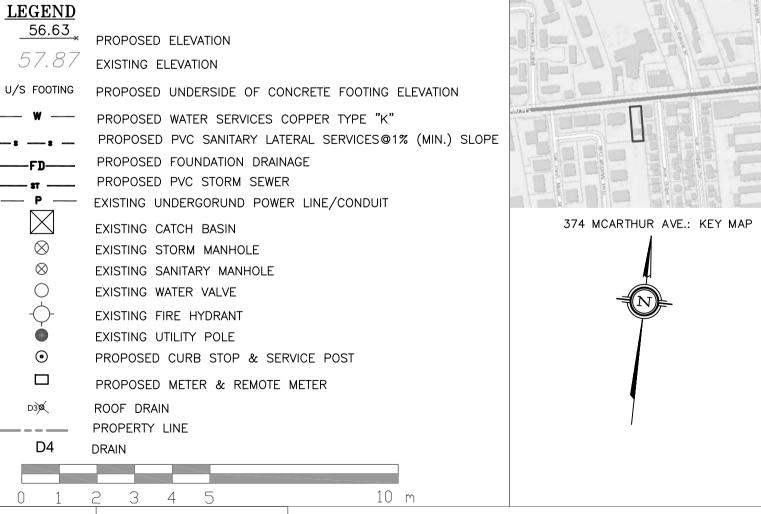


- EXISTING SERVICES AND UTILITIES SHOWN ON THIS DRAWING WERE TAKEN FROM THE BEST AVAILABLE RECORDS. CONTRACTOR IS REQUESTED TO CHECK IN THE FIELD FOR LOCATION AND ELEVATION OF PIPES AND
- CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS AS DEEMED NECESSARY.
- PROPOSED SITING DETAILS FOR THIS PROPOSED BUILDING WERE TAKEN FROM THE SITE PLAN PREPARED BY
- 4. EXISTING HORIZONTAL AND VERTICAL SURVEY DATA SHOWN ON THIS PLAN INCLUDING SITE BENCHMARK, ROAD ELEVATIONS AND THE TOPOGRAPHICAL INFORMATION OF THE LOT SHOWN WERE PROVIDED BY 'ANNIS, D'SULLIVAN, VOLLEBEKK LTD" (MARCH 31,2020) AND ARCH-NOVA DESIGN INC. IS NOT RESPONSIBLE FOR THE
- 5. ALL SERVICES INFORMATION WERE PROVIDED BY THE CITY OF OTTAWA AND ARCH-NOVA IS NOT RESPONSIBLE FOR THE ACCURACY OF PLANS AND INFORMATION, CONTRACTOR IS ADVISED TO CHECK ACCURACY ON THE SITE AND CONFIRM WITH THE CITY STAFF BEFORE ANY WORK ON THE SITE
- 6. ALL GRADING SHALL BE DONE TO THE SATISFACTION OF THE CITY OF OTTAWA.
- ALL GRADES SHOWN ARE METRIC, EXISTING AND PROPOSED GRADES SHOWN ON THIS DRAWING ARE BASED ON A GEODETIC BENCHMARK PROVIDED BY "'ANNIS, O'SULLIVAN, VOLLEBEKK LTD" (MARCH 31,2020) AS SHOWN ON
- 8. USE SADDLE CONNECTIONS WITH CORP STOPS FOR THE 50 MM WATER SERVICES. CONSTRUCT ALL SANITARY PIPES IN ACCORDANCE WITH CITY OF OTTAWA'S LATEST REVISED STANDARDS
- OTHERWISE AS PER OPSS AND OPSD SPECIFICATIONS.
- 10. ALL WORKS CONSTRUCTED BY THE CONTRACTOR SHALL MEET CITY OF OTTAWA'S CURRENT ENGINEERS' STANDARDS AND PER CITY'S REQUIREMENTS.
- 11. THE CONTRACTOR SHALL CONSTRUCT AND ENSURE THAT THE 100 mm WATER SERVICES ON THIS LOT SHALL HAVE A MINIMUM OF 2.4m OF GROUND COVER; OTHERWISE THERMAL INSULATION IS REQUIRED AS PER CITY
- SPECIFICATIONS W 21, W 22 AND W 23, THE WATER SERVICE INSTALLATION SHALL BE STEEL PIPE AND
- TO INSULATE BETWEEN THEM WITH S/M RIGID INSULATION (AS PER CITY DETAIL W-23).
- 13. ALL WATERMAIN SERVICE AND FITTINGS SHALL CONFORM TO APPROVED AWWA AND/OR CSA STANDARDS. 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS TO COMPLETE THE WORKS.
- 15. WATER SERVICES CONNECTION ON MCARTHUR AVENUE SHALL BE DONE BY THE CITY. EXCAVATION,
- BACKFILLING AND REINSTATEMENTS BY CONTRACTOR. 16. THE DWNER AND/OR HIS CONTRACTOR SHALL CONTACT ALL THE UTILITY COMPANIES REGARDING RELOCATION
- 17. WATER SERVICE AND WATERMAIN TRENCH DETAILS AS PER CITY W-17 DETAIL.
