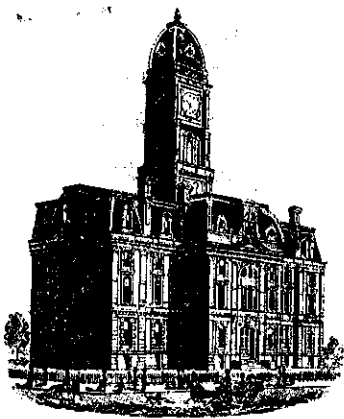


Drain: John Osborn Drain #: 162  
Improvement/Arm: RECONSTRUCTION  
Operator: J. LIVINGSTON Date: 5-13-04  
Drain Classification: Urban/Rural Year Installed: 1987

### GIS Drain Input Checklist

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





SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, Surveyor*

773-6110 Ext. 19--  
776-9626

*Noblesville, Ind. 46060* January 7, 1988

**FILED**

FEB 8 1988

HAMILTON COUNTY DRAINAGE BOARD

SECRETARY

TO: Hamilton County Drainage Board

RE: John Osborn Drain

John Osborn Main Ditch

Attached is a petition for the reconstruction of the John Osborn Drain. The petition is accompanied by plans and calculations and is submitted by C. Michael Verble for Walnut Creek Woods and Bruce A. Cordingley for Bridlebourne. These property owners represents forty-eight (48%) percent of the drainage shed and will pay the cost for reconstruction.

The proposed project will involve the reconstruction of the open and tile portions of the original John Osborn Drain. The open portion will be dredged from Towne Road West 212 feet. The tile portion will be replaced with a 21" RCP and 24" RCP. This portion of the project will consist of 1440 feet of 24" RCP and 1780 feet of 21" RCP for a total of 3220 feet of tile. The tile portion will begin near the NorthEast corner of Lot 37 in Bridlebourne, in Block G of that plat. The plans and profile of the project is shown in the four (4) page set of plans by Schneider Engineering dated August 27, 1987 and file stamped October 9, 1987. The portion of the drain from STA 42+26 (Towne Road) to STA 49+00 will remain unchanged.

I recommend the Board vacate the original protion of the John Osborn Drain from Station 0 to Station 11+50. This portion of the drain is within the Bridlebourne Subdivision. The length of the main drain will be changed 4900 feet to 4106 feet. Two (2) Arms of the drain will be added and are discussed below.

I recommend the petitioners be instructed to 1.) Provide a contract or cost estimate for the reconstruction 2.) Provide a Performance Bond or Letter of Credit

for 100% of the contract price or estimate 3.) Be given May 15, 1988 as a completion date and 4.) Be required to submit to the Surveyor a set of As Built Drawings showing pipe length, location, TC's and inverts.

I also recommend to the Board that the minimum assessment for the John Osborn Drain be increased to \$25.00. This will increase the annual assessment from the existing \$487.00 annual assessment to \$1100.44. This includes adding the following tracts to the assessment because of drainage facilities constructed and proposed in Bridlebourne and Walnut Creek Woods.

13-05-00-00-016.00 41.52ac-5ac assessed  
13-05-00-00-016.001 5.0ac-5ac assessed  
13-05-00-00-016.201 31.739ac-31.739ac assessed

All of Bridlebourne Sections 1 and 2, parts of which were assessed originally along with tracts 13-05-00-00-001.204 and 13-05-00-00-001.104 in total.

#### BRIDLEBOURNE ARM

Attached is a petition, non-enforcement request, plans, calculations and assessment roll for the Bidrlebourne Arm of the John Osborn Drain.

This drain consists of portions of the drainage facilities for Sections 2 and 3 of Bridlebourne. These portions will be described below.

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:

Section 2: Structure 104 at the South East corner of Lot 39 North to STR 103, thence North from STR 103 to STR 102; thence East to the East line of Lot 63 as per grading plan for Bridlebourne Subdivision Section 2 by Schneider Engineering with last revision dated June 8, 1987 and file stamped October 20, 1987.

Section 3: Starting at the West line of Lot 62 (East line of Lot 63 above) and run East to STR 114; thence North East to STR 110; thence South East to STR 109; thence South East in an open ditch to the

East line of Common Area Block "G" where it enters the main John Osborn Drain as reconstructed. Also to be included is the 12" RCP between Structure 110 and Structure 111. This as per grading plan for Bridlebourne Subdivision Section 3 by Schneider Engineering with last revision dated October 9, 1987 and file stamped October 30, 1987.

The lengths involved are as follows:

Open Ditch	465 feet	12" RCP	22 feet
15" RCP	290 feet	18" RCP	412 feet

The total length of the Bridlebourne Arm will be 1189 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 \$25.00 per lot, \$2.00 per acre for roadways and Common Areas, with a \$25.00 minimum.

#### WALNUT CREEK WOODS ARM

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Walnut Creek Woods Arm of the John Osborne 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" SSD - 525'	15" RCP - 1890'	24" RCP - 240'
12" RCP - 1860'	18" RCP - 190'	

The total length of the drain will be 4705 feet.

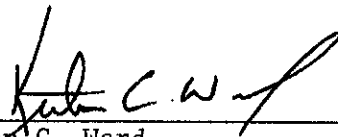
Subsurface Drain (SSD) which will be taken as regulated drain for this project is shown on sheet S-6 and consists of the line in the rear of lots 9 & 10 along with the line in the rear of lots 5 & 6.

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 \$25.00 per lot, \$2.00 per acre for roadways, with a \$25.00 minimum.

