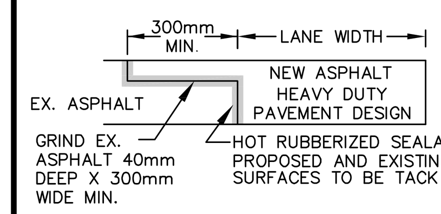
TOWN OF CALEDON
PLANNING
RECEIVED
Nov.29, 2021



MUNICIPAL PAVEMENT STRUCTURE
40mm HL3 ASPHALT
50mm HL8 ASPHALT
150mm – GRANULAR "A" OR
130mm – 19ø C.R.L.
300mm – GRANULAR "B"

ASPHALT STEP JOINT DETAIL

SCALE: NTS

STORM SEWER

1. STORM SEWER PIPES 300mm DIA. SHALL BE PVC SDR 35 CONFORMING TO C.S.A. SPECIFICATION B182.2–M1990 AND B182.4–W–992 OR LATEST REVISION THEREOF. STORM SEWER PIPES 300mm DIA. TO 450mm DIA. SHALL BE C.S.A. B182.4 RIBBED PVC. STORM SEWER PIPES LARGER THAN 450mm DIA. SHALL BE REINFORCED CONCRETE CONFORMING TO C.S.A. SPECIFICATION A57.2–M1982 OR LATEST REVISION THEREOF. PIPE JOINTS SHALL BE BY MEANS OF APPROVED RUBBER GASKETS CONFORMING TO C.S.A. SPECIFICATION A257.3–M1982 OR LATEST.
2. SEWER BEDDING AND BACKFILL FOR STORM SEWER SHALL BE AS PER O.P.S.D. 802.030 CLASS "B" WITH GRANULAR "A" BEDDING FOR CONCRETE PIPE AND 802.010 FOR PVC PIPE.
3. STORM MANHOLES TO BE 1200ø AS PER O.P.S.D. 701.010, 701.012, 701.012, 701.013 UNLESS NOTED OTHERWISE. FRAME AND COVER AS PER O.P.S.D. 401.010 TYPE "B", SAFETY PLATFORMS AS PER O.P.S.D. 404.020 AND SHALL BE INSTALLED IN MANHOLES WHERE DEPTH EXCEEDS 5.0M. STORM MANHOLE BENCHING TO BE TO OBVERT OF PIPE AND AS PER O.P.S.D. 701.021, MINIMUM 230mm IN WIDTH AND TO CROWN OR AS SPECIFIED ON DRAWINGS.
4. STREET CATCHBASINS SHALL BE AS PER O.P.S.D. 705.020 (DOUBLE) AND 705.010 (SINGLE) WITH FRAME AND GRATES AS PER O.P.S.D. 400.11 CATCHBASIN CONNECTIONS SHALL BE AS PER O.P.S.D. 708.03 SINGLE CB LEAD 200mm DIA. DOUBLE CB LEAD 250mm DIA. CATCHBASIN LEADS SHALL BE PVC SDR–35, CONFORMING TO C.S.A. SPECIFICATION B182.2 AND B182.4 OR LATEST REVISION THEREOF.
5. REAR LOT CATCHBASIN FRAME AND GRATE SHALL BE AS TOWN STANDARDS, LEADS SHALL BE CONCRETE ENCASED TO MAIN SEWER.
6. ADJUSTMENTS UNITS FOR CATCHBASINS AND MANHOLES SHALL BE AS PER TOWN STANDARDS
7. CONCRETE HEADWALLS TO BE AS SPECIFIED ON DRAWINGS WHERE THE FINISHED GRADE DIFFERENCE BETWEEN THE TOP OF HEADWALL AND PIPE INVERT IS GREATER THAN OR EQUAL TO 1.2m, HANDRAILS CONFORMING TO O.P.S.D. 915.01 SHALL BE INSTALLED ON THE HEADWALL AND WINGWALLS OR AS DIRECTED BY THE ENGINEER.
8. ORIFICE CONTROL PLATES SHALL BE NON–REMOVABLE& BOLTED TO STRUCTURES: MIN. SIZE OF ORIFICE TO BE 75mm DIA.) PIPE REDUCERS MAY BE USED INSTEAD OF ORIFICE PLATES TO CONTROL FLOW. REFER TO SERVICING DRAWINGS FOR SIZES AND LOCATIONS.
9. DROP STRUCTURES AS PER TOWN STANDARDS.
10. SUBDRAINS, CONFORMING TO OPSS 405, SHALL BE CONTINUOS BETWEEN CATHBASINS AND SHALL BE 150mm DIA. PERFORATED WRAPPED IN FILTER FABRIC.

