NOTES:

1. THE STANDARDS INDICATE MINIMUM DIMENSIONS THAT ARE TO BE INCORPORATED INTO THE DESIGN OF ANY NEW DEVELOPMENTS INVOLVING NEW AND EXISTING STREETS. ANY VARIATION TO THIS DESIGN WILL REQUIRE APPROVAL OF THE CITY OF OTTAWA.
2. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH APPLICABLE CITY STANDARDS.
3. ALL COMPOSITE UTILITY PLANS MUST ADHERE TO THE CITY OF OTTAWA'S STANDARD LOCATION OF UTILITY PLANT DRAWINGS IN ORDER TO RECEIVE APPROVAL THROUGH THE SITE PLAN CONTROL AND SUBDIVISION APPROVALS PROCESS.
4. TYPICAL CROSS SECTION BOULEVARD WIDTH SHALL BE MAINTAINED WHEN CONSTRUCTING CUL-DE-SACS AND CORNER LOTS REGARDLESS OF ROAD WAY GEOMETRY.
5. WATERMAIN AND HYDRANTS TO BE INSTALLED ON SOUTH AND EAST SIDE OF R.O.W. WHEN POSSIBLE.
6. SANITARY AND STORM SEWERS MAY BE INSTALLED OFF THE STREET CENTERLINE TO ACCOMMODATE LARGE SIZE SEWER PIPES AND STILL MAINTAIN THE CLEARANCES REQUIRED TO WATERMAINS.
7. THE USE IN-ROAD CATCH BASINS INSTEAD OF CURB INLET CATCH BASINS SHALL BE APPROVED BY AN AUTHORIZED CITY REPRESENTATIVE.
8. THE USE OF BARRIER CURB AND MOUNTABLE CURB SHALL BE APPROVED BY AN AUTHORIZED CITY REPRESENTATIVE. MOUNTABLE CURB SHALL BE SPECIFIED FOR TYPICAL TOWNHOUSE DEVELOPMENTS.
9. BUILDING SEWERS AND WATER SERVICES ARE TO BE CONSTRUCTED AT LOCATIONS IN ACCORDANCE WITH CITY STANDARDS.
10. SANITARY AND STORM SERVICE CONNECTIONS WILL BE EXTENDED A MINIMUM OF 2.0m BEYOND THE PROPERTY LINE TO ALLOW FOR FUTURE CONNECTION. WATER SERVICE PIPE MATERIAL SHALL BE LAID IN ONE CONTINUOUS PIPE LENGTH (i.e. SPLICING AND JOINTING SHALL NOT BE PERMITTED) FROM INSIDE FACE OF THE BUILDING TO THE CURBSTOP AND FROM THE CURBSTOP TO THE MAIN / CORPORATION STOP.
11. 1.5m CLEARANCE TO BE MAINTAINED AROUND WATER SERVICE POST.
12. REFER TO UCC PROCEDURE MANUAL FOR UTILITY SPECIFICATION CONCERNING PLANT INSTALLATIONS.
13. TRANSFORMERS AND PEDESTALS SHALL BE LOCATED BETWEEN TOWNHOUSE BUILDING BLOCKS RATHER THAN ENCUMBERING AND/ OR PREVENTING THE INSTALLATION OF ROAD ALLOWANCE TREES.
14. ALL PEDESTALS TO BE INSTALLED IN LINE WITH HYDRO TRANSFORMERS OR ON HOUSE SIDE OF TRENCH.
15. THE BASE OF A HYDRO TRANSFORMER MUST BE LOCATED A MINIMUM OF 2.0m FROM THE EDGE OF A DRIVEWAY.
16. REQUIREMENTS FOR PROTECTIVE BOLLARDS AT TRANSFORMERS SHALL BE DETERMINED BY HYDRO OR HYDRO ONE ON A CASE BY CASE BASIS.
17. SERVICE LATERALS MUST BE LOCATED A MINIMUM OF 3.0m FROMTHE BASE OF A HYDRO TRANSFORMER.
18. STREET LIGHT CABLE SHALL BE PLACED IN JOINT USE TRENCH. STREET LIGHT CABLE SHALL BE AT SAME OFFSET AS STREET LIGHTS WHEN JOINT USE TRENCH NOT CONSTRUCTED.
19. TRAFFIC DUCT ALTERNATIVE PLACEMENT LOCATIONS ARE:
    1) JOINT USE TRENCH (JUT) LOCATION OR
    2) SAME OFFSET AS STREETLIGHT POLES IN A SEPARATE TRENCH.
20. OPTIONAL LOCATION FOR THE TRAFFIC COMMUNICATIONS DUCT IS A TRENCH LOCATED AT THE SAME OFFSET AS THE STREETLIGHT POLES.
21. TRAFFIC ELECTRICAL DUCTS SHALL BE PLACED IN JOINT USE DUCT BANKS.
22. TRAFFIC HANDHOLES MAY BE LOCATED IN THE BOULEVARD AREA ADJACENT TO THE SIDEWALK.
23. USE OF THE FOUR PARTY-UTILITY TRENCH WILL BE CONSIDERED AS AN OPTION, BUT REQUIRES THE AGREEMENT OF ALL UTILITIES PRIOR TO THE THE DEVELOPMENT OF THE COMPOSITE UTILITY PLAN, AND MUST BE IN CONFORMANCE WITH THE GUIDELINES ESTABLISHED BY THE OTTAWA UTILITY COORDINATING COMMITTEE.
24. THE DEVELOPER SHALL SUPPLY AND INSTALL DUCTS FOR UTILITY CROSSINGS AT INTERSECTIONS.
25. ONE TREE PER LOT TYPICAL. 2 TREES ON CORNER LOT WITH ONE OF THE TREES ON THE STREET SIDE OF THE LOT

