
Memorandum

To: Chris Claussen

From: Matthew Leidner, P.E.

Date: 4-27-2020

Re: Cold Brook Crossing – Sudbury, MA
Responses to 4-23-2020 Wastewater Peer Review by Horsley Witten Group

Below are our responses to comments in a letter dated April 23, 2020 from Horsley Witten Group for the above-referenced project. Our responses below address comments related to the civil engineering plans and are numbered according to the peer review letter:

Comment #16:

It appears that the proposed grading slopes toward the treatment building. HW recommends that the proposed grading be sloped away from the building to avoid any stormwater from flowing into the building.

Response #16:

Positive drainage is provided on all four sides of the treatment building. The grading includes a swale to divert runoff around the western and northern sides of the building as depicted on Grading & Drainage Plan B (sheet 11 of the submitted plans) to prevent water from flowing into the building.

Comment #17:

The design plan should show the setback requirement to all basements surrounding the leach field and reserve leach field area.

Response #17:

The attached exhibit shows the required 25' setback and provides dimensions from the leach field to all adjacent building foundations. These dimensions are also included on Layout Plan C (sheet 9 of the submitted plans).

Comment #22:

Grease traps are shown for three of the buildings. HW recommends that the details and sizing calculations for these grease traps be provided.

Response #22:

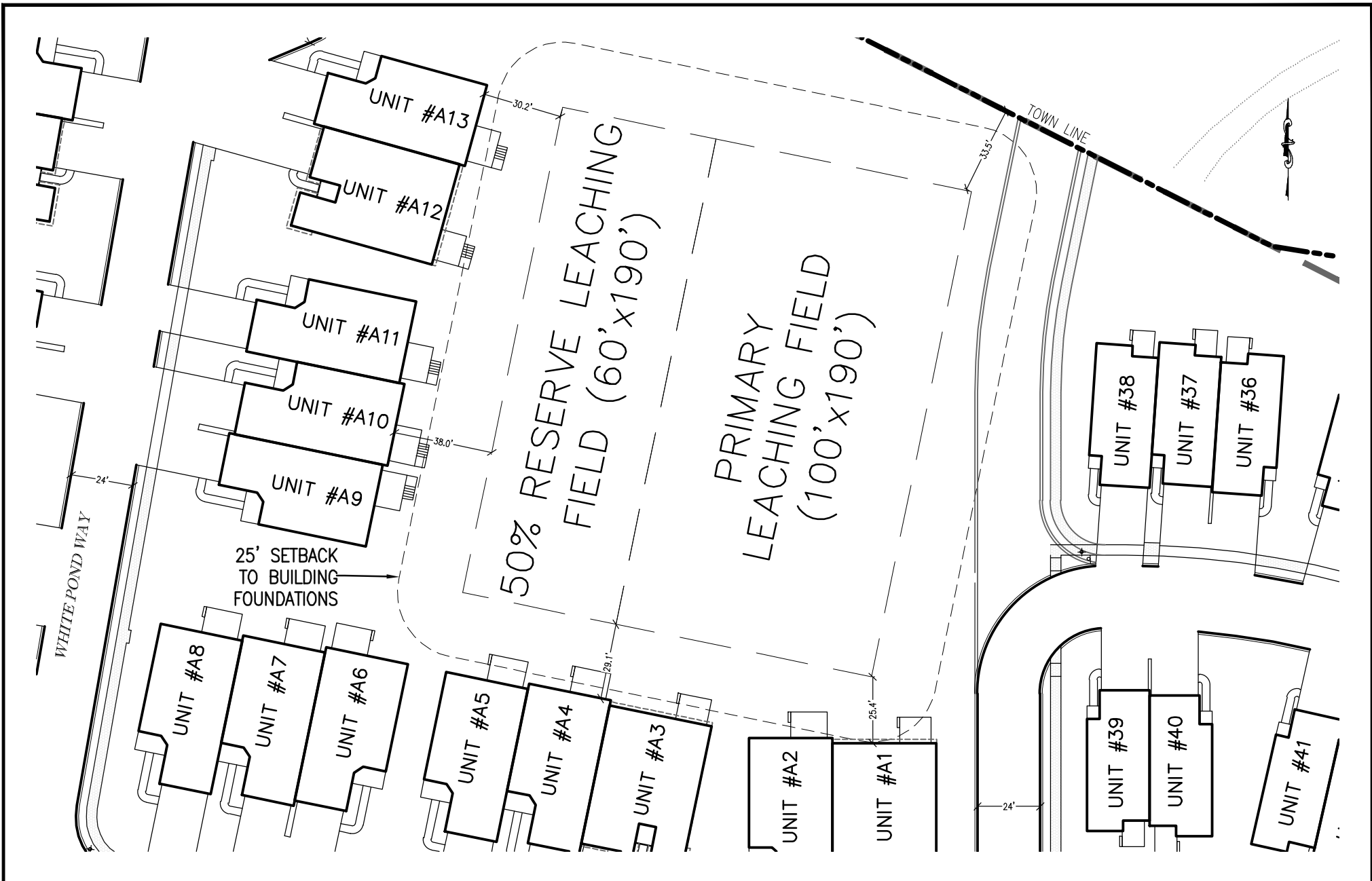
The referenced structures are gas traps as required by 248 CMR 10 (Uniform State Plumbing Code) for the garage floor drains. A detail conforming to 248 CMR 10.22 Figure 15 is provided on sheet 31 of the submitted plans.

Comment #25:

There are many utility crossings. HW recommends that the Applicant review the elevations to ensure there are no conflicts, particularly with the gravity drainage pipes.

Response #25:

Noted. We reviewed utility and drainage crossings for conflicts prior to submission of the plans to the Planning Board and will perform another check upon preparation of construction plans.



GRAPHIC SCALE IN FEET

PROJECT:

**COLD BROOK
CROSSING**

NORTH ROAD
SUDBURY, MA 01776

PREPARED FOR:

**QUARRY NORTH
ROAD LLC**

2134 SEVILLA WAY
NAPLES, FL 34109

PREPARED BY:

**CIVIL DESIGN
GROUP, LLC**

21 HIGH STREET SUITE 207
NORTH ANDOVER, MA 01845
www.cdengineering.com
p: 978-794-5400 f: 978-965-3971

**LEACH FIELD
SETBACK TO
FOUNDATIONS**

APRIL 27, 2020