

Drain: CARMEL CREEK DRAIN **Drain #:** 277
Improvement/Arm: SHADYBROOK - SECTION 1
Operator: JDH **Date:** 11-7-03
Drain Classification: Urban/Rural **Year Installed:** 1998

GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH 11-7
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JDH 11-7
- Digitize & Attribute SSD JDH 11-7
- Digitize & Attribute Open Ditch N/A
- Stamp Plans JDH 11-7
- Sum drain lengths & Validate JDH 11-7
- Enter Improvements into Posse JDH 11-7
- Enter Drain Age into Posse JDH 11-17
- Sum drain length for Watershed in Posse JDH 11-17
- Check Database entries for errors JDH 11-7

Mrs. Sharon R. Clark made the motion to approve the Suveryor's maintenance report for Merrimac Drain, seconded by Mr. Steven A. Holt and passed unanimously.

The Board determined in writing that the costs, damages and expenses will be less than the benefits accruing to the owners of land benefited.

The Board then issued an order declaring the maintenance established and marked the findings and publicly announced the order at the meeting.

The Surveyor presented and recommended approval for the non-enforcement request on the Merrimac Drain.

Mrs. Sharon R. Clark made the motion to approve the non-enforcement request on the Merrimac Drain, seconded by Mr. Steven A. Holt and passed unanimously.

The Surveyor informed the Drainage Board that a Letter of Credit will be presented for the Springs of Cambridge-Section 5 to the County Commissioners this afternoon.

Springs of Cambridge-5
Letter of Credit

Surveyor informed the Drainage Board that he is near completion for design on the 206th Street Drain project.

206th Street Project

There were no one present for the maintenance hearing for Carmel Creek Drain-Shadybrook-Arm #1.

Carmel Creek Drain-Shadybrook
Arm #1 Maintenance Hearing

There were no written objections on file.

The Surveyor presented his maintenance report to the Drainage Board. (H.I.)

TO: Hamilton County Drainage Board
February 24, 1995
RE: Shadybrook Section 1 Arm-Carmel Creek

Attached is a petition, non-enforcement request, plans, calculation, quantity summary and assessment roll for the Shadybrook Section 1 Arm-Carmel Creek. 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	1710 feet	18"	RCP	145 feet
12"	RCP	398 feet	21"	RCP	250 feet
15"	RCP	30 feet	24"	RCP	36 feet
15"	CMP	66 feet			

The total length of the drain will be 2,635 feet.

The retention pond (lake) located in Block A 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:
Block E: Rear of Lots 7,8,2,3,17 and 18.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed by the construction of this drain. I recommend a maintenance assessment of \$30.00 per lot. \$5.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$

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 designed as an Urban Drain.

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 easement widths as shown on the secondary plat for Shadybrook Section 1 as recorded in the Office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for April 1995.

Kenton C. Ward,
Hamilton County Surveyor

KCW/no

Mrs. Sharon R. Clark made the motion to approve the Surveyor's maintenance report on the Carmel Creek Drain-Shadybrook Arm #1, seconded by Mr. Steven A. Holt and passed unanimously.

The Surveyor informed the Board that he has a non-enforcement request for this subdivision, but cannot find it right now. He will bring it to the afternoon session.

POWER OF ATTORNEY

Know All Men By These Presents: That FRONTIER INSURANCE COMPANY, a New York Corporation, having its principal office in Rock Hill, New York, pursuant to the following resolution, adopted by the Board of Directors of the Corporation on the 4th day of November, 1985:

"RESOLVED, that the Chairman of the Board, the President, or any Vice President be, and hereby is, authorized to appoint Attorneys-in-Fact to represent and act for and on behalf of the Company to execute bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, and to attach thereto the corporate seal of the Company, in the transaction of its surety business;

"RESOLVED, that the signatures and attestations of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company when so affixed with respect to any bond, undertaking, recognizance or other contract of indemnity or writing obligatory in the nature thereof;

"RESOLVED, that any such Attorney-in-Fact delivering a secretarial certification that the foregoing resolutions still be in effect may insert in such certification the date thereof, said date to be not later than the date of delivery thereof by such Attorney-in-Fact"

