Public Works staff report for the retaining wall at 332 Jessamine Ave.

(between Westminster St. and Mississippi St).



Aerial photo with property lines JESSAMINE AVE E

Current wall condition

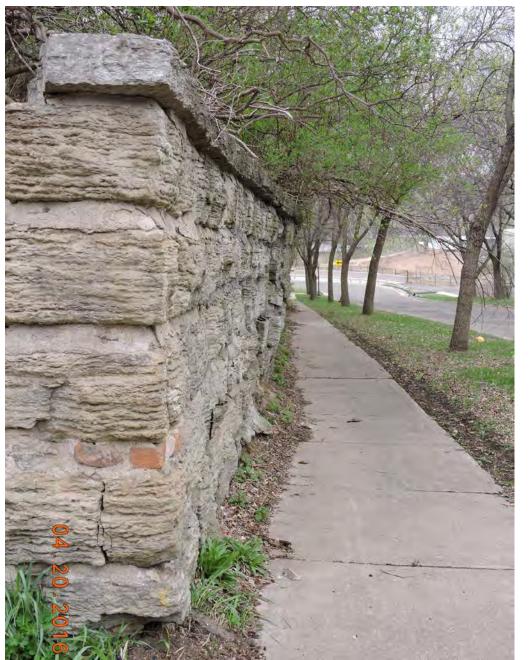
Loss of mortar joints



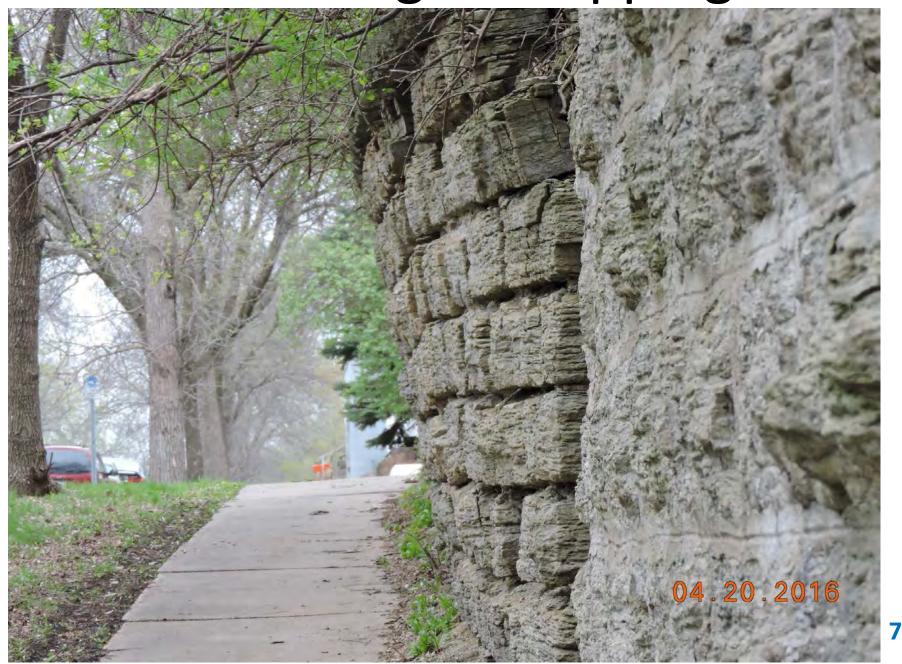
Delamination of limestone face



Bowing and tipping



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No records of a permit for wall construction has been found in City records, or historical records.

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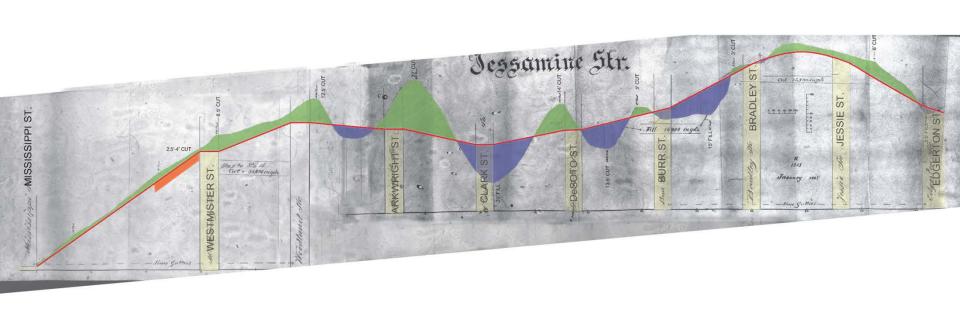
Public Works has located records of the original construction of Jessamine Ave. Circa 1887.

