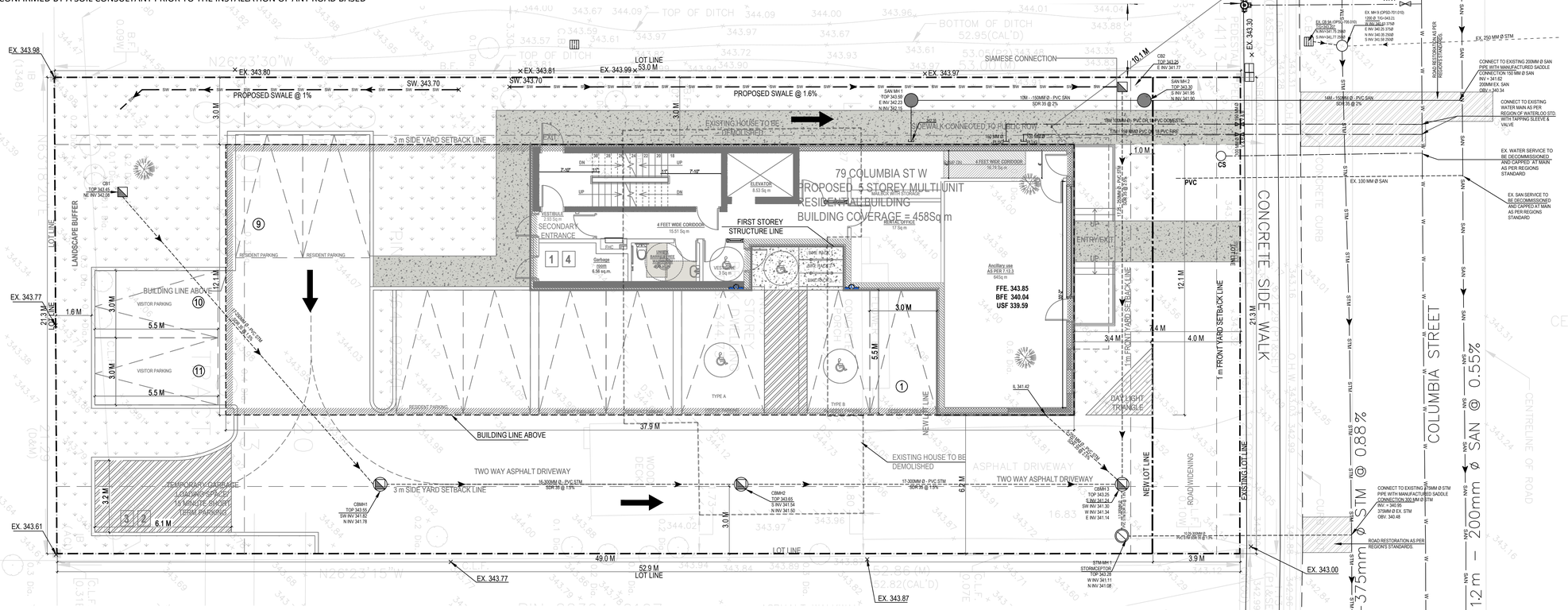
GENERAL NOTES

1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UTILITIES, FEATURES AND STRUCTURES ARE NOT NECESSARILY WHERE SHOWN ON THE CONTRACT DRAWINGS AND WHERE SHOWN, THE ACCURACY OF THE POSITIONS IS NOT GUARANTEED. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL INFORM HIM/HERSELF OF THE EXACT LOCATION OF SUCH UTILITIES AND STRUCTURES.
2. ALL DIMENSIONS SHALL BE CHECKED BY THE CONTRACTOR AND INCONSISTENCIES SHALL BE REPORTED TO THE PROJECT ENGINEER.
3. ALL UNITS ARE IN METERS UNLESS OTHERWISE NOTED.
4. ALL WORK REPORTED IN ACCORDANCE WITH THE LATEST RELEVANT SECTIONS OF THE OPSDS, OPSSS, ONTARIO BUILDING CODE AND THE REQUIREMENTS OF THE CITY AND THE REGION OF WATERLOO.
5. ALL DISTURBED AREAS RESTORED TO ORIGINAL CONDITIONS OR BETTER IN ACCORDANCE WITH CITY OF WATERLOO AND REGION OF WATERLOO DRAWINGS/SPECIFICATIONS.
6. ALL WORK SHALL COMPLY WITH THE STANDARD & SPECIFICATIONS OF THE CITY OF WATERLOO AND OPSD. ALL WORK SHALL ALSO COMPLY WITH THE MUNICPALITIES DESIGN GUILDLINES AND SUPPLEMENTAL SPECIFICATIONS OF MUNICIPAL SERVICES (DGSSMS).
7. GRADING OF THE SITE SHOULD NOT BE ALTERED TO CAUSE FLOODING TO ADJACENT PROPERTIES.
8. A SILT FENCE AS PER CITY OF WATERLOO STANDARD MUST BE INSTALLED AROUND THE PERIMETER OF THE PROPERTY
9. CONSTRUCTION ACCESS SHOULD BE AS PER CITY STANDARD.
10. ALL SIDEWALKS, CURBS , ETC. SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STANDARDS.
11. ALL DIMENSIONS AND LOCATIONS OF EXISTING UTILITY SHALL BE VERIFIED PRIOR TO THE COMMENCEMENT OF WORK, AND ANY DISCREPANCIES TO BE REFERRED TO THE ENGINEER.
12. ALL CONCRETE CURBS SHALL BE BARRIER TYPE HAVING A MINIMUM HEIGHT OF 150MM, UNLESS OTHERWISE STATED.
13. ALL MANHOLES AND CATCHBASINS SHALL BE BACKFILLED WITH GRANULAR "B", MINIMUM THICKNESS OF 300MM TO 95% STANDARD PROCTOR DENSITY.
14. THE SITE SERVICING AND GRADING PLAN SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL SITE PLAN.
15. ALL FILL WITHIN ROAD ALLOWANCE AND BUILDING AREA TO BE COMPACTED TO A MINIMUM OF 95% STANDARDS PROCTOR DENSITY, AND THE SUITABILITY AND COMPACTION OF ALL FILL MATERIAL ARE TO BE CONFIRMED BY A SOIL CONSULTANT PRIOR TO THE INSTALLATION OF ANY ROAD BASED MATERIAL.

