CONNECTIONS

1. **SANITARY:**
   A) **SINGLE AND DOUBLE MIN. 125mm DIA** PVC SDR-28.
   B) CONNECTIONS TO SEWER TO BE MADE WITH MANUFACTURED TEE OR WYE WHERE APPLICABLE AND SHALL BE COLOUR CODED AS **NON-WHITE**, OR AS PER **C.M. STDS. 2115.050 & R.P. STDS. 2-4-1 TO 2-4-3.**
   C) SANITARY SERVICE SHALL BE LOWER THAN AND TO THE **RIGHT** OF THE STORM SERVICE AT THE PROPERTY LINE WHEN FACING THE LOT FROM THE STREET.
   D) SERVICE CONNECTION TO LOT LINE SHALL BE VISIBLY MARKED BY A 1.8m - 50mm x 100mm WOOD STAKE BURIED 1.0m AND PAINTED **RED**.
2. **STORM:**
   A) **SINGLE AND DOUBLE MIN. 150mm DIA** CONC. CLASS 3 OR PVC SDR-28.
   B) CONNECTIONS TO SEWER **450mm DIA** AND LESS TO BE MADE WITH MANUFACTURED TEE OR WYE WHERE APPLICABLE AND SHALL BE COLOUR CODED AS **WHITE**, OR AS PER LOCAL STANDARDS.
   C) STORM SERVICE SHALL BE ON THE **LEFT** SIDE SIDE OF THE SANITARY CONNECTION WHEN FACING THE LOT FROM THE STREET.
   D) SERVICE CONNECTION TO LOT LINE SHALL BE VISIBLY MARKED BY A 1.8m - 50mm x 100mm SCREEN STAKE BURIED 1.0m AND PAINTED **GREEN AND/OR WHITE.**
   E) ALL "BOOT JACKS" AND "Y"'S ARE TO BE CAST IRON FOR STORM HOUSE CONNECTIONS.
3. **WATER:**
   A) SERVICE CONNECTIONS TO BE **20mm DIA TYPE 'K' SOFT COPPER** TUBING UNLESS OTHERWISE NOTED AND AS PER **R.P. STD. 1-7-1 & C.M. STDS. 2115.010 TO 2115.040.**
   B) SERVICE CONNECTION TO BE VISIBLY MARKED BY 1.8m - 50mm x 100mm WOOD STAKE BURIED 1.0m AND PAINTED **BLUE.**