This Power of Attorney is signed and sealed in facsimile under and by the authority of the above Resolution.
DOES HEREBY MAKE, CONSTITUTE AND APPOINT: JAMES SCHEER MICHAEL J. SCHEER JAMES J. PETERSON
ALICE RHODS JAMES I. MOORE

in the State of ILLINOIS
and intend to sign, execute, acknowledge and

State of Illinois }
County of Cook } ss:

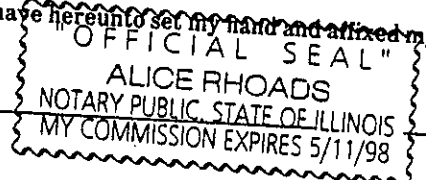
On June 14, 1994
the herein, duly commissioned and sworn, personally appeared

, before me, a Notary Public in and for said County and State, residing
James I. Moore

known to me to be Attorney-in-Fact of Frontier Insurance Company
the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the
said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires



Alice Rhoads
Notary Public

is now in force.
In Testimony Whereof, I have hereunto set my hand, and affixed my official seal at Rock Hill, New York



Christine I. Lane
CHRISTINE I. LANE
Notary Public State of New York
Sullivan County Clerk's No. 1996
Commission Expires May 2, 1994

CERTIFICATION

I, JOSEPH LOUGHLIN, Secretary of FRONTIER INSURANCE COMPANY of Rock Hill, New York, do hereby certify that the foregoing Resolution adopted by the Board of Directors of this Corporation and the Powers of Attorney issued pursuant thereto, are true and correct, and that both the Resolution and the Powers of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the facsimile seal of the corporation this 14th day of June 19 94



Joseph P. Loughlin
JOSEPH LOUGHLIN, Secretary

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that
of the said Principal shall construct, or have constructed, the
improvements herein described and shall save the Obligee harmless
from any loss, cost or damage by reason of its failure to complete
said work, then this obligation shall be null and void, otherwise
to remain in full force and effect, and the Surety, upon receipt
of a resolution of the Village Board indicating that the
improvements have not been installed or completed, will complete
the improvements or pay to the municipality such amount up to the
principal amount of this bond which will allow the municipality
to complete the improvements.

Signed, sealed and dated, this 14th day of June, 1994

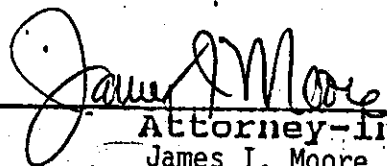
J. P. MORGAN COMPANY, INC.

Principal

FRONTIER INSURANCE COMPANY

Surety

By: _____


Attorney-in-Fact
James I. Moore

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Shadybrook Sections 1 & 2

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 .

Signature:  Date: April 6, 1998

Type or Print Name: Paul C. Claire PE.

Business Address: 301 E. Carmel Dr Suite E-300

Carmel, IN 46032

Telephone Number: 848-2230 ext. 517

SEAL



INDIANA REGISTRATION NUMBER

890267

FILED

APR 07 1998

OFFICE OF HAMILTON COUNTY SURVEYOR



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

April 16, 1998

Re: Carmel Creek Drain: Shadybrook Sec. 1 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Shadybrook 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 February 24, 1995. The changes are as follows:

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

117		759.84				
109	767.95	761.76	21	237	250	-13
109	767.95	761.84				
106	766.84	762.54	21	145		
106	766.84	762.68				
107	766.71	763	15	30		
107	766.71	763.02				
108	766.18	764.01	12	153	156	-3
102		757.93				
101		757.38	12	84	93	-9
104		759.33				
103		758.93	24	30	36	-6
116		759.92				
112	765.82	762.22	12	48	50	-2
112	765.82	762.22				
111	766.03	762.63	12	30		
115		762.18				
114	765.52	762.67	12	25	26	-1
114	765.52	762.98				
113	770.86	767.74	12	25	26	-1


The length of the drain due to the changes described above is now **2583 feet**.

The non-enforcement was approved by the Board at its meeting on June 5, 1995 and recorded under instrument #9548617.

The bond or letter of credit from Frontier Insurance Company, number 68564; in the amount of \$61,807.00; was released April 13, 1998.

