

Drain: KINGSBOROUGH DRAIN **Drain #:** 297
Improvement/Arm: KINGSBOROUGH-SECTION 2
Operator: JDH **Date:** 1-8-04
Drain Classification: Urban/Rural **Year Installed:** 1997

GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH 1-8
- Digitize & Attribute Tile Drains NA
- Digitize & Attribute Storm Drains JDH 1-9
- Digitize & Attribute SSD JDH 1-9
- Digitize & Attribute Open Ditch JDH 1-9
- Stamp Plans JDH 1-9
- Sum drain lengths & Validate JDH 1-9
- Enter Improvements into Posse 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 JDH 1-9

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: KINGSBOROUGH DRAIN - KINGSBOROUGH - SECTION 2

Drain Type:	Size:	Length (<small>SURVEYOR'S REPORTS</small>)	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSP	6"	7,205.08'	7,205.08'	∅		
RCP	12"	568'	568'	∅		
	15"	370'	370'	∅		
	18"	435'	435'	∅		
	21"	296'	296'	∅		
	24"	862'	862'	∅		
	27"	364'	364'	∅		
	30"	159'	191'	+32'		
	33"	222'	145'	-77'		
	36"	134'	134'	∅		
OPEN DITCH		790'	790'	∅		

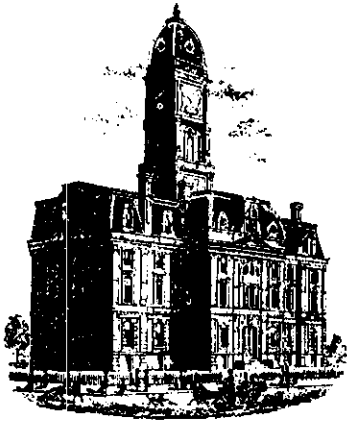
Sum: 11,405.08 11,360.08' -45'

Final Report: _____

Comments:

SR AND AB DISAGREE FOR 30" PIPE LENGTH

33" PIPE IS CUT AND REPLACED IN SECTION 3 WITH 77' OF 24" X 38" PIPE.



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

December 6, 1996

TO: HAMILTON COUNTY DRAINAGE BOARD

RE: Kingsborough Drain-Section 1 Arm

Attached is a petition, plans, non-enforcement request, calculations, quantity summary and assessment roll for the Kingsborough Drain-Section 1 Arm. I have reviewed the submittals and petition and have found each to be in proper form.

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

6" SSD	7,125 feet	27" RCP	367 feet
12" RCP	569 feet	30" RCP	176 feet
15" RCP	368 feet	33" RCP	223 feet
18" RCP	423 feet	36" RCP	155 feet
21" RCP	295 feet	Open Ditch	790 feet
24" RCP	652 feet		

The total length of the drain will be 11,143 feet.

The retention ponds (lakes) located in Common Areas 1 & 2 abutting Lots 1 and 20 are 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 area will be the responsibility of the individual property owners and 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 individual lots will not be considered part of the regulated drain. The open ditch listed above includes the open ditch in Common Area 2 at the rear of Lots 1 and 2. It also includes the open ditch across Tracts 09-22-00-00-005 owned by Zel Corkern; 09-22-00-00-004.000 owned by Timothy C. Harrison; and tract 09-22-00-00-004.001 owned by Thomas C. & Deborah S. Harrison. The existing crossings shall be considered to be approved by the Board and any future maintenance on the crossing pipes for these tracts shall be paid out of maintenance fund. The easement for these tracts should be established at fifteen (15') feet from Top of Bank on both sides of the open drain. The open ditch enters Ponds West, Section 7 and runs across Lots 135 and 136 to the Osborne-Collins Drain. This open ditch is part of the Ponds West Drain across these two (2) lots per my report to the Board, dated July 15, 1994.

Approximately twenty-five (25') feet of twenty-four (24") inch RCP will enter Ponds West across Lots 140 and 166 of Ponds West-Section 7. This length shall be maintained as part of Kingsborough Drain.

The twenty-four (24") inch RCP listed above includes the twenty-four (24") inch RCP under 141st Street, East of Kingsborough entrance.

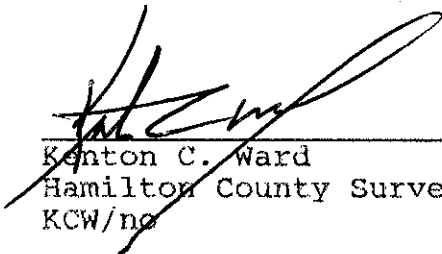
I have reviewed the plans and believe the drain will benefit each lot equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$30.00 per lot, and small tracts and acreage tracts, with a \$30.00 minimum. With this assessment the total annual assessment for this section will be \$1,322.50.

Parcel assessed for this drain may be assessed for the Osborne-Collins 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 the Board also approved the 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 1 as recorded in the office of the Hamilton County Recorder.

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



Kenton C. Ward
Hamilton County Surveyor
KCW/no

FB Fifth Third Bank

INTERNATIONAL DEPARTMENT

38 Fountain Square Plaza / Cincinnati, Ohio 45263

Phone (513) 579-5220

Telex number: 21-4567

Cable address: FIFTH THIRD

IRREVOCABLE STANDBY LETTER OF CREDIT
L/C Number SB10559
Page 2 of 2

"DRAWN UNDER LETTER OF CREDIT NO. SB10559 OF THE FIFTH
THIRD BANK, CINCINNATI, OHIO DATED OCTOBER 31, 1996."

THIS LETTER OF CREDIT IS EFFECTIVE AS OF OCTOBER 31, 1996
AND SHALL EXPIRE ON OCTOBER 31, 1997, BUT SUCH EXPIRATION
DATA SHALL BE AUTOMATICALLY EXTENDED FOR A PERIOD OF ONE
(1) YEAR ON OCTOBER 31, 1997 AND ON EACH SUCCESSIVE
EXPIRATION DATE, UNLESS A RELEASE IS RECEIVED FROM THE
BOARD OF HAMILTON COUNTY COMMISSIONERS, OR WE NOTIFY BOTH
THE BOARD OF HAMILTON COUNTY COMMISSIONERS AND JOHN B.
URBAHNS, II BY CERTIFIED MAIL, AT LEAST NINETY (90) DAYS
BEFORE THE CURRENT EXPIRATION DATE, THAT WE HAVE DECIDED
NOT TO EXTEND THIS LETTER OF CREDIT BEYOND THE CURRENT
EXPIRATION DATE. IN THE EVENT OF SUCH NOTIFICATION BY
US, THE CREDIT ESTABLISHED BY THIS LETTER SHALL BE
AVAILABLE TO THE BOARD OF HAMILTON COUNTY COMMISSIONERS
UPON ITS SIGHT DRAFT OR DEMAND FOR PAYMENT FOR NINETY
(90) DAYS AFTER RECEIPT OF SUCH NOTICE BY THE BOARD OF
HAMILTON COUNTY COMMISSIONERS, AS SHOWN ON THE SIGNED
RETURN RECEIPT.

THE CREDIT ESTABLISHED BY THIS LETTER AND OUR OBLIGATION
TO PAY SAME SHALL NOT BE AFFECTED BY THE RECEIVERSHIP,
BANKRUPTCY OR INSOLVENCY OF JOHN B. URBAHNS, II OR THE
ATTACHMENT OF HIS/HER PROPERTY. NOR SHALL THIS CREDIT OR
OUR OBLIGATIONS TO PAY SAME BE AFFECTED BY ANY SECURITY
AGREEMENT BETWEEN JOHN B. URBAHNS, II AND OUR BANK AND/OR
AGENCY.

WHENEVER THIS LETTER OF CREDIT IS DRAWN ON UNDER AND IN
COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT, WE
SHALL PAY THE AMOUNT OF THE DRAFT DIRECTLY TO THE BOARD
OF HAMILTON COUNTY COMMISSIONERS OR IN ACCORDANCE WITH
ITS INSTRUCTIONS.

REGARDS
THE FIFTH THIRD BANK
INTERNATIONAL DEPT.
CINCINNATI, OHIO USA
TLX 214567

T. R. Chamberlain
Authorized Signature

James L. Madala
Authorized Signature

Except so far as otherwise expressly stated this credit is subject to the "Uniform Customs and Practice for Documentary Credits of the International Chamber of Commerce, Presently in Effect"

FB Fifth Third Bank

INTERNATIONAL DEPARTMENT

38 Fountain Square Plaza / Cincinnati, Ohio 45263

Phone (513) 579-5220

Telex number: 21-4567



*Released 8-11-97
SLM*

Cable address: FIFTH THIRD

IRREVOCABLE STANDBY LETTER OF CREDIT PLACE AND DATE OF ISSUE
L/C NUMBER SB10559 Cincinnati, Ohio 45263
Page 1 of 2 31 Oct.1996

APPLICANT:
JOHN B. URBANUS II
3905 VINCENNES ROAD, #505
INDIANAPOLIS, IN 46268

ADVISING BANK:
Fifth Third Bank
Cincinnati, Ohio 45263

BY ORDER OF:
Same

BENEFICIARY:
BOARD OF HAMILTON COUNTY
COMMISSIONERS
ONE HAMILTON COUNTY SQUARE, #146
NOBLESVILLE IN 46060-2230

AMOUNT: USD43,178.00
Forty three thousand one hundred
seventy eight and 00/100
United States Dollars

PLACE AND DATE OF EXPIRY:
Our counters
31 Oct.1997

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. SB10559 IN YOUR FAVOR, AT THE REQUEST AND FOR THE ACCOUNT OF JOHN B. URBANUS, II, FOR ANY SUM OR SUMS NOT EXCEEDING \$43,178.00, AVAILABLE UPON PRESENTATION BY THE DIRECTOR OF THE BOARD OF HAMILTON COUNTY COMMISSIONERS OR ANY EMPLOYEE ACTING UNDER HIS AUTHORITY, OF A LETTER SIGNED BY THE PRESIDENT OF THE BOARD OF HAMILTON COUNTY COMMISSIONERS ENUMERATING ANY AND ALL IMPROVEMENTS WERE NOT COMPLETED AS REQUIRED IN KINGSBOROUGH PRIMARY PLAT; SECTION NUMBER: SECTION 22: DOCKET NO. PLAT CASE NUMBER: 3-95 P.P.

IMPROVEMENTS, AS REFERENCED ABOVE, SPECIFICALLY RELATE TO EROSION CONTROL. THE PRESIDENT'S LETTER SHALL ALSO INDICATE THE ESTIMATED COST OF COMPLETING THE IMPROVEMENTS.

THE DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST STATE

Except so far as otherwise expressly stated this credit is subject to the "Uniform Customs and Practice for Documentary Credits of the International Chamber of Commerce, Presently in Effect".

