

**Drain:** WESTFIELD FARMS DRAIN      **Drain #:** 207  
**Improvement/Arm:** WESTFIELD FARMS - SECTION 2  
**Operator:** JDH      **Date:** 6-23-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 1986

### GIS Drain Input Checklist

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

## Gasb 34 Footages for Historical Cost Drain Length Log

Drain-Improvement: WESTFIELD FARM DRAIN - SECTION 2

Drain Type:	Size:	Length <small>SURVEYED REARS</small>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	5494'	5494'	X		
RCP	12"	354'	354'	X		
	15"	365'	365'	X		
	18"	346'	346'	X		

Sum: 6,559'    6,559'    X

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

Comments:

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SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, Surveyor*

776-9626

Noblesville, Ind. 46060 September 2, 1986

TO: Hamilton County Drainage Board

RE: Westfield Farms Drain, Section 2

Attached is a petition, non-enforcement request, plans, calculations, Engineers Estimate and assessment roll for the Westfield Farms, Section 2 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 benefitted. The drain will consist of the following:

6" Subsurface Drain	5794 feet	Concrete Swale	246 feet
12" RCP	354 feet	18" RCP	376 feet
15" RCP	545 feet	24" RCP	549 feet

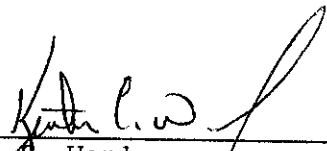
The total length of the drain will be 7864 feet.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I recommend a maintenance assessment of \$30.00 per lot, \$2.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for the drain/this section will \$1200.00

The maintenance of the detention area, other than mowing, will be the responsibility of the Drainage Board. Retention areas will be the maintenance responsibility of the homeowners.

I recommend a hearing be set for November 10, 1986.

KCW/no

  
\_\_\_\_\_  
Kenton C. Ward-  
Hamilton County Surveyor

STATE OF INDIANA )  
 )  
COUNTY OF HAMILTON )

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

In the matter of Westfield Farms Subdivision,  
Section II Drain Petition.

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

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

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

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

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.

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

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

X RLT  
Signed

R. N. Thompson  
Printed Name

\_\_\_\_\_  
Signed

\_\_\_\_\_  
Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE \_\_\_\_\_



**MERCHANTS NATIONAL BANK  
& TRUST COMPANY**

INTERNATIONAL DIVISION

One Merchants Plaza, Suite 770 South  
Indianapolis, Indiana 46255

TELEX 27-411  
TELEPHONE (317) 267-7751

S.W.I.F.T. ADDRESS — MNBUS34  
CABLE ADDRESS — FRENZEL

**STANDBY LETTER OF CREDIT**

Irrevocable Letter of Credit No.: 42713

Date: August 25, 1986

**BENEFICIARY**

HAMILTON COUNTY COMMISSIONERS  
HAMILTON COUNTY DRAINAGE BOARD  
WESTFIELD TOWN BOARD OF TRUSTEES  
Noblesville, Indiana

**FOR ACCOUNT OF**

HEIGHTS DEVELOPMENT CORP.  
234 S. Franklin Rd.  
Indianapolis, IN 46219

We hereby establish our Irrevocable Letter of Credit in your favor, for the account indicated above, for a sum or sums not exceeding an aggregate amount of US\$ 23,000.00 Twenty Three Thousand and 00/100 US Dollars.

Funds are available by your draft(s) at sight drawn on Merchants National Bank & Trust Company of Indianapolis, Indiana.

Drafts are to be accompanied by:

1. The original of this Letter of Credit No. 42713.

All drafts drawn under this Letter of Credit are to be endorsed hereon and shall bear the clause: "Drawn under Merchants National Bank & Trust Company of Indianapolis, Indiana Letter of Credit No. (as indicated above)", and must be drawn and presented on or before August 25, 1987.

We hereby agree with you that all drafts drawn under and in compliance with the terms of this Letter of Credit will be duly honored upon proper presentation.

Except as otherwise expressly stated herein, this credit is subject to the Uniform Customs and Practice for Documentary Credits (1983 Revision), International Chamber of Commerce, Publication No. 400.

Very truly yours,

Authorized Signature

Letter of Credit Specialist  
Title

**FILED**

MAY 29 1987

HAMILTON COUNTY DRAINAGE BOARD

SECRETARY

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

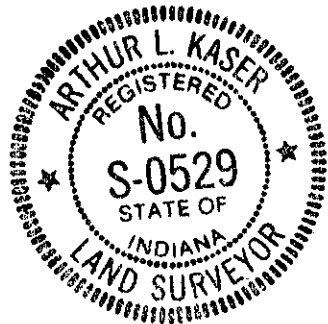
RE: Westfield Farms Section II

I hereby certify that:

- 1.) I am a Registered Land Surveyor in the State of Indiana,
- 2.) I am familiar with the plans and specifications for the above referenced subdivision,
- 3.) I have personally observed and supervised the completion of the Drainage Facilities for the above referenced subdivision, and
- 4.) To the best of my knowledge, information and belief, the Drainage Facilities within the subdivision has been installed and completed in conformity with all plans and specifications.

Signature: Arthur L. Kaser Date: JUNE 30, 1987  
Type or Printed Name: Arthur L. Kaser  
Business Address: 234 S. Franklin Rd.  
Indianapolis, Indiana 46219  
Telephone: 353-6161

SEAL



INDIANA REGISTRATION NUMBER

L.S. No. S0529





SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 August 23, 1988

TO: Hamilton County Drainage Board

RE: Westfield Farms Drain, Section 2

I have inspected the drainage facilities for the Westfield Farms, Section 2 Drain and have found them to be complete and acceptable. The Project Engineer has submitted the Certificate of Completion and Compliance and "As Built" Drawings on reproducible mylar of the drainage system.

One change was made during the construction of this phase. The 6" subsurface tile along 146th Street was not constructed. This was done because the field tile thought to be located on Lot 15 from the West was not located. The new length of 6" SSD in now 5494 feet .

The off site storm sewer which was included with this section in my original report dated September 2, 1986 is not included with this approval. This portion of the storm system will be included with the approval of Section 3. The portion not included here begins with STR 27 and includes those sections between STR 27 to STR 36 as shown on sheet 7. This shall consist of 246 feet of concrete swale, 30 feet of 18" RCP, 180 feet of 15" RCP and 349 feet of 24" RCP. The new length of drain shall be as follows:

6" SSD	5494ft	15" RCP	365ft
12" RCP	354ft	18" RCP	346ft

The new total length is 6559 feet.

Not mentioned in the original report dated September 2, 1986 is the fact that the subsurface drain (SSD) along the curb is part of the regulated drain.

**FILED**

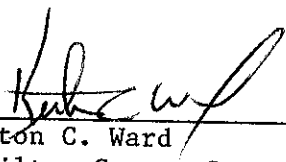
SEP 12 1988

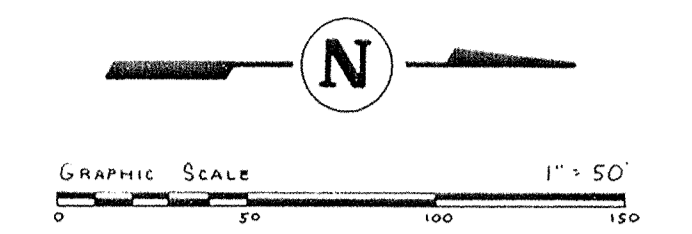
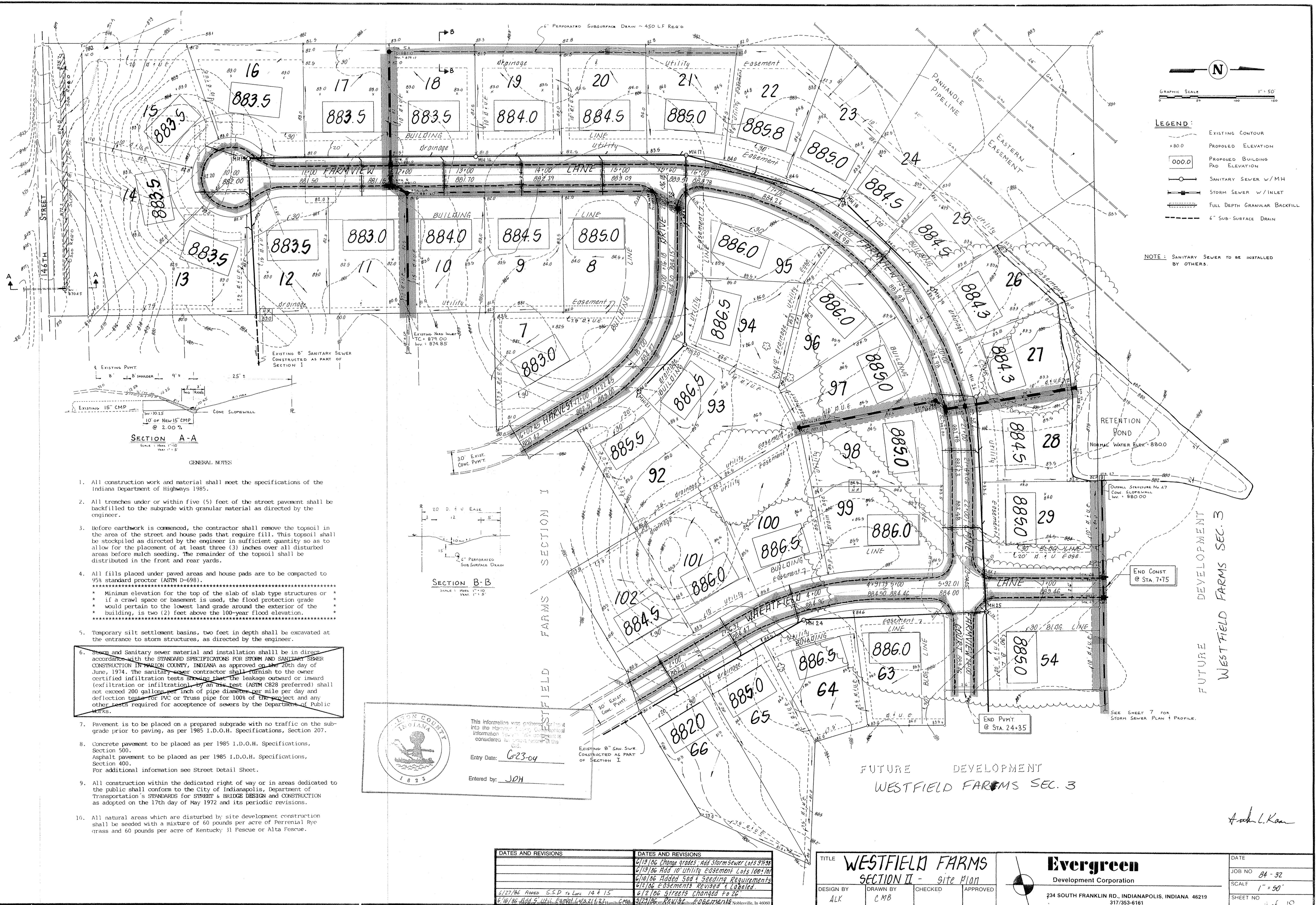
HAMILTON COUNTY DRAINAGE BOARD

*Nancy Lee Shelton*  
SECRETARY

At this time I recommend the Board approve the drainage facilities as constructed. I further recommend that the non-enforcement request for this plat be approved by the Board.

KCW/no

  
\_\_\_\_\_  
Kenton C. Ward  
Hamilton County Surveyor



- LEGEND:**
- - - - - EXISTING CONTOUR
  - x 80.0 PROPOSED ELEVATION
  - 000.0 PROPOSED BUILDING PAD ELEVATION
  - SANITARY SEWER W/ MH
  - STORM SEWER W/ INLET
  - FULL DEPTH GRANULAR BACKFILL
  - - - - - 6" SUB-SURFACE DRAIN

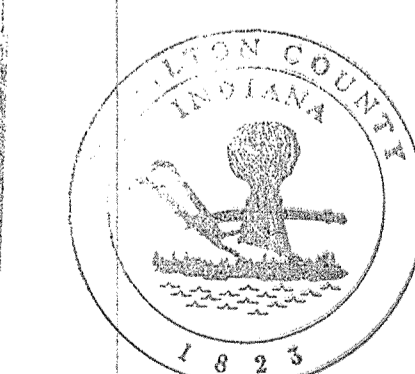
**NOTE:** SANITARY SEWER TO BE INSTALLED BY OTHERS.

**SECTION A-A**  
SCALE: HORIZ. 1" = 10' VERT. 1" = 5'

GENERAL NOTES

1. All construction work and material shall meet the specifications of the Indiana Department of Highways 1985.
2. All trenches under or within five (5) feet of the street pavement shall be backfilled to the subgrade with granular material as directed by the engineer.
3. Before earthwork is commenced, the contractor shall remove the topsoil in the area of the street and house pads that require fill. This topsoil shall be stockpiled as directed by the engineer in sufficient quantity so as to allow for the placement of at least three (3) inches over all disturbed areas before mulch seeding. The remainder of the topsoil shall be distributed in the front and rear yards.
4. All fills placed under paved areas and house pads are to be compacted to 95% standard proctor (ASTM D-698).
  - \* Minimum elevation for the top of the slab of slab type structures or
  - \* If a crawl space or basement is used, the flood protection grade
  - \* would pertain to the lowest land grade around the exterior of the
  - \* building, is two (2) feet above the 100-year flood elevation.
5. Temporary silt settlement basins, two feet in depth shall be excavated at the entrance to storm structures, as directed by the engineer.
6. Storm and Sanitary sewer material and installation shall be in direct accordance with the STANDARD SPECIFICATIONS FOR STORM AND SANITARY SEWER CONSTRUCTION IN MARION COUNTY, INDIANA as approved on the 20th day of June, 1974. The sanitary sewer contractor shall furnish to the owner certified infiltration tests showing that the leakage outward or inward (exfiltration or infiltration) by an infiltration test (ASTM C828 preferred) shall not exceed 200 gallons per inch of pipe diameter per mile per day and deflection tests for PVC or Truss pipe for 100% of the project and any other tests required for acceptance of sewers by the Department of Public Works.
7. Pavement is to be placed on a prepared subgrade with no traffic on the subgrade prior to paving, as per 1985 I.D.O.H. Specifications, Section 207.
8. Concrete pavement to be placed as per 1985 I.D.O.H. Specifications, Section 500. Asphalt pavement to be placed as per 1985 I.D.O.H. Specifications, Section 400. For additional information see Street Detail Sheet.
9. All construction within the dedicated right of way or in areas dedicated to the public shall conform to the City of Indianapolis, Department of Transportation's STANDARDS for STREET & BRIDGE DESIGN and CONSTRUCTION as adopted on the 17th day of May 1972 and its periodic revisions.
10. All natural areas which are disturbed by site development construction shall be seeded with a mixture of 60 pounds per acre of Perennial Rye grass and 60 pounds per acre of Kentucky 31 Pescue or Alta Pescue.

**SECTION B-B**  
SCALE: HORIZ. 1" = 10' VERT. 1" = 5'



This information was gathered from the files of the Marion County Engineer and is considered accurate and correct as of the date hereon.

Entry Date: 6-23-04

Entered by: JDH

DATES AND REVISIONS	
6/12/06	Added S.S.D. to Lot 14 & 15
6/16/06	Added 9" Utility Easement to Lots 21 & 22
6/23/06	Revised Easements
6/13/06	Change grades; Add Storm Sewer to Lots 97 & 98
6/13/06	Add 10' Utility Easement to Lots 100 & 101
6/10/06	Added Sod & Seeding Requirements
6/13/06	Easements Revised & Labeled
6/12/06	Streets Changed to 36'
6/23/06	Revised Easements

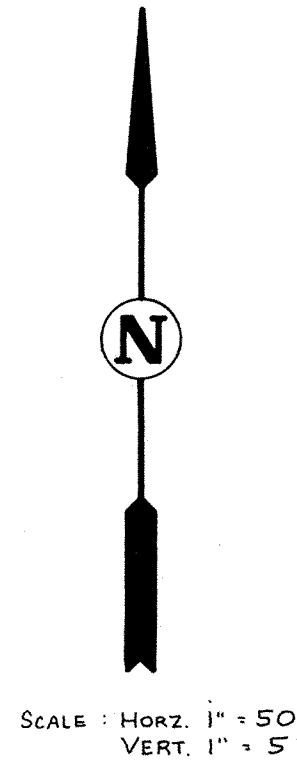
TITLE <b>WESTFIELD FARMS SECTION II - site plan</b>			
DESIGN BY ALK	DRAWN BY CMB	CHECKED	APPROVED

**Evergreen**  
Development Corporation

234 SOUTH FRANKLIN RD., INDIANAPOLIS, INDIANA 46219  
317/353-6161

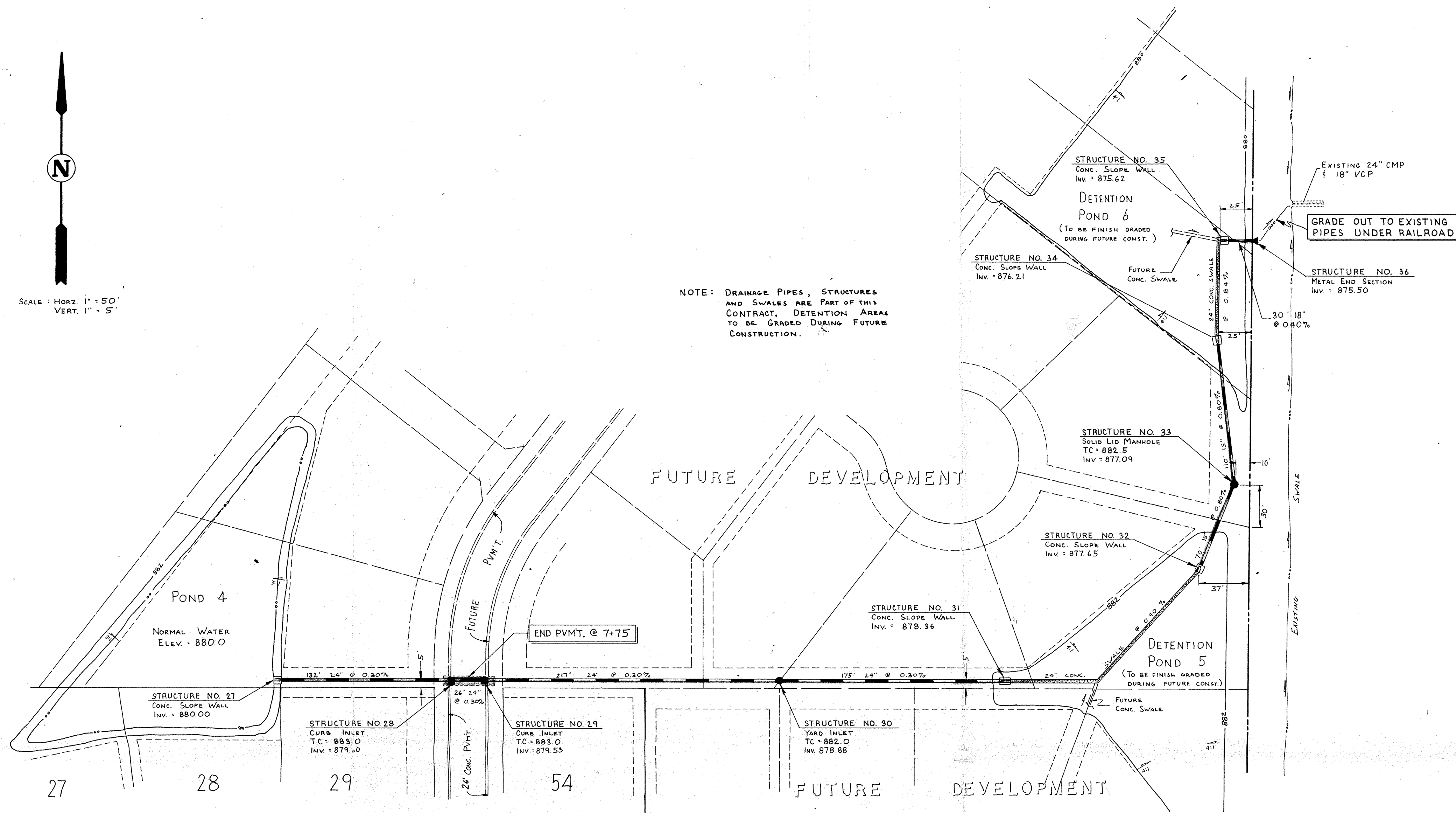
DATE	JUN 23 2004
JOB NO	84-32
SCALE	1" = 50'
SHEET NO	1 of 10

*Arch L. Kan*



PLAN  
 SURVEYED BY: [blank]  
 PLOTTED BY: [blank]  
 NOTE BOOK: [blank]  
 NO. OF V.A. SHEETS: [blank]

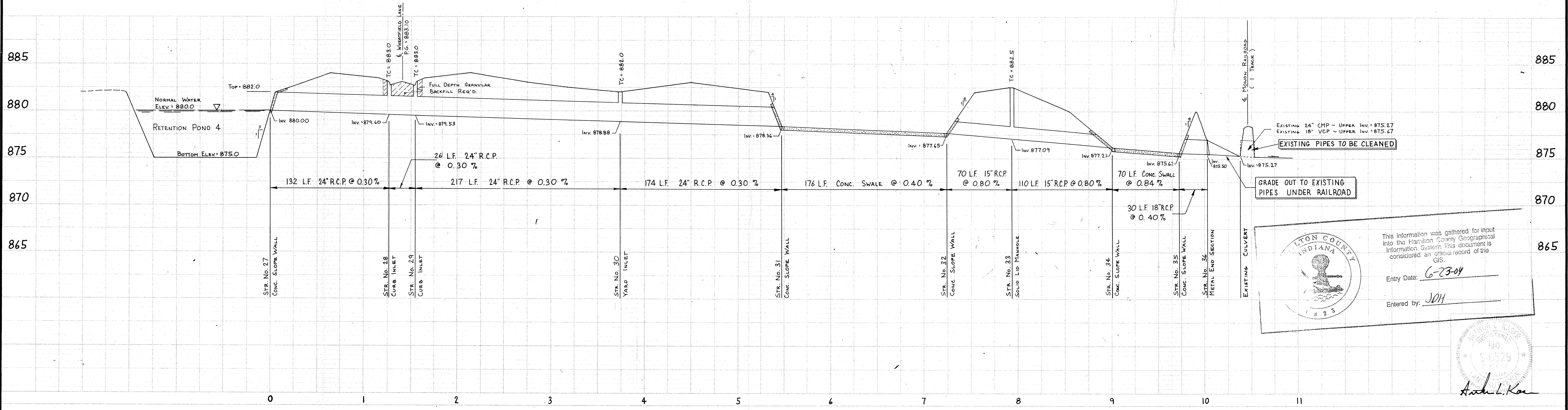
NOTE: DRAINAGE PIPES, STRUCTURES AND SWALES ARE PART OF THIS CONTRACT. DETENTION AREAS TO BE GRADED DURING FUTURE CONSTRUCTION.



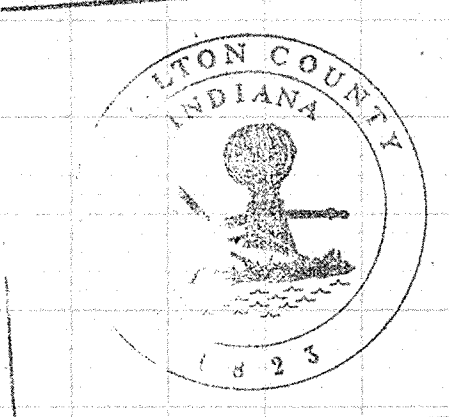
STRUCTURE DATA

Str. No.	Type	Casting Type	Casting Elev.	Inv. In	Inv. Out	Casting Capacity	Inflow
5a	Yard Inlet	R-2560-E1	881.00		879.01	8.30 cfs	4.68 cfs
5	Curb Inlet	R-3501-TR	881.00	878.29	878.29	4.00 "	4.32 "
6	Double Curb Inlet	R-3501-TR & TL	881.00	878.08	878.08	8.00 "	6.17 "
6a	Solid Lid MH	R-1077-A	881.60	877.60	877.60	0 "	0 "
24	Double Curb Inlet	R-3501-TR & TL	882.80	880.40	880.40	8.00 "	6.00 "
25	Curb Inlet	R-3501-TL	882.80	880.10	880.00	4.00 "	3.43 "
26	Metal End Section				878.50		
27	Conc. Slope Wall			880.00			
28	Curb Inlet	R-3501-TL	883.00	879.61	879.61	4.00 cfs	0.54 cfs
29	Curb Inlet	R-3501-TR	883.00	879.52	879.52	4.00 "	0.45 "
30	Yard Inlet	R-2560-E1	882.00	878.88	878.88	8.30 "	1.71 "
31	Conc. Slope Wall				878.36		
32	Conc. Slope Wall			877.65			
33	Solid Lid MH	R-1077-A	882.50	877.09	877.09	0 cfs	0 cfs
34	Conc. Slope Wall				877.21		
35	Conc. Slope Wall			875.62			
36	Metal End Section				875.50		
37	Curb Inlet	R-3501-TL	883.41		880.70	4.00 cfs	1.54 cfs
38	Curb Inlet	R-3501-TL	883.10	880.10	880.10	4.00 "	0.60 "
24A	Solid Lid MH	R-1077-A	883.50	880.43	880.43	0 "	0 "
24B	Yard Inlet	R-2560-E1	883.00		881.30	8.30 "	3.00 "

PROFILE  
 SURVEYED BY: [blank]  
 PLOTTED BY: [blank]  
 NOTE BOOK: [blank]  
 NO. OF V.A. SHEETS: [blank]



EXISTING 24" CMP - UPPER INV. 875.27  
 EXISTING 18" VCP - UPPER INV. 875.67  
 EXISTING PIPES TO BE CLEANED  
 GRADE OUT TO EXISTING PIPES UNDER RAILROAD  
 EXISTING CULVERT  
 SE POND 4 RAILROAD TRACK



DATES AND REVISIONS		TITLE			
6/16/86	Revise Structure Data	STORM SEWER PLAN AND PROFILE AND STRUCTURE DATA WESTFIELD FARMS SECTION II			
1/13/86	Called for exact pipes to be cleaned	DESIGN BY	DRAWN BY	CHECKED	APPROVED
1/12/86	Rev. Str. 28 & 29 Location	ALK	ALK		

**Evergreen**  
 Development Corporation  
 234 SOUTH FRANKLIN RD., INDIANAPOLIS, INDIANA 46219  
 317/353-6161

DATE	4/19/86
JOB NO.	84-32
SCALE	Horiz. 1" = 50' Vert. 1" = 5'
SHEET NO.	7 of 10