WATERMAIN

1. WATERMAINS 150mm ID. TO 300mm DIA. SHALL BE PVC CL. 150 (DR–18) CONFORMING TO A.W.W.A. C900–89 & C.S.A. CAN3 B137.3–M1986 OR LATEST REVISION THEREOF WITH GASKETED JOINTS AND BE PROVIDED WITH 12 GAUGE SOLID COPPER TRACER WIRE.
2. UNLESS OTHERWISE INDICATED, WATER SERVICE CONNECTIONS (RESIDENTIAL) SHALL BE 20mm TYPE "K" COPPER INSTALLED AS PER O.P.S.D. 1104.01. RUBBER INDUSTRIES LTD. SADDLE NO. 266 OR APPROVED EQUAL SHALL BE USED ON ALL PVC WATERMAINS 250mm DIA. OR LESS, WATERBOXES SHALL BE INSTALLED 0.25m FROM STREETLINE WITHIN THE MUNICIPAL ROAD ALLOWANCE. WATERBOXES TO BE OF THE BALL TYPE WATERBOXES NOT TO BE LOCATED IN DRIVEWAYS.
3. A MIN. HORIZONTAL SEPARATION OF 2.5m AND A MIN. VERTICAL SEPARATION OF 0.30m BETWEEN WATERMAINS AND SEWERS MUST BE MAINTAINED IF WATERMAIN IS ABOVE SEWER OR 0.50m IF SEWER IS ABOVE WATERMAIN, OUTSIDE TO OUTSIDE OF PIPES.
4. WTAERMAIN BEDDING AND EMBEDMENT MATERIAL SHALL BE GRANULAR AS PER O.P.S.D. 1102.02 GRANULAR "A" TO CONFORM TO O.P.S.D. 1010.
5. ALL HYDRANTS SHALL BE AS PER O.P.S.D. 1105.01 AND SHALL HAVE PUMPER CONNECTIONS, ANCHOR TEES AND DRAIN HOLES, PROVIDES FITTING AT PUMPER CONNECTION NOZZLE.
6. ALL PLUGS, CAPS, TEES AND BENDS SHALL HAVE THRUST BLOCKS OR BE MECHANICALLY RESTRAINED, THRUST BLOCKS TO CONFORM TO O.P.S.D. 1103.01 (HORIZONTAL) AND O.P.S.D. 1103.020 (VERTICAL), RESTRAINING JOINTS AS PER STD.W–6A.
7. MINIMUM DEPTH OF COVER OVER WATERMAIN SHALL BE 1.7m MEASURED FROM THE ROAD CENTERLINE.
8. GATE VALVES SHALL BE RESILIENT SEAT VALVES WITH NON–RISING STEM, 50mm METRO TYPE OPERATING NUT OPENING COUNTERCLOCKWISE AND BE PLACED IN VALVE CHAMBERS.
9. VALVE CHAMBERS SHALL CONFORM TO TOWN STANDARDS. FRAMES AND COVERS TO CONFORM TO O.P.S.D. 401.01 TYPE "A" COVERS TO BE STAMPED "WATER". BACKFILL SHALL BE GRANULAR "B" CONFORMING TO O.P.S.S. 101.
10. COMMERCIAL VALVE CHAMBERS SHALL CONFORM TO TOWN STANDARDS COMPLETE WITH CHECK VALVE.
11. 50mm BLOWOFFS SHALL BE AS PER TOWN STANDARDS.
12. DUCTILE IRON FITTINGS SHALL BE CATHODICALLY PROTECTED. EXACT WEIGHT OF THE ANODES TO BE DETERMINED AT THE TIME OF CONSTRUCTION BY SOIL CONSULTANT.
13. RETRAINED JOINTS TO BE INSTALLED WHERE WATERMAIN IS CONSTRUCTED IN FILL AREAS. REFER TO PLAN AND PROFILE DRAWINGS.