FB Fifth Third Bank

INTERNATIONAL DEPARTMENT

38 Fountain Square Plaza / Cincinnati, Ohio 45263

Phone (513) 579-5220

Telex number: 21-4567



Cable address: FIFTH THIRD

*Expired
SLW*

IRREVOCABLE STANDBY LETTER OF CREDIT PLACE AND DATE OF ISSUE
L/C NUMBER SB10557 Cincinnati, Ohio 45263
Page 1 of 3 31 Oct.1996

APPLICANT:
JOHN B. URBAHNS II
3905 VINCENNES ROAD, #505
INDIANAPOLIS, IN 46268

ADVISING BANK:
Fifth Third Bank
Cincinnati, Ohio 45263

BY ORDER OF:
Same

BENEFICIARY:
BOARD OF HAMILTON COUNTY
COMMISSIONERS
ONE HAMILTON COUNTY SQUARE, #146
NOBLESVILLE IN 46060-2230

AMOUNT: USD219,060.00
Two hundred nineteen thousand
sixty and 00/100
United States Dollars

PLACE AND DATE OF EXPIRY:
Our counters
31 Oct.1997

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. SB10557 IN YOUR FAVOR, AT THE REQUEST AND FOR THE ACCOUNT OF JOHN B. URBAHNS, II, FOR ANY SUM OR SUMS NOT EXCEEDING \$219,060.00, AVAILABLE UPON PRESENTATION BY THE DIRECTOR OF THE BOARD OF HAMILTON COUNTY COMMISSIONERS OR ANY EMPLOYEE ACTING UNDER HIS AUTHORITY, OF A LETTER SIGNED BY THE PRESIDENT OF THE BOARD OF HAMILTON COUNTY COMMISSIONERS ENUMERATING ANY AND ALL IMPROVEMENTS WERE NOT COMPLETED AS REQUIRED IN KINGSBOROUGH PRIMARY PLAT; SECTION NUMBER: SECTION 22; DOCKET NO. PLAT CASE NUMBER: 3-95 P.P.

IMPROVEMENTS, AS REFERENCED ABOVE, SPECIFICALLY RELATE TO STORM SEWER SYSTEM INCLUDING PIPE, INLETS, MANHOLE AND SECTIONS, SUBSURFACE DRAINS, RIP-RAP, BEDDING AND BACKFILL. THE PRESIDENT'S LETTER SHALL ALSO INDICATE THE ESTIMATED COST OF COMPLETING THE IMPROVEMENTS.

Except so far as otherwise expressly stated this credit is subject to the "Uniform Customs and Practice for Documentary Credits of the International Chamber of Commerce, Presently in Effect".

 Fifth Third Bank

INTERNATIONAL DEPARTMENT

38 Fountain Square Plaza / Cincinnati, Ohio 45263

Phone (513) 579-5220

Telex number: 21-4567

As: FIFTH THIRD

IRREVOCABLE STANDBY LETTER OF CREDIT
L/C Number SB10557
Page 2 of 3

THE DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST STATE
"DRAWN UNDER LETTER OF CREDIT NO. SB10557 OF THE FIFTH
THIRD BANK, CINCINNATI, OHIO DATED OCTOBER 31, 1996."

THIS LETTER OF CREDIT IS EFFECTIVE AS OF OCTOBER 31, 1996
AND SHALL EXPIRE ON OCTOBER 31, 1997, BUT SUCH EXPIRATION
DATA SHALL BE AUTOMATICALLY EXTENDED FOR A PERIOD OF ONE
(1) YEAR ON OCTOBER 31, 1997 AND ON EACH SUCCESSIVE
EXPIRATION DATE, UNLESS A RELEASE IS RECEIVED FROM THE
BOARD OF HAMILTON COUNTY COMMISSIONERS, OR WE NOTIFY BOTH
THE BOARD OF HAMILTON COUNTY COMMISSIONERS AND JOHN B.
URBAHNS, II BY CERTIFIED MAIL, AT LEAST NINETY (90) DAYS
BEFORE THE CURRENT EXPIRATION DATE, THAT WE HAVE DECIDED
NOT TO EXTEND THIS LETTER OF CREDIT BEYOND THE CURRENT
EXPIRATION DATE. IN THE EVENT OF SUCH NOTIFICATION BY
US, THE CREDIT ESTABLISHED BY THIS LETTER SHALL BE
AVAILABLE TO THE BOARD OF HAMILTON COUNTY COMMISSIONERS
UPON ITS SIGHT DRAFT OR DEMAND FOR PAYMENT FOR NINETY
(90) DAYS AFTER RECEIPT OF SUCH NOTICE BY THE BOARD OF
HAMILTON COUNTY COMMISSIONERS, AS SHOWN ON THE SIGNED
RETURN RECEIPT.

THE CREDIT ESTABLISHED BY THIS LETTER AND OUR OBLIGATION
TO PAY SAME SHALL NOT BE AFFECTED BY THE RECEIVERSHIP,
BANKRUPTCY OR INSOLVENCY OF JOHN B. URBANS, II OR THE
ATTACHMENT OF HIS/HER PROPERTY. NOR SHALL THIS CREDIT OR
OUR OBLIGATIONS TO PAY SAME BE AFFECTED BY ANY SECURITY
AGREEMENT BETWEEN JOHN B. URBANS, II AND OUR BANK AND/OR
AGENCY.

WHENEVER THIS LETTER OF CREDIT IS DRAWN ON UNDER AND IN
COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT, WE
SHALL PAY THE AMOUNT OF THE DRAFT DIRECTLY TO THE BOARD
OF HAMILTON COUNTY COMMISSIONERS OR IN ACCORDANCE WITH
ITS INSTRUCTIONS.

Except so far as otherwise expressly stated this credit is subject to the "Uniform Customs and Practice for Documentary Credits of the International Chamber of Commerce"

FB Fifth Third Bank

INTERNATIONAL DEPARTMENT

38 Fountain Square Plaza / Cincinnati, Ohio 45263

Phone (513) 579-5220

Telex number: 21-4567

As: FIFTH THIRD

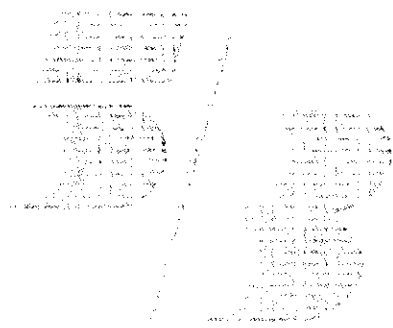
IRREVOCABLE STANDBY LETTER OF CREDIT
L/C Number SB10557
Page 3 of 3

REGARDS
THE FIFTH THIRD BANK
INTERNATIONAL DEPT.
CINCINNATI, OHIO USA
TLX 214567

T. R. Chembarkin
Authorized Signature

Dennis L. Madala
Authorized Signature

Except so far as otherwise expressly stated this credit is subject to the "Uniform Customs and Practice for Documentary Credits of the International Chamber of Commerce"





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

August 13, 1997

Re: **Kingsborough Drain: Sec. 1 Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Kingsborough Sec. 1. 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 December 6, 1996. The changes are as follows:

- Str.803-803A 36"RCP shortened from 155' feet to 134' feet. ✓
- Str.825-826 12"RCP shortened from 37' feet to 36' feet. ✓
- Str.807-808 18"RCP lengthened from 131' feet to 145' feet. ✓
- Str.804-805 12"RCP shortened from 60' feet to 56' feet. ✓
- Str.800-801 12"RCP lengthened from 60' feet to 62' feet. ✓
- Str.801A-800A 24"RCP shortened from 117' feet to 115' feet. ✓
- Str.800A-800B 24"RCP shortened from 54' feet to 47' feet. ✓
- Str.833A-833 21"RCP shortened from 150' feet to 148' feet. ✓
- Str.833-834 18"RCP lengthened from 36' feet to 38' feet. ✓
- Str.834-835 18"RCP shortened from 31' feet to 27' feet. ✓
- Str.836-837 12"RCP lengthened from 29' feet to 31' feet. ✓
- Str.845-839 27"RCP shortened from 367' feet to 364' feet. ✓
- Str.838-832 33"RCP shortened from 223' feet to 222' feet. ✓
- Str.817-816A 24"RCP at 220' feet was not listed on the original report. ✓
- Str.816A-816 24"RCP shortened from 135' feet to 134' feet. ✓
- Str.818A-818 15"RCP lengthened from 169' feet to 171' feet. ✓
- Str.820-819 12"RCP lengthened from 131' feet to 130' feet. ✓
- Str.818-817 21"RCP lengthened from 145' feet to 148' feet. ✓

The corrected total of 6"SSD is 7,205 feet.

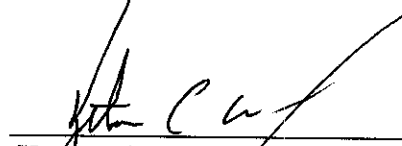
The length of the drain due to the changes described above is now **11,405 feet**.

The non-enforcement was approved by the Board at its meeting on January 27, 1997 and recorded under instrument #9709733317.

The bond or letter of credit from Fifth Third Bank, number SB10557 for storm sewers, SB10558 for monuments and markers, and SB10559 for erosion control; dated October 31, 1996, in the amount of \$219,060.00, \$3,150.00, and \$43,178.00. The letters of credit for storm sewers and erosion control were released on August 11, 1997 and the letter of credit for monumentation has expired.

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

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

Asbuilt Structures

Project: Kingsborough Sec. 1

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

STR 803	—	881.86				
STR 803A	—	882.17	36"	134'	FROM 155'	-21'
STR 824	—	882.05				
STR 825	890.14	883.97	12"	84'	/	
STR 825	890.16	883.97				
STR 826	887.49	885.26	12"	36'	FROM 37'	-1
STR 809	890.91	884.82				
STR 808	890.81	884.14	12"	30'	/	
STR 807	—	881.66				
STR 808	890.81	884.14	18"	145'	FROM 131'	+14
STR 808	890.81	884.14				
STR 812	891.70	886.28	18"	225'	/	
STR 810	890.75	887.05				
STR 811	890.70	886.59	12"	30'	/	
STR 811	890.70	886.59				
STR 812	891.70	886.28	15"	21'	/	
STR 812	891.70	886.28				
STR 813	889.48	887.11	15"	141'	/	

6" SSD Streets:

Total: _____

RCP Pipe Totals:

6" SSD Lots:

Total: _____

Other Drain:

Total Length of Drain: _____

Asbuilt Structures

Project: Kingsborough Sec. 1

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

STR 804	—	882.72				
STR 805	889.87	885.62	12"	56'	/ FRM 60	-4
STR 805	889.87	885.62				
STR 806	890.12	886.11	12"	30'	/	
STR 800	—	881.85				
STR 801	886.48	882.58	12"	62'	/ FRM 60'	+2
STR 801	886.48	882.58				
STR 802	886.42	883.10	12"	49'	/	
STR 801A	—	883.16				
STR 800A	886.64	883.70	24"	115'	/ FRM 117'	-2
STR 800A	886.64	883.70				
STR 800B	—	883.68	24"	47'	/ FRM 54'	-7
STR 833 A	—	883.00				
STR 833	887.30	883.76	21"	148'	/ FRM 150'	
STR 833	887.30	883.76				
STR 834	887.35	884.05	18"	38'	/ FRM 36'	
STR 834	887.35	884.05				
STR 835	886.87	884.14	18"	27	/ FRM 31'	

*
*

6" SSD Streets:

Total: _____

RCP Pipe Totals:

6" SSD Lots:

Total: _____

Other Drain:

Total Length of Drain: _____

Asbuilt Structures

Project: Kingsborough Sec. 1

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

STR 835	886.87	884.14				
STR 836	887.01	884.28	15"	37'	/	
STR 836	887.01	884.28				
STR 837	887.63	884.45	12"	31'	/	From 29'
STR 845	892.61	886.93				+2
STR 839	889.19	885.27	27"	364'	/	From 367'
STR 839	889.19	885.27				-3
STR 838	889.64	884.77	30"	159'	/	
STR 838	889.64	884.77				
STR 832	-	883.92	33"	222'	/	From 223
STR 817	890.76	885.55				
STR 816A	888.09	883.80	24"	220'	/	missed on
STR 816A	888.09	883.80				original
STR 816	888.27	883.30	24"	134'	/	From 135'
STR 818A	893.32	887.07				*
STR 818	891.58	886.46	15"	171'	/	From 169'
STR 820	889.17	887.17				
STR 819	891.79	886.59	12"	130'	/	From 131'

