

LEGEND

- FINISH FLOOR ELEVATION
- NEW STORM MANHOLE
- NEW CATCHBASIN MANHOLE
- EX. STORM MANHOLE
- EX. SANITARY MANHOLE
- NEW CATCH BASIN
- EX. CATCH BASIN
- NEW WATER VALVE
- EX. WATER VALVE
- BACKFLOW PREVENTOR
- WATER METER
- NEW FIRE HYDRANT
- EX. FIRE HYDRANT
- OVERLAND FLOW PATH
- RETAINING WALL
- DRAINAGE BOUNDARY
- SUB-CATCHMENT BOUNDARY
- DRAINAGE AREA #
- SIAMOSE CONNECTION
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. WATER MAIN
- NEW STORM SEWER
- NEW SANITARY SEWER
- NEW WATER MAIN
- SILT FENCE PER OPSD 219.110
- CHAIN LINK FENCE (CLF)

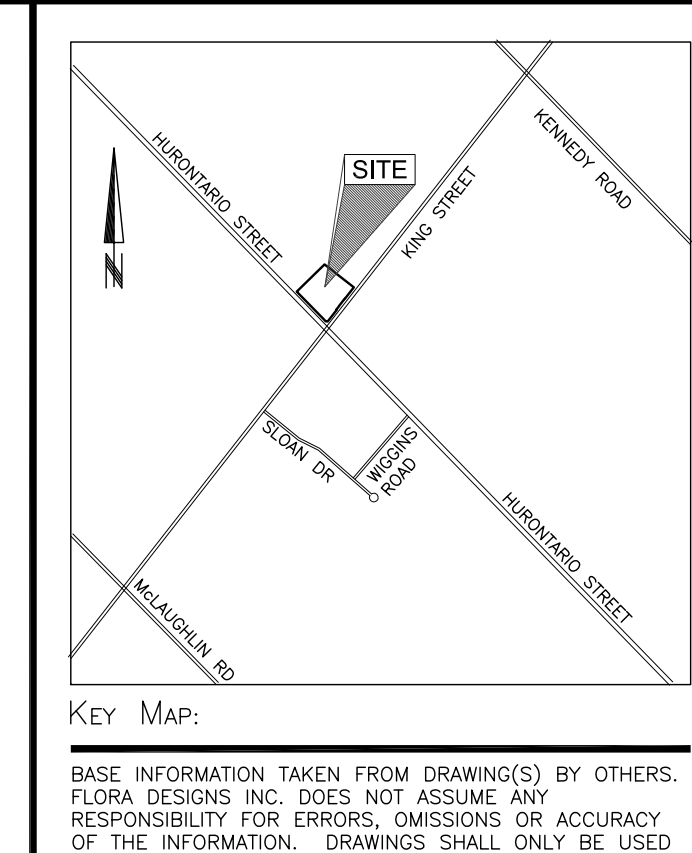
SCALE 1 : 400

SURVEYOR'S REAL PROPERTY REPORT - PART 1
PLAN OF SURVEY OF
PART OF LOT 28
CONCESSION 1
EAST OF HURONTARIO STREET
(GEOGRAPHIC TOWNSHIP OF CHINGUACOUSY)
TOWN OF CALEDON
REGIONAL MUNICIPALITY OF PEELE

BEARING NOTE
 BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE NORTHEASTERLY LIMIT OF HURONTARIO STREET, HAVING A BEARING OF N44°17'30"W ACCORDING TO PLAN 43R-30582

ELEVATION NOTE
 ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE NAD83-CRS COORDINATE SYSTEM DERIVED FROM THE GLOBAL POSITIONING SYSTEM OBSERVATIONS

SURVEY INFORMATION NOTE
 REFER TO TOPOGRAPHIC SURVEY DRAWING PREPARED BY GREATER TORONTO ACRES SURVEYING INC., ONTARIO LAND SURVEYORS, O.L.S. PROJECT # 19239 FOR SURVEY INFORMATION INCLUDING BEARING, EASEMENTS AND BENCHMARK REFERENCES.



