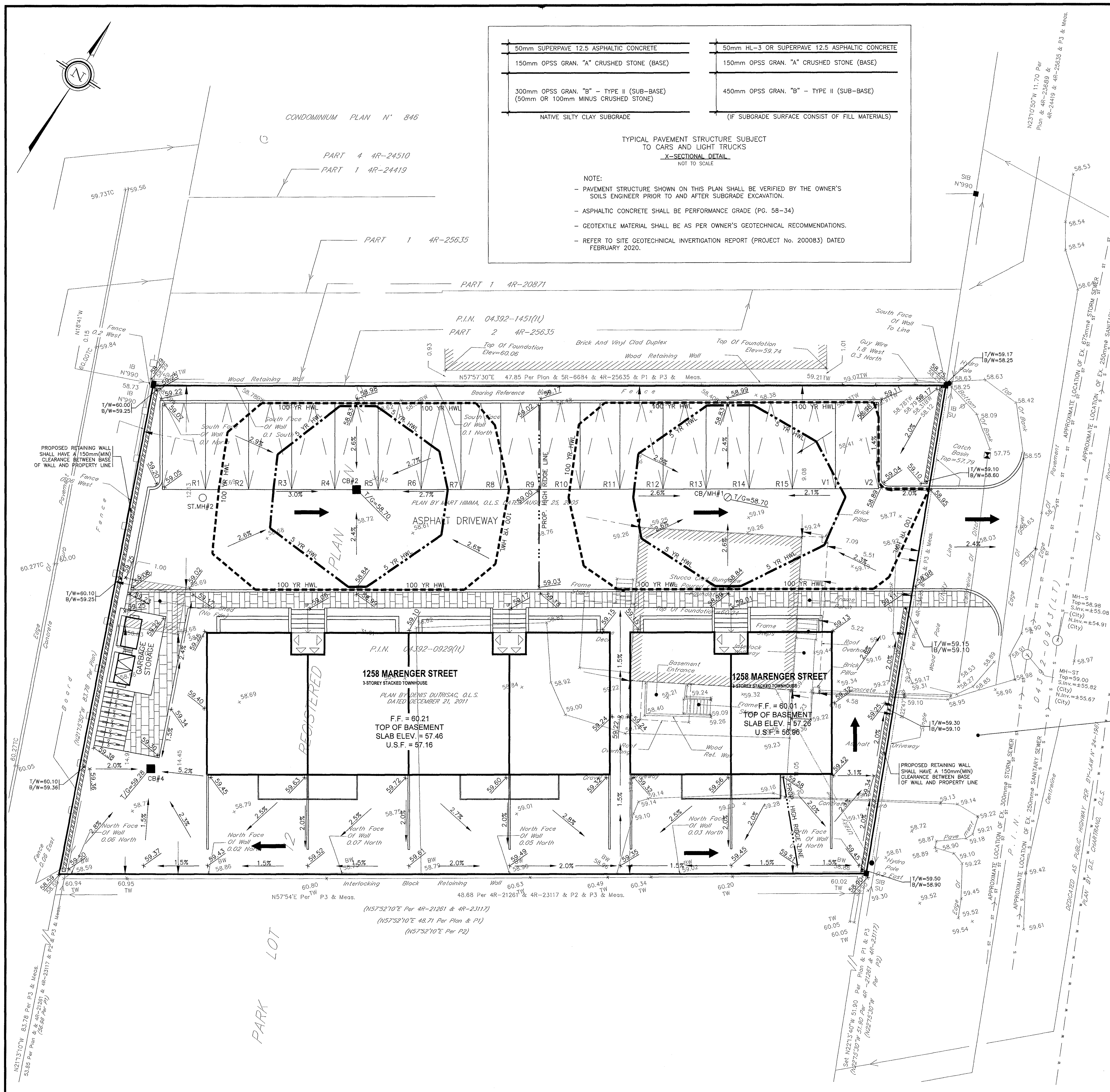


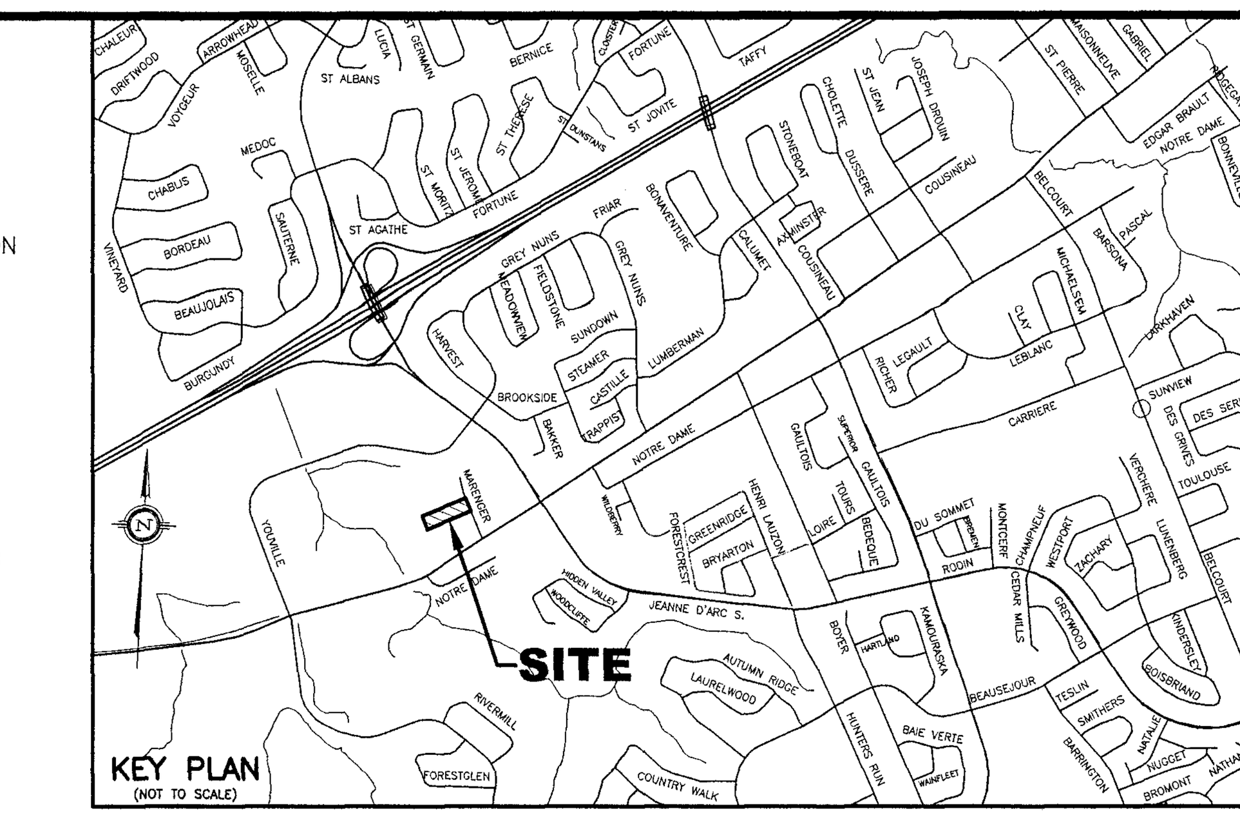
50mm SUPERPAVE 12.5 ASPHALTIC CONCRETE	50mm HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
150mm OPSS GRAN. "A" CRUSHED STONE (BASE)	150mm OPSS GRAN. "A" CRUSHED STONE (BASE)
300mm OPSS GRAN. "B" – TYPE II (SUB-BASE) (50mm OR 100mm MINUS CRUSHED STONE)	450mm OPSS GRAN. "B" – TYPE II (SUB-BASE)
NATIVE SILTY CLAY SUBGRADE	(IF SUBGRADE SURFACE CONSIST OF FILL MATERIALS)

TYPICAL PAVEMENT STRUCTURE SUBJECT TO CARS AND LIGHT TRUCKS
X-SECTIONAL DETAIL
NOT TO SCALE

NOTE:
- PAVEMENT STRUCTURE SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE OWNER'S SOILS ENGINEER PRIOR TO AND AFTER SUBGRADE EXCAVATION.
- ASPHALTIC CONCRETE SHALL BE PERFORMANCE GRADE (PG. 58-34)
- GEOTEXTILE MATERIAL SHALL BE AS PER OWNER'S GEOTECHNICAL RECOMMENDATIONS.
- REFER TO SITE GEOTECHNICAL INVERTIGATION REPORT (PROJECT No. 200083) DATED FEBRUARY 2020.

