Gasb 34 Footages for Historical Cost

Drain-Improvement: ANNA ICENDALL 1995 DRAIN RECONSTRUCTION

Drain Type:	Size:	Length:	Price:	Cost:
OPEN DITCH		3900'	4 19.50/H	\$76,245
				<u> </u>
			<u> </u>	
				<u> </u>
<u> </u>				
	····			
	<u>-</u>			
		- 	-	<u>,</u>

Sum:	3900'
------	-------

Final Report: 5900





Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230 May 17, 1995

TO: Hamilton County Drainage Board

RE: Anna Kendall Drainage Area

Attached is a petition, plans for reconstruction, drain map and drainage shed map for the Anna Kendall Drainage Area. At this time the Anna Kendall Drain is number thirteen (13) on the 1995 Classification List for Reconstruction.

The Anna Kendall Drain was constructed in 1881 through petition to the Hamilton County Circuit Court. This drain is 21.800 feet of open ditch constructed at a cost of \$2,124.04. The drain was repaired in 1891, 1898, 1908, 1912, 1916, 1918, 1923, 1934, 1936, 1938 and 1940. At sometime between 1908 and 1912, a tile was installed between STA 0 to STA 16+15. records fall silent as to when this was done. However, the 1908 record shows the above named section as open ditch, whereas in 1912 record of the open ditch cleaning begins at STA 16+15. tile is believed to be a twelve (12") inch tile. In 1970 the tile outlet was improved by the removal of the old headwall and the installation of a drop structure and clean out of 900 feet of the open ditch. Other than the tiling of the open ditch from STA) to STA 16+15, the drain has remained unchanged from it's 1881 description.

The proposed reconstruction of a portion of the open has been petitioned by Ralph Wilfong. In order to provide an adequate outlet for the proposed Quail Ridge and Pine Ridge Subdivisions. This reconstruction will be done between State Road #32 and Westfield Blvd. The work involved includes ditch bank clearing, dredging of the open ditch, installation of silt basins, placing tile outlet pipes onto tile drains entering the open ditch, removal of the culvert under the abandoned Central Indiana Rail Road and seeding.

Also included is the replacement of the current bridge at Oak Ridge Road. The replacement of the structure is an issue which is unresolved at this time. Cost of the replacement structure under IC 36-9-27-71, falls to the owner of the road. This portion of the road has now been annexed to the Town of Westfield. However, under IC 8-16-3-1 and 1.5. The cost of the structure may be assessed to Hamilton County. On September 12, 1994, the Hamilton County Commissioners moved that Structures under twenty (20') feet in length shall not be replaced by the Hamilton County Highway Department. If within a Town or City. (see Hamilton County Ordinance 9-12-94A, memo from Les Locke, Hamilton County Highway Engineer, dated February 16, 1995. Due to this impasse between the Town of Westfield and Hamilton County, I proposed that both be assessed the full cost of the structure, until a solution is reached by both parties. I estimate this cost to be \$85,635.00.

The cost of the proposed reconstruction, minus the cost of the structure under Oak Ridge Road, will be paid for by the petitioner, Mr. Wilfong. I believe that no damages will occur to the owners of land along the drain. Therefore, damages for the project should be set at \$0.00 for all tracts for the reconstruction.

The Anna Kendall Drain is the outlet subsequent to four (4) other regulated drains. The E. M. Osborne, Goodrich Brothers, Westfield Park and J. M. Thompson Drains utilize the Kendall as an outlet. I recommend that the J. M. Thompson, E. M. Osborne, Goodrich Brothers and Anna Kendall drains be combined under IC 36-9-27-41 for purposes of maintenance and an overall maintenance program be implemented to be known as the Anna Kendall Drainage Area. The landowners within the drainage shed for the Westfield Park Drain would be assessed for both the Westfield Park Drain and the proposed Anna Kendall Drainage Area.

The J. M. Thompson Drain was reconstructed and placed on maintenance at a hearing on December 12, 1989 (see report dated November 20, 1989) This drain consists of a feet of storm sewer and open ditch. The presently is assessed at a rate of \$5.00 per acre, with a \$25.00 minimum, which brings in an annual assessment of \$11,675.78. The current fund balance is \$25,031.26.