ROADS

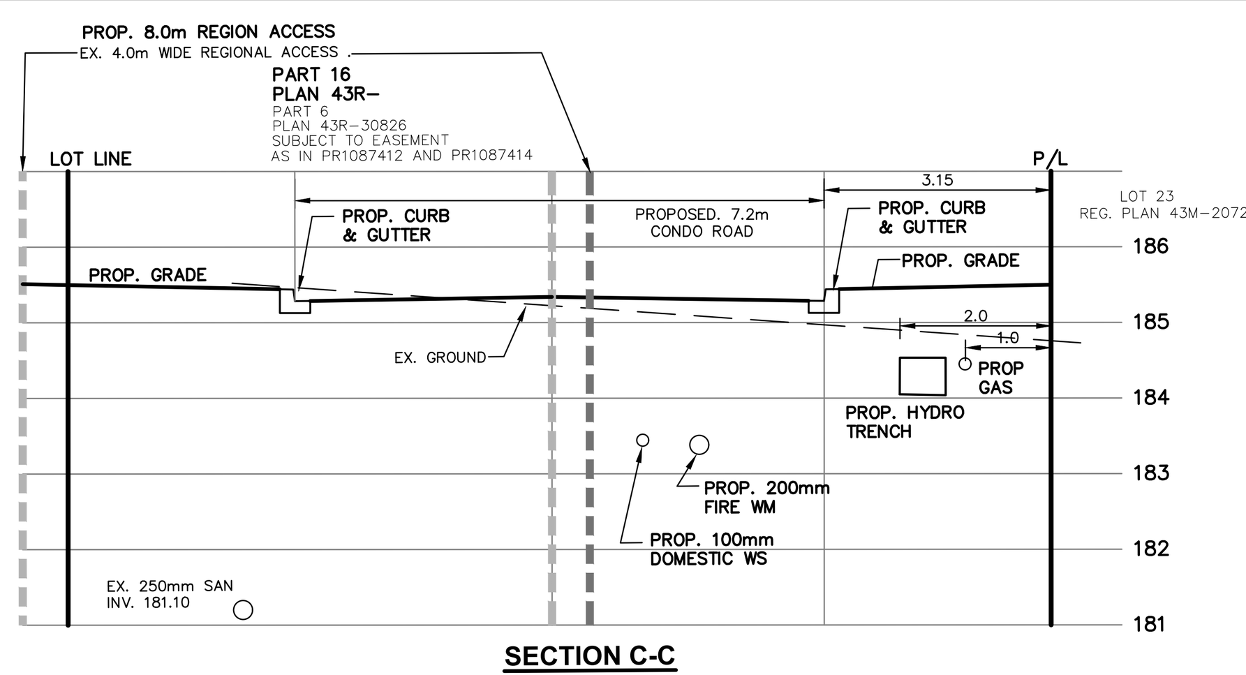
1. ALL FILL WITHIN ROAD ALLOWANCE AND EASEMENTS TO BE COMPACTED TO MIN **95%** STANDARD PROCTOR DENSITY. THE SUITABILITY AND COMPACTION OF ALL FILL MATERIALS TO BE CONFIRMED BY A RECOGNIZED SOIL CONSULTANT TO THE CITY ENGINEER AND THE SUBGRADE OF ALL ROADWAYS SHALL BE PROOF ROLLED UNDER THE SUPERVISION OF THE SOILS CONSULTANT PRIOR TO THE INSTALLATION OF ANY ROAD BASE MATERIALS.
2. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. LOCATION OF EXISTING UTILITIES, WATERMAINS, SEWERS AND OTHER UNDERGROUND OR ABOVEGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR MUST EXAMINE THE ACCURACY OF SUCH EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN OR NOT AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM. ANY DISCREPANCIES TO LOCATION OF EXISTING WATERMAINS AND SEWERS TO BE RECTIFIED AT DEVELOPER/ CONTRACTOR'S EXPENSE.
3. THE DEVELOPER/CONTRACTOR MUST ENSURE THAT A SUBGRADE CERTIFICATE IS ISSUED BY THE GEOTECHNICAL SOILS CONSULTANT TO THE ENGINEER. ONLY UPON VERIFICATION AND APPROVAL OF THE SUBGRADE BY THE LOCAL AUTHORITY INSPECTION DEPARTMENT WILL COMMENCEMENT OF ANY ROAD BASE MATERIALS BE PLACED. FAILURE TO FOLLOW THIS PROCEDURE WILL MEAN THE REMOVAL OF ROAD BASE MATERIALS AND/OR ADDITIONAL TESTING THAT PROPER COMPACTION HAS BEEN ACHIEVED AT THE SUBGRADE AT DEVELOPER/CONTRACTOR'S EXPENSE. - (TRENCH BACKFILLING ON ROADS) AS PROVIDED IN THE CITY'S DEVELOPMENT
4. TRENCH BACKFILLING ON PROPOSED ROADS SHALL COMPLY WITH CITY OF MISSISSAUGA **SECTION 4.02.06** REQUIREMENT MANUAL.
   a) THE TOP 1000mm OF THE SUBGRADE IS TO BE COMPACTED TO A MINIMUM **98%** OF SPD WITHIN **2%** OF THE OPTIMUM MOISTURE CONTENT.
5. ALL CONNECTIONS WITHIN PAVED PORTION OF ANY EXISTING ROAD TO BE BACKFILLED WITH UNSHRINKABLE BACKFILL MATERIAL AS PER **C.M. STDS. 2220.030, 2220.031 AND 2220.032** UNLESS OTHERWISE SPECIFIED PRIOR APPROVAL FOR OTHER BACKFILL MATERIAL HAS BEEN OBTAINED.
6. ALL OTHER EXCAVATIONS WITHIN EXISTING ROAD ALLOWANCE SHALL BE BACKFILLED TO SUBGRADE ELEVATION WITH GRANULAR 'C' MATERIAL AND COMPACTED TO A MINIMUM OF **95%** STANDARD PROCTOR DENSITY. SURFACE RESTORATION SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITION IN ACCORDANCE WITH **O.P.S.S. 507**
7. CURB TO BE AS PER **C.M. STD. 2230.010** UNLESS OTHERWISE NOTED.
8. SUBDRAIN UNDERNEATH ALL CURBS AS SPECIFIED ON PLANS ON EXISTING ROADS.
9. ALL DISTURBED AREAS WITHIN EXISTING ROAD ALLOWANCE TO BE REINSTATED WITH TOPSOIL AND SOD TO THE SATISFACTION OF CITY OF MISSISSAUGA.
10. SIDEWALKS TO BE AS PER **C.M. STD. 2240.010** AND PEDESTRIAN RAMPS TO BE PROVIDED AT ALL INTERSECTIONS AS PER **C.M. STDS. 2240.020 AND 2240.030.**

