

Drain: SETTERS RUN DRAIN **Drain #:** 293
Improvement/Arm: SETTERS RUN - SECTION 3
Operator: SLM/JDH **Date:** 4-30-04
Drain Classification: Urban/Rural **Year Installed:** 1998

GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains SLM/g77
- Digitize & Attribute SSD SLM/g77
- Digitize & Attribute Open Ditch N/A
- Stamp Plans SLM/g77
- Sum drain lengths & Validate JDH
- Enter Improvements into Posse JDH
- Enter Drain Age into Posse JDH
- Sum drain length for Watershed in Posse JDH
- Check Database entries for errors JDH



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

October 14, 1998

RE: Setter's Run, Section 3 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 3 arm, Setter's Run Drain. 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	5780 ft	21" RCP	576 ft
12" RCP	911 ft	24" RCP	697 ft
15" RCP	750 ft	27" RCP	213 ft
18" RCP	490 ft		

The total length of the drain will be 9417 feet.

The retention pond (lake) #1 located in Common Area Block "L" 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 drain 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 drain. Laterals for the 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 that no damages will result to landowners by 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 \$1,055.70.

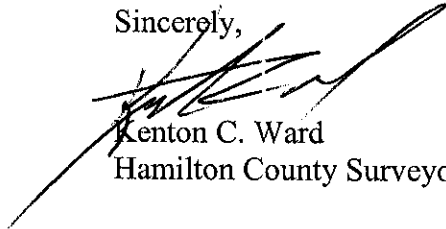
Parcels assessed for this drain will also be assessed for the U. G. Mitchner Drain.

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.

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 Setter's Run, Section 3 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 23, 1998.

Sincerely,



Kenton C. Ward
Hamilton County Surveyor

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

TO: HAMILTON COUNTY DRAINAGE BOARD
 % Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

In the matter of Setter's Run Subdivision, Section Three Drain
Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Setter's Run , a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefitted thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.

2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.

3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain File.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioner cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.

ESTRIDGE DEVELOPMENT Co. Inc
Printed Name

St J Ranshaw
Signed

STEVEN J RANSHAW
Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE 9/29/98

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

Setters Run Drain, Section 3

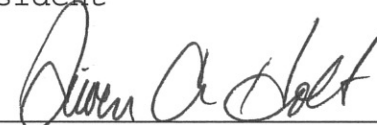
On this *23rd day of November, 1998*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Setters Run Drain, Section 3*.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

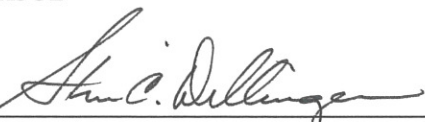
HAMILTON COUNTY DRAINAGE BOARD



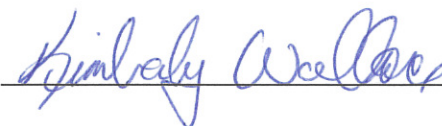
President



Member



Member

Attest: 



CONSULTING ENGINEERS
LAND SURVEYORS

R.M. Stoepelwerth, PE, PLS • David J. Stoepelwerth, PE, PLS • Curtis C. Huff, PLS • Dennis D. Olmstead, PLS • Jeffery W. Darling, PLS

September 24, 1998

Hamilton County Surveyor
1 Hamilton County Square
Suite 146
Noblesville, IN 46060-2230

Attention: Kent Ward

Re: Engineer's Estimate
Storm Sewer System & Monumentation
Setter's Run Section Three

Dear Mr. Ward:

On behalf of the developers, Estridge Development Company, I wish to submit the following Engineer's Estimate for the storm sewer system & monumentation for Setter's Run Section Three.

Storm sewer system including pipe, inlets, manhole end sections, rip-rap, bedding and backfill.	\$97,000
Subsurface Drains	\$30,870
Erosion Control	\$9,500
Monuments & Markers	<u>\$2,400</u>
	\$139,770

If you have any questions regarding this estimate, please contact Dennis D. Olmstead at 849-5935.

Very truly yours,

STOEPPELWERTH & ASSOCIATES, INC.

David J. Stoepelwerth, P.E., P.L.S.

cc: Steve Ranshaw

EEF98/22687EE

SUBDIVISION BOND

HCDB-B980036

Bond No.:127562

Principal Amount: **\$127,870.00**

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**
195 Lake Louise Marie Rd., Rock Hill, NY 12775-8000 a New York Corporation, as Surety,
are held and firmly bound unto Hamilton County Board of Commissioners, One Hamilton
County Square, Noblesville, IN 46060 in the penal sum of **One Hundred Twenty Seven
Thousand Eight Hundred Seventy and No/100 (Dollars) (\$127,870.00)**, 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
Three** Subdivision, in Westfield, IN the following improvements:

Storm Sewers

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

John C. Dellinger
John C. Dellinger
Sharon R. Clark

DATE 11/22/90
ATTEST: John M. Gyle
HAMILTON COUNTY AUDITOR

RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT

HAMILTON COUNTY BOARD OF COMMISSIONERS
BY: John C. Dellinger
BY: John C. Dellinger
BY: Sharon R. Clark

ATTEST: John M. Gyle
HAMILTON COUNTY AUDITOR

SUBDIVISION BOND

HCDB-B980038

Bond No.: **127564**

Principal Amount: **\$9,500.00**

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**
195 Lake Louise Marie Rd., Rock Hill, NY 12775-8000 a New York Corporation, as Surety,
are held and firmly bound unto **Hamilton County Board of Commissioners, One Hamilton County**
Square, Noblesville, IN 46060 in the penal sum of **Nine Thousand Five Hundred and**
No/100 (Dollars) (\$9,500.00), 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**
Three Subdivision, in Westfield, IN the following improvements:

Erosion Control

**BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON**

Alan C. Dellinger
Sharon R. Clark
DATE 4/23/00

**RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT**

HAMILTON COUNTY BOARD OF COMMISSIONERS
BY: *Sharon R. Clark*
BY: *Alan C. Dellinger*
BY: *Sharon R. Clark*

ATTEST: *Jan M. G. J.*
HAMILTON COUNTY AUDITOR

ATTEST: *Jan M. G. J.*
HAMILTON COUNTY AUDITOR



CONSULTING ENGINEERS
LAND SURVEYORS

R.M. Stoepelwerth, PE, PLS • David J. Stoepelwerth, PE, PLS • Curtis C. Huff, PLS • Dennis D. Olmstead, PLS • Jeffery W. Darling, PLS

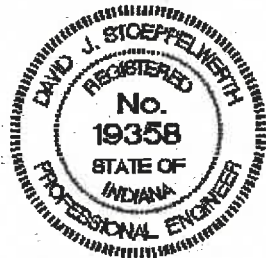
CERTIFICATE OF COMPLETION

DATE: JULY 22, 1999

RE: SETTER'S RUN, SECTION THREE

BASED ON INSPECTIONS PERFORMED, THE REQUIRED IMPROVEMENTS ON THE ABOVE CAPTIONED SUBDIVISION HAVE BEEN COMPLETED IN SUBSTANTIAL ACCORDANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND COUNTY REQUIREMENTS.

ACCEPTANCE OF THE IMPROVEMENTS IS HEREBY RECOMMENDED.



David J. Stoepelwerth

DAVID J. STOEPELWERTH, P.E.

AS SUBSCRIBED AND SWORN TO BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, THIS 22ND DAY OF JULY, 1999.

MY COMMISSION EXPIRES:

09/09/2006

COUNTY OF RESIDENCE:

HAMILTON

SIGNATURE OF NOTARY PUBLIC:

Mary E. Bredlau

PRINTED NAME OF NOTARY PUBLIC:

MARY E. BREDLAU



FORMS/18465CC3



CERTIFICATE OF COMPLETION AND COMPLIANCE

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

Inspection Date(s): _____ Permit No. _____

Relative to plans prepared by: Stoeppelwerth & Associates, Inc.
on 9/25, 1995.

