

**Drain:** KINGSBOROUGH DRAIN **Drain #:** 297  
**Improvement/Arm:** KINGSBOROUGH - SECTION 3  
**Operator:** SLM/JDH **Date:** 1-9-04  
**Drain Classification:** Urban/Rural **Year Installed:** 1998

### GIS Drain Input Checklist

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

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

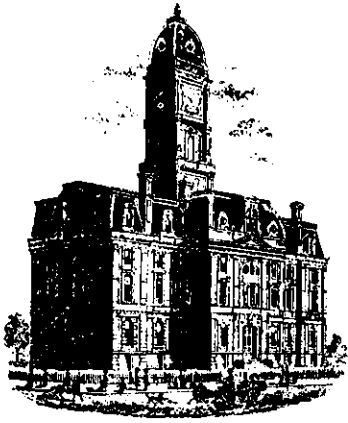
Drain-Improvement: KINGSBOROUGH DRAIN - KINGSBOROUGH - SECTION 3

Drain Type:	Size:	Length <small>SURVEYORS REPORT</small> ( )	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	4181'	4181'	✓		
RCP	12"	435'	435'	✓		
	15"	446'	446'	✓		
	18"	689'	689'	✓		
	27"	327'	327'	✓		
	42"	220'	220'	✓		
	48"	21'	21'	✓		

Sum: 6319'    6319'    ✓

Final Report: \_\_\_\_\_

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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 15, 1998

RE: Kingsborough Drain, Section 3 arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 3 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	4154 ft	27" RCP	300 ft
12" RCP	440 ft	42" RCP	224 ft
15" RCP	448 ft	48" RCP	24 ft
18" RCP	690 ft		

The total length of the drain will be 6280 feet.

Not included with the above length is a portion of 33" RCP storm sewer installed as part of Section 1. This storm sewer is under Newcastle Drive and will now consist of 77' of 24"x38" ERCP.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. 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. The portion of the SSD which will be regulated other than those under curbs are as follows:  
Rear of Lot 58.

I reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend that 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 section will be \$844.50.

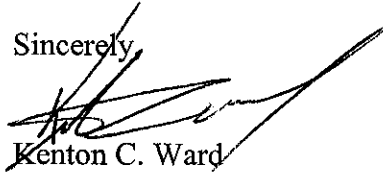
Parcels assessed for this drain may be assessed for the Collins-Osborn or Williams Creek Drain at sometime in the future.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 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 Kingsborough, 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

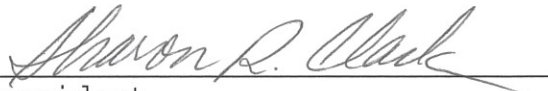
FINDINGS AND ORDER


CONCERNING THE MAINTENANCE OF THE  
*Kingsborough Drain, Section 3*

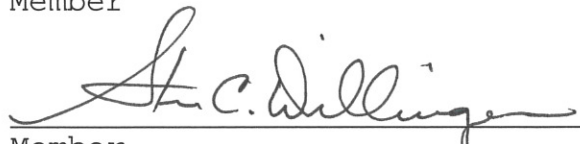
On this *23rd day of November, 1998*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Kingsborough Drain, Section 3*.

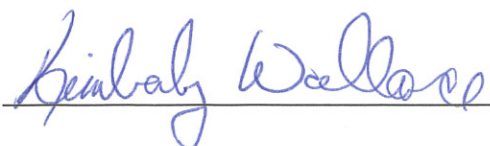
Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund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

HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest:   
\_\_\_\_\_

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF THE  
Kingsborough DRAIN  
Section 3

NOTICE

To Whom It May Concern and: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the Kingsborough Drain, On November 23, 1998, at 9:15 A.M. in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Kimberly Wallace

ONE TIME ONLY

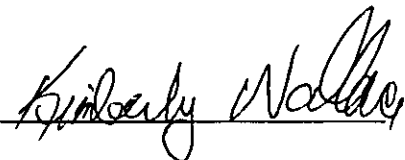
BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF THE  
***Kingsborough Drain, Section 3***

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest:

  
\_\_\_\_\_

ONE TIME ONLY

PNC Bank, National Association  
International Division  
201 East Fifth Street  
Cincinnati, Ohio 45202-4117

TELEX: 214187  
SWIFT: PNCCUS3C  
FAX: 513-651-7182  
PNCOHIO

\* Released 12-27-99

**FILED**

SEP 07 1998

OFFICE OF HAMILTON COUNTY SURVEYOR



Date: **AUGUST 5, 1998**

**PNCBANK**

**Irrevocable Letter of Credit # 41S-5545**

Advised Through:

**BENEFICIARY: HAMILTON CO. BOARD OF COMMISSIONS, IN  
ONE HAMILTON CO. SQUARE  
NOBLESVILLE, IN 46060**

BY ORDER OF OUR CUSTOMER, ZARING HOMES, INC., 11300 CORNELL PARK DR., SUITE 500, CINCINNATI OHIO 45242, WE HEREBY ESTABLISH IN YOUR FAVOR OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. 41S-5545 FOR AN AMOUNT NOT TO EXCEED USD114,085.00 (ONE HUNDRED FOURTEEN THOUSAND, EIGHTY-FIVE AND AND 00/100 UNITED STATES DOLLARS) AVAILABLE BY YOUR SIGHT DRAFT(S) ON US, WHICH SHOULD MAKE REFERENCE TO THIS LETTER OF CREDIT BY NUMBER, WHEN ACCOMPANIED BY:

1. YOUR SIGNED STATEMENT TO READ AS FOLLOWS:

"I, (NAME, TITLE), AN AUTHORIZED REPRESENTATIVE OF HAMILTON CO. BOARD OF COMMISSIONS, IN., DO HEREBY CERTIFY THAT THE AMOUNT OF THE ACCOMPANYING DRAFT IS DUE AND PAYABLE BECAUSE ZARING HOMES, INC. HAS FAILED TO CONSTRUCT THE SUBSURFACE DRAINAGE, STORM SEWERS, AND EROSION CONTROL FOR KINGSBOROUGH, SECTION 3, AS REQUIRED BY HAMILTON CO., IN."

2. THE ORIGINAL OF THIS LETTER OF CREDIT.

THIS LETTER OF CREDIT WILL EXPIRE AT OUR COUNTERS ON AUGUST 7, 1999.

IT IS A SPECIAL CONDITION OF THIS LETTER OF CREDIT THAT IT SHALL BE DEEMED AUTOMATICALLY RENEWED ANNUALLY FOR ONE YEAR FROM THE THEN EFFECTIVE EXPIRATION DATE UNLESS AT LEAST FORTY-FIVE (45) DAYS BEFORE ANY SUCH EXPIRATION DATE WE SHALL NOTIFY YOU BY REGISTERED MAIL, CERTIFIED MAIL OR OVERNIGHT COURIER AT THE ADDRESS GIVEN ABOVE THAT WE WILL NOT RENEW THIS LETTER OF CREDIT. YOU MAY DRAW ON THIS IRREVOCABLE LETTER OF CREDIT, ACCORDING TO THE TERMS SPECIFIED HEREIN, PRIOR TO THE EXPIRATION DATE IMMEDIATELY FOLLOWING SUCH NOTIFICATION.

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

Very Truly Yours,  
PNC Bank, National Association

\_\_\_\_\_  
Authorized Signature

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RELEASED 12-27-99

DATE \_\_\_\_\_



PNC Bank, National Association  
International Division  
201 East Fifth Street  
Cincinnati, Ohio 45202-4117

TELEX: 214187  
SWIFT: PNCCUS3C  
FAX: 513-651-7182  
PNCOHIO

**FILED**

SEP 01 1998

OFFICE OF HAMILTON COUNTY SURVEYOR

Date: **AUGUST 5, 1998**

**Irrevocable Letter of Credit # 418-5545**

Advised Through:

**PNCBANK**

**THIS IS AN INTEGRAL PART OF THE LETTER OF CREDIT**

**ALL DOCUMENTS PRESENTED TO US IN CONNECTION WITH ANY DEMAND FOR PAYMENT HEREUNDER, AS WELL AS ALL NOTICES AND OTHER COMMUNICATIONS TO US IN RESPECT OF THIS LETTER OF CREDIT, SHOULD BE IN WRITING AND ADDRESSED AND PRESENTED TO US AT 201 EAST FIFTH STREET, CINCINNATI, OHIO 45202-4117, ATTENTION: INTERNATIONAL DEPARTMENT-OPERATIONS MANAGER, AND SHOULD MAKE SPECIFIC REFERENCE TO THIS LETTER OF CREDIT NUMBER.**

**THIS LETTER OF CREDIT SETS FORTH IN FULL OUR UNDERTAKING, AND SUCH UNDERTAKING WILL NOT IN ANY WAY BE MODIFIED, AMENDED, AMPLIFIED OR LIMITED BY REFERENCE TO ANY DOCUMENT, INSTRUMENT OR AGREEMENT REFERRED TO HEREIN; AND ANY SUCH REFERENCE WILL NOT BE DEEMED TO INCORPORATE HEREIN BY REFERENCE ANY DOCUMENT, INSTRUMENT OR AGREEMENT EXCEPT AS SET FORTH BELOW.**