The maintenance responsibility for Lakes 1 and 2 will be upon the Homeowners Association. The maintenance of the inlets and outlets for the lakes will be part of the regulated drains. The detention areas on lots 8; 4,6 and 7; 2 and 3 and lot 1 are to be maintained as regulated drain only to ensure that the need storage volume is maintained and not filled in.

The offsite storm line shown on sheet 13 is to be included as part of the regulated drain. This line is between Str. #05-101 and Str. #101.

I recommend a hearing for the above reconstruction and arms be set for February 8, 1988.



---

Kenton C. Ward,  
Hamilton County Surveyor

KCW/no/jh

BANK ONE, INDIANAPOLIS, NA  
INDIANAPOLIS, INDIANA 46277

DATE: 27OCT87

IRREVOCABLE CREDIT NO. S-2917-G  
BOARD OF COUNTY COMMISSIONERS OF  
HAMILTON COUNTY  
C/O AUDITORS OFFICE  
NOBLESVILLE, INDIANA 46060

GENTLEMEN:

WE HEREBY AUTHORIZE YOU TO VALUE ON US FOR THE ACCOUNT OF  
BRIDLEBOURNE DEVELOPMENT CO.,  
AN INDIANA GENERAL PARTNERSHIP  
P.O. BOX 44287  
INDIANAPOLIS, INDIANA 46244

FOR A SUM OR SUMS IN U.S. DOLLARS NOT EXCEEDING A TOTAL OF  
SEVENTY THOUSAND THREE HUNDRED EIGHTY SEVEN AND 00/100 USD

\*\*\*\*\*70,387.00

AVAILABLE BY DRAFTS AT SIGHT DRAWN ON  
BANK ONE, INDIANAPOLIS, NA, INDIANAPOLIS, INDIANA.  
ACCOMPANIED BY:

PURPOSE  
PERFORMANCE BOND RELATED TO OFFSITE DRAINAGE AT BRIDLEBOURNE  
SUBDIVISION.

DRAFTS MUST BE PRESENTED TO THE DRAWEE NOT LATER THAN 14OCT88  
AT OUR COUNTERS.

ALL DRAFTS MUST BE MARKED, "DRAWN UNDER BANK ONE, INDIANAPOLIS, NA,  
INDIANAPOLIS, IN. CREDIT NO. S-2917-G".

WE HEREBY AGREE WITH YOU THAT DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH  
THE TERMS OF THIS CREDIT SHALL BE DULY HONORED ON DUE PRESENTATION TO THE  
DRAWEE.

THIS CREDIT IS SUBJECT TO UNIFORM CUSTOMS AND PRACTICE FOR DOCUMENTARY  
CREDITS (1983 REVISION) ICC PUBLICATION NO. 400.

YOURS VERY TRULY,

BANK ONE, INDIANAPOLIS, NA

*Kathleen A. Ernst*  
-----  
AUTHORIZED SIGNATURE

*Michelle B. McNeil*  
-----  
AUTHORIZED SIGNATURE

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: John Osborn Legal Drain

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:  Date: 6/23/88

Type or Printed Name: John V. Schneider

Business Address: 3020 North Post Road, Indianapolis, Indiana 46226

Telephone: (317) 898-8282



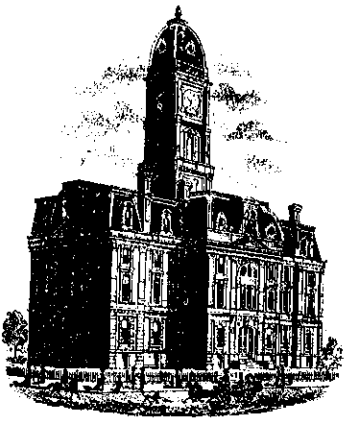
SEAL

INDIANA REGISTRATION NUMBER

14653

**FILED**  
 JUN 23 1988  
 HAMILTON COUNTY DRAINAGE BOARD





SURVEYOR'S OFFICE

# Hamilton County

Kenton C. Ward, Surveyor

776-9626

Noblesville, Ind. 46060 January 9, 1989

TO: Hamilton County Drainage Board

RE: John W. Osborn Drain

On December 5, 1988 I made an inspection of the reconstruction of the J.W. Osborn Drain. This is described in my January 7, 1988 report to the Board under the heading of John W. Osborn Main Ditch. At that time I found the work done on the main ditch to be complete and acceptable.

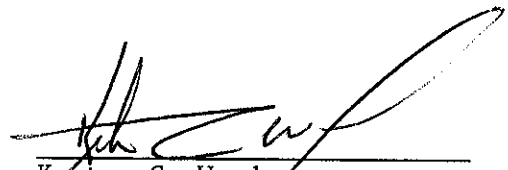
During the construction of the drain, two modifications were made. The first was the addition of an inlet East of Bridleborne. This was installed so as to intercept the storm sewer from Walnut Creek Woods. The second was extending the 24" RCP to a point fifty-two (52') feet West of Towne Road. The reconstructed drain is as follows:

52 feet	Open Ditch	1528 feet	21" RCP	1585 feet	24" RCP
---------	------------	-----------	---------	-----------	---------

The original report should be revised so that the total length of the main ditch is now 3839 feet. Therefore, STA 49+00 is now 38+39 and STA 42+26 (Towne Road) is now 31+65.

All submittals have been made by the developers engineers, Schneider Engineering. At this time I recommend the Board approve the drainage facilities as constructed.