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

Sincerely,



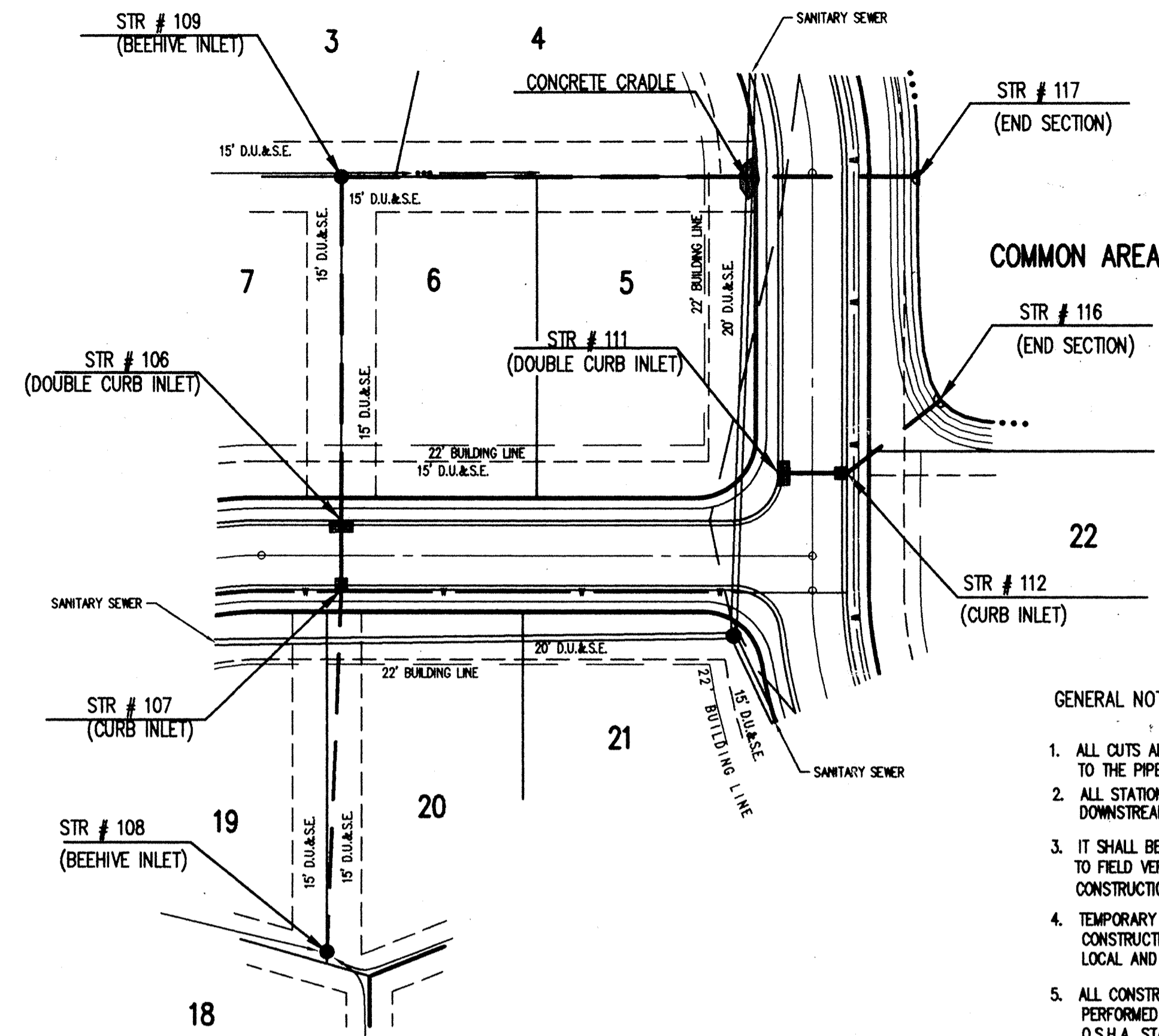
