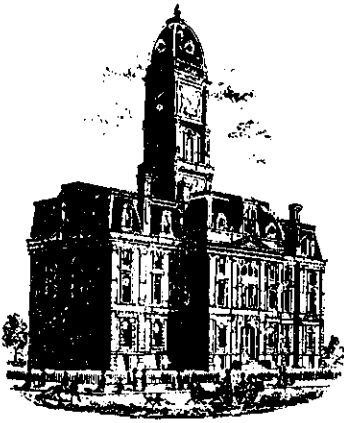


**Drain:** KINGSBOROUGH DRAIN **Drain #:** 297  
**Improvement/Arm:** KINGSBOROUGH - SECTION 2  
**Operator:** SLM/ JDH **Date:** 1-9-04  
**Drain Classification:** Urban/Rural **Year Installed:** 1998

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH 1-9
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains SLM/ JDH 1-9
- Digitize & Attribute SSD SLM/ JDH 1-9
- Digitize & Attribute Open Ditch N/A
- Stamp Plans SLM/ JDH 1-9
- Sum drain lengths & Validate SLM/ JDH 1-9
- Enter Improvements into Posse SLM/ JDH 1-9
- Enter Drain Age into Posse JDH 1-22
- Sum drain length for Watershed in Posse JDH 1-22
- Check Database entries for errors SLM/ JDH 1-9





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

September 21, 1999

Re: Kingsborough Drain, Section 2 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for Section 2 Arm, Kingsborough 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 – 3,652 Ft.	18" RCP – 274 Ft.	27" RCP – 220 Ft.
12" RCP – 891 Ft.	21" RCP – 220 Ft.	36" RCP – 84 Ft.
15" RCP – 285 Ft.	24" RCP – 104 Ft.	42" RCP – 467 Ft.

The total length of the drain will be 6,197 feet.

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 individual lots will not be considered part of the regulated drain.

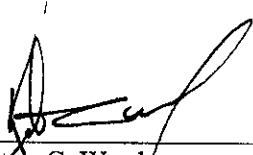
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$30.00 per lot, \$5.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$785.15.

Parcels assessed for this drain may be assessed for the Collins-Osborn or Williams Creek Drain at sometime in the future.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 – 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 Kingsborough Section 2 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for October 25, 1999.

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

Kenton C. Ward  
Hamilton County Surveyor

**SUBDIVISION BOND**



Bond # 068 S 103119637 BCM

KNOW ALL MEN BY THESE PRESENTS, That we, Zaring Homes, Inc. (Hereinafter called "Principal") as Principal and Travelers Casualty and Surety Company of America, a corporation of the State of Connecticut with its home office in the city of Hartford, State of Connecticut, (Hereinafter called "Surety") as Surety, are held and firmly bound unto Hamilton County Commissioners (hereinafter called "Obligee") in the full and just sum of Thirty Five Thousand Seven Dollars and no/100ths (\$35,007.00-----) for the payment of which sum, well and truly to be made, the Principal and Surety bind themselves, their and each of their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written agreement, with the Obligee relating to the construction of subsurface drainage, storm sewers and erosion control for Kingsborough II Subdivision, Section     , construction plan approved by Hamilton County Commissioners.

NOW, THEREFORE, the condition of this obligation is such that the Principal shall well and truly perform and carry out the covenants, terms, and conditions of said agreement, and for the bond to remain in full force and effect until completion of the improvements have been duly accepted by an authorized agent of Hamilton County Commissioners.

This obligation shall remain in full force and effect until terminated in writing by Hamilton County Commissioners, c/o Hamilton County Surveyors, One Hamilton County Square, Noblesville, IN 46060-2230.

It is understood that should the Principal fail to fully comply with the condition of this obligation, the Obligee shall declare the obligation defaulted and Surety may, at its option:

1. Promptly complete the contract in accordance with its terms and conditions, or
2. Pay over to Obligee the reasonable cost of completing the obligation, not to exceed the amount of this bond.

This bond is signed and sealed this 1st day of November, 1998.

Zaring Homes, Inc.

Witness: Marcy Myers

By: [Signature] (Principal)

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

Travelers Casualty and Surety Company of America  
(Surety)

DATE \_\_\_\_\_

By: Karen L. Lieberg  
Karen L. Lieberg Attorney-in-Fact

**ATTEST: \_\_\_\_\_  
HAMILTON COUNTY AUDITOR**

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA  
TRAVELERS CASUALTY AND SURETY COMPANY  
FARMINGTON CASUALTY COMPANY  
Hartford, Connecticut 06183-9062  
TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS  
Naperville, Illinois 60563-8458

**POWER OF ATTORNEY AND CERTIFICATE OF AUTHORITY OF ATTORNEY(S)-IN-FACT**

KNOW ALL PERSONS BY THESE PRESENTS, THAT TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY and FARMINGTON CASUALTY COMPANY, corporations duly organized under the laws of the State of Connecticut, and having their principal offices in the City of Hartford, County of Hartford, State of Connecticut, and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS, a corporation duly organized under the laws of the State of Illinois, and having its principal office in the City of Naperville, County of DuPage, State of Illinois, (hereinafter the "Companies") hath made, constituted and appointed, and do by these presents make, constitute and appoint: Thomas M. Kunkel, Douglas E. Bender, Edward R. Dlugos, Eric M. Broich, Paula A. Oiler, Julia A. Morek, Anthony P. Lekse, Aaron T. Ort, Theresa A. Svigel, Benjamin J. Pachla, Rochelle Smith, David A. Walla, David L. Brown, Judith M. Kern, James E. Hudson, Karen L. Lieberg, Mary Jane Schopp, Rick A. Gasiorowski, Mark S. Costello, James Rogus, JoAnn C. Wahrenberger, Lonnie J. Grossi, Robert S. Abbott, Peter J. O'Connell, J. R. Powers, Theresa M. Maccaroné, Carol M. Garrett, Corry L. Spampinato or Kathleen K. Lancaster \* \*

of Cleveland/Cincinnati, OH; Pittsburgh, PA; Rochester, NY, their true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any place within the United States, or, if the following line be filled in, within the area there designated the following instrument(s):  
by his/her sole signature and act, any and all bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking and any and all consents incident thereto

and to bind the Companies, thereby as fully and to the same extent as if the same were signed by the duly authorized officers of the Companies, and all the acts of said Attorney(s)-in-Fact, pursuant to the authority herein given, are hereby ratified and confirmed.

This appointment is made under and by authority of the following Standing Resolutions of said Companies, which Resolutions are now in full force and effect:

VOTED: That the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her.

VOTED: That the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary.

VOTED: That any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary, or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority.