LEGEND

Symbol	Description
59.46	PROPOSED ELEVATION
× 58.89	EXISTING ELEVATION
F.F.	PROPOSED TOP OF GROUND FLOOR ELEVATION
U.S.F.	PROPOSED UNDERSIDE OF CONCRETE FOOTING ELEVATION
D/W	PROPOSED DRIVEWAY
—S—	EXISTING SANITARY SEWER
—ST—	EXISTING STORM SEWER
—W—	EXISTING WATERMAIN
———	PROPOSED 125mmø PVC SANITARY LATERAL SERVICE @ 1% (MIN.) SLOPE
— — —	PROPOSED 100mmø PVC STORM LATERAL SERVICE @ 1% (MIN.) SLOPE
—·—·—	PROPOSED 19mmø WATER SERVICE (COPPER TYPE "K")
○ MH-SAN	EXISTING SANITARY MANHOLE
○ MH-STM	EXISTING STORM MANHOLE
□ CB	EXISTING CATCH BASIN
WV	EXISTING WATER VALVE
FH	EXISTING FIRE HYDRANT
○ UP	EXISTING UTILITY POLE
—OHW—	EXISTING OVERHEAD WIRES
⊙ V&VB	PROPOSED VALVE AND VALVE BOX (V&VB)
→	PROPOSED GENERAL DIRECTION OF LOT GRADING AND SURFACE FLOW
—···—	PROPOSED HIGH RIDGE LINE
➡	PROPOSED OVERLAND FLOW ROUTE
▨	PROPOSED RETAINING WALL
T/W	PROPOSED TOP OF RETAINING WALL ELEVATION
B/W	PROPOSED BOTTOM OF RETAINING WALL ELEVATION
□	PROPOSED CATCHBASIN
○	PROPOSED STORM MANHOLE
○	PROPOSED SANITARY MANHOLE
⊘	PROPOSED CATCHBASIN MANHOLE
⊗	PROPOSED STORMCEPTOR UNIT (MODEL No. EF-4)
➡	PROPOSED OVERLAND FLOW ROUTE
- - - -	100 YR HIGH WATER LEVEL (HWL) = 58.95m
———	5 YR HIGH WATER LEVEL (HWL) = 58.85m



NOTES

1. EXISTING SERVICES AND UTILITIES SHOWN ON THIS DRAWING WERE TAKEN FROM THE BEST AVAILABLE RECORDS BUT ARE NOT COMPLETE. CONTRACTOR IS REQUESTED TO CHECK IN THE FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH AUTHORITIES AND UTILITIES TO HIS SATISFACTION BEFORE DIGGING.

2. CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY. REFER TO THE SITE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY THE OWNER'S SOILS ENGINEER KOLLAARD ASSOCIATES ENTITLED "GEOTECHNICAL INVESTIGATION" (PROJ. No. 200083) DATED FEBRUARY 2020.

3. EXISTING BUILDING AND STRUCTURE LOCATION, TOPOGRAPHICAL INFORMATION ON THIS DRAWING, GEODETIC SITE BENCHMARK, SEWER, WATERMAIN, AND MANHOLE LOCATIONS, ETC. SHOWN ON THIS PLAN WERE PROVIDED BY DUTRISAC SURVEYING INC. FILE No. OTT-162-12-11 DATED NOVEMBER 15, 2019. SANITARY AND STORM SEWER INFORMATION ALONG MARENGER STREET WERE TAKEN FROM CITY OF OTTAWA'S PLAN AND PROFILE DRAWING ENTITLED MARENGER STREET – STA. 0+00 TO STA. 6+0 (DWG. No. 3221-107 REV. 2 DATED FEBRUARY 1979) PREPARED FOR TOWNSHIP OF GLOUCESTER. CONTRACTOR SHALL FIELD SURVEY AND VERIFY THIS INFORMATION TO HIS OR HER SATISFACTION BEFORE CONSTRUCTION. T.L. MAK ENGINEERING CONSULTANTS LTD. DOES NOT TAKE ANY RESPONSIBILITY FOR THE SURVEY INFORMATION SHOWN HERE. CONTRACTOR IS ADVISED TO OBTAIN AND REVIEW TO HIS OR HER SATISFACTION THIS SURVEY/TOPOGRAPHICAL PLAN BEFORE CONSTRUCTION.