The E. M. Osborn Drain was placed on maintenance at hearing on July 25, 1994 (see report dated May 19, 1994). This drain consists of 12,884 feet of tile drain. The drain presently is assessed at a rate of \$5.00 per acre, with a \$25.00 minimum, which brings in #3411.54 annually. At this time the fund balance is \$0.00.

The Goodrich Brothers Drain was constructed in 1905 through the Hamilton County Commissioners. This tile drain consisted of a main and two (2) Arms and was 3485 feet in length. This drain was reconstructed by the Town of Westfield in 1979 as part of the Park Street improvements. The drain was reconstructed again in 1988 by Hardees Food Systems, Inc. The drain now consists of 2029 feet of tile drain and storm sewer. This drain is not currently on a maintenance program.

The Westfield Park Drain was constructed in 1986 and added to in five (5) phases, all by petition to the Drainage Board. (see reports dated July 8, 1988, July 25, 1988, August 7, 1989, November 15, 1991 and December 17, 1993) This drainage system serves the commercial developments of Westfield Park and Sun Industrial Park. At this time the drain is assessed at a rate of \$5.00 per acre and \$50.00 minimum. This assessment would remain in effect under this proposal. The annual assessment totals \$2,407.08. Currently the fund balance is \$7302.16.

The total footage for the drain area is as follows:

	Tile	Open	Total
Anna Kendall	1615	20,185	21,800
Goodrich Brothers	2029	0	2,029
J. M. Thompson	6701	3,260	9961
E. M. Osborn	12,884	0	12,884
TOTAL	23,229	23,445	Ale, 6274

As stated above, I recommend that the Board place this drain on maintenance at this time. The nature of the work required is as follows:

- A. Clearing of trees and brush on the existing open ditch;
- B. Creation and re-excavation of silt basins;
- C. Re-excavation of open ditch to original grade line;
- D. Surface water structure as might be required;
- E. Bank erosion protection and/or seeding as might be required;
- F. Repair of private tile outlet ends as might be required;
- G. Repair of regulated drain tile outlets;
- H. Repair of broken tile on regulated drains;
- Removal of debris and/or blockages from regulated tile and open ditch;
- J. Installation of breather pipes as might be required;
- K. Cleaning and/or repair of existing catch basin and tile as might be required;
- I. Any other repairs deemed to be applicable and necessary by the Surveyor to restore the drain to it's original intended use and condition.

The frequency with which maintenance work should be performed is annually as required by the condition of the drain.

I estimate the amount of the annual cost for periodic maintenance of this drain will be \$35,350.00 and attached hereto is the name and address of each owner, the legal description as shown by the tax duplicate or record of transfers by the county, wherein the land is situated, which lands, in my opinion, will be affected by the proposed improvement and the public roads or highways owned by the county or by the State of Indiana by name or number and the Right-of-Ways of railroads by section, township, and range.

The drainage shed consist of 2,668.76 acres with 577 lots under one (1) acre. Upon considerating each parcel individually, I believe that each parcel will have equal benefits as provided by the drain. Therefore, I recommend the Board assess the benefitted parcels at a rate of \$5.00 per acre with a \$25.00 minimum. This will provide an annual collection of \$35,348.00.

The collections for the E. M. Osborn and J. M. Thompson Drains will be discontinued. The fund balances for these drains will be used for payment of work done on these, drains until drawn down to \$0.00. Afterwards, the cost of work done the these drains will come from the Anna Kendall Drainage Area fund.

I believe the drains within the proposed drainage area meets the requirements for Urban Drain classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend the Board set a hearing for this proposal for July 1995.

