

**Drain:** CALUMET FARMS DRAIN      **Drain #:** 319  
**Improvement/Arm:** CALUMET FARMS - SECTION 1  
**Operator:** JDH      **Date:** 10-30-03  
**Drain Classification:** Urban/Rural      **Year Installed:** 1999

### GIS Drain Input Checklist

- Digitize & Attribute Tile Drains      N/A
- Digitize & Attribute Storm Drains      JDH 10-30
- Digitize & Attribute SSD      JDH 10-31
- Digitize & Attribute Open Ditch      JDH 10-31
- Sum drain lengths & Validate      JDH 10-31
- Enter Improvements into Posse      JDH 10-31
- Enter Drain Age into Posse      done ✓ slw
- Sum drain length for Watershed in Posse      done ✓ slw
- Stamp Plans      JDH 10-31
- Pull Source Documents for Scanning      JDH 10-31

12-30-03 OKay - Suzanne L. Mills ✓

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

Drain-Improvement: CALUMET FARMS DRAIN - SECTION 2

Drain Type:	Size:	Length ( )	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	5422'	5422'	∅		
RLP	21"	242'	242'	∅		
	24"	337'	337'	∅		
CMP	8"	20'	20'	∅		
	12"	141'	141'	∅		
	30"	100'	100'	∅		
OPEN DITCH		290'	290'	∅		

Sum:        6552      6552      ∅        \_\_\_\_\_

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

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

No action was needed.

Mr. Howard entered during this discussion.

Cool Creek Interlocal Agreement:

The Surveyor presented the Board with an Interlocal Agreement between the City of Carmel, the Town of Westfield and the Hamilton County Drainage Board for a study to be done on Cool Creek. He stated that the Town of Westfield had already signed the document and that the City of Carmel would be signing the agreement at the next City of Carmel Public Works Meeting. He stated that all three entities had a chance to review the agreement and make corrections. The Surveyor stated that he recommended that the Board approve the agreement and sign the document.

Mr. Howard stated that the only change made was that everyone wanted to put a cap on the liability for each entity. Mr. Howard stated that the Surveyor had believed that the cap was well within what he expected that the proposals would be. If the cost would exceed the cap an addendum would be needed.

Mr. Holt asked what the purposed of the study was?

The Surveyor stated that the study was to examine the Cool Creek drainage basin for the upper area, which is under Westfield's jurisdiction now, to put some restrictions on that area, if needed, for additional retainage for storm water. The study would also review some problem areas in the Carmel area to try to find a solution for the problems.

Mr. Holt asked what kind of problems?

The Surveyor stated that there were problems with erosion. He stated that the only flooding he was aware of was on the golf courses. He stated that was a minor concern.

Mr. Holt made the motion to approve the agreement, seconded by Mr. Dillinger and approved.

Mrs. Clark entered near the end of this discussion.

Calumet Farms Drain Hearing:

The Surveyor presented his report to the Board for approval.

"To: Hamilton County Drainage Board January 20, 2000

Re: Calumet Farms Drain

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Calumet Farms 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-4,822 Feet	18" RCP-30 Feet	Open Ditch 290 Feet
8" CMP- 20 Feet	21" RCP-652 Feet	
12" CMP- 141 Feet	30" CMP-100 Feet	

The total length of the drain will be 6,055 feet.

The portions of the SSD lengths shown above which are within the right of way of Sweetgrass Lane shall include the roadside ditch as part of the regulated drainage facilities. The 12" CMP shown above is that portion of the drainage system which runs South under Forest Bay Lane across Lot 121, Forest Bay Estates, Section 3, and terminates in the Open Ditch (J. H. Leap). The open ditch shown above is that portion of the open ditch which runs across lots 22 and 23 of Forest Bay Estates, Section 1. The regulated drain shall end on the East side of the 30" CMP under Forest Bay Lane.

The retention pond (lake) located in the Common Area is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the Homeowners Association. The Board will however, retain

jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. Only the main SSD lines, which are located within the easement/right of way, are to be maintained as regulated drain. Laterals for 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:

Through retention area in Common Area; Rear of Lots 7, 8, and 9; North side of Lot 10; East line of Lot 7; East line of Lots 1 and 2; South line of Lot 2; North line of Lots 4 and 5; and East line of Common Area.

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 \$75.00 per lot, \$5.00 per acre for roadways, with a \$75.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,050.00.

Lot 10 may also be assessed for the J. H. Leap 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.

The portions of drain which will run across lots 22, 23, 31 and 34 in section 1 of Forest Bay Estates and Lot 121 of Forest Bay Estates, Section 3 are within the platted easements for Forest Bay Estates. No additional easements will be required.

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 widths as shown on the secondary plat for Calumet Farms as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for February 28, 2000.

Kenton C. Ward  
Hamilton County Surveyor

KCW/llm

Mr. Holt made the motion to approve the surveyor's report, seconded by Mrs. Clark and approved unanimously

"

#### FINDINGS AND ORDER

#### CONCERNING THE MAINTENANCE OF THE

#### Calumet Farms Drain

On this *28th day of February 2000*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Calumet Farms Drain*.

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.

Shuck Corporation  
 PO Box 188, Indianapolis, Indiana 46206  
 3050 South Harding, Indianapolis, Indiana 46217  
 317.786.9818  
 317.786.9884 FAX



CALUMET FARMS  
 COST BREAKDOWN  
 September 17, 1999

Asphalt (Stone Base and Binder)	\$ 35,000.00
Relocate Power Pole	1,500.00
- Permits/Signage/Traffic Control	5,160.00
- Erosion Control	10,290.00
Site Preparation (Clearing/Removal/Stone Entrance)	10,380.00
- Storm Sewer and Structures	46,400.00
- Perforated Drain and Drainage Swales	50,700.00
Site Grading (Road Bed/Detention Cut/Berm/Site Cut and Fill)	51,420.00
Seeding and S-75 Blanket	<u>20,150.00</u>
	\$231,000.00
Asphalt Surface Estimate	<u>9,250.00</u>
	\$240,250.00
Based on Additional Review of Project	DEDUCT <u>(24,550.00)</u>
	TOTAL \$215,700.00
	<u>(3,000.00) AW</u>
	\$ 212,700.00 AWS

*10/6/99 Additional Stone Credit*

Maintenance bond will be an additional cost. Cost to be determined after the county establishes the value. For estimate purposes use \$2,000.00

General Contractors • Construction Managers

**FB Fifth Third Bank**

INTERNATIONAL DEPARTMENT  
38 Fountain Square Plaza / Cincinnati, Ohio 45263  
Phone (513) 579-5220



Cable address: FIFTH THIRD

Telex number: 21-4567

ISSUING BANK:  
Fifth Third Bank  
International Division  
38 Fountain Square Plaza  
Cincinnati, Ohio 45263

IRREVOCABLE STANDBY CREDIT  
NUMBER: SB11804

PAGE 1 of 2

PLACE AND DATE OF ISSUE  
Cincinnati, Ohio 45263  
20 Oct. 1999

EXPIRY DATE AND PLACE FOR PRESENTATION  
OF DOCUMENTS: 20 Oct. 2000  
Our counters

APPLICANT:  
LANDIR DEVELOPMENT COMPANY, INC.  
809 N. DELAWARE STREET  
INDIANAPOLIS, IN 46204

BENEFICIARY:  
BOARD OF HAMILTON COUNTY  
COMMISSIONERS  
ONE HAMILTON COUNTY SQUARE, NO. 146  
NOBLESVILLE, IN 46060-2230

AMOUNT: USD128,300.00  
One hundred twenty eight thousand  
three hundred and 00/100  
United States Dollars

WE HEREBY ISSUE IN YOUR FAVOR THIS STANDBY LETTER OF  
CREDIT WHICH IS AVAILABLE BY PAYMENT OF YOUR DRAFT(S) AT  
SIGHT ON THE FIFTH THIRD BANK, CINCINNATI, OHIO, U.S.A.,  
ACCOMPANIED BY THE FOLLOWING DOCUMENTS AND THIS ORIGINAL  
LETTER OF CREDIT:

BENEFICIARY'S SIGNED STATEMENT CERTIFYING THAT "THE  
CONSTRUCTION OF EROSION CONTROL, STORM SEWERS (INCLUDING PAVED  
DITCHES) DRAIN SWALES AND SUB-SURFACE DRAIN, MONUMENTS, IN  
ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS IN  
CALUMET FARMS SUBDIVISION, HAMILTON COUNTY HAS NOT BEEN  
COMPLETED BY LANDIR DEVELOPMENT COMPANY, INC. AND THAT SUCH  
FUNDS ARE NECESSARY TO COMPLETE SUCH CONSTRUCTION".

THE BANK SHALL NOT BE CALLED UPON TO DETERMINE QUESTIONS OF  
FACT OR LAW AT ISSUE BETWEEN THE BANK'S CUSTOMER AND THE  
BENEFICIARY OF THIS LETTER OF CREDIT.

BOARD OF COMMISSIONERS  
OF THE COUNTY OF HAMILTON

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

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

DATE \_\_\_\_\_

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".

38 Fountain Square Plaza / Cincinnati, Ohio 45263  
Phone (513) 579-5220

Cable address: FIFTH THIRD

Telex number: 21-4567

NUMBER SB11804  
PAGE 2 of 2

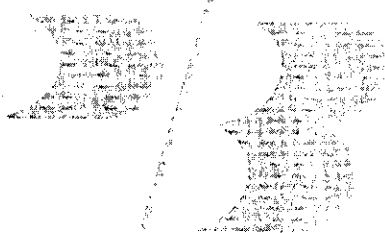
DRAFT MUST BEAR THE CLAUSE: "DRAWN UNDER LETTER OF CREDIT  
NO. SB11804 OF THE FIFTH THIRD BANK, CINCINNATI, OHIO."

WE HEREBY ENGAGE WITH YOU THAT DRAFTS DRAWN UNDER AND IN  
COMPLIANCE WITH THE TERMS OF THIS CREDIT WILL BE DULY  
HONORED ON PRESENTATION TO THE DRAWEE IF NEGOTIATED OR  
PRESENTED ON OR BEFORE EXPIRY DATE.

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

  
Authorized Signature

  
Authorized Signature



Except 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".

**FILED**

OCT 27 1999

**OFFICE OF HAMILTON COUNTY SURVEYOR**



CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: CALUMET FARMS - "AS-BUILTS"

I hereby certify that:

- 1. I am a Registered ~~Land Surveyor or~~ Engineer 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 .
- 4. The drainage facilities within the above referenced subdivision to the best of my knowledge , information and belief have been installed and completed in comformity with all plans and specifications .

Signature: Jay B. Gibson Date: 12/08/2000

Type or Print Name: JAY B. GIBSON, P.E.

Business Address: 1500 W. OAK STREET - SUITE 300  
ZIONSVILLE, IN 46077

Telephone Number: (317) 873-9360

SEAL

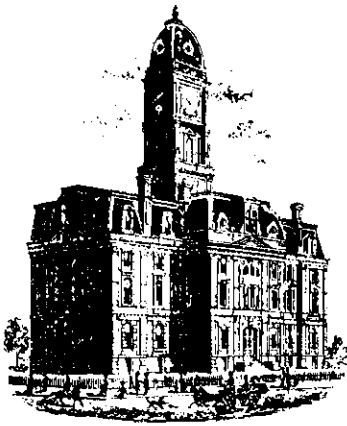


INDIANA REGISTRATION NUMBER

920005 FILED

DEC 18 2000

OFFICE OF HAMILTON COUNTY SURVEYOR



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**

**October 31, 2003**

**Re: Calumet Farms Drain**

Attached are as-builts, certificate of completion & compliance, and other information for Calumet Farms. 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 January 20, 2000. The report was approved by the Board at the hearing held February 28, 2000. (See Drainage Board Minutes Book 5, Pages 320-321) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
3		837				
4	838.66	836.5	21	35		
4	838.66	834.68				
5	837.89	834.76	24	130	132	-2
5	837.89	833.76				
6		832.27	24	207	265	-58
7		841.3				
8		840.5	21	192	200	-8
9		839.31				
10		839.13	21	15	20	-5
Str 1 -2				Not	Constructed	-30

**6" SSD:**

Sweetgrass Ln	1734
Lot 3	496
Lot 1-2	800
Lot 4-5	382
Lots 7-9	1150
Lot 9	496
Lot 10	364
<b>Total:</b>	<b>5422</b>

**RCP Pipe**

**Totals:**

21	242
24	337
<b>Other Drain:</b>	
8" CMP	20
12" CMP	141
30" CMP	100
Open Ditch	290
<b>Total:</b>	<b>1130</b>

The length of the drain due to the changes described above is now **6,552 feet**.

The non-enforcement was approved by the Board at its meeting on February 28, 2000 and recorded under instrument #2003-00011413.

The following sureties were guaranteed by Fifth Third Bank and released by the Board on its September 23, 2002 meeting.

**Bond-LC No:** SB11804

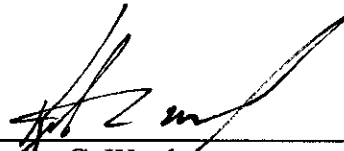
**Insured For:** Storm Sewers, Erosion Control, SSD & Monuments

**Amount:** \$128,300.00

**Issue Date:** October 20, 1999

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

Sincerely,

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

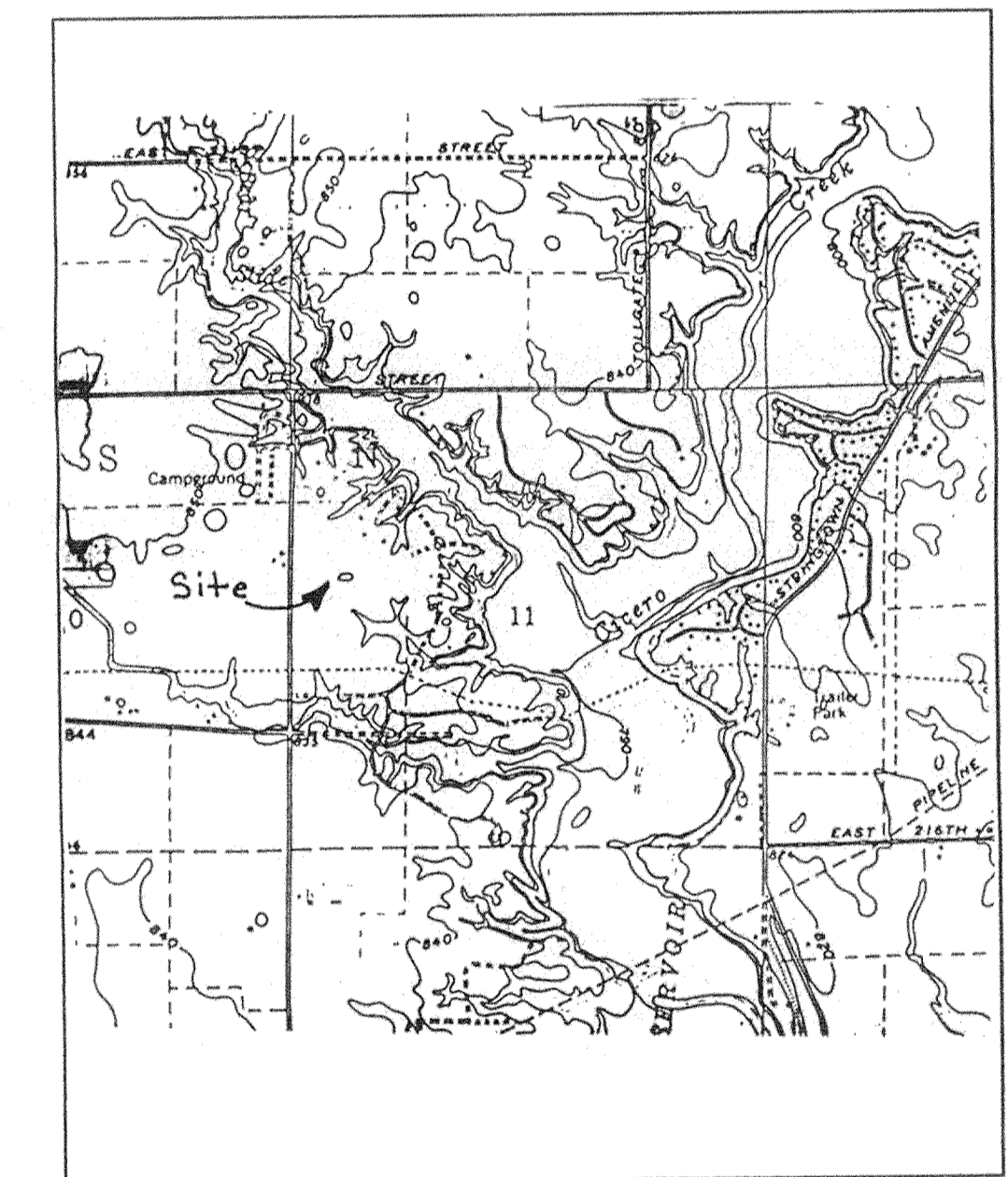
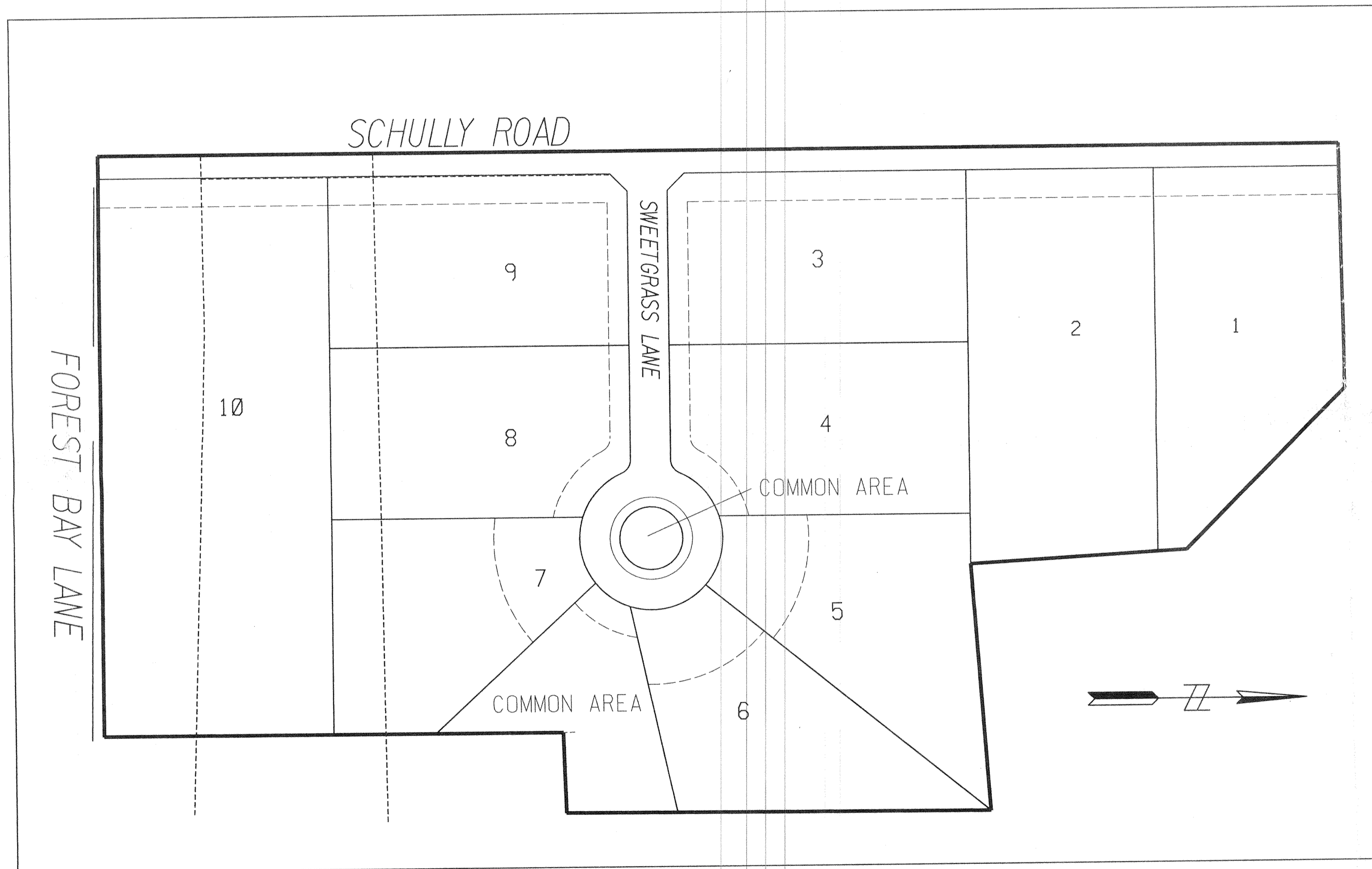
Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm

# AS-BUILT ~~CONSTRUCTION~~ PLANS FOR CALUMET FARMS SUBDIVISION JACKSON TOWNSHIP, HAMILTON COUNTY, IN

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	<del>BOUNDARY SURVEY</del>
3	SITE PLAN
4	DEVELOPMENT PLAN
5	<del>EROSION CONTROL PLAN</del>
6	<del>EROSION CONTROL DETAILS</del>
7	<del>STREET PROFILES</del>
8	<del>DRAINAGE PROFILES</del>
9	<del>ENTRANCE DETAIL</del>
10	<del>TRAFFIC CONTROL PLAN</del>
11	<del>SPECIFICATIONS</del>
12	<del>CONSTRUCTION DETAILS</del>

REVISIONS	
DATE	DESCRIPTION
2-9-99	REV. PER COMMENTS
4-2-99	REV. PER COMMENTS
4-12-99	REV. PER COMMENTS
4-27-99	REV. PER COMMENTS
6-16-99	REV. PER SURVEYORS COMMENTS
9-1-00	REV. PER AS-BUILTS



LOCATION MAP

DESIGN DATA SECTION ONE  
 LOTS = 10  
 ACREAGE = 47.61 +/-  
 STREETS: SWEETGRASS LANE 70' R/W  
**DESIGN SPEED = 20 MPH**  
 SCHOOL DISTRICT: HAMILTON HEIGHTS

PREPARED FOR:  
**LANOIR DEVELOPMENT**  
 9100 PURDUE ROAD  
 INDIANAPOLIS, IN 46268  
 PHONE: (317) 802-6015 ( STEVE LEATHERMAN)

PREPARED BY:  
**CDG**  
**CONSULTING L.L.C.**  
RESIDENTIAL - COMMERCIAL  
 COMPLETE SITE DEVELOPMENT SERVICES

BENCHMARK DESCRIPTION:  
 1M12 - Harrison Monument Set at the intersection of Mill Creek Road and 226th Street. Monument is set in 8" pvc with Bernsten Ltd

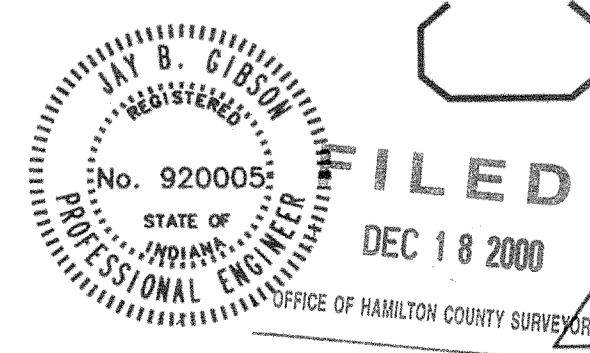
1500 WEST OAK STREET, SUITE #300 ZIONSVILLE, INDIANA 46077  
 TELEPHONE: (317) 873-9360 FAX: (317) 873-9362



## AS-BUILTS

CERTIFIED THIS 20<sup>TH</sup> DAY OF SEPT. 2000

*Jay B. Gibson - "As-Builts"*  
 Jay B. Gibson  
 Registered Professional Engineer No. 920005-Indiana

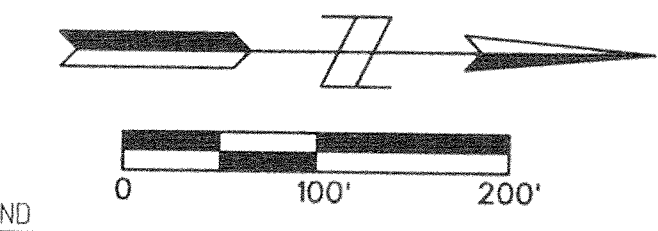


SHEET 1 OF 12

C9724

ELEV. - 850.30 (NGVD, 1929)

CALUMET FARMS SUBDIVISION



**LEGEND**  
 B.S.L. - BUILDING SETBACK LINE  
 R.B.S.L. - REAR BUILDING SETBACK LINE  
 U. & D.E. - UTILITY & DRAINAGE EASEMENT  
 L.S.E. - LANDSCAPING EASEMENT  
 L.M.E. - LAKE MAINTENANCE EASEMENT  
 AC. - ACRES  
 SFT. - SQUARE FEET

**LEGEND**

⊕	DRAIN RISER	⊕	FIRE HYDRANT
⊙	STEEL POWER POLE OR UTILITY POLE	⊙	U. & D.E. UTILITY & DRAINAGE EASEMENT
—	GAS PIPELINE	—	L.M.E. LAKE MAINTENANCE EASEMENT
⊙	GAS PIPELINE WARNING MARKER	—	AC. ACRES
—	OVERHEAD POWER LINES	—	SFT. SQUARE FEET
⊕	TELEPHONE PEDESTAL	⊕	B.S.L. BUILDING SETBACK LINE
⊕	SANITARY SEWER (AIR RELEASE VALVE)	⊕	R.B.S.L. REAR BUILDING SETBACK LINE
⊕	WATER METER	—	FENCE LINE
⊕	UNDERGROUND TELEPHONE LINE WARNING MARKER	—	UNDERGROUND TELEPHONE LINE
⊕	SANITARY SEWER MANHOLE	⊕	STORM SEWER MANHOLE
⊕	STORM SEWER END SECTION	⊕	METAL TOWER FOR ELECTRIC TRANSMISSION LINE
□	PROPOSED BUILDING SITE	□	PROPOSED FINISHED FLOOR ELEVATION

**LAND DESCRIPTION**  
 A part of the Southwest Quarter of the Northwest Quarter and part of the Northwest Quarter both located in Section 11, Township 19 North, Range 4 East located in Jackson Township, Hamilton County, Indiana being bounded as follows:

Commencing at the Southwest corner of the Northwest Quarter of the Southwest Quarter of Section 11, Township 19 North, Range 4 East; thence North 00 degrees 45 minutes 52 seconds East (bearing system of Forest Bay Estates, Section One assumed) 485.00 Feet along the West line of the Southwest Quarter of said Section 11, to the POINT OF BEGINNING of this description, said point being the Northwest corner of Forest Bay Estates Section Three, the plot of which is recorded in Plat Book 8, Page 95-98 in the records of the recorder of Hamilton County, Indiana; thence continuing North 00 degrees 45 minutes 52 seconds East, 841.14 Feet along the West line of the Southwest Quarter of said Section 11 to the Southwest corner of the Northwest Quarter of said Section 11; thence North 00 degrees 43 minutes 30 seconds East, 1323.09 Feet along the West line of the Northwest Quarter of said Section 11 to the Northwest corner of the Southwest Quarter of the Northwest Quarter of said Section 11, said point being the midpoint of the West line of the Northwest Quarter of said Section 11, said point also being on the bounds of Forest Bay Estates, Section One, the plot of which is recorded in Plat Book 6, Pages 68-70 in the records of the recorder of Hamilton County, Indiana. The next seven courses are along the bounds of said Forest Bay Estates, Section One; thence 13 North 89 degrees 53 minutes 10 seconds East, 427.54 Feet; thence 23 South 44 degrees 17 minutes 00 seconds East, 396.09 Feet; thence 33 South 02 degrees 32 minutes 00 seconds East, 377.54 Feet; thence 43 North 86 degrees 40 minutes 00 seconds East, 431.97 Feet; thence 53 South 00 degrees 58 minutes 50 seconds West, 741.23 Feet; thence 63 South 89 degrees 06 minutes 20 seconds West, 141.01 Feet; thence 73 South 00 degrees 49 minutes 50 seconds West, 438.22 Feet to the Northwest corner of block "F" in said Forest Bay Estates, Section Three; thence the next 2 courses are along the bounds of said Forest Bay Estates, Section Three; thence 1) Continuing South 00 degrees 49 minutes 50 seconds West, 362.76 Feet; thence 2) North 89 degrees 12 minutes 47 seconds West, (105.3 feet dead) 1047.4 Feet measured to the POINT OF BEGINNING containing 47.61 acres more or less and being subject to all applicable easements and rights of way of record.

- GENERAL NOTES:**
- RESIDENTIAL DRIVEWAY PERMITS FOR THE INTERIOR STREETS MUST BE OBTAINED FROM THE HAMILTON COUNTY HIGHWAY DEPARTMENT PRIOR TO ANY HOME BUILDING OCCURRING ON THE SITE.
  - SEE SHEET #4 FOR ROADWAY CROSS SECTION AND PAVEMENT SECTION
  - FOR DEVELOPMENT PLAN SEE SHEET 4 OF 13.
  - DO NOT SCALE FROM THESE PLANS FOR SURVEY FIELD LOCATIONS.
  - SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION DETAILS.

"DON'T DIG BLIND"  
 BOLENSTEVEN C & VALERIE F.  
 1-800-382-5544  
 CALL BEFORE YOU DIG

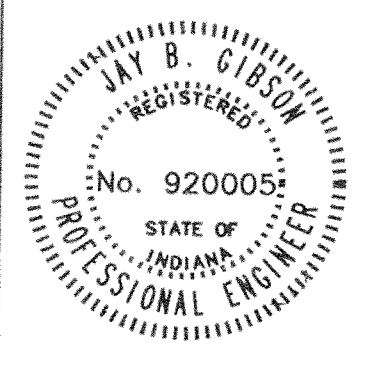
**DEVELOPMENT SUMMARY**  
 TOTAL ACREAGE 47.61 +/- (computed)  
 ZONING DISTRICT: "A" DISTRICT (CICERO, IN)  
 MINIMUM LOT AREA 2.00 ACRES +/-  
 STREET DATA PUBLIC-70' R/W  
**SWEET GRASS LANE**  
 UTILITIES  
 SANITARY: INDIVIDUAL SEPTIC SYSTEMS  
 WATER: INDIVIDUAL PRIVATE WELLS  
 SCHOOL DISTRICT: HAMILTON HEIGHTS

**BENCHMARK DESCRIPTION:**  
 HM12 - Harrison Monument Set at the intersection of Mill Creek Road and 226th Street. Monument is set in 6" pvc with Bernsten lid  
 ELEV. - 850.30 (NGVD, 1929)

REVISIONS		CONCEPT CHK:	DRAWN BY:	SCALE:	DATE:	CLIENT:
4-27-99	Rev. per County Planning and Surveyor's Comments.		G.S.W.	1"=100'	OCTOBER 30, 1998	STEVE LEATHERMAN
6-16-99	Rev. per County Surveyor's Comments.	ENG CHK:	DRFTNG. CHK:	DRAWING TITLE:		
		J.B.G.	G.S.W.			

**CALUMET FARMS SUBDIVISION**  
 CURVE DATA

CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
1	301°52'53"	125.00	-----	658.60	121.43	N 00°00'00" W
2CL	180°00'00"	86.00	-----	270.18	172.00	S 90°00'00" W
2IN	180°00'00"	55.00	-----	172.79	110.00	S 90°00'00" W
3CL	180°00'00"	86.00	-----	270.18	172.00	N 90°00'00" E
3IN	180°00'00"	55.00	-----	172.79	110.00	S 90°00'00" W
4	60°56'27"	50.00	29.42	53.18	50.71	S 59°31'47" W
5	60°56'27"	50.00	29.42	53.18	50.71	N 59°31'47" W

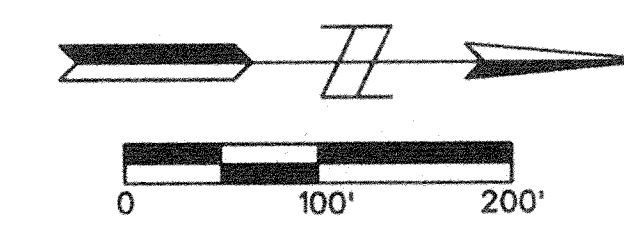


**As-Builts**

CERTIFIED BY: *Jay B. All*  
 DATE: 9/20/00 - "As-Builts" DEC 8 2000  
 OFFICE OF HAMILTON COUNTY SURVEYOR

DGN: C9724M.DGN  
 SHEET: 4 OF 13  
 JOB NUMBER: C9724

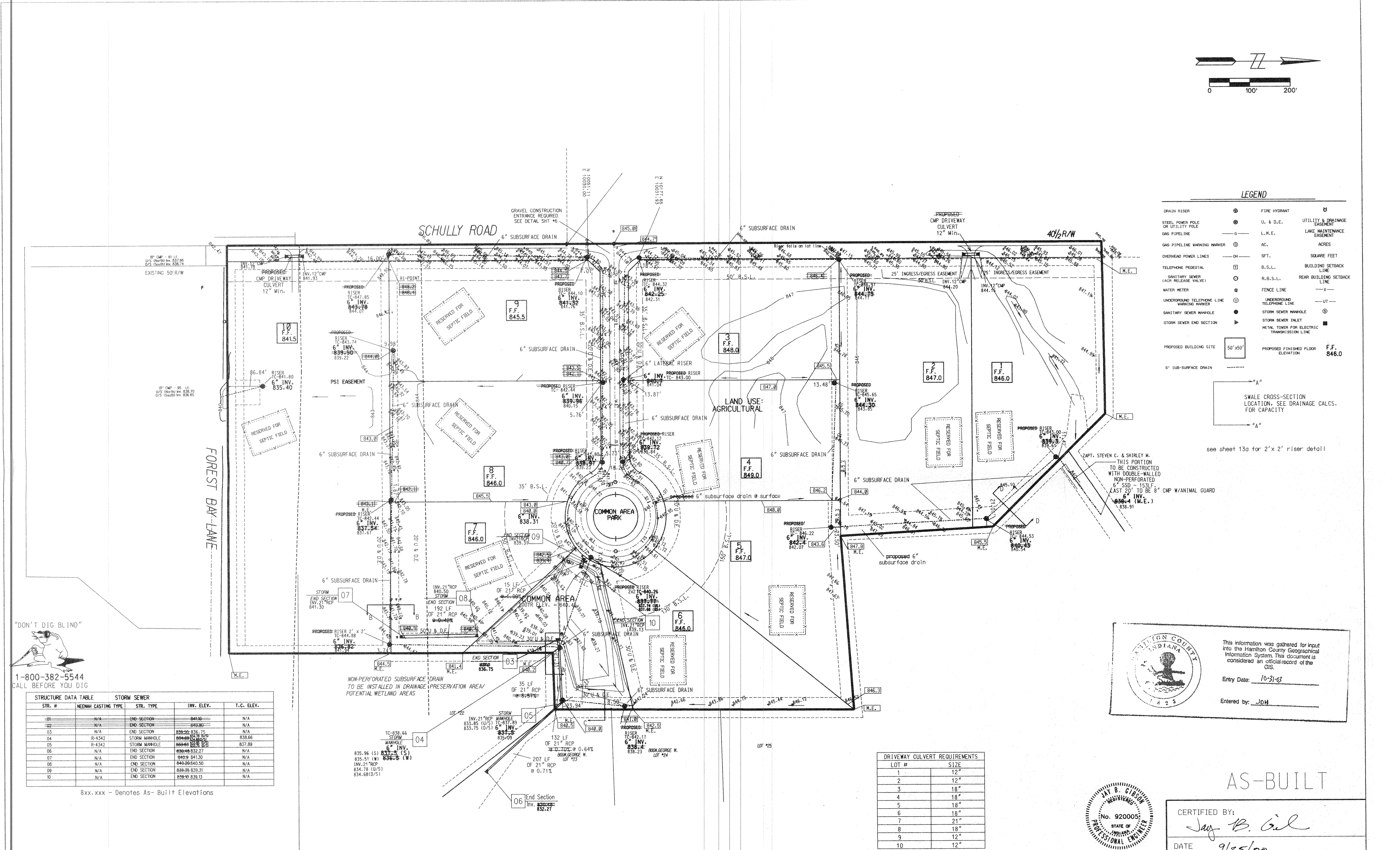
SITE PLAN - CALUMET FARMS SUBDIVISION



**LEGEND**

- DRAIN RISER
- STEEL POWER POLE OR UTILITY POLE
- GAS PIPELINE
- GAS PIPELINE WARNING MARKER
- OVERHEAD POWER LINES
- TELEPHONE PEDESTAL
- SANITARY SEWER (AIR RELEASE VALVE)
- WATER METER
- UNDERGROUND TELEPHONE LINE WARNING MARKER
- SANITARY SEWER MANHOLE
- STORM SEWER END SECTION
- PROPOSED BUILDING SITE
- 6" SUB-SURFACE DRAIN
- FIRE HYDRANT
- U. & D.E.
- L.M.E.
- AC.
- SFT.
- B.S.L.
- R.B.S.L.
- FENCE LINE
- UNDERGROUND TELEPHONE LINE
- STORM SEWER MANHOLE
- STORM SEWER INLET
- METAL TOWER FOR ELECTRIC TRANSMISSION LINE
- UTILITY & DRAINAGE EASEMENT
- LAKE MAINTENANCE EASEMENT
- ACRES
- SQUARE FEET
- BUILDING SETBACK LINE
- REAR BUILDING SETBACK LINE
- UT
- STORM SEWER INLET
- STORM SEWER FOR ELECTRIC TRANSMISSION LINE
- PROPOSED FINISHED FLOOR ELEVATION

see sheet 13a for 2' x 2' riser detail



"DON'T DIG BLIND"  
 1-800-382-5544  
 CALL BEFORE YOU DIG

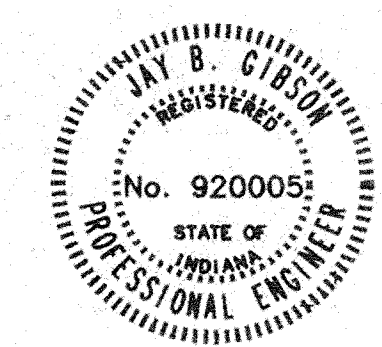
STR. #	NEEMAN CASTING TYPE	STR. TYPE	INV. ELEV.	T.C. ELEV.
01	N/A	END SECTION	845.00	N/A
02	N/A	END SECTION	842.00	N/A
03	N/A	END SECTION	839.50	836.75
04	R-4342	STORM MANHOLE	836.50	838.66
05	R-4342	STORM MANHOLE	836.50	837.89
06	N/A	END SECTION	836.50	832.27
07	N/A	END SECTION	840.50	841.30
08	N/A	END SECTION	840.50	840.50
09	N/A	END SECTION	839.50	839.31
10	N/A	END SECTION	839.50	839.13

8xx.xxx - Denotes As-Built Elevations

NON-PERFORATED SUBSURFACE DRAIN TO BE INSTALLED IN DRAINAGE PRESERVATION AREA/POTENTIAL WETLAND AREAS

HAMILTON COUNTY INDIANA  
 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: 10-31-03  
 Entered by: JOH

LOT #	SIZE
1	12"
2	12"
3	18"
4	18"
5	18"
6	18"
7	21"
8	18"
9	12"
10	12"



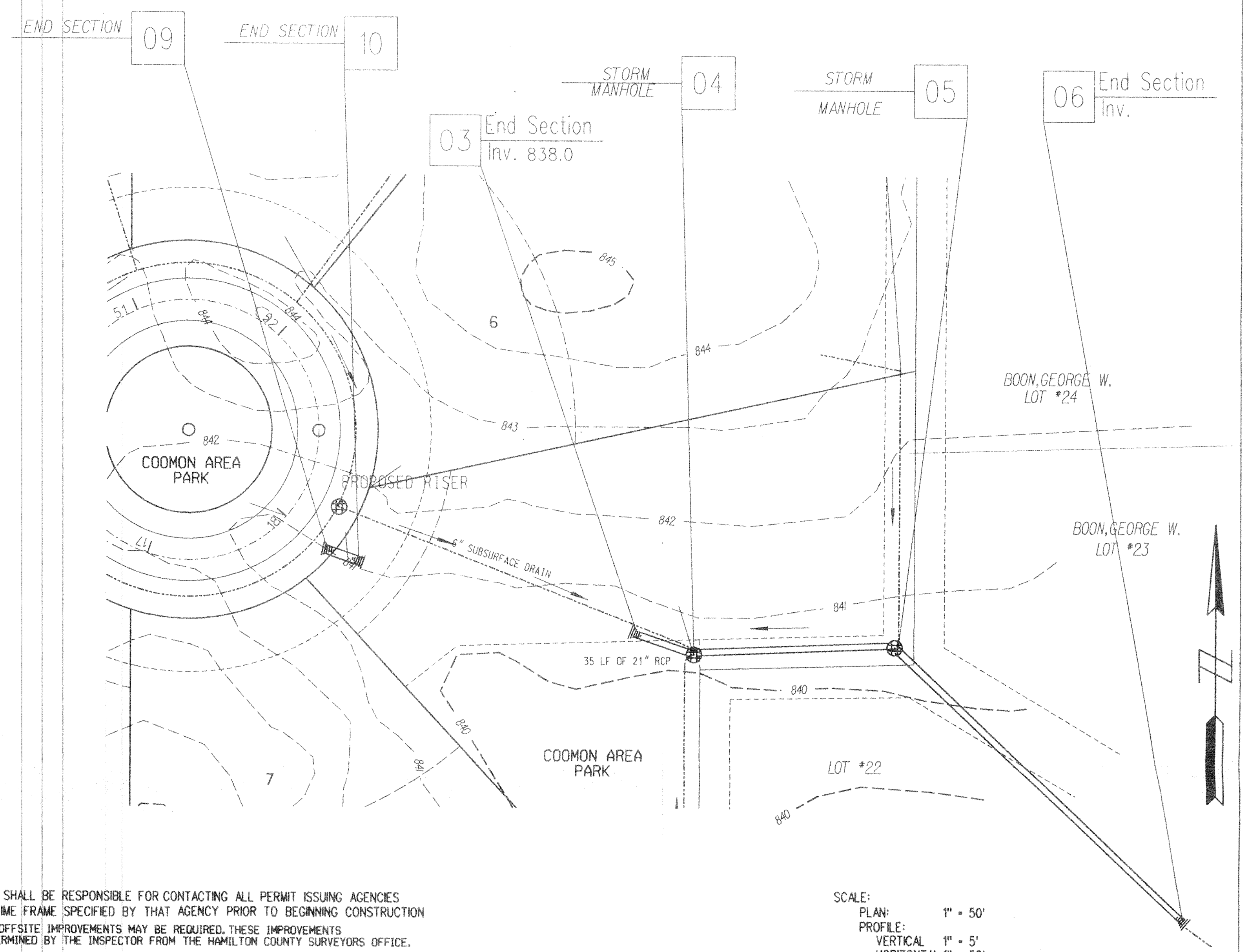
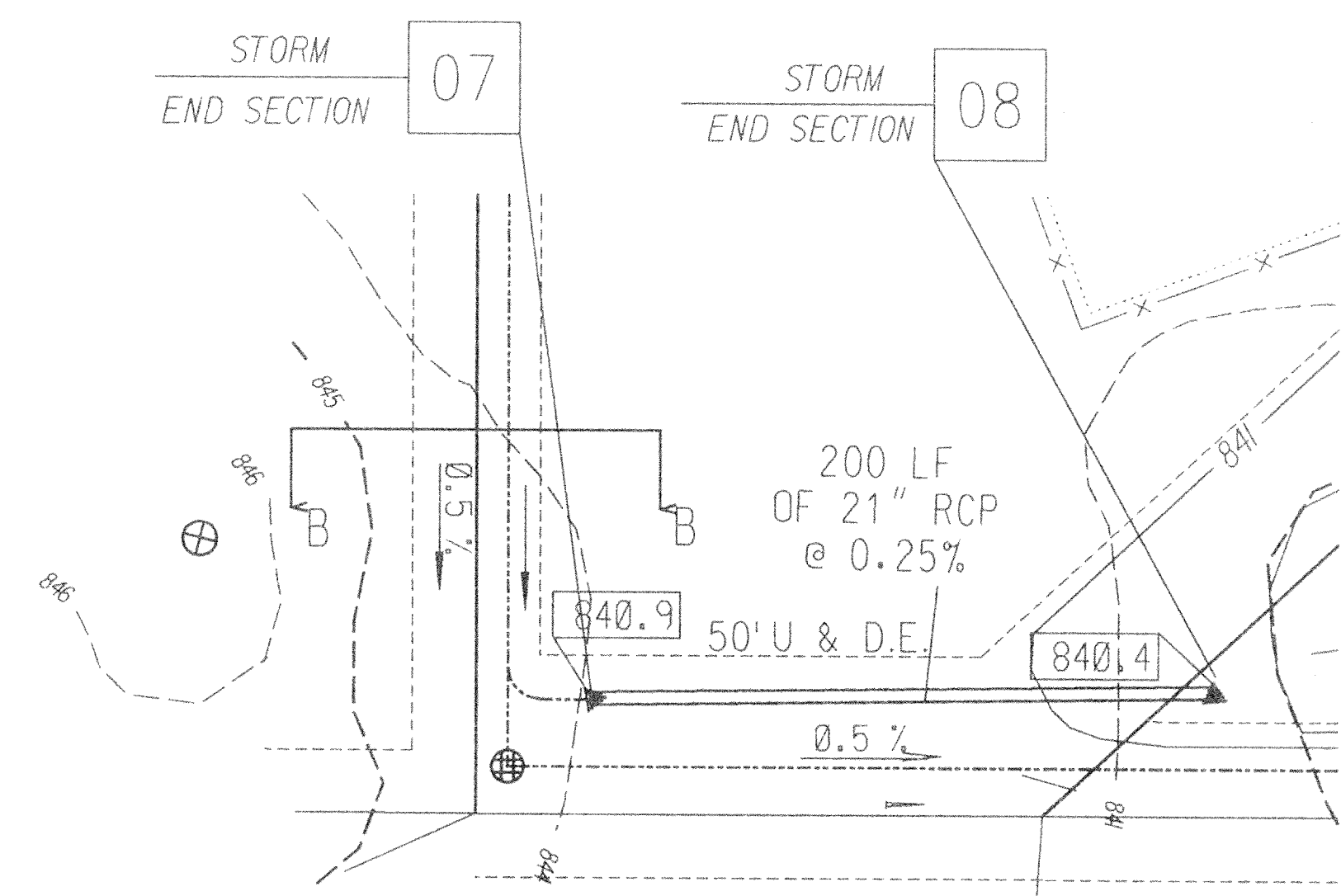
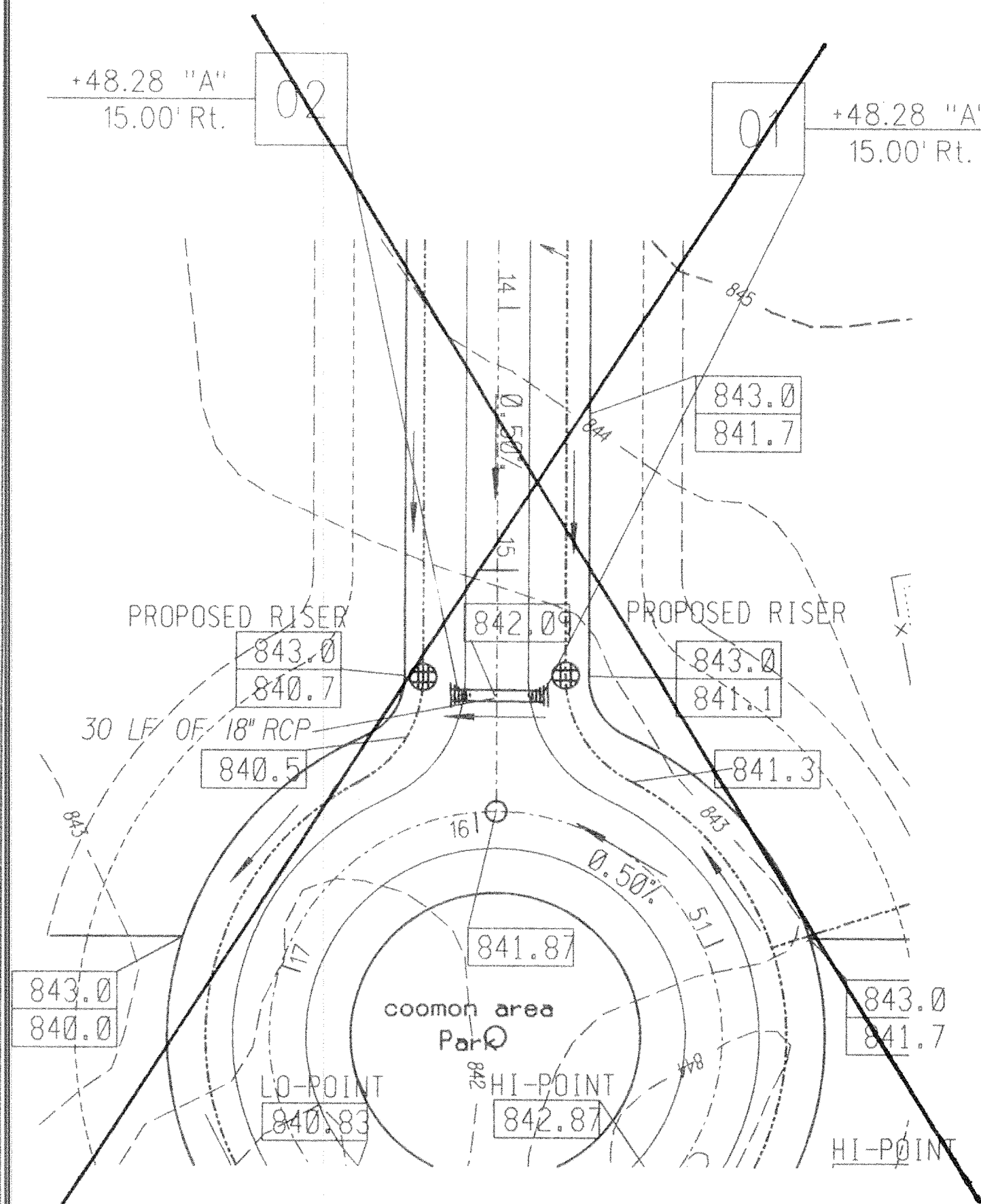
AS-BUILT

CERTIFIED BY:  
 Jay B. Gilson  
 DATE: 9/25/00

REVISIONS		CONCEPT CHK:	DRAWN BY:	SCALE:	DATE:	CLIENT:	DGN	C9724M.DGN	FILED SHEET: DEC 18 2000
4-27-99 Rev. per County Planning and Surveyor's Comments.			G.S.W.	1"=100'	OCTOBER 30, 1998	STEVE LEATHERMAN			3 OF 4
6-16-99 Rev. per County Surveyor's Comments.		ENG CHK:	DRFTNG. CHK:	DRAWING TITLE:			JOB NUMBER	C9724	4 OF 13
9-9-00 AS-BUILTS		J.B.G.	G.S.W.	DEVELOPMENT PLAN - CALUMET FARMS SUBDIVISION (ASBUILTS)					
12-15-00 AS-BUILTS Rev. per County Surveyor Comments.									

Add. Field Work Completed: 12-13-00

**BENCHMARK DESCRIPTION:**  
 HM12.  
 Harrison Monument Set at the intersection of Mill Creek Road and 226th Street. Monument is set in 6" pvc with Bernston lid  
 ELEV. - 850.30 (NGVD, 1929)



STR. #	NEENAH CASTING TYPE	STR. TYPE	INV. ELEV.	T.C. ELEV.
01	N/A	END SECTION	841.10	N/A
02	N/A	END SECTION	840.80	N/A
03	N/A	END SECTION	839.50 - 836.75	N/A
04	R-4342	STORM MANHOLE	834.69 - 834.78 U/S	839.0 - 838.66
05	R-4342	STORM MANHOLE	833.63 - 833.82 U/S	830.4 - 837.89
06	N/A	END SECTION	830.45	832.27
07	N/A	END SECTION	840.9	841.30
08	N/A	END SECTION	840.20	840.50
09	N/A	END SECTION	839.35	839.31
10	N/A	END SECTION	839.16	839.13

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

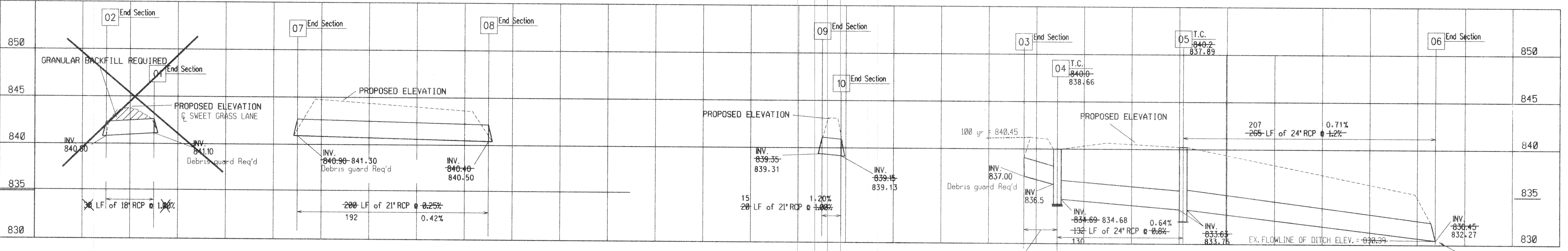
Entry Date: 10-31-05

Entered by: JPH

NOTES:

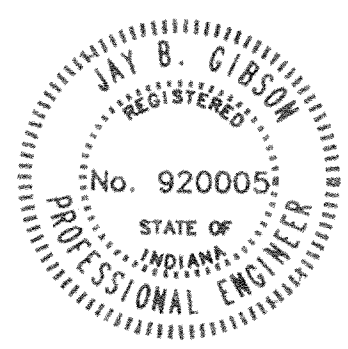
CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME FRAME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION. DOWNSTREAM OFFSITE IMPROVEMENTS MAY BE REQUIRED. THESE IMPROVEMENTS WILL BE DETERMINED BY THE INSPECTOR FROM THE HAMILTON COUNTY SURVEYORS OFFICE.

SCALE:  
 PLAN: 1" = 50'  
 PROFILE: 1" = 5'  
 HORIZONTAL: 1" = 50'



**BENCHMARK DESCRIPTION:**  
 HM12 - Harrison Monument Set at the intersection of Mill Creek Road and 226th Street. Monument is set in 6" pvc with Bernsten lid  
 ELEV. - 850.30 (NGVD, 1929)

REVISIONS	CONCEPT CHK:	DRAWN BY:	SCALE:	DATE:	CLIENT:
4/01/99 - rev. slopes, lengths str 3-6		G.S.W.	1" = 50'	OCTOBER 30, 1998	STEVE LEATHERMAN
6/17/99 - per surveyors comments	ENG CHK:	DRFTNG. CHK:	DRAWING TITLE:		
9/9/00 - AS-BUILTS	J.B.G.	G.S.W.	STORM SEWER PROFILES-CALUMET FARMS		



**As-Builts**

CERTIFIED BY: *Jay B. Gail*

DATE: 9/25/00

FILED DEC 18 2000

DGN: C9724PP.DGN

JOB NUMBER: C9724

SHEET: 4 OF 4