						SA	NITARY	SEWER I	DESIGN 7	TABLE			
мн	N	NE	Е	SE	S	SW	W	NW	TOP	DIA	OPSD	COVER	COMMENTS
					_		RESIDE	NTIAL DEV	/ELOPMENT				
1A	288.49		288.23				288.25			1200	701.010	401.010	
2A	288.69				288.66					1200	701.010	401.010	
3A					289.05		289.15		292.82	1200	701.010	401.010	
4A	289.41		289.31						293.14	1200	701.010	401.010	
5A	289.69				289.66				294.37	1200	701.010	401.010	
6A		290.69			290.59				294.22	1200	701.010	401.010	
7A			290.89			290.79			294.31	1200	701.010	401.010	
8A							291.31		294.61	1200	701.010	401.010	
							СОММЕ	RCIAL DEV	/ELOPMENT	Γ			
9A	290.33			·	290.31		290.43		292.66	1200	701.010	401.010	
10A			290.71					290.81	293.06	1200	701.010	401.010	
11A	290.15				290.13		290.52		292.25	1200	701.010	401.010	
12A			290.80			290.90			292.69	1200	701.010	401.010	

CATCH BASIN TABLE												
СВ	B INV TOP		OPSD	COVER	COMMENTS							
	RESIDENTIAL DEVELOPMENT											
1	292.10	293.47	705.010	STD.503	BEEHIVE STYLE TOP							
2	291.80	293.25	705.010	STD.503	BEEHIVE STYLE TOP							
3	292.20	293.65	705.010	STD.503	BEEHIVE STYLE TOP							
4	292.60	294.05	705.010	STD.503	BEEHIVE STYLE TOP							
5	292.65	294.10	705.010	STD.503	BEEHIVE STYLE TOP							
6	292.99	294.44	705.010	STD.503	BEEHIVE STYLE TOP							
7	292.93	293.98	705.010	STD.503	BEEHIVE STYLE TOP							
8	292.87	294.32	705.010	400.010	BEEHIVE STYLE TOP							
9	292.90	294.35	705.010	400.010	EQUIPPED WITH CB SHIELD							
10	292.60	294.05	705.010	400.010	EQUIPPED WITH CB SHIELD							
11	292.60	294.05	705.010	400.010	EQUIPPED WITH CB SHIELD							
12	292.20	293.65	705.010	400.010	EQUIPPED WITH CB SHIELD							
13	292.16	293.61	705.010	400.010	EQUIPPED WITH CB SHIELD							
14	291.84	293.29	705.010	400.010	EQUIPPED WITH CB SHIELD							
15	291.81	293.26	705.010	400.010	EQUIPPED WITH CB SHIELD							
16	291.55	293.00	705.010	400.010	EQUIPPED WITH CB SHIELD							
17	291.58	293.03	705.010	400.010	EQUIPPED WITH CB SHIELD							
COMMERCIAL DEVELOPMENT												
18	291.34	292.36	705.010	400.010	EQUIPPED WITH CB SHIELD							
19	291.66	292.56	705.010	400.010	EQUIPPED WITH CB SHIELD							
20	291.67	292.57	705.010	400.010	EQUIPPED WITH CB SHIELD							
21	291.55	292.70	705.010	STD.503	BEEHIVE STYLE TOP							

#### **GENERAL NOTES**

REGULATIONS FOR CONSTRUCTION PROJECTS.

- 1. CONSTRUCTION FOR THIS PROJECT TO COMPLY WITH THE MOST CURRENT VERSION OF THE DEVELOPMENT STANDARDS, POLICIES AND GUIDELINES, PREPARED BY THE TOWN OF CALEDON INFRASTRUCTURE DEPARTMENT AND THE ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. 2. ALL PROPOSED CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND
- 3. A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING CONSTRUCTION WITHIN THE MUNICIPAL RIGHT OF WAY THE CONTRACTOR MUST CONTACT THE FOLLOWING: THE TOWN OF CALEDON PUBLIC WORKS AND ENGINEERING DEPARTMENT 905-584-2272, THE REGION OF PEEL, ENBRIDGE CONSUMERS GAS, HYDRO
- 4. ALL DRAINAGE TO BE SELF-CONTAINED AND DISCHARGED TO A LOCATION APPROVED BY THE PUBLIC WORKS AND ENGINEERING DEPARTMENT AND
- 5. SEDIMENT CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION ON THE SITE AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION
- 6. A MINIMUM OF 1.2M CLEARANCE IS TO BE PROVIDED FROM THE LIMITS OF ALL SIDEWALKS AND DRIVEWAYS TO EXISTING UTILITY STRUCTURES WITHIN THE MUNICIPAL RIGHT OF WAY. IF THIS CLEARANCE IS NOT MAINTAINED THEY SHALL BE RELOCATED AT THE APPLICANT'S EXPENSE.
- 7. STREET CURBS ARE TO BE CONTINUOUS THROUGH THE PROPOSED ENTRANCE.

