



TOWN OF MILLIS

Richard Nichols, *Chair*
Nicole Riley, *Clerk*
George Yered
Bodha B. Raut Chhetry
Alan Handel
Joshua Guerrero, *Associate*

OFFICE OF THE PLANNING BOARD

900 Main Street • Millis, MA 02054

Phone: 508-376-7045

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Camille Standley
Administrative Assistant
cstandley@millisma.gov

December 23, 2021

Mr. Daniel Merrikin, P.E.
Legacy Engineering LLC
730 Main Street, Suite 2C
Millis, MA 02054

RE: Acorn Place SRCD – Fire Lane Field Change Approval

Dear Mr. Merrikin:

At the regularly scheduled meeting of the Planning Board held on Tuesday, December 14, 2021, the Board met with you and reviewed your request for a field change for the revision of the Fire Lane at Acorn Place.

The Board reviewed the letters you presented, dated December 4, 2021 and December 14, 2021 (attached), wherein it was requested that the Board approve a field change request regarding the Fire Lane. The proposed change is for gravel surface instead of reinforced turf for the Fire Lane.

On a motion made by Mr. Richard Nichols, seconded by Ms. Nicole Riley, it was voted unanimously to approve the field change request to the Fire Lane as stated in the letters attached and as shown on the plan entitled, "Acorn Place Fire Lane Modification Plan of Land in Millis, MA," dated December 14, 2021, prepared by Legacy Engineering. Voting on this motion: Mr. Richard Nichols, Ms. Nicole Riley, Mr. Alan Handel, and Mr. Joshua Guerrero.

Sincerely,
Millis Planning Board

Richard Nichols, Chair

cc: Town Clerk, SB, BOH, Building Dept., BETA Engineering, File
Acorn Place SRCD Fire Lane Field Change Approval 12-23-2021.doc



dan@legacy-ce.com
508-376-8883(o)
508-868-8353(c)
730 Main Street
Suite 2C
Millis, MA 02054

December 4, 2021

Planning Board
900 Main Street
Town Offices
Millis, MA 02054

Ref: Acorn Place

Dear Members of the Board:

Based on the Board's last meeting where the residents requested that the Fire Lane be revised, I am requesting a field change to allow the surface of the fire lane to Acorn Street to be gravel instead of the specified reinforced turf. This will make the fire lane easier to maintain and will be a more obvious entry point in the event emergency personnel need to use it.

Regarding specifications for the proposed gravel fire lane surface, note the following:

- Most of the area dedicated to the fire lane was a previous gravel road used by trucks for access to the rear portions of the site. As such, it was historically improved with imported gravel.
- The current contractor prepped the subgrade of the road by removing unsuitable soils and by adding at least 8 inches of 3/4"-1.5" crushed process materials throughout the length, except where it approaches the new housing units. I have spot checked several locations of the fire lane to confirm this.
- Note that the fire lane was specifically improved early in the construction effort so that fill could be brought into the site. The contractor reports that the loaded dump trucks had no difficulty traversing the current fire lane surface and there is no indication of any problems.
- We are of the opinion that with the following improvements, the fire lane will be suitable for fire truck access:
 - In the area between the new residential units, remove all unsuitable subsoils and bring the fire lane to subgrade elevation with a minimum of 8 inches of compacted 1.5" processed subgrade gravel.
 - Surface the entire fire lane with 3 inches of compacted 3/4"-1.5" processed gravel.



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508-376-8883(o)
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730 Main Street
Suite 2C
Millis, MA 02054

Do not hesitate to contact me should you have any questions or comments.

Yours Truly,

LEGACY ENGINEERING LLC

A handwritten signature in black ink, appearing to read 'Daniel Merrikin'.

Digitally signed by Daniel J.
Merrikin, P.E.
Date: 2021.12.04 10:50:26 -05'00'

Daniel J. Merrikin, P.E.
President

cc: File



dan@legacy-ce.com
508-376-8883(o)
508-868-8353(c)
730 Main Street
Suite 2C
Millis, MA 02054

December 14, 2021

Planning Board
900 Main Street
Town Offices
Millis, MA 02054

Ref: Acorn Place
Fire Lane Modification Request

Dear Members of the Board:

In response to BETA's review memo dated December 8th, please find attached a plan with detail for the proposed fire lane. The fire lane follows existing contours and has modest 1-2% slopes throughout. In deference to abutting property owners, the Applicant made a concerted effort to preserve as many trees as possible along both sides of the installed fire lane. It is therefore our view that installing a ditch along either side of the fire lane would be counter productive as it would require the removal of these mature trees. Instead, we propose to make the outside two feet of each side of the fire lane crushed stone to prevent erosion. We note that the fire lane has been in place for well over a year and there is no erosion.

We have also attached a revised O&M plan with requirements to maintain the fire lane added to Section 2. Do not hesitate to contact me should you have any questions or comments.

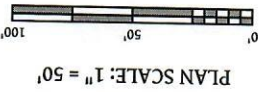
Yours Truly,

LEGACY ENGINEERING LLC

Digitally signed by Daniel J.
Merrikin, P.E.
Date: 2021.12.14 14:16:22 -05'00'

Daniel J. Merrikin, P.E.
President

cc: File



REVISION		DATE	BY

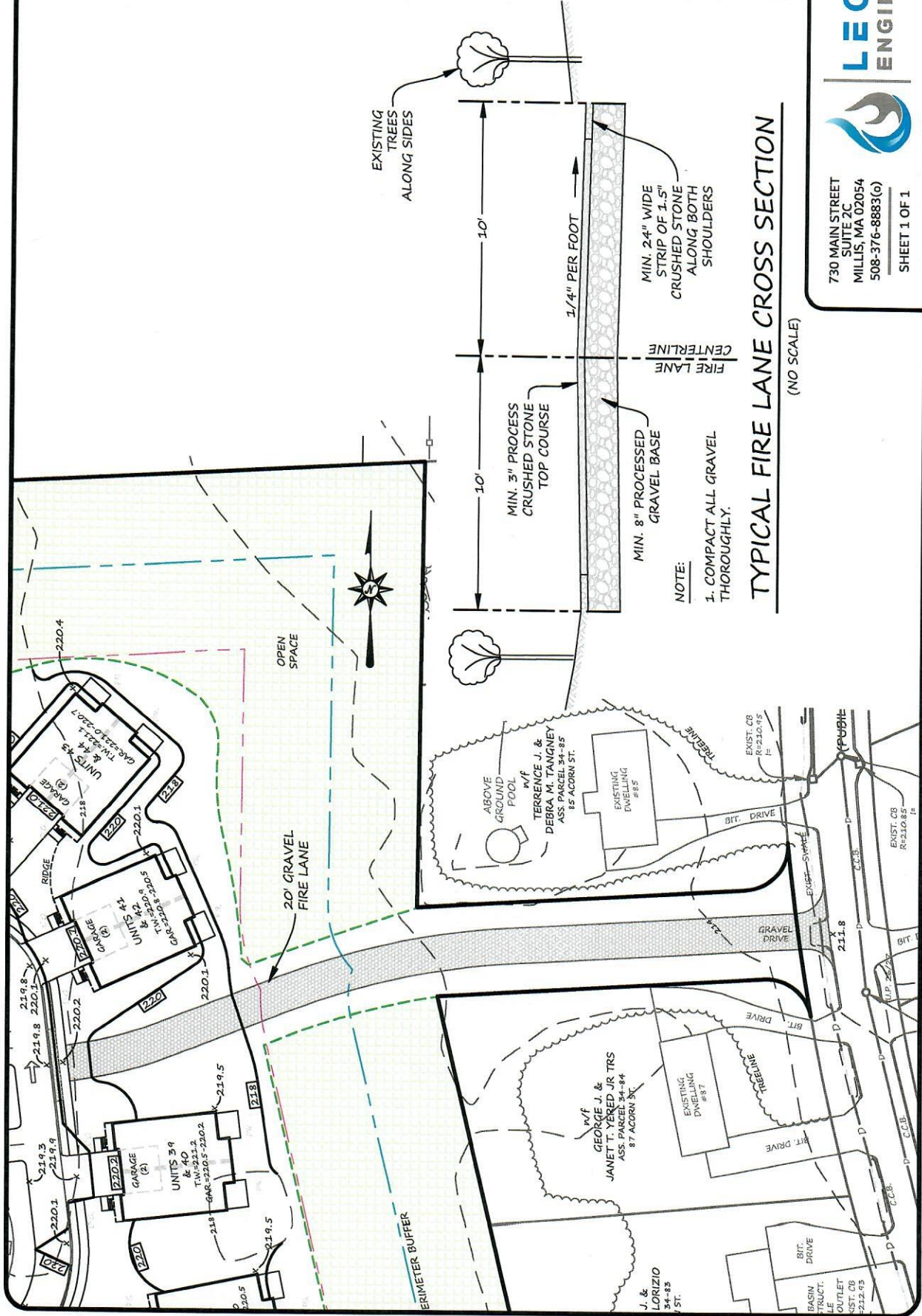
PLAN DATE: DECEMBER 14, 2021

ACORN PLACE FIRE LANE MODIFICATION IN MILLIS, MA



LEGACY
ENGINEERING

730 MAIN STREET
SUITE 2C
MILLIS, MA 02054
508-376-8883 (o)
SHEET 1 OF 1



TYPICAL FIRE LANE CROSS SECTION
(NO SCALE)