This Power of Attorney and Certificate of Authority is signed and sealed by facsimile under and by authority of the following Standing Resolution voted by the Boards of Directors of TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY, FARMINGTON CASUALTY COMPANY and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS, which Resolution is now in full force and effect:

VOTED: That the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY, FARMINGTON CASUALTY COMPANY and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS have caused this instrument to be signed by their Senior Vice President, and their corporate seals to be hereto affixed this 18th day of August, 1998.

STATE OF CONNECTICUT

)SS. Hartford

COUNTY OF HARTFORD

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA  
TRAVELERS CASUALTY AND SURETY COMPANY  
FARMINGTON CASUALTY COMPANY  
TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS

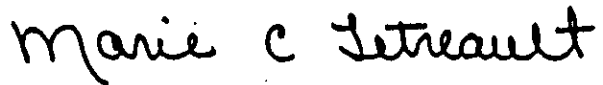


By 

George W. Thompson  
Senior Vice President

On this 18th day of August, 1998 before me personally came GEORGE W. THOMPSON to me known, who, being by me duly sworn, did depose and say: that he/she is Senior Vice President of TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY, FARMINGTON CASUALTY COMPANY and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS, the corporations described in and which executed the above instrument; that he/she knows the seals of said corporations; that the seals affixed to the said instrument are such corporate seals; and that he/she executed the said instrument on behalf of the corporations by authority of his/her office under the Standing Resolutions thereof.





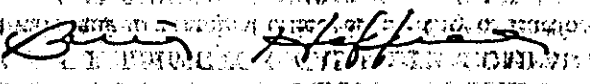
My commission expires June 30, 2001 Notary Public  
Marie C. Tetreault

CERTIFICATE

I, the undersigned, Assistant Secretary of TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY and FARMINGTON CASUALTY COMPANY, stock corporations of the State of Connecticut, and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS, stock corporation of the State of Illinois, DO HEREBY CERTIFY that the foregoing and attached Power of Attorney and Certificate of Authority remains in full force and has not been revoked; and furthermore, that the Standing Resolutions of the Boards of Directors, as set forth in the Certificate of Authority, are now in force.

Signed and Sealed at the Home Office of the Company, in the City of Hartford, State of Connecticut, Dated this 18<sup>th</sup> day of November, 1998.



By 

Brian Hoffman  
Assistant Secretary, Bond

STORM SEWER  
CERTIFICATE OF COMPLETION AND COMPLIANCE.  
KINGSBOROUGH, SECTION 2

Address of premises on which  
land alteration was accomplished 141st Street and Ditch Road

Inspection Date(s): \_\_\_\_\_ Permit No. \_\_\_\_\_

Relative to plans prepared by: StoeppeIwerth and Associates, Inc.  
on January 6, 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 storm between STR 862 and 862A is backwards. Water is standing in STR 862. Swale grades rear Lots 75, 81, 84 and 85.

Signature Jeffery W. Darling Date: 3-16-00

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

Business Address 9940 Allisonville Rd.,  
Fishers, Indiana 46038

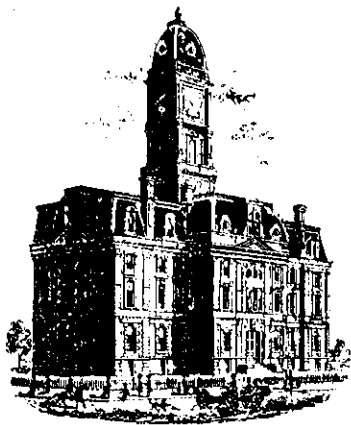
Surv.  Engr. \_\_\_\_\_ Arch. \_\_\_\_\_ Indiana Registration No. 900017

(SEAL)



10265COM/IWP/FORM





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

November 20, 2001

Re: Kingsborough Drain: Sec. 2 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Kingsborough 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 September 21, 1999. The changes are as follows:

**Structure:            T.C.:            I.E.:            Pipe:            Length: Original Plans: Difference:**

	878		886.89				
	877	891.56	886.53	24	100	104	-4
	877	891.56	886.53				
Existing 871		891.38	886.48	36	86	84	2
Existing 871		891.38	886.48				
Existing Manhole 862		891.87	885.68	42	158	165	-7
Existing Manhole 862		891.87	885.68				
Existing Manhole 862A		891.51	885.89	42	51	50	1
Existing Manhole 862A		891.51	885.89				
Existing Yard Inlet	861	890.25	884.78	42	256	252	4
	862	891.87	885.78				
	868	890.05	886.34	18	139		
	868	890.05	886.34				
	870	889.66	886.35	15	49	51	-2
	870	889.66	886.35				
	869	889.57	886.59	12	32	35	-3
	876	893.51	890.93				
	875	894.56	890.51	18	122	135	-13
	875	894.56	890.51				
	874	894.52	890.25	21	34	36	-2
	874	894.52	890.25				
	873	895.41	890.24	21	27	28	-1
	873	895.41	890.24				
	872	894.7	889.96	27	118	117	1

872	894.7	889.96				
871	891.38	887.09	27	105	103	2
865	891.73	889.41				
864	892.31	888.32	12	180	178	2
864	892.31	888.32				
863	892.34	888.04	21	30		
863	892.34	888.04				
862	891.87	885.78	21	158	156	2
864	892.31	888.32				
866	892.18	888.49	15	45	44	1
866	892.18	888.49				
867	892.04	888.93	12	30		
855	890.72	886.49				
854	890.75	886.04	15	30		
854	890.75	886.04				
853		883.84	15	161	164	-3
859	893.9	891.92				
858	894.9	891.48	12	45	44	1
858	894.9	891.48				
856	892.78	889.87	12	143	142	1
856	892.78	889.87				
856A	890.58	884.84	12	346	347	-1
856	892.78	889.87				
857	891.58	890.65	12	122	129	-7

**6" SSD Streets:**

KINGSGATE DR	865.01
WELFORD WAY	764.66
NEWCASTLE DR	271.98
x2	

**Total:** 3803.3

**RCP Pipe Totals:**

12	898
15	285
18	261
21	249
24	100
27	223
36	86
42	465

**Total** 2567

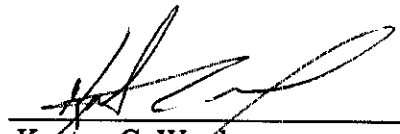
The length of the drain due to the changes described above is now **6,370 feet**.

The non-enforcement was approved by the Board at its meeting on October 25, 1999 and recorded under instrument #200000044803.

The bond or letter of credit from Travelers Casualty & Surety Co., number 068-103119637; dated November 1, 1998; in the amount of \$35,0007.00; was released December 26, 2000.