**WE HEREBY AGREE WITH THE DRAWERS, ENDORSERS AND BONA FIDE HOLDERS OF DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT, THAT SUCH DRAFTS DRAWN WILL BE DULY HONORED UPON PRESENTATION TO THE DRAWEE ON OR BEFORE THE EXPIRATION DATE.**

**ALL BANKING CHARGES OTHER THAN THOSE OF PNC BANK, OHIO, NATIONAL ASSOCIATION ARE FOR BENEFICIARY'S ACCOUNT.**

**THIS LETTER OF CREDIT IS SUBJECT TO THE UNIFORM CUSTOMS AND PRACTICE FOR DOCUMENTARY CREDITS (1993 REVISION), INTERNATIONAL CHAMBER OF COMMERCE PUBLICATION NO. 500 ("UNIFORM CUSTOMS"). TO THE EXTENT THAT SUCH LAWS ARE NOT IN CONFLICT WITH THE UNIFORM CUSTOMS, THIS LETTER OF CREDIT WILL BE GOVERNED BY THE LAWS OF THE STATE OF OHIO, INCLUDING WITHOUT LIMITATION THE UNIFORM COMMERCIAL CODE AS IN EFFECT IN SUCH STATE.**

Very Truly Yours,  
PNC Bank, National Association



Authorized Signature

FILED

DEC 11 1998

OFFICE OF HAMILTON COUNTY SURVEYOR

KINGSBOROUGH, SECTION 3  
CERTIFICATE OF COMPLETION AND COMPLIANCE  
STORM SEWER

Address of premises on which land alteration was accomplished 141<sup>ST</sup> Street & Ditch Road

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

Relative to plans prepared by: Stooppelwerth & Associates, Inc.  
on January 9, 1998.

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 STR 851 was to be a casting 4343 a 4243 was installed

Signature Jeffery W. Darling Date: 12/10/1998

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

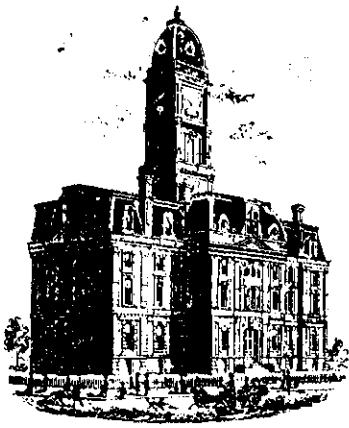
Business Address: 9940 Allisonville Road, Fishers, IN 46038

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

(SEAL)



FORMS/COMP&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**

**February 11, 2002**

**Re: Kingsborough Drain: Sec. 3 Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Kingsborough 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 15, 1998. The changes are as follows:

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

	844	889.93				
	843	889.8		15	134	
	843	889.8				
	840	889.37		15	85	86
	840	889.37				
EX. Yard Inlet		889.13		18	147	149
	842	888.91				
	841	888.78		12	30	
	841	888.78				
Ex. Manhole		889.64		15	164	
	861	890.22				
	860	889.01		42	220	224
	860	889.01				
860C				48	21	24
	851	890.96				
	850	891.59		27	134	
	850	891.59				
	849	891.56		27	30	
	849	891.56				
	846	892.36		27	41	

846	892.36					
847	892.4		18	151		
847	892.4					
848	892.38		15	33	34	-1
846	892.36					
EX. Yard Inlet	892.5		27	122	123	-1
EX. Yard Inlet	892.5					
852	892.68		18	315	314	1
852	892.68					
852A	893.78		12	250		
Ex. Manhole	893.73					
821	893.61		18	76		
821	893.61					
822	893.78		15	30		
822	893.78					
823	891.4		12	155	160	-5

**6" SSD Streets:**

KIRKLEES	915.5
WICKSWORTH WAY	815
NEW CASTLE DR	300
X2	2030.5

**Total:** 4061

**6" SSD Lots:**

58	120

**Total:** 120

**RCP Pipe Totals:**

12	435
15	446
18	689
27	327
42	220
48	21

**Total:** 2138

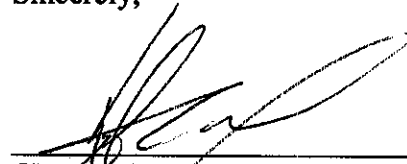
The length of the drain due to the changes described above is now <sup>6319'</sup>~~6,199~~ feet.

The non-enforcement was approved by the Board at its meeting on November 23, 1998 and recorded under instrument #9909924007.

The bond or letter of credit from PNC Bank, NA; number S903721OHO; dated August 5, 1998; in the amount of 114,085; was released January 10, 2000.

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

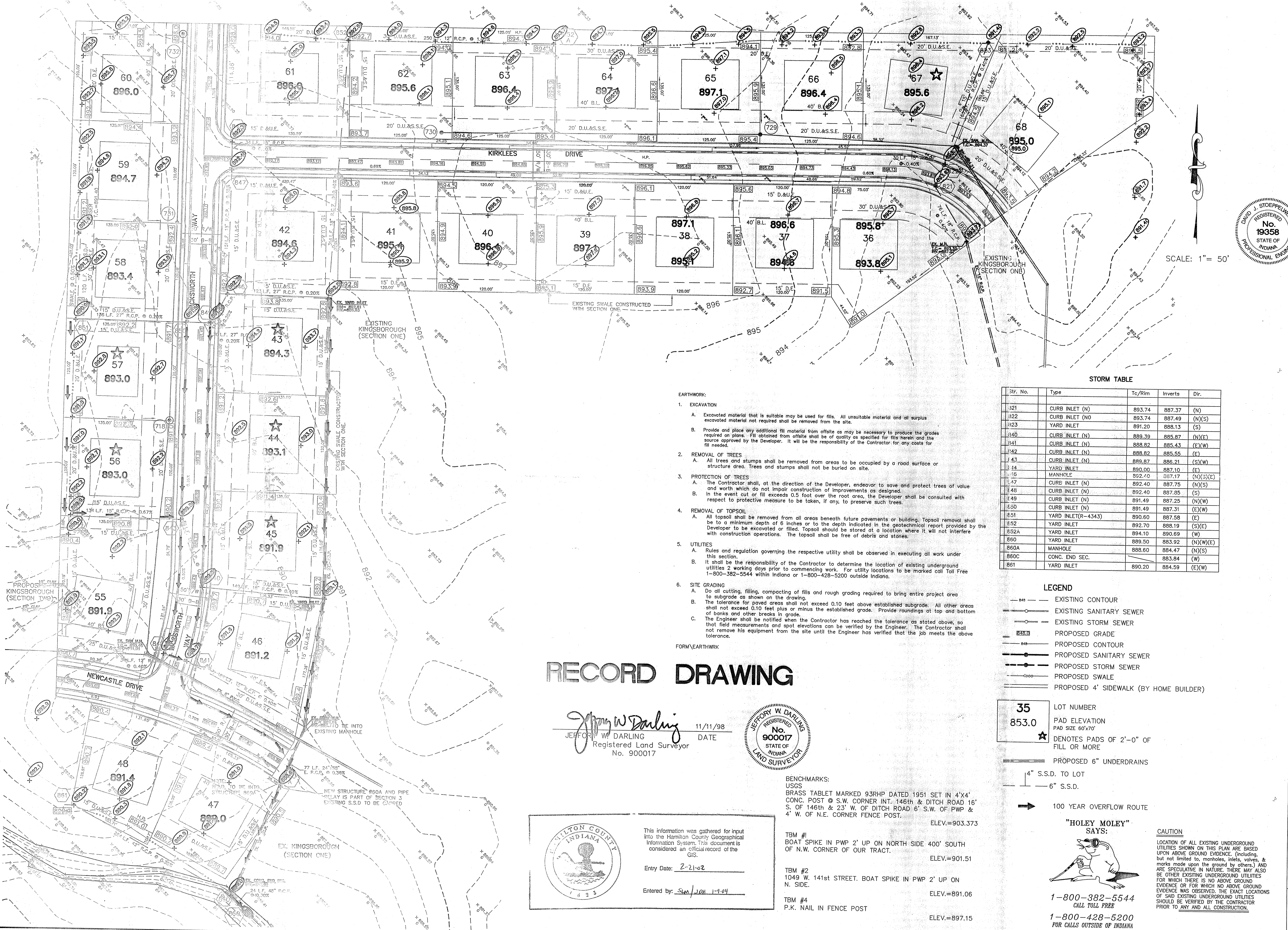
Sincerely,

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

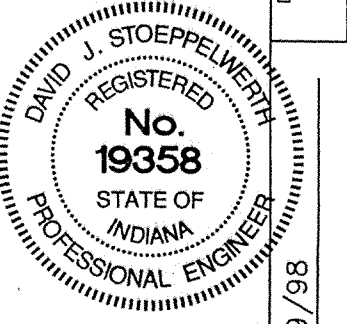
Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm





SCALE: 1" = 50'



CERTIFIED: 1/9/98  
 DWG. BY: [Signature]  
 CDR: [Signature]  
 DATE: 1/9/98

- 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 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.