6" SSD Streets:

6" SSD Lots:

Total: _____

Total: _____

RCP Pipe Totals:

Other Drain:

Total Length of Drain: _____

Asbuilt Structures

Project: Kingsborough Sec. 1

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

STR 819	891.79	886.59				
STR 818	891.58	886.46	12"	30'	/	
STR 818	891.58	886.46				
STR 817	870.76	885.55	21"	148'	/	Plan 145'
Existing MH	883.32	879.92				
STR ?	886.17	880.19				
STR 814	887.95	882.22	24"	170'	/	*
STR 814	887.95	882.22				
STR 815	888.04	882.64	24"	30'	/	*
STR 815	888.04	882.64				
STR 816	888.27	883.32	24"	140'	/	*

6" SSD Streets:

Briersville Way	1782.84
Dunover Dr.	1338.70
Hanover Ln	481.31

6" SSD Lots:

Total: 3602.54 x 2 = 7205.08

Total: _____

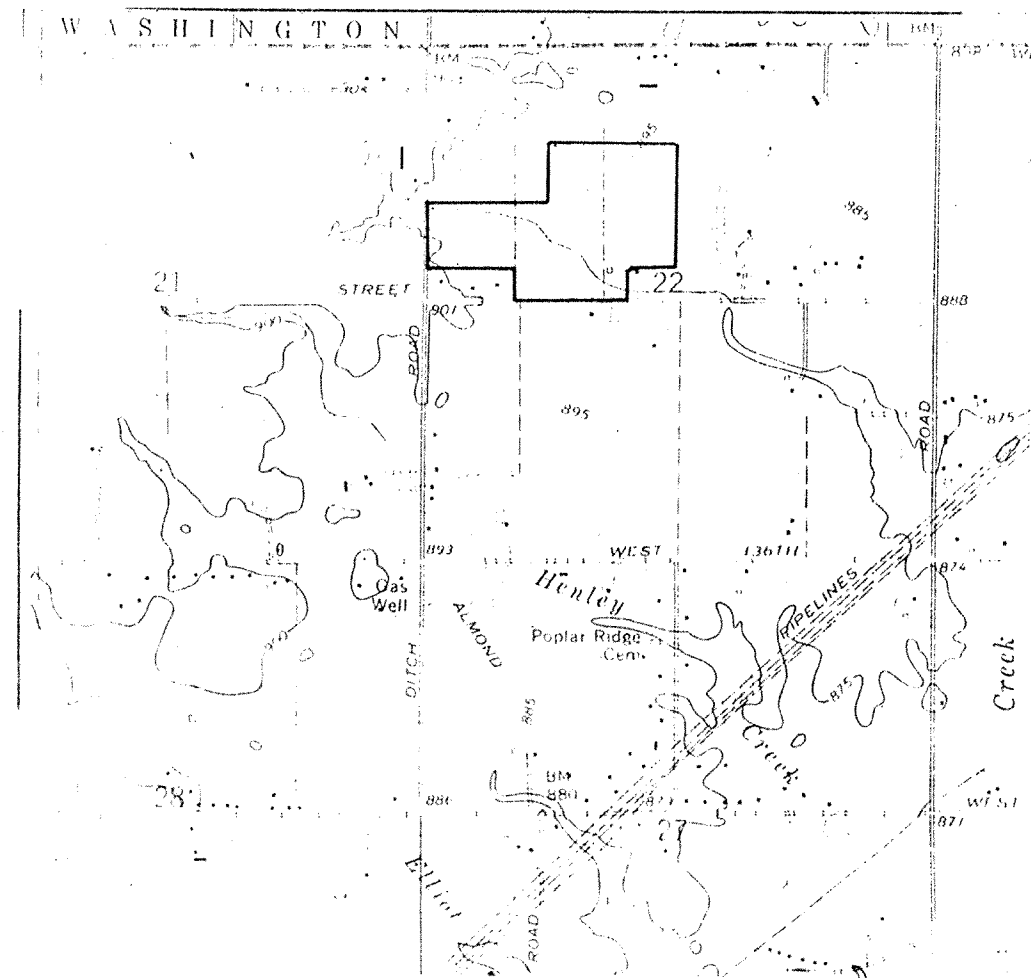
RCP Pipe Totals:

12"	568'
15"	370'
18"	435'
21"	296'
24"	862'
27"	364'
30"	159'
33"	222'

Other Drain:	
Open Ditch	790'

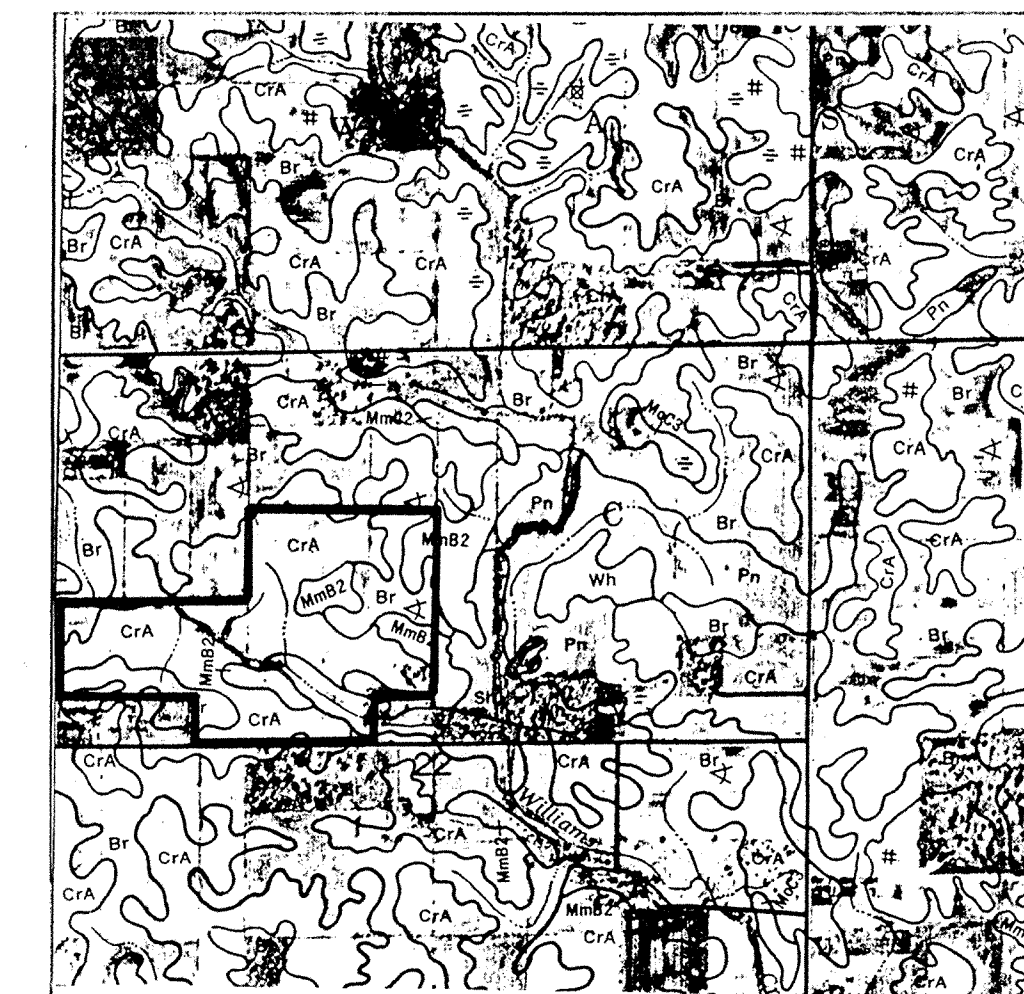
36" 134' = 3410
Total Length of Drain:

11,405



LOCATION MAP

KINGSBOROUGH SECTION ONE



SOILS MAP

CrA CROSBY
MmB2 MIAMI
Br BROOKSTON

Developed by:
JOHN B. URBAHNS
3905 VINCENNES ROAD SUITE 505
INDIANAPOLIS, INDIANA 46268
(317)-875-5750

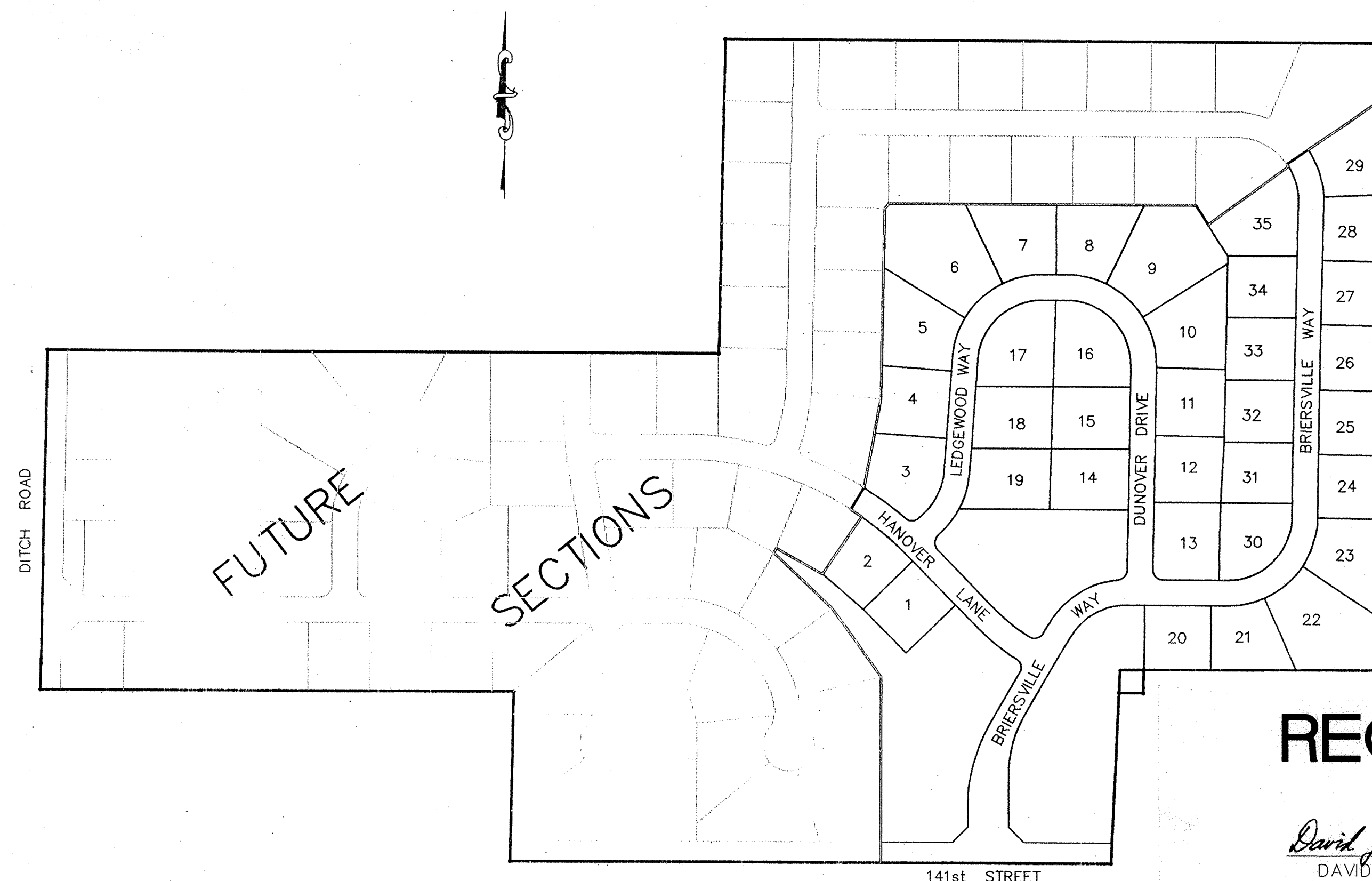
OPERATOR ON N.O.I. LETTER:
JOHN B. URBAHNS
LEE & URBAHNS COMPANY
3905 VINCENNES ROAD SUITE 505
INDIANAPOLIS, INDIANA
PHONE: (317)-875-5750

