

**GENERAL NOTES AND SPECIFICATIONS**

1. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPSD SUPPLEMENT, ONTARIO PROVINCIAL STANDARDS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.

6. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE AS REQUIRED BY THE MUNICIPALITY. ALL WORK ON THE MUNICIPAL RIGHT OF WAY IS REQUIRED EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING.

4. PAVEMENT REINFORCEMENT FOR SERVICE UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R10, AND OPSD 580.10, AND OPS 310.

5. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC1.1 AND SC1.3 (BARRELL OR MOUNTABLE CURB AS SHOWN ON DRAWINGS).

6. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER CITY STANDARDS SC3 AND SC4.

7. WATER SUPPLY SERVICING

10. THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, AND CONNECT TO EXISTING SERVICES AS PER CITY OF OTTAWA SPECIFICATIONS & SHAL BID, AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL.

11. WATERMAIN PIPE MATERIAL SHALL BE PVC (CL150) DR18, DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED 1/2 OF THAT SPECIFIED BY THE PLAN THAT WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING STORM SEWERS OR DRAINSAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL USE TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W36.

12. WATER SERVICES ARE TO BE TYPE K SOFT CORNER OR REY AS PER CITY OF OTTAWA STANDARD W26 (UNLESS OTHERWISE NOTED). WATER SERVICE TO EXTEND 1.0M BEYOND PROPERTY LINE. STAND POST TO BE INSTALLED ON STORM DRAINAGE PLAN.

7. TOPOGRAPHIC SURVEY SUPPLIED BY ANNS. SULLIVAN VOLLEBEK LTD. PROJECT NO. 4228-24, DATED AUG 7, 2024, TOPOGRAPHIC PLAN OF SURVEY, PART OF LOT 29, CONCESSION 4 (RIDEAU FRONT), GEOGRAPHIC TOWNSHIP OF GLOUCESTER, CITY OF OTTAWA.

14. WATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W24.

15. WATERMAIN TRENCH SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL AS PER SECTION 6.4 OF THE GEOTECH REPORT.

16. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 400mm FROM ANY CATCHBASIN MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. SUBBEDING AND COVER MATERIAL THE BARRIERS SHOULD CONSIST OF 200mm MINIMUM THICKNESS OF 100mm DIA. CEMENT BAGS, 25mm THICK LOOSE LAYERS COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S SPIND. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT THE TRENCHES. NO TRENCHES SHOULD BE DUG IN THE SERVICE TRENCHES. FOR DETAILS REFER TO GEOTECHNICAL INVESTIGATION.

17. CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.

18. THRUST BLOCKS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25.3 AND W25.4.

19. WATERMAIN TO HAVE MIN. 2.4m COVER, WHERE WATERMAIN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W22.

20. WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W26 AND W25.2.

21. PRESSURE REDUCING VALVES (PRVs) IF REQUIRED, TO BE INSTALLED AS PER ONTARIO PLUMBING CODE.

15. ANY SEWER ABANDONMENT TO BE CONDUCTED ACCORDING TO CITY OF OTTAWA STANDARDS S14.

16. STORM SEWERS WITH LESS THAN 2.0m COVER AND SANITARY SEWERS WITH LESS THAN 2.5m COVER TO BE INSULATED IN ACCORDANCE WITH CITY STANDARD S3.

1. ALL TOPSOIL AND ORGANIC MATERIAL TO BE STRIPPED FROM WITHIN THE FULL RIGHT OF WAY PRIOR TO CONSTRUCTION.

2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.30m LAYERS.

3. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMD).

4. ROAD SUBDRAINS SHALL BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD R1.

5. ASPHALT PAVEMENT COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.

ROADWORKS

1. ALL TOPSOIL AND ORGANIC MATERIAL TO BE STRIPPED FROM WITHIN THE FULL RIGHT OF WAY PRIOR TO CONSTRUCTION.

2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.30m LAYERS.

3. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMD).

4. ROAD SUBDRAINS SHALL BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD R1.

5. ASPHALT PAVEMENT COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.

STORM AND SANITARY SEWERS

1. SANITARY SEWERS 375mm DIA, OR SMALLER SHALL BE PVC DR35. SANITARY SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA 4.20.2 CLASS 1000 AS PER OPSD 807.10.

2. STORM SEWERS 375mm DIA, OR SMALLER SHALL BE PVC DR35. STORM SEWERS LARGER THAN 375mm DIA, SHALL BE CONCRETE CSA 25.2 CLASS 1000 AS PER OPSD 807.010

GRADING

1. ALL GRANULAR BASE & SUB BASE COURSE MATERIALS SHALL BE COMPACTED TO 98% STANDARD PROCTOR MAX. DRY DENSITY.

2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.15m LAYERS.

**EXISTING CONDITIONS**

CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT.

EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION AREAS IN ORDER TO PROTECT DOWNSTREAM AREAS DURING ALL CONSTRUCTION. EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES

1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
3. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
4. PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MATCHES.
5. INSTAL CATCH BASIN INSERTS OR EQUIVALENT WALL PROPOSED CATCH BASINS AND CATCH-BASIN MANHOLES AND ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.

REMOVAL ITEMS

ASPHALT REMOVAL

DIR

PROPOSED VALVE BOX

DIR

PROPOSED HYDRANT

DIR

PROPOSED SANITARY MH AND SEWER

DIR

PROPOSED CATCHBASIN MH

DIR

PROPOSED CATCHBASIN MH

DIR

PROPOSED CATCHBASIN

DIR

PROPOSED DEPRESSED CURB LOCATION

DIR

PROPOSED BARRIER CURB

DIR

OVERLAND SPILL LOCATION

DIR

TWS LOCATION AS PER CITY STD

DIR

DIR