1) To the best of my knowledge, information and belief such land alteration has been performed and completed in conformity with all such drainage requirements, except _____
None

Signature *DJ Stoeppelwerth* Date: 11/18/96

Type Name: David J. Stoeppelwerth Phone: (317) 849-5935

Business Address: 9940 Allisonville Road, Fishers, IN 46038

Surv. X Engr. ___ Arch. ___ Indiana Registration No. R.L.S. S0474

(SEAL)

Metes/22/22687c&c





SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
 Phone (317) 776-8495
 Fax (317) 776-9628

Suite 188
 One Hamilton County Square
 Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

June 20, 2001

Re: Setter's Run Drain: Setter's Run Sec. 3

Attached are as-builts, certificate of completion & compliance, and other information for Setter's Run Sec. 3. 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 October 14, 1998. The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
923	846.84	844.44				
922	847.53	844.15	12	139		
922	847.53	844.15				
921	847.56	843.91	12	30		
921	847.56	843.91				
900	848.36	843.57	12	45	44	1
900	848.36	843.57				
899	844.26	839.77	12	308		
899	844.26	839.77				
898	840.04	835.74	24	436	435	1
898	840.04	835.74				
897		833.42	27	200	213	-13
916	845.61	842.87				
915	846.03	841.04	15	235		
915	846.03	841.04				
917	847.45	841.7	18	160		
917	847.45	841.7				
918	847.38	841.73	15	28		
918	847.38	841.73				
919	847.59	842.08	12	147	150	-3
919	847.59	842.08				
920	845.4	842.95	12	240	242	-2
915	846.03	841.04				
914	847.45	840.94	21	116		

914	847.45	840.94				
913	844.8	840.68	21	116	114	2
913	844.8	840.68				
912	844.88	840.59	24	28		
912	844.88	840.59				
911a	844.85	840.57	24	53		
911a	844.85	840.57				
911	844.52	840.39	24	31	30	1
911	844.52	840.39				
899	844.26	839.77	24	149		
899	844.26	839.77				
908	846.28	842.2	18	149		
908	846.28	842.2				
909	846.43	842.65	18	30	31	-1
909	846.43	842.65				
910	846.26	843.40	15	125		
907	840.55	837.77				
906	840.79	837.2	15	134	133	1
906	840.79	837.2				
905	840.8	837.17	18	28		
905	840.8	837.17				
904	841.77	836.95	21	37		
904	841.77	836.95				
898	840.04	835.74	21	124	122	2
898	840.04	835.74				
901	840.93	837.16	21	149		
901	840.93	837.16				
902	840.89	837.31	21	28		
902	840.89	837.31				
903	841.06	838.08	18	125		

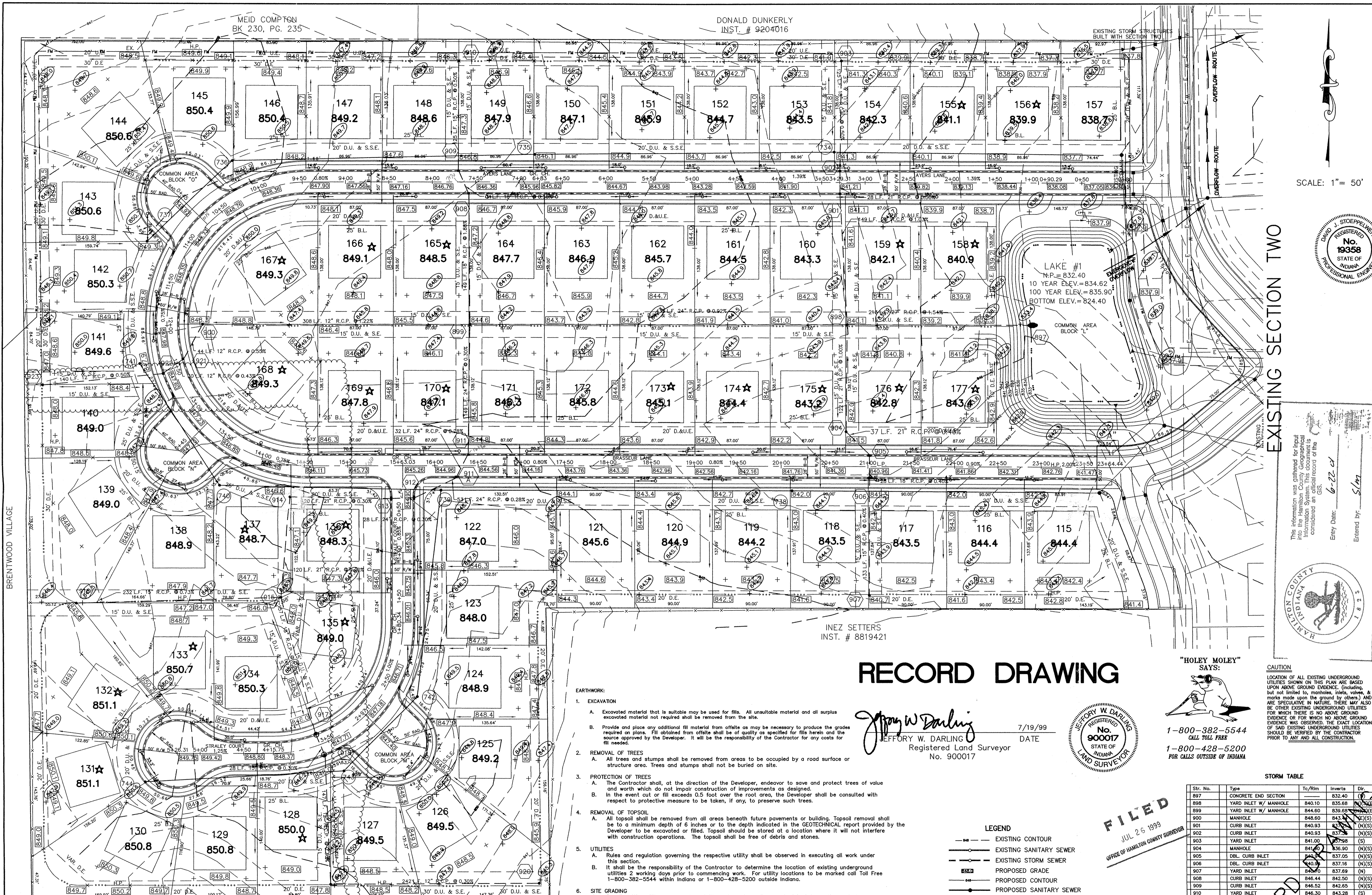
6" SSD Streets:

STRALEY COURT	526
BLOCK O	45
BLOCK M	45
BLOCK N	45
AYERS LN / BRASSEUR LN	2364
x2	

Total: 6050

RCP Pipe Totals:

12	909
15	522
18	492
21	570
24	697
27	200



MEID COMPTON
BK 230, PG. 235

DONALD DUNKERLY
INST. # 9204016

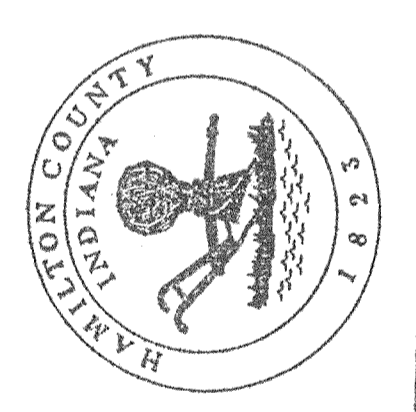
EXISTING STORM STRUCTURES
BUILT WITH SECTION TWO

SCALE: 1" = 50'



EXISTING SECTION TWO

This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.
Entry Date: 6-22-01
Entered by: SLM

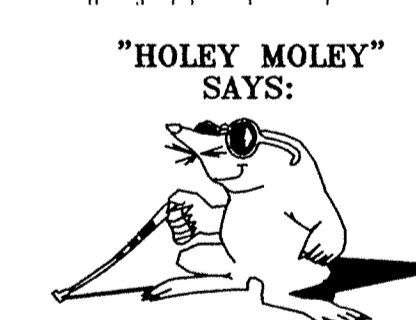


INEZ SETTERS
INST. # 8819421

RECORD DRAWING

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

7/19/99
DATE



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

CAUTION
LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE, INCLUDING, BUT NOT LIMITED TO, MANHOLES, FLAGS, 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.

