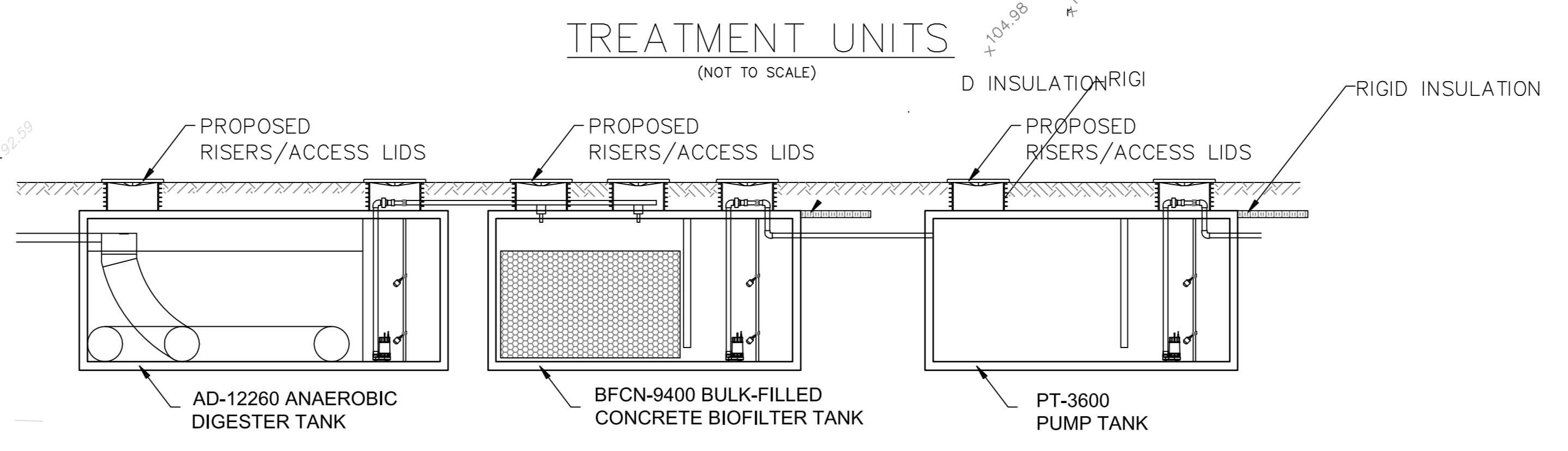
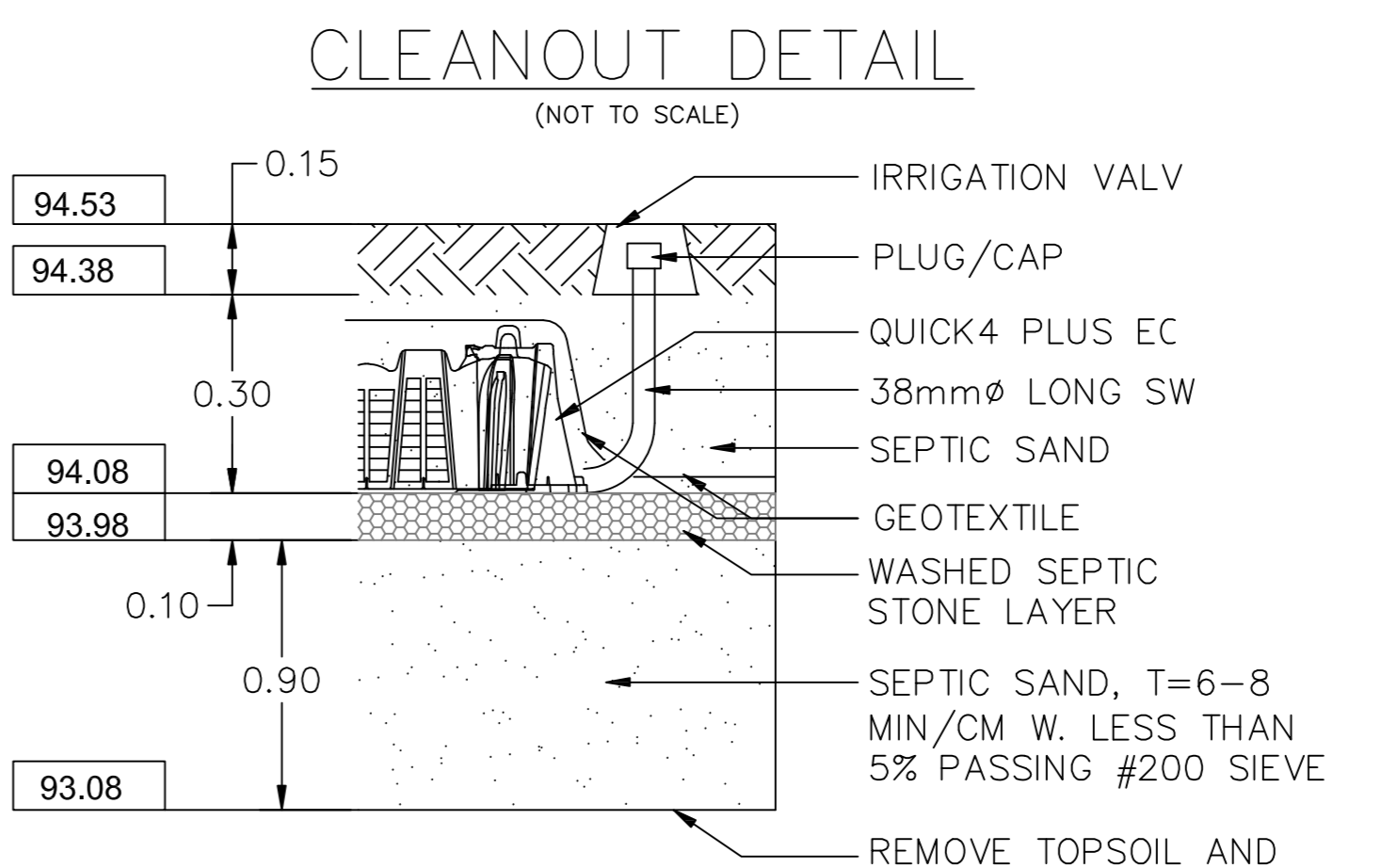