4. SITE LAYOUT AND DETAILS FOR GRADING AND SWM DESIGN WERE PROVIDED BY THE OWNER'S ARCHITECT PROJECT 1 STUDIO INC. AS DETAILED ON THEIR SITE PLAN (DWG. No. SP-01 REV. No. 1 DATED FEBRUARY 26, 2020 PROJECT No. 1929 RECEIVED ON FEBRUARY 26, 2020). BUILDING SECTION PLAN DWG. No. DATED RECEIVED FROM THE ARCHITECT ON WAS USED TO ESTABLISH THE FINISHED FLOOR, TOP OF FOUNDATION. TOP OF BASEMENT SLAB AND U.S.F. ELEVATIONS.

5. ALL GRADES SHOWN ARE GEODETIC AND METRIC (SEE DUTRISAC SURVEYING INC.'S TOPOGRAPHICAL PLAN).

6. PIPE SIZES SHOWN ON THIS PLAN ARE METRIC.

7. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY EQUIPMENT, LABOUR AND MATERIALS RELATING TO ALL CIVIL WORKS REQUIRED FOR THIS SITE AND BY THE CITY OF OTTAWA TO CONNECT INTO THE WATERMAIN.

8. ALL GRADING SHALL BE DONE TO THE SATISFACTION OF THE CITY OF OTTAWA. IF EXISTING GRADES ALONG ANY EXISTING ABUTTING PROPERTY LIMITS EXCEED THE PROPOSED GRADES ON THIS PROPERTY BY A HEIGHT DIFFERENTIAL THAT EXCEEDS TERRACING OF 3H TO 1V, THEN INSTALL A RETAINING WALL AS PER OWNER'S REQUIREMENTS.

9. CONNECTION OF THE 50mmø WATER PIPE AND 150mmø PVC HYDRANT LEAD TO THE EXISTING 150mmø WATERMAIN AT MARENGER STREET RESPECTIVELY SHALL BE BY THE CITY OF OTTAWA AND EXCAVATION, BACKFILLING AND REINSTATEMENT SHALL BE CARRIED OUT BY THE CONTRACTOR. ALL WATERWORKS TO BE CONSTRUCTED TO CITY OF OTTAWA WATER ENGINEERING STANDARDS AND SPECIFICATIONS.

10. CONSTRUCT ALL WATERMAINS, WATER SERVICES, SANITARY AND STORM SEWER SYSTEMS IN ACCORDANCE WITH CITY OF OTTAWA'S LATEST REVISED STANDARD OTHERWISE AS PER OPSS REQUIREMENT AND DONE TO THE SATISFACTION OF THE CITY.

11. BEDDING AND HAUNCHING MATERIAL FOR SEWER INSTALLATIONS TO BE GRANULAR "A" INSTALLED AND COMPACTED AS PER CITY STANDARD DETAIL DWG. No. S6 AND S7.

12. STORM AND SANITARY LATERALS (100mmø AND 125mmø) AS WELL AS THE 200mmø STORM AND SANITARY PIPE SHALL BE PVC DR-28 OR EQUIVALENT. STORM PIPE SIZE (300mmø) SHALL BE PVC DR-35. PROPOSED SANITARY AND STORM SERVICE LATERALS SHALL BE PVC DR-28 OR EQUIVALENT. CONNECTION TO EXISTING SEWER SHALL BE AS PER CITY OF OTTAWA DWG. S13. ALL WORKS SHALL BE CARRIED OUT TO SATISFACTION OF CITY OF OTTAWA.

13. ALL WATER SERVICES/MAINS SHALL HAVE 2.4m COVER (MIN.). THE 50mmø WATER SERVICE SHALL BE COPPER TYPE "K". WATER SERVICE AND WATERMAIN TRENCH DETAILS AS PER CITY OF OTTAWA W17 AND W22. THRUST BLOCK DETAILS AS PER CITY DETAIL W25.3 DATED MAY 2001. FITTINGS SHALL CONFORM TO APPROVED AWWA AND/OR CSA STANDARDS. CATHODIC PROTECTION FOR NEW WATERMAIN AND SERVICE AS PER CITY DETAIL W40 REV. DATE MARCH 2005. THE CONTRACTOR SHALL CONSTRUCT AND ENSURE THAT THE 150mm DIAMETER HYDRANT LEAD SHALL HAVE A MINIMUM OF 2.4m OF GROUND COVER. THE PROPOSED HYDRANT LEAD PIPE MATERIAL SHALL BE PVC CL-150 DR-18 AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST CITY OF OTTAWA STANDARDS.