Kenton C. Ward

Hamilton County Surveyor

KCW/no

	To:	Hamilton Count	y Drainage Board	
	Re:	In the matter	of the Anna Kero	Drain Petition
	reco	ilton County Dra	undersigned individua inage Board, per IC 3 he above referenced r the following:	6-9-27, for the
	1.	They are owners land area alleg drain.	of ten percent (10%) ed by the petition to	in acreage or more of be affected by the
	2.	That as propert qualified petit		lrainage shed, they are
	3.	That they now din _ washare		rain be reconstructed
	4.	public drainage marked Exhibit proposed drainage	are attached hereto, "A", which area of lage area is located in	
	5.	That the propose	ed reconstruction con	sist of DREDGT-6 OF THE
		OPE DITEM	Between STRO 32	And WESTFIELD PARK AUS.
			1	•
	6.	expenses of the	proposed improvement will result to the ow	er, the costs, damages, and will be less than the ners of the land to be
	7.		e public health; bene	he proposed improvement fit a public highway; and
	8.	That Petitioners costs including dismissed.	s shall pay the cost engineering expenses	of notice and all legal if the petition is
	9.			uired, to pay the cost of se the improvement is not
-95 _/	Sigr	h Welfox	Printed Name RACPH WILFONT	Printed Address 1350 Greyhours of 46032
				· ·
			-	
			<u> </u>	
	(4)		· · · · · · · · · · · · · · · · · · ·	8 × .
	240 S	*		e v
		*,		
		-		3

To: Hamilton County Drainage Board

Re: Anna Kendall Reconstruction

Attached are as-builts, certificate of completion & compliance, and other information for the **Anna Kendall Reconstruction**. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction of the drain there were not any significant changes made to the plans submitted with my report dated May 17, 1995. Therefore, the length of the drain remains at **21,800** feet.

All expenses for the reconstruction of the Anna Kendall were met by Ralph Wilfong.

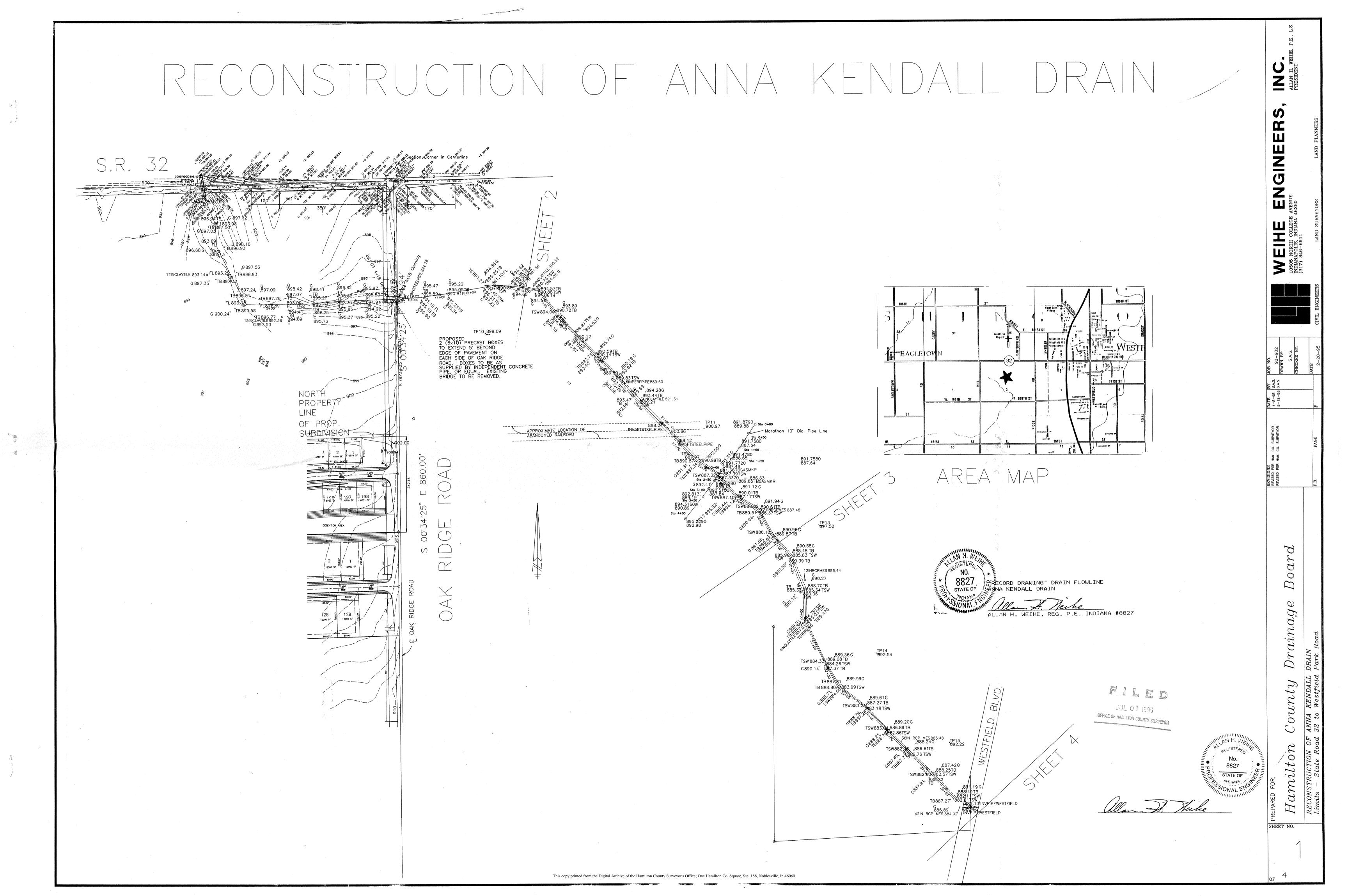
I recommend the Board approve the drains construction as complete and acceptable.