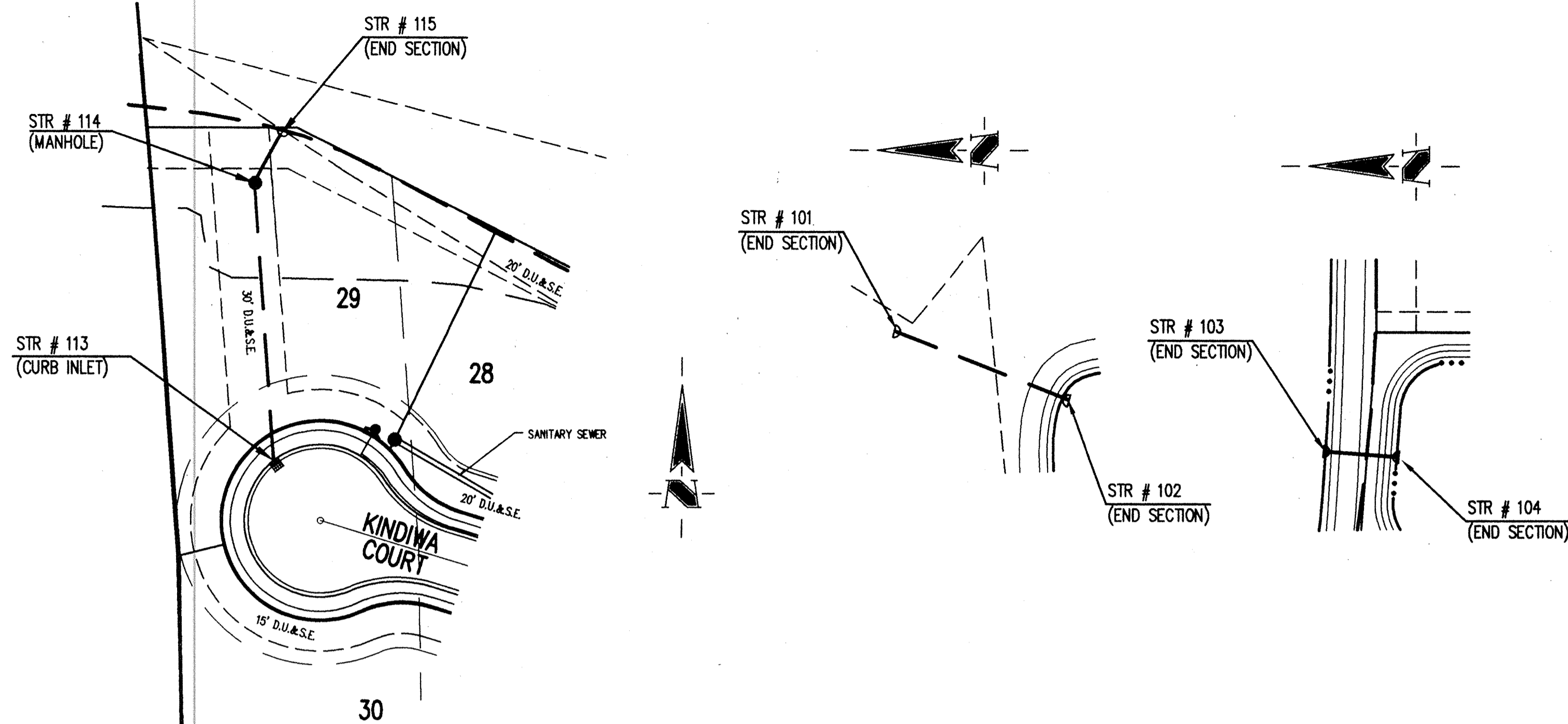
Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