    SPECIFIC TREE SPECIES SHALL BE SELECTED FOR SOIL TYPES AND AVAILABLE SPACES FOR PLANTINGS.

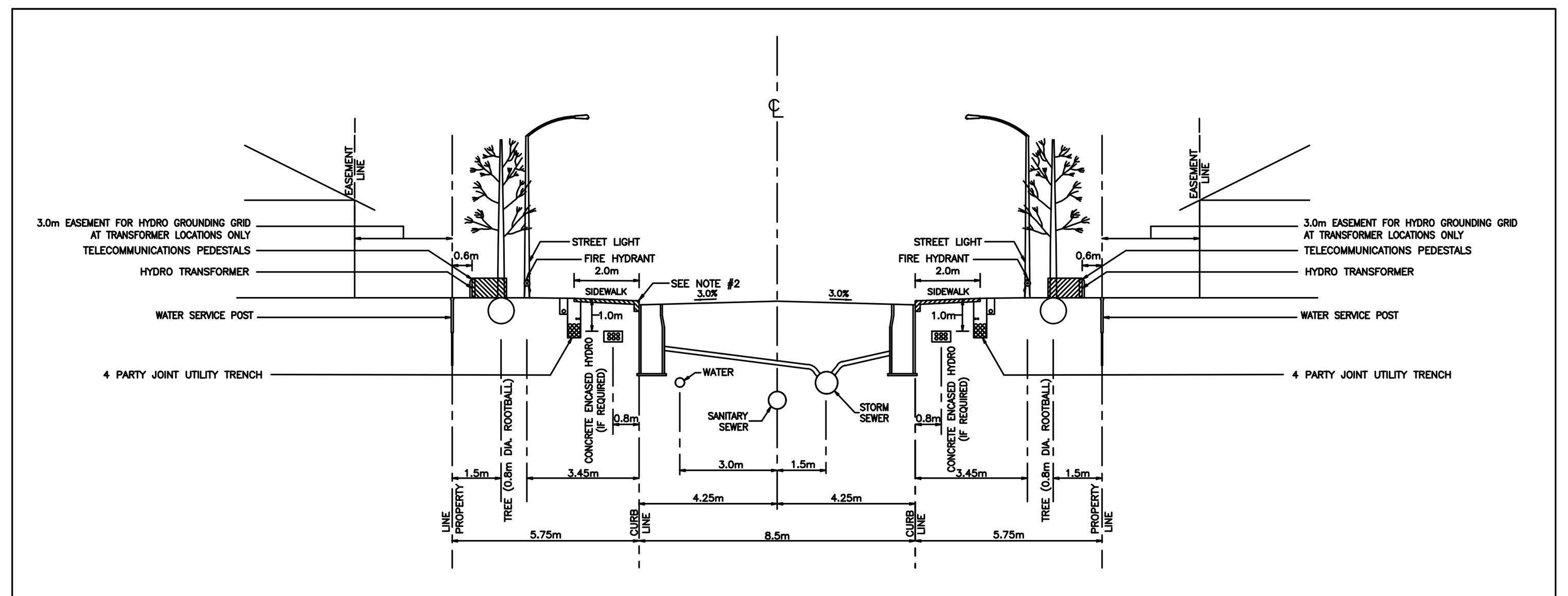
    TREE PLACEMENT LOCATION AND TREE SPECIES WILL REQUIRE THE APPROVAL OF THE CITY.

    TREE PLANTING SHALL BE HAND EXCAVATED FOR THOSE LOCATIONS WITH LESS THAN 1 METRE CLEARANCE TO THE JUT.
26. PRESCRIBED ORDER OF INSTALLATION:

    SEWERS AND WATERMAINS; HYDRANTS; WATER, STORM AND SANITARY SERVICE LATERALS; UTILITY STRUCTURES; BASE COURSE ASPHALT; JOINT USE UTILITY TRENCH; GAS MAINS; UTILITY LOT SERVICES; STREET LIGHTING; AND THEN TREES.

