

Drain: SKITTERS RUN DRAIN **Drain #:** 293
Improvement/Arm: SKITTERS RUN - SECTION 2
Operator: JOH **Date:** 4-30-04
Drain Classification: Urban/Rural **Year Installed:** 1997

GIS Drain Input Checklist

- Pull Source Documents for Scanning JOH
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JOH
- Digitize & Attribute SSD JOH
- Digitize & Attribute Open Ditch N/A
- Stamp Plans JOH
- Sum drain lengths & Validate JOH
- Enter Improvements into Posse JOH
- Enter Drain Age into Posse JOH
- Sum drain length for Watershed in Posse JOH
- Check Database entries for errors JOH

Gasb 34 Footages for Historical Cost Drain Length Log

Drain-Improvement: SETTERS RUN DRAIN - SETTERS RUN - SECTION 2

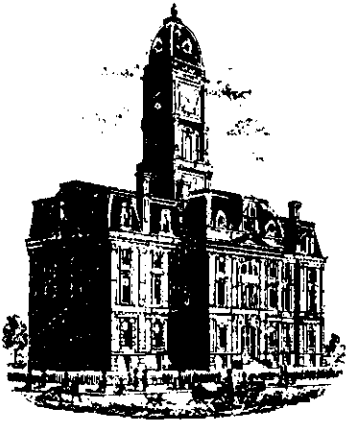
Drain Type:	Size:	Length <i>SURVEYORS REPORT</i>	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	8,494'	8,494'	0'		
RCP	12"	763'	721'	-42'		
	15"	225'	220'	-5'		
	18"	575'	706'	+131'		
	21"	476'	401'	-75'		
	24"	268'	333'	+65'		
	27"	296'	235'	-61'		
	30"	118'	118'	0'		
	36"	489'	477'	-12'		

Sum: 11,704' 11,705' +1'

Final Report: * 11,182.14

Comments:

SR AND AB DISAGREE ON ALL LENGTHS EXCEPT 6" SSD AND 30" PIPE.
* Added up incorrectly



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 146

One Hamilton County Square

Noblesville, Indiana 46060-2230

June 5, 1997

TO: HAMILTON COUNTY DRAINAGE BOARD

RE: Setters Run Drain, Section 2 Arm

Attached is a petition, plans, non-enforcement request, calculations, quantity summary and assessment roll for the Setters Run Drain, Section 2 Arm. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6"	SSD	8,494 feet	24"	RCP	268 feet
12"	RCP	763 feet	27"	RCP	296 feet
15"	RCP	225 feet	30"	RCP	118 feet
18"	RCP	575 feet	36"	RCP	489 feet
21"	RCP	476 feet			

The total length of the drain will be 11,704 feet.

The retention pond, Lake #2, located in Common Area H is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated are those located under the curbs. Only the main SSD lines which are located within the Right-of Way are to be maintained as regulated of the drain. Laterals for individual lots will not be considered part of the regulated drain.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe no damages will result to landowners the construction of this drain. I recommend a maintenance assessment of \$15.00 per lot, \$5.00 per acre for roadways, with a \$15.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$ 868⁰⁰.

I believe this proposed drain 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.

Parcels assessed for this drain will also be assessed for the U. G. Mitchner Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. This request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Setters Run-Section 2 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for July 1997.

Kenton C. Ward
Hamilton County Surveyor
KCW/no

BONDS AND INSURANCE FOR THE COUNTY OF HAMILTON
SCHEER'S INCORPORATED

5650 S. BRAINARD, LA GRANGE, ILLINOIS 60525 708/352-6282

ROCK HILL, NEW YORK 12775-0000
(A Stock Company)

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

ATTEST: _____
HAMILTON COUNTY AUDITOR

SUBDIVISION BOND

DATE _____

Bond No.: 106120 Principal Amount: \$168,000.00

KNOW ALL MEN BY THESE PRESENTS, that we Estridge Development Co., Inc.
1041 W. Main Street, Carmel, IN 46032 as Principal, and _____
Frontier Insurance Company a New York Corporation,
as Surety, are held and firmly bound unto Hamilton County Commissioners
One Hamilton County Square, Noblesville, IN 46060 in the penal sum of One
Hundred Sixty Eight Thousand and 00/100----- (Dollars)
(\$ 168,000.00-----), lawful money of the United States of America,
for the payment of which well and truly to be made, we bind
ourselves, our heirs, executors, administrators, successors and
assigns, jointly and severally, firmly by these presents.

WHEREAS, Estridge Development Co., Inc.

has agreed to construct in Setters Run, Section 2 Subdivision,
in Hamilton County the following
improvements:

Storm Sewers, SSD and Erosion Control

FILED

APR 29 1997

OFFICE OF HAMILTON COUNTY SURVEYOR

CERTIFICATE OF COMPLETION AND COMPLIANCE

Address of premises on which land alteration was accomplished 146th Street and West of Gray Road

Inspection Date(s): _____ Permit No. _____

Relative to plans prepared by: Stooppelwerth & Associates, Inc.
on March 12, 1997.

I hereby certify that:

To the best of my knowledge, information and belief such land alteration has been performed and completed in conformity with the improved plan, except

Signature Jeffery W. Darling Date: 11/13/97

Type Name: Jeffery W. Darling Phone: (317) 849-5935

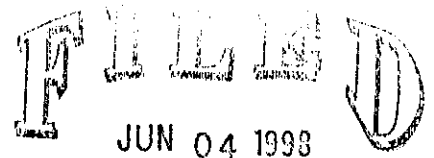
Business Address: 9940 Allisonville Road, Fishers, IN 46038

Surv. X Engr. Arch. Indiana Registration No. R.L.S. 900017

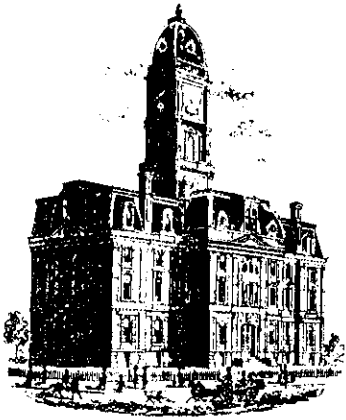


(SEAL)

FORMS/23970c&c



HAMILTON COUNTY DRAINAGE BOARD



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

*Suite 146
One Hamilton County Square
Noblesville, Indiana 46060-2230*

To: Hamilton County Drainage Board

November 5, 1998

Re: Setter's Run Drain-sec. 2 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Setter's Run-sec. 2. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain which will alter the plans submitted with my report for this drain dated June 5, 1997. The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:
886	837.3	833.57		
885	837.35	833.12	12	28
885	837.35	833.12		
884	834.75	831.85	12	148
883	838.06	834.38		
882	838.04	833.41	12	28
882	838.04	833.41		
872	834.05	828.32	12	133

869	0	827.32		
870	834.32	827.79	36	72
870	834.32	827.79		
871	834.31	827.88	36	28
871	834.31	827.88		
872	834.05	828.32	36	162
872	834.05	828.32		
873	834	829.17	36	215
873	834	829.17		
884	834.75	831.85	24	128
884	834.75	831.85		
887	837.89	834.11	24	114
887	837.89	834.11		
888	837.88	834.4	24	32
888	837.88	834.4		
889	838.05	834.5	18	24
889	838.05	834.5		
889A	0	834.67	18	16

878	836.28	832.25		
880	836.43	832.4	15	44
880	836.43	832.4		
881	836.42	832.64	12	28
873	834	928.17		
874	837.64	829.9	30	118
874	837.64	829.9		
875	837.23	830.45	27	77
875	837.23	830.45		
876	835.06	831.16	27	158
876	835.06	831.16		
877	836.46	832.18	24	26
877	836.46	832.18		
878	836.2	832.25	24	33
878	836.2	832.25		
879	0	832.36	18	67

865	838.11	834.18		
864	838.12	833.94	15	28
864	838.12	833.94		
861	837.55	833.54	15	88

existing yard inlet	835.65	832.95		
860	837.21	833.13	21	127
860	837.21	833.13		
861	837.55	833.54	18	61
861	837.55	833.54		
862	837.44	833.71	15	28
862	837.44	833.71		
863	836	834	12	161
895	840.33	836.55		
896	840.29	836.06	12	28
896	840.29	836.06		
893	0	832.16	12	108
894	837.3	833.47		
892	837.31	832.66	12	28
891	834.96	832.91		
890	837.85	832.8	15	32
890	837.85	832.8		
892	837.31	832.66	18	56
892	837.31	832.66		
893A	n/a	831.59	18	144
existing manhole	841.82	824.02		
866	837.9	825.5	21	274
866	837.9	825.5		
867	832.33	827.31	18	338
867	832.33	827.31		
868	n/a	827.51	12	31

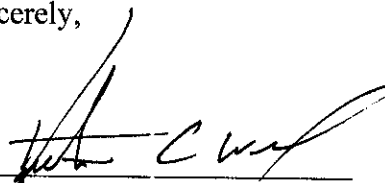
The length of the drain due to the changes described above is now ^{1,705'} ~~11,182.14~~ feet.

The non-enforcement was approved by the Board at its meeting on July 28th, 1997 and recorded under instrument # 9809802697.

The bond or letter of credit from Scheer's Inc., number 106120; dated April 16th, 1997; in the amount of \$168,000.00; was released June 6, 1998.

