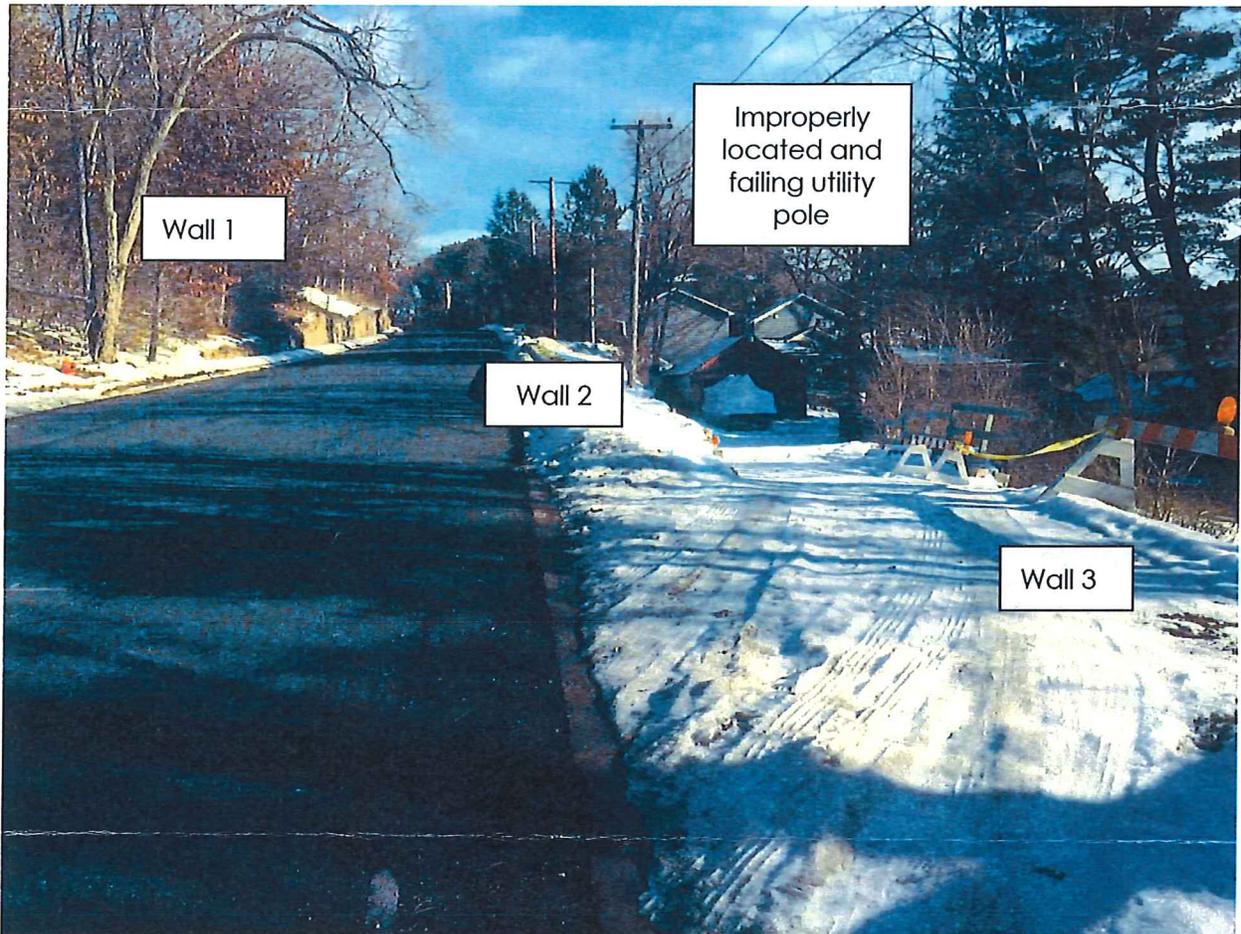


RECEIVED
FEB 17 2016
BY:

To: Village Board of Trustees
From: Greg Yuschak, Alice and Edward Oldfield
Date: Feb. 17, 2016

I am writing in regards to a series of 3 walls constructed by the village in 1990 as part of the "Riverside Drive Improvement Project".

All 3 walls in the vicinity of 1004 Riverside Dr N are in various stages of failure and pose safety risk to pedestrians, vehicles and property.