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

Sincerely,



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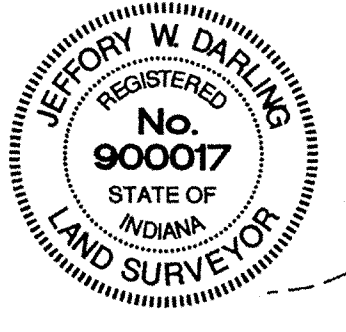
Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm



# RECORD DRAWING

*Jeffery W. Darling*  
 JEFFERY W. DARLING  
 Registered Land Surveyor  
 No. 900017  
 3/9/00  
 DATE



- 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) (UNLESS OTHERWISE NOTED)
- 35**  
**853.0**  
 ★ DENOTES PADS OF 2'-0" OF FILL OR MORE
- B.L.O.**  
 BASEMENT LOOK OUT  
 --- PROPOSED 6" UNDERDRAINS
- ASBUILT GRADE ELEV.
- 4" S.S.D. TO LOT  
 --- 6" S.S.D.

SCALE: 1" = 50'

**BENCHMARKS:**  
 USGS  
 BRASS TABLE MARKED 93RHP DATED 1951 SET IN 4'X4' CONC. POST @ S.W. CORNER INT. 146th & DITCH ROAD 16' S. OF 146th & 23' W. OF DITCH ROAD 6' S.W. OF PWP & 4' W. OF N.E. CORNER FENCE POST.  
 ELEV.=903.373

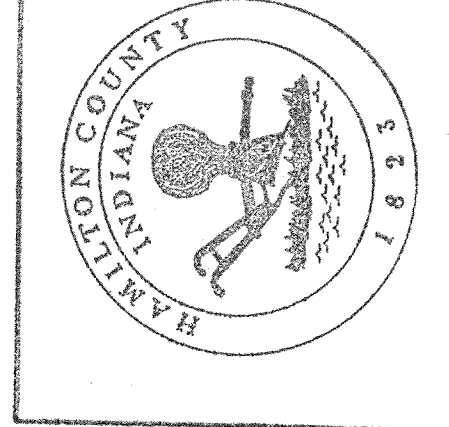
**TBM #1**  
 BOAT SPIKE IN PWP 2' UP ON NORTH SIDE 400' SOUTH OF N.W. CORNER OF OUR TRACT.  
 ELEV.=901.51

**TBM #2**  
 1049 W. 141st STREET. BOAT SPIKE IN PWP 2' UP ON N. SIDE.  
 ELEV.=891.06

**STORM TABLE**

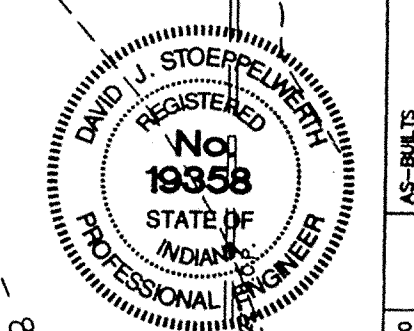
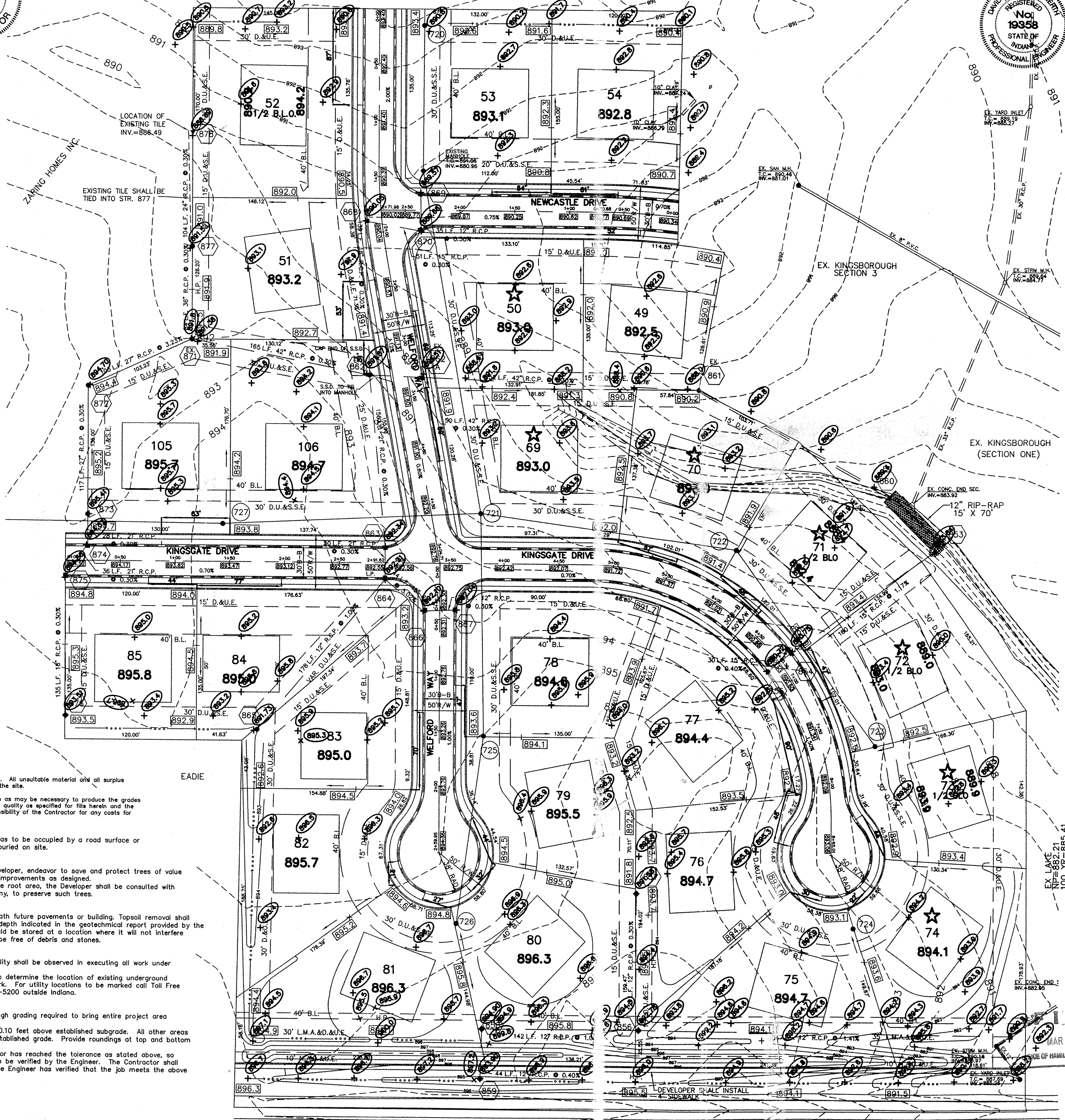
Str. No.	Type	Tc/Rim	Inverts	Dir.
853	CONC. END SEC.	883.96	883.96	(W)
854	DBL. CURB INLET	890.40	885.88	(E)(W)
855	CURB INLET	890.40	886.00	(N)
856	YARD INLET	893.00	889.97	(N)(E)(W)
856A	MANHOLE	891.60	885.07	(W)
857	YARD INLET	891.80	890.37	(S)
858	YARD INLET	895.10	891.39	(S)(E)
859	YARD INLET	894.10	891.78	(N)
862	MANHOLE	892.00	885.72	(N)(S)(E)(W)
862A	CURB INLET MANHOLE	891.49	885.57	(N)(S)
863	CURB INLET	892.45	888.19	(N)(S)
864	CURB INLET	892.45	888.28	(N)(S)(E)
865	YARD INLET	892.00	889.17	(N)
866	CURB INLET	892.20	888.41	(E)(W)
867	CURB INLET	892.20	888.50	(W)
868	CURB INLET	899.91	887.61	(S)(E)
869	CURB INLET	899.91	886.40	(S)(W)
870	CURB INLET	899.91	886.29	(N)
871	YARD INLET	891.50	886.21	(N)(W)(E)
872	YARD INLET	894.40	889.54	(S)(E)
873	MANHOLE INLET	895.10	889.90	(N)(S)
874	CURB INLET	894.38	889.98	(N)(S)
875	CURB INLET	894.42	890.09	(N)(S)
876	YARD INLET	893.50	890.50	(N)
877	YARD INLET	891.50	886.46	(N)(S)
878	CONC. END SEC.	886.77	886.77	(S)

