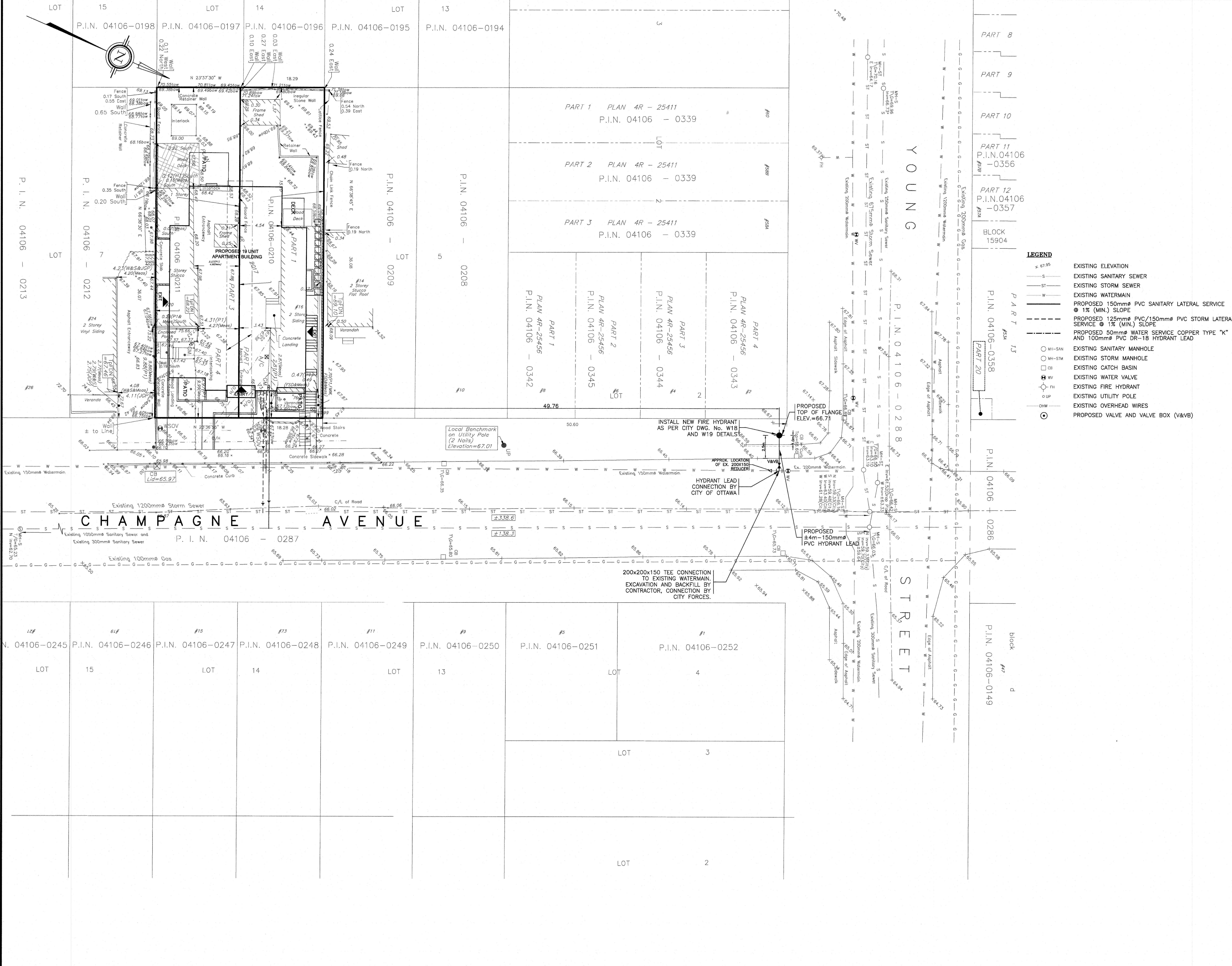




- NOTES:**
- EXISTING SERVICES AND UTILITIES SHOWN ON THIS DRAWING WERE TAKEN FROM THE BEST AVAILABLE RECORDS BUT ARE NOT COMPLETE. CONTRACTOR IS REQUESTED TO CHECK IN THE FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH AUTHORITIES AND UTILITIES TO HIS SATISFACTION BEFORE DIGGING.
 - CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
 - SITING DETAILS FOR THE PROPOSED DWELLING WERE TAKEN FROM THE LATEST REVISED SITE PLAN PREPARED BY ROSAINE J. HILL ARCHITECT INC. (DATED AUGUST 17, 2018). GRADES AT AND AROUND THE BUILDING INCLUDING THE GROUND FLOOR, LOWER LEVEL SLAB AND TOP OF CONCRETE FOOTING ELEVATIONS WERE PROVIDED BY THE OWNER'S ARCHITECT. SEE ARCHITECTURAL DRAWINGS ENTITLED RIGHT ELEVATION AND FRONT & REAR ELEVATIONS DATED JULY 12, 2018.
 - EXISTING HORIZONTAL AND VERTICAL SURVEY DATA SHOWN ON THIS PLAN INCLUDING SITE BENCHMARK, ROAD ELEVATIONS, SEWER INVERT ELEVATIONS AND THE TOPOGRAPHICAL INFORMATION OF THE LOT WERE PROVIDED BY FARLEY, SMITH & DENIS SURVEYING LTD. AS DEPICTED ON THEIR TOPOGRAPHICAL SURVEY PLAN (FILE NO. 240-14) DATED AUGUST 7, 2014 AND UPDATED PLAN (FILE NO. 435-18) COMPLETED ON AUGUST 21, 2018. T.L. MAK ENGINEERING CONSULTANTS LTD. DOES NOT TAKE ANY RESPONSIBILITY FOR THE SURVEY INFORMATION SHOWN HERE.
 - EXISTING UNDERGROUND SERVICES SHOWN ON THIS DRAWING WERE TAKEN FROM FARLEY, SMITH & DENIS SURVEYING LTD.'S LATEST TOPOGRAPHICAL SURVEY (FILE NO. 435-18 COMPLETED ON AUGUST 21, 2018).
 - 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.
 - ALL WATERWORKS SHALL BE CONSTRUCTED TO CITY OF OTTAWA'S LATEST REVISED STANDARDS ON APPROVAL BY THE CITY.
 - CONSTRUCT ALL SANITARY AND STORM PIPES IN ACCORDANCE WITH CITY OF OTTAWA'S LATEST REVISED STANDARD OTHERWISE AS PER OPSS AND OPSD SPECIFICATIONS.
 - ALL WORKS CONSTRUCTED BY THE CONTRACTOR SHALL MEET CITY OF OTTAWA'S CURRENT ENGINEERING STANDARDS AND AS PER CITY'S REQUIREMENTS.
 - 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.
 - IF REQUIRED, THE OWNER AND/OR HIS CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES REGARDING RELOCATION REQUIREMENTS FOR THE EXISTING OVERHEAD UTILITY POLE.
 - ALL WATERMAIN SERVICE AND FITTINGS SHALL CONFORM TO APPROVED ANWA AND OR CSA STANDARDS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS TO COMPLETE THE WORKS.
 - EXISTING LOCATION OF CHAMPAGNE AVENUE SOUTH WATERMAIN, STORM SEWER AND SANITARY SEWER SHOWN ON THIS PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY IN THE FIELD TO CONFIRM ITS EXACT LOCATION PRIOR TO EXCAVATION. (SEE NOTE NO. 23 ALSO).
 - PROPOSED SURFACE GRADE SHALL BE 7% (MAX.) WHERE THE GROUND DROPS OFF STEEPLY. TERRACE THE GROUND AT 3H TO 1V (MAX.) AS NECESSARY TO MEET THE CITY'S GRADING REQUIREMENTS.
 - WATER SERVICE CONNECTION ON CHAMPAGNE AVENUE SOUTH SHALL BE DONE BY THE CITY. ALL CONNECTIONS AND OTHER RELATED WORKS TO WATERMAIN SHALL BE MADE BY THE CITY AND EXCAVATION, BACKFILLING AND REINSTATEMENTS BY CONTRACTOR. ALL WATERWORKS SHALL BE CARRIED OUT TO THE CITY'S SATISFACTION.
 - IF WATER SERVICE IS LESS THAN 2.4m FROM SEWER, MANHOLE OR CATCH BASIN, CONTRACTOR IS REQUESTED TO INSULATE BETWEEN THEM WITH S/M RIGID INSULATION (AS PER CITY DETAIL W23).