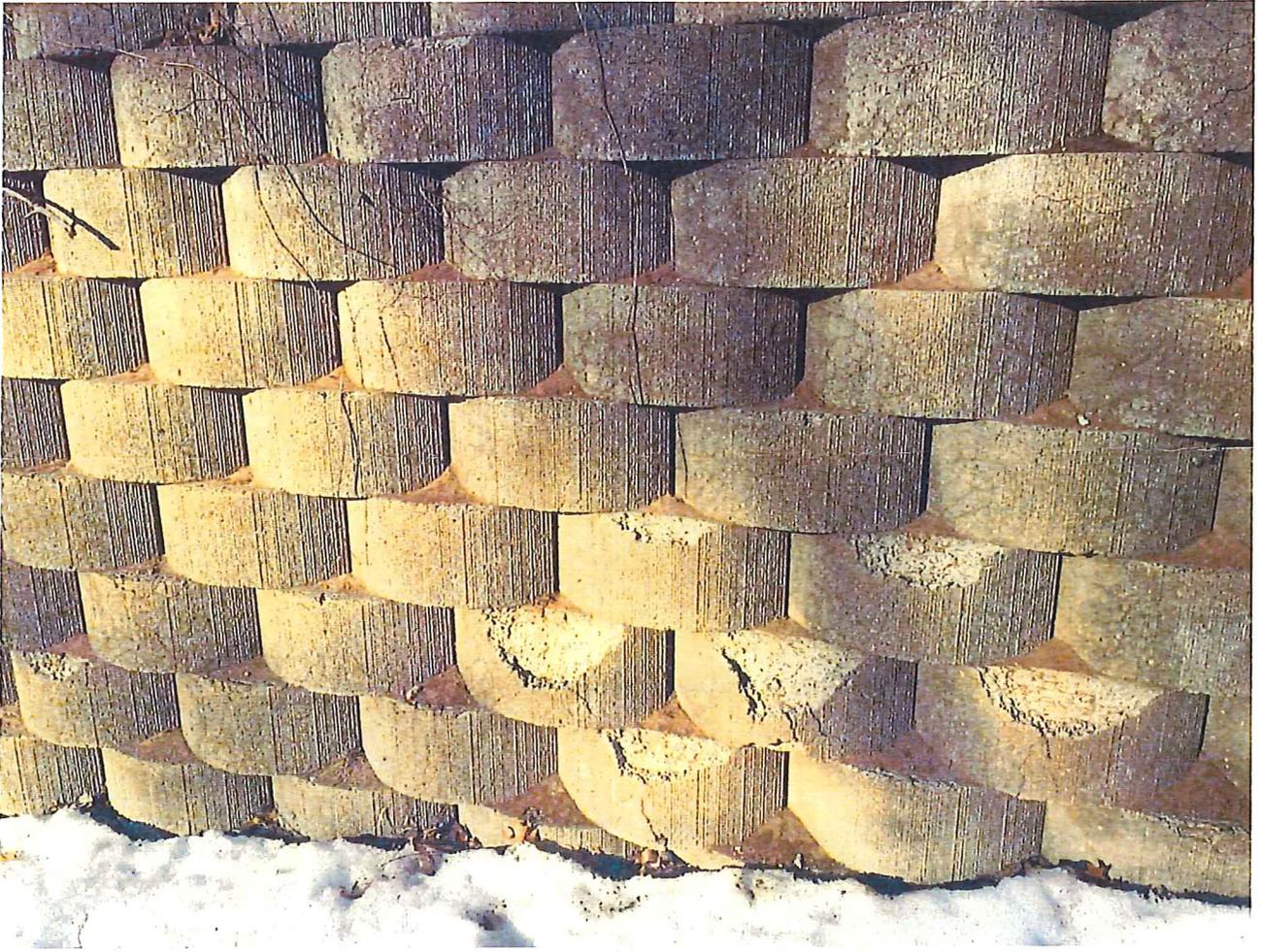


Site Layout

1. Wall 1 on north side of Riverside Dr N

- a. Numerous signs of deterioration
 - i. 3 degrees of lean downward
 - ii. Crumbling (scaling), wash-through, open joints, and deterioration of blocks at multiple levels. Most capstones are fully deteriorated.





2. Wall 2 on south side of Riverside Dr N

- a. Numerous signs of deterioration
 - i. 3 degrees of lean downward
 - ii. Crumbling (scaling), wash-through, open joints, and deterioration of blocks at multiple levels. Most capstones are fully deteriorated.
 - iii. Utility pole is deteriorated and has inadequate line clearance
 - iv. There is only one drain for this wall which has no guarding for rodent intrusion



3. Wall 3 on south side of drive

- a. Displayed same symptoms described above before total collapse occurred in Nov. 2015



All 3 walls were built to replace existing walls as a single Public Works project and need to be replaced as single engineered project. Wall 3 cannot be repaired, as an independent project, because it will require re-grading of the driveway which will potentially undermine Wall 2. Additionally it will need to be excavated in the near future for the replacement of Wall 2.

