

DRAWING NUMBER: 220355-GR

**CONSTRUCTION NOTES:**

- All elevations and elevations are in metres. Do not scale drawing.
- This drawing is not a legal survey, a utility plan or a site plan and is for grading purposes only.
- Task Order No. for grading purposes only: 63.41
- Metres as per Anns, O'Sullivan, Vollebæk Ltd.
- This drawing cannot be accepted as acknowledging the user to contact the respective utility authorities for confirmation.
- Contractor is responsible for location and protection of all utilities.
- Contractor is responsible for location and protection of all Foundation (TOF) elevation and underside of footing (USF) elevation for dwelling are as shown on drawing.
- Grade around dwelling to be as shown.
- Maximum allowable slope on site is 3H:1V. Finished grade to slope away from house at all sides at a minimum of 1.52 metres.
- All dimensions to be verified on site by contractor prior to construction.
- Client is responsible for acquiring all necessary permits.
- The proposed grades have been set and verified for location should be verified with regard to subsurface conditions by qualified geotechnical personnel after excavation.
- The underside of footing elevation may not have accounted for actual ground water conditions at the excavation.
- Geotechnical engineer should be retained to provide geotechnical recommendations with respect to the subgrade conditions prior to footing installation.
- Frost protection will be required for the foundation footing if less than 1.52 metres.
- Any changes made to this plan must be verified and approved by Kollaard Associates Inc.

REV. NAME	DATE	AS PER WCA DESCRIPTION
1.	FV	AUG. 25 / 22

**Kollaard Associates**  
**Engineers**  
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 PO BOX 189  
 WEST CARLETON, ONTARIO  
 N6P 1A0  
 info@kollaard.ca

CLIENT: WATERLOON CONSTRUCTION

OWNER: LINDA WALTER & DAVID BROWN

PROJECT: SINGLE FAMILY DWELLING

DRAWING: PROPOSED LOT GRADING PLAN

LOCATION:  
 3854 ARMITAGE AVENUE  
 R-PLAN 586, SUBLLOT 8  
 LOT 10, CONC. 7,  
 WEST CARLETON (TORBOLTON),  
 CITY OF OTTAWA, ONTARIO

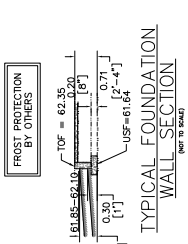
DESIGNED BY: NR  
 DATE: JUN 13, 2022

DRAWN BY: NR  
 SCALE: 1:300

KOLLAARD FILE NUMBER: 220355

**LEGEND:**

- EXISTING ELEVATIONS: [Symbol]
- PROPOSED ELEVATIONS: [Symbol]
- DRAINAGE SLOPE: [Symbol]
- EXISTING DRAINAGE: [Symbol]
- PROPERTY LINE: [Symbol]
- TERRACING AS NOTED: [Symbol]
- FIRE HYDRANT: FH
- HYDRO POLE: HP
- TOP OF RETAINING WALL: [Symbol]
- BOTTOM OF RETAINING WALL: [Symbol]
- PROPOSED SWALE: [Symbol]
- TEMPORARY BENCHMARK: [Symbol]
- DOWN SPOUT: [Symbol]



DRAWING NUMBER: 220355-SD

CONSTRUCTION NOTES:

- All dimensions and elevations are in metres. Do not scale drawing.
- This drawing is not a legal survey, a utility plan or a site plan. It is a design drawing.
- TBM = Mag nail in utility pole. Elevation = 63.41 metres as per Annis, O'Sullivan, Vollebek Ltd.
- Existing utility lines are shown in red. All existing utilities are to be located and marked by the user to contact the respective utility authorities for the relevant authorities.
- This drawing is not for construction until approved by the relevant authorities.
- Identify on the drawing must be maintained free of the deposit or disposal of any materials, structures, or other items that may interfere with the system required for the construction of the leaching bed within the sewage system envelope.
- Topsoil (topsoils) to be removed from bed and placed in leaching bed area. No weeds, stumps to be allowed in leaching bed area.
- Recultivation rate of any imported sand to be back to be 6 mm/7cm, with < 5% passing the #200 (0.850 mm) sieve.
- Stone layer to be washed septic stone, free of fine material, with gradation conforming to CBC Table 8.7.3.3.A.
- The septic system leaching bed is to be graded to and treated with 75 to 100 mm permeable topsoil and sand. Grass growth is to be established.
- Water softener, swimming pool or filter system backwash, sump pump discharge.
- Septic system to be installed in accordance with the OBC.
- Septic tank to meet criteria described in the OBC.
- Septic tank to be installed in accordance with the OBC and over leaching bed. Any material to be placed around or over leaching bed must be vented and approved by the relevant authorities.
- Minimum clearance from treatment unit to:
  - property line = 1.53m
  - drilled well = 15m
  - minimum clearance from edge septic stone to:
    - property line = 4.3m
    - drilled well = 16.3m