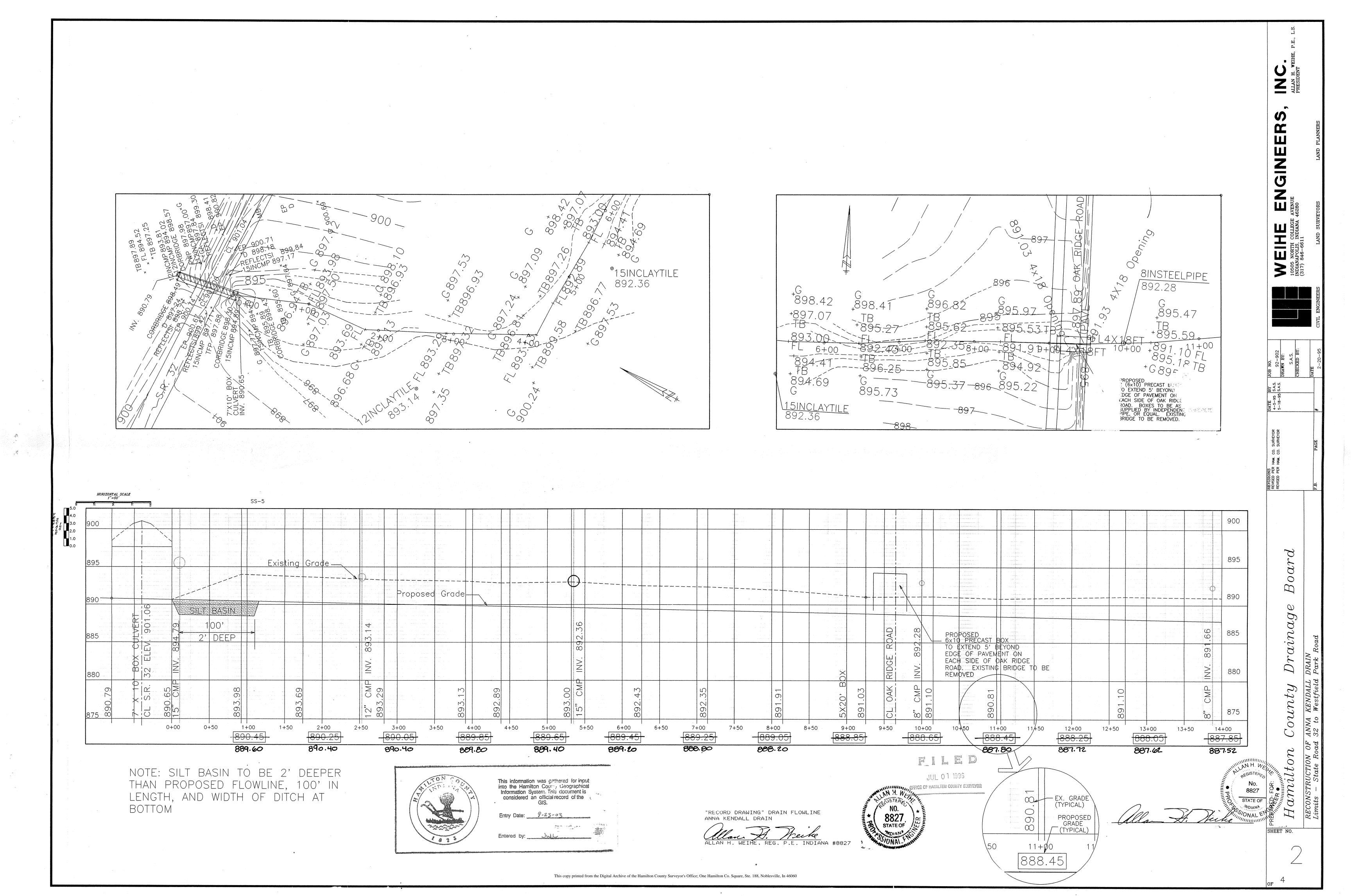
Sincerely,

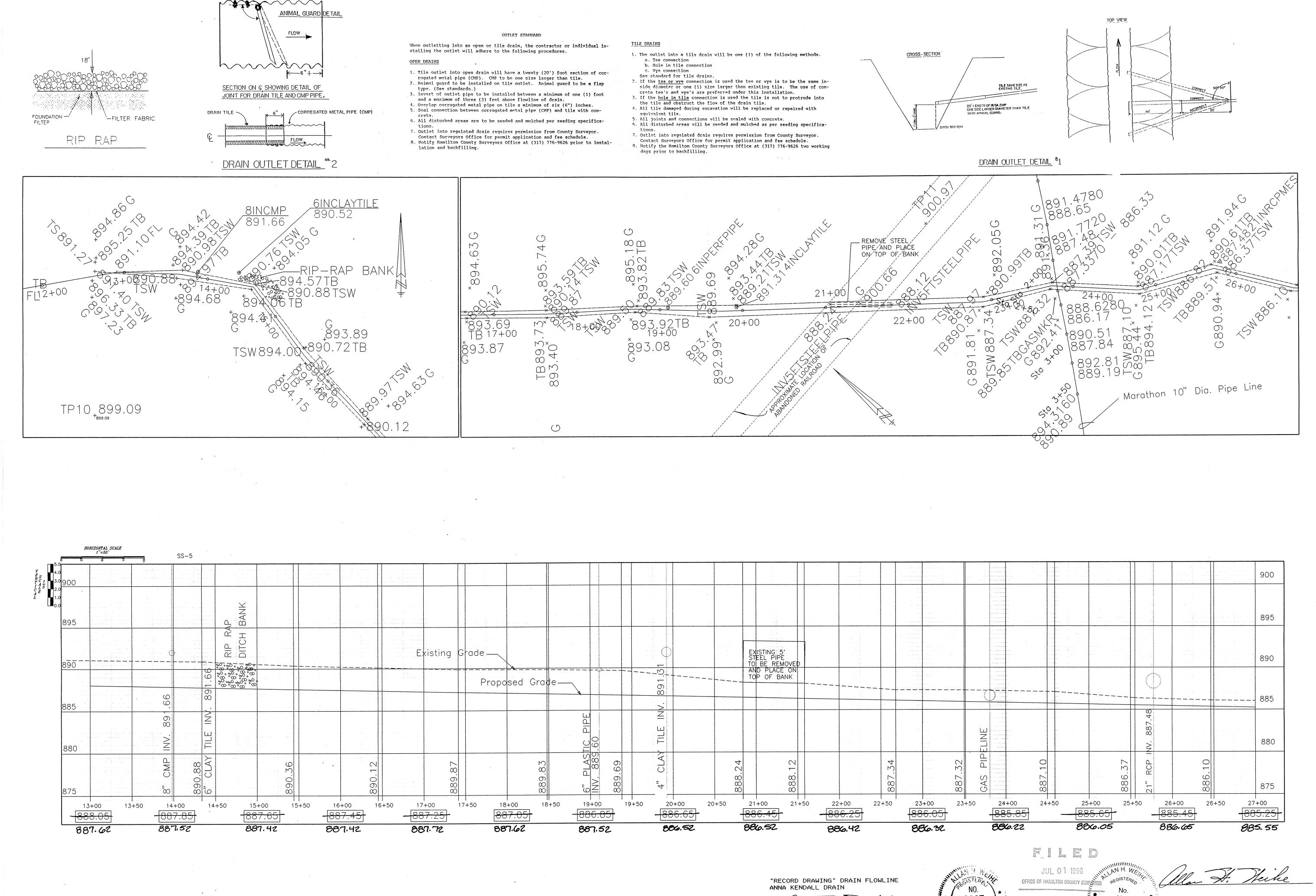
Kenton C. Ward,

Hamilton County Surveyor

KCW/slm







This copy printed from the Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Co. Square, Ste. 188, Noblesville, In 46060

ANNA KENDALL DRAIN

oard

B

 \mathcal{O}

D.

Draina

County

Hamilton

ALLAN

9

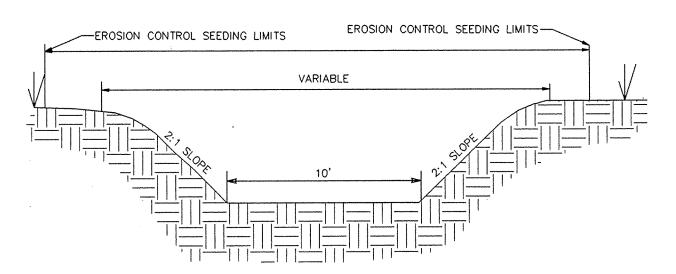
<mark></mark>

1. Channel side slopes will be seeded twice. The first seeding will occur at the end of each day's construction