STORM SEWERS

1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT MUNICIPAL STD. & SPEC.
2. BEDDING TO BE TYPE 'B' AS PER **C.M. STD. 2112.080**, UNLESS OTHERWISE NOTED.
   A) SEWER BEDDING AND COVER MATERIAL SHALL CONFORM TO **C.M. STDS. 2112.111 AND 2112.100**, UNLESS OTHERWISE NOTED.
   B) IF WATER IS PRESENT IN THE TRENCH EXCAVATION, THEN 19mm CLEAR STONE OR 6mm WASHED CRUSHED GRAVEL IS TO BE USED FOR BEDDING IN ACCORDANCE WITH **C.M. STDS. 2112.110 AND 2112.140**, RESPECTIVELY.
   C) WHERE WET OR SOFT TRENCH SUBGRADE CONDITIONS ARE ENCOUNTERED, FURTHER ON-SITE GEOTECHNICAL ASSESSMENT MAY BE REQUIRED TO DETERMINE APPROPRIATE BEDDING IN ORDER TO STABILIZE THE SUBGRADE FOR SEWER CONSTRUCTION.
3. STORM SEWERS AND CONNECTIONS **150dia**. AND SMALLER TO BE CONCRETE CL 3, OR PVC SDR-28 PIPE, UNLESS OTHERWISE LISTED.
4. STORM SEWERS AND CONNECTIONS **200dia** . AND LARGER TO BE CONCRETE CL 3, CONCRETE CL 65-D, PVC SDR 35, WITH TYPE 'B' BEDDING THROUGHOUT EXCEPT AT RISERS, UNLESS OTHERWISE NOTED.
5. ALL CATCHBASINS TO BE **OPSD. 705.010** UNLESS OTHERWISE NOTED.
6. ALL MANHOLES OR CATCHBASIN MANHOLES TO BE SUMPLESS AS PER **OPSD. 701.010**, UNLESS OTHERWISE NOTED.
7. ALL CATCHBASIN FRAME AND GRATES SHALL BE AS PER **OPSD. 400.02**.
8. CATCHBASIN LEADS TO BE: **SINGLE - 250dia, DOUBLE - 300dia** UNLESS OTHERWISE NOTED.