SANITARY SEWER

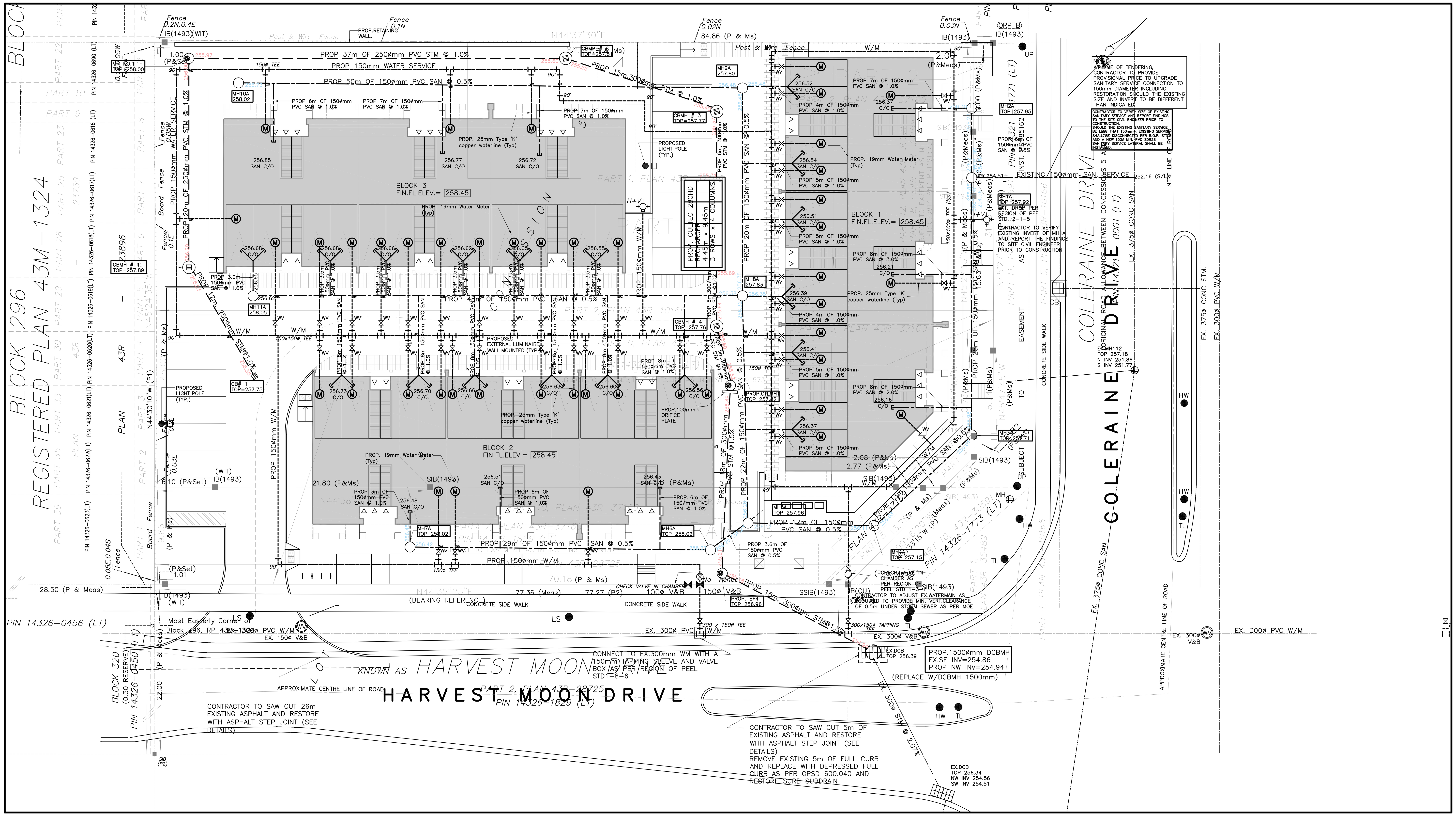
1. SANITARY MANHOLES AS PER O.P.S.D. 1001.010 WITH FRAMES AND COVERS AS PER O.P.S.D. 401.01 TYPE "A" SANITARY MANHOLE TOPS TO BE STAMPED "SANITARY".
2. SANITARY SEWER PIPES SHALL BE PVC OR CONCRETE AND AS SHOWN ON DRAWINGS, PVC PIPE SHALL BE SDR–35 CONFORMING TO C.S.A. SPECIFICATION B182.2–M1990 AND B182.4–M1992 OR LATEST REVISION THEREOF, 300mm DIA. AND SMALLER CONCRETE PIPES TO BE NON–REINFORCED EXTRA STRENGTH CONFORMING TO C.S.A. SPECIFICATION A257.1–M1982 OR LATEST REVISION THEREOF.
3. BEDDING FOR PVC SANITARY SEWERS TO BE AS PER O.P.S.D. 802.010 WITH GRANULAR "A" BEDDING AND O.P.S.D. 802.030 CLASS "B" WITH GRANULAR "A" BEDDING FOR CONCRETE PIPES.
4. BENCHING TO BE AS PER O.P.S.D. 1004.01 WITH MINIMUM WIDTH OF 230mm OR AS SPECIFIED ON DRAWINGS.