This information was gathered for input into the Information System. This information is considered an official record of the GIS.  
 Entry Date: 02/14/02  
 Entered by: Suzanne L. Mills  
 JHM 1-7-04



- 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 fills 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 should 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 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

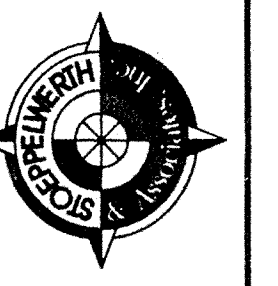


CERTIFIED: 1/6/97

*David J. Stapp*

DATE	BY	REVISIONS
1/6/97	DA	AS-BUILT
10/27/96	CB	ADD FILE CONNECTION
10/27/96	WAB	REV. STORM ALONG 14th STREET
7/8/99	WAB	REVISED FOR BDA
8/22/99	WAB	REV PER DOL & SURVEYOR COMMENTS
8/22/99	WAB	ADD STR. BDA
1/6/98	DA	DATE
1/6/98	DA	MARK

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

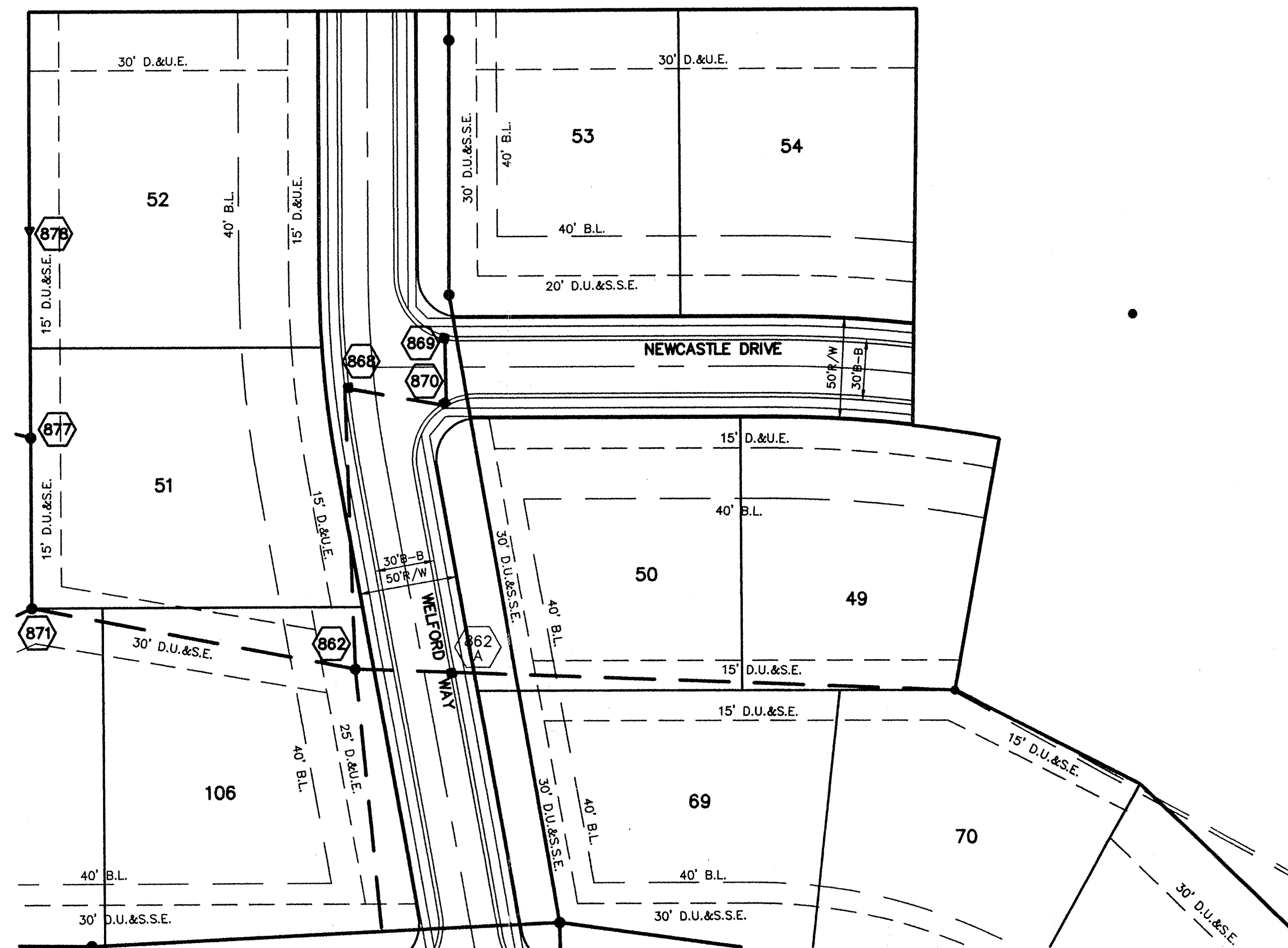


**FILED SITE DEVELOPMENT PLAN**  
**KINGSBOROUGH SECTION TWO**  
 INDIANA  
 CARMEL

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

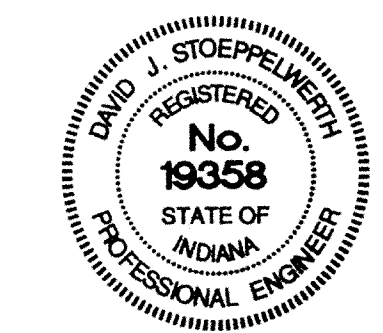
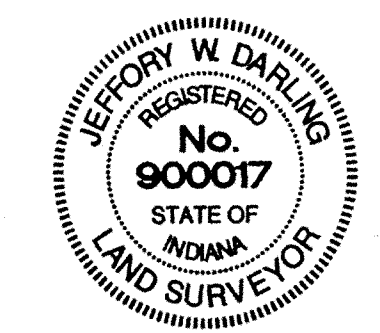
**CAUTION**  
 LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE, (including, but not limited to, manholes, inlets, valves, & marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES 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.