DESIGN DATA

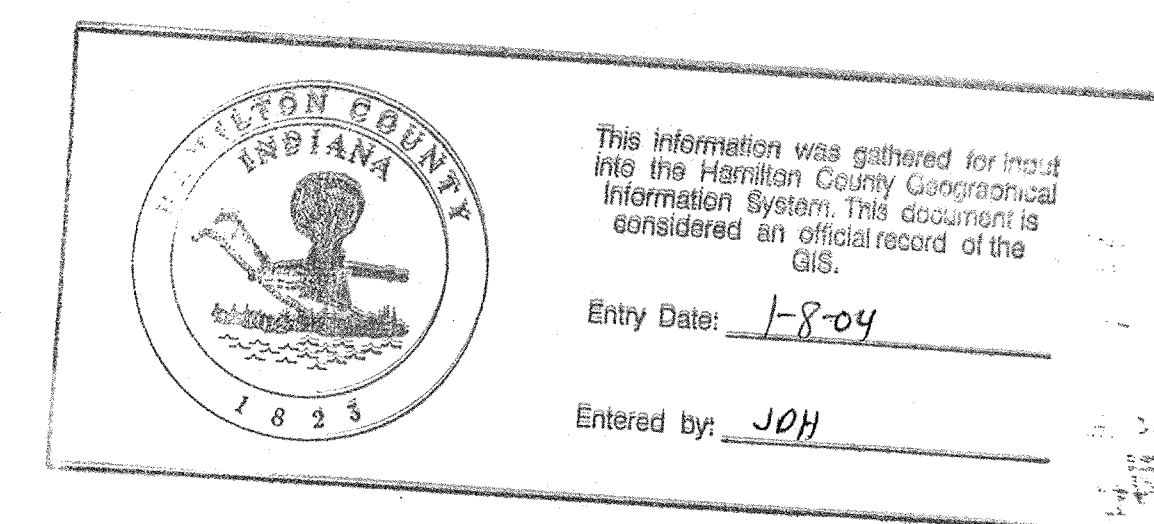
35 LOTS = 1.35 LOTS/ACRE
26.009 AC.
HANOVER LANE 481.31 L.F.
BRIERSVILLE WAY 1867.71 L.F.
LEDGEWOOD WAY 639.54 L.F.
DUNOVER DRIVE 699.16 L.F.

INDEX	
SHT.	DESCRIPTION
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	EROSION CONTROL PLAN
5	EROSION CONTROL PLAN
6	STREET PLAN & PROFILE
7	STREET PLAN & PROFILE
8	STREET PLAN & PROFILE
9	INTERSECTION DETAILS
10	ENTRANCE DETAILS
11	SANITARY SEWER PLAN & PROFILES
12	SANITARY SEWER PLAN & PROFILES
13	SANITARY SEWER PLAN & PROFILES
14	SANITARY SEWER PLAN & PROFILES
15	STORM SEWER PLAN & PROFILES
16	STORM SEWER PLAN & PROFILES
17	STORM SEWER PLAN & PROFILES
18	WATERMAIN PLAN
19	CONSTRUCTION DETAILS
20	CONSTRUCTION DETAILS
21	CONSTRUCTION DETAILS

REVISIONS	
SHT.	DESCRIPTION
1-4, 10, 12, 5	REV. IN R. LANE SCAPE 6/21/95 LMC
ALL	REV. PER COMMENT LETTERS 8/16/95 EEF
A-1	RECALC. PER 30, 35 9/7/95 LMC
1-4, 5	REV. PER 7/26/94 SC
1-4, 5	REV. PER 10/1/96 KCS



PLAT MAP
SCALE: 1" = 200'

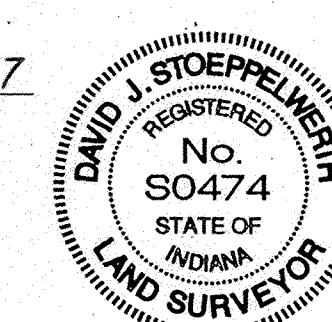


PLANS PREPARED BY:

STOEPPELWERTH & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
9940 ALLISONVILLE ROAD
P.O. BOX 509007
INDIANAPOLIS, INDIANA 46250
PHONE: (317)-849-5935
FAX: (317)-849-5942

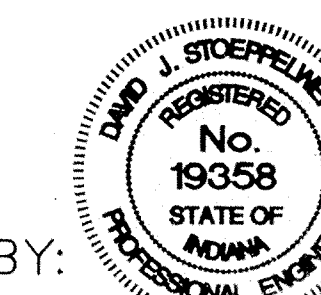
RECORD DRAWING

David J. Stoepfelwerth 6/30/97
DAVID J. STOEPPELWERTH DATE
Registered Land Surveyor
No. S0474

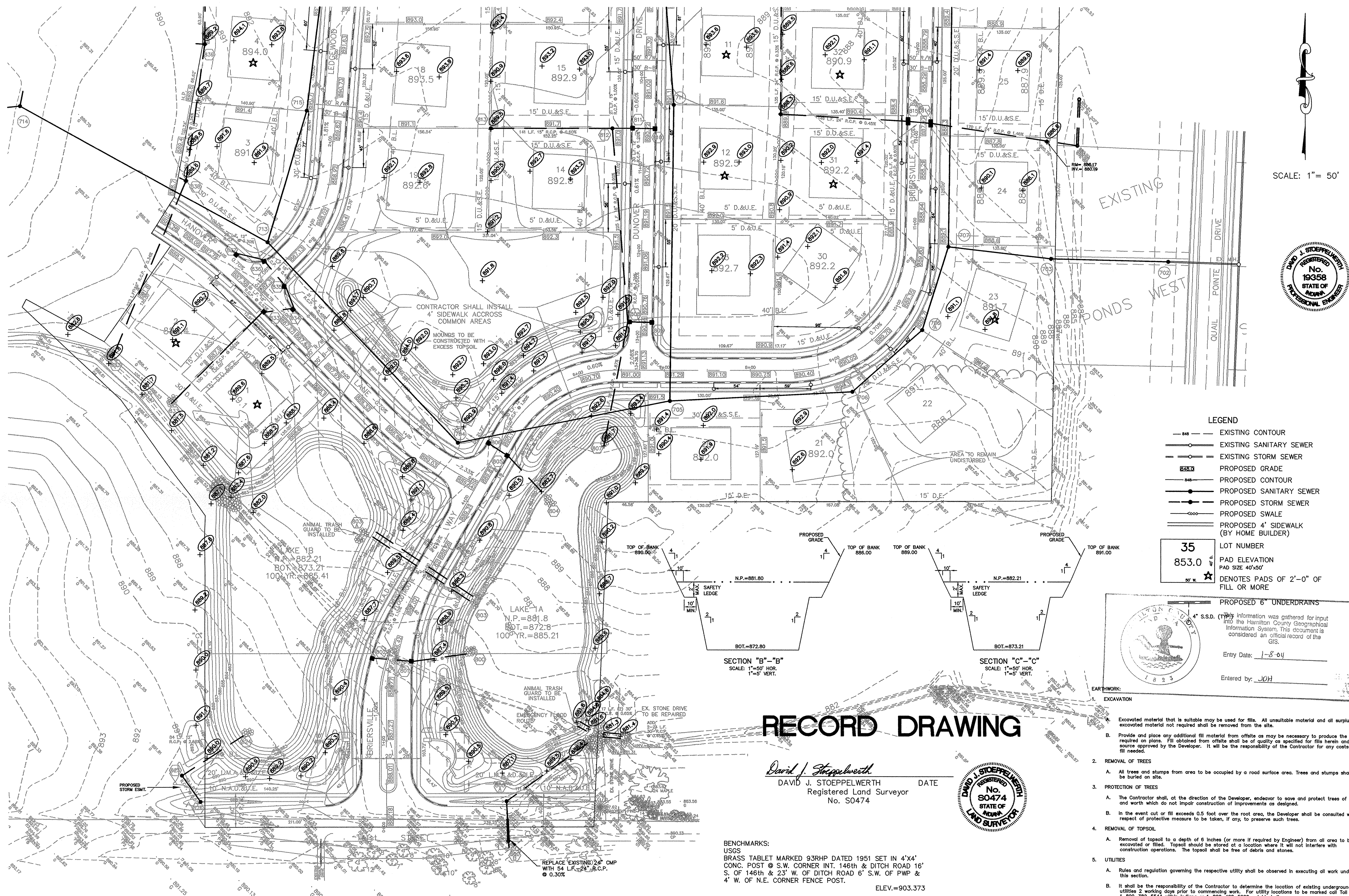


PLANS CERTIFIED BY:

David J. Stoepfelwerth 5/22/95
DAVID J. STOEPPELWERTH DATE
PROFESSIONAL ENGINEER
NO. 19358



FILED
JUL 25 1997
OFFICE OF HAMILTON COUNTY SURVEYOR



SCALE: 1" = 50'