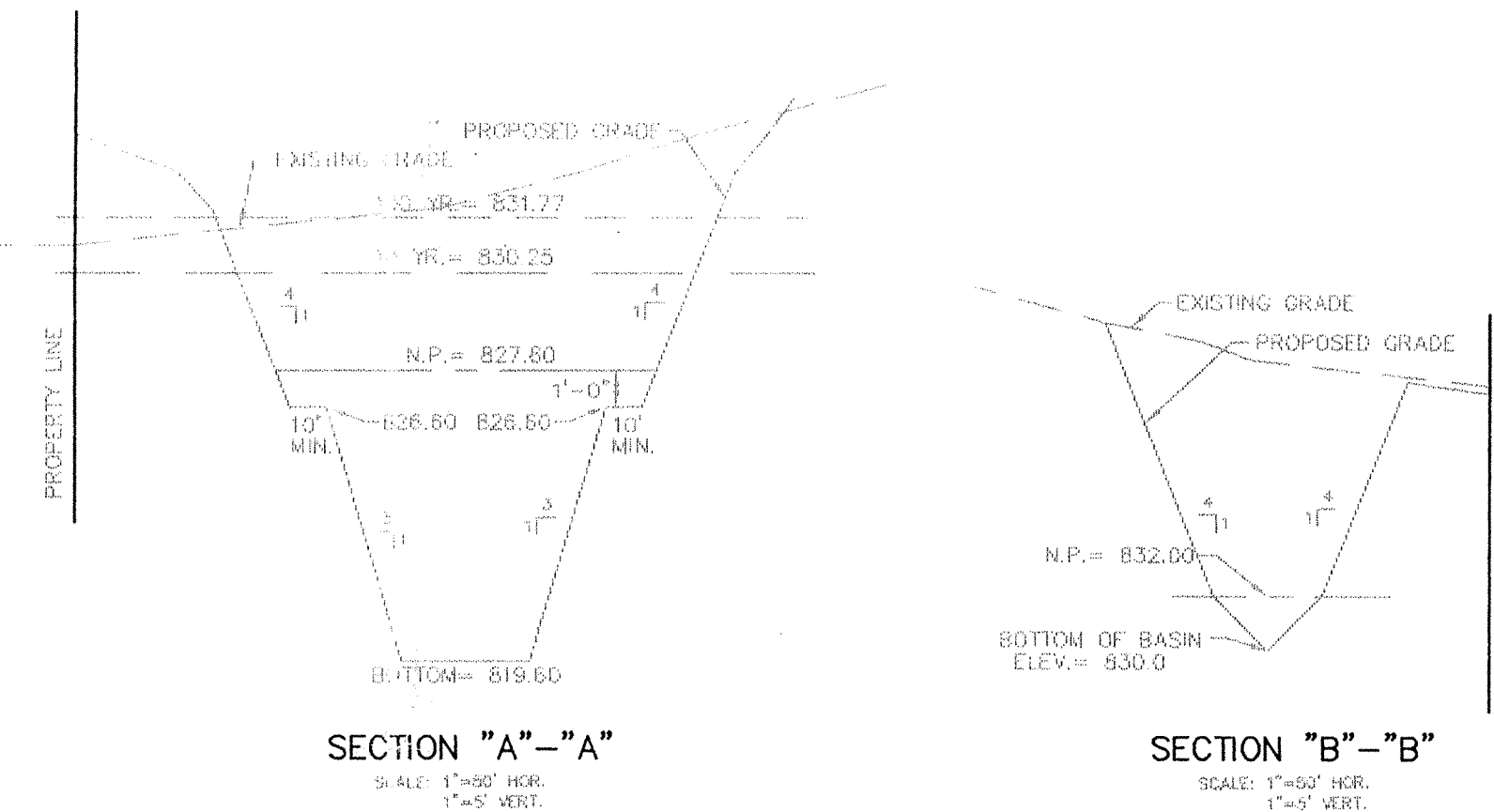
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kenton C. Ward', written over a horizontal line.

Kenton C. Ward,
Hamilton County Surveyor

KCW/slm



- GENERAL NOTES:
- CONTRACTOR SHALL GRADE SIDE YARDS TO GRADES INDICATED ON SITE DEVELOPMENT PLAN.
 - CONTRACTOR SHALL CONSTRUCT BUILDING PAD AREAS TWO FEET LARGER THAN AREA SHOWN ON SITE DEVELOPMENT PLAN.

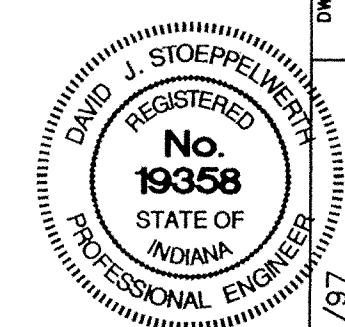
BENCHMARK:
 P.K. NAIL IN WEST FACE OF POWER POLE
 #56-540, APPROX. 500' NORTH OF 146TH STREET ON SETTER'S ROAD. P.K. NAIL IS 1.2' ABOVE GROUND
 ELEV. = 843.13

S & A #1
 RAIL ROAD SPIKE IN N.E. FACE OF POWER POLE #56-536, LOCATED AT N.E. COR. OF SETTER'S ROAD AND 146TH STREET.
 ELEV. = 848.14

S & A #2
 P.K. NAIL IN EAST FACE OF POWER POLE #57-069, APPROX. 25' WEST OF HINKLE ROAD AND 760' NORTH OF 146TH STREET.
 ELEV. = 810.57

SCALE: 1" = 50'

- LEGEND
- EXISTING TREES
 - EXISTING CONTOUR
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED GRADE
 - PROPOSED CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED SWALE
 - FORCE MAIN
 - PROPOSED 4' SIDEWALK (BY HOME BUILDER)
- 35 LOT NUMBER
 853.0 PAD ELEVATION
 PAD SIZE 60'x60'
 ★ DENOTES PADS OF 2'-0" OF FILL OR MORE
 PROPOSED 6" UNDERDRAINS
 4" S.S.D. (TYP.)



CERTIFIED: 3/12/97
 David J. Stoppelmeier

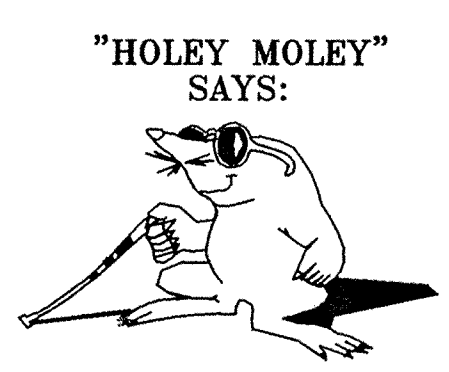
RECORD DRAWING

Jeffery W. Darling
 JEFFERY W. DARLING
 Registered Land Surveyor
 No. 900017



6/3/98 DATE

- EARTHWORK:
- EXCAVATION
 - Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for this herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
 - REMOVAL OF TREES
 - All trees and stumps from area to be occupied by a road surface area. Trees and stumps shall not be buried on site.
 - PROTECTION OF TREES
 - The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect of protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL
 - All topsoil shall be removed from all areas to be excavated or filled. Topsoil shall be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
 - UTILITIES
 - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
 - SITE GRADING
 - Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - The tolerance for paved areas shall not exceed 0.10 feet above established subgrade. All other areas shall not exceed 0.10 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.
- FORM EARTHWORK



CAUTION
 LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE, (including, but not limited to, manholes, inlets, valves, & marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

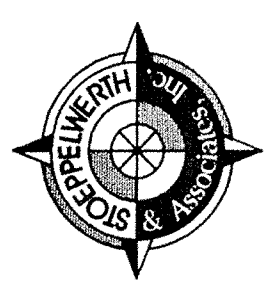
1-800-382-5544
 CALL TOLL FREE
 1-800-428-5200
 FOR CALLS OUTSIDE OF INDIANA



SEE SHEET #4

SITE DEVELOPMENT PLAN
 SETTER'S RUN SECTION TWO
 WESTFIELD INDIANA

CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 INDIANAPOLIS INDIANA



SHEET NO. 03
 23 SHEETS
 JUN 04 1998
 HAMILTON COUNTY DRAINAGE BOARD 22687

EARTHWORK:

1. EXCAVATION
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 - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
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3. PROTECTION OF TREES
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5. UTILITIES
 - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
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6. SITE GRADING
 - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on this drawing.
 - B. The tolerance for paved areas shall not exceed 0.10 feet above established subgrade. All other areas shall not exceed 0.10 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

FORM EARTHWRK

LEGEND

- EXISTING TREES
 - EXISTING CONTOUR
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED GRADE
 - PROPOSED CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED SWALE
 - FORCE MAIN
 - PROPOSED 4' SIDEWALK (BY HOME BUILDER)
- 35 LOT NUMBER
853.0 PAD ELEVATION
PAD SIZE 60'x60'
- ★ DENOTES PADS OF 2'-0" OF FILL OR MORE
- 4' S.S.D. (TYP.)