NOTES

1. ALL ROOF DOWNSPOUTS FROM EAVESTROUGH TO DISCHARGE ONTO SURFACE AND THE RUNOFF DIRECTED TOWARDS THE REAR WHERE POSSIBLE AND TO THE ROAD.
2. ROOF DOWNSPOUT IS LOCATED IN SUCH A MANNER AS TO DIRECT DRAINAGE AWAY FROM WALKWAYS, DRIVEWAYS OR PATIO AREAS.
3. FOUNDATION DRAINS TO HAVE SUMP PUMP FITTED WITH BACKWATER VALVE AND DISCHARGE ONTO SURFACE AND DIRECTED TO THE ROAD.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS TO VERIFY IN THE FIELD, THE EXACT SIZE AND INVERTS OF THE EXISTING W/S, SANITARY CONNECTION AND TO REPORT THEM TO THE ENGINEER.
5. CONTRACTOR TO MATCH EXISTING GRADES ALONG PROPERTY LINE.
6. APPLICANT / BUILDER IS TO BE ADVISED THAT THE EDGE OF ALL DRIVEWAYS MUST HAVE **1.20m** CLEARANCE BETWEEN IT AND THE EDGE OF ANY ABOVEGROUND UTILITIES.
7. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR IS TO OBTAIN A ROAD CUT PERMIT FOR INSTALLATION OF ANY STORM, SANITARY AND/OR WATERSERVICE CONNECTIONS.
8. IF DURING CONSTRUCTION ANY **SEPTIC SYSTEM** IS DISCOVERED, THE SYSTEM MUST BE DECOMMISSIONED REMOVED IN ACCORDANCE WITH ALL APPLICABLE GUIDELINES AND REGULATIONS.



SECTION C-C
TYPICAL COMMON ELEMENT ROAD CROSS-SECTION
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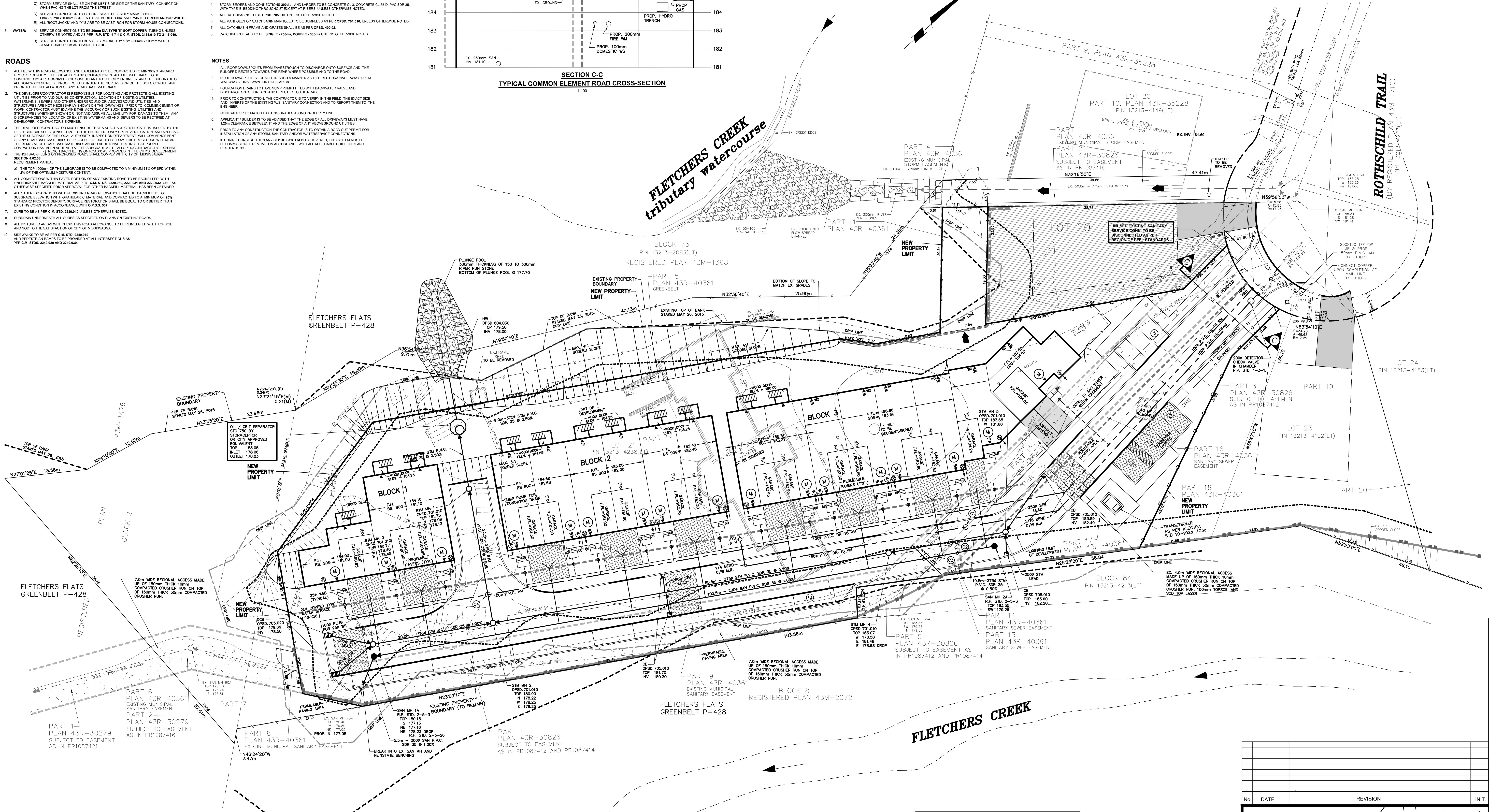


