERATION.

AT ANY TIME DURING THE WORK, THE CITY TRAFFIC MANAGEMENT INSPECTOR, AT THEIR DISCRETION, MAY INSTRUCT THE CONTRACTOR SHALL UNDERTAKE PORTIONS OF THE WORK AFTER 6:30 PM OR ON WEEKENDS. THEY MAY ALSO REQUIRE THE CONTRACTOR TO SUPPLY AND INSTALL ADDITIONAL TRAFFIC CONTROL DEVICES (SIGNS, BARRELS, ETC.) AND/OR RETAIN POINT DUTY POLICE TO CONTROL TRAFFIC. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS. CONTRACTOR SHALL REMOVE ALL ASSOCIATED TRAFFIC CONTROL DEVICES FROM SITE WITHIN 48 HRS OF COMPLETION OF WORKS.

**STREET LIGHTING:**

CONTRACTOR SHALL ENSURE THAT STREETLIGHTS AND STREETLIGHT PLANT MUST BE MAINTAINED AND PROTECTED AT ALL TIMES. PLEASE MAINTAIN A MINIMUM OF 0.6m HORIZONTAL AND 0.3m VERTICAL CLEARANCE FROM EXISTING STREETLIGHT PLANT. REINSTATE AS PER CITY OF OTTAWA STREETLIGHT SPECIFICATIONS.

THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS OF ANY REQUIRED STREETLIGHT PLANT DESIGN ALTERATION AND/OR REPAIRS.

ALTERATIONS AND/OR REPAIRS ARE REQUIRED WHERE THE EXISTING STREET LIGHT PLANT IS DIRECTLY OR INDIRECTLY, ADVERSELY AFFECTED BY THE SCOPE OF WORK UNDER THIS CIRCULATION. ALL STREET LIGHT PLANT ALTERATIONS AND/OR REPAIRS MUST BE PERFORMED BY THE CITY'S STREET LIGHT MAINTENANCE CONTRACTOR.

STREETLIGHTS ON HYDRO POLES MUST BE MAINTAINED AND PROTECTED.

IF CONFLICT ARISES, PLEASE CONTACT JASON HOCKLER, CITY OF OTTAWA 613-857-1094. JASON.HOCKLEY@OTTAWA.CA

**TRAFFIC SIGNAL DESIGN:**

CONTRACTOR SHALL ENSURE THAT ALL UNDERGROUND TRAFFIC PLANT AND TRAFFIC SIGNAL HARDWARE IS MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. A MINIMUM OF 1.0m MUST BE MAINTAINED FROM TRAFFIC PLANT/INTERCONNECT. THE CONTRACTOR IS LIABLE FOR ALL POTENTIAL OUTAGES AND FULLY RESPONSIBLE FOR REINSTATEMENT OF ALL DAMAGES TO EXISTING UNDERGROUNDS, TRAFFIC INFRASTRUCTURE INCLUDING ALL THE COSTS ASSOCIATED WITH IT. CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC INFRASTRUCTURE COMPONENTS ARE TO REMAIN FULLY ACCESSIBLE AND IN FULL VIEW AT ALL TIMES THROUGHOUT THE CONSTRUCTION PROCESS UNLESS OTHERWISE AGREED UPON.

CONTRACTOR IS RESPONSIBLE TO THE TEMPORARY RELOCATION/ REMOVAL OF TRAFFIC SIGNAL INFRASTRUCTURE THAT WILL BE REQUIRED TO ACCOMMODATE THE PROPOSED WORKS. CONTRACTOR IS RESPONSIBLE FOR THE REINSTATEMENT OF ALL AFFECTED TRAFFIC POLES/TRAFFIC SIGNAL PLANT AND MUST MAINTAIN ADEQUATE CLEARANCES TO EXISTING AND PROPOSED SEWER INFRASTRUCTURE. ALL AFFECTED TRAFFIC POLES AND QUADRANTS WILL NEED TO BE REINSTATED TO CONDITIONS THAT ADHERE TO AODA REQUIREMENTS.

**TRANSIT SERVICES:**

CONTRACTOR SHALL ENSURE THAT ACCESS BY BUSES AND PEDESTRIANS TO ALL EXISTING BUS STOPS IN/NEAR THE WORK ZONE IS MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL PROVIDE TRANSIT SERVICES (ANISE SAMIMI AT ANISE.SAMIMI@OTTAWA.CA OR 613-580-2424 EXT. 52743) A MINIMUM OF FIVE (5) WORKING DAYS NOTICE TO COORDINATE TEMPORARY RELOCATION OF BUS STOPS AND A MINIMUM OF TWENTY (20) WORKING DAYS NOTICE TO COORDINATE TEMPORARY SHELTER REMOVALS AS A RESULT OF CONSTRUCTION. ANY SHELTERS THAT NEED TO BE REMOVED FOR A PERIOD LONGER THAN THIRTY (30) CALENDAR DAYS SHALL BE RELOCATED IN A LOCATION APPROVED BY TRANSIT SERVICES AT THE EXPENSE OF THE CONTRACTOR.