GENERAL NOTES:

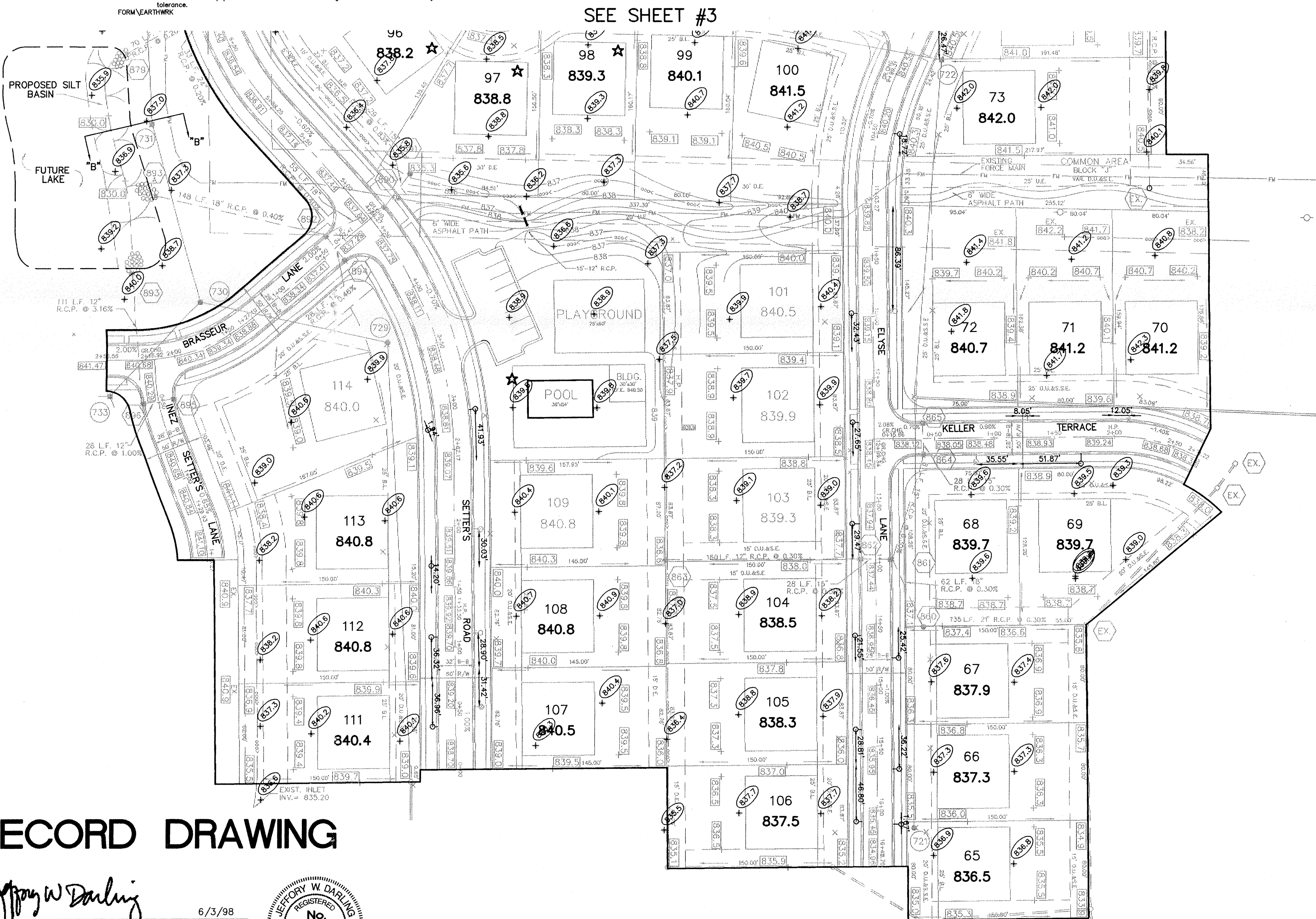
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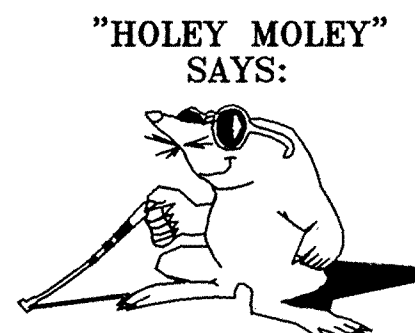


STORM CHART			
STR.NO.	TYPE	TC/RIM	INVERTS
861	Curb Inlet	837.48	833.55
862	Curb Inlet	837.48	833.63
863	Yard Inlet	836.60	834.11
864	Curb Inlet	837.93	833.81
865	Curb Inlet	837.93	833.89
866	Yard Inlet	838.10	825.51
867	Yard Inlet	832.50	827.38
868	Concrete End Section	---	827.60 *
869	Concrete End Section	---	827.60
870	Curb Inlet w/ Manhole	834.12	827.91
871	Curb Inlet w/ Manhole	832.02	828.02
872	Yard Inlet	834.30	828.67
873	Yard Inlet	834.50	829.54
874	Manhole	837.90	830.09
875	Curb Inlet w/ Manhole	837.00	830.48
876	Yard Inlet	835.50	832.25
877	Curb Inlet	836.30	832.30
878	Curb Inlet	836.30	832.36
879	Concrete End Section	---	832.00 *
880	Curb Inlet	837.93	832.45
881	Curb Inlet	836.20	832.51
882	Curb Inlet	837.87	833.79
883	Curb Inlet	837.87	834.07
884	Yard Inlet	865.30	831.75
885	Curb Inlet	837.25	833.21
886	Curb Inlet	837.25	833.49
887	Curb Inlet	837.19	834.28
888	Curb Inlet	838.19	834.60
889	Manhole	838.50	834.84
889	Concrete End Section	---	835.00 *
890	Curb Inlet	837.64	832.81
891	Yard Inlet	835.30	833.05
892	Curb Inlet	837.18	832.59
893	Concrete End Section	---	832.50
893	A Concrete End Section	---	832.00
894	Curb Inlet	837.18	832.72
895	Curb Inlet	840.20	836.29
896	Curb Inlet	840.20	836.01

RECORD DRAWING

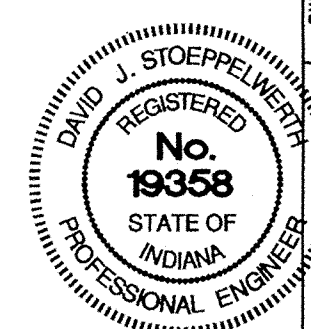
JEFFERY W. DARLING
Registered Land Surveyor
No. 900017

6/3/98
DATE



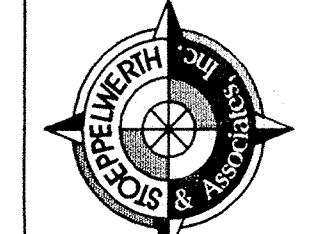
"HOLEY MOLEY" SAYS:
1-800-382-5544
CALL TOLL FREE
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

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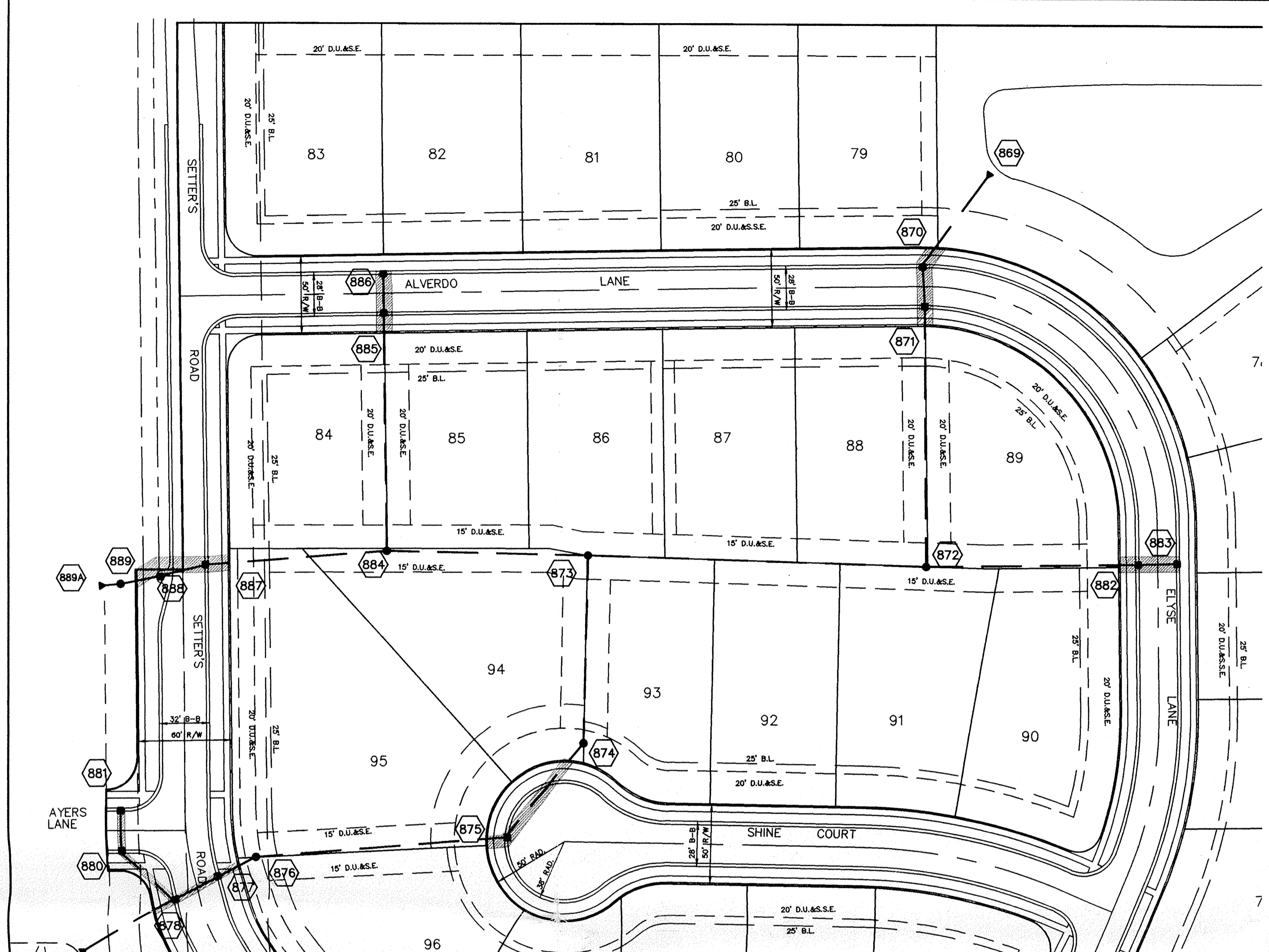
OWN. BY	KCS	OK BY	SCALE	DATE	MARK	REVISIONS	BY
			1"=50'	6/3/98			
				3/12/97			