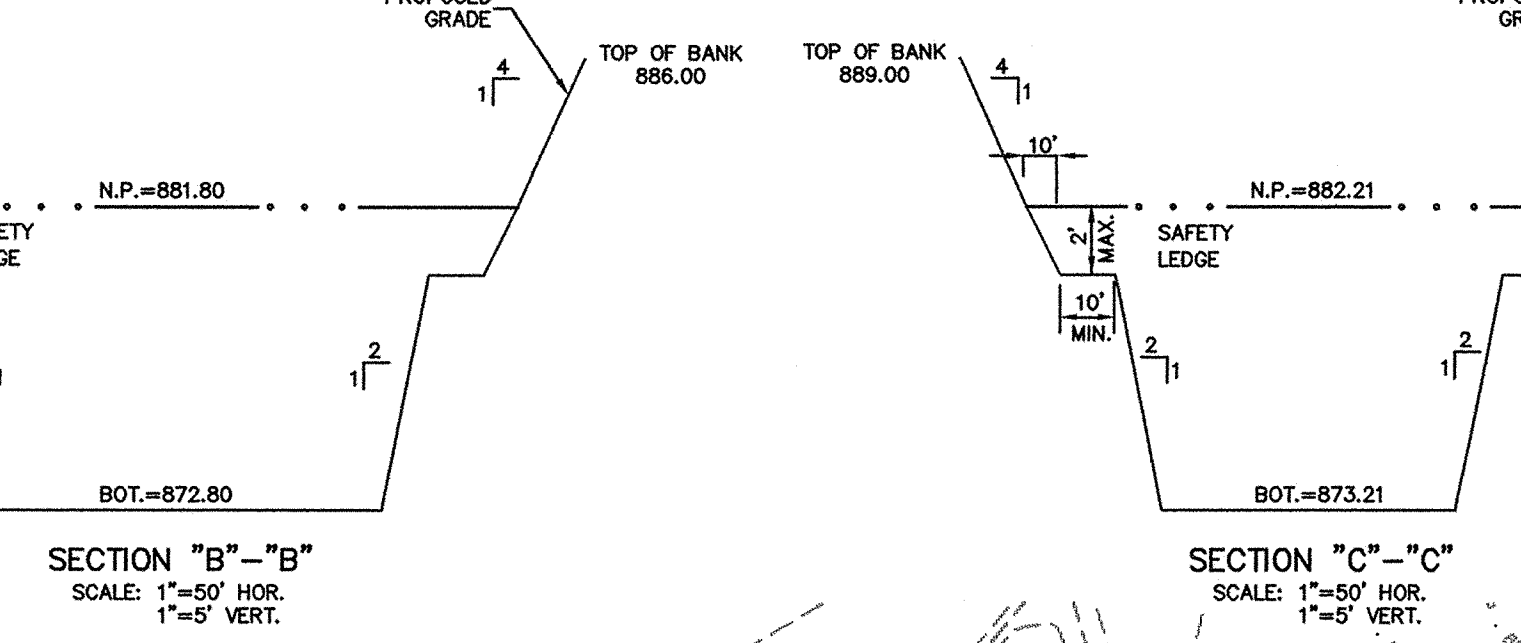


REV.	DATE	BY	REVISIONS
6/23/97	11/18/96	EF	REV. PER AS-BUILTS
7/28/98	10/7/96	EF	REV. INV.'S OF PIPES UNDER DRIVE
10/7/96	10/7/96	PRK	ADD M.H. 702
7/16/96	7/16/96	WAB	REV. PER CO. SURVEYOR
7/16/96	7/16/96	WAB	REV. PER DEVELOPER
7/16/96	7/16/96	WAB	REV. PER COMMENT LETTERS
11/21/95	11/21/95	WAB	REV. LANDSCAPE AREAS

CERTIFIED: 5/22/95

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

- LEGEND**
- 846 --- EXISTING CONTOUR
 - 853.0 --- EXISTING SANITARY SEWER
 - 853.0 --- EXISTING STORM SEWER
 - 853.0 --- PROPOSED GRADE
 - 846 --- PROPOSED CONTOUR
 - 853.0 --- PROPOSED SANITARY SEWER
 - 853.0 --- PROPOSED STORM SEWER
 - 853.0 --- PROPOSED SWALE
 - 853.0 --- PROPOSED 4' SIDEWALK (BY HOME BUILDER)
- 35 LOT NUMBER
 853.0 PAD ELEVATION
 PAD SIZE 40'x50'
 ★ DENOTES PADS OF 2'-0" OF FILL OR MORE

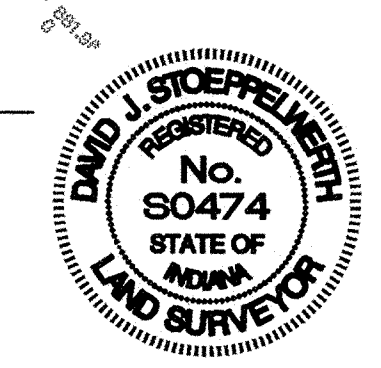


35 s.s.d. (TYP) information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 1-8-04
 Entered by: JOH

RECORD DRAWING

David J. Stoepfelwerth
 DAVID J. STOEPFELWERTH
 Registered Land Surveyor
 No. S0474



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

- 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.
 - REMOVAL OF TREES
 A. All trees and stumps from area to be occupied by a road surface area. Trees and stumps shall not be buried on site.
 - PROTECTION OF TREES
 A. 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.
 B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect of protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL
 A. Removal of topsoil to a depth of 6 inches (or more if required by Engineer) from all area 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
 A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 B. 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
 A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 B. The tolerance for paved areas shall not exceed 0.10 feet above established subgrade. All other areas shall not exceed 0.10 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

NOTE:
 CONTRACTOR SHALL INSTALL 4' SIDEWALK ALONG NORTH SIDE OF 141st STREET AND ALONG ALL COMMON AREAS.
 CONTRACTOR SHALL INSTALL DEBRIS GUARD ON POND OUTFALL PIPES.

SITE DEVELOPMENT PLAN
 KINGSBOROUGH SECTION ONE
 SHEET NO. 2
 2 OF 2 SHEETS
 JOB NO. 21225
 FORM EARTHWORK

RECORD DRAWING

David J. Stoepelwerth
 DAVID J. STOEPELWERTH DATE
 Registered Land Surveyor
 No. S0474



TEMPORARY TURNAROUND SHALL BE REQUIRED AT THIS LOCATION IF PLANS FOR THE EXTENSION OF THIS STREET ARE NOT SUBMITTED OR IN PROCESS BY THE TIME THE STREET IN SECTION 1 ARE TURNED OVER TO THE COUNTY. THE PAVEMENT FOR THE TEMPORARY TURNAROUND SHALL CONSIST OF:
 1" #11 H.A.C. BINDER
 3" #8 OR #9 H.A.C. BINDER
 5" #53 COMPACTED STONE BASE

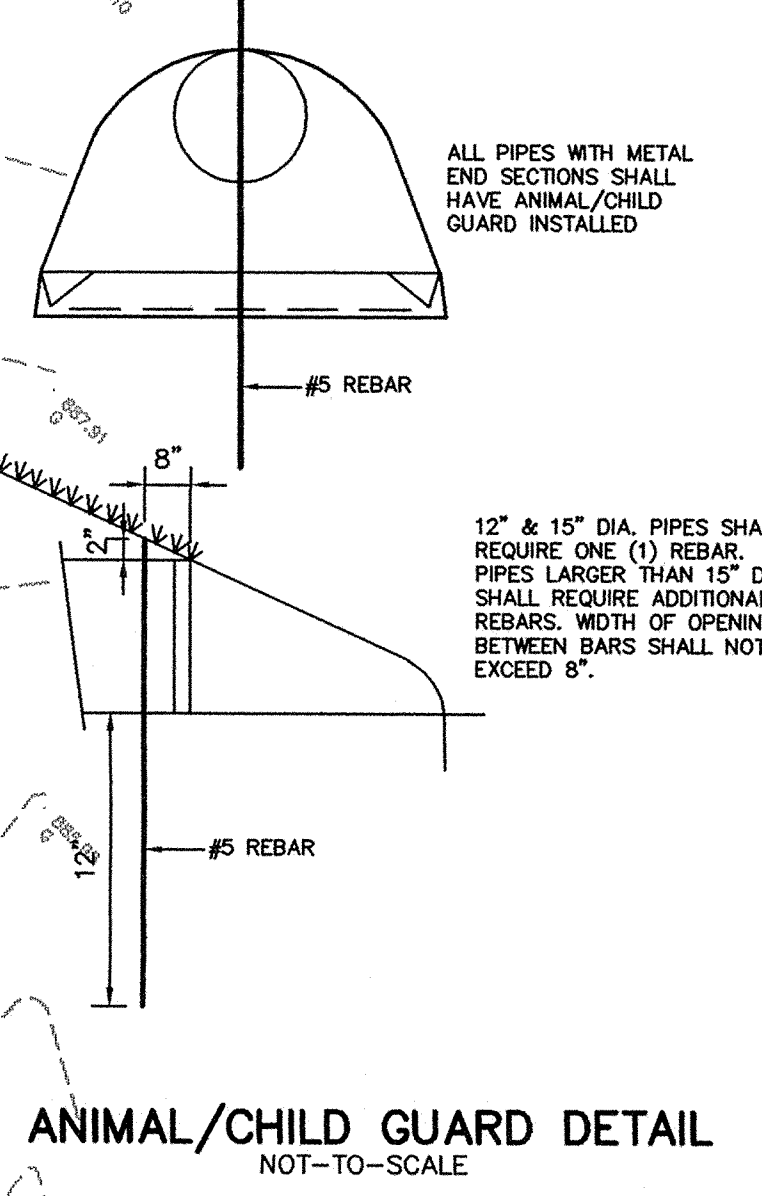
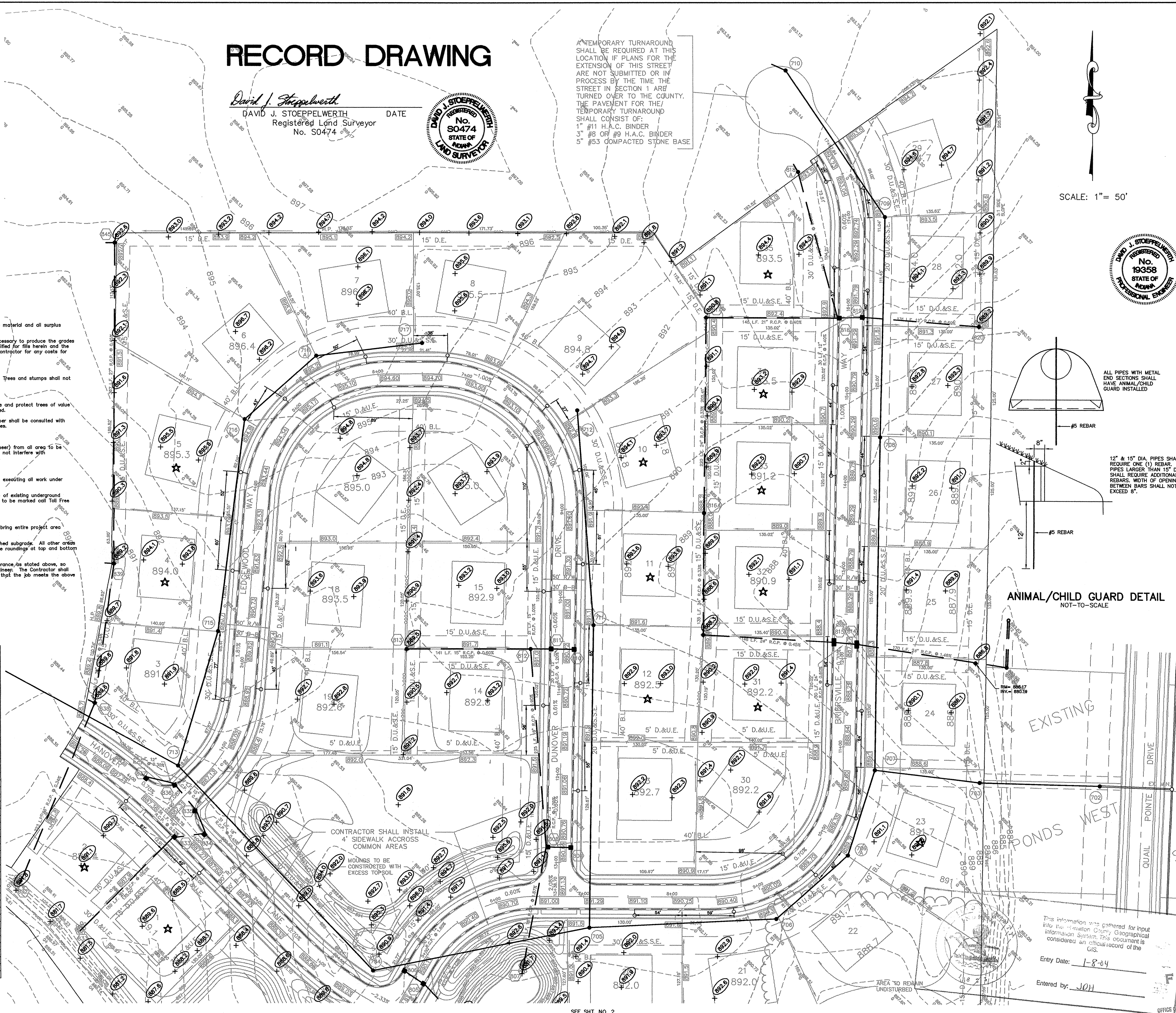
- LEGEND**
- 848 — EXISTING CONTOUR
 - 853.0 — EXISTING SANITARY SEWER
 - 853.0 — EXISTING STORM SEWER
 - 853.0 — PROPOSED GRADE
 - 848 — PROPOSED CONTOUR
 - 853.0 — PROPOSED SANITARY SEWER
 - 853.0 — PROPOSED STORM SEWER
 - 853.0 — PROPOSED SWALE
 - 853.0 — PROPOSED 4' SIDEWALK (BY HOME BUILDER)
 - 35 LOT NUMBER
 - 853.0 PAD ELEVATION
 - 40'x50' PAD SIZE
 - ★ DENOTES PADS OF 2'-0" OF FILL OR MORE
 - 853.0 — PROPOSED 6" UNDERDRAINS
 - 4" S.S.D. (TYP.)