- 18. PROPOSED SANITARY SERVICES LATERAL SHALL BE PVC-SDR28 OR EQUIVALENT AND CONNECTION TO THE EXISTING SEWER SHALL BE AS PER CITY OF OTTAWA DWG. S11. SEWER TRENCH DETAILS AS PER STD DWG S6 & S7. CONNECT TO CITY SEWER PIPES USING SADDLE SEWER TRENCH DETAILS AS PERR STD DWG S6 & S7,
- 19. SANITARY AND STORM SEWER SERVICES BENDS AND RISERS USED MUST BE CONSTRUCTED TO THE CITY'S
- 20. DETAILS OF THE EXISTING SEWERS AND WATERMAIN SHOWN ON MCARTHUR AVENUE PLANS OBTAINED FROM THE CITY MAY NOT BE CURRENT. THE CONTRACTOR SHALL REFER TO THE CITY'S SEWER AND WATERMAIN DRAWINGS FOR DETAILS. CONTRACTOR IS ADVISED TO EXCAVATE AND INVESTIGATE THE SEWER ELEVATIONS IN FRONT OF THIS PROPERTY FIRST TO ENSURE THAT 1.5% (MIN.) PIPE SLOPE OF THE SANITARY LATERAL CAN BE ACHIEVED USING THE PROPOSED UNDERSIDE OF CONCRETE FOOTINGS ELEVATIONS. IF 1.5% (MIN.) SLOPE IS NOT POSSIBLE FROM THE HOUSE TO THE SEWER THEN THE CONTRACTOR SHOULD INFORM THE OWNER'S
- 21. FOR DEVELOPMENT OF THIS LOT, THE CONTRACTOR MUST CONSTRUCT THE UNDERGROUND SANITARY AND WATER SERVICES FROM SEWER AND WATERMAIN TO THE PROPERTY FIRSTLY, PRIOR TO HOUSE CONCRETE FOUNDATION
- 22. IF THE DEPTH FROM UNDERSIDE OF HOUSE CONCRETE FOOTING TO PROPOSED FINISHED GROUND ELVATION IS LESS THAN 1.8 M IT IS RECOMMENDED THAT INSULATION (500 mm TICK) MINIMUM BE INSTALLED AT THE BUILDING'S FOOTING AND FOUNDATION OF THE HOUSE 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.
- 24. BLANK WATER SERVICES AT CITY WATERMAIN BY THE CITY CREW.
- 25. EXISTING SEWERS TO BE CAPPED AT THE PROPERTY LINE TO THE SATISFACTION OF CITY'S SEWER
- 26. BACKWATER VALVES WILL BE USED ON SERVICES PER SC14, SC14.1 AND SC14.2
- 27. ASPHALT AND GRAVEL SURFACES TO BE CLEARED AND REPLACED WITH SOFT LANDSCAPING AS SHOWN ON ARCHITECTURAL AND LANDSCAPING PLANS.
- 29. PROPOSED SANITARY AND STORMWATER SERVICES LATERALS SHALL BE PVC-SDR28 OR EQUIVALENT AND
- THE EXISTING CITY SYSTEM SHALL BE AS PER CITY OF UTTAWA DWG.311. SEWEK IKENCE
- 30. ALL PROPOSED STORM PIPES WITH OBVERT LESS THAN 2.0 M BELOW THE SURFACE ARE TO BE INSULATED
- 31. ROOF DRAINS TO BE MANUFACTURED OR SELECTED BY CONTRACTOR AND PRESENTED TO ENGINEER FOR ACCEPTANCE, ROOF DRAINS SHOULD PROVIDE REQUIRED OUTFLOW FROM THE ROOF STORAGE, SEE DETAIL 2.
- 32. EXISTING REMOVABLE BICYCLE CURB TO BE RELOCATED IN ACCORDANCE WITH THE CITY'S PLANS FOR THE



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Drawing No

W-01

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