CERTIFIED: 3/12/97
CONSULTING ENGINEERS - LAND SURVEYORS
(317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
INDIANAPOLIS INDIANA



SITE DEVELOPMENT PLAN
SETTER'S RUN SECTION TWO
WESTFIELD INDIANA

HAMILTON COUNTY ENGINEERING BOARD
SECRETARY JOB NO. 22687



RECORD DRAWING

Jeffery W Darling
 JEFFERY W. DARLING
 Registered Land Surveyor
 No. 900017
 DATE 6/3/98

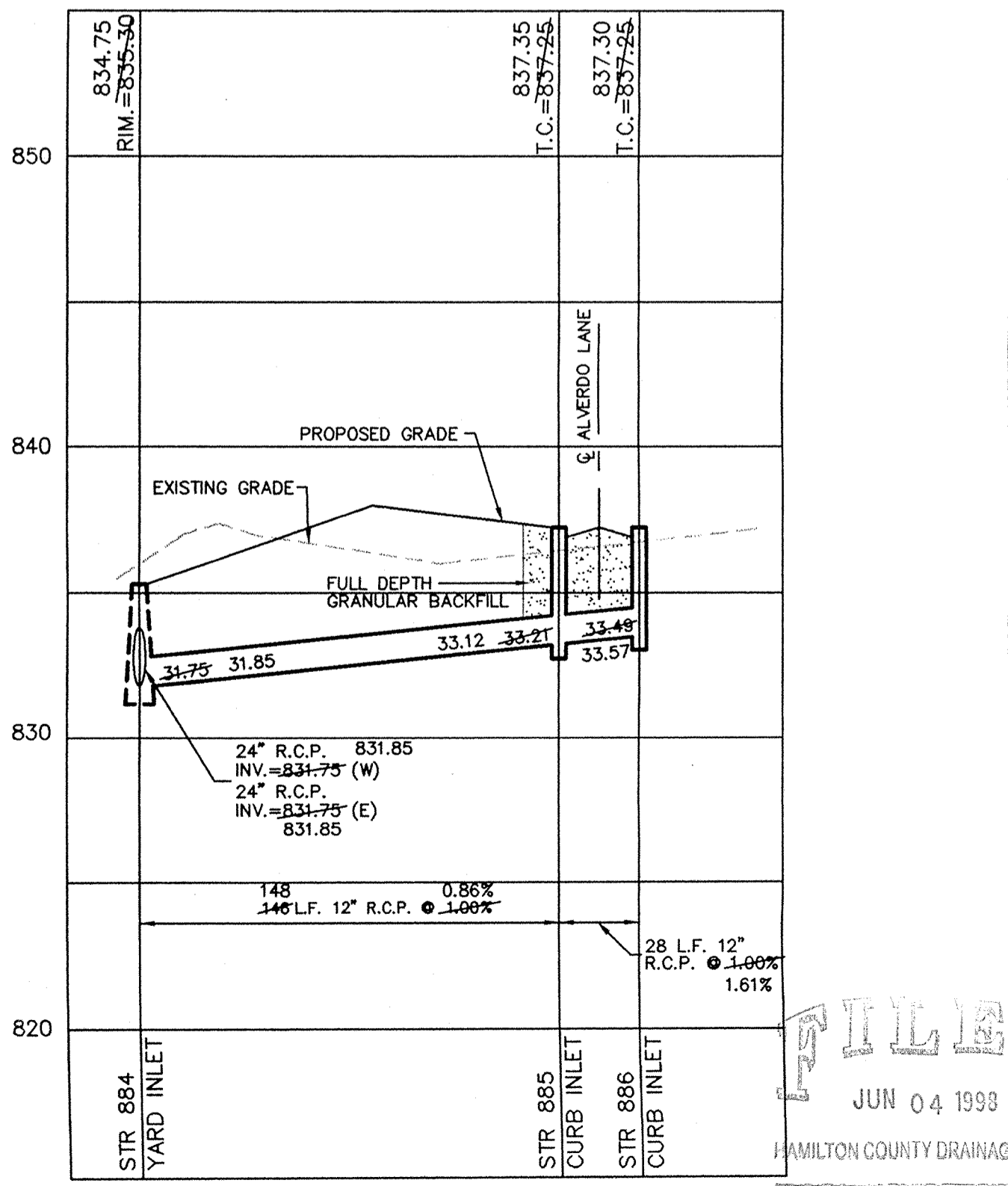
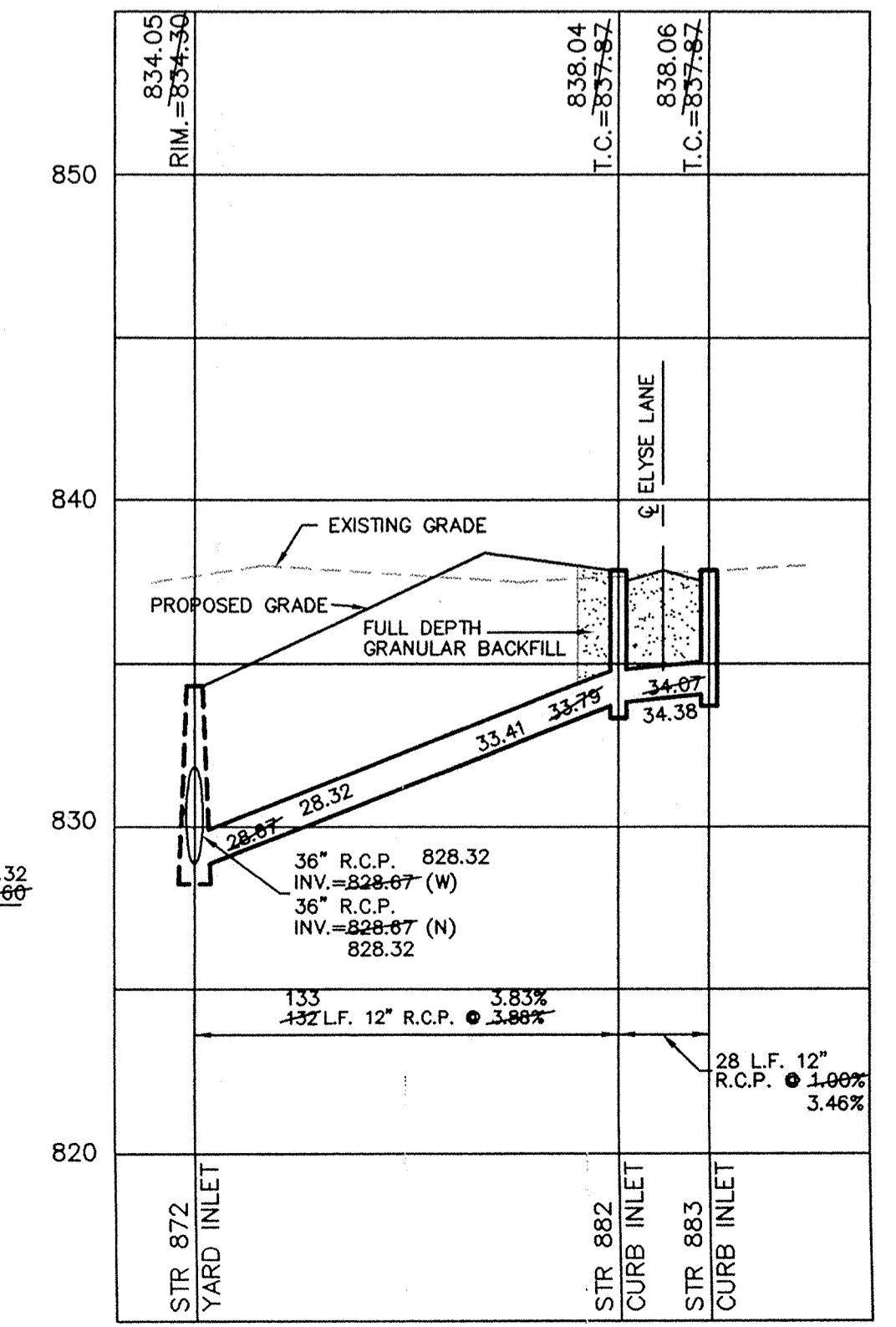