16. O.P.S.D. REFERS TO ONTARIO PROVINCIAL STANDARD DRAWING.

ONE, BELL CANADA, ROGERS CABLE, FIRE AND EMERGENCY SERVICES

CONSERVATION AUTHORITY PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.

PERIOD TO THE SATISFACTION OF THE TOWN AND THE APPLICABLE CONSERVATION AUTHORITY.

- 8. MUNICIPAL SIDEWALKS SHALL BE CONTINUOUS THROUGH ALL ENTRANCES TO THE SITE AND THE CURB SHALL BE TAPERED BACK 600MM. SIDEWALKS SHALL BE COMPLETELY REMOVED AND REPLACED WITH A 180MM MINIMUM CONCRETE THICKNESS, 30MPA AND 5 TO 7% AIR ENTRAINMENT AT ALL PROPOSED INDUSTRIAL, COMMERCIAL AND INSTITUTIONAL ENTRANCES.
- 9. ANY CHANGES TO GRADES OR SERVICING FROM THE ORIGINAL APPROVED SITE PLAN MUST BE SUBMITTED BY THE ENGINEER TO THE TOWN FOR APPROVAL PRIOR TO CONSTRUCTION.
- 10. ALL BOULEVARDS TO BE RESTORED WITH 150MM MINIMUM OF TOPSOIL AND SOD TO THE SATISFACTION OF THE TOWN OF CALEDON PUBLIC WORKS AND
- 50MM HL8 ASPHALT 150MM GRANULAR 'A' 300MM GRANULAR 'B' THE CONSULTANT SHOULD REVIEW THE ABOVE WITH RESPECT TO THE EXPECTED USAGE.

11. THE MINIMUM PAVEMENT DESIGN FOR THE ASPHALT DRIVEWAY APRON WITHIN THE MUNICIPAL ROAD ALLOWANCE SHALL BE AS FOLLOWS: 40MM HL3 ASPHALT

12. ALL DIMENSIONS AND ELEVATIONS TO BE VERIFIED PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES FOUND PRIOR TO OR DURING CONSTRUCTION SHALL BE CLARIFIED WITH THE ENGINEER.

13. THE LOCATION OF ALL EXISTING UTILITIES AND SERVICES TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

- 14. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANT'S PLANS. ANY DISCREPANCIES SHALL BE CLARIFIED PRIOR TO CONSTRUCTION. INFORMATION RELATED TO DIMENSIONS FOR PRIVATE ROAD, PARKING AND SETBACKS SHALL BE TAKEN FROM THE SITE PLAN PREPARED BY the ARCHITECT.
- 15. ALL SERVICES AND APPURTENANCE MATERIAL AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE LATEST TOWN OF CALEDON, REGIONAL MUNICIPALITY OF PEEL, ONTARIO PLUMBING CODE AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS.
- 17. ALL REMOVED OR DAMAGED CURBS, SIDEWALK AND SOD RESULTING FROM SERVICE INSTALLATION SHALL BE REINSTATED BY SERVICING CONTRACTOR TO THE
- 18. ALL SEWER TRENCH BACKFILL WITHIN SITE SHALL BE NATIVE MATERIAL FREE OF ORGANIC MATERIAL AND COMPACTED TO 95% SPMDD OR AS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.

# **WATERMAINS**

- 1. ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS. 2. WATERMAIN AND / OR WATER SERVICE MATERIALS 100mm (4") AND LARGER MUST BE AWWA C-900-16 POLYVINYL CHLORIDE (PVC) DR18 INSTALLED WITH A 12 GAUGE TWH SOLID COPPER LIGHT COLOURED PLASTIC COATED TRACER WIRE BROUGHT TO THE SURFACE AT EACH VALVE BOX. SIZE 50mm (2") AND SMALLER MUST BE COPPER TYPE "K" SOFT COPPER TUBING.
- . WATERMAINS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7m (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2m (4") FROM
- 4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50mm (2") OUTLET ON 100mm (4") 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 100mm (4") DIAMETER MINIMUM ON A HYDRANT.
- 5. ALL CURB STOPS TO BE 3.0m (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
- 6. HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1. DIMENSION A AND B, 0.7m (2") AND 0.9m (3") AND TO HAVE PUMPER NOZZLE. 7. WATERMAINS TO BE INSTALLED TO GRADES AS SHOWN ON THE APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
- 8. WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.30m (12") OVER / 0.50m (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN
- 9. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM
- 10. ALL LIVE TAPPING AND OPERATION OF REGION OF WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENCE DIVISION. 11. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION

CONTROL DEVICE, CONSISTANT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION

# SANITARY SEWERS

- 1. ALL SANITARY SEWER BEDDING AS PER STD. 2-3-1.
- 2. MAINLINE SANITARY SEWER PIPE SIZE SHALL BE MINIMUM 250mm IN DIAMETER INSTALLED AT THE APPROVED DESIGN GRADE. PIPE CLASS AND APPURTENANCES AS PER REGION'S SPECIFICATIONS.
- 3. ALL SEWERS CONSTRUCTED WITH GRADES 0.5% OR LESS SHALL BE APPROVED BY THE ENGINEER AND THE AGENCY PROJECT MANAGER OR DESIGNATE AND BE INSTALLED WITH LASER AND CHECKED PRIOR TO BACKFILL.
- 4. MINIMUM SANITARY SEWER PIPE SLOPE FOR LAST LEG SHALL BE 1% AND DESIRABLE SLOPE 2%.
- 5. ALL MANHOLES SHALL BE AS PER REGION STD. DWG. 2-5-1, 2-5-2, AND 2-5-3, WITH BENCHING AS PER STD 2-5-20. SEE NOTE 9.c. FOR IN-FLOW AND
- 6. FRAME AND COVERS SHALL BE AS PER REGION STD. DWG. 2-6-1.
- 7. MANHOLE STEPS SHALL BE AS PER REGION STD. DWG. 2-6-11. 8. MANHOLES DEEPER THAN 5.0m MUST BE EQUIPPED WITH SAFETY PLATFORMS, AS PER STD 2-6-13, 2-6-14, AND 2-6-15
- 9. SANITARY SERVICE LATERALS SHALL BE MINIMUM 150mm DIAMETER. a. SANITARY SERVICE SHALL BE LOWER THAN AND TO THE RIGHT OF THE STORM SERVICE AT THE PROPERTY LINE WHEN FACING THE LOT FROM THE

- b. CONNECTIONS TO SEWERS SHALL BE MADE WITH MANUFACTURED TEES OR WYES WHERE APPLICABLE AND SHALL BE COLOUR CODED AS NON-WHITE, AS PER STD. DWG. 2-4-1, 2-4-2, AND 2-4-3.
- c. ANY SANITARY CONNECTION OR STRUCTURE LEADING TO IN-FLOW AND INFILTRATION WILL HAVE TO BE ADDRESSED AND WILL BE ENFORCED IN THE FIELD BY A REGION OF PEEL INSPECTOR.