CONDOMINIUM PAVEMENT DESIGN		
HEAVY DUTY	40mm	COMPACTED DEPTH OF HL3 ASPHALT
	85mm	COMPACTED DEPTH OF HL8 ASPHALT
	200mm	COMPACTED DEPTH OF 20mm CRUSHER-RUN LIMESTONE
	300mm	COMPACTED DEPTH OF 50mm CRUSHER-RUN LIMESTONE
TOTAL	625mm	TOTAL CONSTRUCTION DEPTH

CROSSINGS

C1	WM INV	181.55
	SAN OBV	180.34
C2	STM INV	182.63
	SAN OBV	180.29
C3	EX. SAN INV	179.98
	PROP. SAN OBV	179.36
C4	WM INV	179.00
	STM OBV	178.58

WATERMAIN CONSTRUCTION ON ROTHSCHILD TRAIL AS PER REGION OF PEEL APPROVED FILE Z44.307

NOTE:
FOR ADDITIONAL INFORMATION, DETAILS, DIMENSIONS AND CONFORMITY TO THE SITE PLAN, THE CONTRACTOR MUST REFER TO THE ARCHITECTURAL SITE PLAN PREPARED BY: RN DESIGN

LEGEND

- PROPOSED CATCHBASIN
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- SUMP PUMP
- OVERLAND FLOW ROUTE

SITE DATA

ZONING	RESIDENTIAL
SITE AREA	0.9287 ha
ROOF AREA	0.1939 ha
LANDSCAPE AREA	0.5868 ha
PAVED/CONCRETE AREA	0.1480 ha
LAND DEDICATION	0.2600 ha

NOTES
SITE PLAN

1. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION AND IF ANY DISCREPANCIES EXIST, CONTRACTOR IS TO NOTIFY THE ENGINEER.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE STREETLINES MUST BE LOCATED BY ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION.
3. AT ALL ENTRANCES TO THE SITE THE MUNICIPAL CURB AND SIDEWALK WILL BE CONTINUOUS THROUGH THE DRIVEWAY. THE DRIVEWAY GRADE WILL BE COMPATIBLE WITH THE EXISTING OR FUTURE SIDEWALK AND CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE.
4. SIDEWALKS DEPTHS TO BE INCREASED TO MINIMUM **180mm** DEPTH FOR DRIVEWAYS.
5. TOPSOIL IN FILL AREA TO BE STRIPPED AND CLEAN FILL TO BE PLACED AND COMPACTED TO **95%** STANDARD PROCTOR DENSITY.
6. ALL GRADES TO BE WITHIN 33% MAXIMUM SLOPE AT PROPERTY LINE AND WITHIN THE SITE.
7. SPREAD PATTERN OF EXTERIOR LIGHTING SHALL NOT INFRINGE ON THE ADJACENT PROPERTY.
8. ALL UNDERGROUND SERVICE MATERIALS AND INSTALLATIONS TO BE IN ACCORDANCE WITH THE LATEST LOCAL MUNICIPALITY STANDARDS AND CODES, AND O.B.C.
9. THE BUILDING SITED ON THIS PLAN HAS BEEN DESIGNED UTILIZING CONTROLLED FLOW ROOF DRAINS IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
10. ALL SURFACE DRAINAGE SHALL BE SELF CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
11. CONTINUOUS CONCRETE CURB BETWEEN LANDSCAPE AREAS AND ASPHALT PAVING.