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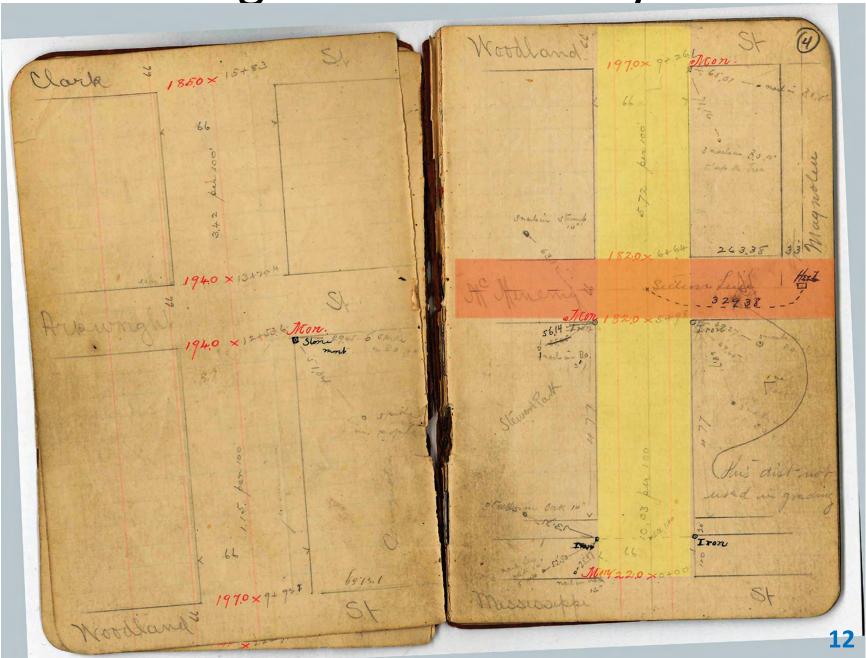
Public Works has located records of the original construction of Jessamine Ave. Circa 1887

- 1) Original 1887 Contract, plan and Specifications
- 2) Original 1887 road survey