- 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 fill 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 shall be removed from areas to be occupied by a road surface or structure 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 to protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL
 - All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the GEOTECHNICAL report provided by the Developer 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.

LEGEND

- EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SWALE
- PROPOSED 4" SIDEWALK (BY HOME BUILDER)

115
844.4
★

LOT NUMBER
PAD ELEVATION
PAD SIZE 60'x60'
DENOTES PADS OF 2'-0" OF FILL OR MORE
PROPOSED 6" UNDERDRAINS
PROPOSED 4" SUBSURFACE DRAIN

STORM TABLE

Str. No.	Type	Tc/Rim	Inverts	Dir.
897	CONCRETE END SECTION		832.40	(S)
898	YARD INLET W/ MANHOLE	840.10	835.68	(N)(S)(W)
899	YARD INLET W/ MANHOLE	844.60	839.68	(N)(E)(W)
900	MANHOLE	848.60	843.30	(E)(S)
901	CURB INLET	840.93	837.30	(N)(S)
902	CURB INLET	840.93	837.30	(N)(S)
903	YARD INLET	841.00	837.98	(S)
904	MANHOLE	841.00	836.90	(N)(S)
905	DBL. CURB INLET	841.00	837.05	(N)(S)
906	DBL. CURB INLET	841.00	837.18	(N)(S)
907	YARD INLET	841.00	837.69	(N)
908	CURB INLET	846.44	842.50	(N)(S)
909	CURB INLET	846.52	842.60	(N)(S)
910	YARD INLET	846.30	843.28	(S)
911	CURB INLET	844.64	840.13	(N)(SW)
911A	CURB INLET	844.76	840.22	(NE)(SW)
912	DBL. CURB INLET	844.80	840.37	(NE)(W)
913	DBL. CURB INLET	844.80	840.45	(E)(W)
914	MANHOLE	847.00	840.79	(S)(E)
915	YARD INLET W/ MANHOLE	846.00	841.14	(N)(S)(W)
916	YARD INLET	845.80	842.86	(S)
917	CURB INLET W/MANHOLE	847.72	841.62	(N)(S)
918	CURB INLET W/MANHOLE	847.72	841.71	(N)(S)
919	YARD INLET W/ MANHOLE	847.80	842.15	(N)(E)
920	YARD INLET	845.50	842.88	(W)
921	CURB INLET	847.68	843.68	(N)(W)
922	CURB INLET	847.60	843.81	(E)(W)
923	YARD INLET	847.00	844.50	(E)

- GENERAL NOTES:
- CONTRACTOR SHALL GRADE SIDE YARDS TO GRADES INST. # 8819421 INDICATED ON SITE DEVELOPMENT PLAN.
 - CONTRACTOR SHALL CONSTRUCT BUILDING PAD AREAS TWO FEET LARGER THAN AREA SHOWN ON SITE DEVELOPMENT PLAN.
 - 4" CONCRETE WALK ACROSS THE FRONTAGE OF ANY COMMON AREAS TO BE INSTALLED BY THE DEVELOPER OR THEIR REPRESENTATIVE.

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

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.

FORM/EARTHWRK
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

CERTIFIED: 6/8/99

OWN. BY: BIDS 7/12/99
OK. BY: EFF 8/4/98
SCALE: 1"=50'
DATE: 6/8/99

REVISIONS

BY: [Blank]

DATE: [Blank]

MARK: [Blank]

REVISIONS:

AS BUILT 7/12/99
REV. PER SURVEYOR'S COMMENTS 8/4/98
REV. PER PERM. 7/8/98
REV. PER HAMILTON COUNTY HIGHWAY DEPT. 7/1/98

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

SITE DEVELOPMENT PLAN
SECTION THREE
WESTFIELD

SETTER'S RUN
SHEET NO. 3
OF 19 SHEETS
JOB NO. 22687

RECORD DRAWING

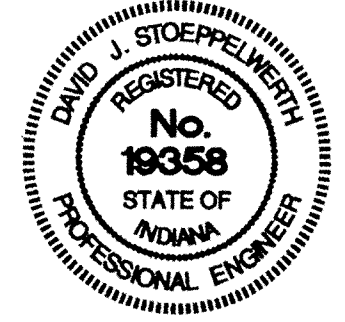
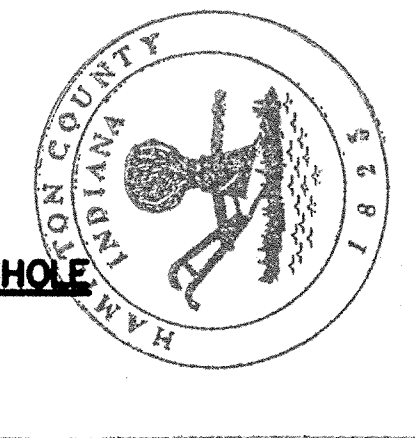
Jeffery W. Darling
 JEFFERY W. DARLING
 Registered Land Surveyor
 No. 900017

7/19/99
 DATE

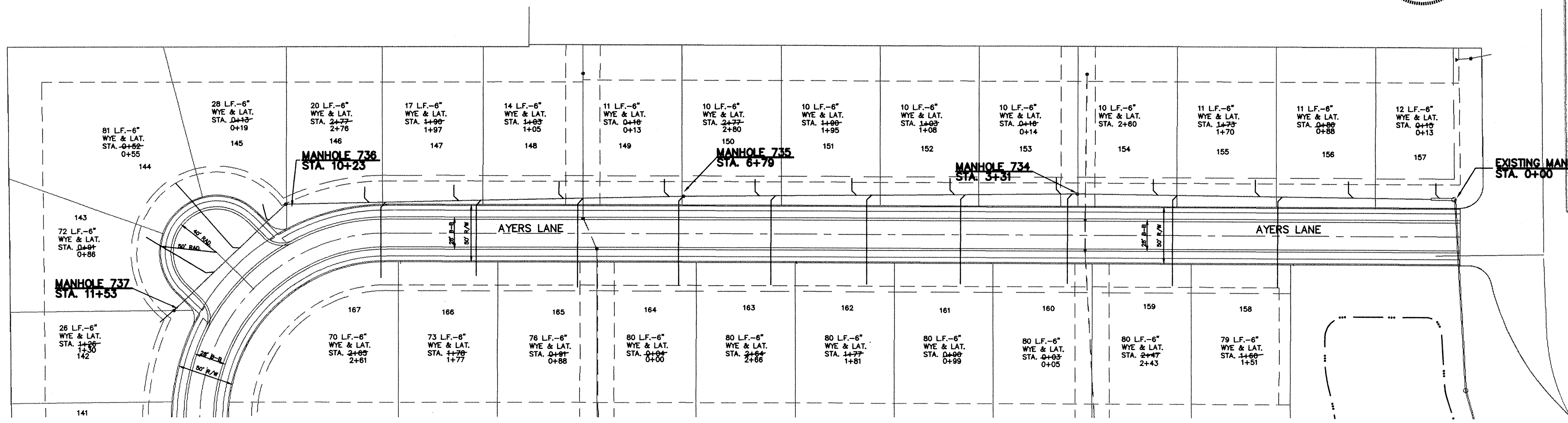


This information was gathered for input into the Hamilton County Geographical Information System. This instrument is considered an electronic record of the original.