    PRESCRIBED ORDER OF INSTALLATION MAY VARY DEPENDING UPON CIRCUMSTANCES AS APPROVED BY AN AUTHORIZED CITY REPRESENTATIVE.

Ottawa	STANDARD NOTES ROAD ALLOWANCE	DATE: – REV. DATE: MARCH 2009 DWG. No.: ROW-NOTES



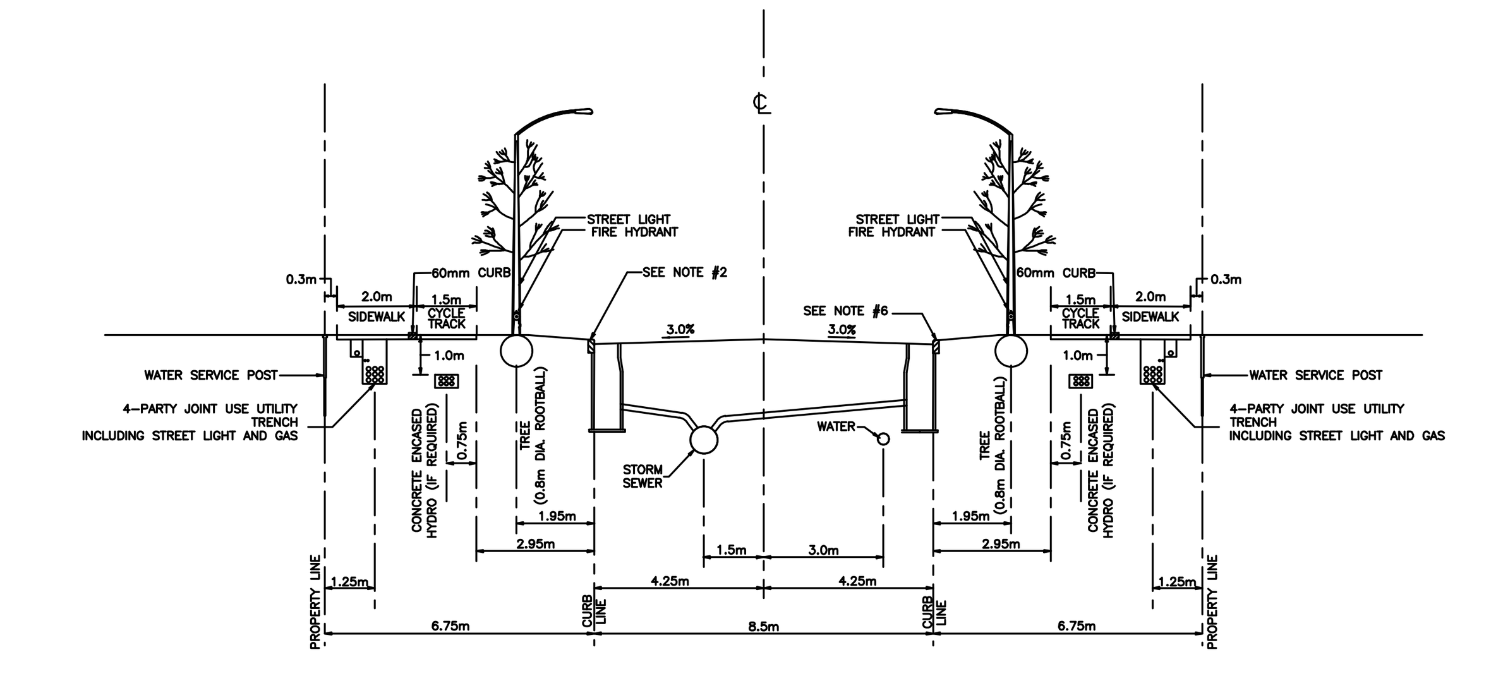
SECTION
GLENROY GILBERT DRIVE

NOTES:

1. REFERENCE STANDARD NOTES ROAD ALLOWANCE (DGN:ROW-NOTES)
2. CONCRETE CURBS MAY BE BARRIER TYPE OR MOUNTABLE TYPE, CATCH BASIN TYPE WILL SUIT CURB DESIGN. SEE SEWER DESIGN GUIDELINES FOR CATCH BASIN PREFERENCE.
3. AT CATCH BASIN AND HYDRANT LOCATIONS THE GAS MAIN SHALL HAVE A MINIMUM 0.6m CLEARANCE FROM STRUCTURES.
4. HYDRO TRANSFORMERS AND SIDEWALKS ARE TO BE LOCATED ON OPPOSITE SIDE OF THE ROW WHENEVER POSSIBLE. REQUIREMENT FOR PROTECTIVE BOLLARDS AT TRANSFORMERS SHALL BE DETERMINED BY HYDRO ON A CASE BY CASE BASIS.
5. HYDRO DUCTS TYPICALLY REQUIRED ON ONE SIDE OF RIGHT OF WAY ONLY. PROVIDE 1.0m COVER ON ALL CONCRETE ENCASED DUCTS.
6. HYDRANTS AND STREETLIGHTS ARE TO BE LOCATED ON OPPOSITE SIDE OF THE ROW FROM SIDEWALKS.