# RECORD DRAWING

JEFFORY W. DARLING  
 Registered Land Surveyor  
 No. 900017  
 DATE 3/7/00



CERTIFIED: 1/6/98

David J. Stoppelbech

DATE	MARK	REVISIONS
1/6/98		

## 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
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

\* 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

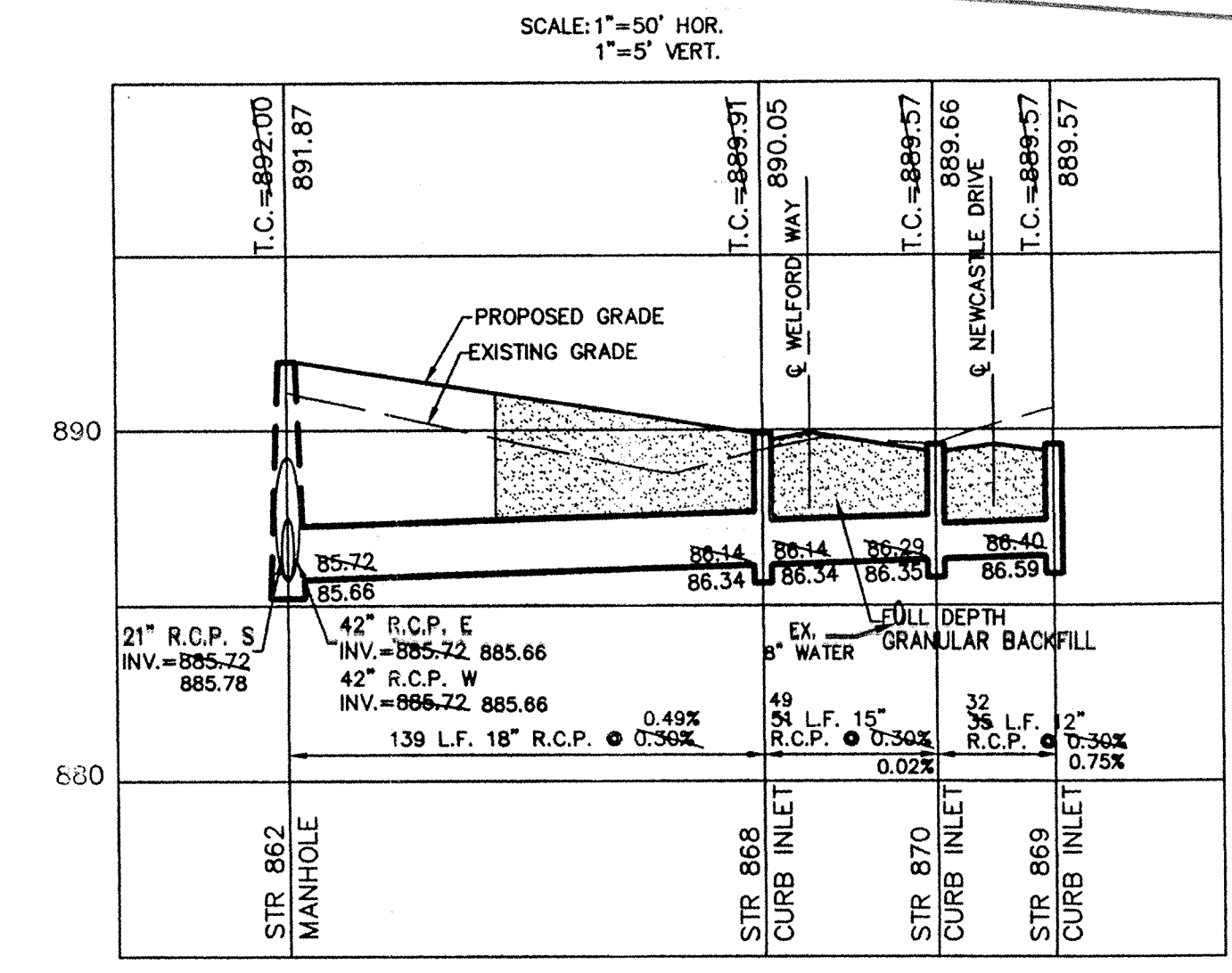
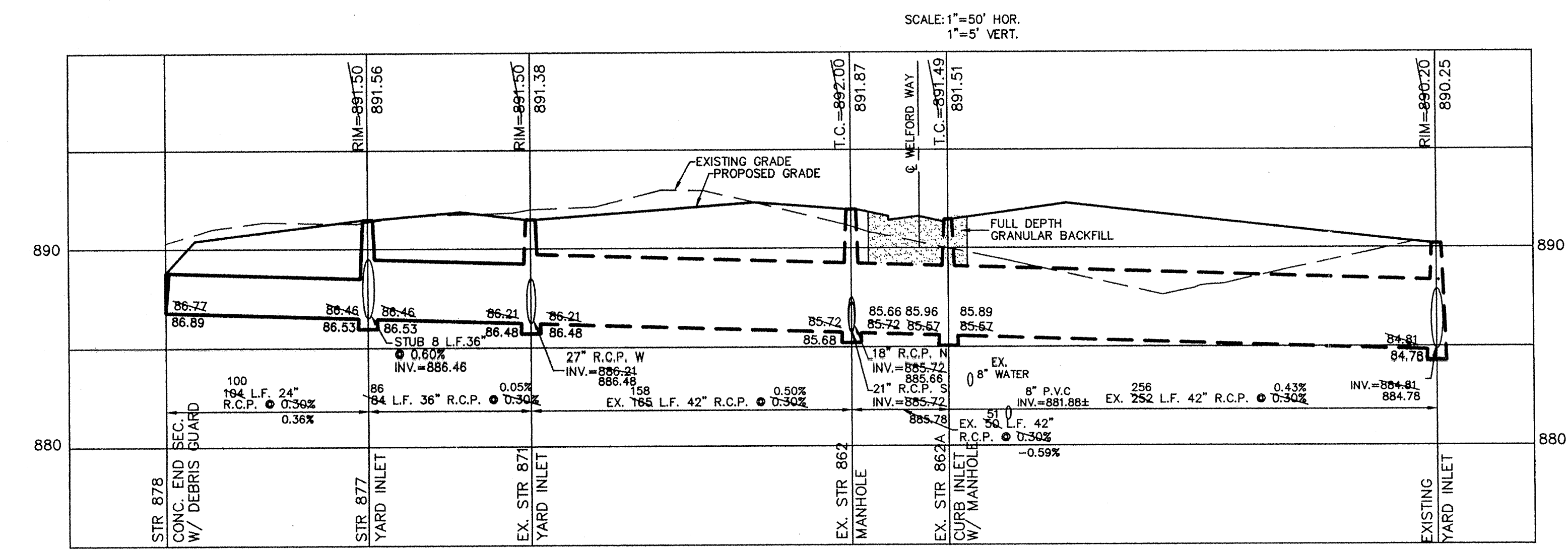
**SPECIAL NOTE:**  
 COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.

