

32 LEDGE ROAD – WATER & SEWER

Attached, please find a request from the Town Engineer for the Planning Board to the establishment of a bond relative to the Water and Sewer at Davey Way, Hudson NH. The request is to establish a bond in the amount of \$95,580.00.

SITE: 32 Ledge Road – Map 166/Lot 011-000

ATTACHMENTS:

- A. Memorandum from Elvis Dhima, dated August 1, 2024 – Attachment “A”
- B. Town of Hudson, NH Road Guarantee Estimate Form for On-Site Work dated August 1, 2024 – Attachment “B”

DRAFT MOTION

I move to approve a bond amount of \$95,580.00 relative to the water and sewer improvements at 32 Ledge Road, Map 166/Lot 011-000 as presented in the memorandum from the Town Engineer, Elvis Dhima, to Jay Minkarah, Interim Town Planner, dated August 1, 2024, together with the Road Guarantee Estimate Form.

Motion by: _____ Second: _____ Carried/Failed: _____



TOWN OF HUDSON
Engineering Department




12 School Street · Hudson, New Hampshire 03051 · Tel: 603-886-6008 · Fax: 603-594-1142

INTEROFFICE MEMORANDUM

TO: Jay Minkarah, Acting Town Planner
Planning Department

FROM: Elvis Dhima P.E., Town Engineer

DATE: August 1, 2024 

RE: Ledge Road Subdivision - Water Sewer Bond Amount

The Planning Board currently approved the project listed above and the owner's engineer has submitted a bond amount for approval, which is related to water and sewer infrastructure.

Engineering Department recommends the approval of the bond amount of **\$95,580**.

Attachment "B"

TOWN OF HUDSON, NH ROAD GUARANTEE ESTIMATE FORM

I hereby certify that, in addition to any work already completed, the following itemized statement and estimate unit costs will complete all improvements required by the Hudson, NH Planning Board for the following Streets:

Owner/Developer Name: Boyer Revocable Trust of 2019

Date: 8/1/2024

Project Name: Ledge Road Subdivision

Map: 166

Lot: 11

Street Name: Ledge Road

Street Length: _____

	Amount			Total	Bond Remaining	Date
Clearing, 50' width	A.C.	@	\$10,000.00 = \$	-	_____	_____
Excavation	C.Y.	@	\$ 20.00 =	_____	_____	_____
Ledge Removal Mass	C.Y.	@	\$ 55.00 =	_____	_____	_____
Trench Ledge	C.Y.	@	\$ 75.00 =	_____	_____	_____
Drainage Swales	L.F.	@	\$ 15.00 =	_____	_____	_____
Drainage Swale w/Riprap	L.F.	@	\$ 15.00 =	_____	_____	_____
Hay Bale Dike	EA	@	\$ 5.00 =	_____	_____	_____
Silt Fence	L.F.	@	\$ 5.00 = \$	-	_____	_____
Storm Drains Size/Type						
12" RCP	L.F.	@	\$ 100.00 =	_____	_____	_____
12" HDPE	L.F.	@	\$ 75.00 = \$	-	_____	_____
15" RCP	L.F.	@	\$ 125.00 =	_____	_____	_____
15" HDPE	L.F.	@	\$ 85.00 = \$	-	_____	_____
18" RCP	L.F.	@	\$ 150.00 =	_____	_____	_____
21" RCP	L.F.	@	\$ 175.00 =	_____	_____	_____
24" RCP	L.F.	@	\$ 200.00 =	_____	_____	_____
30" RCP	L.F.	@	\$ 225.00 =	_____	_____	_____
36" RCP	L.F.	@	\$ 250.00 =	_____	_____	_____
6" PVC	L.F.	@	\$50.00 =	_____	_____	_____
Stormtech Systems	U	@	= \$	-	_____	_____
6" Underdrain	L.F.	@	\$ 50.00 =	_____	_____	_____
8" Underdrain	L.F.	@	\$ 60.00 =	_____	_____	_____
Additional Excavation for Structures	C.Y.	@	\$ 15.00 =	_____	_____	_____
Catch Basin Grate	U	@	\$ 1,000.00 = \$	-	_____	_____
4' Catch Basins	V.F.	@	\$ 500.00 =	_____	_____	_____
5' Catch Basins	V.F.	@	\$ 750.00 = \$	-	_____	_____
4' Drain Manholes	V.F.	@	\$ 500.00 = \$	-	_____	_____
5' Drain Manholes	V.F.	@	\$ 750.00 = \$	-	_____	_____
Drainage Manhole Covers	U	@	\$ 800.00 = \$	-	_____	_____
Headwalls	EA.	@	\$ 1,500.00 = \$	-	_____	_____
Rip-Rap	S.Y.	@	\$ 75.00 = \$	-	_____	_____

Town of Hudson Road Guarantee Estimate

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Subdivision Name: Ledge Road Subdivision

						Total	Bond Remaining	Date
Sanitary Sewer Size								
6" PVC Service Connection	25	L.F.	@	\$ 30.00	=	\$ 750.00	_____	_____
8" PVC								
0' - 12' Depth	110	L.F.	@	\$ 100.00	=	\$ 11,000.00	_____	_____
12' - 18' Depth		L.F.	@	\$ 110.00	=	_____	_____	_____
10" PVC		L.F.	@	\$ 125.00	=	_____	_____	_____
Sewer Manhole Grate and Cover		U	@	\$ 750.00	=	_____	_____	_____
Sanitary Sewer Manholes 4' dia.	3	V.F.	@	\$ 450.00	=	\$ 1,350.00	_____	_____
Sanitary Sewer Manholes 5' dia.		V.F.	@	\$ 550.00	=	_____	_____	_____
Service Cleanout		EA.	@	\$ 350.00	=	\$ -	_____	_____
Sewer Manhole Covers	3	U	@	\$ 800.00	=	\$ 2,400.00	_____	_____
Water Main Size (valves included)								
4" DIP Class 52		L.F.	@	\$ 100.00	=	_____	_____	_____
6" DIP Class 52		L.F.	@	\$ 100.00	=	_____	_____	_____
8" DIP Class 52	417	L.F.	@	\$ 100.00	=	\$ 41,700.00	_____	_____
10" DIP Class 52		L.F.	@	\$ 125.00	=	_____	_____	_____
12" DIP Class 52		L.F.	@	\$ 150.00	=	_____	_____	_____
T/S&V		L.F.	@	\$4,000.00	=	_____	_____	_____
Hydrants	1	EA	@	\$ 5,000.00	=	\$ 5,000.00	_____	_____
1" Copper Service (stops included)	4	EA.	@	\$ 750.00	=	\$ 3,000.00	_____	_____
Bank Run Gravel	38	C.Y.	@	\$ 30.00	=	\$ 1,140.00	_____	_____
Crushed Bank Run Gravel		C.Y.	@	\$ 35.00	=	\$ -	_____	_____
Sand Cushion	93	C.Y.	@	\$40.00	=	\$ 3,720.00	_____	_____
Hot Bituminous Pavement 28' width								
2 1/2" or 2" Base Course	11.5	TONS	@	\$ 110.00	=	\$ 1,265.00	_____	_____
1 1/2" Wearing Course Type F	7	TONS	@	\$ 125.00	=	\$ 875.00	_____	_____
_____ Other			@		=	_____	_____	_____
Tack Coat	8	GAL	@	\$ 50.00	=	\$ 400.00	_____	_____
Curbing								
Granite		L.F.	@	\$ 65.00	=	\$ -	_____	_____
Cape Cod		L.F.	@	\$ 35.00	=	_____	_____	_____
Street Light & Foundation		U	@	\$ 2,000.00	=	_____	_____	_____
Sidewalks								
5' Wide bituminous		S.Y.	@	\$ 75.00	=	\$ -	_____	_____
Loam and Seed								
Easement areas		L.F.	@	\$ 15.00	=	_____	_____	_____
R.O.W. areas	300	L.F.	@	\$ 15.00	=	\$ 4,500.00	_____	_____
Wetland Boundary Markers		U	@	\$ 250.00	=	\$ -	_____	_____

Subdivision Name: Ledge Road Subdivision

						Total	Bond Remaining	Date
Bounds and Pins								
Property Pins	3	EA.	@	\$ 350.00	=	\$ 1,050.00		
Road Bounds	3	EA.	@	\$ 500.00	=	\$ 1,500.00		
Stop Signs		EA.	@	\$ 200.00	=	\$ -		
Street Signs		EA.	@	\$ 200.00	=	\$ -		
As-Built Plans		L.F.	@	\$ 15.00	=	\$ -		
Landscaping								
Trees		EA.	@	\$ 500.00	=	\$ -		
Bushes		EA.	@	\$ 250.00	=			
Guard Rails		L.F.	@	\$ 100.00	=			
Utility Trench (Elec/Tel/TV)		L.F.	@	\$ 50.00	=	\$ -		
Other required improvements (itemize on separate sheet)		S.F.	@	\$ 1.00	=			
Subtotal:						\$ 79,650.00		
Mobilization (10% subtotal)						\$ 7,965.00		
Engineering & Contingencies (10% subtotal):						\$ 7,965.00		
Total Estimate						\$ 95,580.00		
Maintenance Level (10% of the Original Amount)						\$ 9,558.00		
Total Estimate:						\$ 95,580.00		

Prepares Name: _____ Date: _____