FIRE DEPARTMENT

1. FIRE ROUTE WILL BE DESIGNATED AS PER CITY OF MISSISSAUGA **BYLAW (1036-81)** AS AMENDED PRIOR TO OCCUPANCY OF THE BUILDINGS.
2. FIRE ROUTES TO BE DESIGNED TO WITH STAND A LOAD NOT LESS THAN **11,363Kg**. PER AXLE AND HAVE A CHANGE IN GRADIENT OF NOT MORE THAN **1 IN 12.5** OVER A DISTANCE **15.0m** AS PER **BY LAW 1036-81.**
3. ALL **12.0m** TURNING RADII HAVE MIN. CLEARANCE OF **3.0m** BETWEEN THE CENTRE LINE OF TURNING RADII AND ANY CURB OR PART OF BUILDING.
4. PRIVATE FIRE HYDRANTS SHALL BE FLOW TESTED AND COLOUR CODED IN CONFORMANCE WITH THE REGION OF PEEL "UNIFORM MARKING OF HYDRANTS".

SANITARY SEWERS

1. ALL SANITARY SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT REGION OF PEEL STD. & SPEC.
2. SANITARY CONNECTIONS **200dia**. AND LESS TO BE PVC SDR-28.
3. SANITARY SEWERS AND CONNECTIONS **250dia**. AND LARGER TO BE PVC SDR-35 ASTM D3034-81 WITH TYPE 'B' BEDDING THROUGHOUT EXCEPT AT RISERS, UNLESS OTHERWISE NOTED.
4. ALL MANHOLES TO BE **R.P. STD 2-5-3**, UNLESS OTHERWISE NOTED.