CONTRACTOR SHALL ENSURE THAT TEMPORARY BUS STOP CONDITIONS THAT ARE A RESULT OF CONSTRUCTION ARE TO BE FULLY ACCESSIBLE AND TO THE SATISFACTION OF TRANSIT SERVICES. THE CONTRACTOR IS TO FULLY ADDRESS ANY CONCERNS THAT ARE RAISED BY TRANSIT SERVICE WITH REGARDS TO TEMPORARY BUS STOP FACILITIES.

THE CONTRACTOR SHALL REINSTATE ANY BUS STOP FLAG POLES, BUS PADS AND/OR SHELTER PADS TO CITY STANDARD SPECIFICATIONS SHOULD THEY BE DISRUPTED AS A RESULT OF CONSTRUCTION.

SHOULD A DETOUR (TRAFFIC OR PEDESTRIAN) BE REQUIRED, NOTICE MUST BE GIVEN TO TRANSIT SERVICES (CHELSEA WILLIAMS AT CHELSEA.WILLIAMS@OTTAWA.CA OR 613-580-2424 EXT. 52992) A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE OF THE DETOUR START DATE.

**ENBRIDGE:**

CONTRACTOR TO ENSURE THAT MINIMUM HORIZONTAL AND VERTICAL CLEARANCES ARE MET AS REFERENCED IN THE "THIRD PARTY REQUIREMENTS IN THE VICINITY OF NATURAL GAS FACILITIES" DOCUMENT.

IF CLEARANCES CANNOT BE MET THE CONTRACTOR IS TO CONTACT MARK-UPS@ENBRIDGE.COM

A MINIMUM OF 0.15 m OR SAND BACKFILL PADDING IS TO BE PLACED AROUND GAS MAINS AND SERVICES BEFORE BACKFILLING WITH UNSHRINKABLE FILL.

THERE IS AN ABANDON GAS PLANT IN THE VICINITY OF THE PROPOSED WORK. IF THIS GAS PLANT WILL BE EXPOSED OR IS EXPOSED DURING CONSTRUCTION, CONTRACTOR SHALL CONTACT TODD STILES - FIELD SUPERVISOR, OPERATIONS @ 613-748-6835 OR TODD.STILES@ENBRIDGE.COM TO FACILITATE VERIFICATION AND DE-WATERING OPERATIONS OF THE ABANDONED GAS PLANT. ENBRIDGE IS NOT RESPONSIBLE FOR THE REMOVAL OF THE ABANDON GAS PLANT. IT CAN ONLY BE REMOVED AFTER THE OPERATIONS FIELD SUPERVISOR'S APPROVAL.

**HYDRO:**

WHEN WORKING UNDER OR NEAR HYDRO OTTAWA OVERHEAD CONDUCTORS, THE CONSTRUCTION SAFETY ACT REQUIRES A MINIMUM CLEARANCE OF 3m FROM THE NEAREST OVERHEAD CONDUCTOR TO CONSTRUCTION EQUIPMENT/PERSONNEL.

IF THERE IS TO BE ANY EXCAVATION WITHIN 3m OF A HYDRO OTTAWA POLE AND/OR ANCHOR, CONTACT EMMANUEL COFFIE AT 613-738-5498 EXT. 7225 OR AT EMMANUEL.COFFIE@HYDROOTTAWA.COM TO DETERMINE WHETHER TEMPORARY SUPPORT IS REQUIRED AND TO PROVIDE COST ESTIMATES OF SAME.

**ROGERS:**

ROGERS HAS UNDERGROUND & AERIAL FIBRE AND UNDERGROUND & AERIAL COAXIAL PLANT AND STRUCTURES WITHIN THE ROW OF PROPOSED WORK. HYDRO VAC WITHIN 1m AND MAINTAIN A MINIMUM OF 0.3m HORIZONTAL CLEARANCE FROM ROGERS PLANT.

ROGERS' STANDARD DEPTH IN THIS MUNICIPALITY IS 1m.

CONTACT GRAEME JUHASZ AT 613-898-5684 OR GRAEME.JUHASZ@SCI.ROGERS.COM WITH ANY ISSUES OR CONCERNS.

BELL: BELL MAINTAINS BURIED FACILITIES AROUND PROPOSED WORK AREA.