5. SAFETY PLATFORMS TO BE AS PER O.P.S.D. 404.020 AND TO BE INSTALLED IN MANHOLES WHERE DEPTH EXCEEDS 5.0m.
6. DROP STRUCTURES SHALL BE AS PER O.P.S.D. 1003.01 OR 1003.02.
7. SANITARY SERVICE CONNECTIONS (RESIDENTIAL) SHALL BE SINGLE 125mm GREEN PVC SDR–28 PIPE AS PER TOWN STD, O.P.S.D. 1006.02 SERVICE CONNECTIONS TO TERMINATE AT STREETLINE, 50mm X 100mm MARKER STAKES TO BE INSTALLED AT THE END OF ALL SERVICE CONNECTIONS, MARKER STAKES ARE TO EXTEND TO MIN. 1.2m ABOVE PRE–GRADE ELEVATIONS AND TO BE SUITABLY MARKED SAN OR BE COLOUR PAINTED AS DIRECTED BY THE ENGINEER.
8. RISERS ARE REQUIRED ON ALL SANITARY CONNECTIONS WHERE COVER ON MAIN SEWER EXCEEDS 4.5M AS PER O.P.S.D. 1006.02 MODIFIED TO PROVIDE HL8 GRADED LIMESTONE BEDDING MATERIAL MAXIMUM 3.0m IN DEPTH OR AS APPROVED BY THE TOWN.