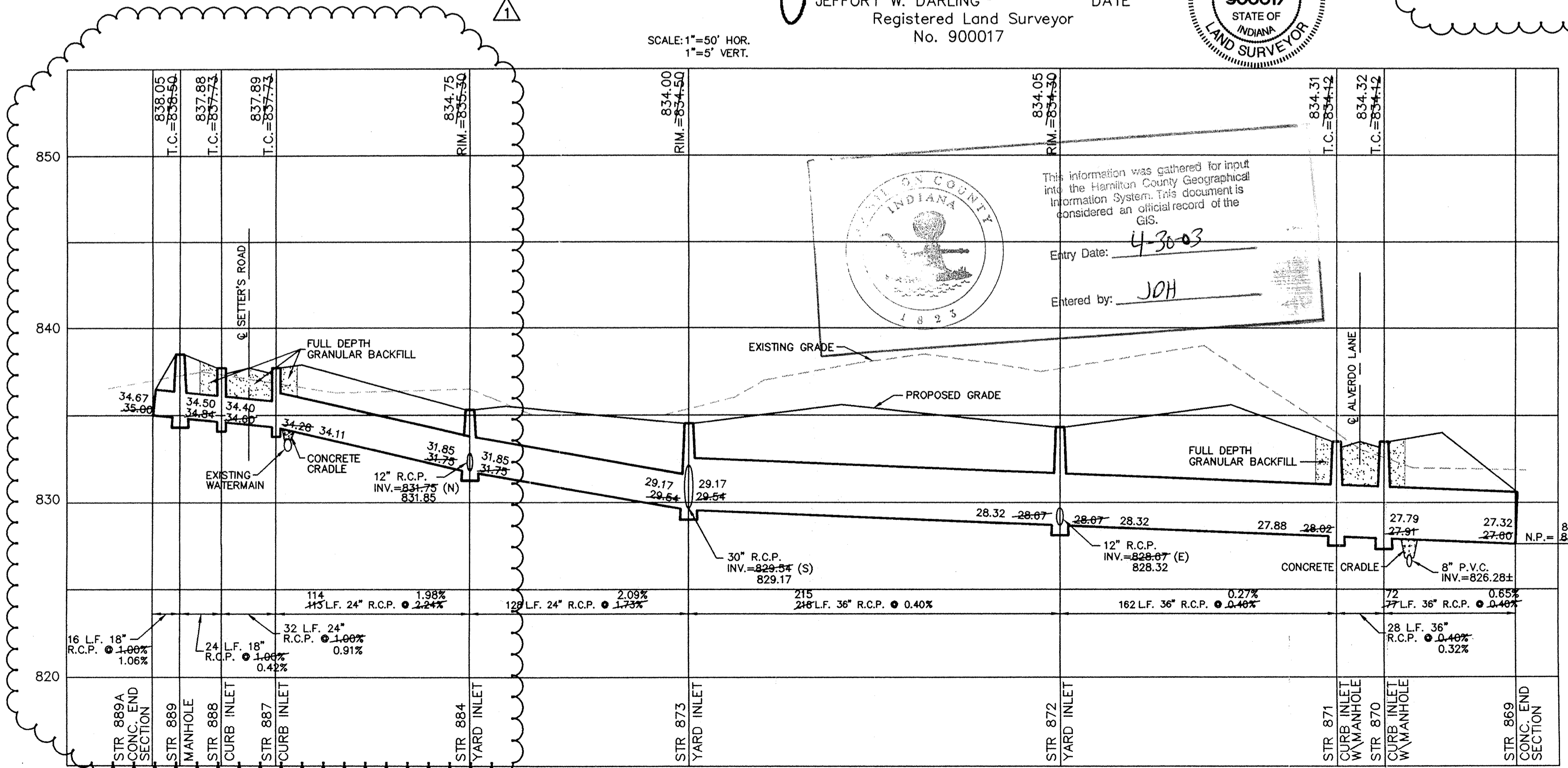
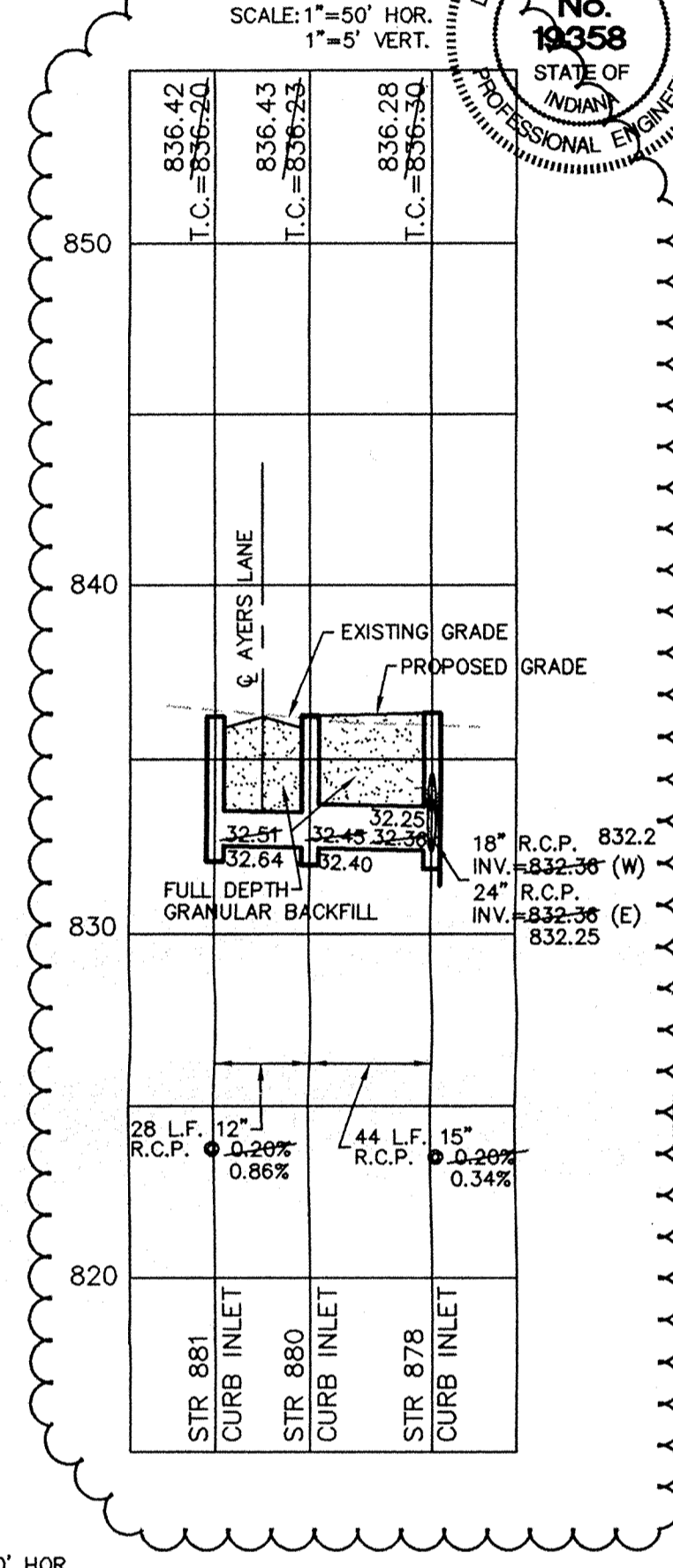
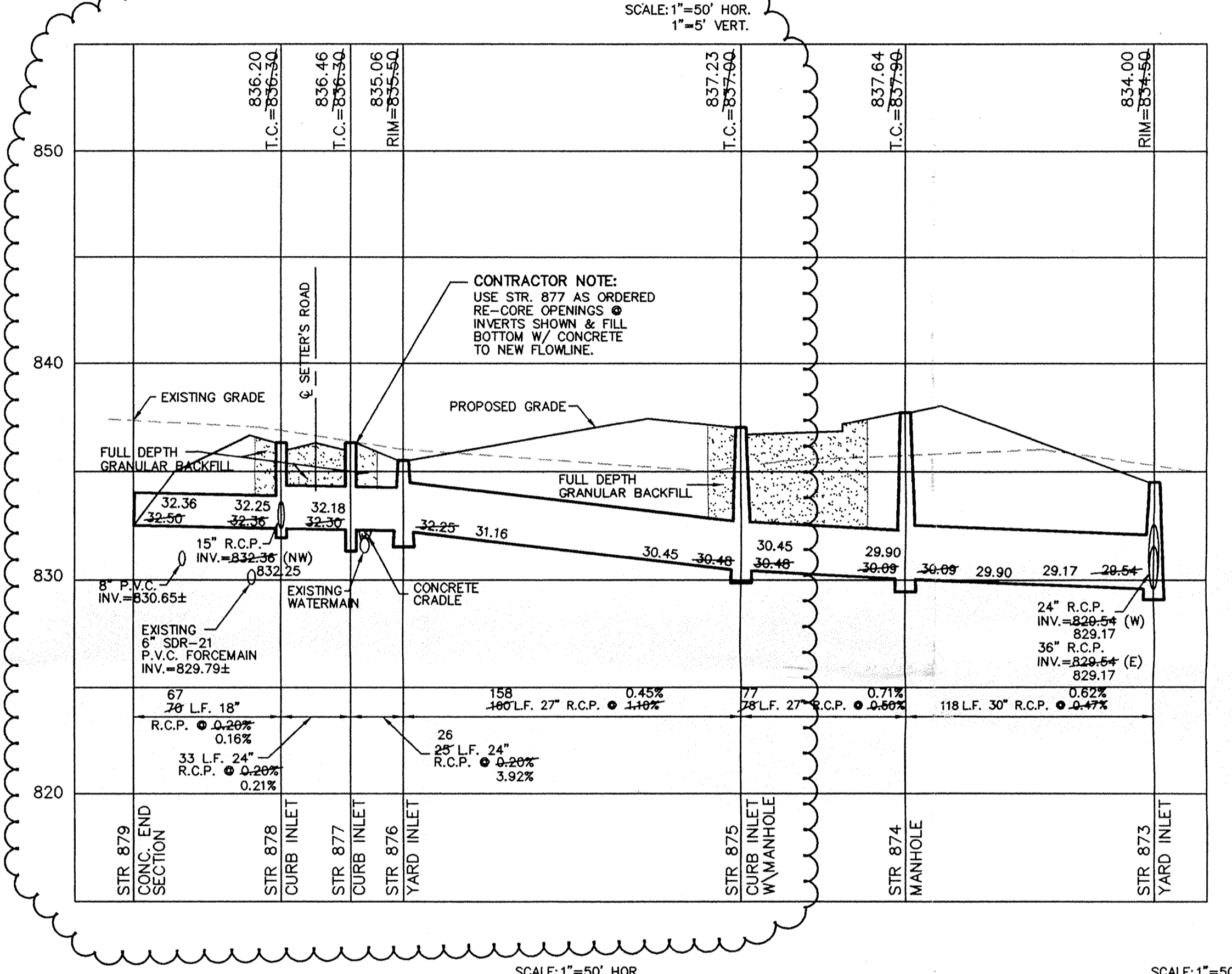


PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	2'x2'		DESIGN APPROVAL	No	Yes	Yes
18" or 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" or 27"	2'x3'		DESIGN APPROVAL	No	No	Yes
24" or LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" or LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

