

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

December 10, 2004

Re: Krause & Klepfer Drain

Attached is a petition and plans for the proposed reconstruction of the Krause & Klepfer Drain. The reconstruction is being proposed by Britton Park Developers, LLC and Britton Golf Course, Inc. The proposal is to reconstruct the drain from the east property line to west property line of Britton Golf Course Tract, Number 15-11-30-00-00-014.000 and 15-11-30-00-00-015.104. The reconstruction is in relation to the 131<sup>st</sup> Street Marketplace project.

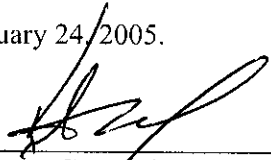
A total length of 1359.04 feet of open drain is being reconstructed in place with new flowline profile and cross-section as shown on the plans by American Consulting Inc. dated December 6, 2004. This section of ditch is located between approximately stations 23+59.04 and 10+00 as shows on the plans. The relocation shall be between Stations 89+11 and 102+70 of the 1955 reconstruction of the Krause & Klepfer Drain.

The reconstruction shall consist of creating overbank excavation as described in Practice 603 of the Indiana Drainage Handbook. The work shall be done in the current location of the drain. However, the cross-sectional area of the drain will be increased so as to maintain the 10-year and 100-year flood events within the new banks as shown on Sheet C5.2 on the attached plans. This includes placing fill within the existing floodplain.

The cost of the reconstruction is to be assessed to Britton Park Developers, LLC. The estimated project cost is \$1,539,853.00.

Attached with this report is a non-enforcement request in which the Board would allow encroachment into the easement to within 30 feet of the top of bank at that location.

I recommend that the Board set this item for hearing for January 24, 2005.

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

KCW/stc

HAMILTON COUNTY DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN RE: \_\_\_\_\_ )  
Hamilton County, Indiana )


PETITION FOR RELOCATION AND RECONSTRUCTION

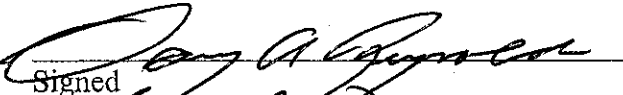
Britton Park Developers, LLC (hereinafter "Petitioner"),

hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a section of the Krause & Klepfer Drain, and in support of said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Krause & Klepfer Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the Krause & Klepfer Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Krause & Klepfer Drain, without cost to other property owners on the watershed of the Krause & Klepfer Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Krause & Klepfer Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

  
Managing Partner  
Britton Park Developers, LLC

  
Signed  
Gary A. Reynolds  
Printed  
Owner representative

STATE OF INDIANA )  
 ) ss:  
COUNTY OF HAMILTON )

BEFORE THE HAMILTON COUNTY  
DRAINAGE BOARD  
NOBLESVILLE, INDIANA

IN THE MATTER OF THE  
RECONSTRUCTION OF THE  
**Krause & Klepfer Drain, 131<sup>st</sup> Street Marketplace**

**FINDINGS AND ORDER FOR RECONSTRUCTION**

The matter of the proposed Reconstruction of the **Krause & Klepfer Drain 131<sup>st</sup> Street Marketplace** came before the Hamilton County Drainage Board for hearing on **January 24, 2005**, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

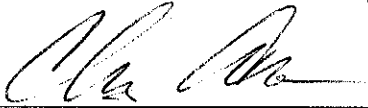
Wherefore, it is ORDERED, that the proposed Reconstruction of the **Krause & Klepfer Drain, 131<sup>st</sup> Street Marketplace** be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD

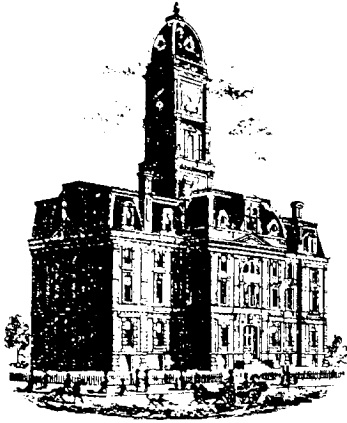
  
\_\_\_\_\_  
PRESIDENT

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

ATTEST:

  
\_\_\_\_\_  
Executive Secretary



Kew

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*

August 24, 2006

To: Hamilton County Drainage Board

Re: Krause & Klepfer Drain

The Hamilton County Surveyor's Office has completed its review of the bids received for the Krause & Klepfer Drain Reconstruction.

The three bidders were Poindexter Excavating, R. N. Thompson Construction and Central Engineering. The bid amounts are as follows:

Poindexter Excavating	\$110,000.00
R. N. Thompson Construction	\$ 64,250.00
Central Engineering	\$ 62,250.00

In checking over the bids I found that Poindexter and Central Engineering included financial statements and a Form 96 in their packets. R. N. Thompson did not include a financial statement along with the Form 96 in their packet.

The Hamilton County Surveyor's Office recommends Central Engineering be awarded the contract for the Krause & Klepfer Drain Reconstruction.

Sincerely,

Jerry L. Liston, CSI  
New Construction Inspector  
Hamilton County Surveyor's Office

JLL/llm

Cc: Bill Butz, PE



Addendum #1

FOR THE

RECONSTRUCTION OF THE

Krause and Klepfer Legal Drain

Located in Section 30, Township 18 North,  
Range 5 East

DELAWARE TOWNSHIP, HAMILTON COUNTY INDIANA

Please note in your quote that this addendum was  
received.

HAMILTON COUNTY DRAINAGE BOARD

## SPECIAL INSTRUCTIONS

Although the Special Instructions that follow are listed separately from the body of the contract, they are to be considered as instruction given "in addition to" those found in the Specifications portion of the contract. Therefore, the bidder is advised to read and thoroughly understand, the requirements found in the Specifications section. Any further unanswered questions or discrepancies should be addressed to the Hamilton County Surveyor's Office for a determination.

### PROJECT DESCRIPTION:

The reconstruction of the Krause and Klepfer Drain will begin at Sta. 10+00 being the west property line for the existing Britton Golf Course. The open drain will be reconstructed to the eastern property Line of the Britton Golf Course Sta. 23+59. The reconstruction shall consist of constructing a low flow channel, benches, and new slopes for the drain as noted in the Construction Documents. The project shall only be for the work within the proposed legal drain easement as shown on the construction documents.

### PROJECT START DATE

Construction may begin after pre-construction conference.

### CONSTRUCTION STAKING:

Construction staking shall be done by American Consulting, Inc. Construction staking will consist of a one-time staking the top of bank for the ditch. Additional or detailed staking is the responsibility of the bidder. Please contact Bryan Moll with American Consulting at 317-547-5580 at least 5 days prior to construction to schedule the staking.

### CONSTRUCTION INSPECTION:

Construction inspection shall be done by Jerry Liston of the Hamilton County Surveyor's Office. He can be reached at 317-776-8495.

### CLEARING

Construction/Easement clearing - The existing trees and brush will be cleared by others prior to the commencement of the drain reconstruction work. There are existing bridges and culverts shown on the construction documents that must be removed as a part of the legal drain reconstruction project. All demolished materials shall be disposed of properly off site by the contractor. Minor clearing and grubbing may be required.

### SEEDING

The project will be seeded twice by the Contractor.

1. The first time at the end of each days excavation while the soil is still moist and prior to the installation of the erosion control blanket. Fertilizer will be applied at this time by hydroseeding method.
2. Second seeding will be applied at least 3 (three) weeks after the first. The second seeding does not require fertilizer.
3. Seeding of the shelves of the legal drain must occur as soon as possible. Contractor shall establish grass to prevent erosion and minimize sediment from entering the drain.

Seed all disturbed areas per seeding specification sheet of this contract.

See Seeding Specifications, Open Channel Seeding Specification detail sheets.

### DITCH CONSTRUCTION:

The ditch that is to be reconstructed shall be as required by the specifications and as shown in the construction plans. Please refer to the cross section on Sheet C5.2 for details regarding grading, erosion control, and other required items. The proposed grading for the reconstruction of the ditch is shown on sheets C2.4 and C2.5. As noted herein, the ditch reconstruction contract is only for those areas on the plans within the limits of the regulated drain easement.



**FINAL GRADING OF DRAINAGE EASEMENT:**

No rocks, pieces of concrete, clay tiles or any other debris will be allowed to remain on the final grading of drainage easement. Use of a rock screen or rake may be necessary to remove all rocks and debris.

**BENCHMARKS:**

The locations of benchmarks on the subject site are noted on the construction documents.

**UTILITIES:**

**It shall be the Contractors responsibility to contact the owners of the various utilities and have the utilities located before work is started.**

Work by others on the Britton Golf Course site will involve decommissioning and removing existing utilities in the area of the drain relocation. Legal drain contractor shall coordinate with the contractor performing these activities prior to and during reconstruction of the legal drain.

**PRE-CONSTRUCTION MEETING:**

At least seven (7) days prior to the commencement of the construction activities and no later than two (2) weeks after scheduled hearing. The scheduling and notification of such meeting shall be the responsibility of the contractor. Those invited shall be those listed as follows: County Surveyor or his representative, Contractor, The Town of Fishers representative for Erosion Control, Project Inspector, design engineer, Meyer Najem, representative of Utilities in project area and any other interested parties.

**TRENCH SAFETY:**

IOSHA Regulations 29 C.F.R. 1926, Subpart B are hereby incorporated with the contract documents. The Contractor shall incorporate the trench safety requirements as set out in the above mentioned regulations and such material, equipment, etc. required, shall be included in the cost of pipe installation.

**EROSION PROTECTION DURING CONSTRUCTION:**

The Contractor shall provide adequate erosion protection measures during construction such as, but not limited to:

1. Sediment Basins
2. Silt Traps
3. Silt Fence
4. Mulch and Seeding
5. Erosion Control Blankets

**EROSION CONTROL BLANKETS (SC 150 BN) OR EQUIVILENT:**

SC 150 BN extended-term degradable erosion control blanket is constructed with a 70% agricultural straw and 30% coconut fiber matrix and has a functional longevity of up to 24 months (NOTE: functional longevity may vary depending upon climatic conditions, soil, geographic location, and elevation). The straw and coconut fibers shall be evenly distributed over the entire area of the blanket. The blanket shall be covered on the top with a heavyweight polypropylene netting having ultraviolet additives to delay breakdown and an approximate 0.625 x 0.625 inch (1.59 x 1.59 cm) mesh size. The blanket shall be covered on the bottom with a lightweight polypropylene net having a 0.50 inch x 0.50 inch (1.27 cm x 1.27 cm) mesh size. The blanket shall be sewn together on 1.50 inch (3.81 cm) centers with degradable thread. The erosion control blanket is **NOT TO BE INSTALLED IN THE FLOWLINE. SEEDING WILL NEED TO BE APPLIED PRIOR TO PLACEMENT OF BLANKETS.**

**SPOIL SPREADING:**

All spoils, if encountered, shall be placed on the operation sides of the ditch to be removed by the on-site contractor. Contractor shall coordinate with the on-site contractor on the removal of the spoils.

**EXCAVATION (DREDGING):**

Approximately 1,359 lineal feet beginning at Station 10+00. The gradient shown on the profile sheet **will be followed.** All cuts must be at or below grade, not to exceed three tenths of a foot (0.3) below grade. (See Cross Section) Areas of bank work are shown on the profile of the construction plans. Clean and clear obstructions and debris, and create a cross section with a 2:1 side slope

matching the new or existing bottom width and elevation.  
(See cross section in construction plans)

**SILT BASINS:**

Multiple on-site silt basins will be constructed by the on-site contractor. (See silt basin detail and plans for locations) Contractor shall coordinate discharges into the sediment basins with the on-site contractor.

**OUTLET PIPES:**

No outlet pipes will be constructed as a part of the legal drain reconstruction project. The on-site contractor will be constructing outlet pipes from the proposed ponds in their separate contract. These connections are shown on the construction documents and will be coordinated with the legal drain contractor.

**Filter Strips:**

Twenty (20') foot filter strips are to be installed along both sides of the legal drain for the entire length of the project.

(See Filter Strip, Seeding Specifications, Open Channel Seeding Specifications detail sheets)

**TRAFFIC CONTROL AND ACCESS TO PROJECT:**

The contractor shall not close any lanes on any streets as a result of this project. Access to the site will be from the existing curb cut along 131<sup>st</sup> Street, east of State Road 37. Access through the interior of the site to the legal drain will be provided and shall be coordinated with the on-site contractor.

**BENCHMARK DESCRIPTIONS:**

Detailed benchmark descriptions are included in the construction documents.

**CONTRACTORS CLAIM DATES**

The claims will be submitted by 8:30 AM to the Hamilton County Surveyor's Office Inspector prior to these due dates:

September 18, 2006  
October 2, 2006  
October 16, 2006  
November 6, 2006  
November 20, 2006  
December 4, 2006

**ALL STRUCTURES MUST CONFORM TO HAMILTON COUNTY  
SURVEYOR'S OFFICE SPECIFICATIONS.**

DRAIN RECONSTRUCTION CONTRACT

THIS AGREEMENT by and between the HAMILTON COUNTY DRAINAGE BOARD, hereinafter referred to as "BOARD" and CENTRAL ENGINEERING CONSTRUCTION ASSOC., hereinafter referred to as "CONTRACTOR".

WITNESSETH:

THAT WHEREAS, Contractor is the successful bidder for the reconstruction of the KRAUSE ; KLEPPER LEGAL Drain as ordered by the Board, it is now agreed by and between the Parties as follows:

1. The Contractor agrees to perform the work under the supervision of the Surveyor or his representative, in accordance with the plans, Instructions to Bidder, General Provisions, Special Instructions, profile and cross sections made by the Board, which are incorporated herein by reference as fully as if the same were set out.

2. The Board agrees to pay Contractor the agreed sum of SIXTY-TWO THOUSAND TWO HUNDRED FIFTY DOLLARS WITH payment to be made according to law.

3. The Contractor agrees that all work under this contract shall be completed on or before the completion date set out in the General Provisions.

4. It is understood and agreed that fifteen Percent (15%) of the contract price herein shall be withheld by the Board for a period of sixty (60) days after the completion of the work for the purpose of securing payment of material men, laborers and sub-contractors.

5. The Contractor agrees and binds itself to pay all bill for labor, materials and all services whatsoever that shall be used in this reconstruction or otherwise incorporated in this work and to save the Board and the landowners affected harmless from all such bills.

6. This contract also incorporates by reference a certain contractor's bid dated 8-17-06 as fully as if the same were set out completely herein.

7. It is understood that the Board contracts in its official capacity and that the members thereof shall not in any event be personally liable under this agreement.

IN WITNESS WHEREOF THE PARTIES HAVE SET THEIR HANDS THIS  
28<sup>TH</sup> DAY OF AUGUST 2006.

HAMILTON COUNTY DRAINAGE BOARD

Steven C. Dillinger  
PRESIDENT

[Signature]  
MEMBER

[Signature]  
MEMBER

BY [Signature]  
CONTRACTOR  
Karen HIRTH Powers, President

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: **KRAUSE AND KLEPFER LEGAL DRAIN RECONSTRUCTION**

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 conformity with all plans and specifications.
5. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been correctly represented on the Record Drawings, Digital Record Drawings and the Structure Data Spreadsheet.

Signature: *Alen Fetahagic* Date: \_\_\_\_\_

Type or Print Name: Alen Fetahagic

Business Address: 7260 Shadeland Station

Indianapolis, Indiana 46256

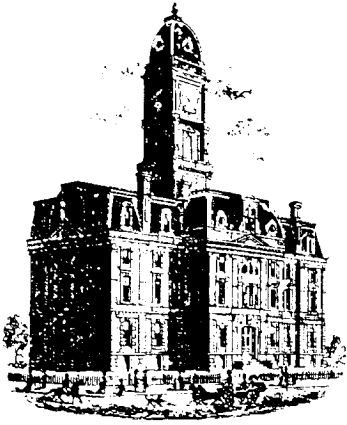
Telephone Number: 317-547-5580



INDIANA REGISTRATION NUMBER

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SURVEYOR'S OFFICE  
**Hamilton County**

*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*

December 19, 2008

To: Hamilton County Drainage Board

Re: Krause & Klepfer Drain, 131<sup>st</sup> Street Marketplace

Attached is the As-built Topographic Survey, Certificate of Completion & Compliance and other information for the 131<sup>st</sup> Street Marketplace development. My office has completed an inspection of the Overbank Excavation within the development and found the work to be complete and acceptable.

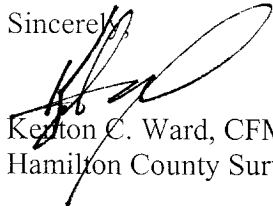
The project was submitted to the Drainage Board as a variance request to place fill within the floodplain/floodway of the Krause & Klepfer Drain. The variance proposal was submitted and approved by the Drainage Board on February 28, 2008 (See Drainage Board Minutes Book 8, Pages 217-220).

A total of 1,359.04 feet of open drain was reconstructed per the new Thalweg profile as shown on the As-built Topographic Survey from American Structurepoint dated December 26, 2006. American Structurepoint reviewed the As-built Topographic Survey prepared for the project and the reconstructed legal drain appears to be acceptable when compared to the approved design (See American Structurepoint letter August 10, 2007).

The Board approved a non-enforcement in which the Board would allow encroachments into the easement to within 30 feet of the top of bank. (See Drainage Board Minutes Book 8, Pages 217-220, and Instrument No. 200500017816).

I recommend the Board approve the Drain's Overbank Excavation as complete and acceptable.

Sincerely,



Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/pll

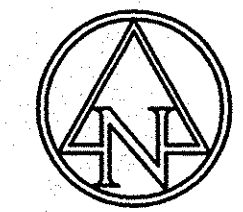


# MEYER NAJEM

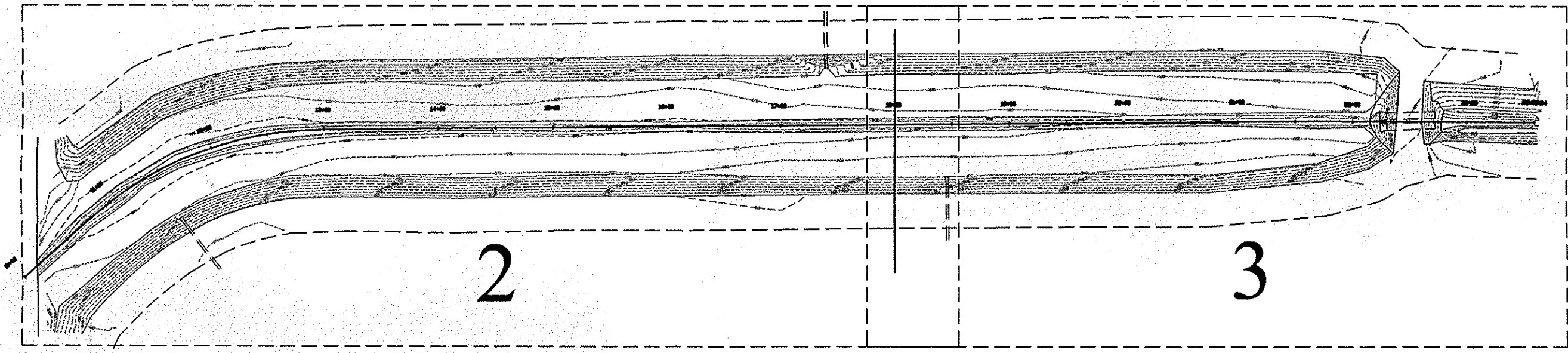
## PLANS FOR

# THE KRAUSE & KLEPFER #48 LEGAL DRAIN

# AS-BUILT SURVEY

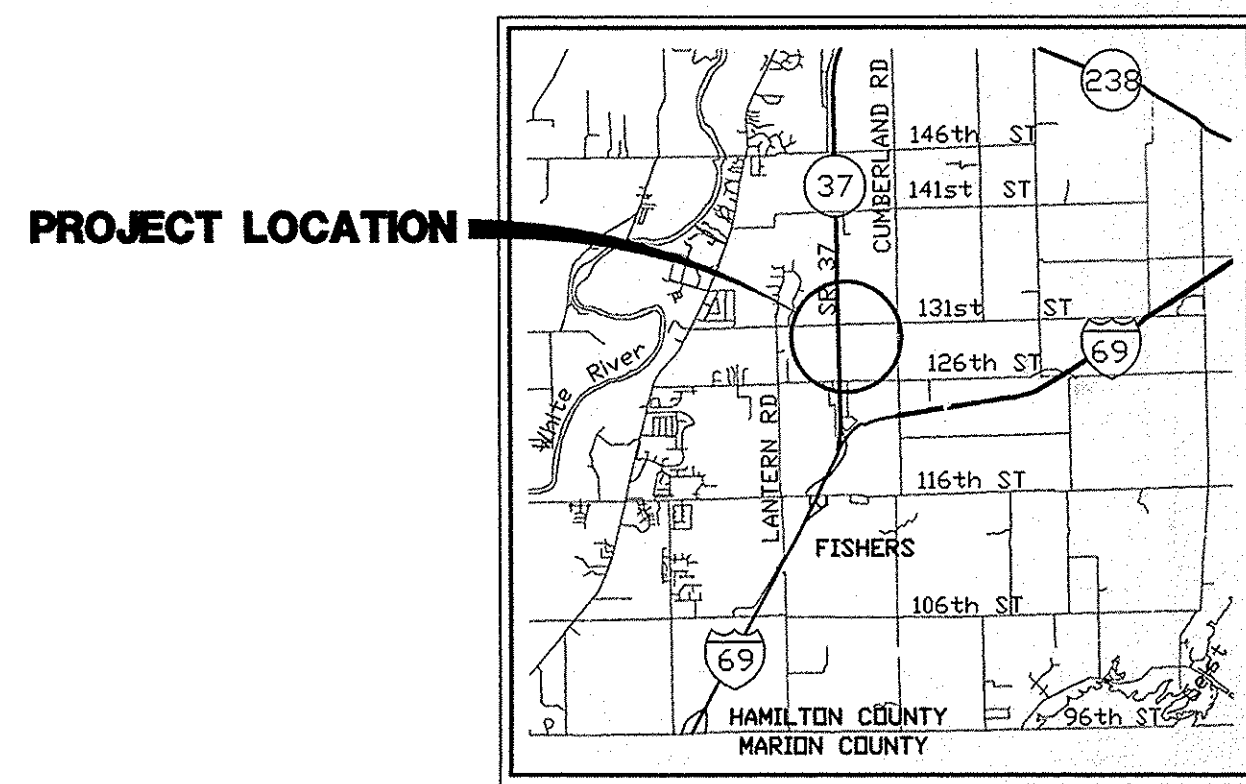


SCALE 1" = 100'



INDEX OF SHEETS	
1	TITLE SHEET
2-3	THALWEG PROFILE

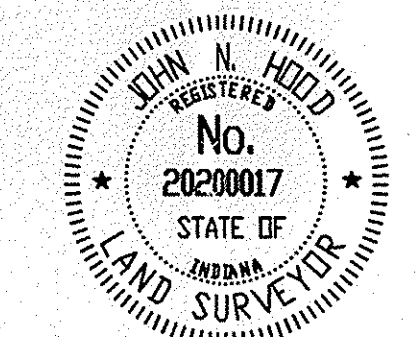
BENCH MARK INFORMATION	
HSE 14	ELEV - 809.42
HSE DISC IN CONCRETE SET AT THE NORTHEAST CORNER OF S.R. 37 & 131st. STREET JUST SOUTHWEST R/W FENCE.	
HAM G64	ELEV - 806.49
A STATE HIGHWAY COMM. OF INDIANA STAMP "HAM G64" IN NORTH END OF CONCRETE HEADWALL, 26' EAST OF NORTHBOUND S.R. 37 & 800± WEST OF CENTERLINE 131st STREET.	



LOCATION MAP  
NOT TO SCALE

PLANS PREPARED FOR:  
MEYER NAJEM

**AMERICAN CONSULTING, INC.**  
ARCHITECTS CONSULTANTS ENGINEERS  
7260 SHADELAND STATION INDIANAPOLIS, INDIANA 46256 (317) 547-5580

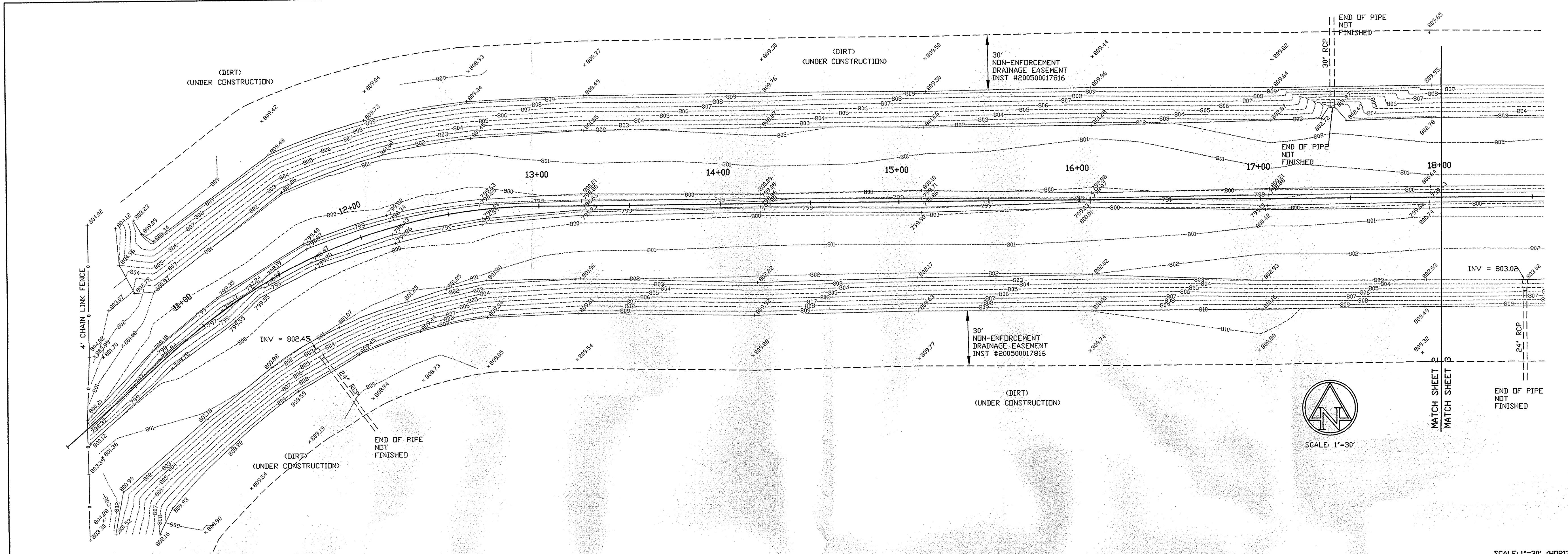


*John N. Hold*  
Surveyor

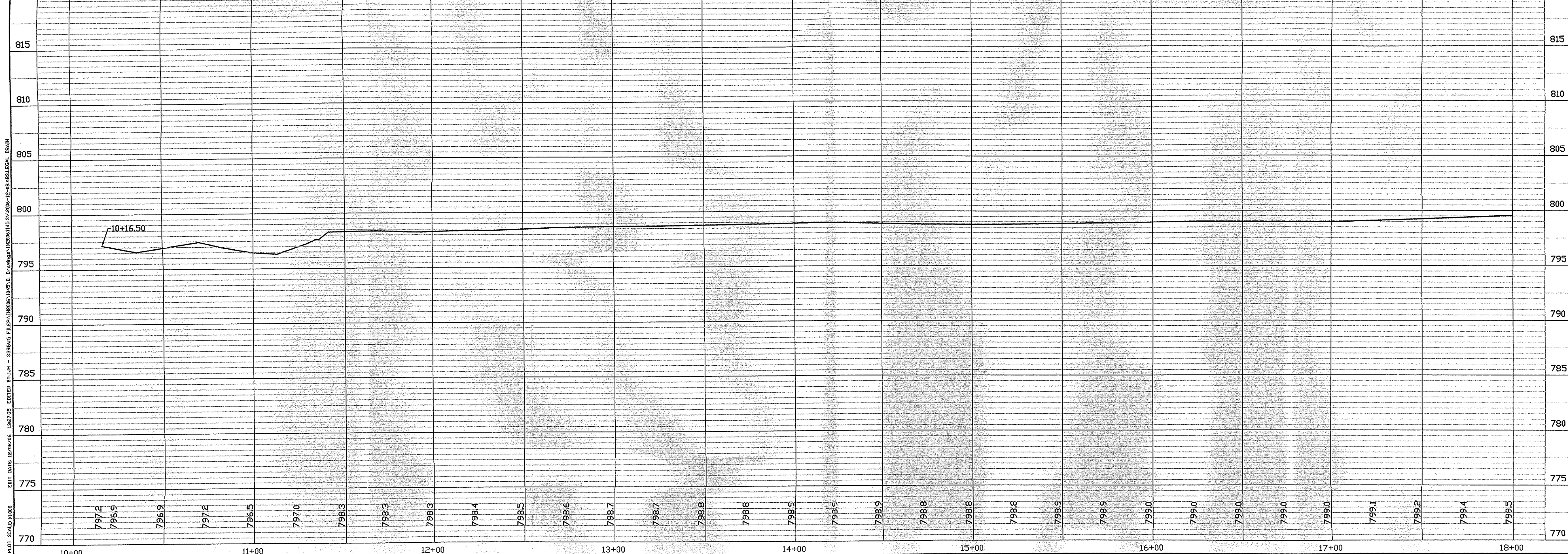
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OFFICE OF HAMILTON COUNTY SURVEYOR  
**1**  
OF 3

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THALWEG PROFILE



**MEYER NAJEM**

**AMERICAN CONSULTING INC**  
 700 SHADERS STATION  
 INDIANAPOLIS, IN 46246-9917  
 (317) 547-5560 FAX: (317) 543-0270  
 Copyright (C) 2006 by American Consulting, Inc.

JOHN N. HOOD  
 REGISTERED  
 LS20200017  
 STATE OF  
 INDIANA  
 LAND SURVEYOR  
 CERTIFIED BY

**THALWEG PROFILE**

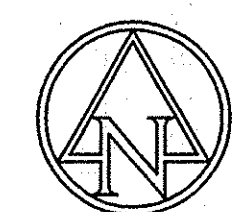
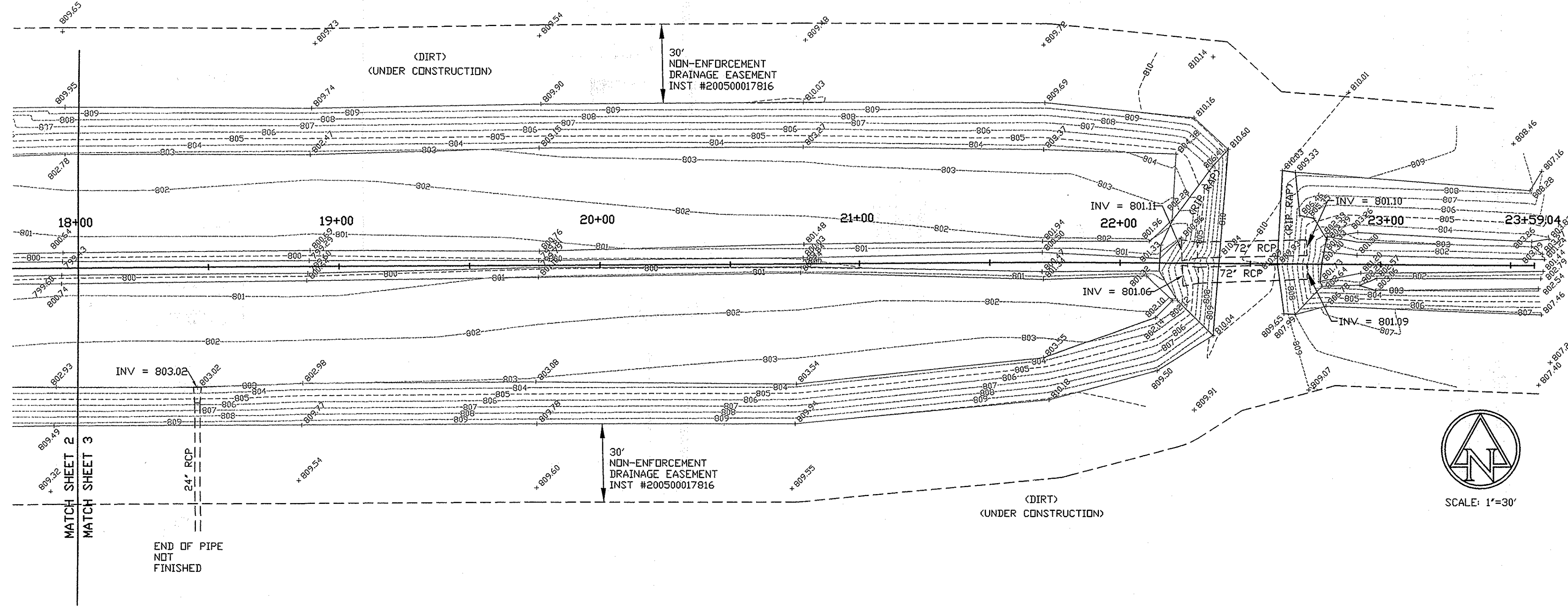
**THE KRAUSE & KLEPFER #48**  
 LEGAL DRAIN AS-BUILT SURVEY  
 FISHERS, INDIANA

DATE:	12-08-2006
DRAWN BY:	JJH
CHK'D BY:	JNH
JOB NO.	IN2006-1145

REVISIONS	

DEC 20 2006  
 SHEET NO.  
 OFFICE OF MANITOWOC COUNTY SURVEYOR

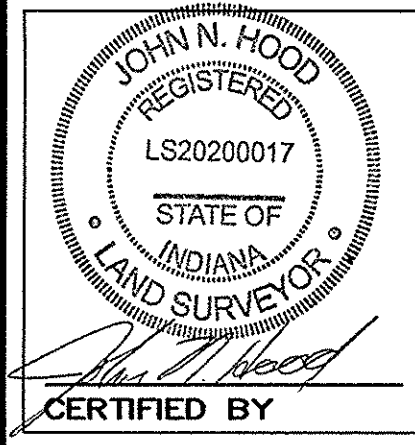
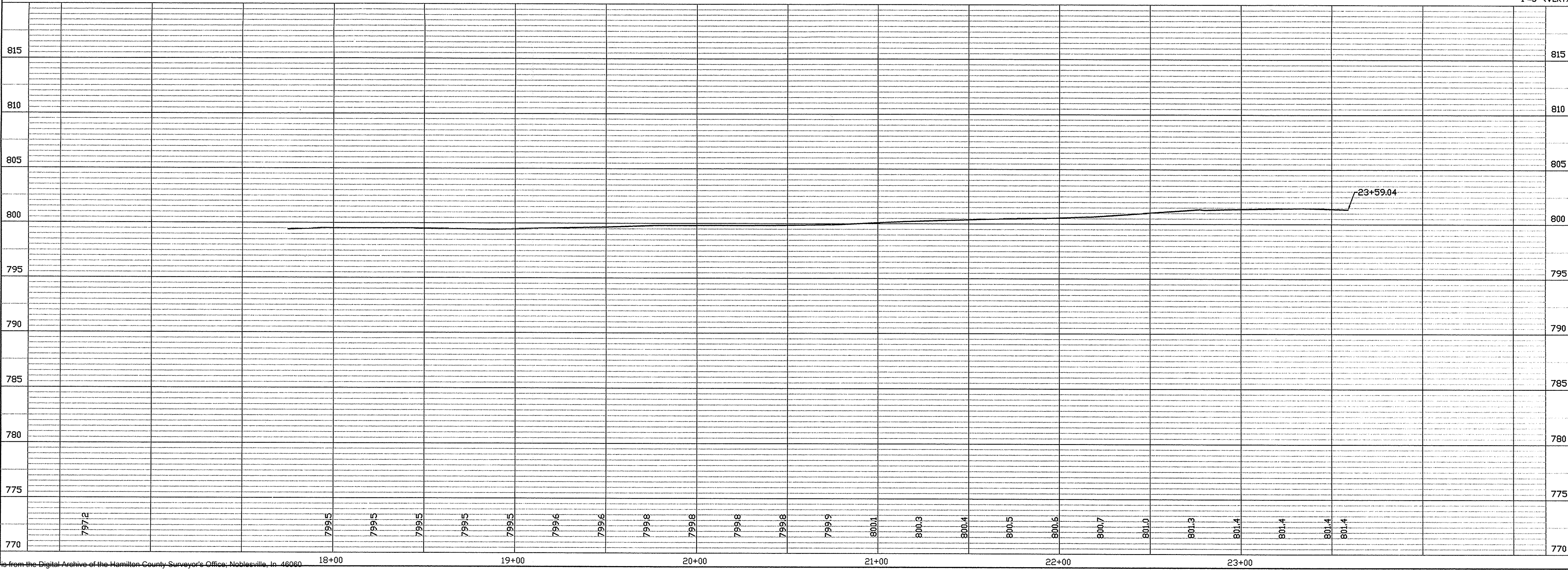




SCALE: 1"=30'

THALWEG PROFILE

SCALE: 1"=30' (HORIZ)  
1"=5' (VERT)



**THALWEG PROFILE**

**THE KRAUSE & KLEPFER #48  
LEGAL DRAIN AS-BUILT SURVEY**  
FISHERS, INDIANA

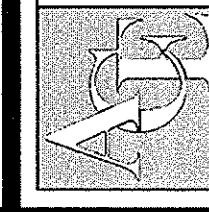
DATE:	12-08-2006
DRAWN BY:	JJH
CHK'D BY:	JNH
JOB NO.	IN2006-1145

REVISIONS	

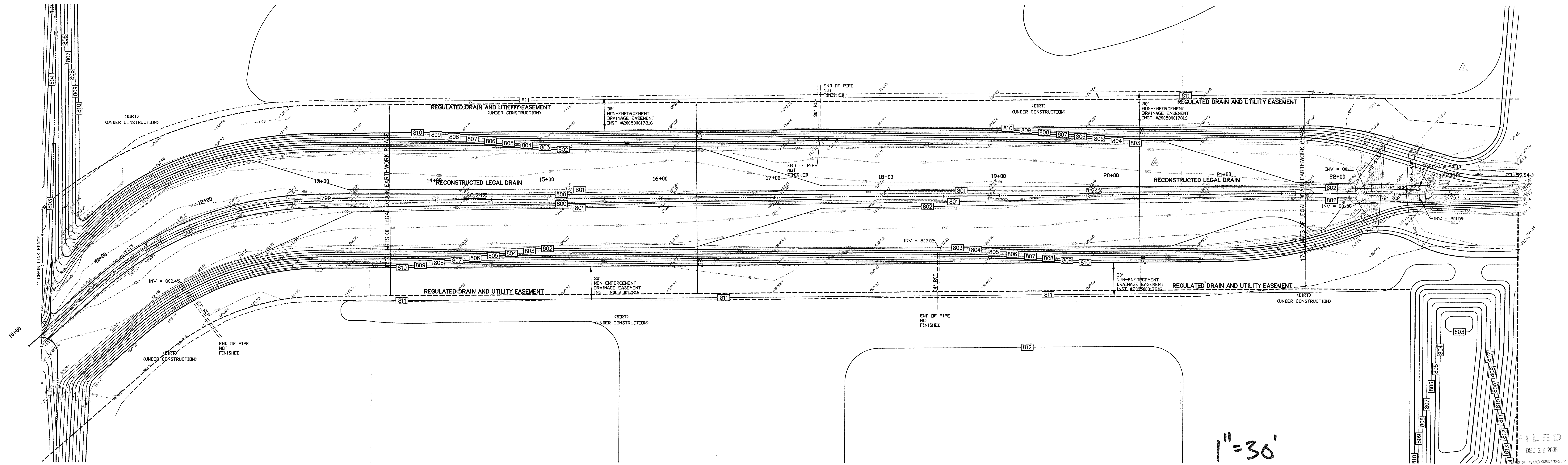
SHEET NO. DEC 26 2006  
OFFICE OF HAMILTON COUNTY SURVEYOR  
3 OF 3

**MEYER NAJEM**

**AMERICAN CONSULTING, INC.**  
7260 SHADELAND STATION  
INDIANAPOLIS, IN 46256-5917  
(317) 575-5200  
www.americanconsulting.com







L L D  
 DEC 2 6 2006  
 OF HAMILTON COUNTY SURVEYOR