SCALE: 1" = 50'

- 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 from area to be occupied by a road surface area. Trees and stumps shall not be buried on site.
 - PROTECTION OF TREES**
 - The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect of protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL**
 - Removal of topsoil to a depth of 6 inches (or more if required by Engineer) from all area 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.
800	Concrete End Section	886.00	881.80 (W)	
800	A Yard Inlet	886.00	883.75 (N)(S)	
800	B Concrete End Section	886.50	883.91 (W)	
801	Curb Inlet	886.50	882.46 (E)(W)	
801	A Concrete End Section	886.50	883.00 (S)	
802	Curb Inlet	886.50	883.00 (E)	
803	Concrete End Section	889.91	881.80 (W)	
803	A Concrete End Section	889.91	882.21 (E)	
804	Concrete End Section	889.91	881.80 (E)	
805	Curb Inlet	889.91	885.24 (E)(W)	
805	A Concrete End Section	889.91	881.69 (W)	
806	Curb Inlet	889.91	885.76 (E)	
807	Concrete End Section	889.91	881.80 (N)	
808	Curb Inlet	889.91	884.18 (N)(S)(E)	
809	Curb Inlet	889.91	884.69 (W)	
810	Curb Inlet	889.91	885.78 (W)	
811	Curb Inlet	889.91	885.72 (E)(W)	
812	Manhole	889.91	881.30 (S)(E)(W)	
813	Yard Inlet	889.91	887.00 (E)	
814	Double Curb Inlet	889.91	882.68 (E)(W)	
815	Double Curb Inlet	889.91	882.88 (E)(W)	
816	Yard Inlet	889.91	883.54 (N)(E)	
816A	Yard Inlet	889.91	883.89 (N)(S)	
817	Yard Inlet	889.91	880.40 (S)(E)	
818	Curb Inlet	889.91	885.29 (N)(E)(W)	
818	Manhole	889.91	886.64 (S)(N)(W)	
819	Curb Inlet	889.91	885.71 (E)(W)	
820	Yard Inlet	889.91	886.50 (W)	
824	Concrete End Section	889.91	881.80 (SW)	
825	Manhole	889.91	884.05 (NE)(SE)	
826	Yard Inlet	889.91	885.32 (NW)	
832	Concrete End Section	889.91	883.90 (N)	
833	Curb Inlet	889.91	883.84 (SW)(E)	
833	A Concrete End Section	889.91	883.05 (NE)	
834	Curb Inlet	889.91	887.28 (S)(E)	
834	Curb Inlet	889.91	887.28 (W)(N)	
835	Curb Inlet	889.91	886.85 (S)(N)	
836	Curb Inlet	889.91	884.32 (S)(W)	
837	Curb Inlet	889.91	884.41 (E)	
838	Manhole	889.91	884.71 (N)(S)(NW)	
839	Yard Inlet	889.91	885.25 (N)(S)(W)	
845	Yard Inlet	889.91	886.90 (N)(S)(W)	
21225SST				



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 Entry Date: 1-8-04
 Entered by: JON

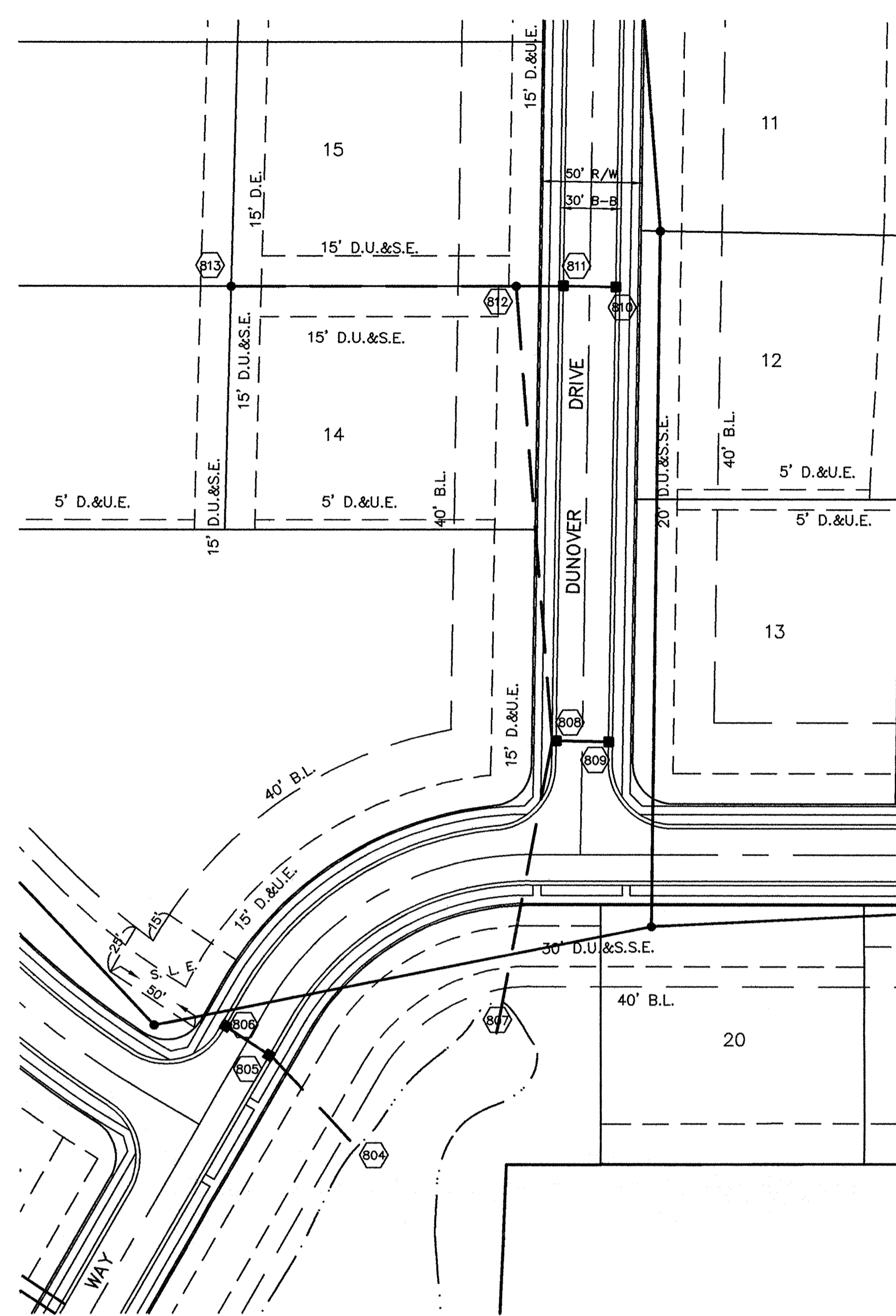
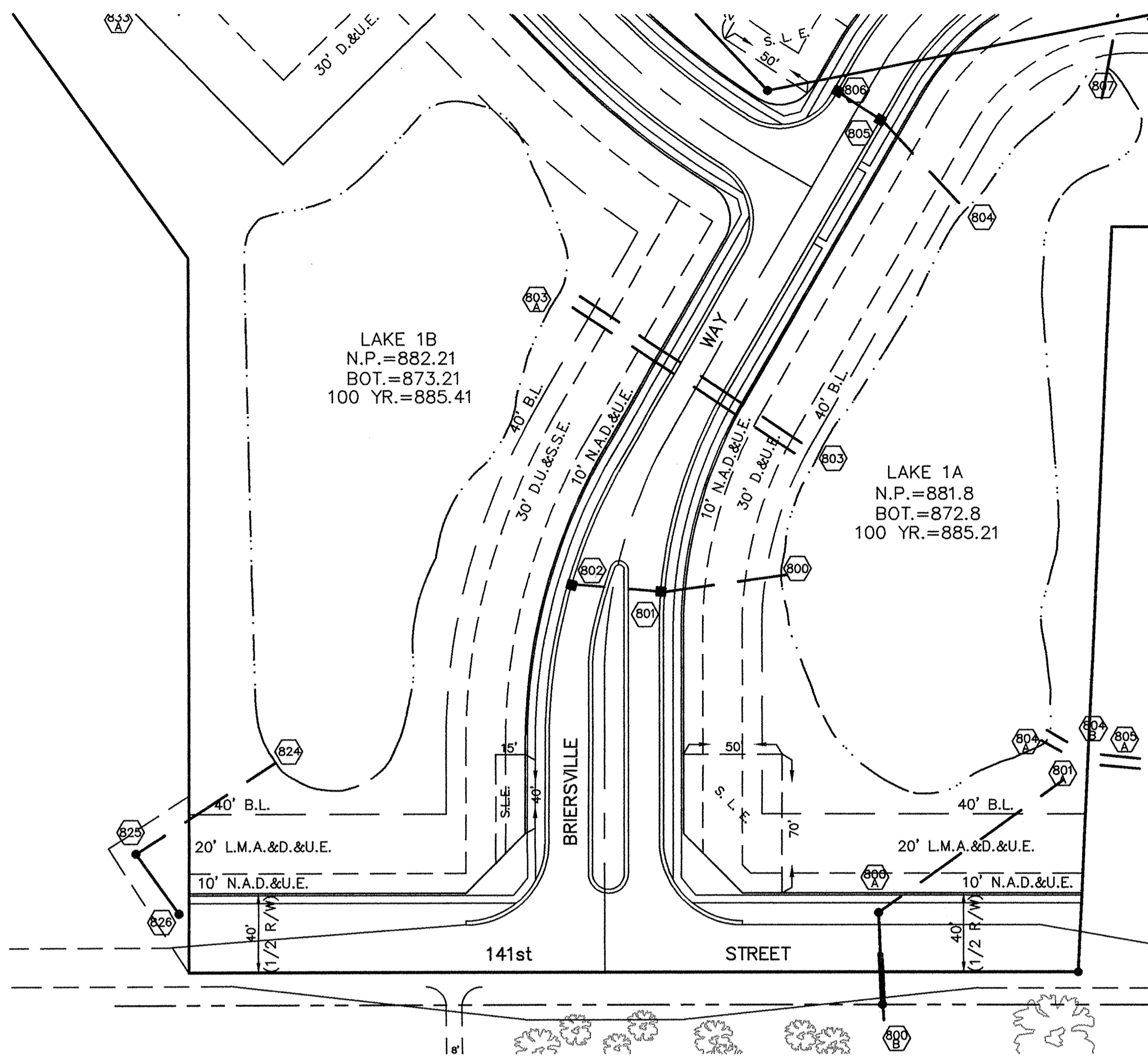
REV. PER AS-BUILTS	REV. PER CO. SURVEYOR	REV. PER DEVELOPER	REV. PER COMMENT LETTERS	REV. LANDSCAPE AREA	REVISIONS
6/23/07	10/07/06	9/16/06	7/25/06	8/16/06	DATE
ADD MANHOLE 702 & 716A	REV. PER CO. SURVEYOR	REV. PER DEVELOPER	REV. PER COMMENT LETTERS	REV. LANDSCAPE AREA	MARK
PK	PK	PK	PK	PK	DATE
5/22/05	5/22/05	5/22/05	5/22/05	5/22/05	DATE


CERTIFIED: 5/22/05

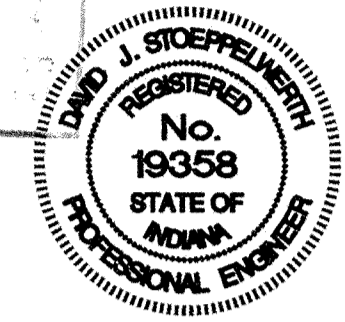
CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 INDIANAPOLIS INDIANA

SITE DEVELOPMENT PLAN
KINGSBOROUGH SECTION ONE
 CARMEL INDIANA

SHEET NO. 3 OF 21 SHEETS
 21225



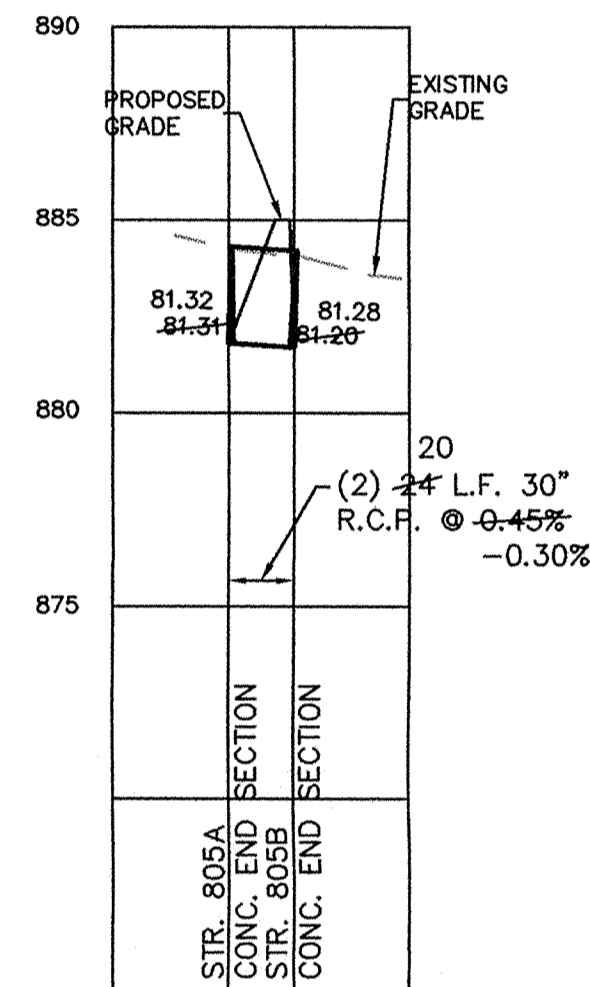
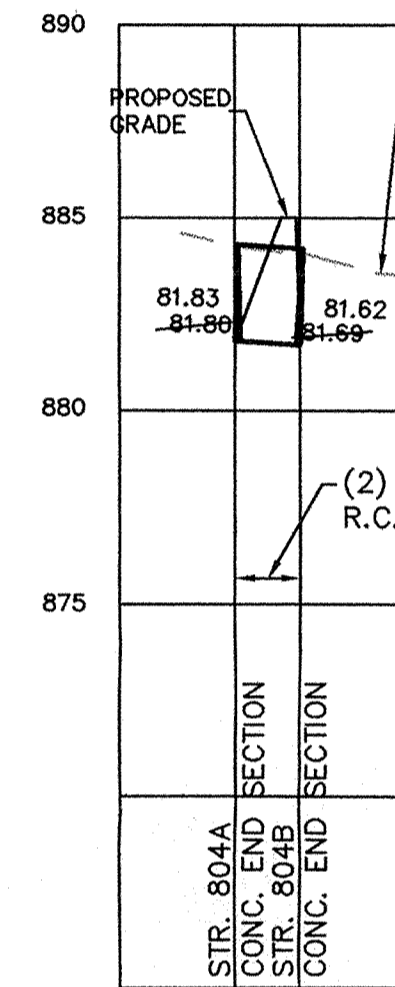

 This information was gathered for input into the Hamilton County Geographic Information System. This document is considered an official record of the GIS.
 Entry Date: 1-8-03
 Entered by: JDH



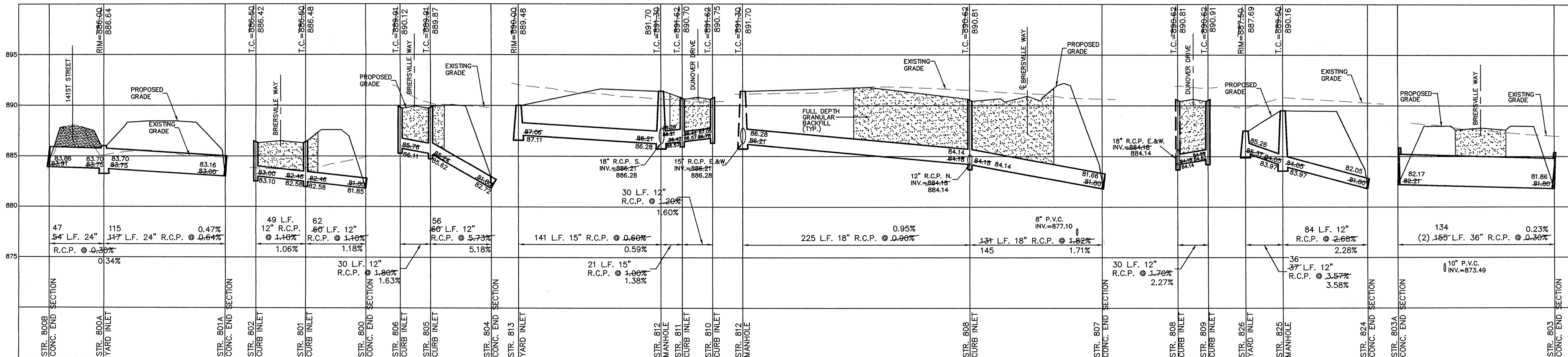
RECORD DRAWING

SCALE: 1" = 50'

David J. Stoepfelwirth
 DAVID J. STOEPFELWIRTH
 Registered Land Surveyor
 No. S0474



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



STORM SEWER PLAN & PROFILE KINGSBOROUGH SECTION ONE

SHEET NO. 5
 JUL 25 1997
 21 SHEETS
 OFFICE OF HAMILTON COUNTY SURVEYOR
 21225

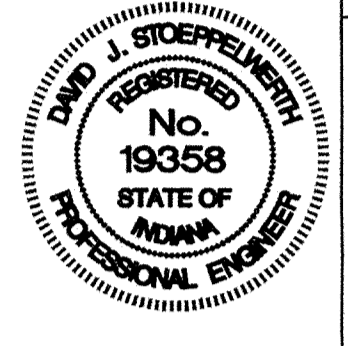
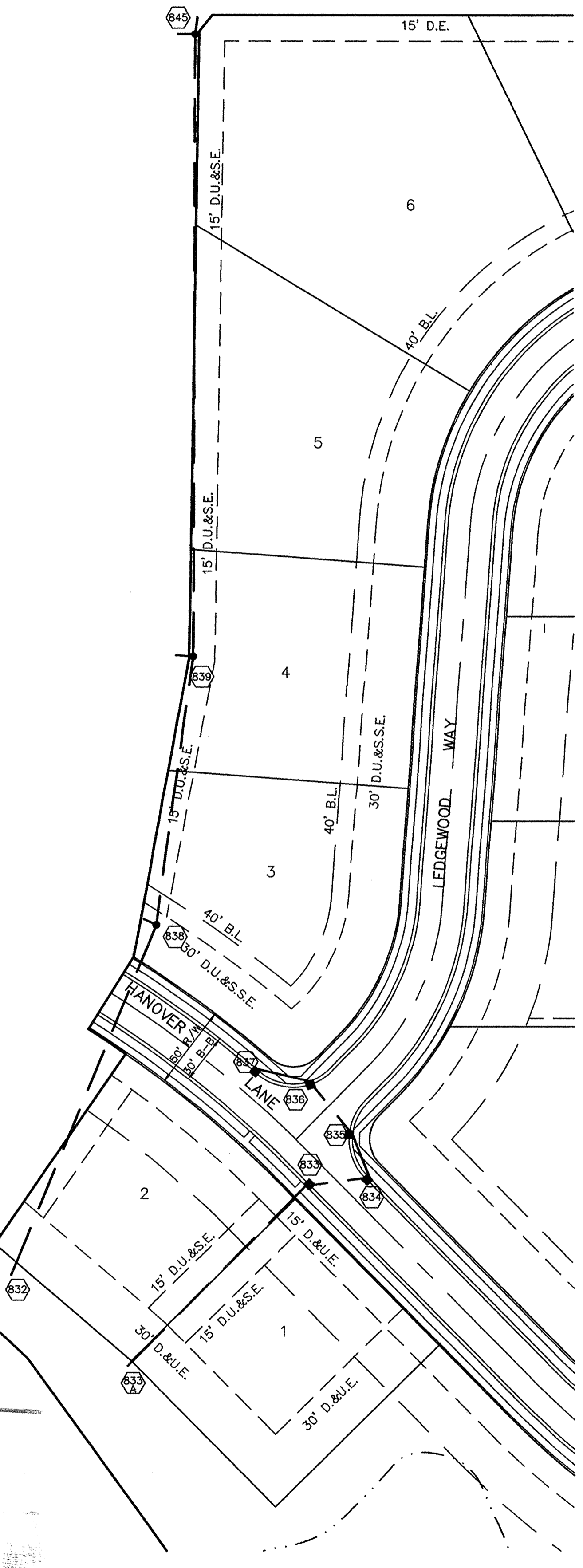
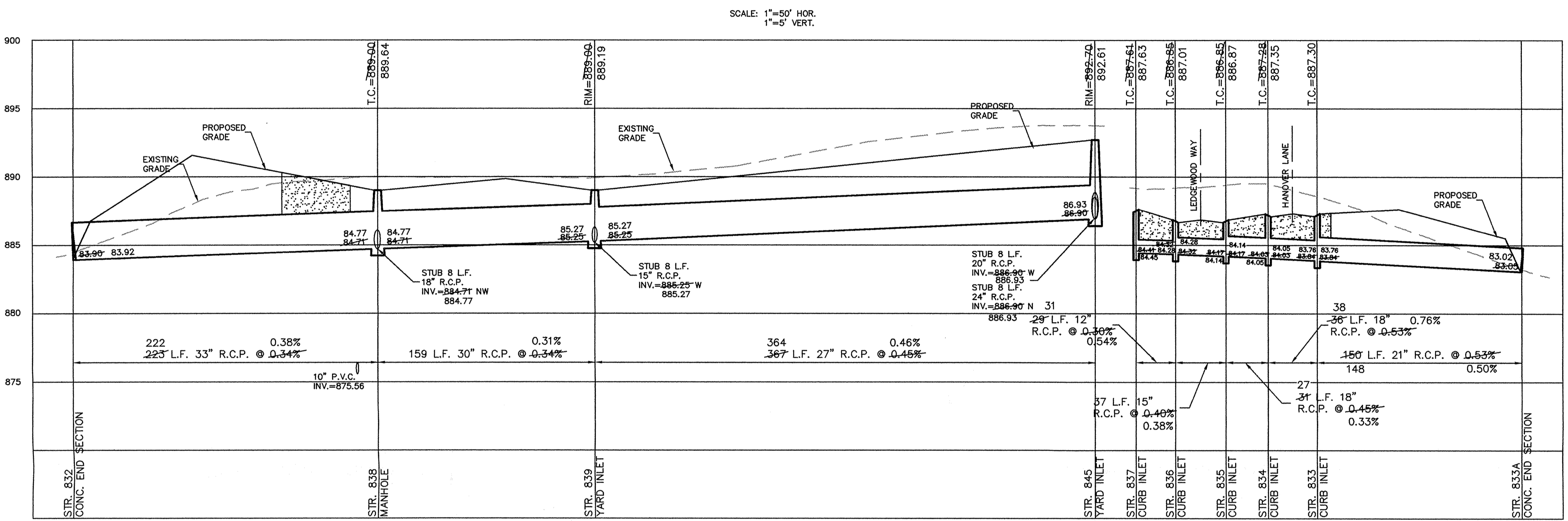
REV.	DATE	BY	REVISIONS
1	5/22/95	JDH	REV. PER AS-BUILTS
2	7/26/96	JDH	REV. PER CO. SURVEYOR
3	9/7/96	JDH	REV. PER DEVELOPER
4	9/7/96	JDH	RENUMBER LOTS 30-35
5	9/7/96	JDH	REV. PER COMMENT LETTERS
6	9/27/95	JDH	REV. PER LANDSCAPE

CERTIFIED: 5/22/95
 David J. Stoepfelwirth
 CONSULTING ENGINEERS - LAND SURVEYORS
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
 INDIANAPOLIS INDIANA



INDIANAPOLIS INDIANA
 CARMEL

OWN BY	PRK	WAB	WAD	1"=50'	DATE	REVISIONS	BY
	7/19/97	7/17/98	7/27/98	5/22/95	MARK		



CERTIFIED: 5/22/95
 David J. Stoepfelwerth

CONSULTING ENGINEERS - LAND SURVEYORS
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STORM SEWER PLAN & PROFILE
 KINGSBOROUGH SECTION ONE
 CARMEL INDIANA

RECORD DRAWING

David J. Stoepfelwerth
 DAVID J. STOEPELWERTH DATE
 Registered Land Surveyor
 No. S0474



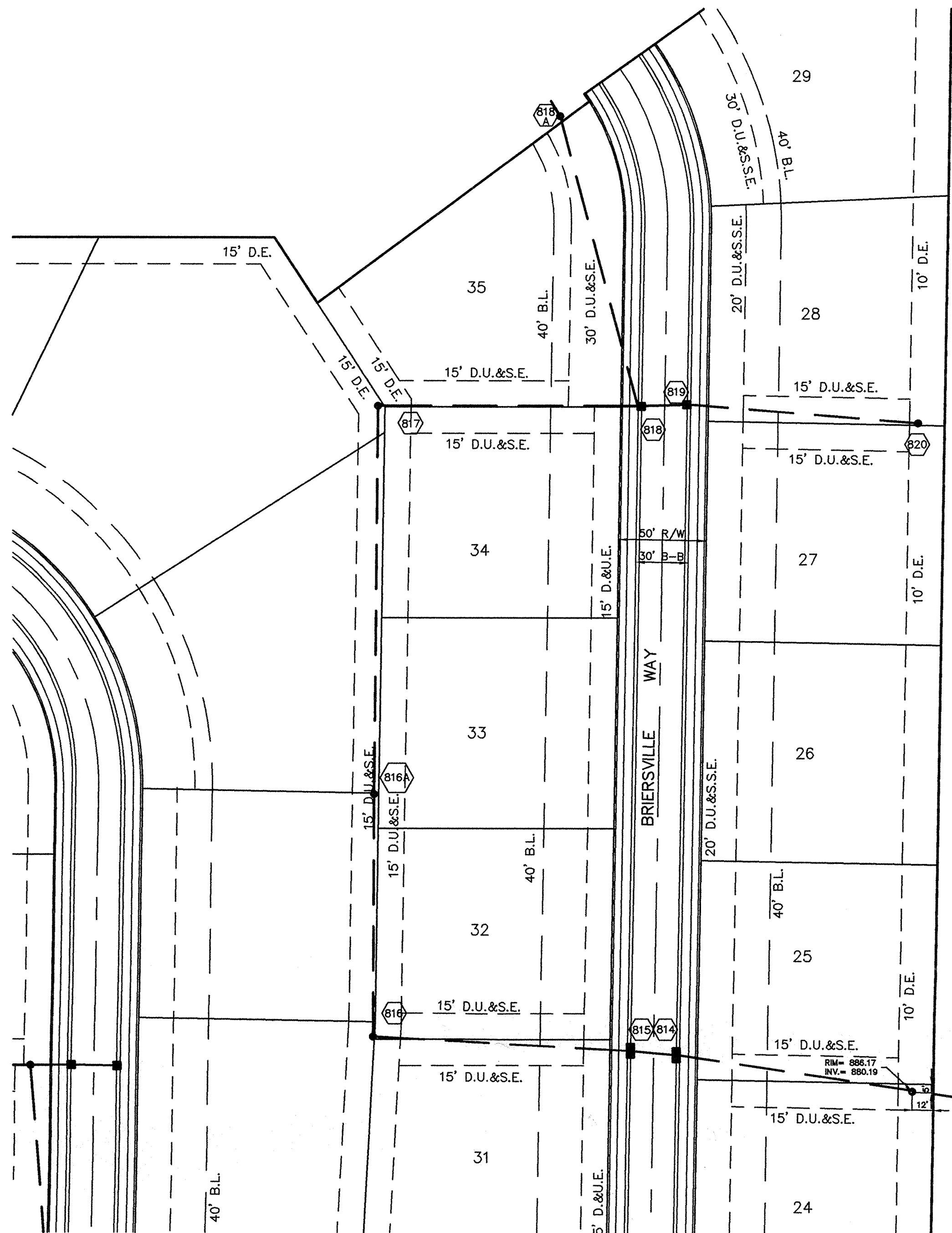
SCALE: 1" = 50'

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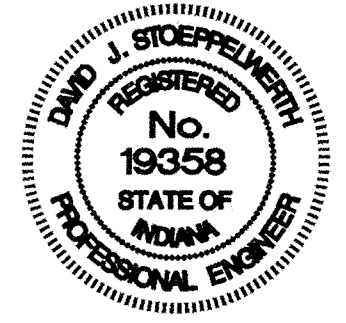
Entry Date: 1-8-04

Entered by: JDH

FILED
 JUL 25 1997
 OFFICE OF HAMILTON COUNTY ENGINEER
 SHEET NO. 10
 OF 21 SHEETS
 JOB NO. 21225

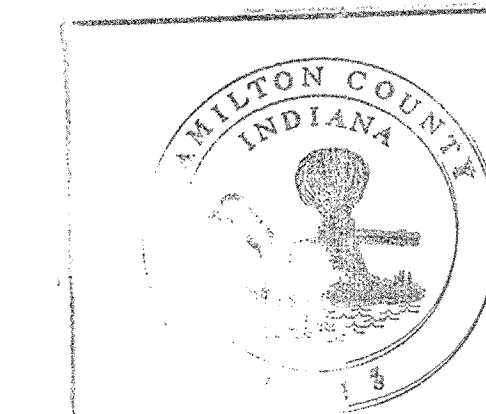


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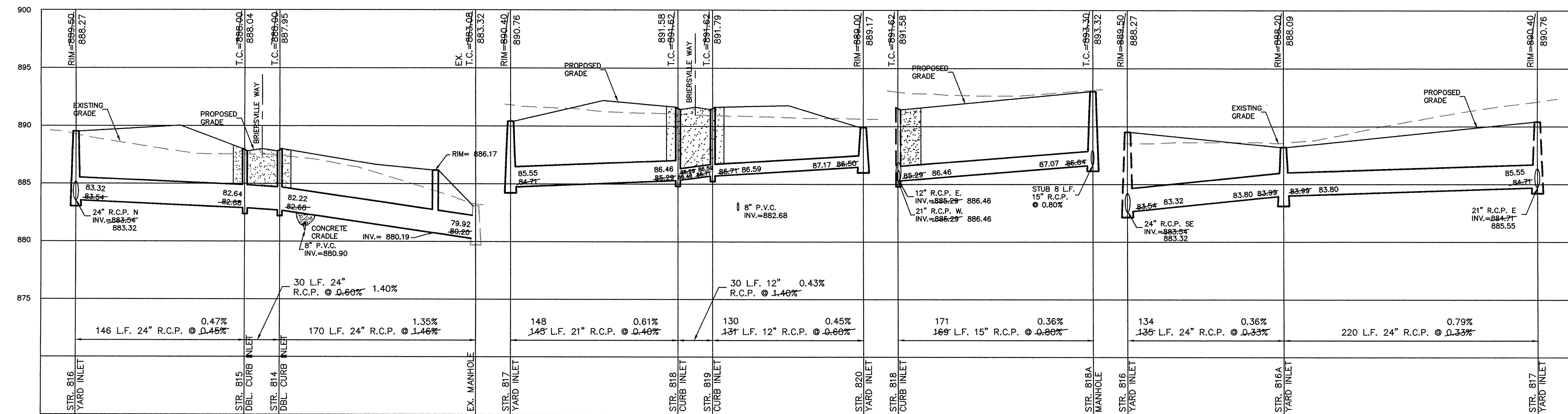
RECORD DRAWING

David J. Stoepelwerth
 DAVID J. STOEPPELWERTH
 Registered Land Surveyor
 No. S0474



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 Entry Date: 1-8-04
 Entered by: JCH

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



STORM SEWER PLAN & PROFILE
 KINGSBOROUGH SECTION ONE
 INDIANA
 CARMEL

FILED
 JUL 25 1997
 OFFICE OF HAMILTON COUNTY SURVEYOR
 SHEET NO. 17
 SHEETS 21
 JOB NO. 21225

DRAWN BY	PKR	OK BY	WAB	SCALE	DATE	REVISIONS
				1"=50'	5/22/95	
CERTIFIED	5/22/95	David J. Stoepelwerth				
CONSULTING ENGINEERS - LAND SURVEYORS						
(317) 849-5935 1-800-728-6917 FAX: (317) 849-5942						
INDIANAPOLIS INDIANA						