SANITARY STORM, AND WATER SERVICING

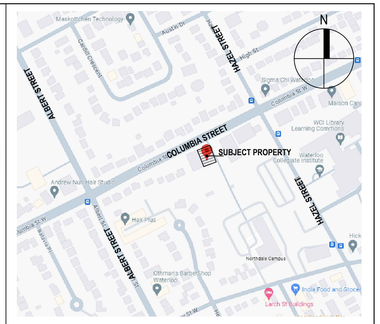
1. CHANGES AND ALTERATIONS TO THE STORMWATER MANAGEMENT OR SITE SERVICING DESIGN FOLLOWING MUNICIPAL APPROVAL WILL REQUIRE RESUBMISSION OF THE SITE PLAN APPLICATION PRIOR TO CONSTRUCTION.
2. ALL PIPING, STRUCTURES AND INSTALLATION TO CONFORM TO LATEST CITY OF WATERLOO SPECIFICATIONS, ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND THE ONTARIO BUILDING CODE - 2012.
3. BUILDING CONNECTIONS FOR WATER, SANITARY SEWERS, WEEPING TILES AND DOWNSPOUT HEADERS TO BE AS PER THE ONTARIO BUILDING CODE - 2012 OR THE CITY OF WATERLOO STANDARD SPECIFICATIONS.
4. STORM CATCHBASIN MAINTENANCE HOLES TO BE OPSD 701 SERIES C/W FRAME AND GRATE AS PER OPSD 400.100. SINGLE CATCHBASINS TO BE OPSD 705.010. ALL CATCHBASIN MAINTENANCE HOLES AND CATCHBASINS WITH PIPES 450Ø AND SMALLER REQUIRE A 600MM SUMP. ALL STORM MAINTENANCE HOLES ARE TO BE BENCHED.
5. ULTRA-RIB PIPE IS NOT PERMITTED WITHIN THE MUNICIPAL RIGHT OF WAY.
6. ALL PIPE BEDDING AND EXCAVATIONS SHALL CONFORM TO OPSD 802.010, 802.013, 802.030, 802.031, 802.032, 802.033 AS REQUIRED. ALL PIPE BEDDING AND COVER MATERIAL SHALL BE GRANULAR 'A'.
7. PROPOSED SEWERS WITH LESS THAN 1.5M COVER ARE TO BE INSULATED WITH 50MM RIGID STYROFOAM H.I. 40 INSULATION 200MM ABOVE PIPE, MINIMUM WIDTH 1.5M.
8. ALL FOUNDATION DRAINS CONNECTED TO INTERNAL SUMPS SHALL BE FITTED WITH A BACKFLOW PREVENTER.
9. APPROPRIATE BACKFLOW PREVENTION DEVICE TO BE INSTALLED ON THE DISCHARGE SIDE OF WATER METER, TO THE SATISFACTION OF THE CITY OF WATERLOO PLUMBING INSPECTOR.
10. THE CONSTRUCTION OF ALL PLUMBING WORK SHALL BE CARRIED OUT BY A DRAIN CONTRACTOR OR PLUMBING CONTRACTOR LICENSED BY THE CITY OF WATERLOO TO PERFORM PLUMBING WORK.
11. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE CITY OF KITCHENER BUILDING DEPARTMENT TO COMPLETE THE REQUIRED INSPECTIONS ON THE INSTALLATION OF STORM, SANITARY AND WATER SERVICES.
12. IT IS THE OWNER'S RESPONSIBILITY TO CONDUCT ROUTINE INSPECTION AND MAINTENANCE OF ALL SITE SERVICES CONSTRUCTED ON THE OWNER'S PROPERTY.
13. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE SUPPLY, INSTALLATION, MAINTENANCE, REMOVAL/DISPOSAL AND REMOVAL/RE-INSTALLATION OF ALL SEDIMENT AND EROSION CONTROL DEVICES DETAILED ON THIS PLAN UNTIL THE COMPLETION OF CONSTRUCTION.
14. THE SITE WORKS CONTRACTOR WILL BE RESPONSIBLE FOR THE RESTORATION OF ALL DISTURBED AREAS WITHIN THE LIMITS OF CONSTRUCTION.
15. IT IS THE OWNER'S RESPONSIBILITY TO CONDUCT ROUTINE INSPECTION AND MAINTENANCE OF STORMWATER MANAGEMENT FACILITIES INSTALLED OR CONSTRUCTED ON THE OWNER'S PROPERTY.
16. ALL WORKS ON MUNICIPAL EASEMENTS OR THE MUNICIPAL RIGHT-OF-WAY, INCLUDING CURB CUTS OR FILLS, CULVERT SIZING AND PLACEMENT AND SERVICE LATERALS TO THE PROPERTY LINE TO BE PERFORMED BY CONTRACTOR SELECTED BY DEVELOPER AT DEVELOPER'S EXPENSE AS PER OFFSITE WORKS PROCESS UPON APPLICATION BY THE OWNER OR HIS AGENT.
17. ALL SEWERS, WATERMAINS, APPURTENANCES AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE DGSSMS.
18. MINIMUM 2.5M CLEAR HORIZONTAL AND 0.5M CLEAR VERTICAL SEPARATION FROM WATERMAIN TO ALL SEWERS AT ALL TIMES. CLEAR SEPARATION IS MEASURED FROM OUTSIDE OF PIPE WALL TO OUTSIDE OF PIPE WALL.



LEGEND

SYMBOL	DESCRIPTION
○	PROPOSED STORM SEWER MANHOLE
●	PROPOSED SANITARY MANHOLE
⊘	STORMCEPTOR
⊘	PROPOSED CATCH BASIN MANHOLE
▨	PROPOSED CATCH BASIN
⋈	PROPOSED VALVE & BOX
➡	OVERLAND FLOW DIRECTION
	FIRE HYDRANT
STM	EXISTING STORM WATER MAIN
W	EXISTING WATER MAIN
SAN	EXISTING SEWER MAIN
SW	PROPOSED SWALE

BENCHMARK NOTE:
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO THE CITY OF WATERLOO BENCHMARK No.673767, HAVING AN ELEVATION OF 348.449 M. WATERLOO CONCREE MOUNMENT ON WEST SIDE OF ALBERT STREET, 0.2 KM SOUTHEAST OF PHILLIP STREET, 17.8 M SOUTHEAST FROM FROM SOUTHEAST CORNER OF RED BRICK BUNGALOW, 8.1 M SOUTHWEST FROM CENTRE LINE OF ROAD, 4.9 M NORTHWEST OF HYDRO POLE, 2.3 M NORTHEAST OF HYDRANT, TABLET IN TOP AND AT GROUND LEVEL. ESTABLISHED BY TOPOGRAPHICAL SURVEY.