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SCALE: 1" = 50'

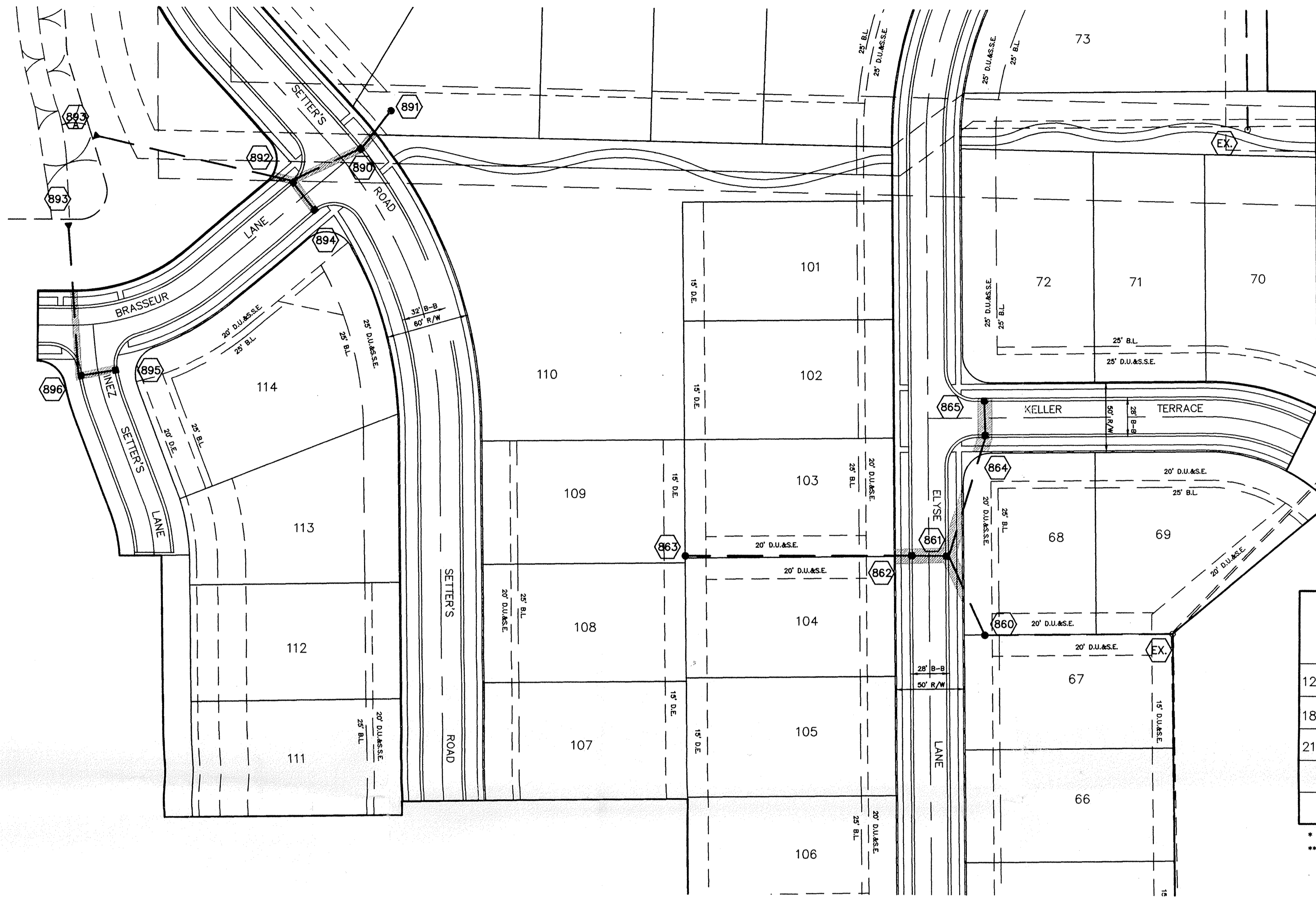


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 INDIANAPOLIS INDIANA

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA
 David J. Shappell

CERTIFIED: 3/12/97

STORM SEWER PLAN & PROFILE
 SETTER'S RUN SECTION TWO
 SHEET NO. 5
 JUN 04 1998
 HAMILTON COUNTY DRAINAGE BOARD 23 SHEETS
 SECRETARY

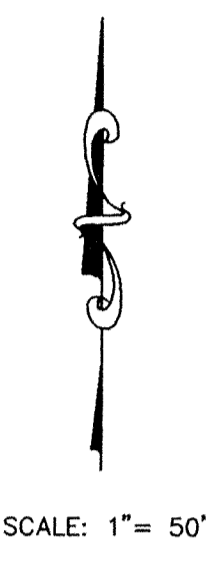
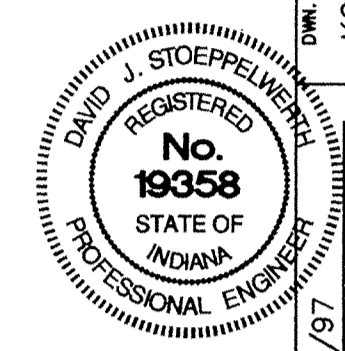


RECORD DRAWING

Jeffrey W. Darling
 JEFFREY W. DARLING
 Registered Land Surveyor
 No. 900017
 DATE 6/3/98



Seal of Hamilton County, Indiana
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 Entry Date: 4-30-04
 Entered by: JWH