## STORM SEWERS

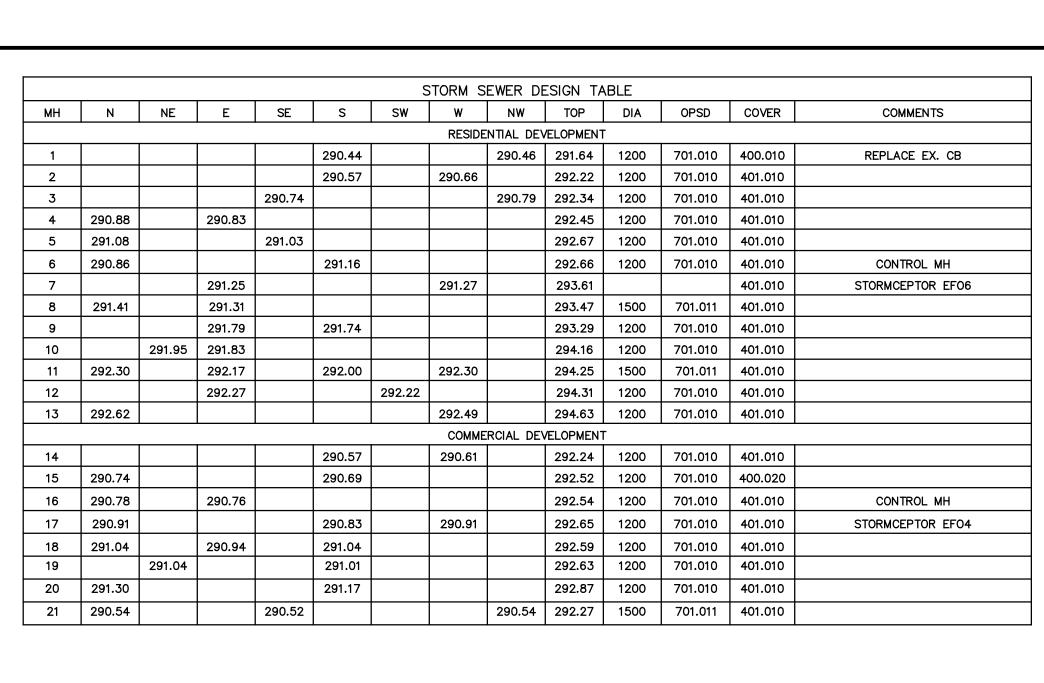
- 1. ALL STORM SEWERS 450mm DIAMETER AND LESS SHALL BE PVC DR-35 SEWER PIPE & FITTINGS IN ACCORDANCE WITH CSA B 182.2 WITH BEDDING PER O.P.S.D. 802.010. STORM SEWER 525mm DIA. AND LARGER SHALL BE REINFORCED CONCRETE PIPE 65-D, CSA A257.2 COMPLETE WITH BEDDING PER OPSD 802.030 (UNLESS OTHERWISE NOTED).
- 2. SINGLE CATCHBASINS SHALL BE IN ACCORDANCE WITH O.P.S.D. 705.01 WITH 250mm DIAMETER (UNLESS OTHERWISE SHOWN) PVC LEAD AT 1.0% MIN. DOUBLE CATCHBASIN SHALL BE IN ACCORDANCE WITH O.P.S.D. 705.02 WITH 300mm DIAMETER (UNLESS OTHERWISE SHOWN) PVC LEAD AT 1.0% MIN. FRAME AND COVER PER O.P.S.D. 400.02 (UNLESS OTHERWISE SHOWN). ALL CB LEADS TO HAVE A MINIMUM COVER OF 1.2m AND A MAXIMUM COVER OF 1.8m BELOW TOP OF COVER (UNLESS OTHERWISE SHOWN) SINGLE CATCHBASINS SPECIFIED TO HAVE 'NO SUMP' SHALL BE IN ACCORDANCE WITH CITY OF MISSISSAUGA STD
- 3. STORM CONNECTIONS SHALL BE 150mm DIAMETER, WHITE COLOUR ONLY PVC PIPE SDR-28 AT A MIN. GRADE OF 2.0% PER CITY STD. 2115.05. 4. MINIMUM CLEARANCE SHALL BE 150mm OR AS REQUIRED FOR BEDDING WHICHEVER IS GREATER. 5. CATCHBASINS AT ROAD SIDES SHALL HAVE 270 R GEOTEXTILE MATERIAL PLACED BETWEEN FRAME AND COVER TO CONTROL SEDIMENT. MAINTENANCE OF
- THE GEOTEXTILE SHALL BE ROUTINELY DONE TO ENSURE ADEQUATE DRAINAGE. 6. STORM PIPE WITH LESS THAN 1.2m COVER TO BE PROVIDED WITH INSULATION IN ACCORDANCE WITH OBC SECTION 7.3.5.4. APPENDIX A.