REGION OF PEEL – ADDITIONAL NOTES

1. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
2. 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 HIS WORK. WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
3. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO 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.

SITE PLAN LEGEND:

202.00	MAINTAIN EXISTING GRADE
202.00	NEW SPOT ELEVATION
200.00	EXISTING SPOT ELEVATION
(xxx.xx)	EXISTING BOUNDARY ELEVATION
1.8%	SURFACE DRAINAGE
	CONC. CURB
	CONC. TOE WALL
	PROPERTY LINE
H+V	HYDRANT & VALVE
CB	CATCH BASIN
MH	STORM MAINTENANCE HOLE
CBMH	CATCH BASIN/MAINTENANCE HOLE
SAN	SANITARY MANHOLE
TC	TOP OF CURB
BC	BOTTOM OF CURB
H.PT	HIGH POINT
	LIGHT STANDARD
	STORM WATER STORAGE
	SILTATION CONTROL FENCE
	OVERLAND FLOW ROUTE
MC	METER CHAMBER
CVC	CHECK VALVE CHAMBER
PVC	PROTECTUS III VALVE CHAMBER



SITE SERVICING PLAN

1 / SW2

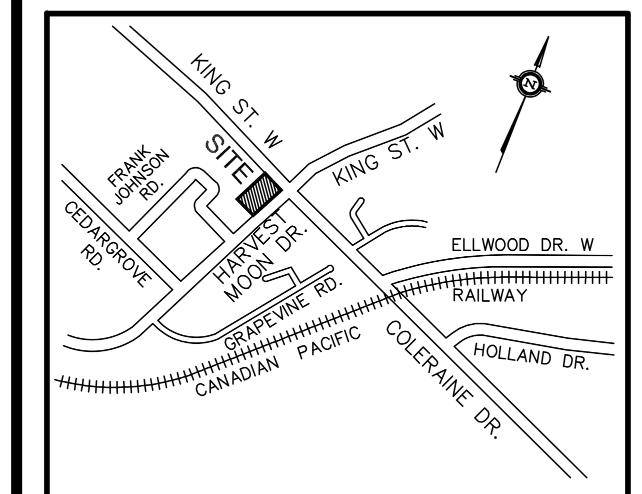
SCALE: 1:200

THE GENERAL CONTRACTOR SHALL REPORT AND VERIFY ALL DIMENSIONS AND REPORT ERRORS AND OMISSIONS TO THE ARCHITECT.

DRAWINGS MUST NOT BE SCALED.

THIS DRAWING SHALL NOT BE USED FOR CONSRUCTION PURPOSES UNLESS COUNTERSIGNED BY: _______________

No.	Date:	Revision:	D'wn.	Ch'd.
1.	08/23/2021	ISSUED FOR SPA	N.R.	S.S.



KEY PLAN

SCALE: N.T.S.

LEGAL DESCRIPTION:
PART 2–SUBJECT TO EASEMENT IN GROSS AS IN INST. No. PR1070814 AND SUBJECT TO EASEMENT FOR ENTRY AS IN INST. No. PR1191573
PART 3–SUBJECT TO EASEMENT FOR ENTRY AS IN INST. No. PR1191573

PLAN OF SURVEY OF
PART OF LOT 9, CONCESSION 5
(GEOGRAPHIC TOWNSHIP OF ALBION)
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEEL

APPLICANT:
HUMPHRIES PLANNING GROUP INC.
190 PIPPIN ROAD, SUITE A
VAUGHAN, ON L4K 4X9
TEL: 905–264–7678 EXT. 244
EMAIL: rhumphries@humphriesplanning.com

OWNER:
HARVESTONE CENTRE INC.
3 BROWNING COURT,
BOLTON, ON L7E 5S6
TEL: 905–857–3266
EMAIL: vince@boltonrailings.com

ARCHITECTS / ENGINEERS:
SOSCIA PROFESSIONAL ENGINEERS INC
10376 YONGE STREET, SUITE 307
RICHMOND HILL, ON L4C 3B8
TEL: 905 237 5410
FAX: 905 237 5413
CEL: 416 704 3868
E–MAIL: hma@sosciaeng.ca

LICENSED PROFESSIONAL ENGINEER
S. SOSCIA
AUG 23, 2021
PROVINCE OF ONTARIO

SOSCIA
PROFESSIONAL ENGINEERS INC.
10376 YONGE STREET,SUITE 307
RICHMOND HILL, ON. L4C 3B8
www.sosciaeng.ca
T 905. 237. 5410
F 905. 237. 5413

Project:
PROPOSED:
STACKED TOWNHOUSE DEVELOPMENT
13656 EMIL KOLB PARKWAY
CALEDON, ONTARIO.
SPA 2021–0077

Sheet title: SITE SERVICING PLAN	Job. no. 20–007
Scale: AS NOTED	Date: AUG 2021
Drawn: N.R.	Checked: S.S.
D'wg. no.	SW2