24" RCP	30

Other Drain:	
15" CMP	66

Total Length of Drain: 2583 FT



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 (CALL MONDAY - FRIDAY 7AM - 6PM)
 CALL TOLL FREE
1-800-382-5544
 FOR CALLS OUTSIDE OF INDIANA
1-800-426-8200
 PER INDIANA STATE LAW 15-99-199L
 IT IS AGAINST THE LAW TO EXCAVATE
 WITHOUT NOTIFYING THE UNDERGROUND
 LOCATION SERVICE TWO (2) WORKING
 DAYS BEFORE COMMENCING WORK.

- GENERAL NOTES:
1. ALL CUTS ARE TAKEN FROM THE EXISTING GRADE TO THE PIPE INVERT.
 2. ALL STATIONING IS TAKEN FROM THE NEAREST DOWNSTREAM STRUCTURE.
 3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
 4. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
 5. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
 6. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

BENCH MARKS
 CHISELED SQUARE ON THE SOUTHERN DOWNSTREAM HANDRAIL AT THE WHITE OAK DRIVE BRIDGE OVER CARMEL CREEK (NGVD 1929) ELEV. = 768.45 (PER JOB No. 596)

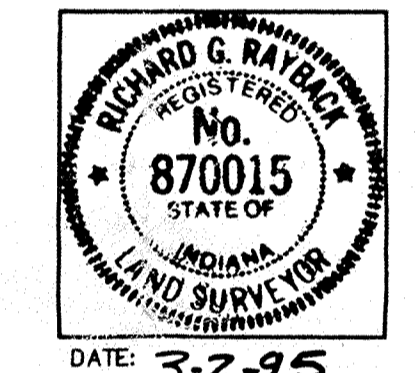
STORM SEWER RECORD DRAWING

STORM SEWER PLAN

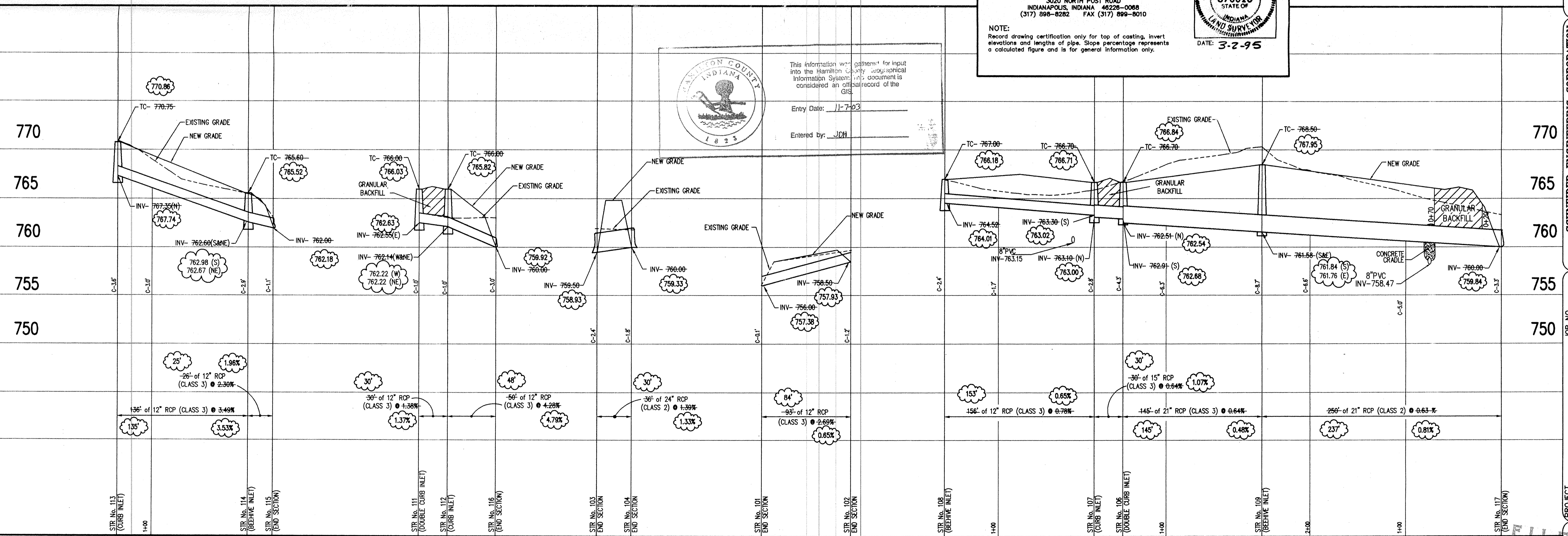
CERTIFICATION FOR "RECORD DRAWING"
Richard G. Rayback
 CERTIFIED BY:
SCHNEIDER ENGINEERING CORPORATION
 3020 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46226-0068
 (317) 898-8282 FAX (317) 899-8010

NOTE:
 Record drawing certification only for top of casing, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 3-2-95