**STORM TABLE**

Str. No.	Type	Tc/Rim	Inverts	Dir.
321	CURB INLET (N)	893.74	887.37	(N)
322	CURB INLET (NO)	893.74	887.49	(N)(S)
323	YARD INLET	891.20	888.13	(S)
340	CURB INLET (N)	889.39	885.87	(N)(E)
341	CURB INLET (N)	888.82	885.43	(E)(W)
342	CURB INLET (N)	888.82	885.55	(E)
343	CURB INLET (N)	889.87	886.21	(S)(W)
344	YARD INLET	890.00	887.10	(E)
345	MANHOLE	892.10	887.10	(N)(S)(E)
347	CURB INLET (N)	892.40	887.75	(N)(S)
348	CURB INLET (N)	892.40	887.85	(S)
349	CURB INLET (N)	891.49	887.25	(N)(W)
350	CURB INLET (N)	891.49	887.31	(E)(W)
351	YARD INLET(R-4343)	890.60	887.58	(E)
352	YARD INLET	892.70	888.19	(S)(E)
352A	YARD INLET	894.10	890.69	(W)
360	YARD INLET	889.50	883.92	(N)(W)(E)
360A	MANHOLE	888.60	884.47	(N)(S)
360C	CONC. END SEC.		883.94	(W)
361	YARD INLET	890.20	884.59	(E)(W)

- LEGEND**
- 889 — EXISTING CONTOUR
  - EXISTING SANITARY SEWER
  - EXISTING STORM SEWER
  - 883.0 — PROPOSED GRADE
  - PROPOSED CONTOUR
  - PROPOSED SANITARY SEWER
  - PROPOSED STORM SEWER
  - PROPOSED SWALE
  - PROPOSED 4' SIDEWALK (BY HOME BUILDER)
  - 35 — LOT NUMBER
  - 853.0 — PAD ELEVATION
  - ★ — DENOTES PADS OF 2'-0" OF FILL OR MORE
  - PROPOSED 6" UNDERDRAINS
  - 4" S.S.D. TO LOT
  - 6" S.S.D.
  - ➔ — 100 YEAR OVERFLOW ROUTE

**"HOLEY MOLEY" SAYS:**

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.

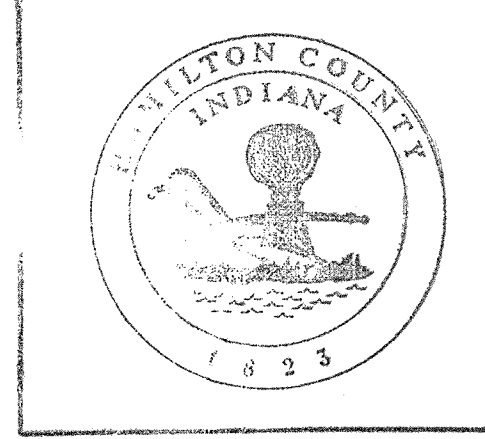
1-800-382-5544  
 CALL TOLL FREE  
 1-800-428-5200  
 FOR CALLS OUTSIDE OF INDIANA

# RECORD DRAWING

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



11/11/98  
 DATE



This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

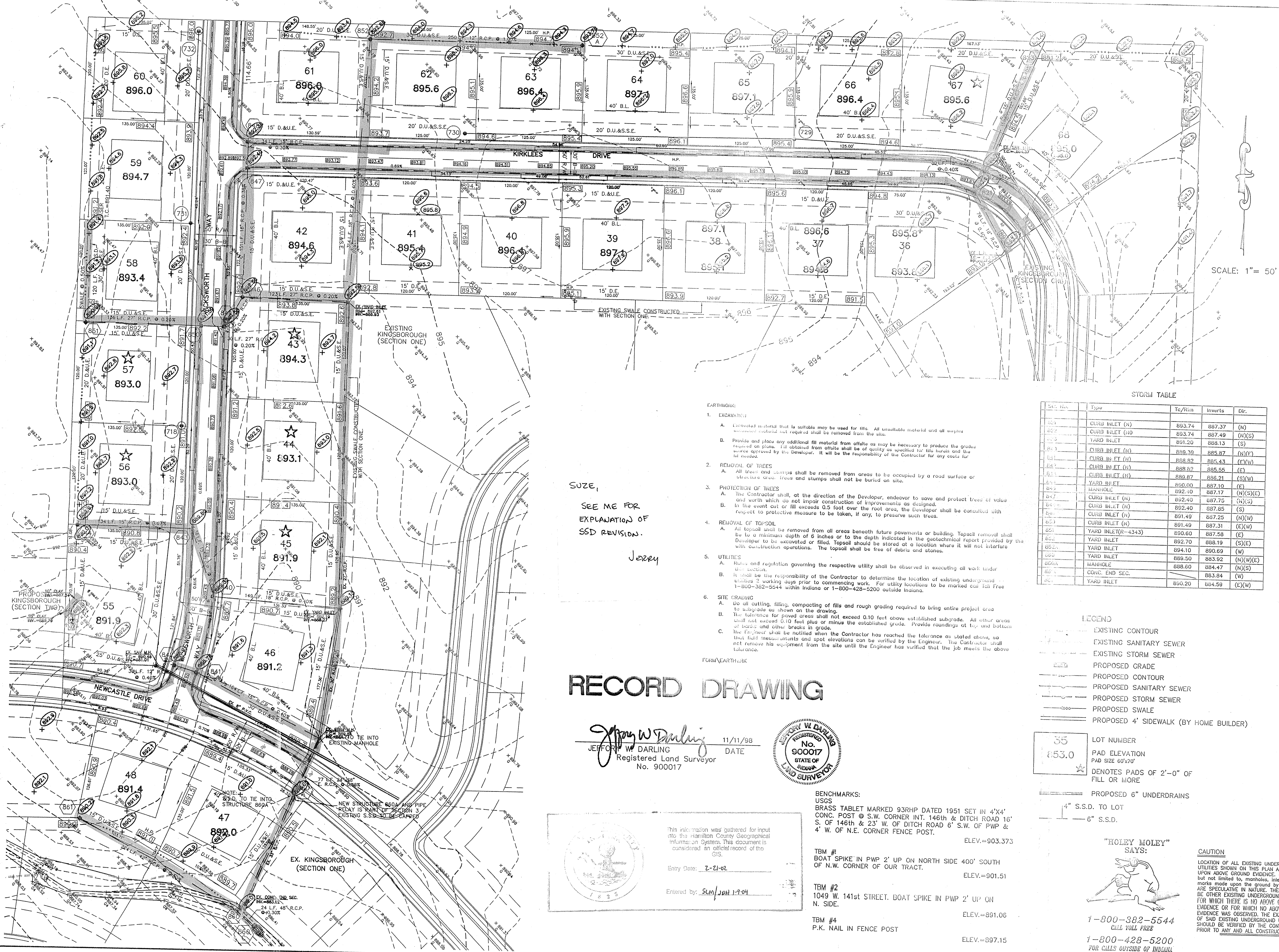
Entry Date: 2-21-02  
 Entered by: [Signature] 1-9-04

- BENCHMARKS:**  
 USGS  
 BRASS TABLET 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
- TBM #4**  
 P.K. NAIL IN FENCE POST ELEV.=897.15

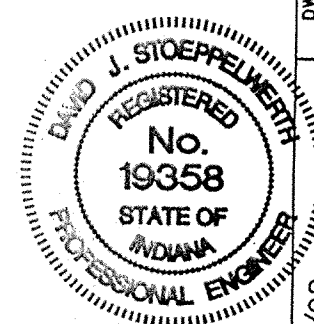
CONSULTING ENGINEERS — LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942  
 INDIANAPOLIS INDIANA

SITE DEVELOPMENT PLAN  
 KINGSBOROUGH SECTION THREE  
 CARMEL INDIANA





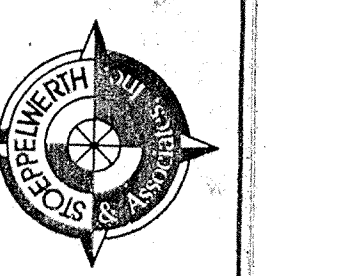
SCALE: 1" = 50'



DATE	BY	REVISIONS
1/9/98 <td>DAVID J. STAPP <td>DATE</td> </td>	DAVID J. STAPP <td>DATE</td>	DATE
6/9/98 <td>DAVID J. STAPP <td>DATE</td> </td>	DAVID J. STAPP <td>DATE</td>	DATE
6/20/98 <td>DAVID J. STAPP <td>DATE</td> </td>	DAVID J. STAPP <td>DATE</td>	DATE
8/17/98 <td>DAVID J. STAPP <td>DATE</td> </td>	DAVID J. STAPP <td>DATE</td>	DATE
9/22/98 <td>DAVID J. STAPP <td>DATE</td> </td>	DAVID J. STAPP <td>DATE</td>	DATE