14. IF WATER SERVICE IS LESS THAN 1.0m FROM SEWER, MANHOLE OR CATCHBASIN, CONTRACTOR IS REQUESTED TO INSULATE BETWEEN THEM WITH S/M RIGID INSULATION (SEE CITY DETAIL DRAWING No. W23).

15. SANITARY MANHOLES SHALL BE PRE-CAST TYPE (1200mmø) AS PER CITY OF OTTAWA LATEST REVISED ENGINEERING STANDARDS C/W FRAME AND COVER, INCLUDING ADJUSTMENT RINGS. THE CATCH BASIN SHALL BE 600mm x 600mm PRECAST TYPE PER OPSD 705.010 C/W FRAME AND COVER PER OPSD 400.020 INCLUDING ADJUSTMENT RINGS.

16. STORMWATER MANAGEMENT NOTES
- SEE STORM DRAINAGE REPORT No. R-819-98 DATED JUNE 2020 ALSO FOR DETAILS.
- REFER TO SITE GRADING PLAN DWG. No. 819-98, G-1 FOR DETAILS.
- INSTALL THE SPECIFIED ICD (INLET CONTROL DEVICE) HYDROVEX MODEL No. 125-VHV-2 OR EQUAL AT THE OUTLET END OF THE 300mmø STORM PIPE IN CB/MH#1 AS DETAILED ON THIS DRAWING. THE ICD INSTALLED SHALL BE CITY OF OTTAWA APPROVED TYPE.

17. ALL PROPOSED BUILDING SANITARY, STORM AND WATER SERVICES SHALL TERMINATE ±1.0m OUTSIDE THE FOUNDATION WALL AND CONNECTION TO PLUMBING BY OTHERS.

18. THE CONTRACTOR SHALL CONSTRUCT THE NEW FIRE HYDRANT AS PER CITY OF OTTAWA DWG. No. W18 AND W19 DETAILS. THE HYDRANT LEAD SHALL BE CONSTRUCTED PER CITY STANDARDS AND INSPECTOR'S REQUIREMENTS. HYDRANT LEAD CONNECTION BY CITY OF OTTAWA.

19. PRIOR TO CONCRETE FOOTING AND FOUNDATION POURING, THE OWNERS AND/OR CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SUBGRADE ON THIS LOT IS SUFFICIENT TO SUPPORT THE PROPOSED BUILDING.

20. FOR DEVELOPMENT OF THIS LOT, THE CONTRACTOR MUST FIRST CONSTRUCT THE UNDERGROUND SANITARY, STORM AND WATER SERVICES FROM THE MARENGER STREET SEWER-MAIN AND WATERMAIN TO SERVICE THE ENTIRE PROPERTY, PRIOR TO BUILDING CONCRETE FOUNDATION POURING. THE CONTRACTOR SHALL VERIFY SEWER DEPTHS TO ENSURE THAT SEWER LATERALS CAN ACHIEVE A SLOPE OF 1% (MIN.) AND STILL BE BELOW PROPOSED UNDERSIDE OF CONCRETE FOOTING ELEVATION, IF THIS IS FOUND NOT POSSIBLE, THE CONTRACTOR SHALL CONTACT THE OWNER TO REPORT THE FINDING IN ORDER TO ADJUST THE BUILDING FOUNDATION GRADES PRIOR TO CONCRETE POURING.

21. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY EQUIPMENT, LABOUR AND MATERIALS RELATING TO THE CIVIL WORKS REQUIRED FOR INSTALLATION OF NEW SITE SERVICES. PROVINCIAL HEALTH AND SAFETY REGULATIONS MUST BE FOLLOWED DURING CONSTRUCTION.

22. IT IS THE RESPONSIBILITY OF THE SITE SERVICES CONTRACTOR TO OBTAIN AND CONSTRUCT THE WORKS TO MEET THE LATEST REVISIONS IN CURRENT CIRCULATION OF THE CITY OF OTTAWA'S ENGINEERING STANDARDS, OPSS & OPSD STANDARDS, AND ONTARIO BUILDING/PLUMBING CODES. WHERE THE LATEST REVISION DIFFERS FROM THE REQUIREMENTS SET OUT IN THIS PLAN, THE CONTRACTOR SHALL PRICE THE WORKS TO MEET LATEST REVISED STANDARDS IN HIS PRICE BID FOR THIS PROJECT. THE CONTRACTOR SHALL INFORM THE ENGINEERS OF ANY CHANGES PRIOR TO COMMENCEMENT OF THE WORKS.