Entered By: [Signature]

Entry Date: 2-11-00

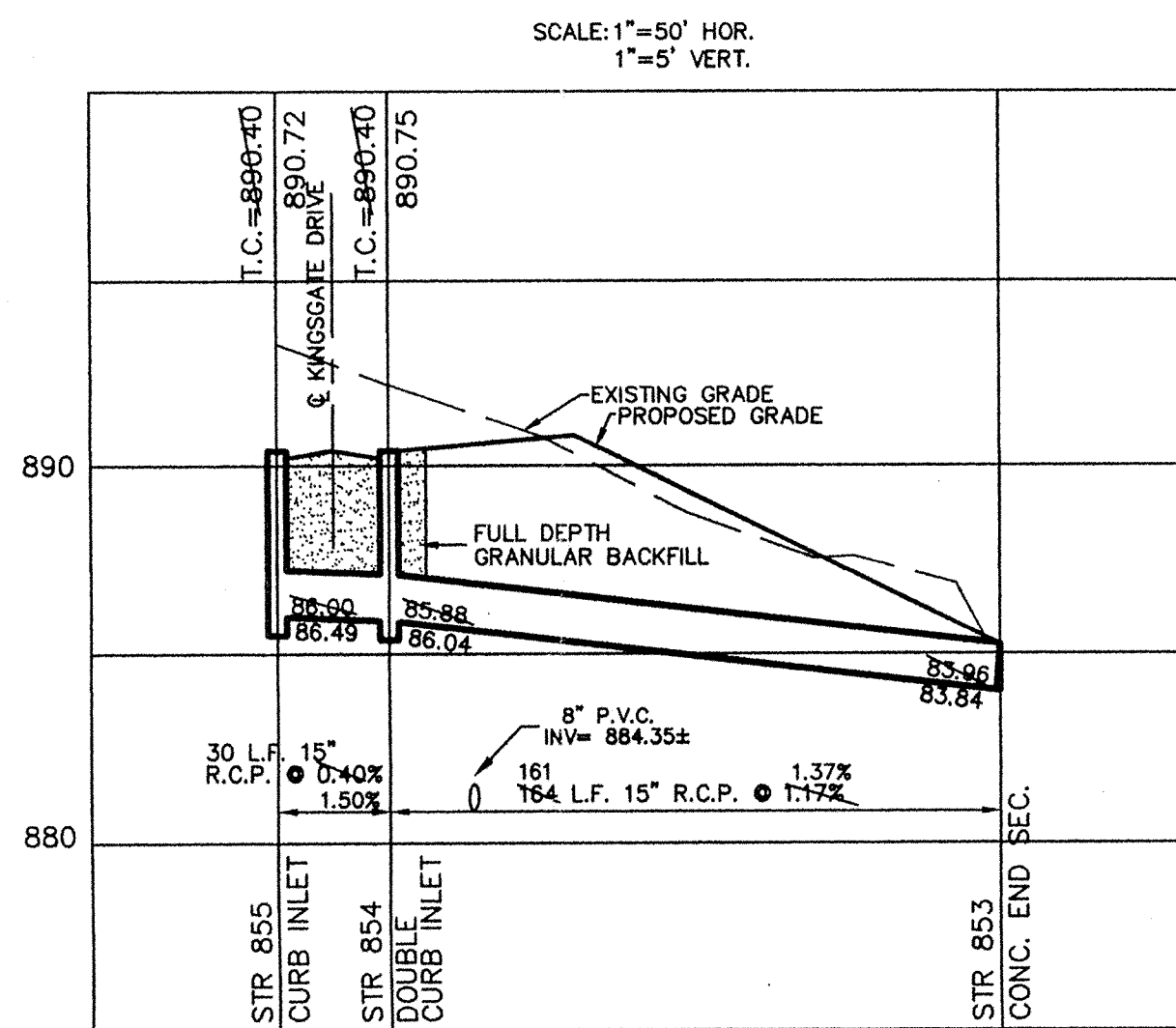
Information was gathered for input into the Hamilton County Geographical Information System (GIS). This information is provided for informational purposes only and is not intended to be used for any other purpose.

SCALE: 1" = 50'