KEY PLAN

NO.	DESCRIPTION	DATE
02.	REVISED AS PER SITE PLAN	2025-10-15
01.	REVISED AS PER SITE PLAN	2025-01-20
00.	ISSUED FOR APPROVAL	2025-01-03

REVISION

Orientation

Project North

2024-111

SEAL

LICENSED PROFESSIONAL ENGINEER
A. MUNEEB
100553264
PROVINCE OF ONTARIO
2025-10-15

Consultant

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9-1900 Clark Boulevard, Brampton, ON, L6T 0E9

Project Location:

79 COLUMBIA STREET , WATERLOO

Drawing

FUNCTIONAL SERVICING PLAN

Drawn By	TSM
Checked by	HM
Project Number	2024-111
Scale	1:100
Date	2025-10-15

0 5 10m

Drawing Number

C-101

GRADING NOTES:

1. CONTRACTOR TO RESTORE AREAS ON PUBLIC R.O.W. OR ADJACENT LANDS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION TO A PREVIOUS OR BETTER CONDITION.
2. ALL DRIVEWAY AND GRADING MATERIAL AND CONSTRUCTION METHODS MUST CONFORM TO CURRENT MUNICIPAL STANDARDS AND SPECIFICATIONS.
3. ALL FILL WITHIN THE SITE TO BE COMPACTED TO A MIN. OF 98% STD. PROCTOR MEDIAN DRY DENSITY. ALL FILL WITHIN THE SITE PARKING AREA TO BE COMPACTED TO A MIN. OF 95% SPMDD. THE SUITABILITY OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A RECOGNIZED SOILS CONSULTANT PRIOR TO INSTALLATION OF ANY ROAD BASE MATERIALS.
4. LANDSCAPING SHALL NOT ENCROACH ON BOULEVARD NOR SHALL BOULEVARD GRADES BE ALTERED.
5. SILT FENCE(S) TO BE INSTALLED AND MAINTAINED TO PREVENT SILT FLOWING ONTO ADJACENT LANDS. SILTATION CONTROL METHODS ARE TO BE AS NOTED ON THE DRAWINGS IN THE LOCATIONS SHOWN AND SHALL BE ERECTED PRIOR TO ANY GRADING OR CONSTRUCTION AND SHALL BE IN GOOD REPAIR THROUGHOUT THE CONSTRUCTION AND GRADING PHASES.
6. ANY CHANGES IN GRADES, CATCH BASINS, SERVICE LATERALS, STORM AND SANITARY SEWERS REQUIRE THE APPROVAL OF THE ENGINEER.
7. THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE MUNICIPALITY.
8. ALL LANDSCAPING TO BE INSTALLED AS SOON AS POSSIBLE OR PRIOR TO THE END OF THE FIRST GROWING SEASON. LANDSCAPING TO BE MAINTAINED UNTIL IT IS ESTABLISHED.
9. ALL CURBS ARE TO BE 150MM ABOVE THE PROPOSED GUTTER LINE (G/L) UNLESS NOTED OTHERWISE.
10. PAVEMENT GRADE SHALL BE MIN. 0.5%, MAX. 5%.
11. SLOPES IN LANDSCAPE AREAS AND ON BERMS SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.
12. THE GRADING PLAN IS TO BE READ IN CONJUNCTION WITH THE SITE SERVICES DRAWING.

PAVEMENT CONSTRUCTION

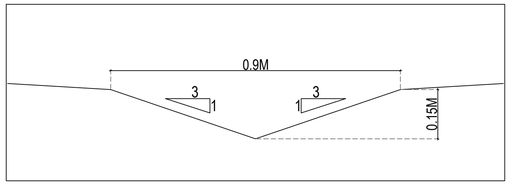
PAVEMENT STRUCTURE SHOULD BE AS PER GEO-TECHNICAL INVESTIGATION PERFORMED BY PLANET ENGINEERING INC DATED 05 AUGUST 2025 REPORT # 2501194AG, AS BELOW:

Pavement Layer	Compaction Requirements	Light Duty Parking (Cars)	Medium Duty Parking (Occasional Service Vehicle)	Heavy Duty Parking (Delivery Trucks)
Asphaltic Concrete	92 to 96.5% Maximum Relative Density	40 mm OPSS HL 3 40 mm OPSS HL 8	40 mm OPSS HL 3 80 mm OPSS HL 8	50 mm OPSS HL 3 80 mm OPSS HL 8
OPSS Granular A Base** (or 20mm Crushed Limestone)	100% SPMDD*	150 mm	150 mm	150 mm
OPSS Granular B Type I or approved equivalent***	100% SPMDD	200 mm	250 mm	350 mm

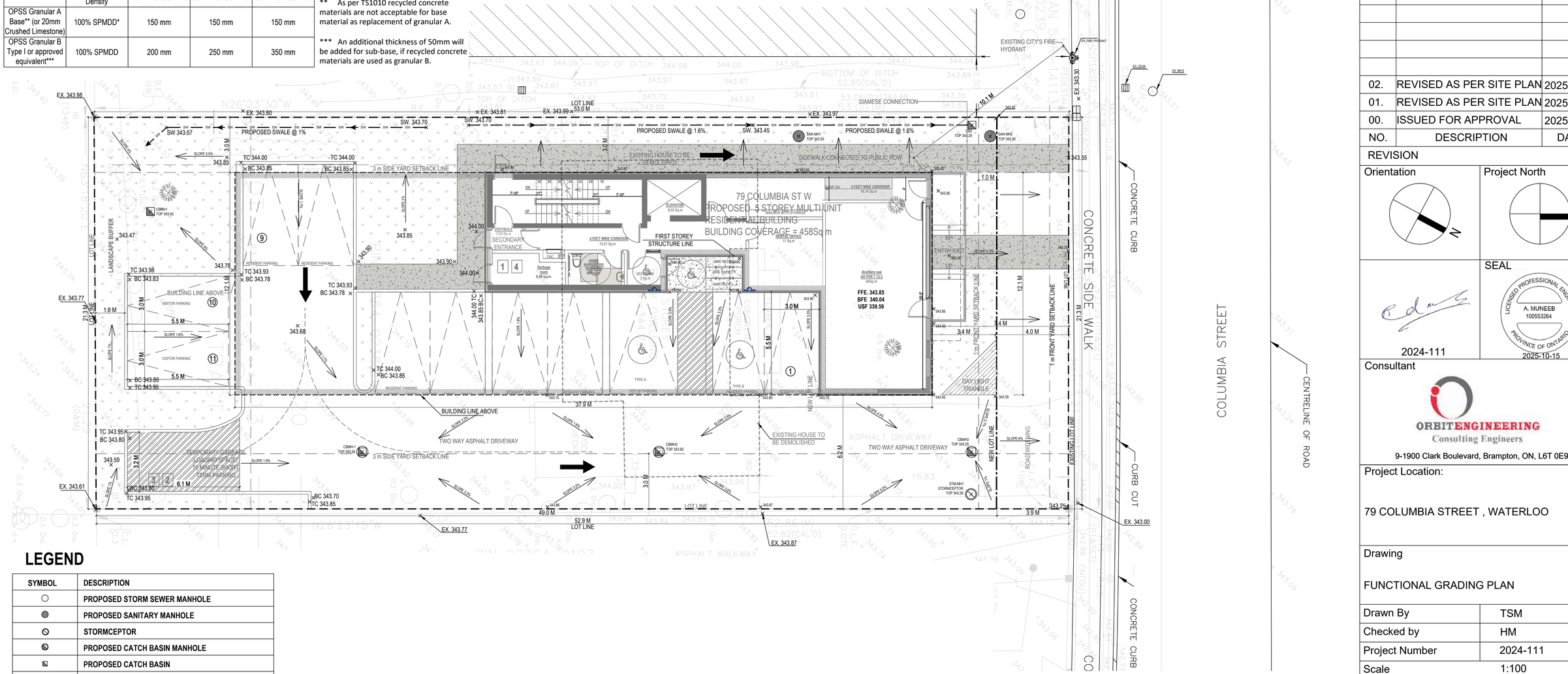
* Denotes Standard Proctor Maximum Dry Density, ASTM-D698

