

**Gasb 34 Footages for Historical Cost**  
**Drain Length Log**

Drain-Improvement: MARGARET CADE - E.E. PONSLER

Drain Type:	Size:	Length ( )	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
TILE	12"	2762'	n/a		4. <sup>00</sup> /lf	11048. <sup>00</sup>

Sum: 2762' n/a \$11048.<sup>00</sup>

Final Report: n/a

Comments:

---



---



---



---



---

See Map 2422

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town	Range	ACRES BENEFITED Acres Hand.	AMOUNT OF BENEFIT Dols.	
					<p>In the Hamilton Circuit Court April Term 1916.</p> <p>In the Matter of the Elmer Ponsler <sup>et al</sup> Petition for Drain Report of the Drainage Commissioners &amp; the Engineer, To the Honorable Judge of the Hamilton Circuit Court.</p> <p>We, the undersigned Commissioners of Drainage, to whom was referred the above entitled petition for the drainage of certain lands in Adams and Washington Townships, Hamilton County, Indiana, respectfully report that we met on the first day of May 1916 at 9.00 A.M. at the upper end of the proposed drain and proceeded to view and lay out, and examine said proposed drain and lands likely to be affected thereby.</p> <p>We would respectfully report, that the drainage as proposed is practicable, that the same when completed will improve the public health and will be of public utility; that there will be two public highways benefited by said drainage</p> <p>We would further report, that the cost of construction, damages and expenses of effecting said proposed drain will be less than the benefits to the owners of the lands likely to be benefited by said proposed drainage.</p> <p>We would further report that we have definitely determined the best and cheapest method of drainage of said lands; we have fixed the route; location and character of said proposed work and fixed the same by metes and bounds, courses, distances, and descriptions, guides and bench marks, including all arms and branches so as to provide for the complete drainage of the lands to be effected by the proposed work.</p> <p>That we have divided the ditch or drain into sections not more than one hundred feet in length, and we have assigned the benefits and damages as the case may be to each separate tract of land and to each corporation and township affected. That we have fixed the beginning and outlet so as to secure the best results, and we have run the line of said ditch so as to secure the best results and cause the least possible injury to the lands affected and so as to benefit the public highways. We have divided the drain into stations 100 feet in length by setting stakes at each 100 feet and numbering from station 0 to station 30 plus 63 feet.</p>						

DITCH, BY *W. T. Baker*COUNTY SURVEYOR, *May*

1916

## ORIGINAL SPECIFICATIONS

## DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE

Width at  
TopDepth of  
CutWidth at  
Bottom*Location*

Begin at the center of the NW<sup>4</sup> of section 15, Township 19 north, Range 3 east in Hamilton County, Indiana; run thence North 1700 feet; thence North 6 degrees East 100 feet; thence north 24 degrees east 100 feet; thence north 41 degrees east 862 feet; thence north 82 degrees east 301 feet, and terminating in what is known as The Margaret Cade ditch at a point about 680 feet north, and 300 feet east of the center of the SW<sup>4</sup> of section 10 Township 19 north, range 3 east.

*Requirements.*

To consist of one row of 12 inch tile from station 0 to station 27 plus 56 feet and 6 feet of 12 inch vitrified sewer tile from station 27 plus 56 feet to station 27 plus 62 feet and  
*see plans*

*Retaining Wall.*

at station 27 plus 62 feet (at the end of the tile) to be constructed a retaining wall of reinforced concrete 24 feet long by 8 feet high (see plans) thickness at base to be 24 inches and taper to a thickness of 18 inches at the top. Top of wall to be sagged from ends to center - center being one foot lower than the ends. Foundation to be made two feet below the grade of the tile, said grade to extend for the full length of the wall construction.

Wall to be constructed of concrete made from one part Portland Cement to six parts clean sand and gravel. Mixture to be made as wet as is consistent with satisfactory placing and spaded into place without delay. Gravel and sand must be suitable to the superintendent of construction.

Forms - Neat forms of lumber shall be built to receive the concrete, said forms to be built of evenly matched lumber and be thoroughly braced so as to provide for the tendency to bulge or spring out of line. The forms for the face side of the wall shall be made free from blemishes so as to present a smooth appearance when forms are removed.