GENERAL NOTES

- PRIOR TO STARTING ANY WORKS, THE CONTRACTOR MUST ENSURE THAT ALL NECESSARY APPROVALS IN PLACE FROM THE TOWN OF CALEDON, REGION OF PEELE, CONSERVATION AND/OR WATER SERVICE AND ALL OTHER EXTERNAL AGENCIES, AS REQUIRED.
- ALL THE CONSTRUCTION WORKS FOR THIS PROJECT SHALL CONFORM TO THE LATEST STANDARDS OF THE TOWN OF CALEDON, THE REGION OF PEELE, M.O.E. AND OPSD/OPS, ONTARIO PROVINCIAL STANDARDS MAY BE USED WHERE NO OTHER STANDARD OR SPECIFICATION IS PROVIDED BY THE LOCAL CONCERNED AUTHORITIES.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
- ALL TEMPORARY TRAFFIC CONTROL AND SIGNS DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO TRAFFIC MANUAL BOOK 7: TEMPORARY CONDITIONS FIELD EDITION.
- PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR OR DEVELOPER WILL OBTAIN ALL NECESSARY APPROVALS AND SUCH TESTS AND SUCH TESTS SHALL SHOW A MIN. COVERAGE OF 90% S.P.D. AT ALL DEPTHS.
- ANY AREAS WITHIN R.O.W. WHICH REQUIRE FILL IN EXCESS OF 300MM ARE SUBJECT TO COMPACTION TESTS AND SUCH TESTS SHALL SHOW A MIN. COVERAGE OF 90% S.P.D. AT ALL DEPTHS.
- A UTILITY CLEARANCE RADIUS OF 1.2 METERS BETWEEN THE PROPOSED DRIVEWAY ENTRANCE CURB RETURN AND ALL ABOVE AND UNDER GROUND UTILITIES MUST BE MAINTAINED.
- THE SERVICE CONNECTION TRENCH WITHIN THE TRAVELLED PORTION OF THE ROAD ALLOWANCE SHALL BE BACKFILLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ROAD OCCUPANCY / ACCESS PERMIT APPLICATION.
- ALL RESTORATIONS AND RELOCATIONS SHALL BE COMPLETED TO THE SATISFACTION OF THE TOWN OF CALEDON AND REGION OF PEELE ALL AREAS WITHIN PUBLIC RIGHT-OF-WAYS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. GRASSED AREAS SHALL BE PROVIDED WITH 200MM OF TOPSOIL AND SODDED TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
- ALL LINE LAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
- LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND 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 THE SAME.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO ONE (1) HOUR NOTICE TO ANY UTILITIES PRIOR TO CROSSING SUCH UTILITIES. FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY THE CONSTRUCTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CORRELATION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM CONFORMING TO REGION OF PEELE STANDARDS 1-7-7 OR 1-7-8.

ADDITIONAL STORM SEWER NOTES

TOWN OF CALEDON AND REGION OF PEELE STANDARD DRAWINGS AND O.P.S.D. WITH TOWN'S AMENDMENTS FOR STORM SEWERS SHALL CONSTITUTE PART OF THE ENGINEERING DESIGN AND CONSTRUCTION CONTRACT. UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE FOLLOWING MINIMUM REQUIREMENTS SHALL APPLY TO THE WORKS:

- WHERE WATER BEARING SAND OR SILT OCCURS, THE SEWER JOINTS SHALL BE LEAK-PROOF, OR WRAPPED WITH A WATER PROOF MEMBRANE TO PREVENT SUBGRADE MIGRATION THROUGH LEAKY JOINTS RESULTING FROM INADEQUATE INSTALLATION. THE NECESSITY OF IMPLEMENTING THESE MEASURES CAN BEST BE DETERMINED DURING SEWER CONSTRUCTION.
- ALL PRIVATE WATER SERVICE PIPES, VALVES AND HYDRANT SHALL BE OPERATED, REGULARLY TESTED AND MAINTAINED BY THE OWNER.
- ISOLATE SEWERS AND WATERMANS AS PER OPSD 1109.030 WHEREVER OVERTOP OF SEWER IS LESS THAN 100MM FROM FINISH GRADE AND WHEREVER OVERTOP OF WATERMAIN IS LESS THAN 1700MM FROM FINISH GRADE. WHEREVER EXCEEDS 5.0M MARKED ON PLAN VIEW OR OPSD 404.020 TO BE PERFORMED INCLUDING BEDDING AND BACKFILLING MATERIAL SHALL BE PER RECOMMENDATIONS PROVIDED BY PROJECT GEOENGINEER.
- ALL PRIVATE WATER SERVICE PIPES, VALVES AND HYDRANT SHALL BE OPERATED, REGULARLY TESTED AND MAINTAINED BY THE OWNER.
- ISOLATE SEWERS AND WATERMANS AS PER OPSD 1109.030 WHEREVER OVERTOP OF SEWER IS LESS THAN 100MM FROM FINISH GRADE AND WHEREVER OVERTOP OF WATERMAIN IS LESS THAN 1700MM FROM FINISH GRADE. WHEREVER EXCEEDS 5.0M MARKED ON PLAN VIEW OR OPSD 404.020 TO BE PERFORMED INCLUDING BEDDING AND BACKFILLING MATERIAL SHALL BE PER RECOMMENDATIONS PROVIDED BY PROJECT GEOENGINEER.
- ALL STORM MANHOLES SHALL CONFORM TO OPSD 701.010, 701.011, 701.012, 701.013, AND 701.014 WITH FRAME AND COVER AS PER OPSD 401.010 TYPE "A" CLOSED COVER STAMPED WITH "STORM".
- MANHOLE STEPS SHALL BE AS PER OPSD 405.010.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL MANHOLES OVER 3,600MM DIAMETER OR CAST-IN-PLACE MANHOLES.
- MANHOLE AND CATCHBASIN ADJUSTERS SHALL BE PER OPSD 704.010 TO A MAXIMUM DEPTH OF 0.30 M. MAXIMUM 3 ADJUSTER RINGS ALLOWED IN ANY COMBINATION OF 2", 4" & 6".
- DROP STRUCTURES FOR NEW MANHOLES SHALL BE AS PER OPSD-1003.01 AND 1003.02. DROP PIPE SHALL BE ONE SIZE LESS THAN SEWER TO A MAX. OF 450MM DIAMETER AND SHALL BE CONNECTED TO MAINLINE SEWER WITH TEE OR WYE.
- ONTARIO CONCRETE PIPE ASSOCIATION (OCPA) PRECAST CONCRETE MANHOLE BODIES SHALL BE USED, WHERE POSSIBLE.
- ALL PVC SEWER PIPES SHALL PASS A MANDREL TEST (RING TEST) TO CONFIRM THE PROPER PIPE INSTALLATION AFTER THE COMPLETION OF BACKFILLING ON THE PIPE TO THE PRESCRIBED ROAD ELEVATION AND PRIOR TO ROAD CONSTRUCTION.
- MANHOLE ADJUSTERS SHALL BE PER OPSD 704.010 TO A MAXIMUM DEPTH OF 0.30 M. MAXIMUM 3 ADJUSTER RINGS ALLOWED IN ANY COMBINATION OF 2", 4" & 6".
- DROP STRUCTURES FOR NEW MANHOLES SHALL BE AS PER OPSD-1003.01 AND 1003.02. DROP PIPE SHALL BE ONE SIZE LESS THAN SEWER TO A MAX. OF 450MM DIAMETER AND SHALL BE CONNECTED TO MAINLINE SEWER WITH TEE OR WYE.

NOV 26, 2019	ISSUED FOR SITE PLAN APPLICATION	1	CP
NOV 26, 2019	DATE DESCRIPTION		CHECKED BY
NOV 26, 2019	NOV 26, 2019		

NOTICE: Contractor is to check and verify all dimensions and conditions on the project, and is immediately report any discrepancies to the Architect and Engineer before proceeding with the work.

LICENSED PROFESSIONAL ENGINEER
 C.P. PATEL
 100136451
 Nov 26, 2019
 PROVINCE OF ONTARIO

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PROJECT:
PROPOSED TRAVEL STOP
 N-E CORNER OF HURONTARIO & KING ST., CALEDON, ON L7C 3M1

DRAWING TITLE:
SITE SERVICING & EROSION AND SEDIMENT CONTROL PLAN

DATE	ISSUED
NOV 2019	NOV 2019
JOB NUMBER	DRAWN BY
FD-018372	AT
SCALE	CHECKED BY
	CP
SHEET NUMBER	SS-1

(26x24)ARCH-01