** As per TS1010 recycled concrete materials are not acceptable for base material as replacement of granular A.

*** An additional thickness of 50mm will be added for sub-base, if recycled concrete materials are used as granular B.



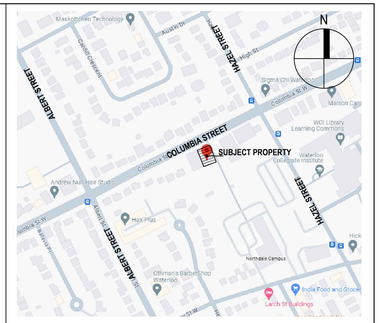
TYPICAL SWALE CROSS SECTION



LEGEND

SYMBOL	DESCRIPTION
○	PROPOSED STORM SEWER MANHOLE
●	PROPOSED SANITARY MANHOLE
⊘	STORMCEPTOR
◉	PROPOSED CATCH BASIN MANHOLE
◪	PROPOSED CATCH BASIN
⋈	PROPOSED VALVE & BOX
➡	OVERLAND FLOW DIRECTION
🚒	FIRE HYDRANT
→	GRADING SLOPE AND DIRECTION
× EX. 343.97	EXISTING ELEVATION (INTERPOLATED FROM SURVEY)
× BC 343.54	BOTTOM OF CURB ELEVATION
× TC 343.69	TOP OF CURB ELEVATION
× SW 343.70	PROPOSED SWALE INVERT

BENCHMARK NOTE:
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NO.	DESCRIPTION	DATE
02.	REVISED AS PER SITE PLAN	2025-10-15
01.	REVISED AS PER SITE PLAN	2025-01-20
00.	ISSUED FOR APPROVAL	2025-01-03

REVISION

Orientation

Project North

2024-111

SEAL

LICENSED PROFESSIONAL ENGINEER
A. MUNEEB
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2025-10-15

Consultant

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9-1900 Clark Boulevard, Brampton, ON, L6T 0E9

Project Location:

79 COLUMBIA STREET , WATERLOO

Drawing

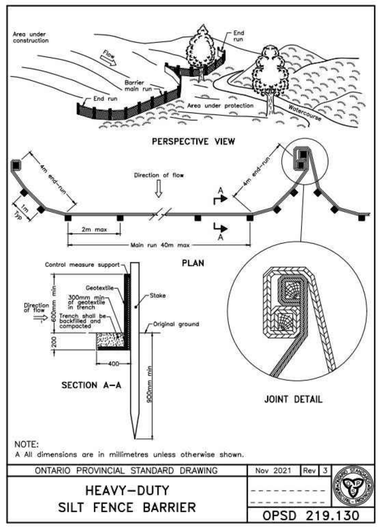
FUNCTIONAL GRADING PLAN

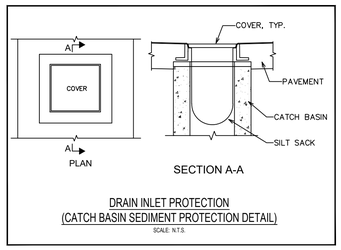
Drawn By	TSM
Checked by	HM
Project Number	2024-111
Scale	1:100
Date	2025-10-15

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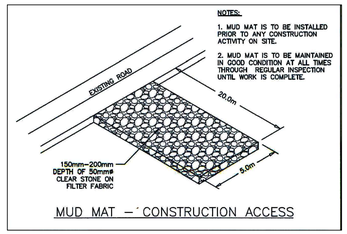
Drawing Number