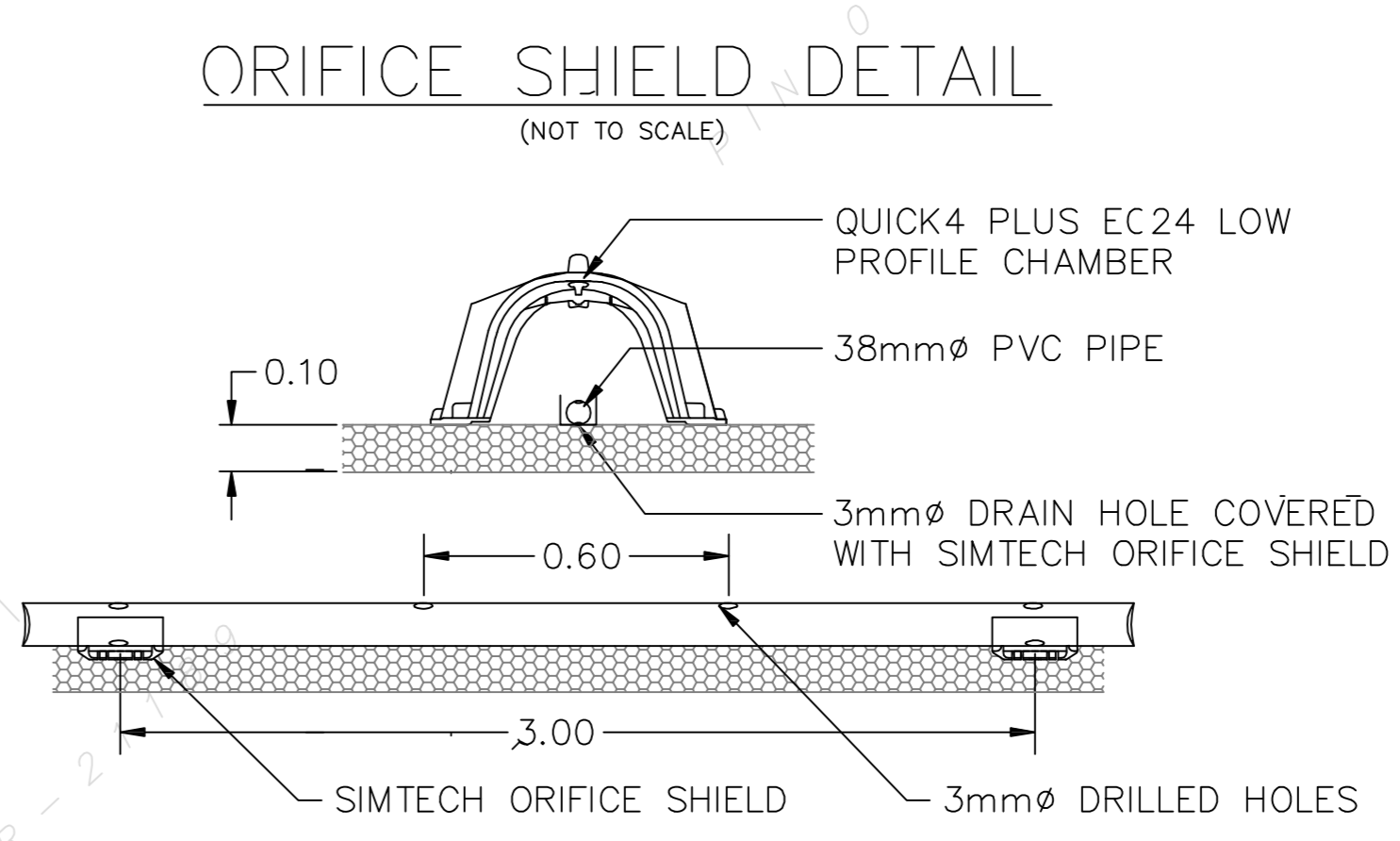
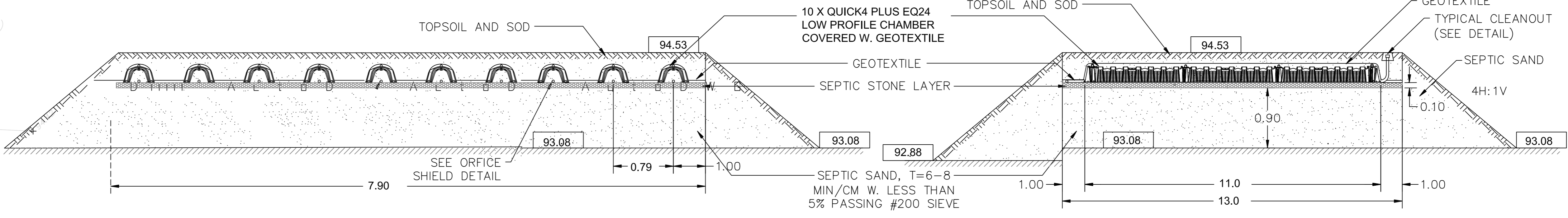