23. PROPOSED TOP OF ENTRY, TOP OF FOUNDATION, TOP OF BASEMENT SLAB, UNDERSIDE OF FOOTING ELEVATIONS SHALL BE REVIEWED AND APPROVED BY PROJECT 1 STUDIO INC. ARCHITECTURE PRIOR TO CONSTRUCTION.

24. IF EXISTING GRADES ALONG ANY EXISTING ABUTTING PROPERTY LIMITS EXCEED THE PROPOSED GRADES ON THIS PROPERTY BY A HEIGHT DIFFERENTIAL THAT EXCEEDS TERRACING OF 3H TO 1V, THEN INSTALL A RETAINING WALL AS PER OWNER'S REQUIREMENTS.

25. SITE SERVICING BEDDING, BACKFILL REQUIREMENTS ALONG WITH ROADWAY AND PARKING LOT PAVEMENT STRUCTURES SHALL MEET RECOMMENDATIONS AND REQUIREMENTS SET OUT IN THE OWNER'S SOILS ENGINEER'S REPORT. ALL WORKS TO BE CARRIED OUT BY THE CONTRACTOR ON THE PROPOSED ASPHALT ACCESS LANEWAY AND PRIVATE DRIVEWAY STRUCTURE SHALL BE APPROVED BY SOILS ENGINEER ON SITE PRIOR TO CONSTRUCTION.

26. THE EXISTING CONCRETE CURB AND SIDEWALK ON MARENGER STREET IF DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REINSTATED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF OTTAWA AND IN ACCORDANCE WITH THE LATEST REVISED CITY ENGINEERING STANDARDS.

27. THE CONTRACTOR, UPON COMPLETION OF THE NEW DRIVEWAY, SHALL RESTORE THE EXISTING MARENGER STREET ROADWAY BOULEVARD DISTURBED BY CONSTRUCTION WORKS ON THIS PROPERTY. ADDITIONALLY, THE ROADWAY GRADING SHALL BE RESTORED AND REGRADED TO DRAIN POSITIVELY TO EXISTING STORMWATER OUTLET AS REQUIRED BY THE CITY INSPECTOR.

28. CONSTRUCT DEPRESSED CURBING AND DEPRESS ANY EXISTING CONCRETE SIDEWALKS FOR THE NEW DRIVEWAY ENTRANCE ALONG MARENGER STREET FOR DEVELOPMENT OF THIS PROPERTY IN ACCORDANCE WITH CITY OF OTTAWA ENGINEERING STANDARDS, REQUIREMENTS AND DETAILS PER CITY DWG. No. SC13 DATED MARCH 2006. ALL WORKS SHALL BE CARRIED OUT TO THE CITY'S SATISFACTION.

29. CONCRETE BARRIER CURB AND DEPRESSED CURB DETAILS AS PER CITY OF OTTAWA STANDARDS (DWG. No. SC1.1, MARCH 2007). CONCRETE CURB AND CONCRETE SIDEWALK CONSTRUCTION AND REINSTATEMENT SHALL BE DONE TO THE SATISFACTION OF THE CITY OF OTTAWA AND IN ACCORDANCE WITH THE LATEST REVISED CITY ENGINEERING STANDARDS.

30. ASPHALT DRIVEWAY PAVEMENT STRUCTURES SHALL MEET THE MINIMUM REQUIREMENTS AS SET OUT AS PER THE OWNER'S SOILS ENGINEER AND APPROVED BY THE CITY AND THIS STRUCTURE MUST ALSO BE APPROVED BY THE OWNER'S SOILS ENGINEER ON SITE PRIOR TO CONSTRUCTION BY THE CONTRACTOR. SITE SOILS ENGINEER SHALL APPROVE ALL ROAD SUBGRADE FROST TAPERING AND TRANSITION WORKS PRIOR TO GRANULAR PLACEMENT.

31. PRIOR TO PLACEMENT OF OPSS GRANULAR "A" AND "B" TYPE II ON THE ROADWAYS AND PARKING LOT AREA, THE OWNER'S GEOTECHNICAL ENGINEER MUST APPROVE THE GRANULAR SUBGRADE.