C-102

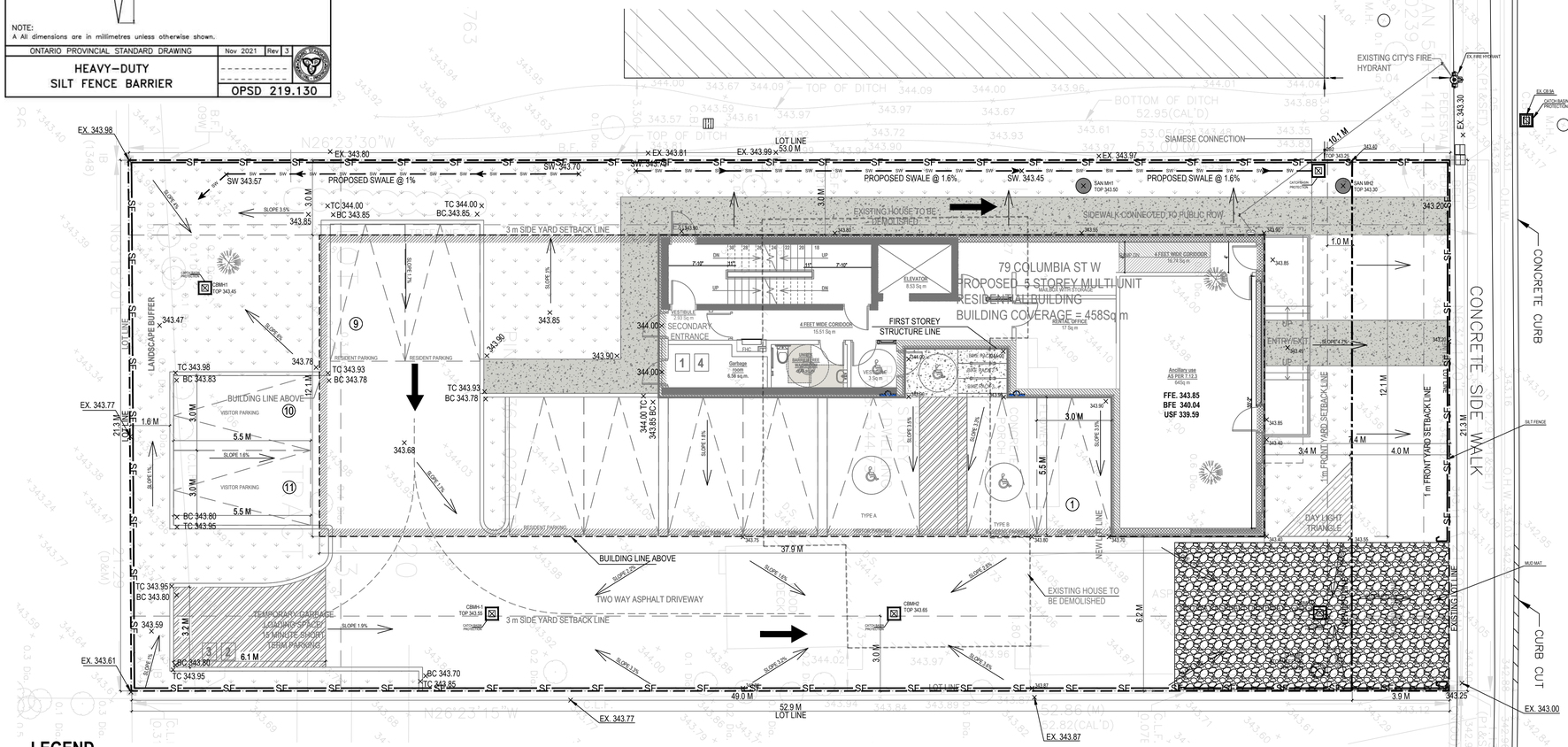




DRAIN INLET PROTECTION
(CATCH BASIN SEDIMENT PROTECTION DETAIL)
SCALE: N.T.S.



MUD MAT – CONSTRUCTION ACCESS



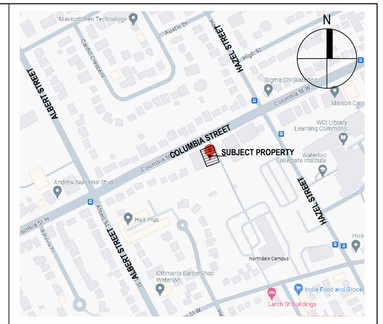
LEGEND

SYMBOL	DESCRIPTION
○	PROPOSED STORM SEWER MANHOLE
◍	PROPOSED SANITARY MANHOLE
⊘	STORMCEPTOR
⊘	PROPOSED CATCH BASIN MANHOLE
⊠	PROPOSED CATCH BASIN
⊠	CATCH BASIN PROTECTION
⋈	PROPOSED VALVE & BOX
➡	OVERLAND FLOW DIRECTION
⊱	FIRE HYDRANT
SF	SILT FENCE
	PROPERTY LINE
SW	PROPOSED SWALE
	GRADING SLOPE AND DIRECTION
×EX. 343.97	EXISTING ELEVATION (INTERPOLATED FROM SURVEY)
×BC 343.54	BOTTOM OF CURB ELEVATION
×TC 343.69	TOP OF CURB ELEVATION

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL SEDIMENT AND SILTATION CONTROL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF SITE GRADING WORKS, TO THE SATISFACTION OF THE CITY OF WATERLOO.
2. IF CONSTRUCTION IS INTERRUPTED FOR MORE THAN 30 DAYS, STRIPPED AND BARE AREAS SHALL BE STABILIZED BY SEEDING.
3. THE SEDIMENT CONTROL DEVICES SHALL BE INSPECTED WEEKLY & AFTER EACH SIGNIFICANT RAINFALL.
4. THE SEDIMENT CONTROL MEASURES SHALL BE REPAIRED, CLEANED OR REPLACED AS NECESSARY, OR AS DIRECTED BY THE CITY OF WATERLOO OR ENGINEER ON SITE.
5. ALL SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION, GRADING, TOPSOIL AND SODDING ARE COMPLETE.
6. THE CONTRACTOR SHALL CONSTRUCT AN ACCESS DRIVEWAY TO THE SATISFACTION OF THE CITY. A MUD TRACKING MAT SHALL BE INCLUDED IN SUCH WORKS.
7. THE MUNICIPAL ROAD MUST BE KEPT CLEAN OF MUD AND DIRT; IT SHOULD BE CLEANED AT LEAST WEEKLY OR AS REQUIRED BY THE CITY OF WATERLOO.

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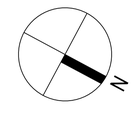


KEY PLAN

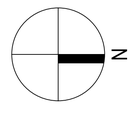
NO.	DESCRIPTION	DATE
02.	REVISED AS PER SITE PLAN	2025-10-15
01.	REVISED AS PER SITE PLAN	2025-01-20
00.	ISSUED FOR APPROVAL	2025-01-03

REVISION

Orientation



Project North



2024-111

SEAL



2025-10-15

Consultant

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9-1900 Clark Boulevard, Brampton, ON, L6T 0E9

Project Location:

79 COLUMBIA STREET , WATERLOO

Drawing

EROSION & SEDIMENT CONTROL PLAN

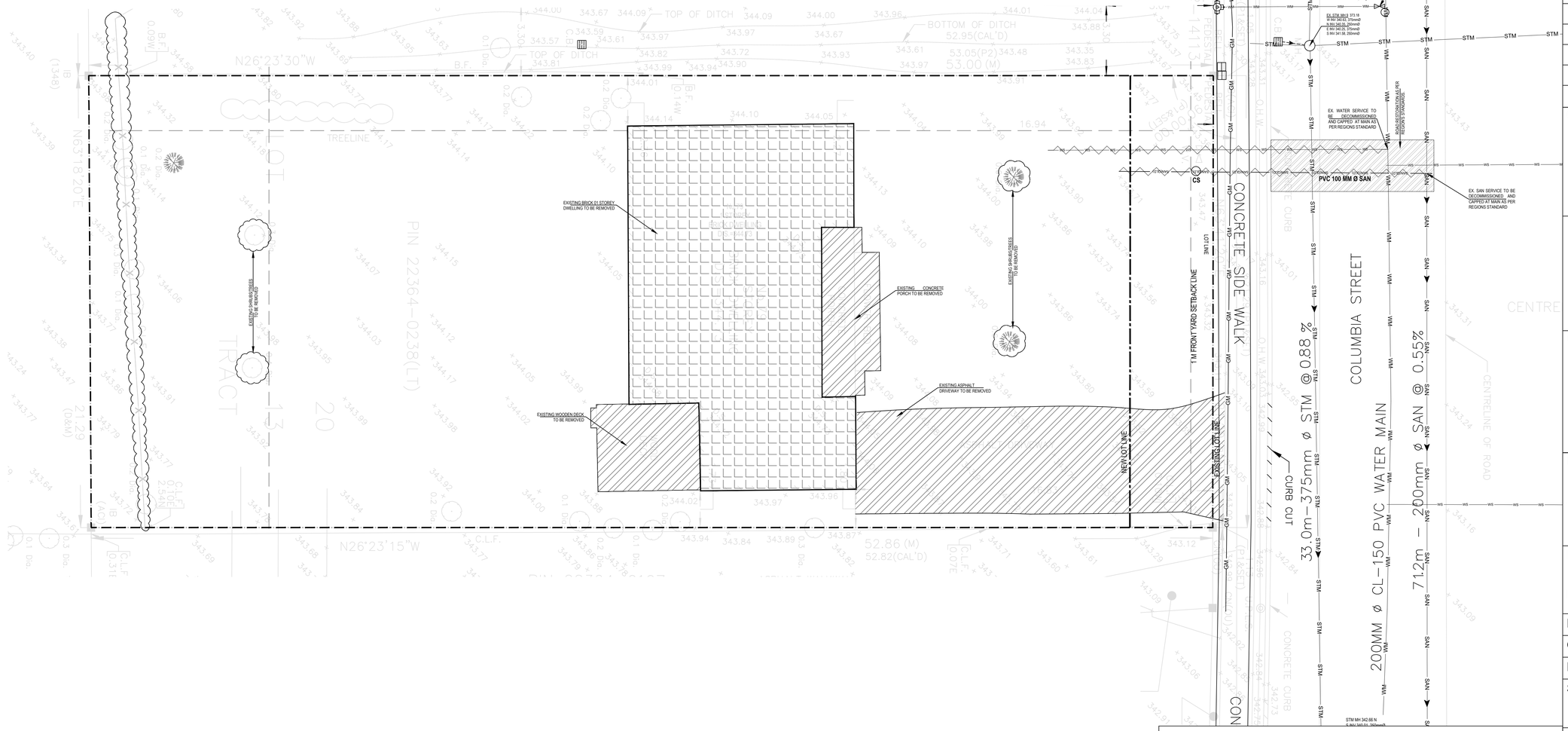
Drawn By	TSM
Checked by	HM
Project Number	2024-111
Scale	1:100
Date	2025-10-15