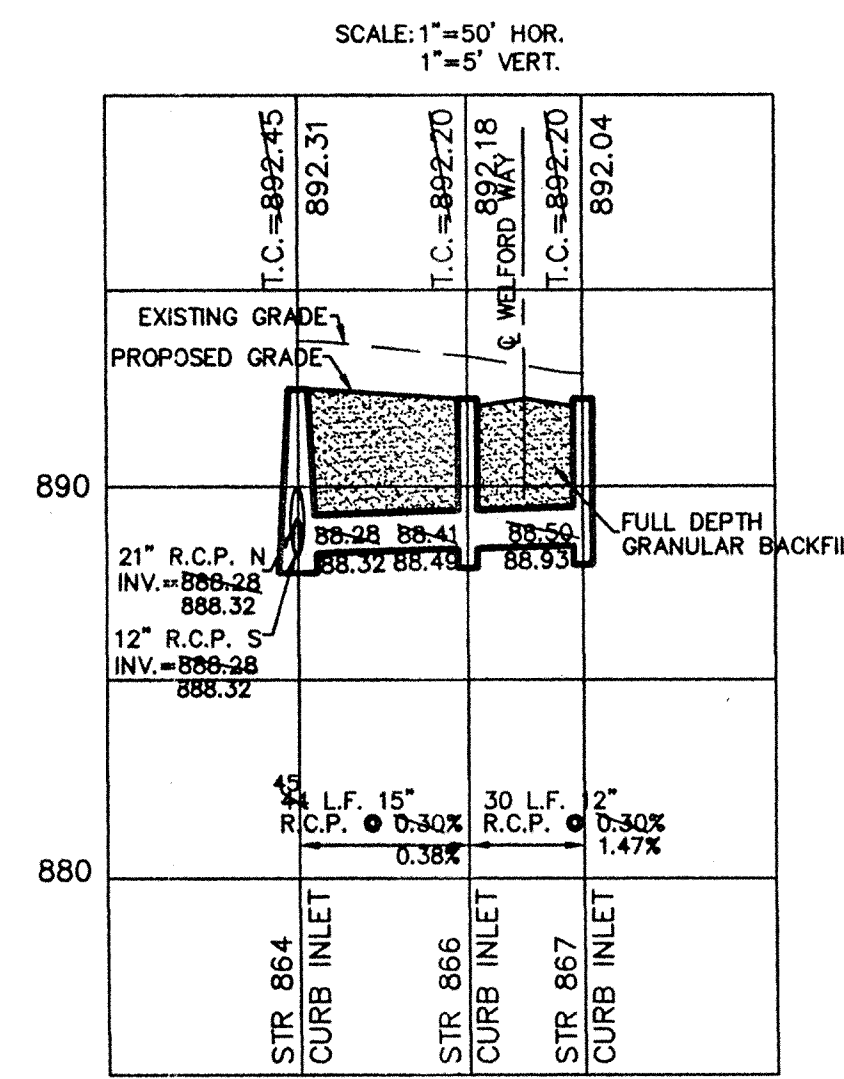
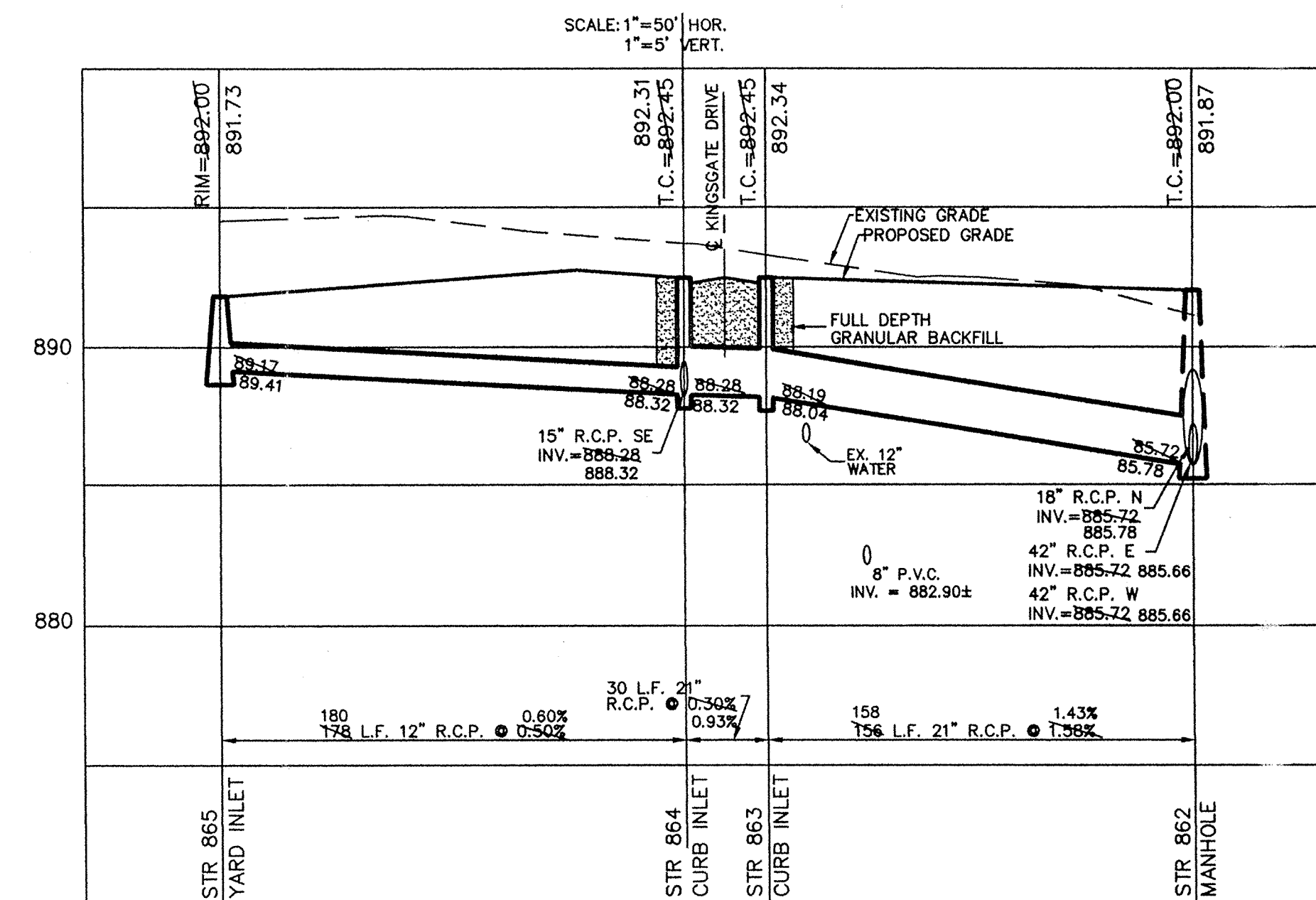
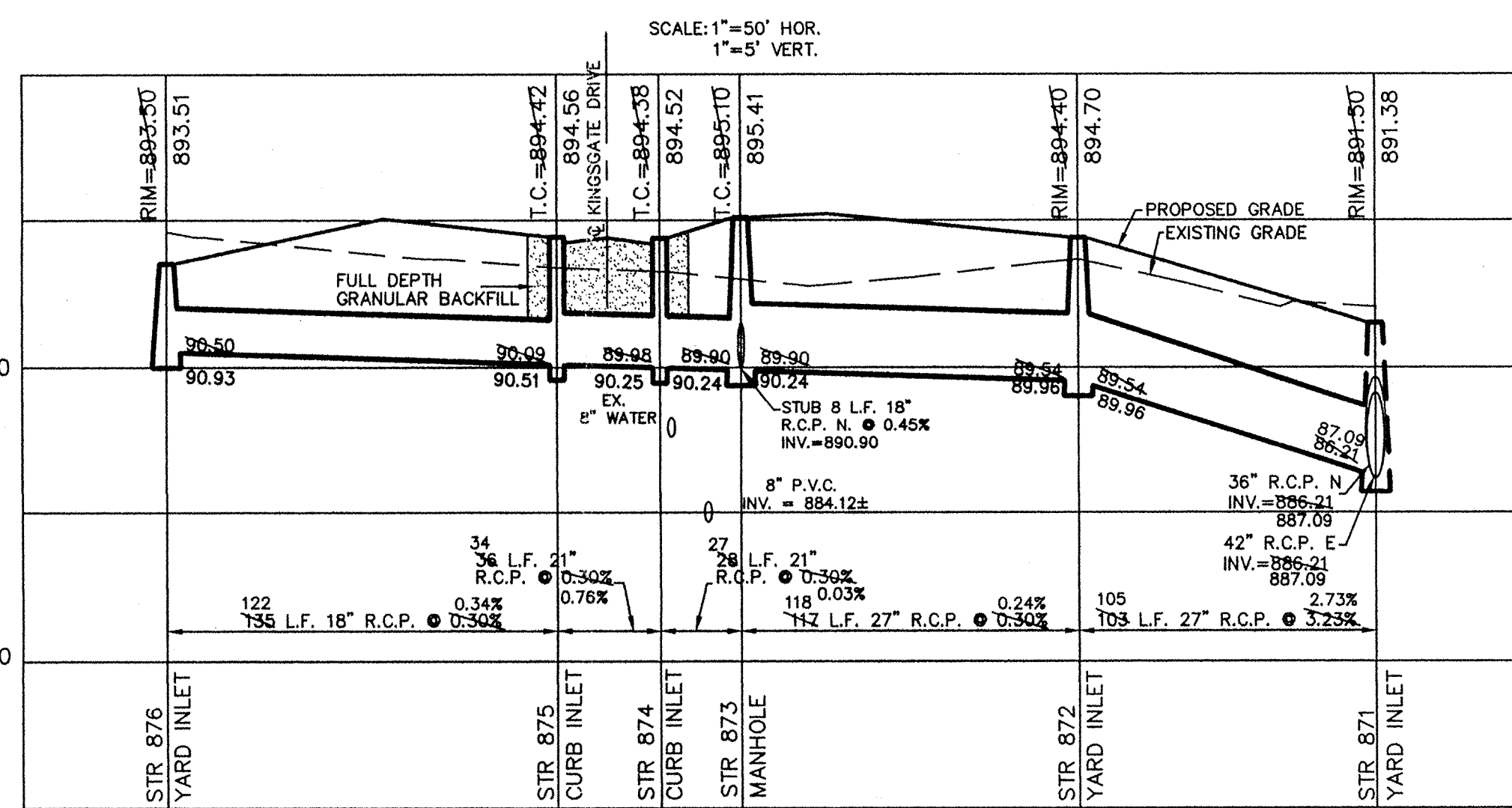
CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942  
 INDIANAPOLIS INDIANA