SCALE: 1"=50'



STORM SEWER PROFILE

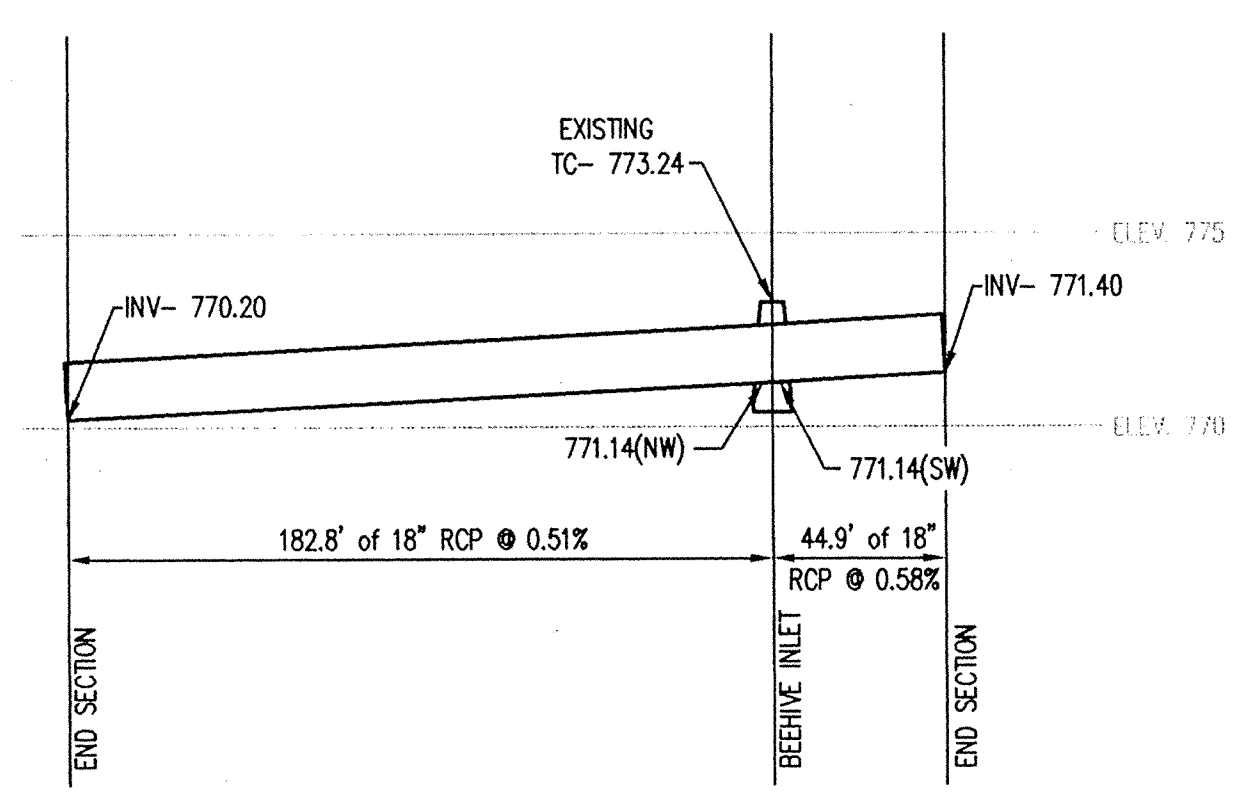