RESIDENTIAL ROAD 20.0m ROAD ALLOWANCE 4 PARTY JOINT USE TRENCH	DATE: – REV. DATE: MAY 2022 DWG. No.: ROW-20JT (SW)

20m COLLECTOR ROAD
GLENROY GILBERT DRIVE (STA 0+000.000 TO STA 0+267.900)



SECTION
RIOCAN AVENUE

NOTES:

1. REFERENCE STANDARD NOTES ROAD ALLOWANCE (DGN:ROW-NOTES).
2. AT CATCH BASIN LOCATIONS THE GAS MAIN SHALL HAVE A MINIMUM 0.6m CLEARANCE FROM STRUCTURES.
3. ALL PEDESTALS TO BE INSTALLED IN LINE WITH HYDRO TRANSFORMERS OR ON SIDE OF TRENCH AWAY FROM ROAD.
4. REQUIREMENT FOR PROTECTIVE BOLLARDS AT TRANSFORMERS SHALL BE DETERMINED BY HYDRO ON A CASE BY CASE BASIS.
5. HYDRO DUCTS TYPICALLY REQUIRED ON ONE SIDE OF ROW ONLY. PROVIDE 1.0m COVER ON ALL CONCRETE ENCASED DUCTS.
6. CONCRETE CURBS MAY BE BARRIER TYPE OR MOUNTABLE TYPE, CATCH BASIN TYPE WILL SUIT CURB DESIGN. SEE SEWER DESIGN GUIDELINES FOR CATCH BASIN PREFERENCE.
7. TREE SPECIES AND CALIPER SHALL BE DETERMINED IN CONFORMANCE WITH THE GEOTECHNICAL RECOMMENDATIONS AND CURRENT POLICIES IN PLACE AT TIME OF PLANTING

RESIDENTIAL ROAD 22.0m ROAD ALLOWANCE 4 PARTY JOINT USE TRENCH	DATE: – REV. DATE: MAY 2022 DWG. No.: ROW-22

22m COLLECTOR ROAD
RIOCAN AVENUE (STA 0+000.000 TO STA 0+082.670)

NOT FOR CONSTRUCTION

No.	BY	DATE	DESCRIPTION
7	S.L.M.	24-02-09	SUBMISSION 5
6	S.L.M.	23-10-06	ISSUED FOR TENDER
5	S.L.M.	23-09-22	ISSUED FOR TENDER
4	S.L.M.	23-09-06	ISSUED FOR TENDER

TOPOGRAPHIC INFORMATION
TOPOGRAPHIC INFORMATION PROVIDED BY STANTEC GEOMATICS LTD., PROJECT No. 161614291-111, DATED MARCH 1, 2022

SITE PLAN INFORMATION
SITE PLAN PROVIDED BY SRN ARCHITECTS LTD., PROJECT No. S21001, DATED OCTOBER 5, 2023

LEGAL INFORMATION
CALCULATED DRAFT PLAN PROVIDED BY STANTEC GEOMATICS LTD., PROJECT No. 161614291-131, DATED AUGUST 9, 2023

BENCH MARK
ELEVATIONS ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1928:1978) AND ARE DERIVED FROM BENCHMARK MONUMENT No. 196530071*, HAVING A PUBLISHED ELEVATION OF 99.742 METRES

MINTO COMMUNITIES INC.

BARRHAVEN TOWN CENTRE
GLENROY GILBERT DRIVE RIOCAN AVENUE & CHAPMAN MILLS DRIVE EXTENSION

DSEL
120 Iber Road Unit 103
Stittsville, Ontario, K2S 1E9
Tel. (613) 836-0856
Fax. (613) 836-7183
www.DSEL.ca

LICENSED PROFESSIONAL ENGINEER
S. L. MERRICK
100186523
2024-02-09
PROVINCE OF ONTARIO

Ottawa
110 Laurier Ave W
Ottawa, Ontario, K1P 1J1
Tel. (613) 580-2400
www.Ottawa.ca

© DSEL

STANDARD ROADWAY CROSS SECTIONS

DRAWN BY: AM	CHECKED BY: BC	PROJECT No. 15-816
DESIGNED BY: BC	CHECKED BY: SM	
SCALE: AS SHOWN		SHEET No. 2

CITY PLAN No. 18822

CITY FILE No. D07-12-22-0104