32. WHERE FROST COVER FROM UNDERSIDE OF BUILDING CONCRETE FOOTING TO PROPOSED FINISHED GROUND ELEVATION IS LESS THAN 1.55m, IT IS RECOMMENDED THAT INSULATION (50mm THICK) MINIMUM BE INSTALLED AT THE BUILDING FOOTING AND FOUNDATION TO PROVIDE SUFFICIENT FROST COVER FOR THE FOUNDATION STRUCTURES. THE FOOTINGS WILL NEED TO BE REVIEWED FOR INSULATION BY THE OWNER'S SOILS ENGINEER. EXACT INSULATION REQUIREMENTS SHALL BE AS PER ARCHITECT'S INSULATION DETAILS AS SHOWN ON THEIR ARCHITECTURAL DRAWINGS AND CONFIRMED BY THE OWNER'S SITE SOILS ENGINEER.

33. IT IS REQUIRED THAT A FULL PORT BACKWATER VALVE BE INSTALLED FOR THE SANITARY SERVICE LATERAL AND A BACKWATER VALVE FOR THE STORM SERVICE LATERAL PROPOSED TO SERVICE THE NEW BUILDING UNDER THE CURRENT REGULATION OF THE ONTARIO PLUMBING CODE AS PER CITY OF OTTAWA DETAILS S14, S14.1 AND S14.2. THE OWNER'S ARCHITECT AND PLUMBER SHALL CHECK THE CURRENT ONTARIO PLUMBING CODE FOR REQUIREMENTS FOR A BACKWATER VALVE IN THE BUILDING AND AS PER THE MECHANICAL ENGINEER'S DRAWINGS AT THE SANITARY AND STORM SEWER SERVICE LINES.

34. EXISTING LATERALS AND WATER SERVICE PIPING HAVE BEEN AND/OR SHALL BE ABANDONED. THE WATER SERVICE SHALL BE BLANKED AND CAPPED AT THE MAIN AS PER CITY'S REQUIREMENTS. THE SEWER LATERAL(S) SHALL BE CAPPED AND/OR PLUGGED AT THE FRONT PROPERTY LINE. ALL WATER AND SEWER LATERAL WORKS SHALL BE CARRIED OUT TO THE CITY'S SATISFACTION.

35. ROOF TYPE OF PROPOSED BUILDING IS PITCHED.

36. INSULATE THE BUILDING HOUSE SERVICE LATERALS WITHIN THE ROAD RIGHT OF WAY AND ON THE PRIVATE LOT PROPERTY WHERE GROUND COVER FOR FROST PROTECTION IS LESS THAN 2.4m FOR WATER SERVICE, STORM AND SANITARY PIPE WITH 50mm THICK (MIN.) RIGID STYROFOAM INSULATION AND AS PER SOILS ENGINEER'S RECOMMENDATIONS.

37. FOR WATER QUALITY CONTROL, INSTALL STORMCEPTOR STRUCTURE (MODEL No. EF-04) AS REQUIRED BY THE CITY OF OTTAWA AND RVCA.

38. THE CONTRACTOR SHALL CONSTRUCT THE NEW FIRE HYDRANT AS PER CITY OF OTTAWA DWG. No. W18 AND W19 DETAILS. THE HYDRANT LEAD SHALL BE CONSTRUCTED PER CITY STANDARDS AND INSPECTOR'S REQUIREMENTS. HYDRANT LEAD CONNECTION BY CITY OF OTTAWA.

39. MANHOLES AND CATCH BASIN MANHOLES SHALL BE PRECAST TYPE (1200mmø) AS PER CITY'S LATEST REVISED ENGINEERING STANDARDS. STORM MANHOLE/CATCH BASIN AS PER OPSD 701.01 C/W FRAME AND COVER PER OPSD 101.010.

40. THE CATCH BASIN SHALL BE 600mm X 600mm PRECAST TYPE PER OPSD 705.010 C/W FRAME AND COVER PER OPSD 400.020 INCLUDING ADJUSTMENT RINGS.

41. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY EQUIPMENT, LABOUR AND MATERIALS RELATING TO THE CIVIL WORKS REQUIRED FOR INSTALLATION OF NEW SITE SERVICES. PROVINCIAL HEALTH AND SAFETY REGULATIONS MUST BE FOLLOWED DURING CONSTRUCTION.

42. IT IS THE RESPONSIBILITY OF THE SITE SERVICES CONTRACTOR TO OBTAIN AND CONSTRUCT THE WORKS TO MEET THE LATEST REVISIONS IN CURRENT CIRCULATION OF THE CITY OF OTTAWA'S ENGINEERING STANDARDS, OPSS & OPSD STANDARDS, AND ONTARIO BUILDING/PLUMBING CODES. WHERE THE LATEST REVISION DIFFERS FORM THE REQUIREMENTS SET OUT IN THIS PLAN, THE CONTRACTOR SHALL PRICE THE WORKS TO MEET LATEST REVISED STANDARDS IN HIS PRICE BID FOR THIS PROJECT. THE CONTRACTOR SHALL INFORM THE ENGINEERS OF ANY CHANGES PRIOR TO COMMENCEMENT OF THE WORKS.