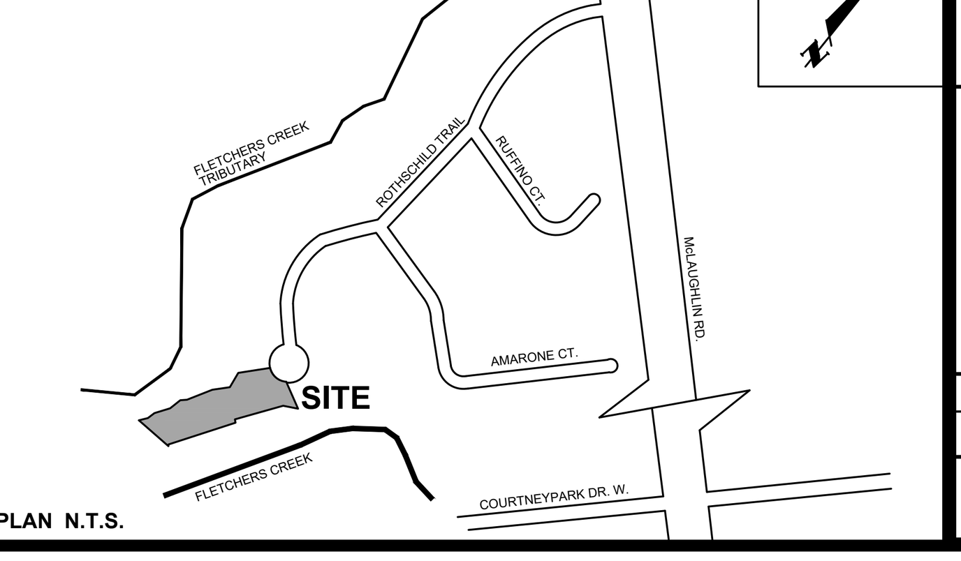
WATERMAINS

1. PUBLIC AND PRIVATE SERVICES, APPURTENANCES, MATERIALS AND CONSTRUCTION METHODS MUST COMPLY WITH THE MOST CURRENT REGION OF PEEL STANDARDS AND SPECIFICATIONS. THE LOCAL MUNICIPALITY'S REQUIREMENTS FOR THE ONTARIO BUILDING CODE AND ONTARIO PROVINCIAL STANDARDS. ALL WORKS SHALL ADHERE TO ALL APPLICABLE LEGISLATION , INCLUDING REGIONAL BY-LAW
2. WATERMAIN AND/OR WATER SERVICE MATERIALS **100dia** (4"). AND LARGER MUST BE **P.V.C. DR-18** CONSTRUCTED AS PER **AWWA C900-16**, SIZE 50dia (2") AND SMALLER MUST BE **TYPE 'K' SOFT COPPER** CONSTRUCTED AS PER **ASTM-B88-49** OR **POLYETHYLENE** CONSTRUCTED AS PER **AWWA C901** AND **CSA B. 137.10** (CHOOSE ONLY ONE MATERIAL).
3. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF **1.7m** (5'6") WITH A MIN. HORIZONTAL SPACING OF **1.2m** FROM THEMSELVES AND OTHER UTILITIES
4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50dia OUTLET ON 100dia AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100dia MINIMUM ON A HYDRANT.
5. ALL CURB STOPS TO BE **3.0m** OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
6. HYDRANT AND VALVE SET TO **R.P. STD. 1-6-1.** DIMENSION A AND B, 0.70m AND 0.90m AND TO HAVE PUMPER NOZZLE.
7. WATERMAINS TO BE INSTALLED TO GRADE AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
8. WATERMAIN MUST HAVE A MIN. VERTICAL CLEARANCE OF **0.30m OVER** OR **0.50m UNDER** SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
9. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
10. ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
11. MECHANICAL RESTRAINTS MUST BE INSTALLED ON ALL BENDS, TEES AND REDUCERS.
12. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
13. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK. WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
14. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
15. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO **R.P. STD. 1-7-7 AND 1-7-8.**
16. ALL WATER METERS MUST BE INSTALLED IN HEATED AND ACCESSIBLE SPACE.
17. PROPOSALS TO CONNECT TO AN EXISTING SERVICE LATERAL REQUIRES APPROVAL FROM THE REGION OF PEEL INSPECTOR AT CONSTRUCTION STAGE

REGISTERED PROFESSIONAL ENGINEER
ROMAN T. KERKUSZ
SEPT. 04/24
PROVINCE OF ONTARIO

C.M. BENCHMARK No. 1050 **ELEVATION: 194.056m**
DESCRIPTION: A TABLET SET HORIZONTALLY AT THE BASE OF A 750mm DIAMETER CONCRETE TRAFIC POLE AT THE SOUTHEAST CORNER OF McLAUGHLIN ROAD AND ARROWSMITH DRIVE

No.	DATE	REVISION	INIT.



KEY PLAN N.T.S.

SKIRA & ASSOCIATES LTD.
CONSULTING ENGINEERS
3464 Semenyk Court, Suite 100, Mississauga, Ontario L5C 4P8
Tel. (905) 276-5100 Fax. (905) 270-1936 Email - info@skiraconsult.ca

RN DESIGN
WWW.RNDESIGN.COM
T:905-738-3177
WWW.THEPLUSGROUP.CA

PROPOSED TOWNHOUSES

LOT 21, 22 REG. PLAN 43M-1710

6620 ROTHSCHILD TRAIL

Di BLASIO HOMES

6620 ROTHSCHILD TRAIL, MISSISSAUGA, ON L5W 0A6 TEL:(905)890-2263

MISSISSAUGA

SITE SERVICING PLAN

.

DATE: APRIL 2024	AREA: Z-44W	DWG.No. C101	
SCALE: 1:300	DRAWN BY: E.W.		
CITY FILE: OZ 19/010	REGION FILE:	PROJECT No. 224-M15	