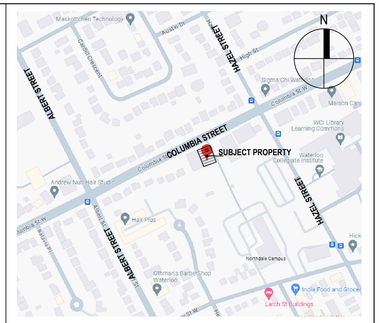
Drawing Number

C-103

LEGEND

SYMBOL	DESCRIPTION
	EXISTING CATCH BASIN
	EXISTING MANHOLE
	FIRE HYDRANT
STM	EXISTING STORM WATER MAIN
WM	EXISTING WATER MAIN
SAN	EXISTING SANITARY MAIN
GM	EXISTING GAS MAIN
WS	EXISTING WATER SERVICE LINE
SAN(GLD)	SANITARY SEWER LINE
	EXISTING SERVICES TO BE REMOVED
	EXISTING BRICK 01 STOREY DWELLING TO BE REMOVED
	EXISTING BRICK DRIVEWAY / PORCH /DECK TO BE REMOVED
	EXISTING FENCE TO BE REMOVED
	EXISTING TREE OR SHURBS TO BE REMOVED





KEY PLAN

NO.	DESCRIPTION	DATE
00.	ISSUED FOR APPROVAL	2025-10-16

REVISION

Orientation

Project North

2024-111

SEAL

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A. MUNEEB
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PROVINCE OF ONTARIO
2025-10-16

Consultant

ORBITENGINEERING
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Project Location:

79 COLUMBIA STREET , WATERLOO

Drawing

EXISTING CONDITIONS AND REMOVAL PLAN

Drawn By	TSM
Checked by	HM
Project Number	2024-111
Scale	1:100
Date	2025-10-16

0 5 10m

Drawing Number

C-104

BENCHMARK NOTE:
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO THE CITY OF WATERLOO BENCHMARK No.673767, HAVING AN ELEVATION OF 348.449 M. WATERLOO CONCREE MOUNMENT ON WEST SIDE OF ALBERT STREET, 0.2 KM SOUTHEAST OF PHILLIP STREET, 17.8 M SOUTHEAST FROM FROM SOUTHEAST CORNER OF RED BRICK BUNGALOW, 8.1 M SOUTHWEST FROM CENTRE LINE OF ROAD, 4.9 M NORTHWEST OF HYDRO POLE, 2.3 M NORTHEAST OF HYDRANT, TABLET IN TOP AND AT GROUND LEVEL. ESTABLISHED BY TOPOGRAPHICAL SURVEY.

CONSTRUCTION STAGING

STAGE 1: SITE PREPARATION AND TEMPORARY FACILITIES

- SAFETY AND ENVIRONMENTAL CONTROLS:

I. INSTALL MUD MAT AT SITE ENTRANCE TO PREVENT SEDIMENT TRACKING.
II. ERECT SILT FENCE ALONG PERIMETER TO CONTROL EROSION.
III. PROTECT EXISTING CATCH BASINS WITH FILTER FABRIC OR INLET GUARDS.

- TEMPORARY FACILITIES SETUP:

I. ESTABLISH TEMPORARY SITE OFFICE FOR PROJECT COORDINATION.
II. DESIGNATE LAYDOWN AREA FOR MATERIAL STORAGE.
III. PROVIDE TEMPORARY PARKING FOR WORKERS AND VISITORS.
IV. INSTALL PORTABLE TOILET FACILITIES PER HEALTH REGULATIONS.

- SIGNAGE AND ACCESS CONTROL:

I. POST SAFETY SIGNAGE AND RESTRICT UNAUTHORIZED ACCESS.
II. COORDINATE WITH CITY OF WATERLOO FOR HAULAGE ROUTE COMPLIANCE

STAGE 2: EXCAVATION AND UNDERGROUND SERVICES

- EXCAVATION ACTIVITIES:

I. EXCAVATE BUILDING FOOTPRINT TO REQUIRED DEPTH.
II. STOCKPILE OR REMOVE EXCESS SOIL PER ENVIRONMENTAL GUIDELINES.

- FOUNDATION AND CIVIL WORKS:

I. CONSTRUCT FOOTINGS, FOUNDATION WALLS, AND SLAB-ON-GRADE.
II. INSTALL UNDERGROUND CIVIL SERVICES INCLUDING WATER, SANITARY, STORM, AND ELECTRICAL CONDUITS.

- INSPECTION AND BACKFILL:
- SCHEDULE INSPECTIONS FOR FOOTINGS AND SERVICES PRIOR TO BACKFILL.
- BACKFILL AND COMPACT IN LAYERS TO MEET GEOTECHNICAL SPECS.

STAGE 3: SUPERSTRUCTURE CONSTRUCTION

- GREY STRUCTURE WORKS:

I. ERECT STRUCTURAL FRAME (CONCRETE, STEEL, OR WOOD AS PER DESIGN).
II. CONSTRUCT FLOOR SLABS, WALLS, AND ROOF STRUCTURE.
III. INSTALL WINDOWS AND EXTERIOR DOORS TO ACHIEVE BUILDING ENVELOPE.

- SAFETY AND LOGISTICS:

I. MAINTAIN CLEAR ACCESS ROUTES FOR DELIVERIES AND CRANE OPERATIONS.
II. CONTINUE EROSION CONTROL AND UPDATE SAFETY SIGNAGE AS NEEDED.