CERTIFIED: 1/9/98  
 David J. Stapp  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 19358  
 STATE OF INDIANA

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



SITE DEVELOPMENT PLAN  
 KINGSBOROUGH SECTION THREE  
 CARMEL, INDIANA

SHEET NO. 3  
 OF 17 SHEETS  
 JOB NO. 212258

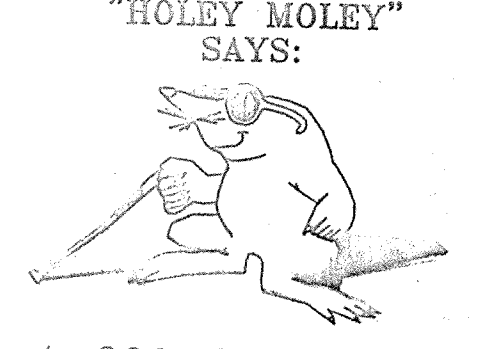
SEE ME FOR EXPLANATION OF SSD REVISION.  
 Jerry

- 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 fill must be 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 8 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 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

**STORM TABLE**

Sta. No.	Type	Tc/Rain	Inverts	Dir.
893.74	CURB INLET (N)	893.74	887.37	(N)
893.74	CURB INLET (HD)	893.74	887.49	(N)(S)
891.20	YARD INLET	891.20	888.13	(S)
889.39	CURB INLET (N)	889.39	885.87	(N)(E)
888.82	CURB INLET (N)	888.82	885.43	(E)(W)
888.82	CURB INLET (N)	888.82	885.55	(E)
889.87	CURB INLET (N)	889.87	886.21	(S)(W)
890.00	YARD INLET	890.00	887.10	(E)
892.10	MANHOLE	892.10	887.17	(N)(S)(E)
892.40	CURB INLET (N)	892.40	887.75	(N)(S)
892.40	CURB INLET (N)	892.40	887.85	(S)
891.49	CURB INLET (N)	891.49	887.25	(N)(W)
891.49	CURB INLET (N)	891.49	887.31	(E)(W)
890.60	YARD INLET (R-43+3)	890.60	887.58	(E)
892.70	YARD INLET	892.70	888.19	(S)(E)
894.10	YARD INLET	894.10	890.69	(W)
889.50	YARD INLET	889.50	883.92	(N)(W)(E)
888.60	MANHOLE	888.60	884.47	(N)(S)
883.84	CONC. END SEC.	883.84	883.84	(W)
890.20	YARD INLET	890.20	884.59	(E)(W)

- 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)
- 35 LOT NUMBER  
 853.0 PAD ELEVATION  
 PAD SIZE 60'x70'  
 DENOTES PADS OF 2'-0" OF FILL OR MORE
- PROPOSED 6" UNDERDRAINS  
 4" S.S.D. TO LOT  
 6" S.S.D.



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

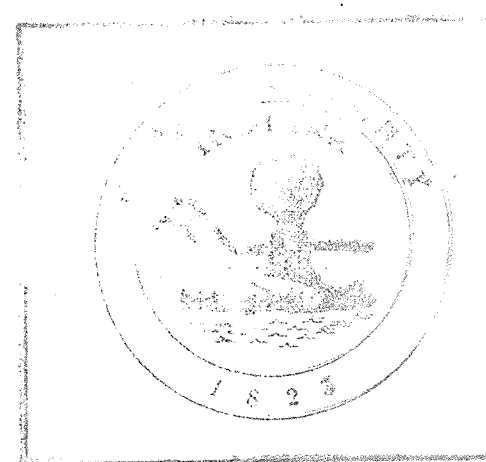
**CAUTION**  
 LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE, (including, but not limited to, manholes, inlets, valves, & marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES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

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



11/11/98  
 DATE



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: 2-21-02

Entered by: SUM/JAN 17-04

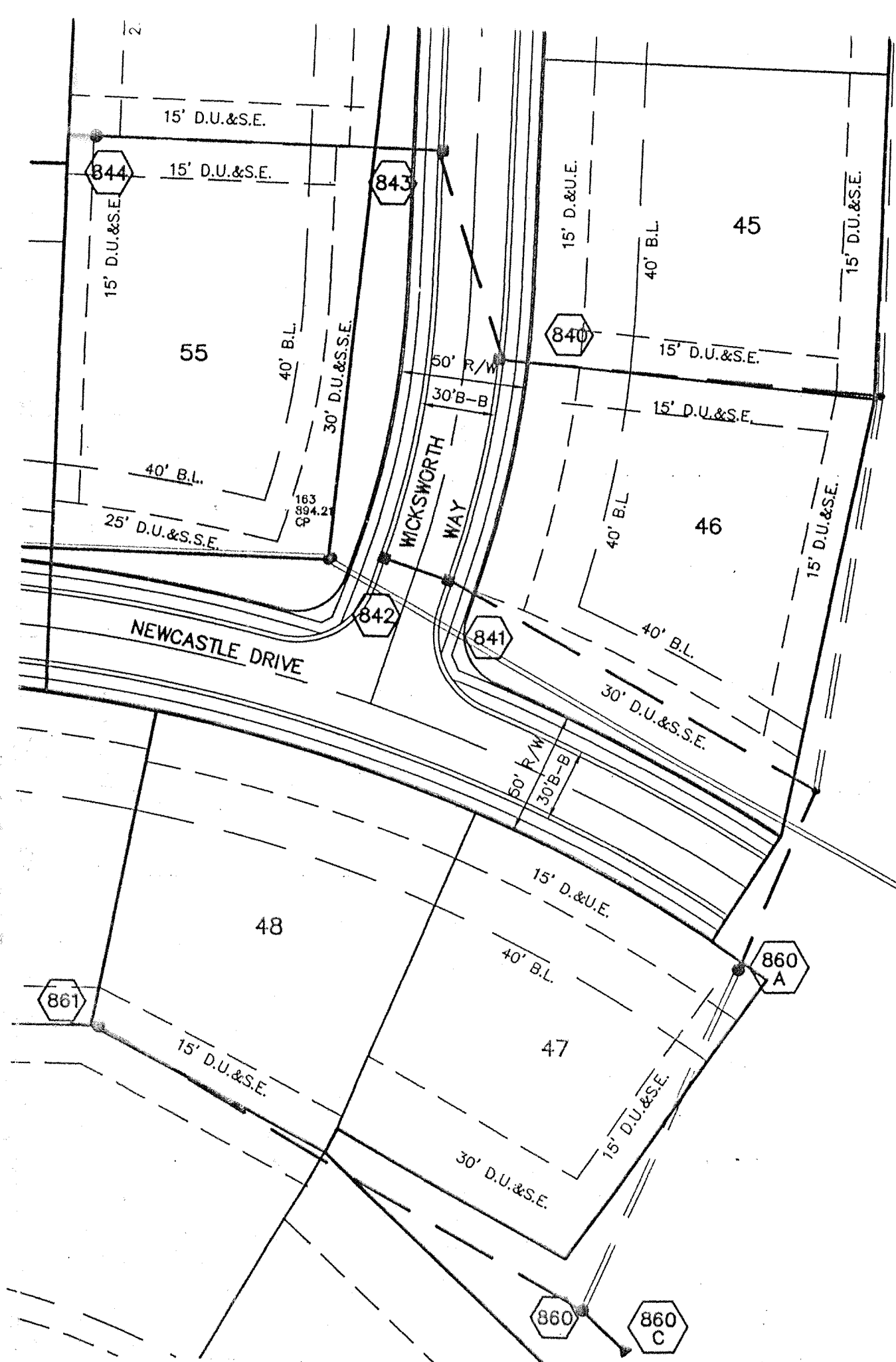
**BENCHMARKS:**  
 USGS BRASS TABLET MARKED 33RHP DATED 1951 SET IN 4'x4' CONC. POST @ S.W. CORNER INT. 146th & DITCH ROAD 16' S. OF 146th & 23' W. OF DITCH ROAD 6' S.W. OF PWP & 4' W. OF N.E. CORNER FENCE POST.  
 ELEV.=903.373

**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

**TBM #4**  
 P.K. NAIL IN FENCE POST  
 ELEV.=897.15





### CURB INLET TABLE

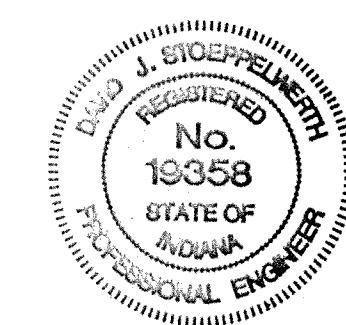
PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	2'x2'		DESIGN APPROVAL	No	Yes	Yes
18" or 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	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 16" 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 12" FROM T/C TO INVERT WILL BE A MH OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.