KCW/no

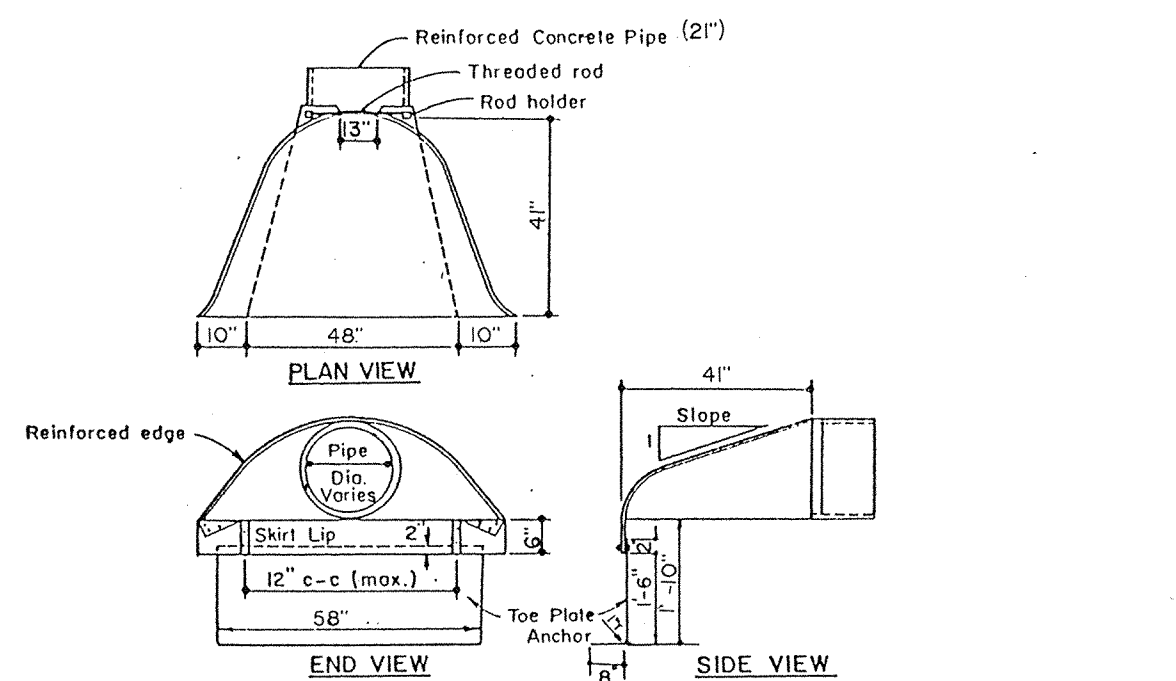

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Kenton C. Ward  
Hamilton County Surveyor

FILED

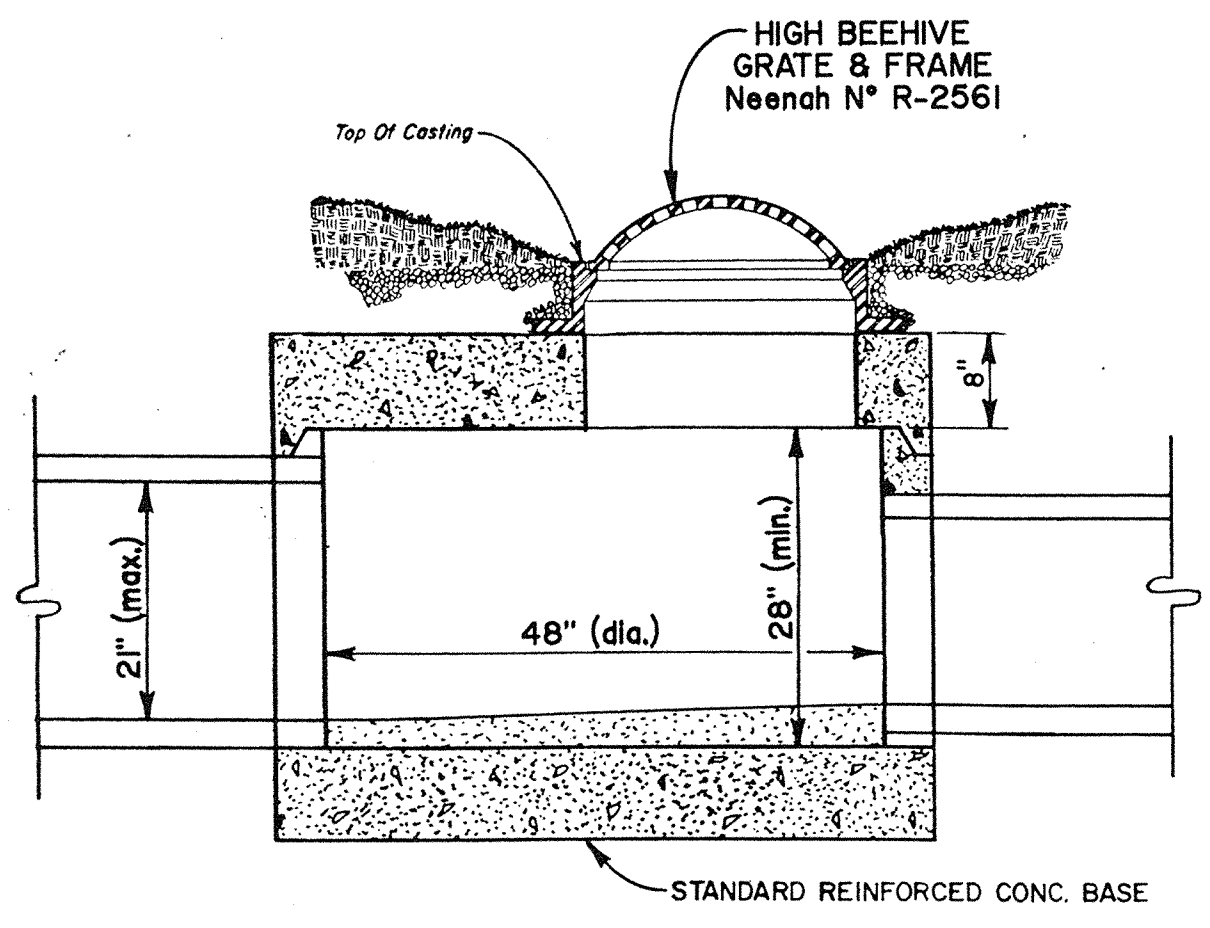
JAN 11 1989

HAMILTON COUNTY CLERK



END SECTION DETAIL

1 SP.1



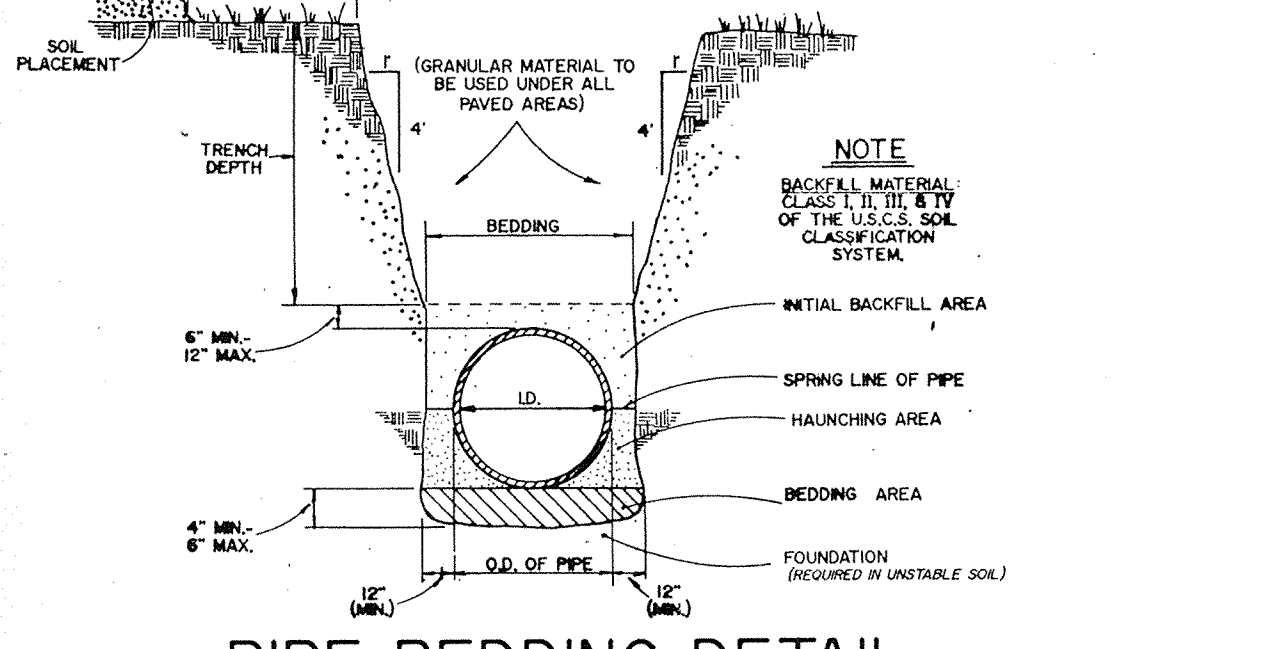
BEEHIVE INLET DETAIL

2 SP.1

REQUIRED COMPACTION TABLE  
AS STANDARD PRACTICE SOCIETY (ASTM D 1557)

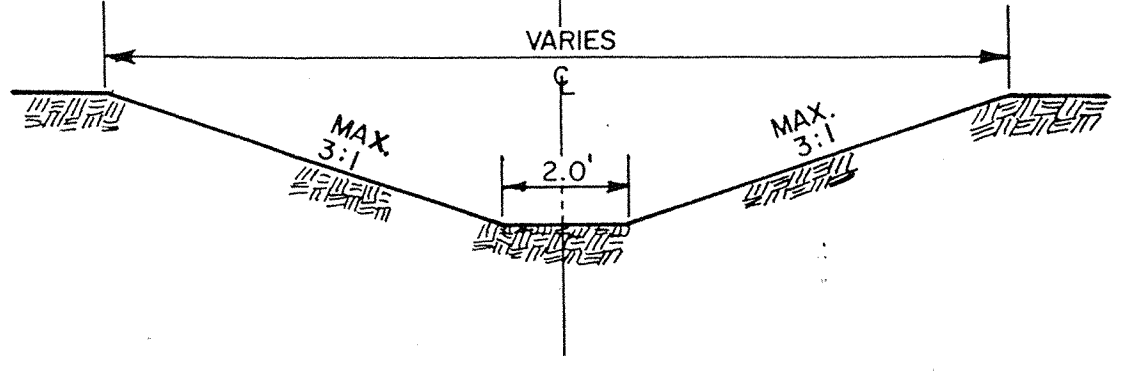
TRENCH AREA	CLASS I	CLASS II	CLASS III	CLASS IV
BEDDING	95%	90%	80%	INDISTURBED BOTTOM
HAUNCH	95%	90%	80%	NO
INITIAL BACKFILL	95%	90%	80%	NO

NOTE: If Class I material is used for bedding, it must also be used for haunching.



PIPE BEDDING DETAIL

3 SP.1



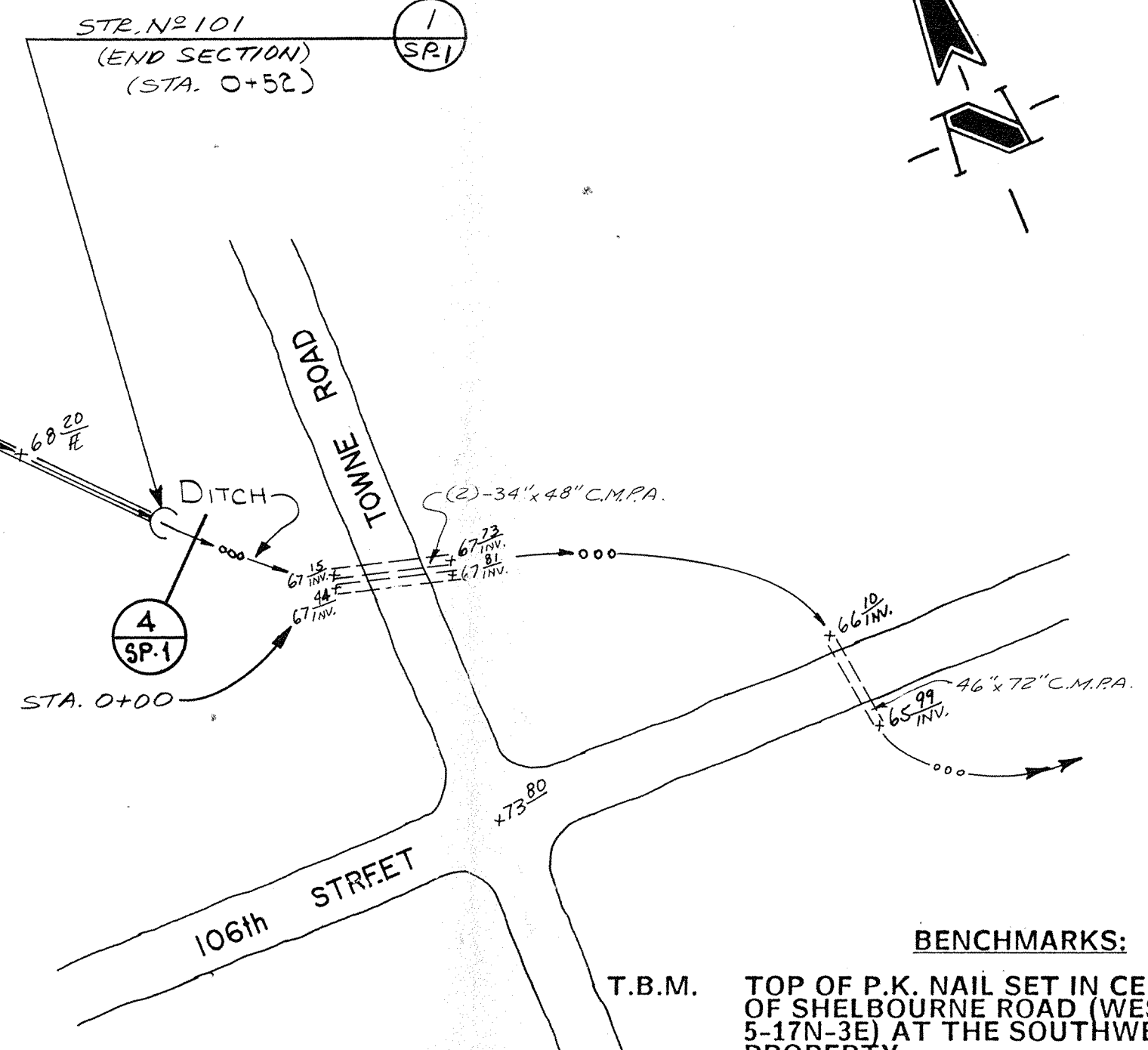
TYPICAL DITCH SECTION

4 SP.1

THOMAS W. & BONNIE G. RILEY

GENERAL NOTES:

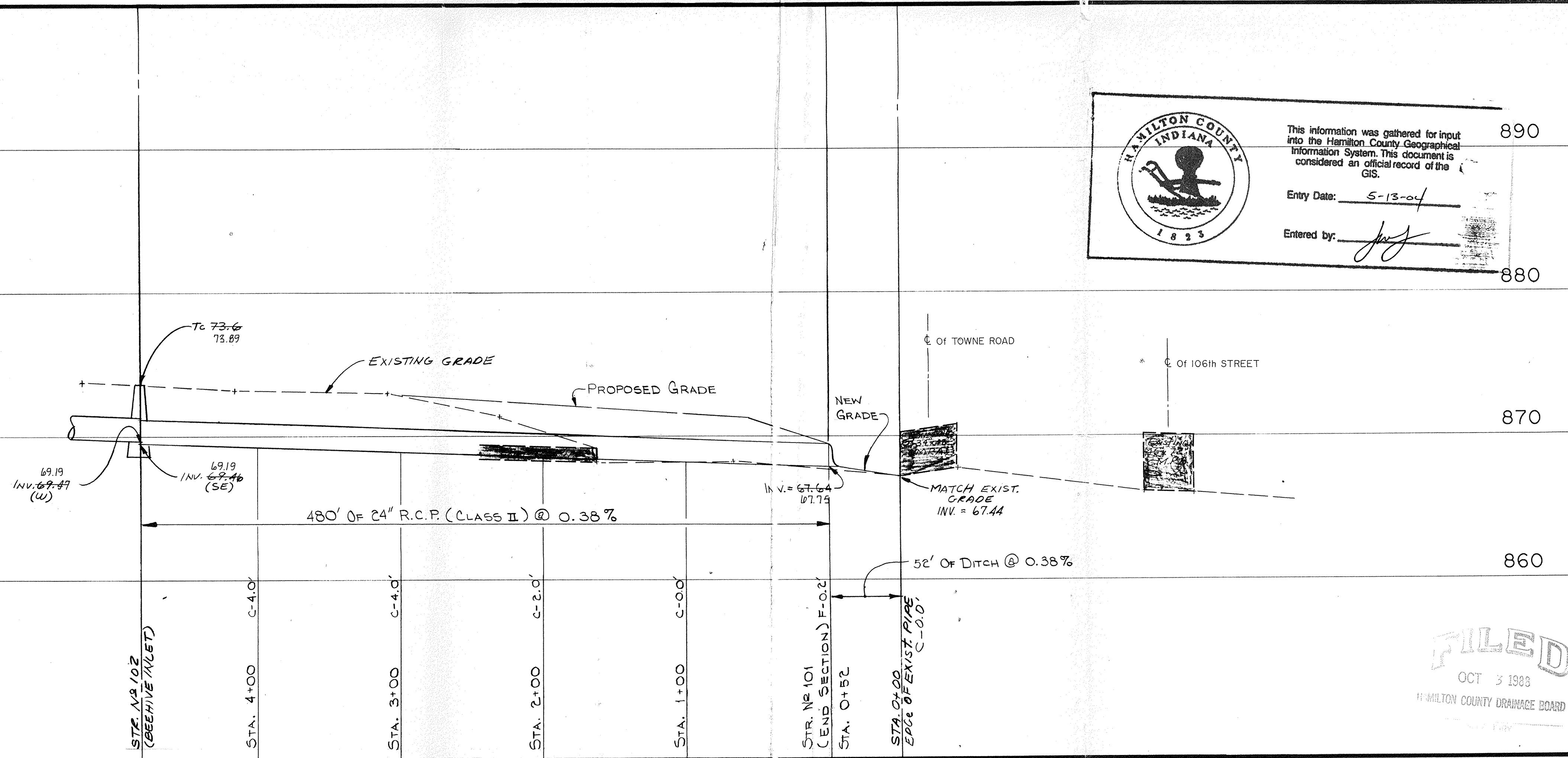
1. ALL CUTS ARE TAKEN FROM THE EXISTING DITCH GRADE TO THE NEW DITCH GRADE OR THE PIPE INVERT.
2. ALL DISTURBED AREAS ARE TO BE GRADED AND SEEDED TO ORIGINAL CONDITION TO INSURE POSITIVE DRAINAGE.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.
5. ALL FIELD TILE ENCOUNTERED SHALL BE CONNECTED TO NEW DRAIN.
6. ALL STATIONING IS TAKEN FROM THE NEAREST DOWNSTREAM STRUCTURE.
7. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.



BENCHMARKS:  
T.B.M. TOP OF P.K. NAIL SET IN CENTERLINE OF SHELBOURNE ROAD (WEST LINE OF SEC. 5-17N-3E) AT THE SOUTHWEST CORNER OF PROPERTY (ELEVATION = 899.59)  
T.B.M. TOP OF RAILROAD SPIKE SET IN CENTERLINE OF SHELBOURNE ROAD (NW. COR. SW. 1/4-SEC. 5-17N-3E) APPROX. 1331.80' NORTH OF THE SOUTHWEST CORNER OF PROPERTY (ELEVATION = 904.39)

PLAN OF STORM SEWER

SCALE: 1" = 50'



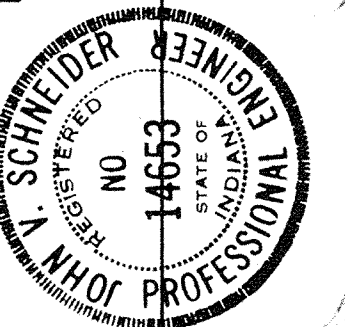
PROFILE OF STORM SEWER

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

HAMILTON COUNTY  
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: 5-13-04  
Entered by: [Signature]

FILED  
OCT 3 1988  
HAMILTON COUNTY DRAINAGE BOARD

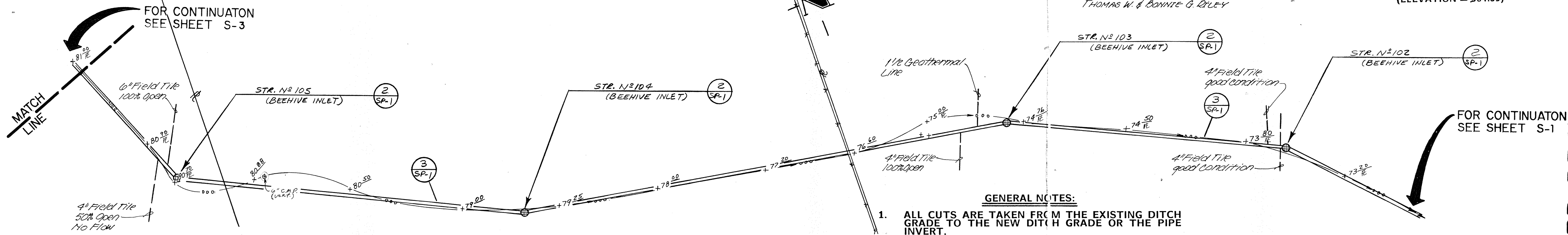
RECORD DRAWING  
STORM SEWER 06/22/88



PROJECT: JOHN OSBORN LEGAL DRAIN RECONSTRUCTION JOB NO. 575  
PREPARED FOR: BRIDLEBOURNE DEV. CO.  
TITLE: PLAN & PROFILE  
SCALE: As Noted

SHEET OF SP.1  
4

FOR CONTINUATION  
SEE SHEET S-3



- GENERAL NOTES:**
1. ALL CUTS ARE TAKEN FROM THE EXISTING DITCH GRADE TO THE NEW DITCH GRADE OR THE PIPE INVERT.
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**BENCHMARKS:**

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HAMILTON COUNTY INDIANA

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Entry Date: 5-13-04

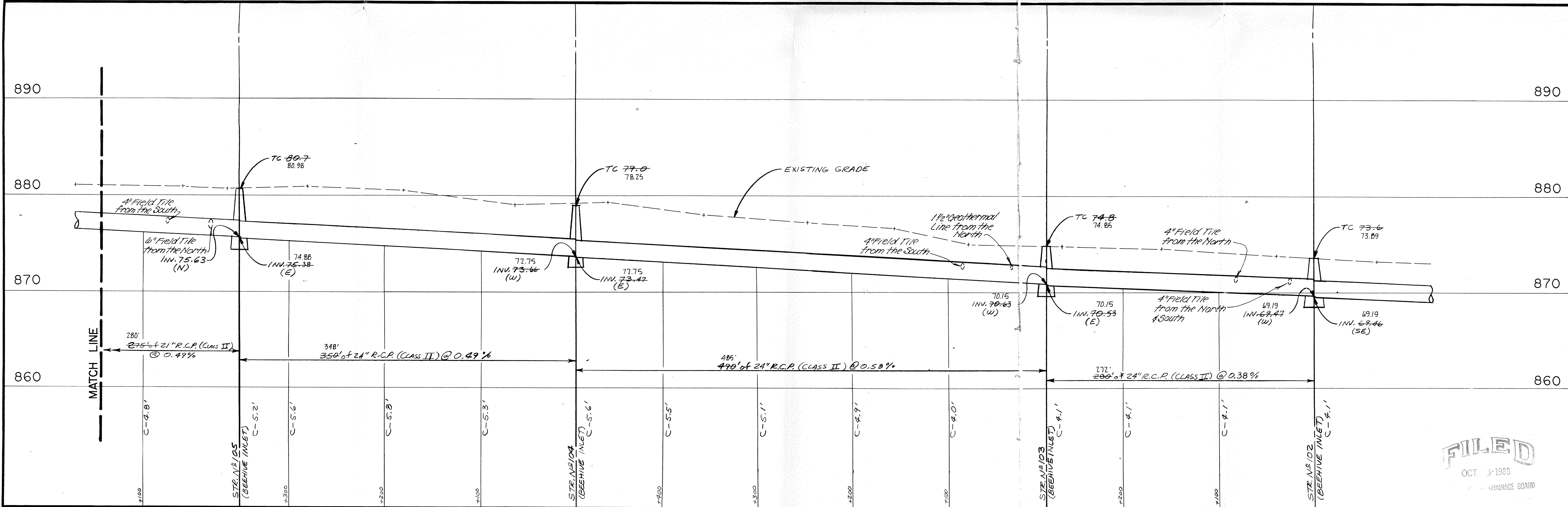
Entered by: [Signature]

RECORD DRAWING  
STORM SEWER 06/22/88

NO.	DATE	CHECKED BY	REVISIONS
1	12-12-87	J.M.B.	NO. 10015
2	11-27-88	J.M.B.	NO. 10015

**PLAN OF STORM SEWER**

SCALE: 1" = 50'



**PROFILE OF STORM SEWER**

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

PROJECT JOHN OSBORN LEGAL DRAIN RECONSTRUCTION

PREPARED FOR BRIDLEBOURNE DEV. CO.

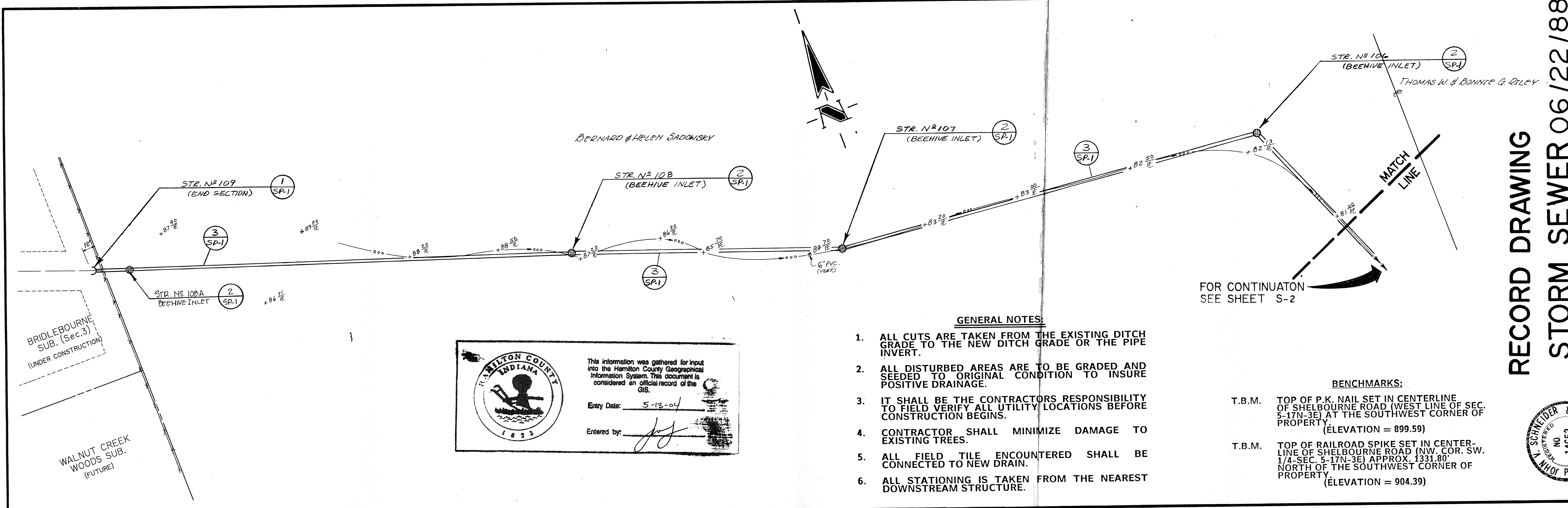
TITLE PLAN & PROFILE

JOB NO. 575

SCALE: As Noted

SCHNEIDER ENGINEERING CORPORATION  
300 NORTH OCEAN ROAD  
INDIANAPOLIS, INDIANA 46245-1818  
civil engineers  
land surveyors

FILED  
OCT 3 1988  
PLANNING BOARD



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: 5-13-04

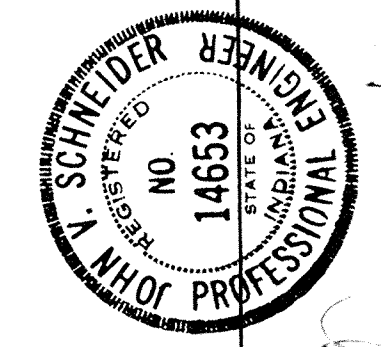
Entered by: [Signature]

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FOR CONTINUATION  
SEE SHEET S-2

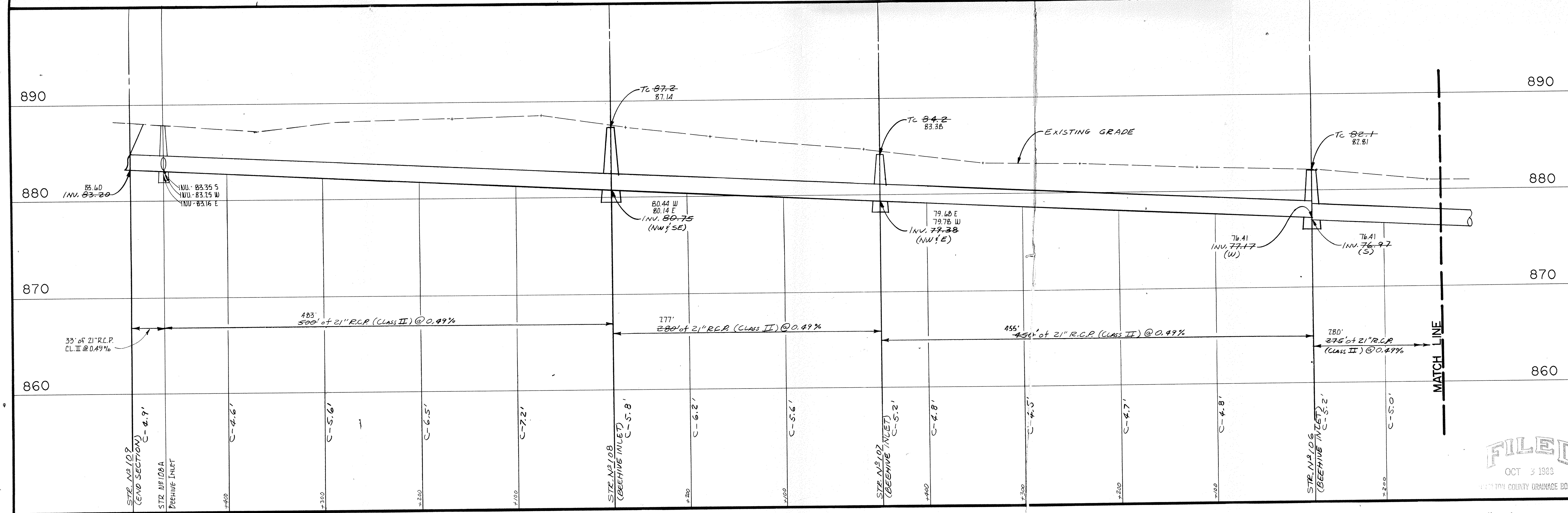
- BENCHMARKS:**
- T.B.M. TOP OF P.K. NAIL SET IN CENTERLINE OF SHELBOURNE ROAD (WEST LINE OF SEC. 5-17N-3E) AT THE SOUTHWEST CORNER OF PROPERTY. (ELEVATION = 899.59)
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**RECORD DRAWING**  
**STORM SEWER 06/22/88**



**PLAN OF STORM SEWER**

SCALE: 1" = 50'



**PROFILE OF STORM SEWER**

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

REVISIONS

NO.	DATE	CHECKED BY	DATE	CHECKED BY
1	06/22/88			

PROJECT: JOHN OSBORN LEGAL DRAIN RECONSTRUCTION  
PREPARED FOR: BRIDLEBOURNE DEV. CO.  
TITLE: PLAN & PROFILE

JOB NO. 575

SCALE: As Noted

FILED OCT 3 1988  
HAMILTON COUNTY DRAINAGE BOARD

SHEET OF SP-3  
4

SCHNEIDER ENGINEERING CORPORATION  
3000 NORTH POST ROAD  
INDIANAPOLIS, INDIANA 46226-6618  
(317) 898-8282  
P.O. BOX 20688

CERTIFIED