while the ground is still moist. Fertilizer will be applied. Apply the second seeding just prior to final inspection. Only those areas where the grass has not germinated will be seeded the second time. The seed and fertilizer will be applied with a broadcast type seeder.

Tall Fescue (low or endophyte free) 35lbs/acre
Annual Rye Grass 20lbs/acre
12-12-12 fertilizer 1000lbs/acre
(substitute the following for the rye grassMarch 15 thru May 1: Oats @ 2bu/acre
October 1 thru November 15: Wheat @ 2 bu/acre)

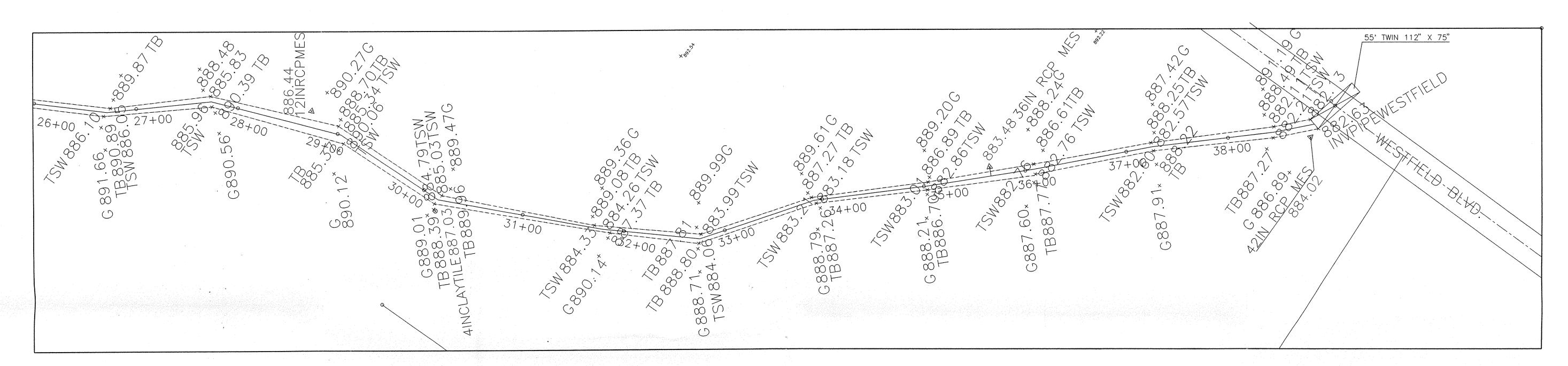
2. Disturbed areas that are not in crop production will be seeded and fertilized upon final grading. Apply fertilizer and work into the soil to a depth of 2 or 3 inches with a harrow or disc. Prepare a firm seed bed with a cultipacker or cultipacker type seeder. Work the seed into the soil 1/4 to 1/2 inch. Straw mulch will be used ground erosion control structures and other critical used around erosion control structures and other critical areas as determined by the project inspector.