Repairs to Wall #2 will require major excavation to correct lack of drainage and build proper foundation. There is a power pole located inches from Wall 2 that is at the end of useful life and it is not tall enough for adequate road surface to line clearance. It needs to be relocated in order to correct that situation.

Safety concerns:

Wall 1

There is a high potential for collapse onto Riverside drive causing damage to cars and injury to pedestrians.

Wall 2

Collapse may take down power pole – property damage, electrical outage, and the potential to cause injury/death

Undermines and may cause collapse of Riverside Drive

Wall 3

Remainder of wall is unstable and blocks could fall onto children playing on the debris.

We would appreciate if this topic was added to the March agenda of the Village Board meeting, as the damage due to freeze/thaw is accelerating the rate of deterioration and further collapse is likely to occur with the arrival of spring.

Thank you for your attention to this matter.

Sincerely,



Greg Yuschak
1004 Riverside Dr N
Hudson, WI 54016
612-812-8835



Alice Oldfield
922 Sally's Alley
Hudson, WI 54016
715-808-8451

**Riverside Drive - Retaining Wall Replacements
Village of North Hudson, WI**

Cedar Corporation Opinion of Probable Costs
Date: 4-14-16
Estimate Prepared By: KRO



Lower Driveway Retaining Wall Replacement

Assumptions: Approx 85 linear feet of wall replacement with an average height of 6 feet
No sheet piling required to stabilize upper retaining wall
No handrail included at top of wall

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
REMOVE EXISTING COLLAPSED WALL	L.S.	1	\$3,500.00	\$3,500.00
MSE RETAINING WALL	S.F.	570	\$60.00	\$34,200.00
6" CRUSHED AGGREGATE BASE	C.Y.	25	\$30.00	\$750.00
SUBTOTAL				\$38,450.00
CONTINGENCY - 5%				\$1,920.00
TOTAL ESTIMATED COST				\$40,370.00

Upper Driveway Retaining Wall Replacement

Option 1 - MSE Wall

Assumptions: Approx 125 linear feet of wall replacement with an average height of 6 1/2 feet
Remove and replace existing guard rail
Sheet piling behind existing curb & gutter during construction
Adequate spacing for geo-grid
No repairs required to roadway

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
REMOVE EXISTING RETAINING WALL	L.S.	1	\$7,500.00	\$7,500.00
STEEL SHEET PILING	S.F.	900	\$60.00	\$54,000.00
REMOVE AND REPLACE EXISTING GUARD RAIL	L.S.	1	\$10,000.00	\$10,000.00
MSE RETAINING WALL	S.F.	900	\$60.00	\$54,000.00
RESTORATION	S.Y.	200	\$4.00	\$800.00
SUBTOTAL				\$126,300.00
CONTINGENCY - 5%				\$6,320.00
TOTAL ESTIMATED COST				\$132,620.00

Option 2 - Steel Sheet Piling

Assumptions: Approx 125 linear feet of wall replacement with an average height of 6 1/2 feet
Leave existing retaining wall in-place and install steel sheet piling in front
Install pea gravel for drainage between sheet piling and existing wall

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
STEEL SHEET PILING	S.F.	1500	\$60.00	\$90,000.00
PEA GRAVEL	C.Y.	50	\$30.00	\$1,500.00
RESTORATION	S.Y.	200	\$4.00	\$800.00
SUBTOTAL				\$92,300.00
CONTINGENCY - 5%				\$4,620.00
TOTAL ESTIMATED COST				\$96,920.00

Option 3 - Soldier Pile Wall

Assumptions: Approx 125 linear feet of wall replacement with an average height of 6 1/2 feet
Leave existing retaining wall in-place and install soldier pile wall in front
Install pea gravel for drainage between soldier piling and existing wall

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
SOLDIER PILE WALL	S.F.	900	\$170.00	\$153,000.00
PEA GRAVEL	C.Y.	50	\$30.00	\$1,500.00
RESTORATION	S.Y.	200	\$4.00	\$800.00
SUBTOTAL				\$155,300.00
CONTINGENCY - 5%				\$7,770.00
TOTAL ESTIMATED COST				\$163,070.00

Retaining Wall along North Side of Galahad Road

Assumptions: Approximately 275 linear feet of wall replacement with an average height of 5 feet

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
REMOVE EXISTING RETAINING WALL	L.S.	1	\$7,500.00	\$7,500.00
MSE RETAINING WALL	S.F.	1500	\$60.00	\$90,000.00
SUBTOTAL				\$97,500.00
CONTINGENCY - 5%				\$4,880.00
TOTAL ESTIMATED COST				\$102,380.00