STORM SEWER PLAN & PROFILE  
 KINGSBOROUGH SECTION 2  
 CARMEL INDIANA



# RECORD DRAWING

JEFFORY W. DARLING  
Registered Land Surveyor  
No. 900017



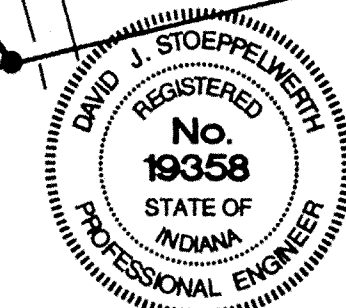
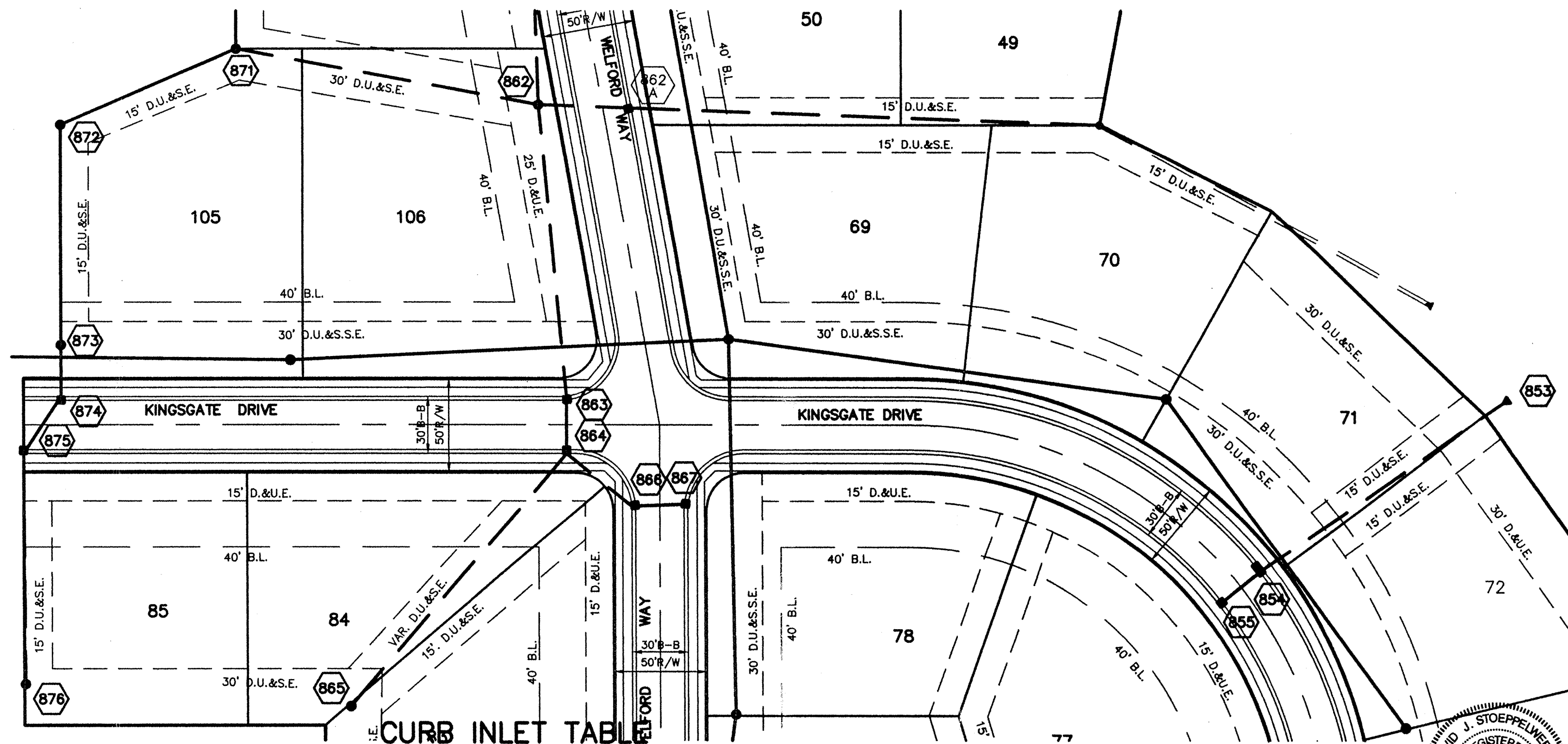
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INDIANA COUNTY  
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.  
Entry Date: 2-14-02  
Entered by: SLM/JOM 1-9-04

CONSULTING ENGINEERS - LAND SURVEYORS  
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INDIANAPOLIS INDIANA

STORM SEWER PLAN & PROFILE  
KINGSBOROUGH SECTION 2  
CARMEL INDIANA

DATE: 1/6/98  
BY: David J. Stapp  
DATE: 10/22/98  
SCALE: 1"=50'  
DATE: 6/22/98  
REVISIONS

FILED  
MAR 17 2000  
OFFICE OF HAMILTON COUNTY SUPERVISOR  
SHEET NO. 14  
OF 19 SHEETS  
JOB NO. 212258