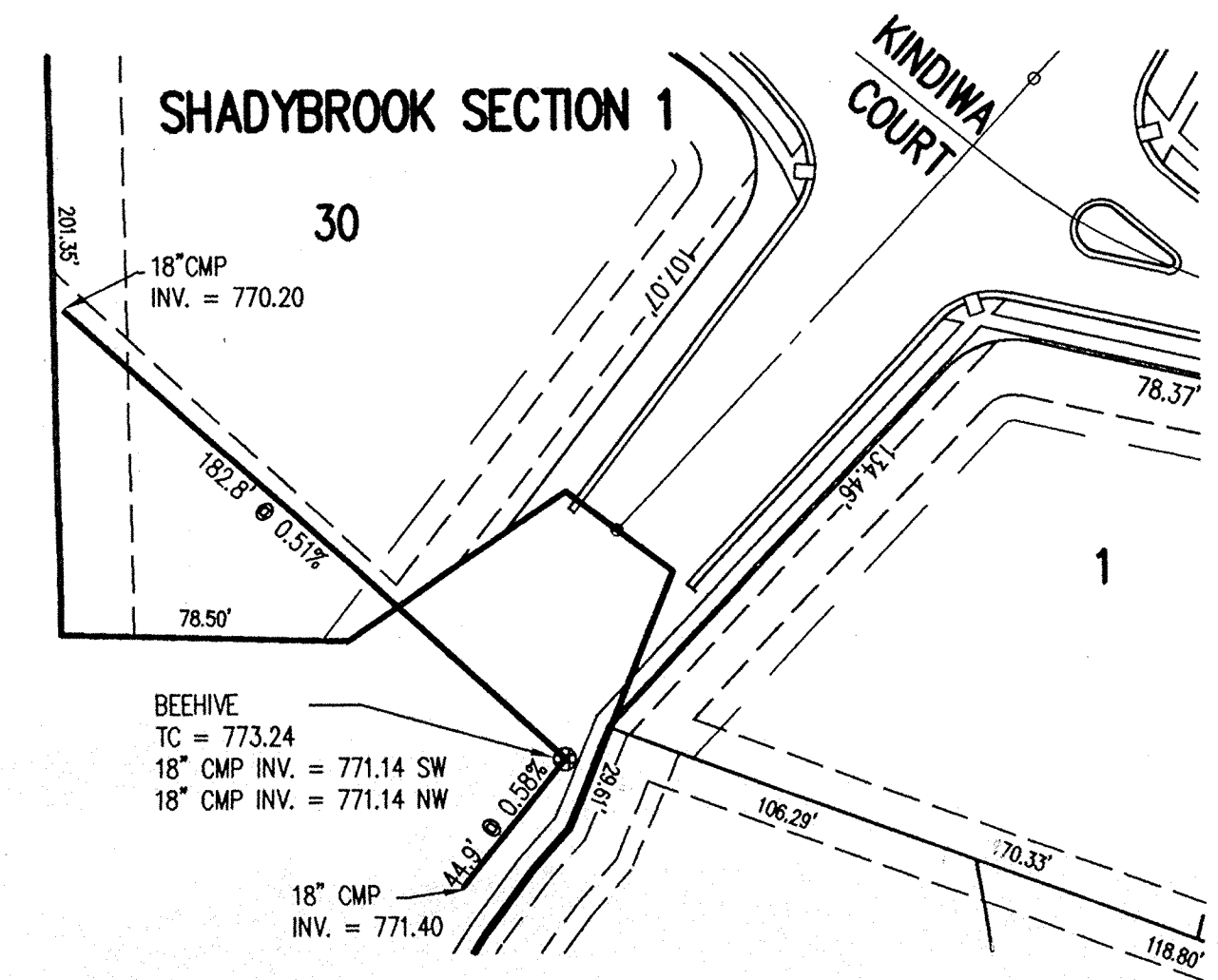
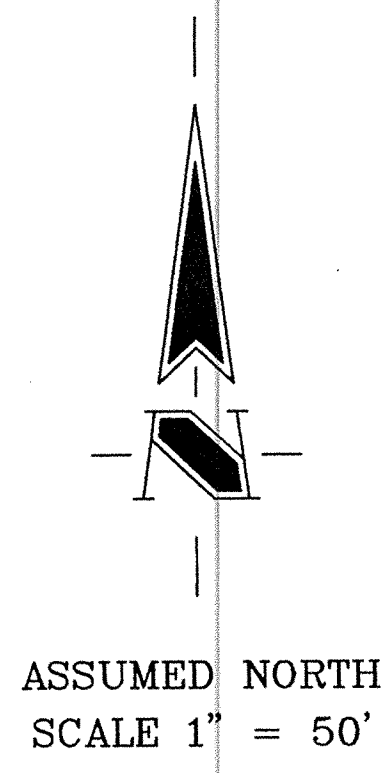
SCALE: HORIZ.: 1"=50'
 VERT.: 1"=5'