STAGE 4: INTERIOR FINISHES AND LANDSCAPING

- INTERIOR WORKS:

I. COMPLETE MECHANICAL, ELECTRICAL, AND PLUMBING ROUGH-INS.
II. INSTALL DRYWALL, FLOORING, CABINETRY, AND FIXTURES.
III. CONDUCT FINAL INSPECTIONS FOR OCCUPANCY READINESS.

- EXTERIOR WORKS:

I. EXECUTE SOFT LANDSCAPING (TOPSOIL, SOD, PLANTING).
II. INSTALL HARDSCAPE ELEMENTS (WALKWAYS, CURBS, PAVING).
III. RESTORE ANY DISTURBED MUNICIPAL INFRASTRUCTURE.

HAULAGE ROUTE:

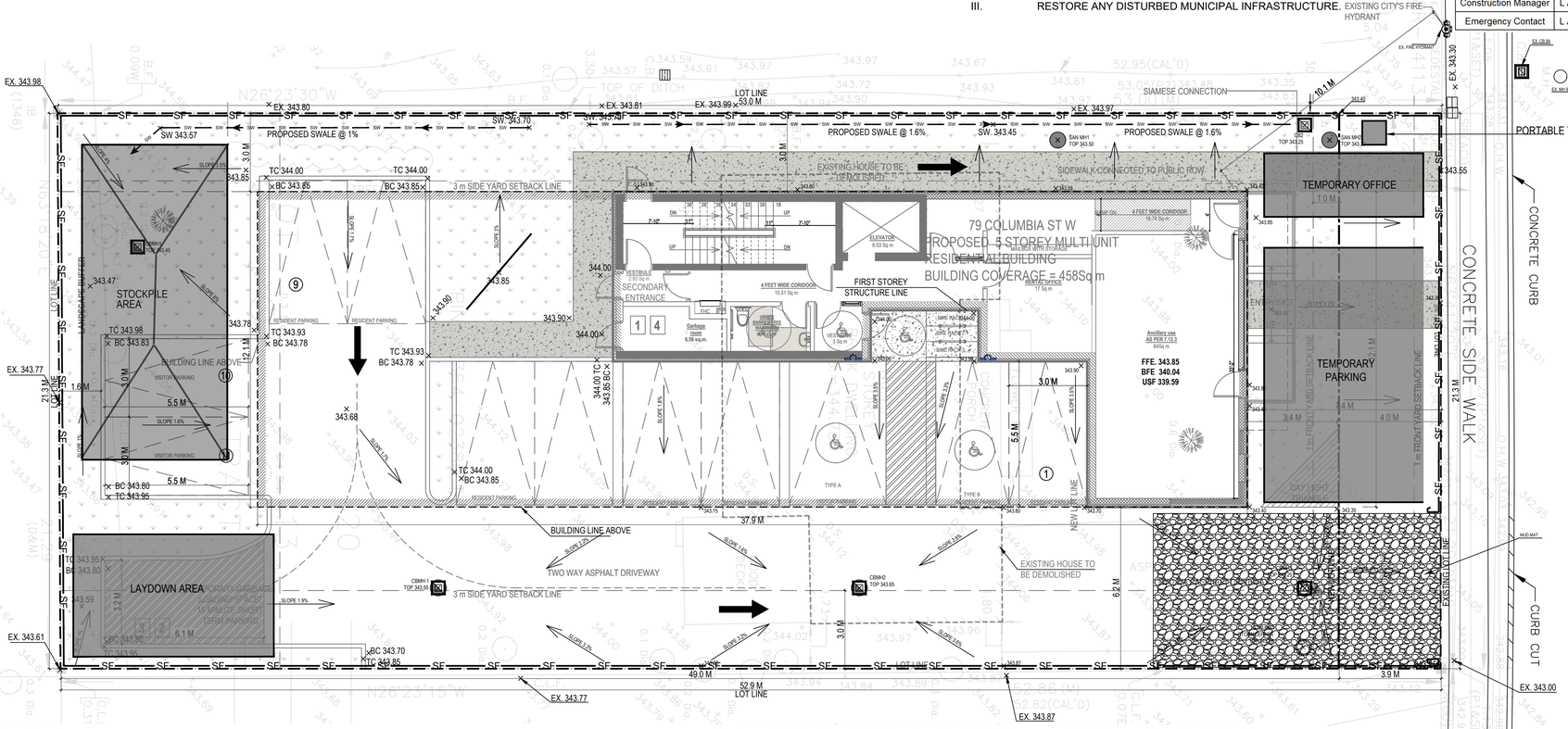
TO AVOID LOCAL STREETS, FROM HIGHWAY 85 OR HIGHWAY 401, TRUCKS SHOULD IDEALLY USE:

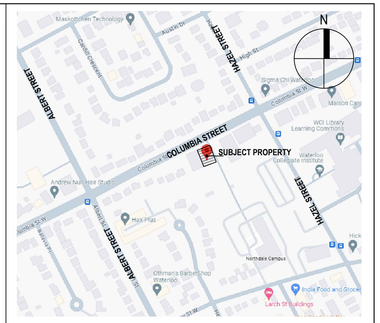
1. NORTHFIELD DRIVE OR BRIDGEPORT ROAD EAST TO APPROACH FROM THE NORTH OR EAST.
2. USE WEBER STREET NORTH FOR NORTH-SOUTH MOVEMENT.
3. AVOID UNIVERSITY AVENUE, KING STREET SOUTH, AND COLUMBIA STREET WEST NEAR UNIVERSITY CAMPUSES AND HOSPITALS.

FINAL APPROACH TO SITE SHOULD BE FROM WEBER STREET NORTH, TURN ONTO COLUMBIA STREET EAST BRIEFLY FOR DIRECT ACCESS. SCHEDULE DELIVERIES DURING OFF-PEAK HOURS TO REDUCE CONGESTION NEAR ACADEMIC AND HEALTH FACILITIES.