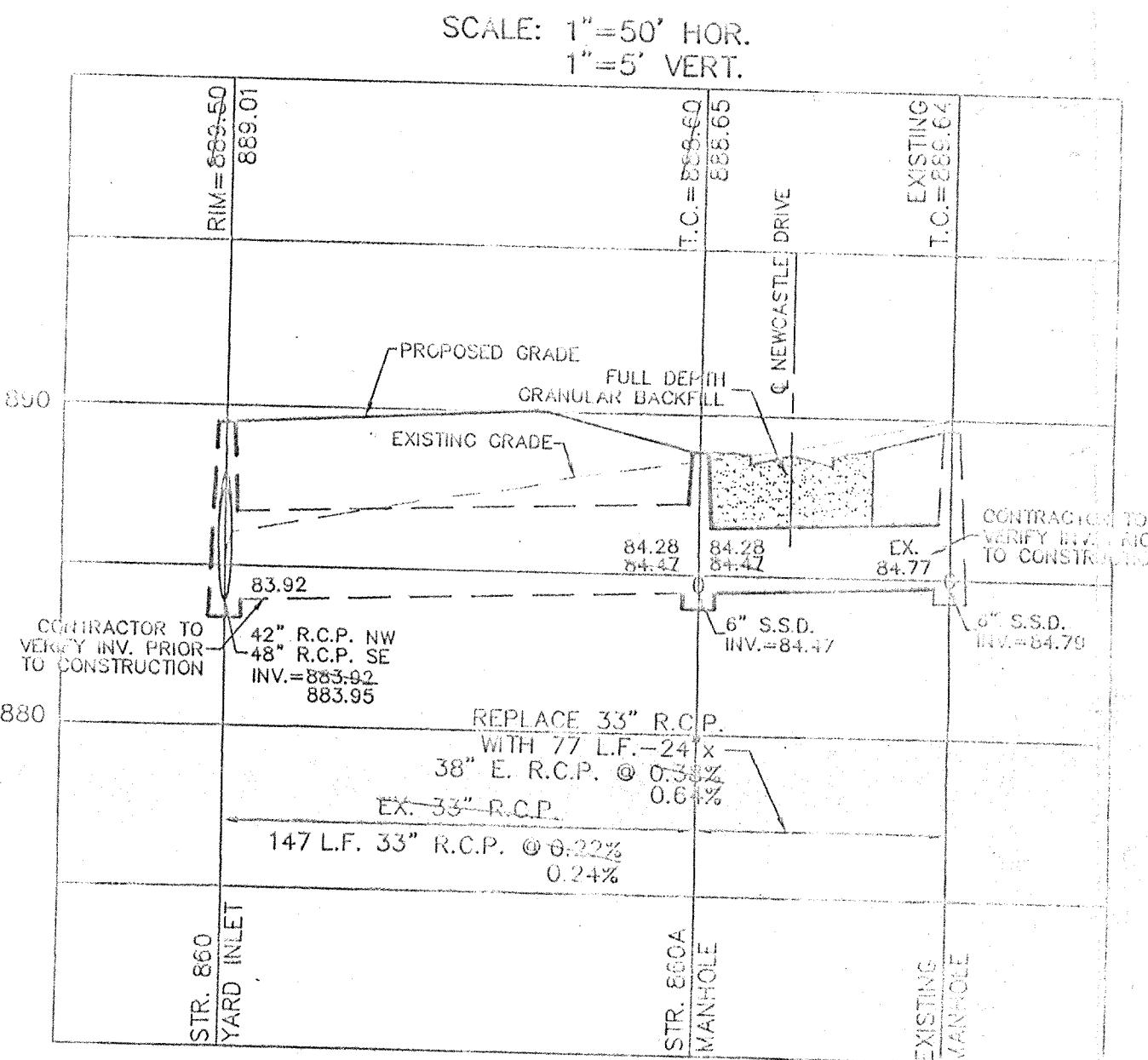
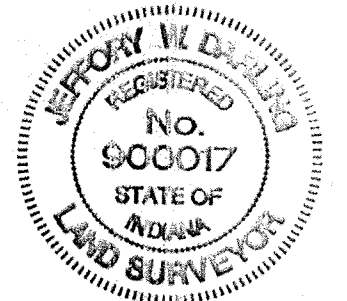
SPECIAL NOTE:  
 STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES

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



## RECORD DRAWING

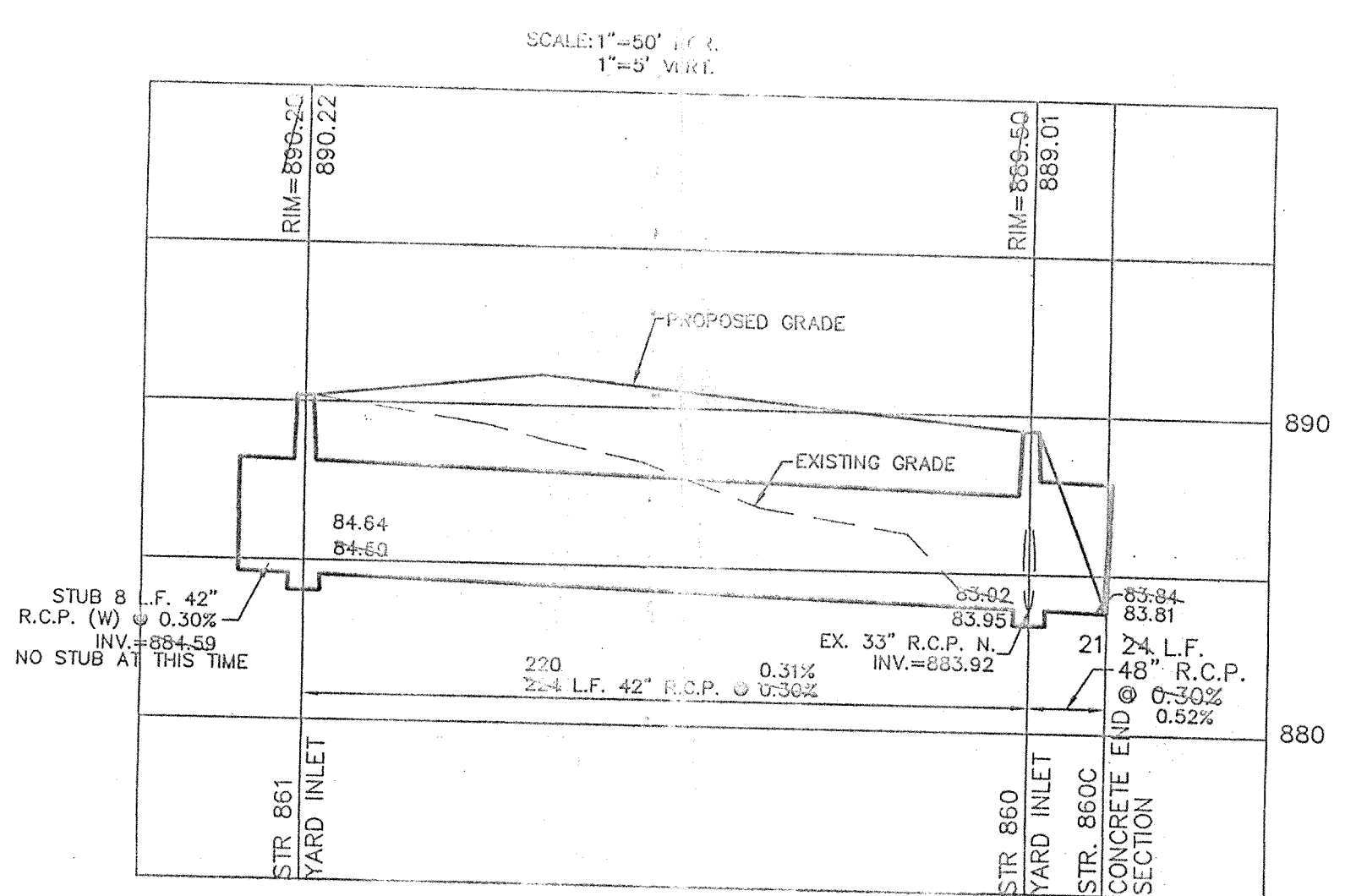
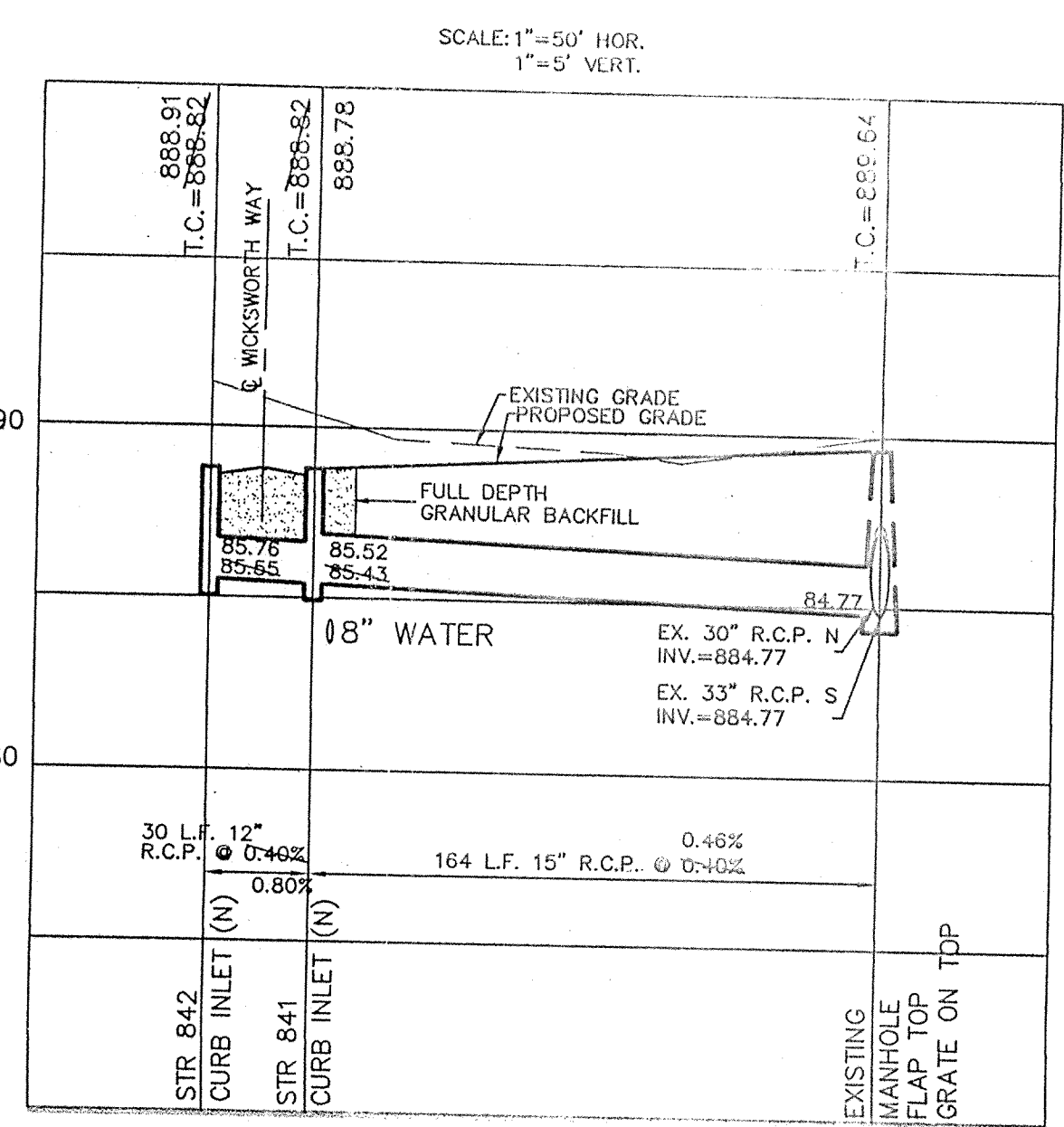
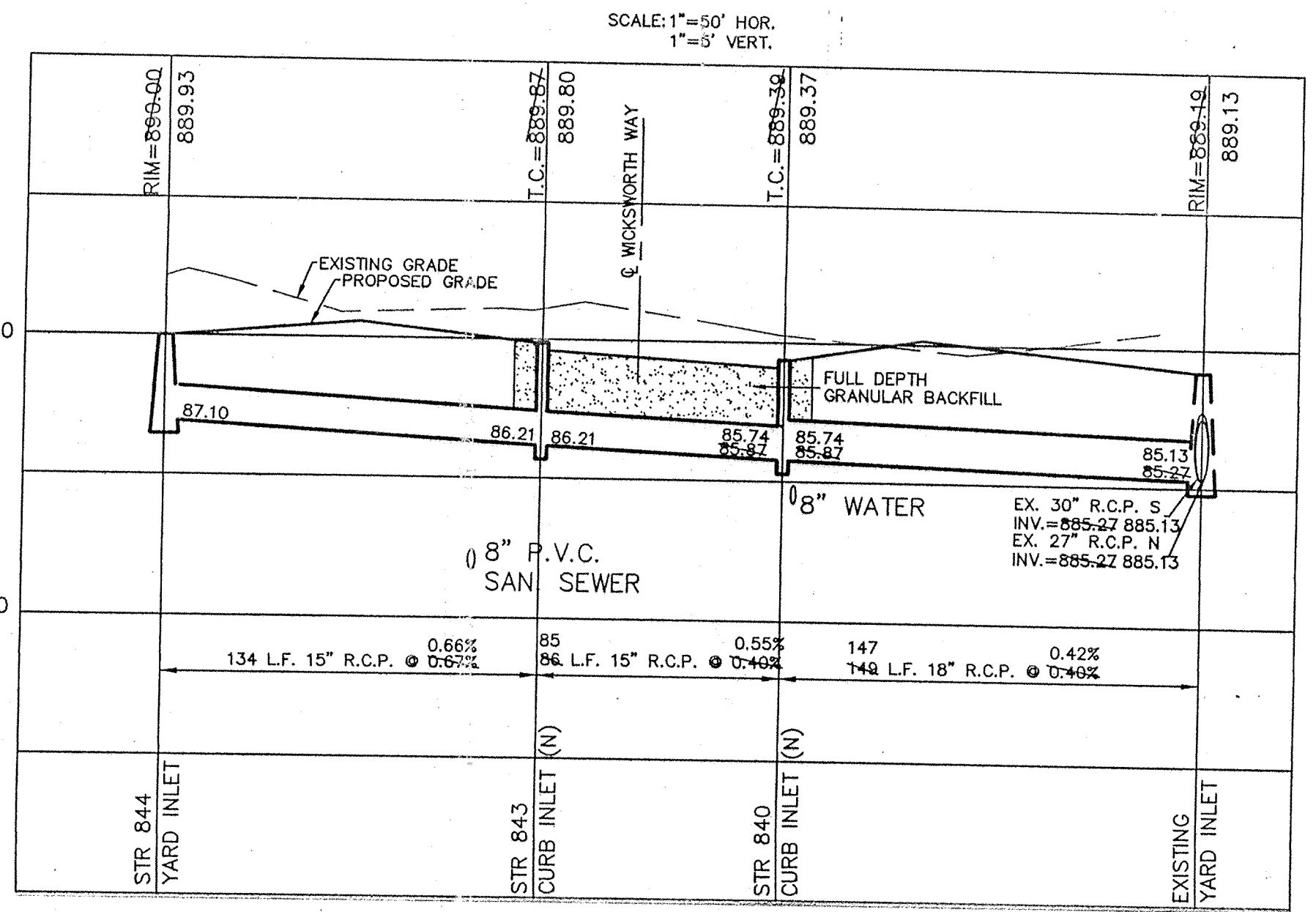
*Jeffrey W. Dakling*  
 JEFFREY W. DAKLING  
 Registered Land Surveyor  
 No. 900017



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: 2-27-02

Entered by: SLM/JDH 1-9-04



DATE	1/9/98	DATE	1/9/98
BY	WLD	BY	WLD
DATE	1/9/98	DATE	1/9/98
BY	WLD	BY	WLD

CERTIFIED: 1/9/98

*David J. Stapp*

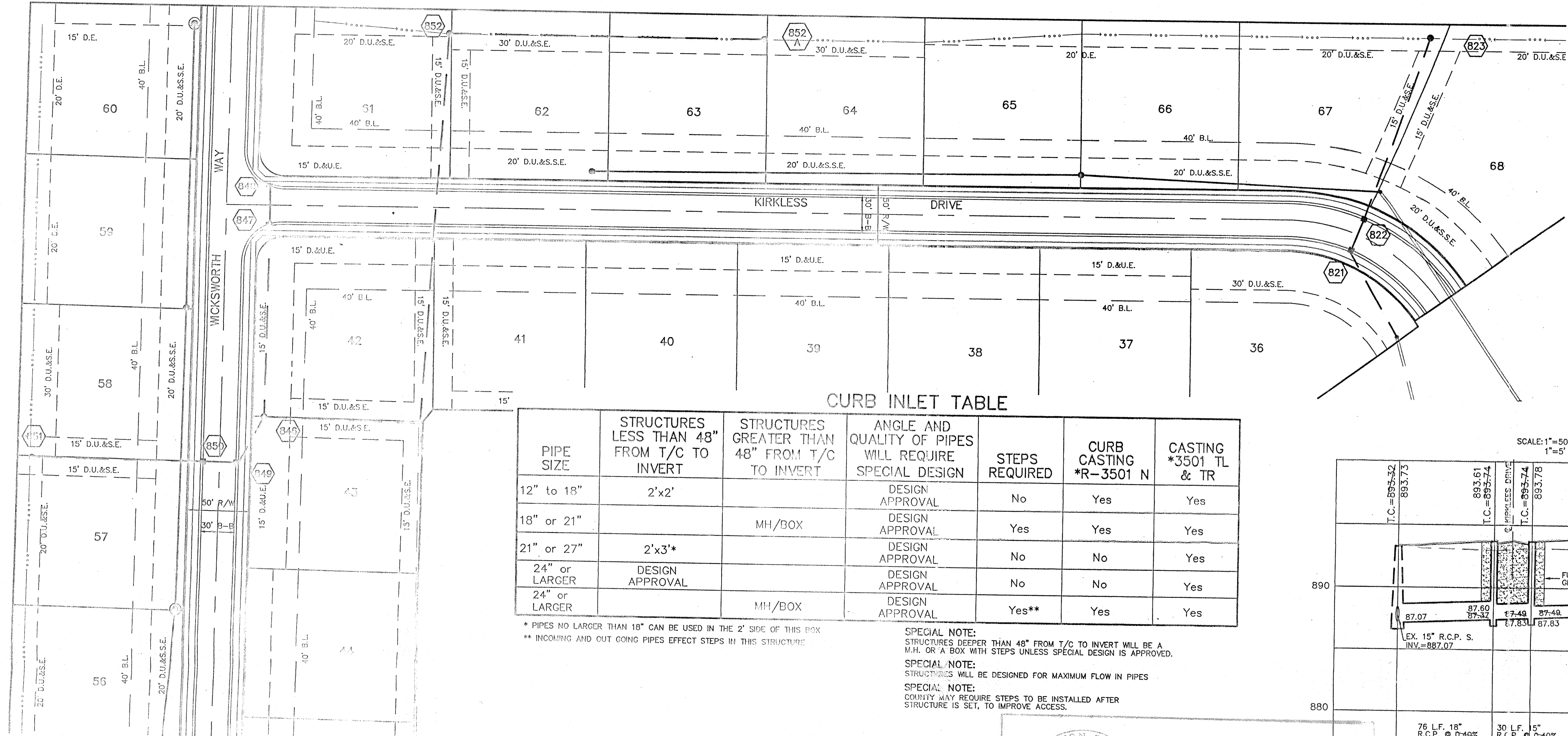
CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942