REPLACING OF EXISTING SEPTIC BED (OBC TABLE 8.2.1.3 B); (SEE NOTE #8)
 Veterinary Clinic+ Existing residential building
 Total occupancy: 13 persons (Clinic)+3 bedroom house
 Expected daily design sewage flow (l/day): 1,575 (Clinic) + 2,325 (house)
 Septic tank size calculation: 5,000 liters (Clinic)+ 5,000 liters (house-existing)
 Class 4 raised filter bed
 Runs: 10
 Length: 10.0 m
 Bed width: 11.5 m
 Note: required minimum filter bed area 78.0 m²
 82.0 m² for extended contact area (contingency for T>11.5 percolation rate)



SECTION A-A
(NOT TO SCALE)

SECTION B-B
(NOT TO SCALE)



- Notes:
- All dimensions and elevations are in meters.
 - This drawing is only for the septic purposes and cannot be used as a survey, services or site plan.
 - Only upon approval from authorities this drawing can be used for the construction purposes.
 - No deposits or disposal of any material is allowed within the boundaries of the filter bed other than the material and equipment for the filter bed.
 - Native top soil to be removed from the location of the filter bed to expose the subgrade.
 - Imported material must be of 6 to 8 min/cm.
 - Stone layer to be washed septic stone, free of fine material, with gradation conforming to OBC Table 8.7.3.3.A.
 - The filter bed to be graded to provide positive drainage away from the system.
 - The top soil to be 75 to 100 mm permeable material suitable for the grass seeding.
 - Minimum clearance from treatment unit to:
 - Structure= 1.5 m
 - Property line= 3.0 m
 - Drilled well= 15.0 m
 - Minimum clearance from distribution piping:
 - Structure=7.2 m
 - Property line= 3.0 m
 - Drilled well = 17.2 m
 - Arch-Nova Design Inc. has provided design services only for subject sewage system The design has been carried out in accordance with our interpretation of Part 8 of the Ontario Building Code 2017. Inspections by the Consultant during the installation of the system is a requirement of some regulating authorities and is strongly recommended by this firm.

LEGEND

- PROPOSED ELEVATION
- EXISTING ELEVATION
- PROPOSED UNDERSEGE OF CONCRETE FOOTING ELEVATION
- PROPOSED WATER SERVICES COPPER TYPE "K"
- PROPOSED PVC SANITARY LATERAL SERVICES/16" (MIN.) SLOPE
- PROPOSED FOUNDATION DRAINAGE
- PROPOSED PVC STORM SEWER
- EXISTING UNDERGROUND POWER LINE/CONDUIT
- EXISTING GATCH BASIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING UTILITY POLE
- PROPOSED CURB STOP & SERVICE POST
- PROPOSED METER & REMOTE METER
- ROOF DRAIN
- PROPERTY LINE
- DRAWN

ARCH-NOVA Design Inc. 45 Banner Road NEPEAN ON K2H 8X5
 613-702-3403 contact@archnova.ca

Septic System

Location: 4 Campbell Rd. Ct., Dunrobin
 Owner: Dr. Andros Orendor
 1425 Houston Cres., Ottawa, ON, K2W 1B6

Project No: CW-05-21
 Date: April 2023
 Drawing No: W-03
 Scale: 1:150

Drawn by: Z.M.
 Checked by: Z.M.
 Approved by: Z.M.

Rev 1 Date Description
 Rev 2 Date Description
 Rev 3 Date Description

City of Ottawa File No: 2023000000