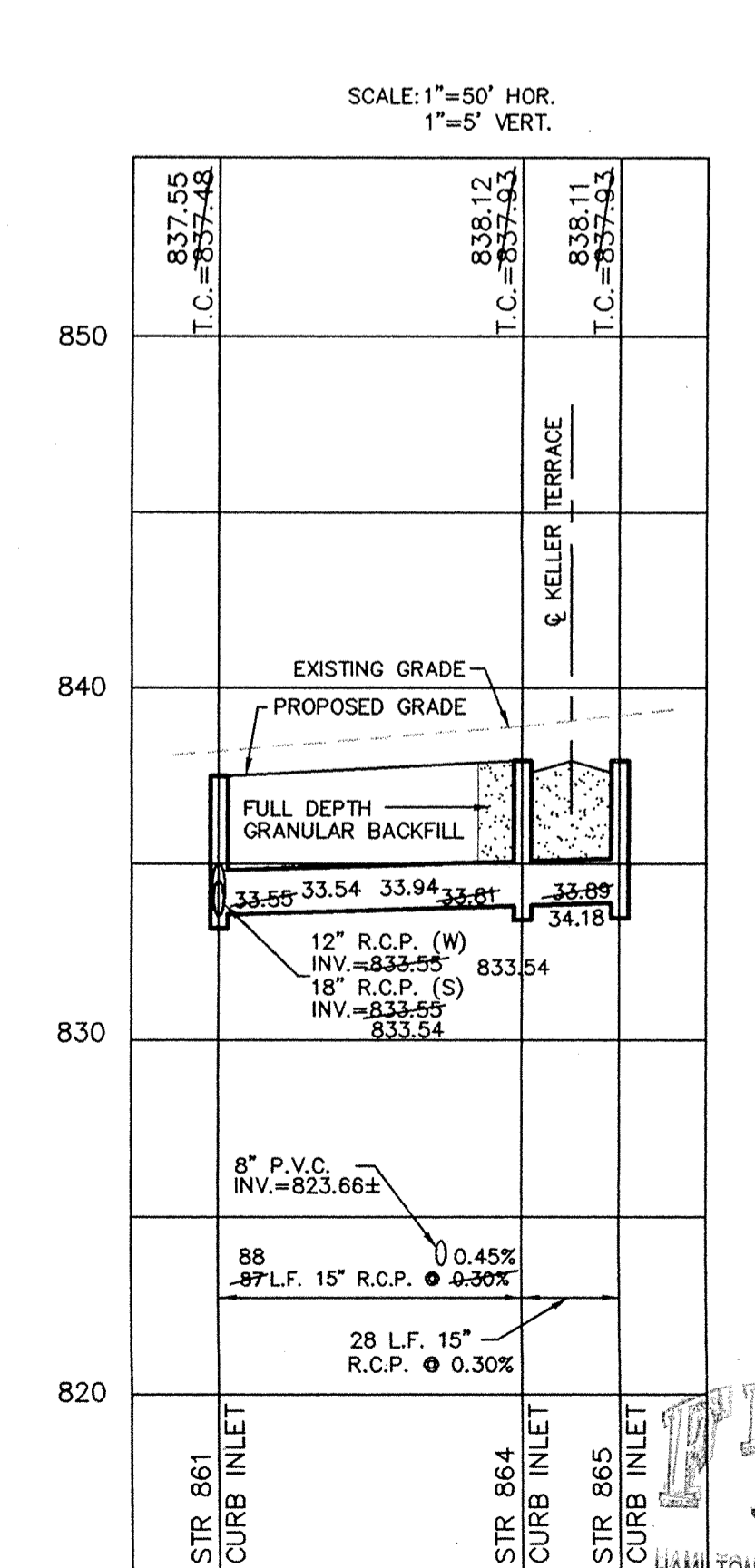
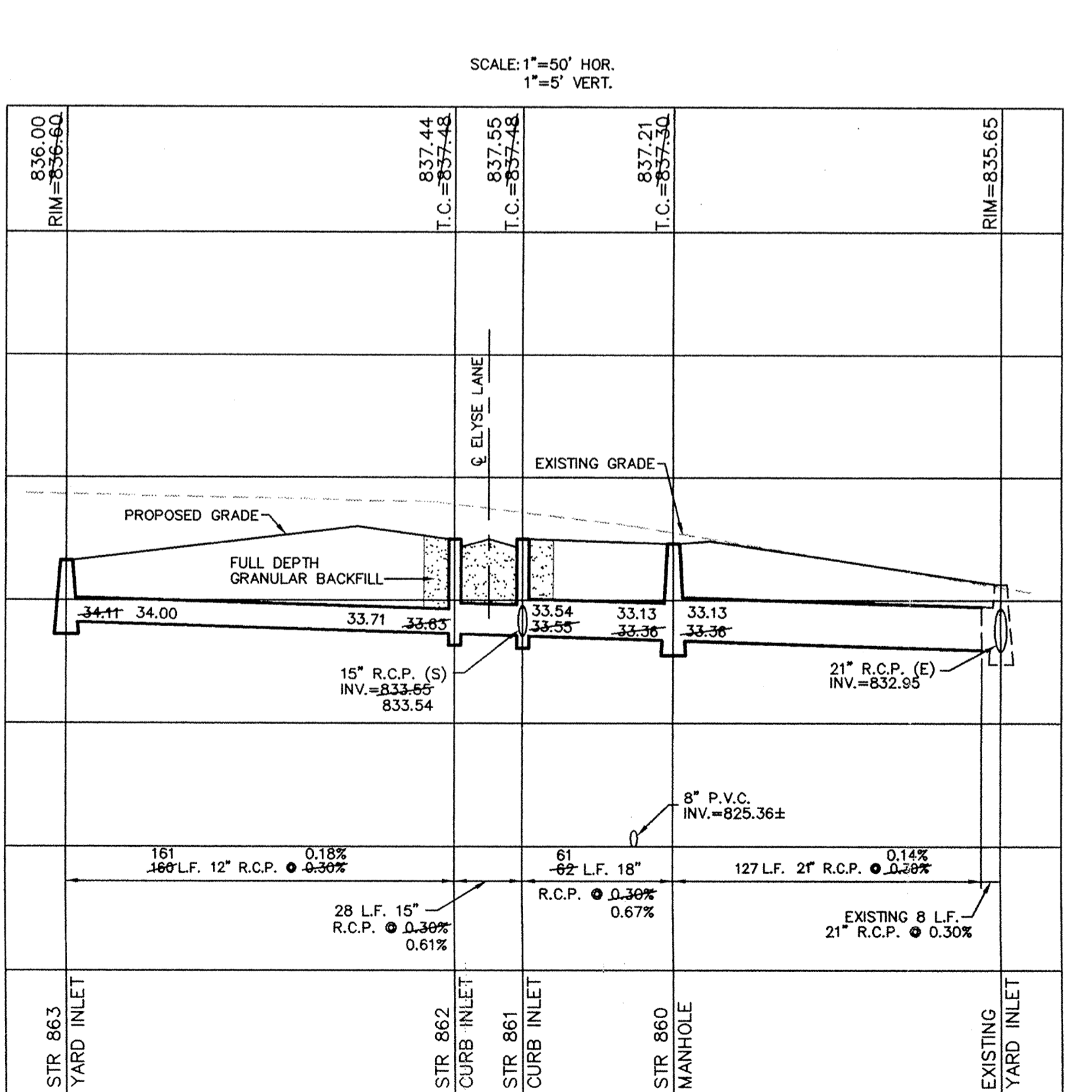
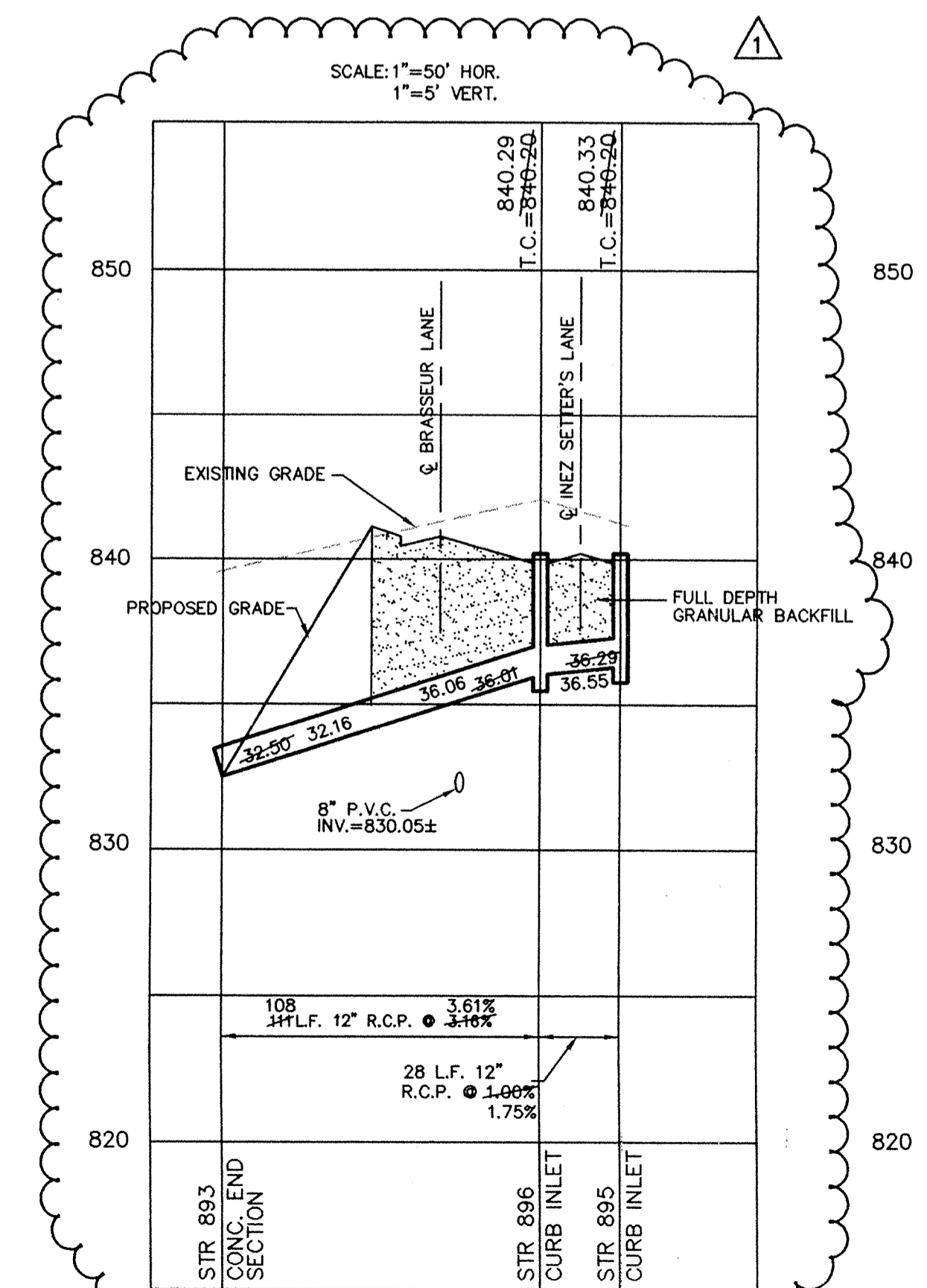
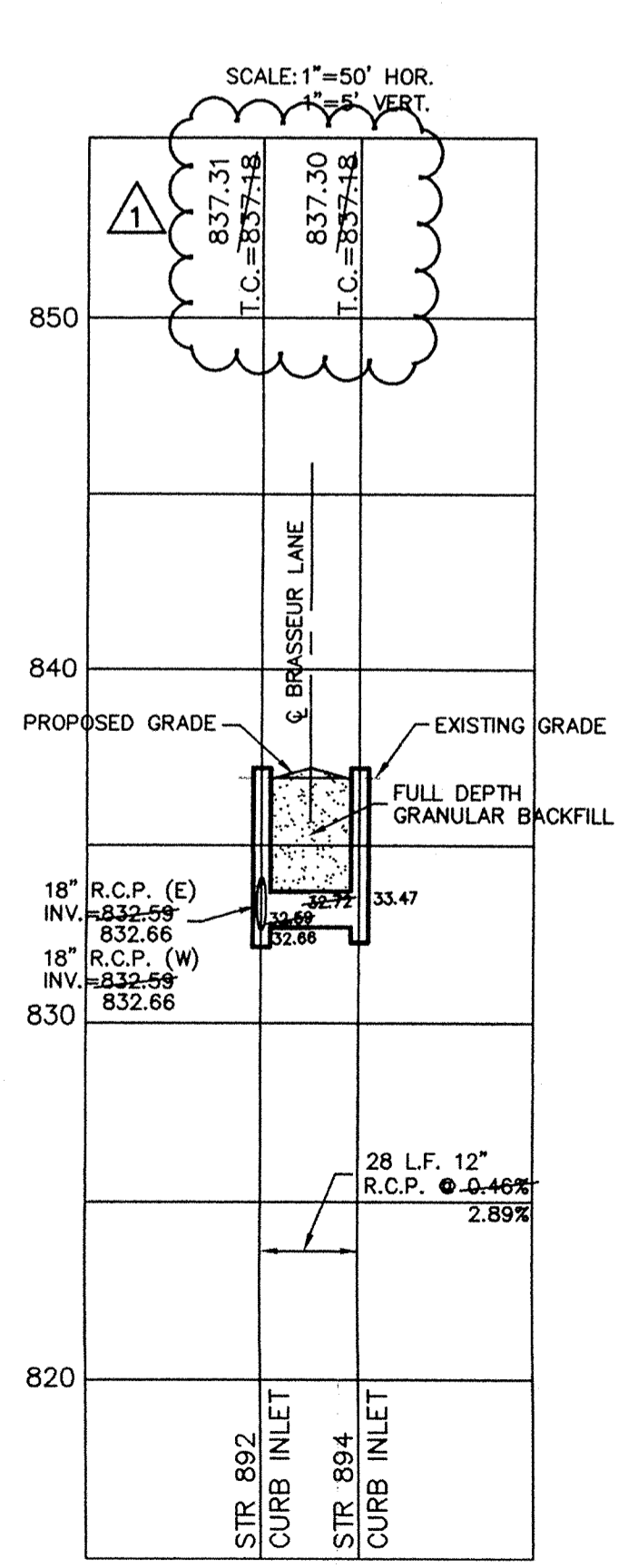
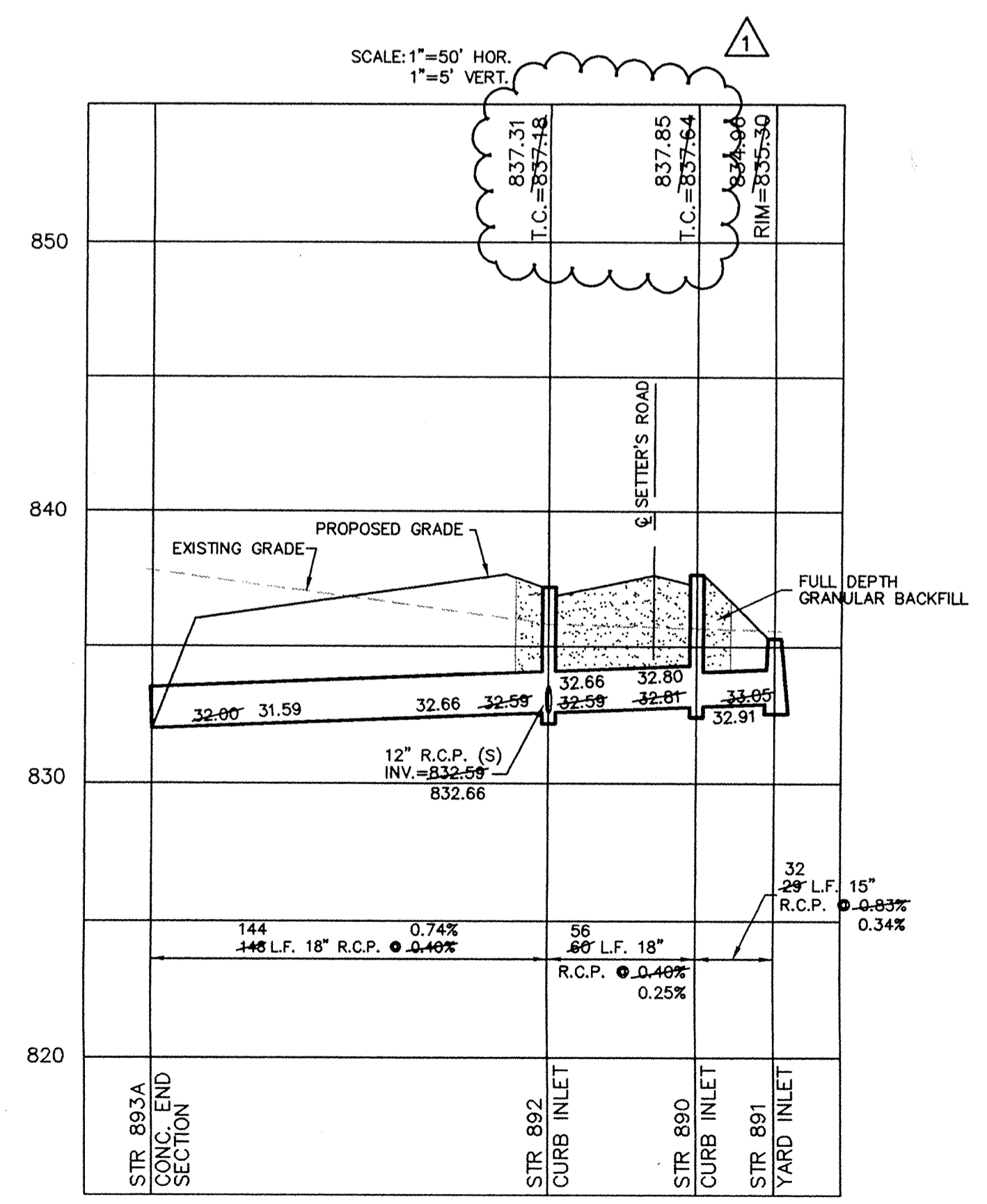