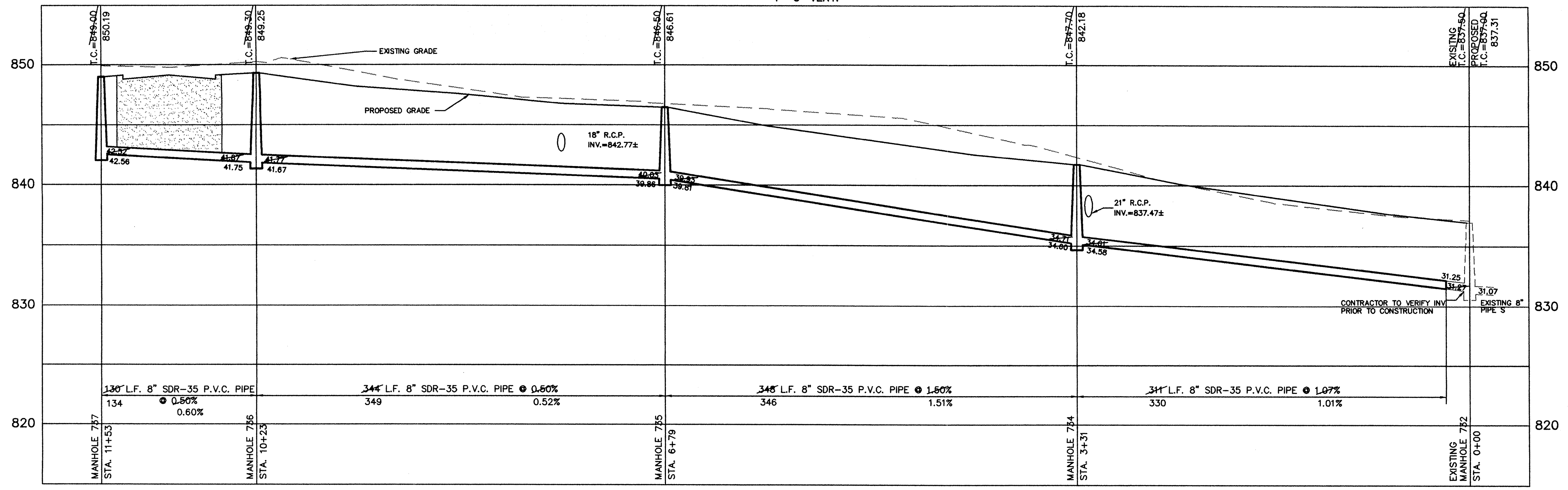
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 Entered by: SL



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DATE	6/8/98	BY	DJS
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DATE	6/8/98	BY	DJS

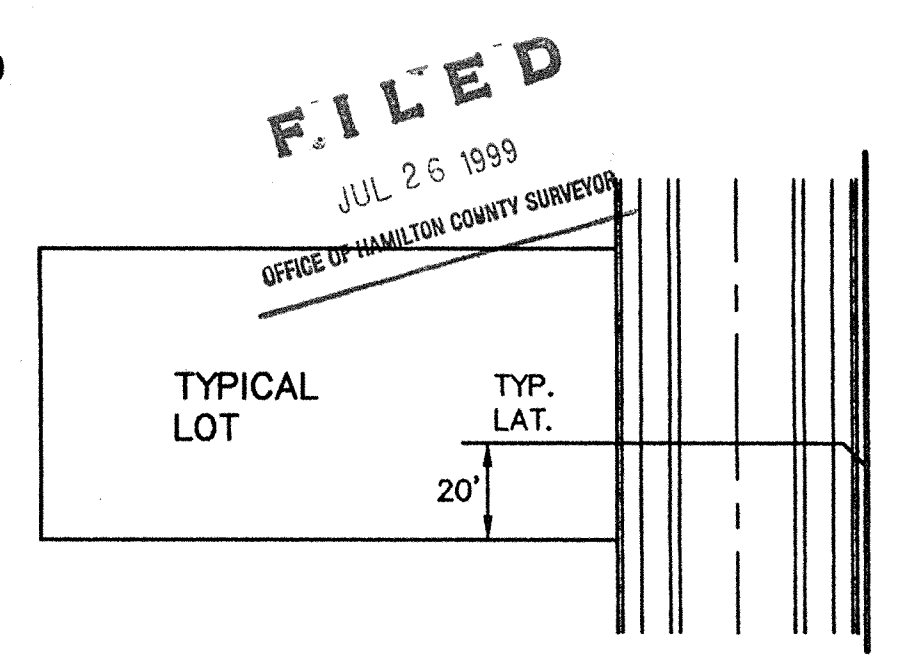


SCALE: 1"=50' HOR.
 1"=5' VERT.



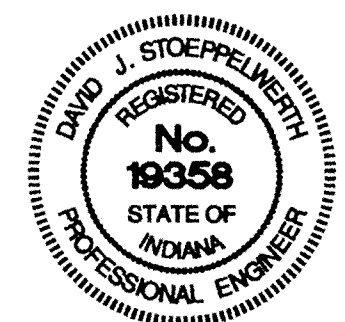
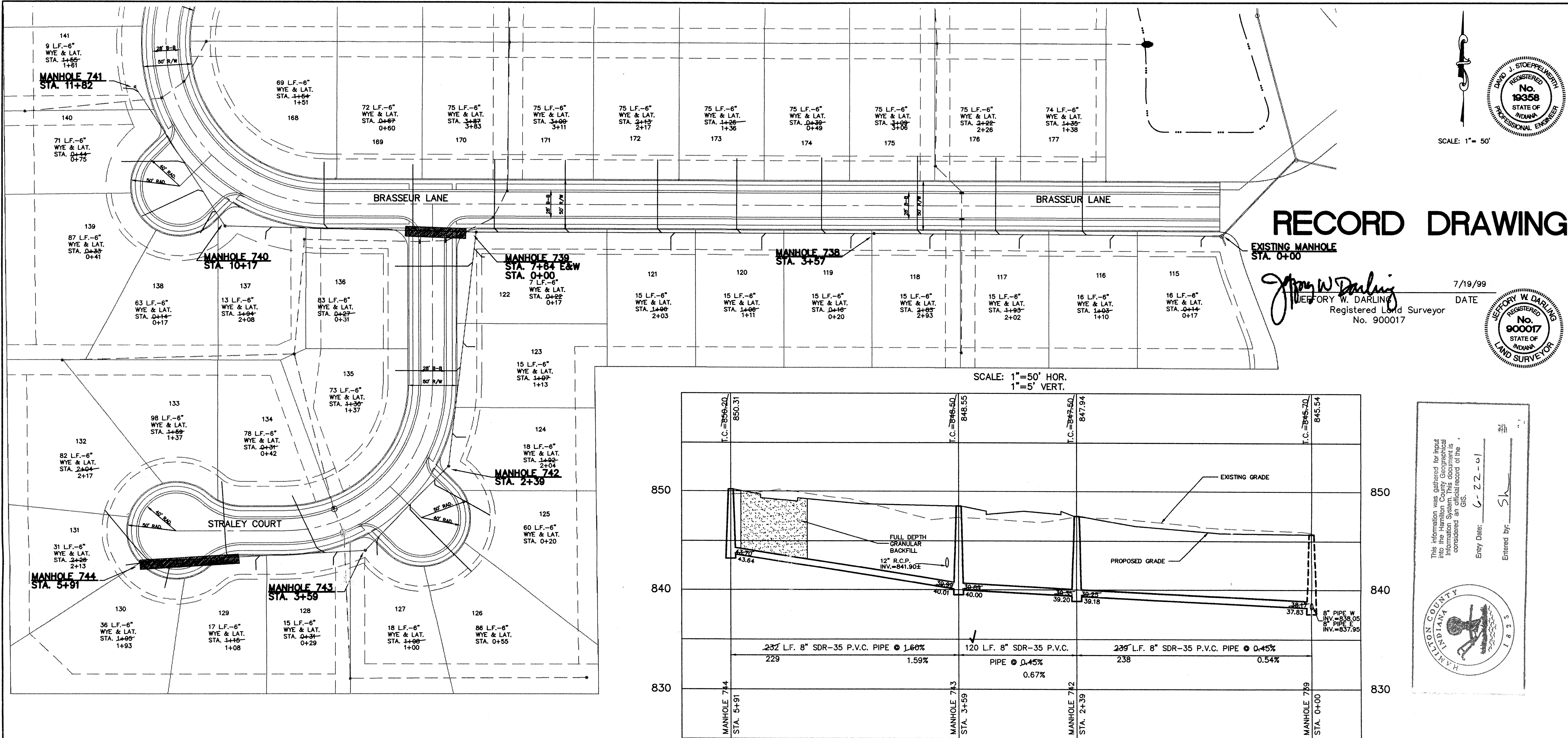
SCALE: 1"= 50'

NOTES
 FULL DEPTH GRANULAR BACKFILL SHALL BE INSTALLED ON ALL SEWER LATERAL STREET CROSSINGS & COMPACTED PER I.N.D.O.T. STANDARDS.
 MIN. SLOPES PER THE TEN STATE STANDARDS SHALL PREVAIL IN ALL CASES.
 CONTRACTOR SHALL EXTEND SEWER LATERALS AS SHOWN. IN NO CASE SHALL END OF LATERAL BE CLOSER THAN 5' TO BUILDING SETBACK LINE.



CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 INDIANAPOLIS INDIANA
 SANITARY SEWER PLAN & PROFILE
 SETTER'S RUN SECTION THREE
 WESTFIELD INDIANA
 SHEET NO. 19 OF 19 SHEETS
 JOB NO. 22687

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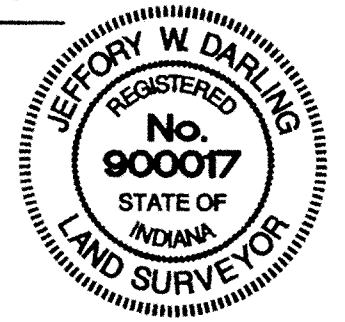
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RECORD DRAWING

EXISTING MANHOLE STA. 0+00

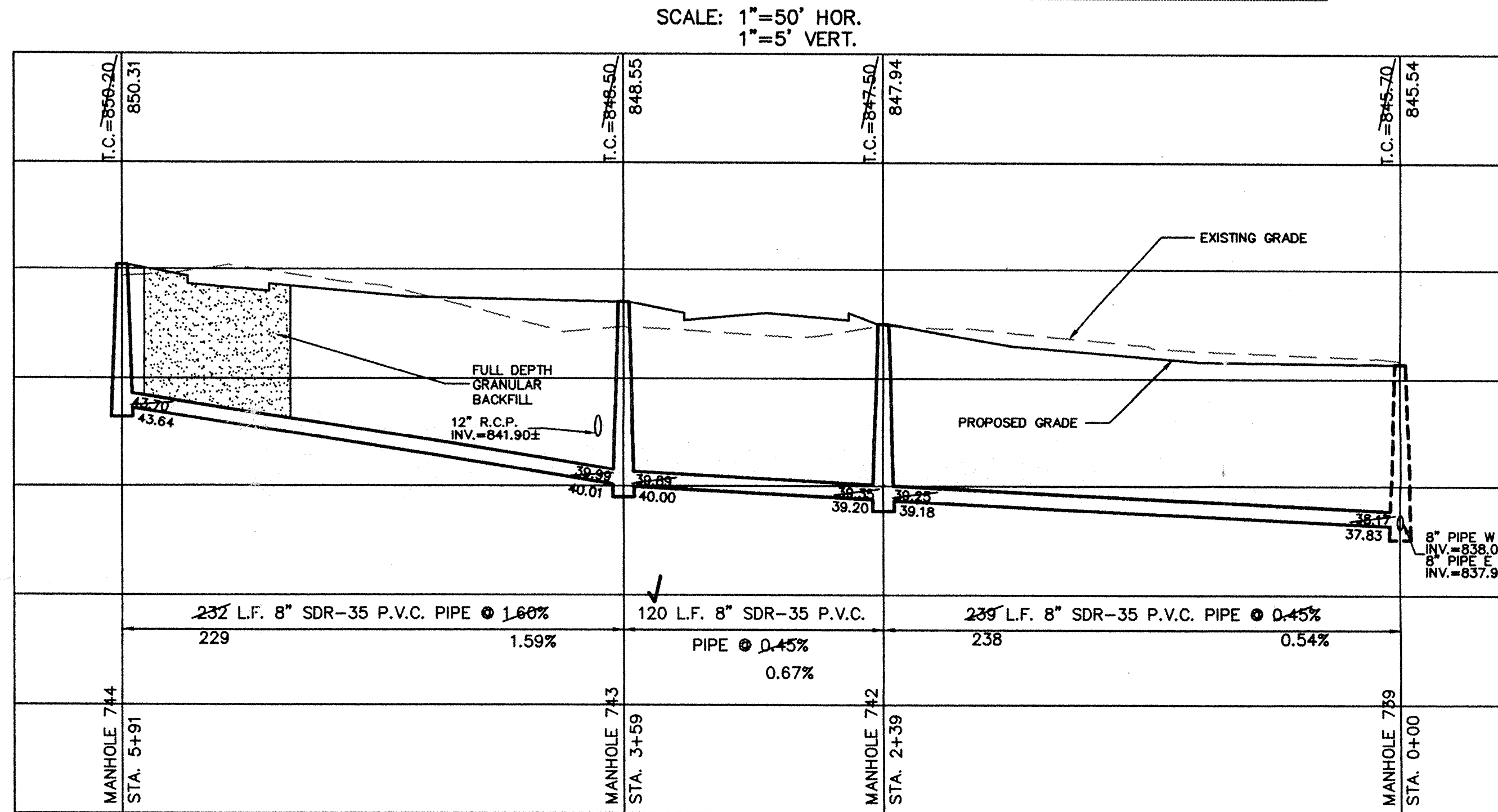
Jeffrey W. Darling
JEFFREY W. DARLING
 Registered Land Surveyor
 No. 900017

DATE 7/19/99



CERTIFIED: 6/8/98

DATE 6/9/98

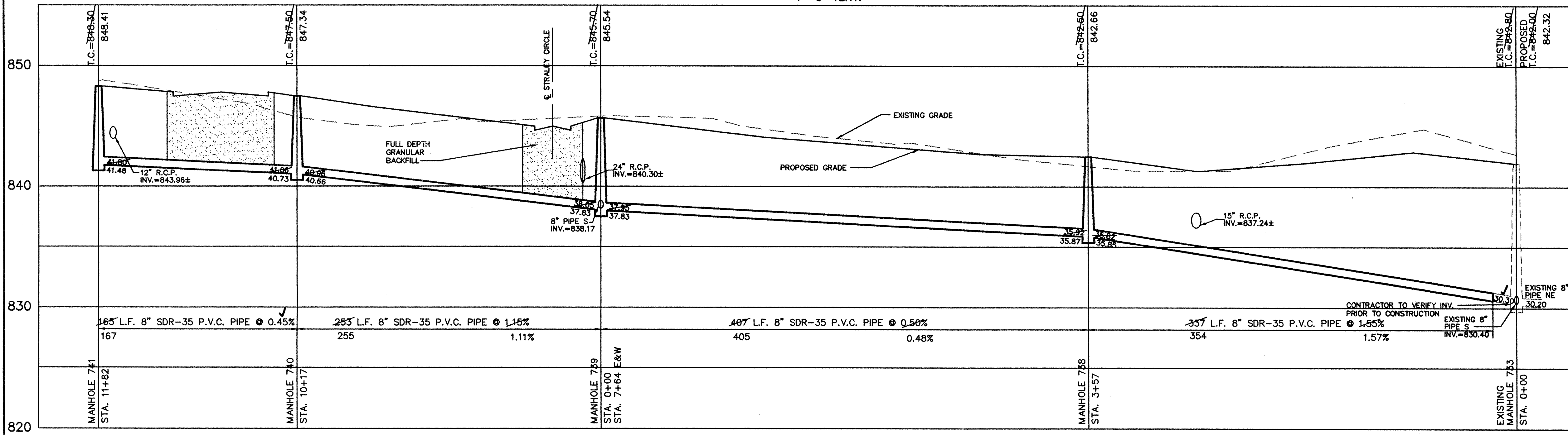
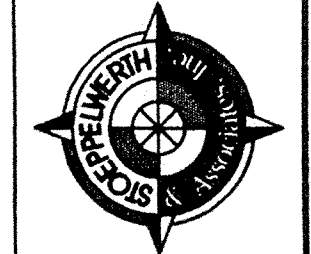


SCALE: 1" = 50' HOR.
 1" = 5' VERT.