KEY CONTACT LIST

Domain	Title	Contact Person	Contact Number	Email
Developer/Owner	Owner	Tuan Hoang	(416) 999-1122	hoanganhtuan17@gmail.com
General Contractor	L A Constructors Inc.	Laith Almasraf	(647) 287-2125	info@laconstructorsinc.com
Construction Manager	L A Constructors Inc.	Laith Almasraf	(647) 287-2125	info@laconstructorsinc.com
Emergency Contact	L A Constructors Inc.	Laith Almasraf	(647) 287-2125	info@laconstructorsinc.com





KEY PLAN

NO.	DESCRIPTION	DATE
00.	ISSUED FOR APPROVAL	2025-10-27

REVISION

Orientation

Project North

2024-111

LICENSED PROFESSIONAL ENGINEER
A. MUNEEB
100553264
PROVINCE OF ONTARIO
2025-10-27

Consultant

ORBIT ENGINEERING
Consulting Engineers
9-1900 Clark Boulevard, Brampton, ON, L6T 0E9

Project Location:

79 COLUMBIA STREET , WATERLOO

Drawing

CONSTRUCTION MANAGEMENT PLAN

Drawn By	TSM
Checked by	HM
Project Number	2024-111
Scale	1:100
Date	2025-10-27

Drawing Number

C-105

GENERAL NOTES:

1. THE INFORMATION AND CONTACT DETAILS FOR THE OWNER, GENERAL CONTRACTOR AND EMERGENCY CONTACT SHALL BE DISPLAYED ON THE SITE ACCESS GATE, SITE OFFICE, PARKING AND ON OTHER PROMINENT LOCATIONS OF THE PROJECT SITE AS PER REGION OF WATERLOO STANDARD AND INSTRUCTIONS.
2. THE HOURS OF OPERATIONS WILL BE FROM 07:00 A.M TO 06:00 P.M FROM MONDAY TO FRIDAY.
3. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVINCIAL & FEDERAL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
4. THE CONTRACTOR WILL ENSURE NO OR MINIMUM IMPACT ON THE MUNICIPAL ROADS AND WALKWAYS.
5. PEDESTRIAN TRAFFIC SHALL BE SEPARATED FROM VEHICULAR TRAFFIC BY A F-TYPE CONCRETE BARRIER.
6. CONTRACTOR/VISITORS SHALL PARK THE VEHICLES INSIDE THE CONSTRUCTION SITE OR IN DESIGNATED PARKING SPACE. NO ON-STREET PARKING WILL BE ALLOWED.
7. CONSTRUCTION GATES WILL REMAIN UNLOCKED AT ALL TIMES WHEN WORKERS ARE ON SITE SO AS ALLOW ACCESS FOR EMERGENCY RESPONSE UNITS.
8. THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR AND PAY FOR ANY AND ALL DAMAGES INCURRED DUE TO TEMPORARY ENCROACHMENTS INCLUDING, BUT NOT LIMITED TO:
   A. RIGID FENCE AND SCAFFOLDING HOLES REINSTATED WITH CONCRETE TO EXISTING CONDITIONS OR BETTER.
   B. DAMAGED SIDEWALKS, CURBS, SODDING, AND OTHER PUBLIC ELEMENTS REINSTATED TO EXISTING CONDITIONS OR BETTER.
   C. CRACKED ASPHALT WITHIN THE ENCROACHMENT AREAS REPAIRED USING HOT RUBBER (OR APPROVED EQUIVALENT).
   D. ANY CITY'S OWNED INFRASTRUCTURE THAT IS DAMAGED AS A RESULT OF CONSTRUCTION IS TO BE COMPLETELY REMOVED AND REINSTATED AS PER CITY'S APPLICABLE STANDARDS & SPECIFICATIONS.
9. TREE PROTECTION FENCE SHALL BE INSTALLED ON THE DRIP LINE AND SIGNAGE AS PER CITY'S STANDARD SHALL BE INSTALLED ON THE FENCE.
10. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REGULARLY INSPECT THE CONSTRUCTION FENCING TO ENSURE ITS CONTINUED STRUCTURAL INTEGRITY.
11. THE CONSTRUCTION SITE TO BE DECLARED AS NON-SMOKING AREA.
12. THE CONSTRUCTION MATERIALS WILL BE PROTECTED (COVERED, RESTRAINED, AND OTHERWISE CONTROLLED) IN ORDER TO PREVENT ANY IMPACT ON THE ENVIRONMENT.
13. SITE ACCESS LOCATIONS SHALL BE MONITORED CONTINUALLY AND CLEANED WHEN NECESSARY.
14. CLEARING OF SNOW TO BE MONITORED AND CLEARED AS NECESSARY.
15. TRANSLUCENT DUST PROTECTION TO BE USED ON FENCING.
16. WHERE AN ACTIVITY IS REQUIRED THAT CAUSE INTERRUPTION TO THE NEIGHBORING RESIDENTS/BUSINESSES, A DRAWING OF THE AFFECTED AREA ALONG WITH INTERRUPTION NOTICE SHALL BE SUBMITTED FOR APPROVAL.A LIST OF POTENTIALLY AFFECTED RESIDENCE/BUSINESSES SHALL BE INCLUDED AND REVIEWED BY PUBLIC WORKS SERVICES OF THE CITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER/DESIGNATED WORKFORCE TO PROVIDE A MINIMUM FORTY-EIGHT(48)-HOUR NOTICE TO ANY AFFECTED UNITS UPON APPROVAL BY THE CITY.
17. ALL THE EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS PER REGION OF WATERLOO'S STANDARDS BEFORE THE START OF THE CONSTRUCTION ACTIVITY.
18. THE CONTRACTOR SHALL PROVIDE A TRAFFIC MANAGEMENT CONTROL PLAN IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT (OHSA) AND REGULATIONS BEFORE STARTING THE CONSTRUCTION ACTIVITY.
19. OWNER TO COMMISSION AN EXISTING CONDITION SURVEY TO DOCUMENT CONDITION OF BOULEVARD AND TOWN PROPERTY AND ADJACENT PROPERTIES WITHIN THE ZONE OF VIBRATION INFLUENCE. SURVEY TO INCLUDE PHOTOS. A COPY TO BE PROVIDED TO TOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION.
20. DURING EARTHWORKS A STREET SWEEPER SHALL BE ON SITE FULL-TIME. ROADS TO BE LEFT IN A SWEPT CONDITION AT THE END OF EACH WORKING DAY. A NOTE SHALL BE ADDED TO THE DRAWING.
21. THE OWNER MUST ARRANGE A PRE-CONSTRUCTION MEETING WITH THEIR CONTRACTOR AND TOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION.
22. DURING CONSTRUCTION ALL VEHICLES ASSOCIATED WITH THIS DEVELOPMENT ARE TO PARK ON SITE. NO-OFFSITE PARKING PERMITTED.
23. OWNER TO COMMISSION AN EXISTING CONDITION SURVEY TO DOCUMENT CONDITION OF BOULEVARDS AND TOWN PROPERTY AND ADJACENT PROPERTIES WITHIN THE ZONE OF VIBRATION INFLUENCE. SURVEY TO INCLUDE PHOTOS. A COPY TO BE PROVIDED TO TOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION.
24. DURING EARTHWORKS A STREET SWEEPER SHALL BE ON SITE FULL-TIME. ROADS TO BE LEFT IN A SWEPT CONDITION AT THE END OF EACH WORKING DAY.
25. THE OWNER MUST ARRANGE A PRE-CONSTRUCTION MEETING WITH THEIR CONTRACTOR AND TOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION.

LEGEND

	CATCH BASIN PROTECTION
	TREE PROTECTION FENCE
	CONSTRUCTION FENCE
—SF—	SILT FENCE
	LOT BOUNDARY