43. WEEPING TILE DRAINAGE FOR THE (2) STACKED TOWNHOUSE BUILDINGS SHALL BE CONNECTED AND OUTLETTED TO A DESIGNATED SEPARATE 200mmø PVC STORM PIPE SYSTEM SHOWN LOCATED AT THE FRONT OF THE BUILDINGS AND NOT BE INTERCONNECTED WITH THE PARKING LOT STORM PIPE SYSTEM UPSTREAM OF CB/MH#1. A BACKWATER VALVE IS RECOMMENDED IN THE BUILDING FOR STORM LATERALS ALSO AS PER THE LATEST REVISIONS OF THE PLUMBING CODE. SEE MECHANICAL ENGINEER'S PLANS FOR DETAILS.

44. THE RETAINING WALLS TO BE CONSTRUCTED AND MATERIAL TYPE SHALL BE SPECIFIED BY THE OWNER'S ARCHITECT AND/OR HIS STRUCTURAL ENGINEER. ANY RETAINING WALLS BUILT ON THIS LOT EXCEEDING 1.0m IN HEIGHT FROM PROPOSED FINISHED GROUND ELEVATION WILL BE REQUIRED TO BE PREPARED AND CERTIFIED BY THE OWNER'S STRUCTURAL ENGINEER AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION.

45. NO EXCESS DRAINAGE, DURING AND AFTER CONSTRUCTION, WILL BE DIRECTED TOWARDS THE NEIGHBORS' PROPERTIES.

46. ALL TREES ON THE RIGHT-OF-WAY ARE TO BE MAINTAINED BEFORE AND AFTER CONSTRUCTION AND ALL TREES WITHIN THE PROPERTY SHALL BE PROTECTED AS PER THE 'MUNICIPAL TREES AND NATURAL AREAS PROTECTION BY-LAWS' AND THE 'URBAN TREES CONSERVATION BY-LAW' AS AMENDED FROM TIME TO TIME.

47. THERE WILL BE NO ALTERATION TO THE EXISTING GRADE AND DRAINAGE PATTERN ON THE PROPERTY LINES.

48. REFER TO EROSION AND SEDIMENT CONTROL PLAN DWG. #819-98 ESC-1 FOR DETAILS OF IMPLEMENTING BEST MANAGEMENT PRACTICES.

49. SEE PROPOSED SITE SERVICING PLAN DWG. #819-98 S-1 FOR SERVICING DETAILS.

50. THE RETAINING WALL TO BE CONSTRUCTED AND MATERIAL TYPE SHALL BE SPECIFIED BY THE OWNER'S HOUSE DESIGNER AND/OR HIS STRUCTURAL ENGINEER. ANY RETAINING WALLS BUILT ON THIS LOT EXCEEDING 1.0m IN HEIGHT FROM PROPOSED FINISHED GROUND ELEVATION WILL BE REQUIRED TO BE PREPARED AND CERTIFIED BY THE OWNER'S STRUCTURAL ENGINEER AND APPROVED BY THE CITY OF OTTAWA BEFORE CONSTRUCTION.

NO.	REVISION	DATE	BY
1	STORM SEWER DESIGN AND PROPOSED BUILDING ELEVATION REVISIONS	07/09/20	TLM

LICENSED PROFESSIONAL ENGINEER 08/13/20 TONY L-M. MAK PROVINCE OF ONTARIO

SCALE
0 1.25m 3.75m 6.25m
1:125 HORIZONTAL
VERTICAL

DESIGN	T.L.M.
CHECKED	T.L.M.
DRAWN BY	P.M.
CHECKED	T.L.M.
APPROVED	T.L.M.

PROJECT
1258 MARENGER STREET
PART OF PARK LOT 12
REGISTERED PLAN 162
CITY OF OTTAWA

DRAWING TITLE
PROPOSED SITE GRADING PLAN

T.L. MAK ENGINEERING CONSULTANTS LTD.
CONSULTING ENGINEERS

PROJECT No.	DATE	DRAWING No.
819-98	MARCH 2020	G-1