INDIANAPOLIS INDIANA

STORM SEWER PLAN & PROFILE  
 KINGSBOROUGH SECTION THREE  
 CARMEL INDIANA

SHEET NO.  
12  
 OF 17 SHEETS  
 JOB NO. 21225B



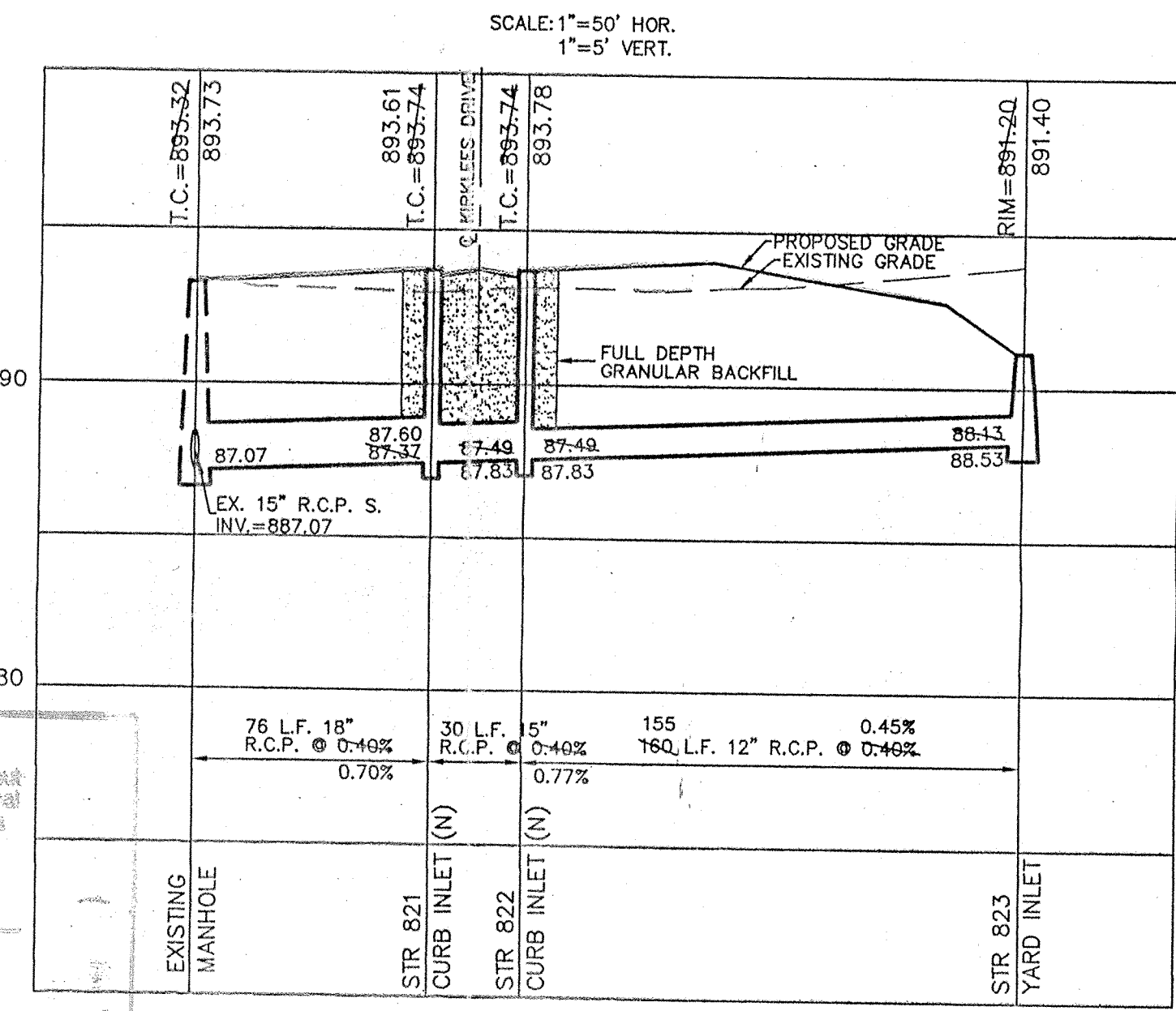


CURB INLET TABLE

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:  
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 SPECIAL NOTE:  
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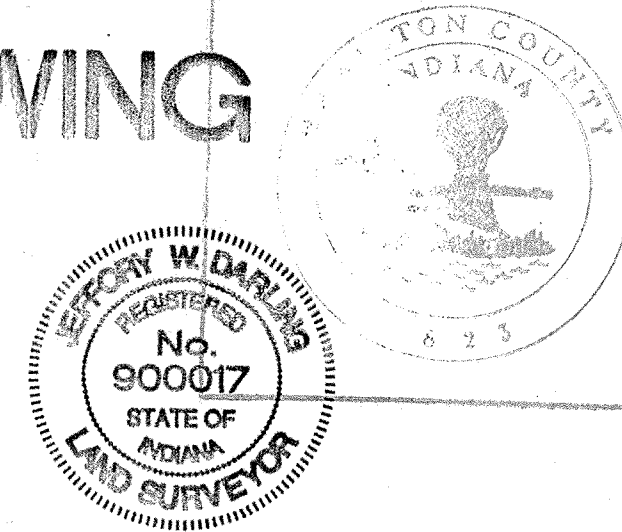


SCALE: 1"=50' HOR.  
 1"=5' VERT.