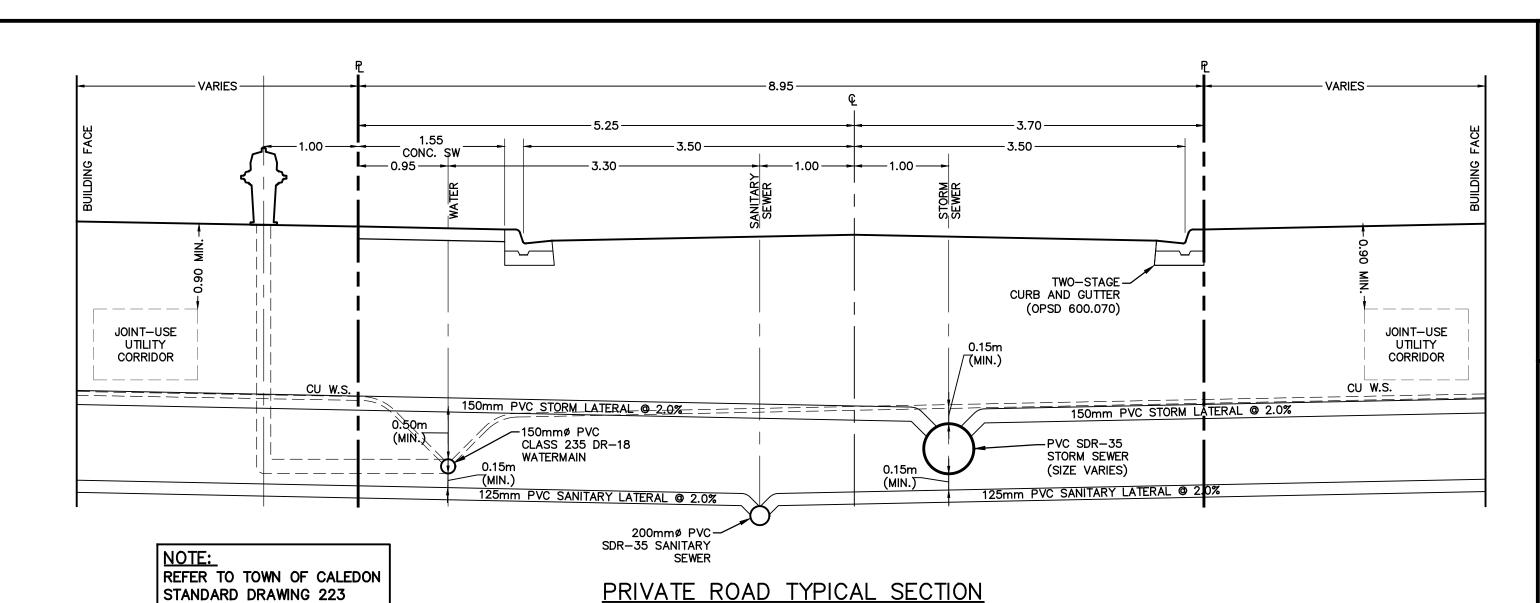
## ADDITIONAL NOTES

1. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.

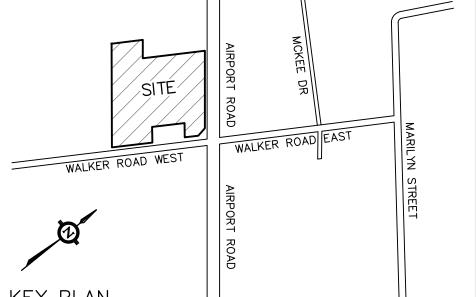
2. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK, WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME. 3. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO 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.

DRIVEWAY









PROPOSED CATCHBASIN PROPOSED DOUBLE CATCHBASIN PROPOSED CATCHBASIN MANHOLE PROPOSED STORM MANHOLE

PROPOSED SANITARY MANHOLE

PROPERTY LINE PROPOSED STORM SEWER PROPOSED SANITARY SEWER

PROPOSED FIRE HYDRANT PROPOSED VALVE & BOX PROPOSED CHECK VALVE IN CHAMBER

> PROPOSED PLUG EXISTING CATCHBASIN

PROPOSED WATERMAIN

EXISTING DOUBLE CATCHBASIN EISTING STORM MANHOLE

EXISTING SANITARY MANHOLE

TOWN OF CALEDON PLANNING RECEIVED Dec. 3, 2020

RE-ISSUED FOR REZONING APPLICATION 29/10/2019 JN RE-ISSUED FOR REZONING APPLICATION 15/03/2017 JN/ZG ISSUED FOR REZONING APPLICATION D FILE: 1599S.dwg PLOT SCALE: 1:1 PLOT DATE: Oct 13, 2020

BENCHMARK LEVATIONS ARE REFERRED TO THE TOWN OF CALEDON BENCHMARK No. 25

HAVING AN ELEVATION OF 310.64 METRES

SURVEY CREDIT TOPOGRAPHIC INFORMATION SHOWN HEREON IS OBTAINED FROM THE

TOPOGRAPHIC SURVEY (104-0-16.DWG) PREPARED BY DAVID B. SEARLES SURVEYING LTD. DATED 22 SEPTEMBER 2016.



APPROVED BY TA TRAFALGAR

#1-481 MORDEN ROAD, OAKVILLE, ON, L6K 3W6 www.trafalgareng.com RESIDENTIAL CONDOMINIUM AND

RETAIL DEVELPOMENT

SHACCA CALEDON HOLDINGS

16114 AIRPORT ROAD TOWN OF CALEDON

PRELIMINARY SERVICING PLAN

1: 400 DESIGN BY JN PROJECT No. 1599 CHECKED BY JN RAWN BY JN 2019/09/04