MAINTAIN 0.3m VERTICAL CLEARANCE FROM BELL PLANT.

WITHIN 1m OF BELL HAND DIG.

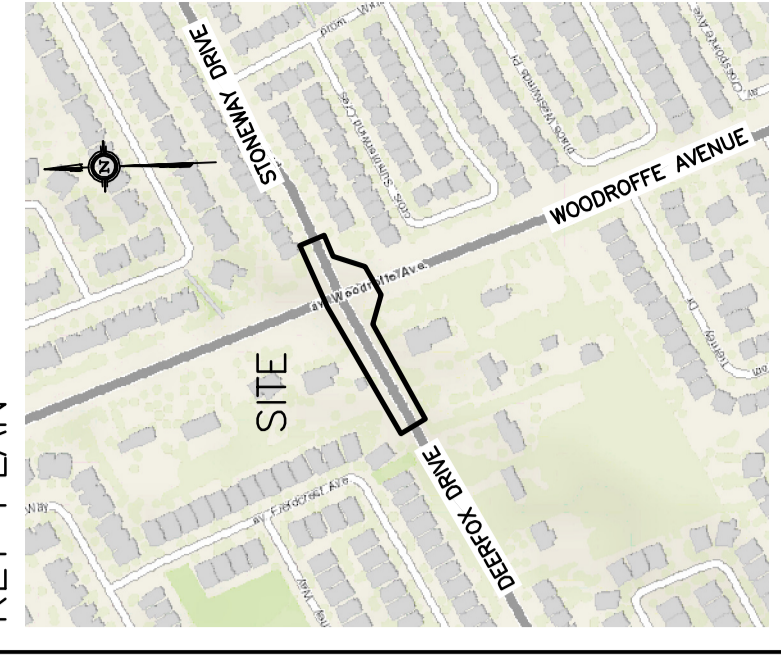
HAND DIG WHEN CROSSING BELL PLANT.

IF THERE ARE ANY CONFLICTS, OR TO OBTAIN ADDITIONAL INFORMATION, PLEASE CONTACT STEPH KONSTANTINAKOS @ 343-552-1470 OR STEPHANE.KONSTANTINA@BELL.CA.

CONTRACTOR IS TO CONTACT THE PERMIT OFFICE AT 613-580-2424 EXT. 16000, TO HAVE THE ROAD CUT PERMIT PREPARED AND CONTRACTOR IS TO PROVIDE A COPY OF THE COMMENCE WORK ORDER.

CB	CATCH-BASIN
MH	STORM MANHOLE
CB/MH	CATCH BASIN/MANHOLE
MH	SANITARY MANHOLE
VC	VALVE CHAMBER
SPL	SPRINGLINE OF PIPE
INV	INVERT OF PIPE
SAN	SANITARY SEWER
ST	STORM SEWER
WS/WV	WATER SERVICE/WATERMAIN
CS	CURB STOP & STANDPOST
VB	VALVE & VALVE BOX
FH	FIRE HYDRANT
4-99.99	EXISTING GRADE ELEVATION
OHW	OVER HEAD WIRE
H	HYDRO
B	BELL TELEPHONE
CAB	CABLE
G	GAS
T	TRAFFIC
...	PROPERTY LINE

**KEY PLAN**



No.	DATE	REVISION
3	FEB 14-23	RE-ISSUED TO CITY FOR APPROVAL
2	JAN 27-23	RE-ISSUED TO CITY FOR APPROVAL
1	DEC 22-22	ISSUED TO CITY FOR APPROVAL

**D. B. GRAY ENGINEERING INC.**  
 Surveyor / Engineer - Consulting / Planning / Storm & Sanitary Sewers / Watermain  
 700 Long Point Circle  
 Ottawa, Ontario  
 613-425-8044  
 dgray@dbgrayengineering.com

**MUNICIPAL SANITARY SEWER EXTENSION CROSSING WOODROFFE AVENUE FROM STONEWAY DRIVE TO DEERFOX DRIVE OTTAWA, ONTARIO**

**NOTES**

Engineer's Seal  
 License Professional Engineer  
 No. 17016502  
 Exp. Date FEB 14-23  
 Province of ONTARIO  
 NOT VALID UNLESS SIGNED & DATED

Drawn: D.B.G.  
 Hour Scale  
 Vert. Scale  
 Date: DEC 22-22  
 Job No.: 20025

Drawing No. **C-8** of **9**  
 #17351

**APPROVED**  
 By: Lily Xu at 1:20 pm, Apr 27, 2023

*(Signature)*  
**LILY XU, MCIP, RPP**  
 MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA