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Town Board meeting Tuesday, June 23, 2020

To Town Board Members and Lisa Potswald, Town Administrator

Attn: Micaela Montagne, Town Clerk

Public Comment from Gary Russell, Madeline Island Ferry Line RE: Dock project (Please distribute to Town board members and Lisa (this does not have to be read out loud by Micaela)

I am bringing my concern to you regarding the line item #7 in the Wren Works contract regarding sheet pile pinning for a total of \$176,700. I feel we should be furnished with information regarding how much drilling and pinning was actually done and how it was done before making any payment on item #7.

1. During the engineering and design phase, the town paid for harbor test borings in the area where the new dock improvements were proposed to be built. These test borings would show the areas of underlying sandstone or hard pan. These areas are different from normal rocks or boulders which are easily moved. These are areas of difficult pile driving and as a result the use of drilling and pinning may be necessary to secure the base of the piling into the hard layer. I would think that the engineers records should show where drilling and pinning took place, hopefully in the areas of sandstone or hard pan where the piling needs to be firmly secured.
2. If a lot of proper drilling and pinning took place it might be worth \$176,700 but it seems like a lot to me. I guess we have to go by the engineers records to see how much was actually done. I was personally around all winter and this spring and don't recall seeing a rented drilling machine operating on site. That is what is normally used for drilling and pinning. If a different technique was used to save money let's hear about that. We want to make sure the piling are properly secured.
3. I think Smith and Associates should do an investigation and give the Town Board a report of how much pinning was done, how it was done and where along the wall it was done. Then I think the Town will be better informed and can decide on the merit of the payment request for line item #7.

If anyone has any questions I will be glad to talk to you. I am not an engineer but have been around a few harbor projects. I want to see the town get it's moneys worth.

Gary Russell

Gary Russell
06/22/20

RECEIVED
JUN 23 2020
Initial: *dy*

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DOCK WIDENING

SHEET PILE SCHEDULE

LOCATION	SHEET TYPE	SHEET TIP EL	TIE-ROD EL	TIE-ROD SIZE	TIE-ROD SPACING	WALE SIZE
10+00 TO 11+38	NZ-19	582.5	600.0	1 3/4" Ø, GR. 150	9.2'	DBL C12x25, GR. 1
11+38 TO 12+10	NZ-19	587.0	600.0	1 3/4" Ø, GR. 150	9.2'	DBL C12x25, GR. 1
12+10 TO 12+54	NZ-19	591.0	600.0	1 3/4" Ø, GR. 150	9.2'	DBL C12x25, GR. 1
FERRY LANDING NORTH WALL	NZ-19	572.0	597.7	1 3/4" Ø, GR. 150	9.2'	DBL C12x25, GR. 1
FERRY LANDING WEST WALL	NZ-19	572.0	599.5	1 3/4" Ø, GR. 150	9.2'	DBL C12x25, GR. 1

NOTES:

1. HARD-BITE TIP IS REQUIRED DURING SHEET PILE INSTALLATION.
2. BACKFILL ABOVE WATER LEVEL SHALL BE COMPACTED IN 24" LIFTS TO 95% MODIFIED.
3. ELEVATIONS ARE IN NAVD 88 (FT)
4. ELEVATIONS ARE APPROXIMATE; TO BE FIELD VERIFIED. ANY DISCREPANCIES TO BE REPORTED TO ENGINEER FOR FURTHER INSTRUCTIONS.
5. IF EARLY REFUSAL IS ENCOUNTERED DURING DRIVING, CONTRACTOR TO CONFIRM REFUSAL IS DUE TO BED ROCK (NOT BOULDERS). RESULTS MUST BE CONFIRMED BY ENGINEER OF RECORD.
6. ~~BOULDERS~~ BOULDERS IN DRIVE LINE SHALL BE MOVED TO ALLOW FOR SHEET PILE DRIVING.
7. IF SHEETING EMBEDMENT DEPTH IS NOT REACHED. EVERY OTHER SHEET REQUIRES A SHEET PILE PIN INSTALLED INTO BEDROCK.

Scale 1/4" = 1'-0"

WALE SIZE	ASSUMED LAKE BED EL (FIELD VERIFICATION REQUIRED)
DBL C12x25, GR. 50	593 TO 595
DBL C12x25, GR. 50	595 TO 597
DBL C12x25, GR. 50	597 TO 605
DBL C12x25, GR. 50	588 TO 590
DBL C12x25, GR. 50	588 TO 590