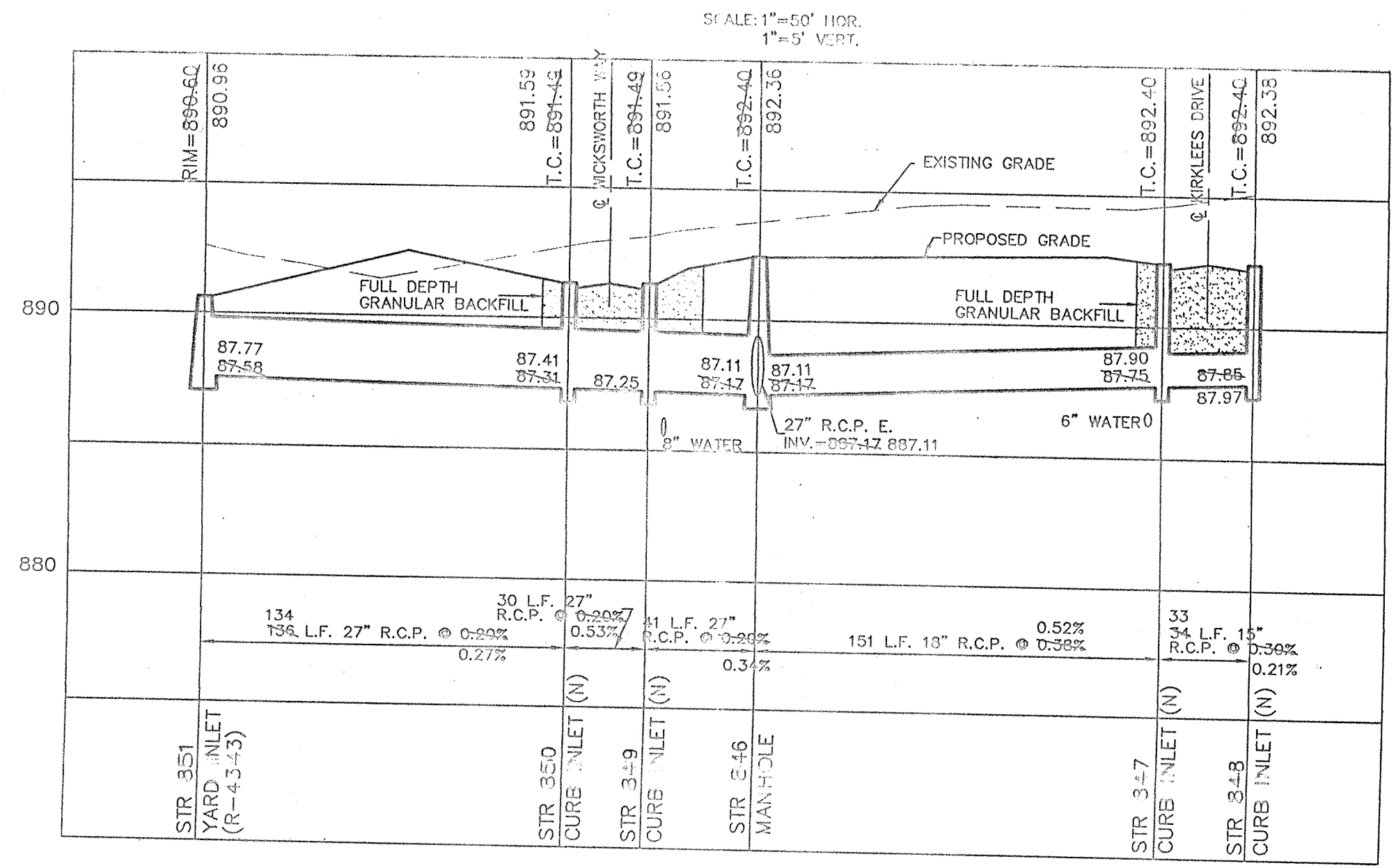
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JEFFORY W. DARLING  
 Registered Land Surveyor  
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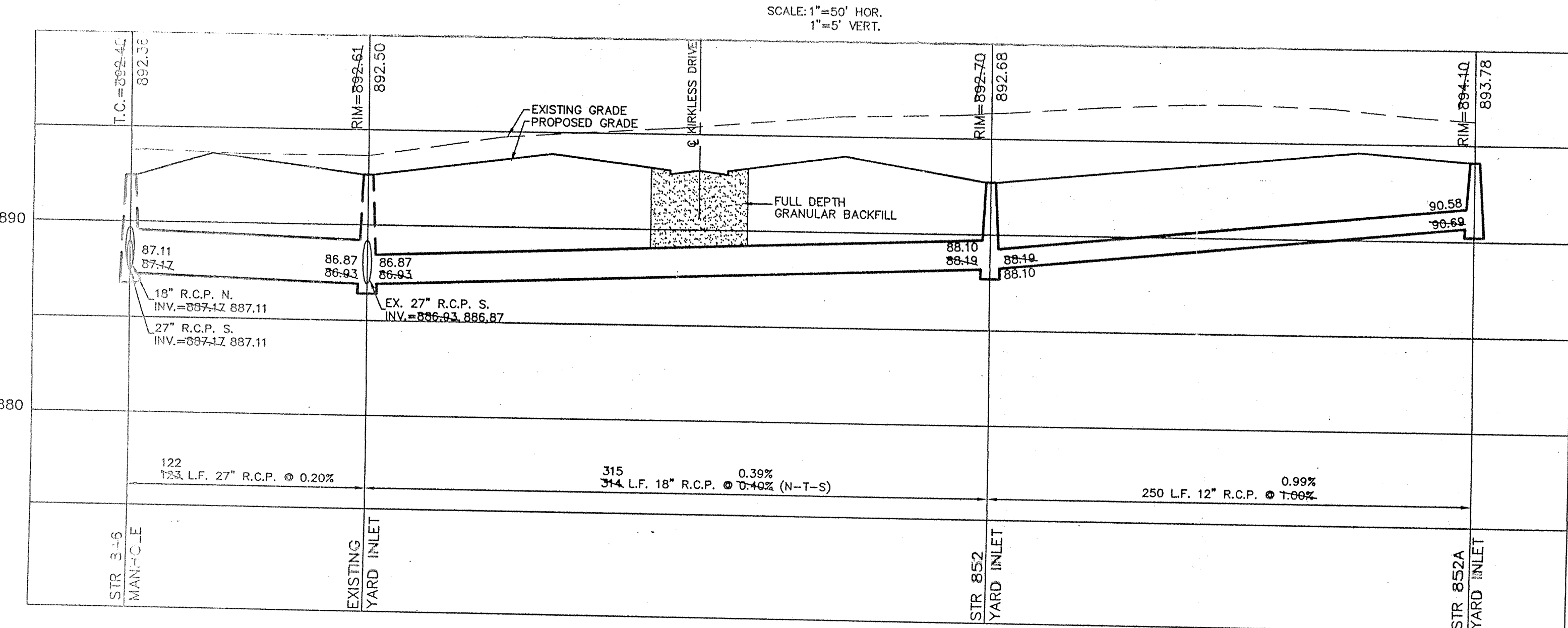
DATE 11/11/98



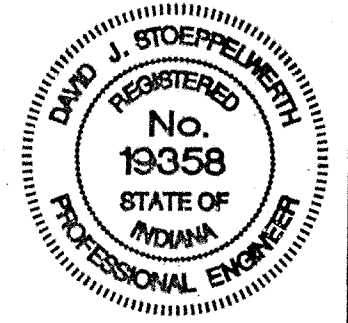
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of its GIS.  
 Entry Date: 2-21-02  
 Entered by: SM/2001 H-04



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



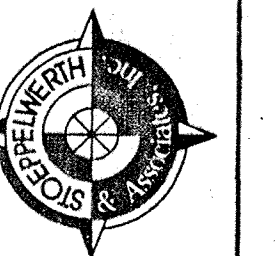
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CERTIFIED: 1/9/98

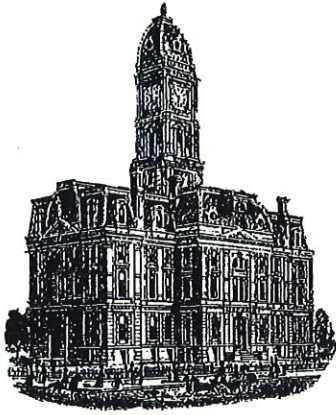
David J. Stapp

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STORM SEWER PLAN & PROFILE  
 KINGSBOROUGH SECTION THREE  
 CARMEL INDIANA





Kenton C. Ward, CFM  
Surveyor of Hamilton County  
Phone (317) 776-8495  
Fax (317) 776-9628

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

### Map Correction-Field Verification

**Drain Number:** #315

**Drain Length:** 6319

**Drain Name:** Kingsborough - Sec. 3 Arm

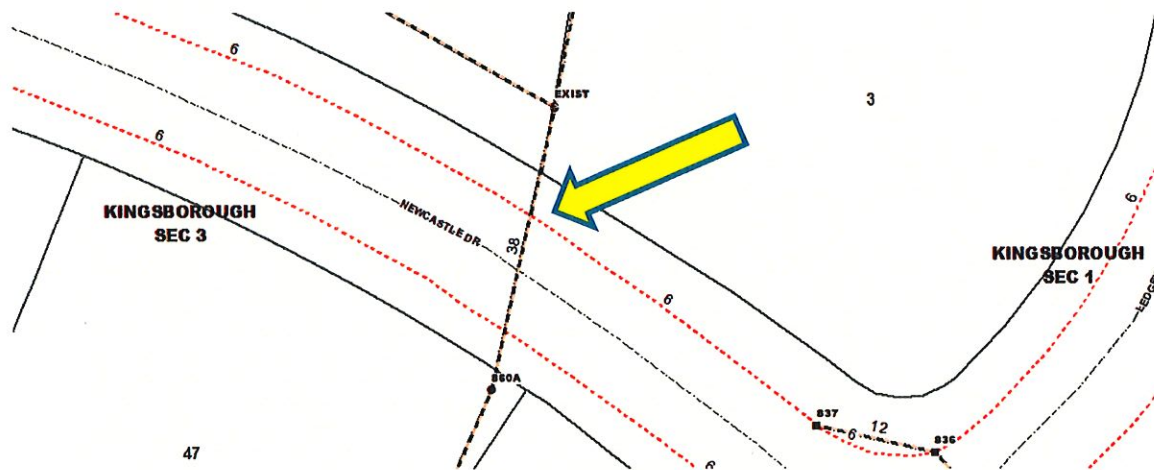
**Change + / - :** 77

**Date:** 12-6-2016

**New Length:** 6396

**Verified By:** SLM

**Notes & Sketch:** 77 ft. of 33' RCP was replaced under New Castle Drive with the Section 3 arm. Footage was subtracted from Kingsborough Sec. 1 but never added into Section 3



Suzanne L. Mills  
GIS Specialist