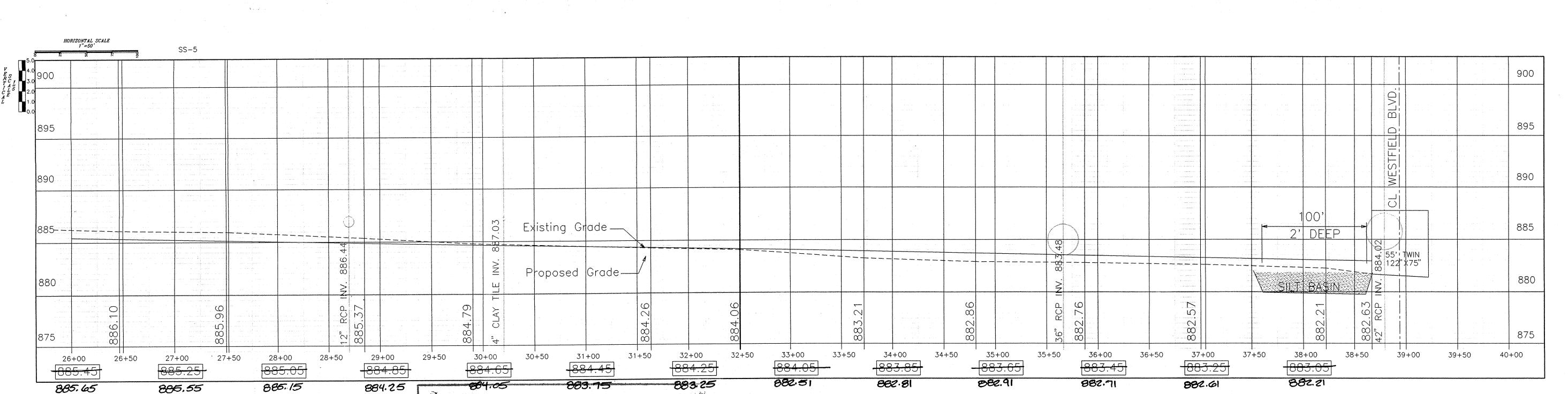
ntities:
General purpose farm mix 20lbs/acre
12-12-12 fertilizer 1000lbs/acre
Straw mulch (where required) 3000lbs/acre
(General purpose farm mix: 20% Perennial Rye Grass
20% Timothy
13% Orchard Grass
12% Red Star Clover
12% Tall Fescue
12% Vernal Alfalfa
11% Alsike Clover)



DRAINAGE DITCH SECTION

(NO SCALE)





This information was gathered for input into the Hamilton but. Geographical Information Symptomic document is

considered a cital record of the

8827, STATE OF

JUL 0 1 1996 LENGTH, AND WIDTH OF DITCH AT OFFICE OF HAMILTON COUNTY SURVEYOR TO M

STATE OF

No. 8827

This copy printed from the Digital Archive of the Hamilton County Surveyor's Office; One Hamilton Co. Square, Ste. 188, Noblesville, In 46060

"RECORD DRAWING" DRAIN FLOWLINE

ANNA KENDALL DRAIN

DrainagCounty

oard

B

 \mathcal{O}

8 8

Hamilton