*Water Table*

On the downstream side and connected to and made a part of the foundation of the wall shall be constructed a water table 8 feet by 6 feet by 1 ft.

# Apportionment for Keeping in Repair the

Win. B. Burford, Blank Book Mfr., Indianapolis.

Share No.	From Station No.	To Station No.	Feet Long	NAME TO WHOM APPORTIONMENT IS MADE	DESCRIPTION OF LAND BENEFITED	Section	Town.	Range	ACRES BENEFITED		AMOUNT OF BENEFITS			
									Acres	Hund.	Dols.	Cts.		
					<p>in thickness, said water apron or Table to be placed so as top of same shall be 2 inches below the grade of the tile and slope downstream <math>\frac{1}{4}</math> inch to each foot of its length.</p> <p style="text-align: center;"><u>Tile.</u></p> <p>All tile and materials used in the construction of the work to be first class in every respect, and subject to the approval and inspection of the Superintendent in charge of the work before being used by the Contractor.</p> <p style="text-align: center;"><u>Ditching</u></p> <p>After the ditch has been dug to the proper grade the tile shall be laid in the trench at the correct grade as shown on the profile herein attached with the joints well matched and left uncovered until inspected and accepted by the Engineer in charge of the work, after which they shall all be covered and the ditch filled for a depth of 24 inches and well packed so that no settlement may occur.</p> <p style="text-align: center;"><u>Grubbing</u></p> <p>All trees and brush must be cleared for a distance of 25 feet on each side of the ditch.</p> <p style="text-align: center;"><u>Connections.</u></p> <p>The contractor will be required to make suit. with all tile drains already in place and the c. been estimated in this report.</p> <p style="text-align: center;"><u>Catch Basin.</u></p> <p>At station 6 plus 42 feet shall be constructed a Catch Basin with grated iron covering of the E. Works pattern or its equal. The above mentioned to be built of concrete, mixture to be one part C. to five parts clean sand and gravel and covered in ring and open cover of above mentioned pattern, diameter to be 22 inches in diameter. Said C. to be three feet in diameter inside measurement to be 8 inches thick and extend to a depth of 18 in the grade of the tile and to a height to conform general conditions of the ground. The bottom of basin to be 6 inches thick.</p> <p>All inlet tile and all outlet tile to the c. must be vitrified sewer pipe.</p>									

ORIGINAL SPECIFICATIONS			DESCRIPTION OF THE MANNER IN WHICH THE WORK SHALL BE DONE		
Width at Top	Depth of Cut	Width at Bottom			
			<p>NB - The headwall must be placed across the ditch so as to give suitable outlet for the tile already in place, and 6 foot of vitrified sewer pipe must be placed at the end of each row of tile that is now in place. That is that 12 feet of 8 inch and 6 ft of 10 inch vitrified sewer pipe will be needed to make the necessary connections to the headwall for the tile already in place.</p> <p style="text-align: center;">Open Ditch</p> <p>From Station 27 plus 62 feet to station 30 plus 63 feet shall be constructed an open ditch 18 inches wide in the bottom of ditch and cut with side slopes of 1 foot to 1 ft or 45 degrees slopes and cut to the grade as shown on the profile.</p> <p>All shrubbery, bushes, weeds, and briars shall be cut from banks of the ditch for a distance of 25 feet on each side of the same.</p> <p style="text-align: center;"><u>Profile of Ditch on the Elmer Ponder et al Drain.</u></p>		
Station	Hub Cut	Mud Cut	Station	Hub Cut	Mud Cut
0	3.12		19	4.93	
1	3.40		20	4.75	
2	3.40		21	4.99	
3	3.63		22	5.27	
4	3.38		23	5.05	
5	3.34		24	5.00	
6	3.04		25	5.09	
G+40	2.34		26	5.44	
7	4.03		27	5.74	
8	3.97		27+62	{ 2.84 3.15 }	2.09
9	3.94		28	6.54	0.70
10	4.20		29	6.82	0.45
11	3.56		30	7.08	0.50
12	4.48		30+63	7.47	0.00
13	4.34				
14	4.15				
15	3.85				
16	4.17				
17	4.68				
18	4.80				