CURB INLET TABLE

PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
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WESTFIELD INDIANA

STORM SEWER PLAN & PROFILE
SETTER'S RUN SECTION TWO

SHEET NO. 23 OF 23 SHEETS
 JUN 04 1998
 HAMILTON COUNTY DRAINAGE BOARD
 SECRETARY

DATE 3/12/97
 MARK
 REVISIONS

RECORD DRAWING

Jeffery W. Darling
 JEFFERY W. DARLING
 Registered Land Surveyor
 No. 900017

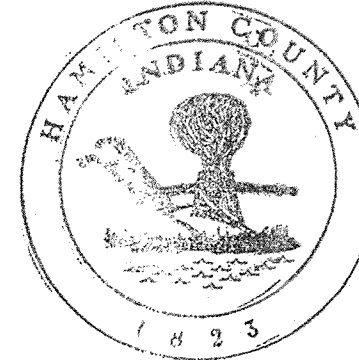
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Entry Date: 4-30-04

Entered by: JOH



DATE	BY	REVISIONS
3/12/97 <td>KCS <td></td> </td>	KCS <td></td>	
4/7/98 <td>EFF <td></td> </td>	EFF <td></td>	
1/25/97 <td>KCS <td></td> </td>	KCS <td></td>	
3/12/97 <td>KCS <td></td> </td>	KCS <td></td>	



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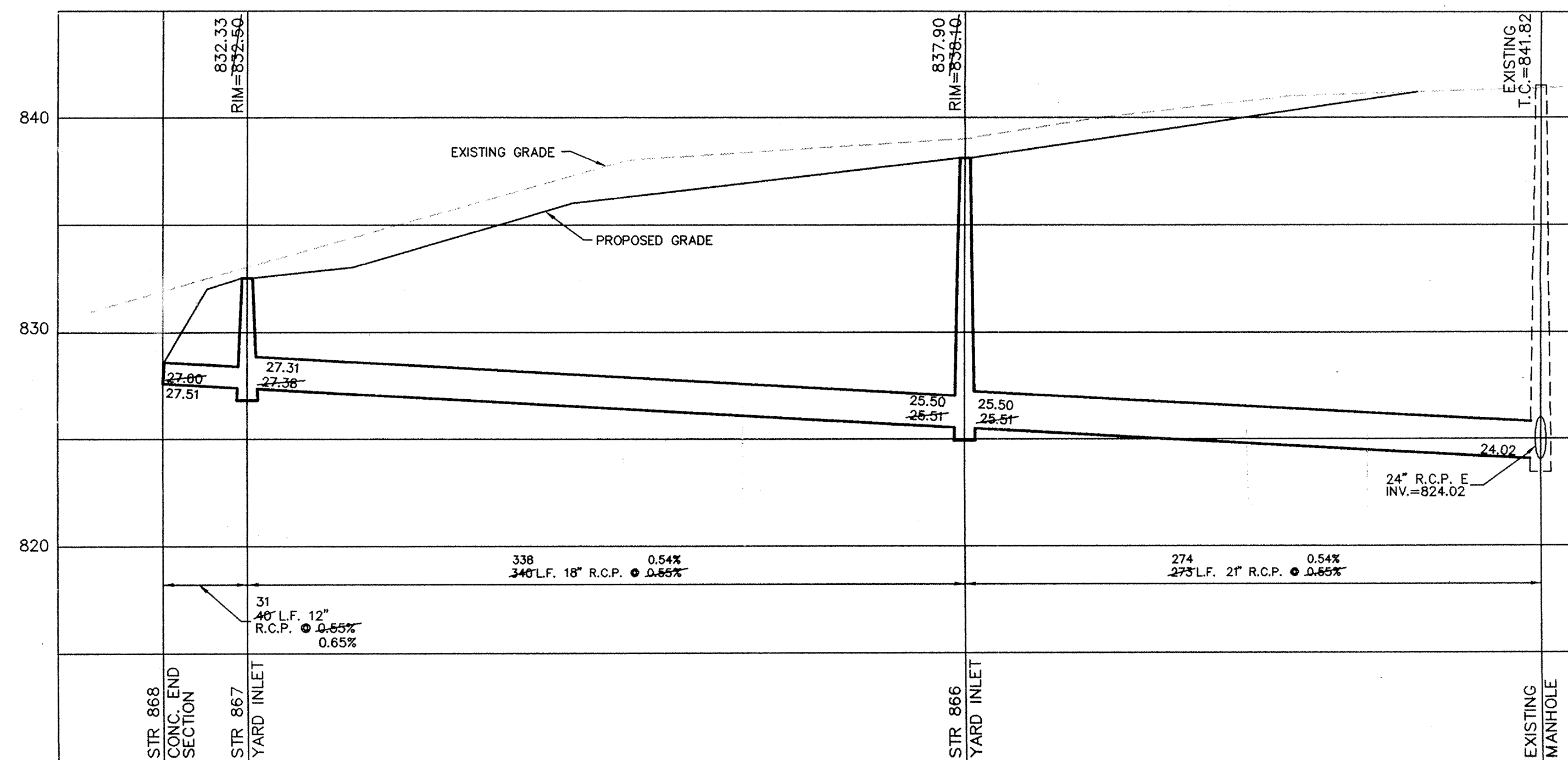
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STORM SEWER PLAN & PROFILE
 SETTER'S RUN SECTION TWO
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 JUN 04 1998
 HAMILTON COUNTY DRAINAGE BOARD
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 SHEET NO. 17
 OF 22 SHEETS
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