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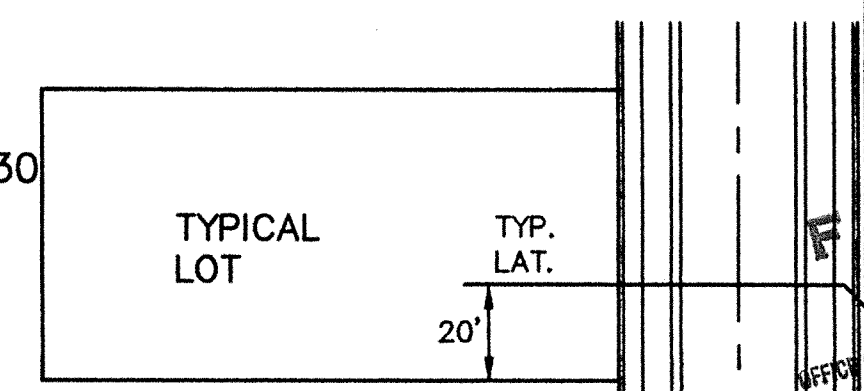
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 Entered by: SK

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 INDIANAPOLIS INDIANA



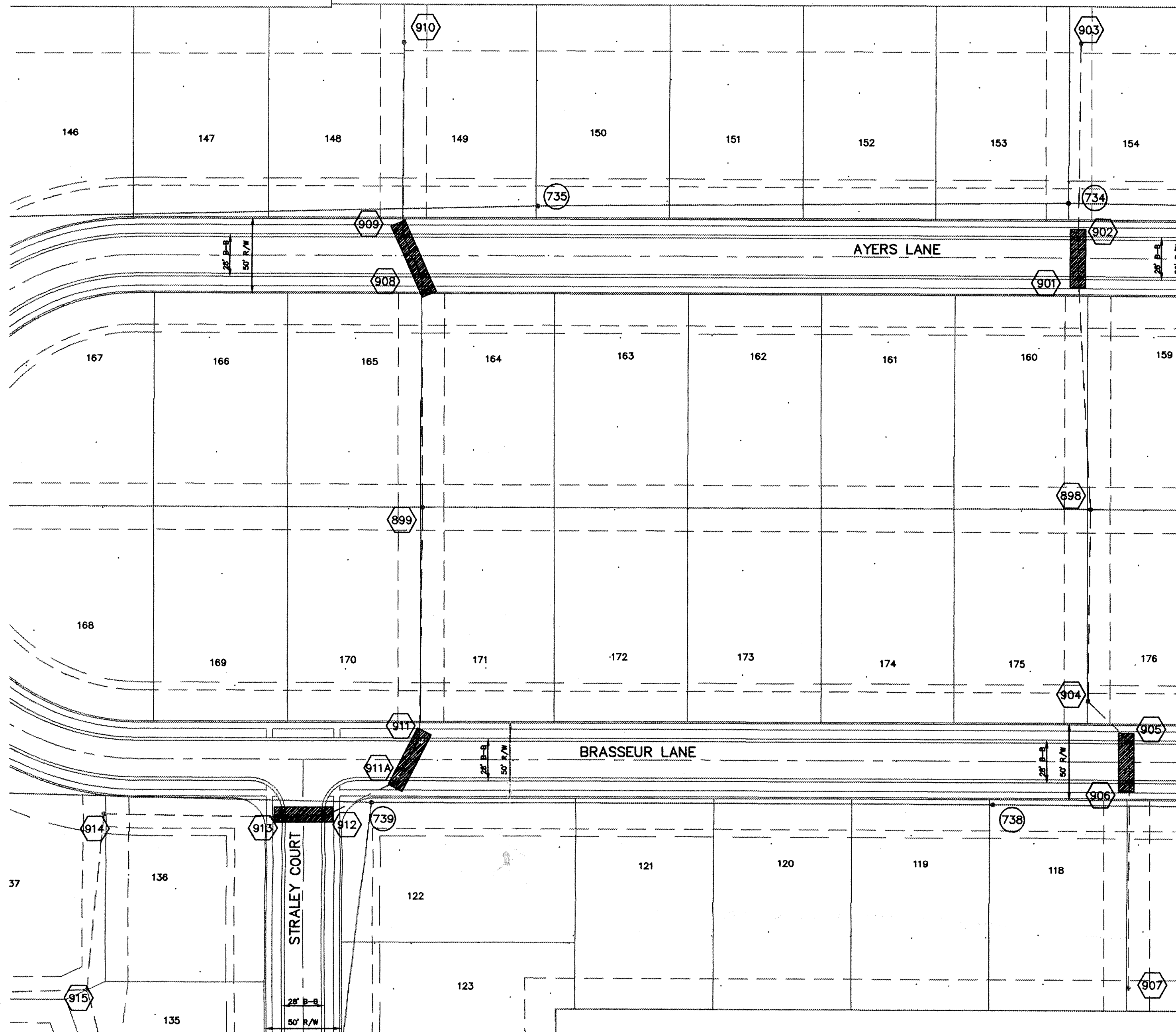
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TYPICAL LATERAL DETAIL

SANITARY SEWER PLAN & PROFILE
 SETTER'S RUN SECTION THREE
 WESTFIELD INDIANA



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
12" to 18"	2'x2'		DESIGN APPROVAL	No	Yes
18" or 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes
21" or 27"	2'x3'*		DESIGN APPROVAL	No	No
24" or LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No
24" or LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes

* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX
 ** INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE

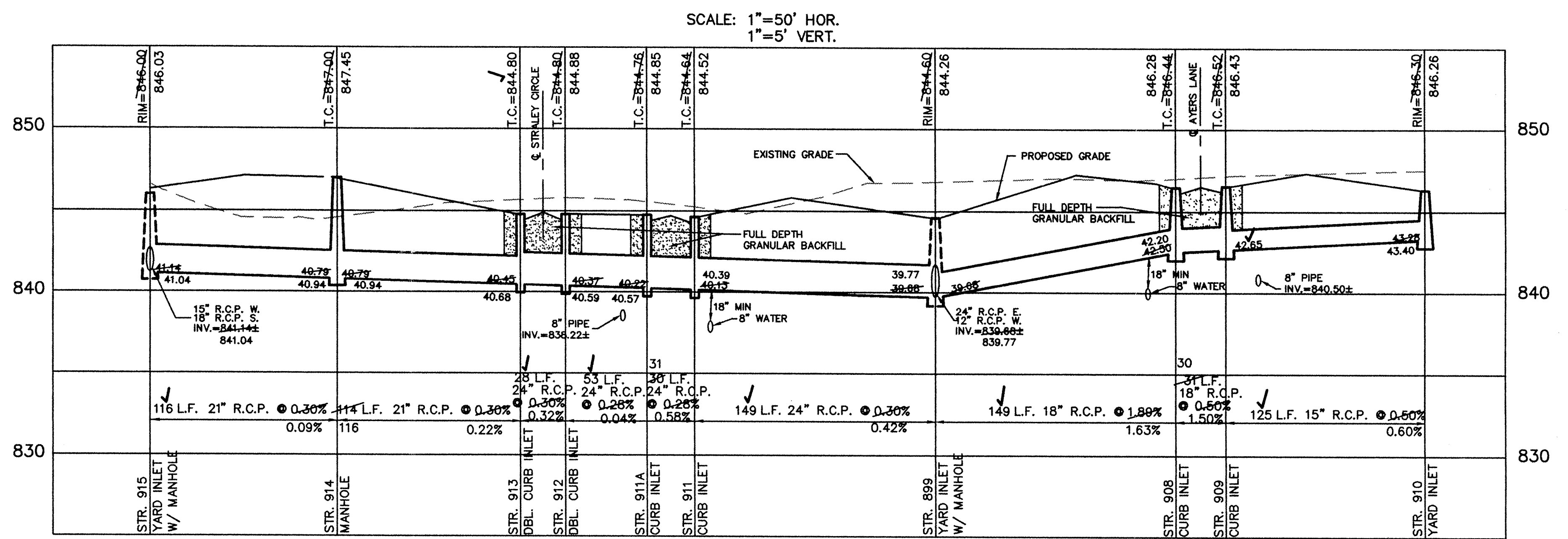
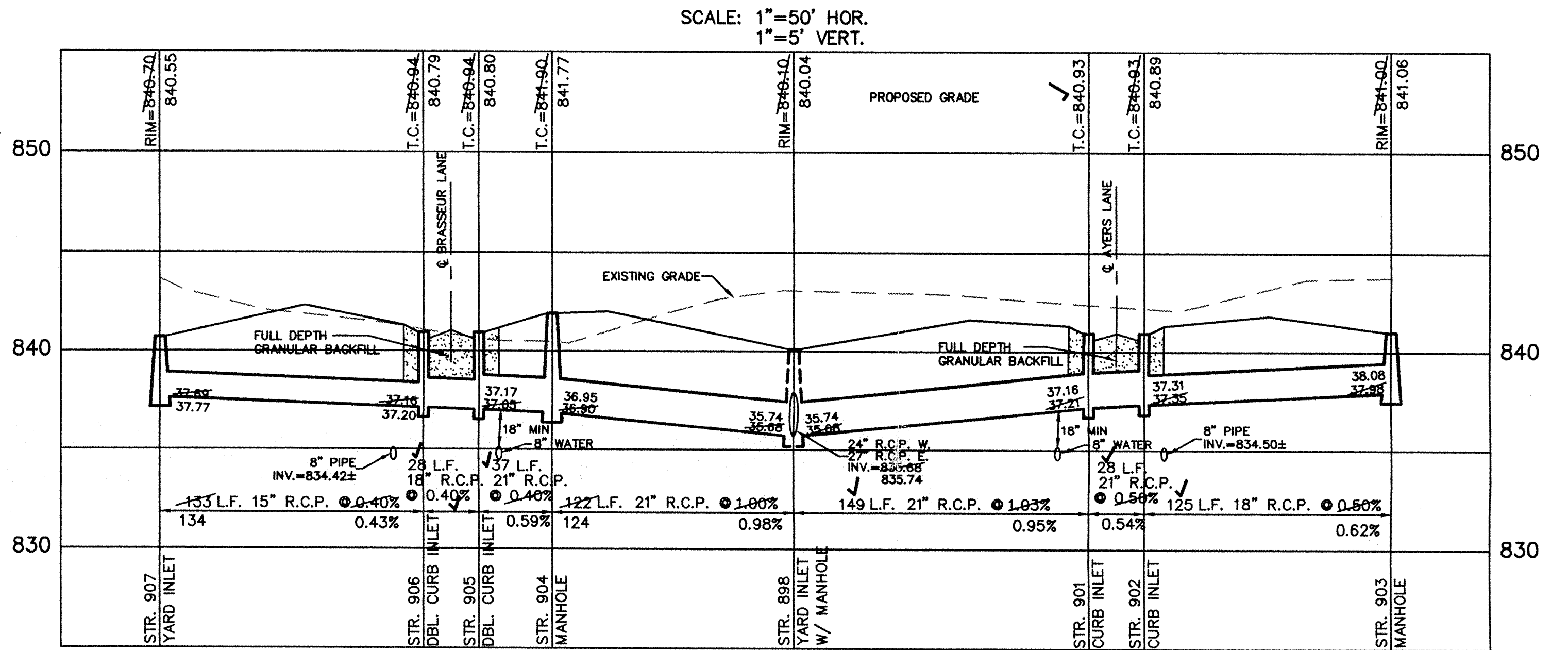
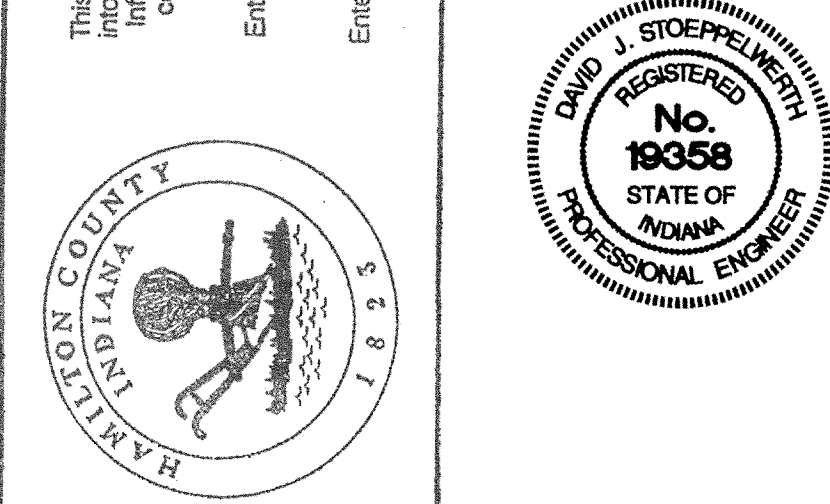
SPECIAL NOTE:
 STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A M.H. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.

SPECIAL NOTE:
 STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES

SPECIAL NOTE:
 COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.

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Entry Date: 6-22-01
 Entered by: [Signature]



RECORD DRAWING

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



SCALE: 1" = 50'

STORM SEWER PLAN & PROFILE

SETTER'S RUN SECTION THREE

WESTFIELD, INDIANA

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

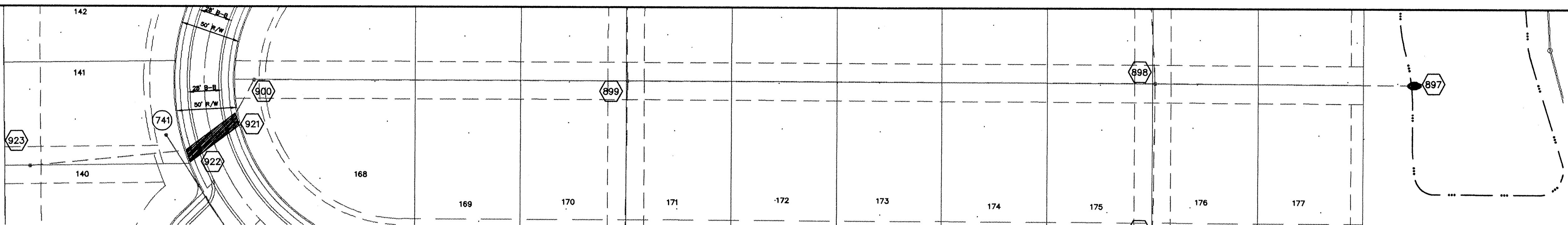
OFFICE OF HAMILTON COUNTY SURVEYOR

JUL 25 1999

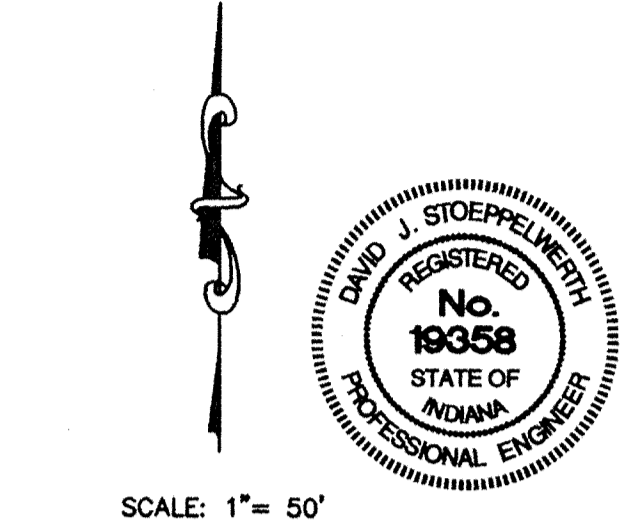
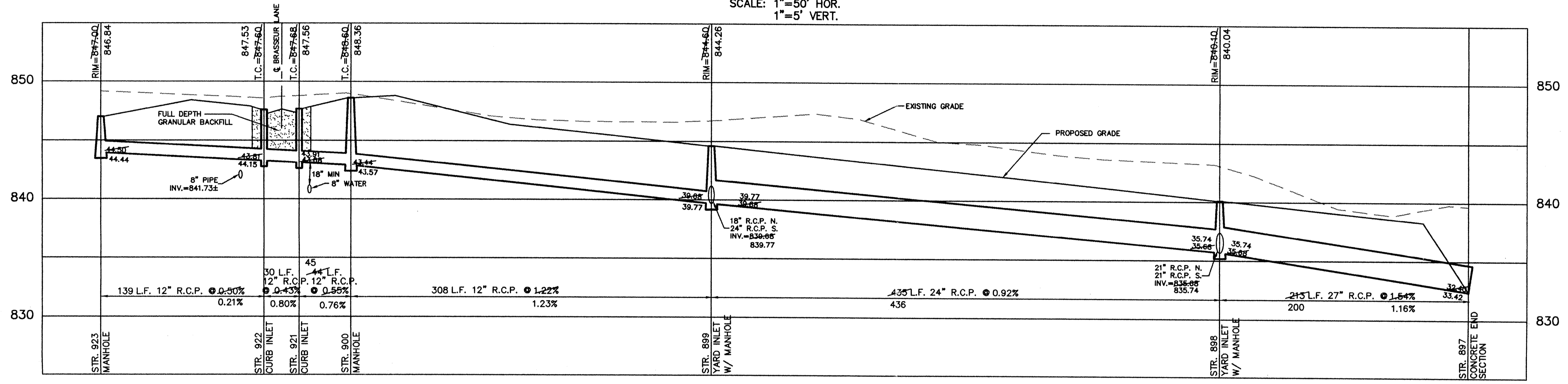
SHEET NO. 14