**LEGEND**

- EXISTING ELEVATIONS
- PROPOSED ELEVATIONS
- TEST PIT LOCATION
- SEPTIC BED OUTLINE
- PERFORATED PVC PIPE
- SOLID PVC PIPE
- HYDRO PILE
- TEMPORARY BENCHMARK

**LICENSED PROFESSIONAL ENGINEER**  
**K. LAKEW**  
 90421595  
 JUN 13/22  
 PROVINCE OF ONTARIO

REV.	NAME	DATE	DESCRIPTION

**Kollaard Associates**  
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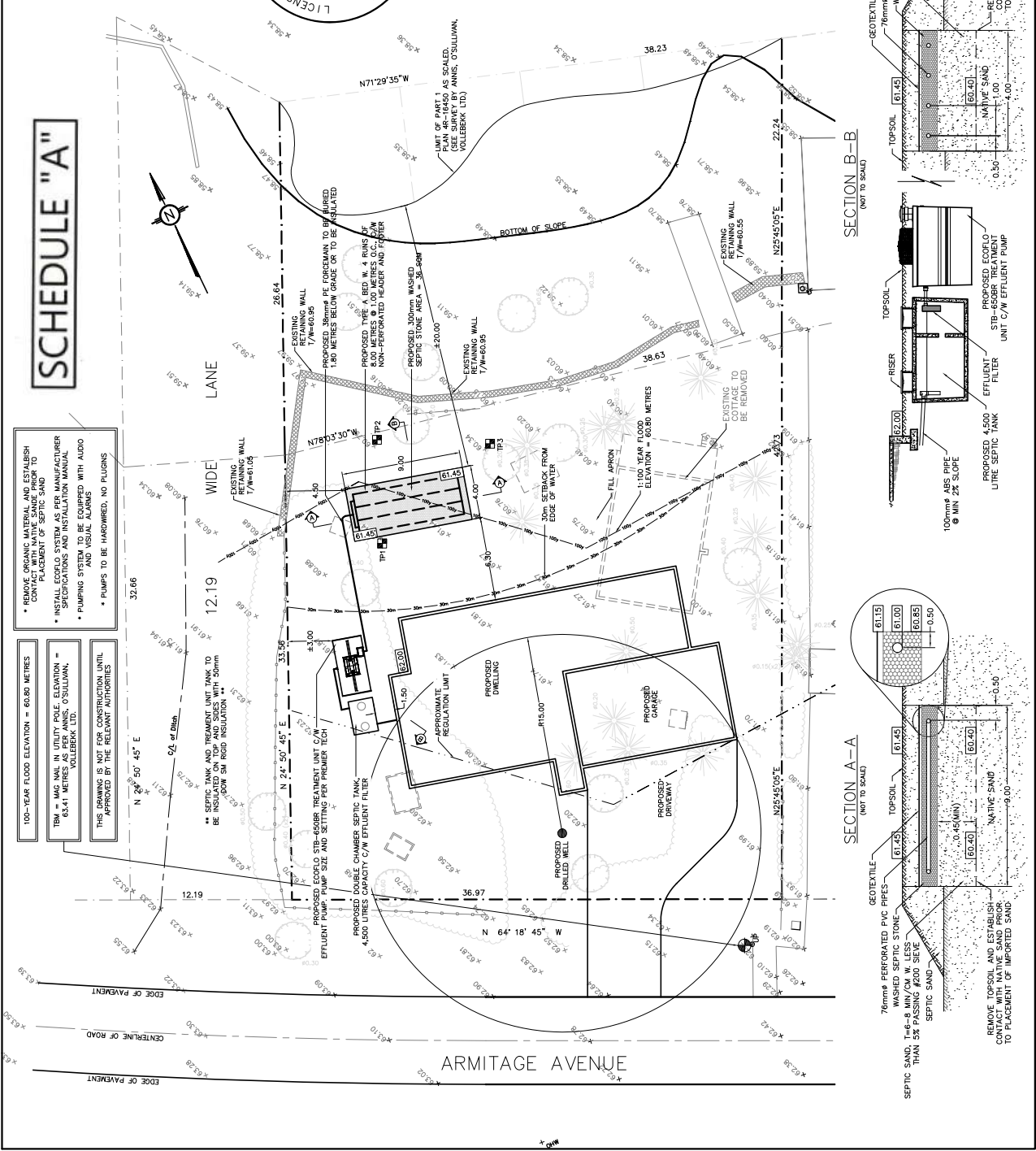
**CLIENT:** WATERLOON CONSTRUCTION  
**OWNER:** LINDA MARTIN & DAVID BROWN  
**PROJECT:** SINGLE FAMILY DWELLING  
**DRAWING:** PROPOSED SEPTIC DESIGN PLAN

**LOCATION:** 3854 ARMITAGE AVENUE  
 R-PLAN 586, SUBLOT 8  
 LOT 10, CONC. 7,  
 WEST CARLETON (TORBOLTON),  
 CITY OF OTTAWA, ONTARIO

**DESIGNED BY:** PV  
**DATE:** JUN 13, 2022

**DRAWN BY:** PV  
**SCALE:** 1:300

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