 - PIPE SIZES SHOWN ON THIS PLAN ARE METRIC.
 - WATER SERVICE AND WATERMAIN TRENCH DETAILS AS PER CITY W17 DETAIL.
 - BEDDING FOR SEWERS AND WATERMAIN INSTALLATION SHALL BE TYPE 'B' COMPACTED TO 95% DRY PROCTOR DENSITY. FOR THE SEWER LATERALS USE 300mm THICK APPROVED GRANULAR COVER MATERIAL COMPACT TO 95% DRY PROCTOR DENSITY. TRENCH BACKFILL WITH NATIVE MATERIAL, AND COMPACT TO 95% DRY PROCTOR DENSITY MINIMUM. NO FROZEN MATERIALS ARE TO BE USED AS BACKFILL IN THE SERVING TRENCHES.
 - DETAILS OF THE EXISTING SEWERS AND WATERMAIN SHOWN ON CHAMPAGNE AVENUE SOUTH FROM THE CITY MAY NOT BE CURRENT. THE CONTRACTOR SHALL REFER TO THE CITY'S SEWER AND WATERMAIN DRAWINGS FOR DETAILS BEFORE DIGGING. THE CONTRACTOR IS ADVISED TO EXCAVATE AND INVESTIGATE THE SEWER ELEVATIONS IN FRONT OF THIS PROPERTY FIRST TO ENSURE THAT 1% (MIN.) PIPE SLOPE OF THE SANITARY AND STORM LATERALS CAN BE ACHIEVED USING THE PROPOSED UNDERSIDE OF CONCRETE FOOTING ELEVATION. IF 1% (MIN.) SLOPE IS NOT POSSIBLE FROM THE BUILDING TO THE SEWER, THEN THE CONTRACTOR SHOULD INFORM THE OWNER'S PROJECT MANAGER AND THE CITY ACCORDINGLY FOR FURTHER DIRECTION.
 - INSULATE THE BUILDING SERVICE LATERALS, WATER SERVICE AND HYDRANT LEAD WITHIN THE ROAD RIGHT OF WAY WHERE GROUND COVER IS LESS THAN 2.4m FOR WATER SERVICE AND SEWER LATERALS OR LESS THAN 2.4m FOR SERVICE LATERALS AND WATER SERVICE FROM ANY EXISTING CATCH BASINS AND/OR MANHOLES.
 - REINSTATE ANY EXISTING CONCRETE SIDEWALKS DISTURBED DURING INSTALLATION OF NEW HYDRANT AND LEAD ALONG CHAMPAGNE AVENUE SOUTH FOR DEVELOPMENT OF THIS PROPERTY IN ACCORDANCE WITH CITY OF OTTAWA ENGINEERING STANDARDS AND REQUIREMENTS. ALL WORKS SHALL BE CARRIED CARRIED OUT TO THE CITY'S SATISFACTION.
 - CONCRETE SIDEWALK, DEPRESSED CURB AND DEPRESSED CONCRETE SIDEWALK DETAILS AS PER CITY OF OTTAWA STANDARDS (DWG. NO. SC2 REV. DATE FEB. 2004 AND SC8, REV. DATE FEB. 2002). 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.
 - THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND RECEIVING WATER COURSES AND/OR STORM SEWER DURING CONSTRUCTION ACTIVITIES. THESE PRACTICES ARE REQUIRED TO ENSURE NO EXPOSED SOIL, SEDIMENT AND/OR ASSOCIATED POLLUTANTS ARE RELEASED TO THE RECEIVING WATERCOURSES. THESE PRACTICES INCLUDE INSTALLATION OF SEDIMENT BARRIERS ON ALL CATCH BASIN AND MAINTENANCE HOLES AND A SILT FENCE BARRIER (AS PER OPSD 219.110 AND ASSOCIATED SPECIFICATIONS) ALONG CHAMPAGNE AVENUE SOUTH AND ALL OTHER AREAS THAT SHEET DRAIN OFF SITE. MAINTENANCE HOLE SEDIMENT BARRIERS TO BE AMOCO 4555 NONWOVEN GEOTEXTILE OR APPROVED EQUIVALENT. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY AN APPLICABLE REGULATORY AGENCY.

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								DRAWING TITLE PROPOSED SERVICING PLAN FOR NEW FIRE HYDRANT INSTALLATION																													
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