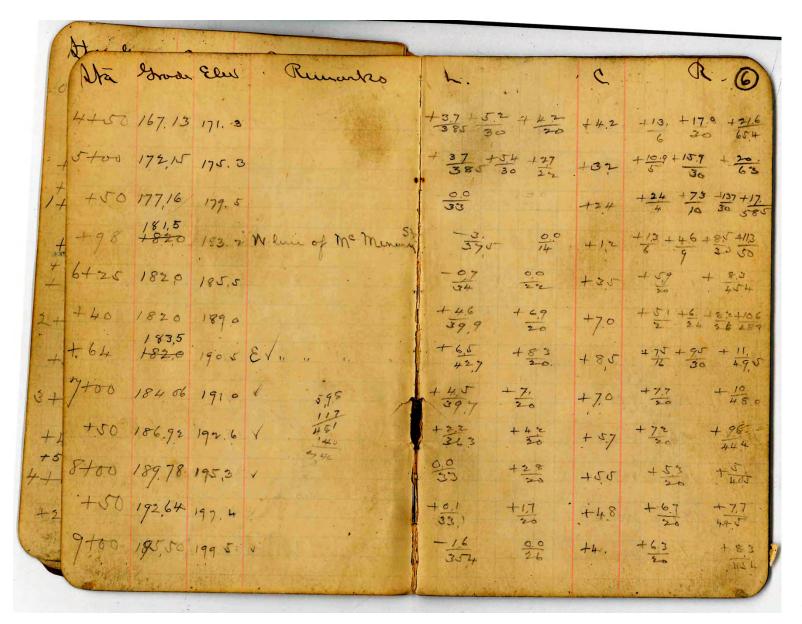
Original grading plan

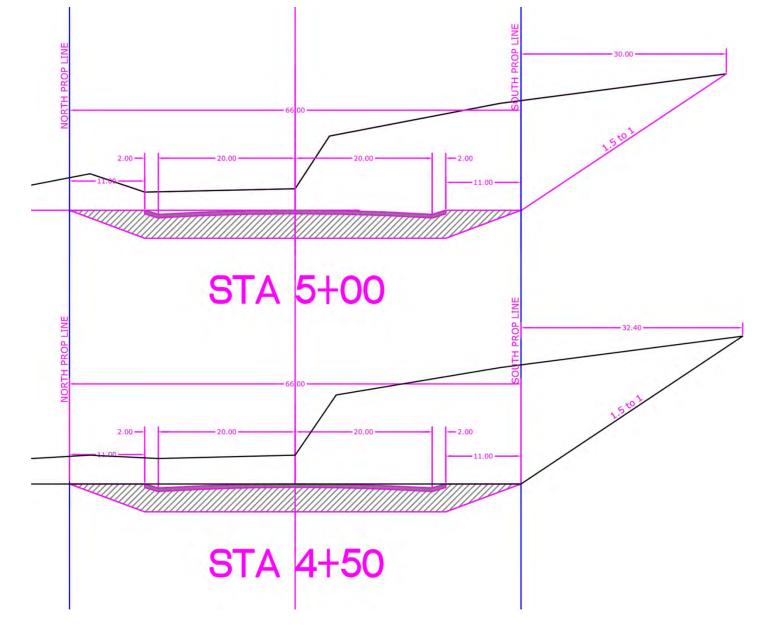


Original 1887 survey

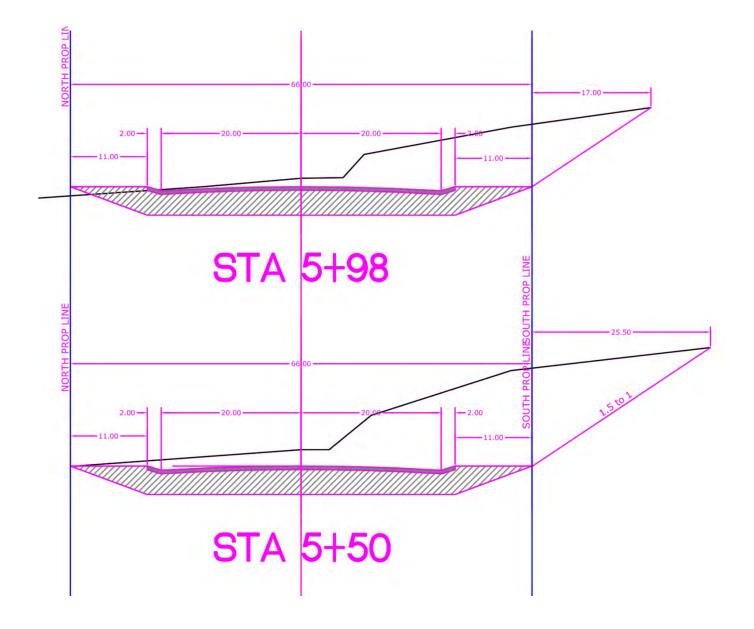


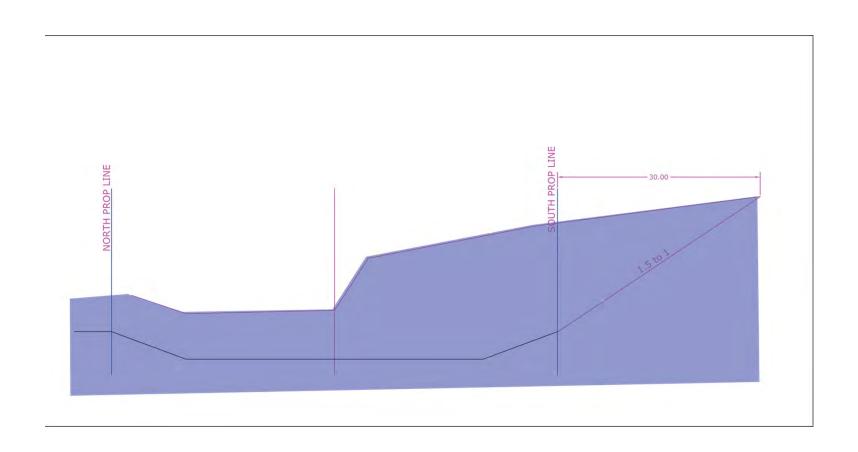
Original 1887 survey

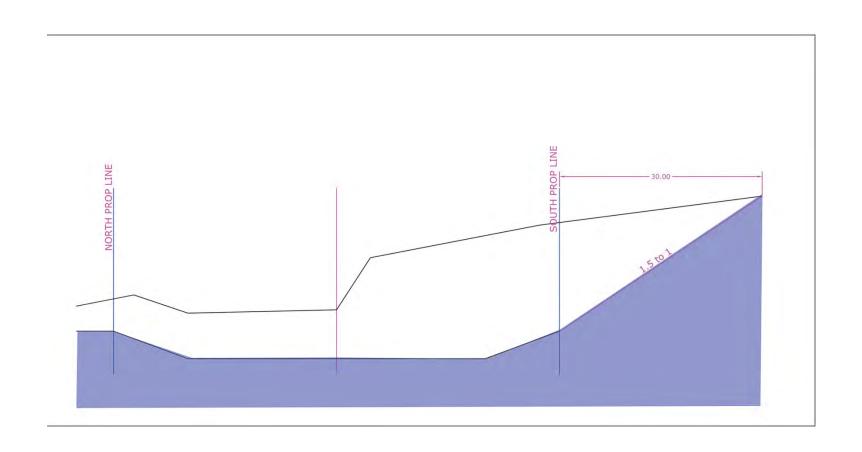


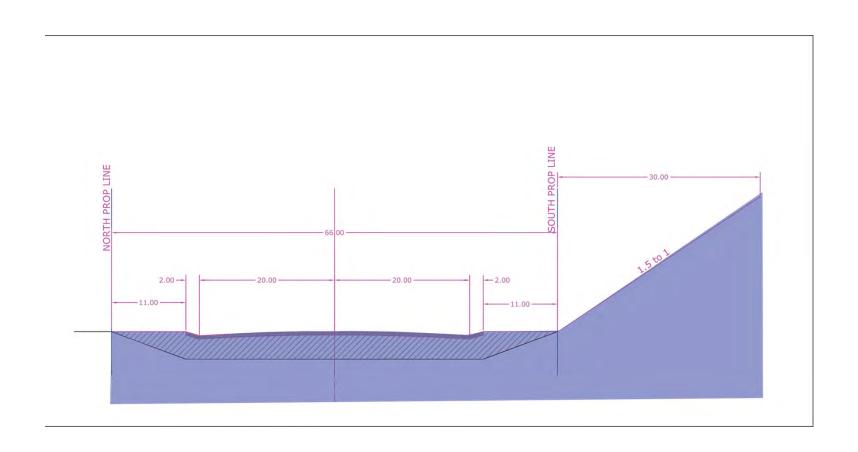


Road construction cross-sections 14









JESSAMINE ST-ERGETTON & MISSISSIPPI, 386" F	
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DEPARTMENT OF PUBLIC WORKS.	
CITY OF SAINT PAUL	
	CO
SPECIFICATIONS FOR THE IMPROVEMENT OF	
Jessamine Thut	-13
Mississippi Strut	
El andre Whit	
angeran.	
	-
GRADING	
The street shall be graded to its full width, with slopes of one and one-half to one, except where other-	
wise ordered, and finished with roadway, gutters and sidewalk levels as shown by plan.	811
The approaches on cross streets and alleys, except	8

width in the latter, and side slopes of one and one-half to one, with grades of not more than /2
feet in one hundred, and less if required for drainage or for material necessary to make the embankment.

feet in the former case, and the full

shall be connected with a roadway of not less than

Original
1887
Jessamine
construction
contract.

The contractor shall furnish all material required for embankment and surfacing not found on the line of the street.

The contractor shall replace at line and grade, all sidewalks and fences disturbed by him in the prosecution of his work, and leave them in as good condition as found. He shall, in no case disturb any shade tree, except by special order of the Engineer, and setting out and marking stakes shall not be considered such order.

SURFACING.

The top nine inches of all the roadway shall consist of the best material found on the line of the improvement, from which shall be removed all stones larger than two inches in diameter. In case a sufficient amount of material to form a solid, substantial roadway, cannot be found on the line of the improvement, the contractor shall procure a covering of loam, nine inches deep, to supply the deficiency.

Paved gutters shall be built as shown on the plan, of sound quarried stone set on edge, said stone to be not less than nine inches in depth and one foot in length, not less than four inches nor more than six inches in thickness, the ends and face squared with a harmer; the joints closely fitted, the spaces completely filled with same and the whole well rammed.

Original 1887 Jessamine construction contract.

Current slope condition west of the walls.



Public Works Staff findings

- 1) The wall is constructed almost entirely on private property, with the east front face of wall extending 0.1 feet on to City right of way and the west end of the wall entirely on private property.
- 2) There is no known construction permit for this wall, and a construction date can not be determined.
- The wall was not constructed under the original 1887 road construction contract.
- 4) The road construction resulted in 1.5 to 1 out slopes.
- 5) A 1.5 to 1 slope does not require additional lateral support.
- 6) A wall at this location was not necessitated by the 1887 City contract for the construction of Jessamine Ave.

Questions?