OF 19 SHEETS
 JOB NO. 22687

FILED



SCALE: 1"=50' HOR.
1"=5' VERT.



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Entry Date: 6-22-01
Entered by: S.H. [Signature]

RECORD DRAWING

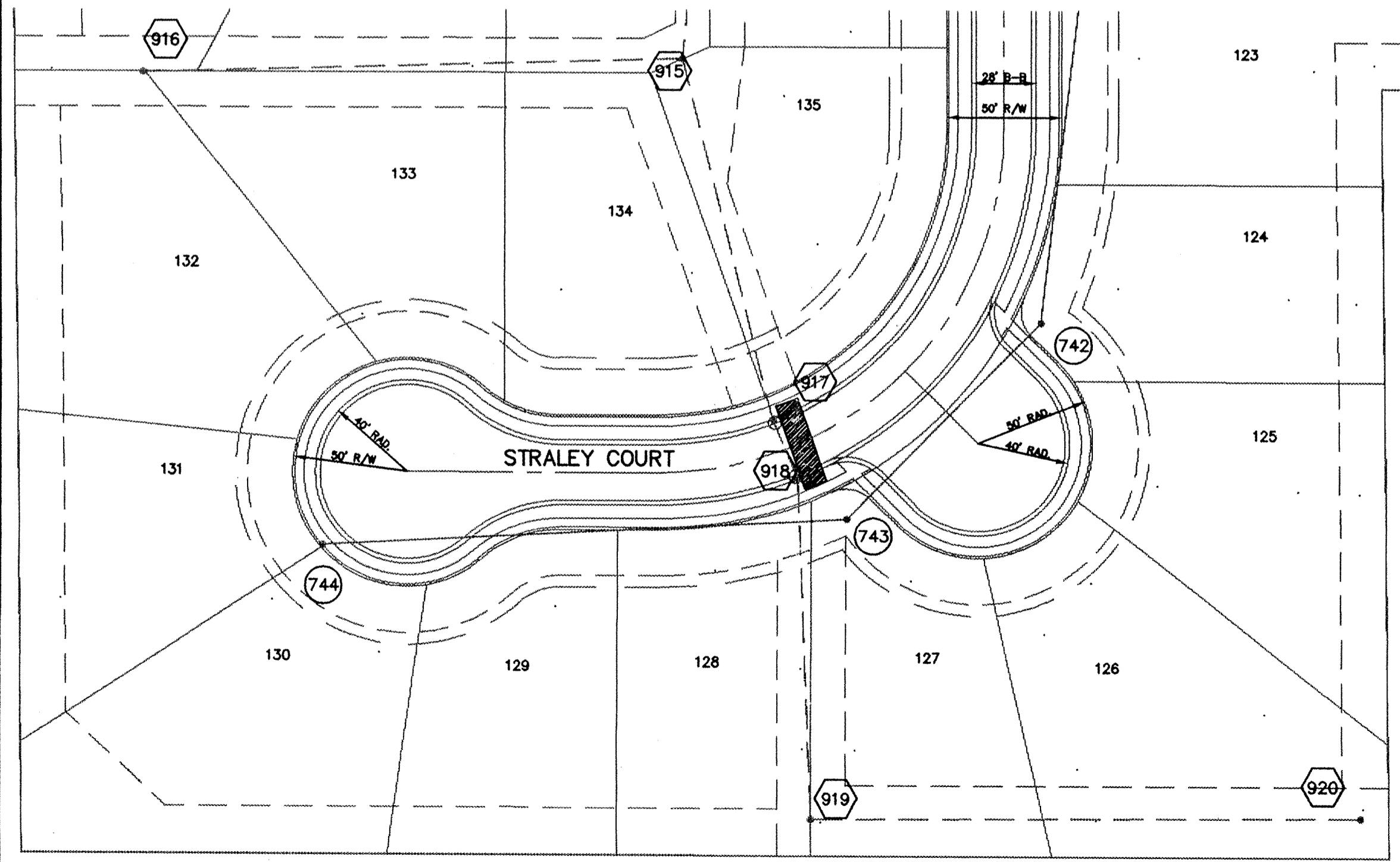
Jeffery W. Darling
JEFFORY W. DARLING
Registered Land Surveyor
No. 900017
DATE: 7/19/99



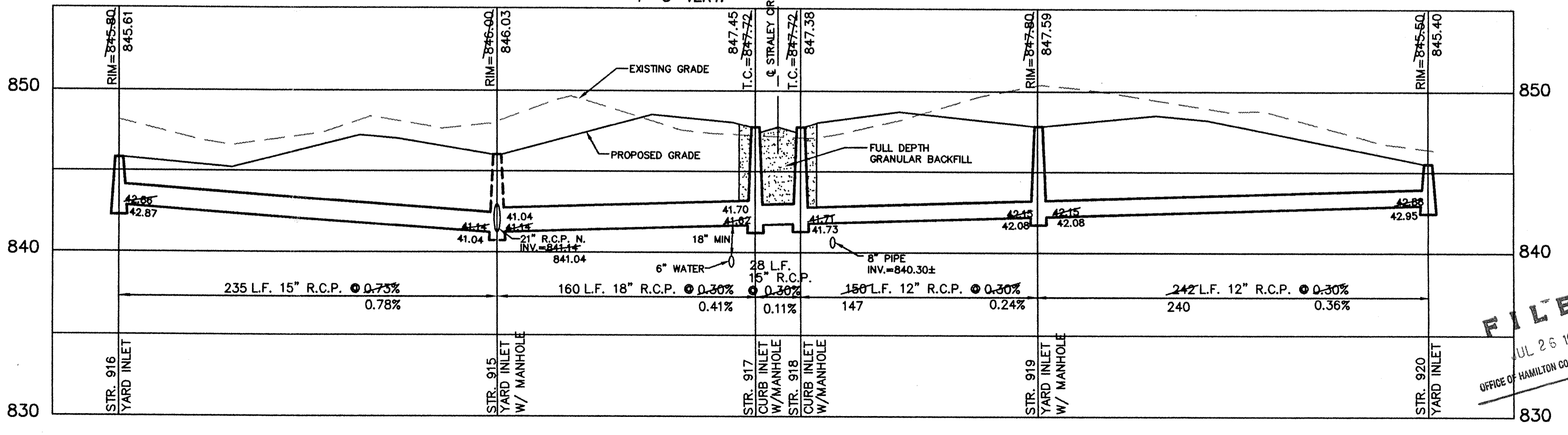
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SCALE: 1"=50' HOR.
1"=5' VERT.



CERTIFIED: 6/8/98
 CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX:(317) 849-5942
 INDIANAPOLIS INDIANA
 OFFICE OF HAMILTON COUNTY SURVEYOR
 JUL 26 1999
 SHEET NO. 13 OF 19 SHEETS
 JOB NO. 22687
 SETTER'S RUN SECTION THREE
 WESTFIELD INDIANA
 REVISIONS: [Table with columns for DATE, MARK, REVISIONS]
 BY: [Table with columns for DATE, MARK, REVISIONS]
 DATE: 6/8/98

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