DATE	CHECK NO.	BY	DATE	CHECK NO.	BY
1/24/94	1	TD			

SCHNEIDER ENGINEERING CORPORATION
 Professional Engineers
 Land Planners
 Land Surveyors
 Geologists
 3020 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46226-0518
 Telephone: (317) 898-8282
 Fax: (317) 899-8010

PROJECT: SHADYBROOK SECTION 1
 PREPARED FOR: C. P. MORGAN COMPANY, INC.
 TITLE: STORM SEWER PLAN
 JOB NO. 903.01
 SHEET 9-12
 15

STORM SEWER RECORD DRAWING



CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *Viggo D. Conover*

SCHNEIDER ENGINEERING CORPORATION
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(317) 898-8282 FAX (317) 899-8010

NOTE:
Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 12/12/96

THE STRUCTURES DEPICTED ON THIS SHEET WERE NOT A PART OF THE ORIGINAL PLANS FOR THIS SUBDIVISION AND WERE NOT DESIGNED BY SCHNEIDER ENGINEERING CORPORATION, HOWEVER THE LOCATION OF THE STRUCTURES AND THE ELEVATIONS DEPICTED HEREON WERE MEASURED AFTER CONSTRUCTION BY SCHNEIDER ENGINEERING PERSONAL.

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: 11-7-03

Entered by: JDH

Revisions
CERTIFIED BY: _____
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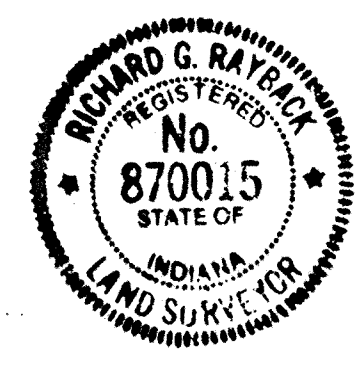
C.P. MORGAN COMMUNITIES, L.P. SHADYBROOK SECTION 1 HAMILTON COUNTY, INDIANA			
STORM SEWER RECORD DRAWING			
Date 12/12/96	Project No. 903.01	Drawn F. CLM	Approv.
Computer Files s:\903\DWG\90301E.DWG	Sheet No. MAR 12 1997 OFFICE OF HAMILTON COUNTY SURVEYOR		
OF 1			

J:\903\DWG\90301E Thu Dec 12 12:36:53 1996

CERTIFICATION FOR GRADING AND DRAINAGE ONLY.

Richard J. Morgan
 CERTIFIED BY:

DATE: 11-7-94



STR #	STA/OFFSET	BASE	TYPE	TC	INVERTS
101	00+33.42 112.95 RT	MAQUA CT.	END SECTION		756.00
102	00+46.00 78.55 RT	MAQUA CT.	END SECTION		758.50
103	01+46.00 78.55 LT	MAQUA CT.	END SECTION		759.50
104	01+42.36 221.63	MAQUA CT.	END SECTION		760.00
106	02+04.50 15.00 RT	MAQUA CT.	END SECTION		762.00
107	02+04.50 15.00 LT	MAQUA CT.	END SECTION		763.00
108	02+04.50 15.00 RT	MAQUA CT.	END SECTION		764.00
109	02+04.50 15.00 LT	MAQUA CT.	END SECTION		765.00
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113	02+04.50 15.00 LT	MAQUA CT.	END SECTION		769.00
114	02+04.50 15.00 RT	MAQUA CT.	END SECTION		770.00
115	02+04.50 15.00 LT	MAQUA CT.	END SECTION		771.00
116	02+04.50 15.00 RT	MAQUA CT.	END SECTION		772.00
117	02+04.50 15.00 LT	MAQUA CT.	END SECTION		773.00

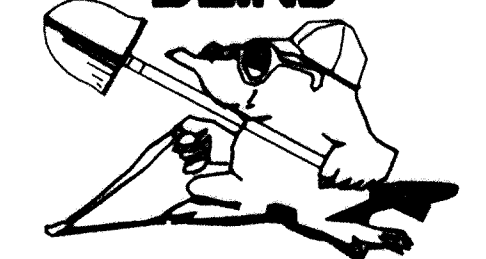
ASSUMED NORTH
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LEGEND

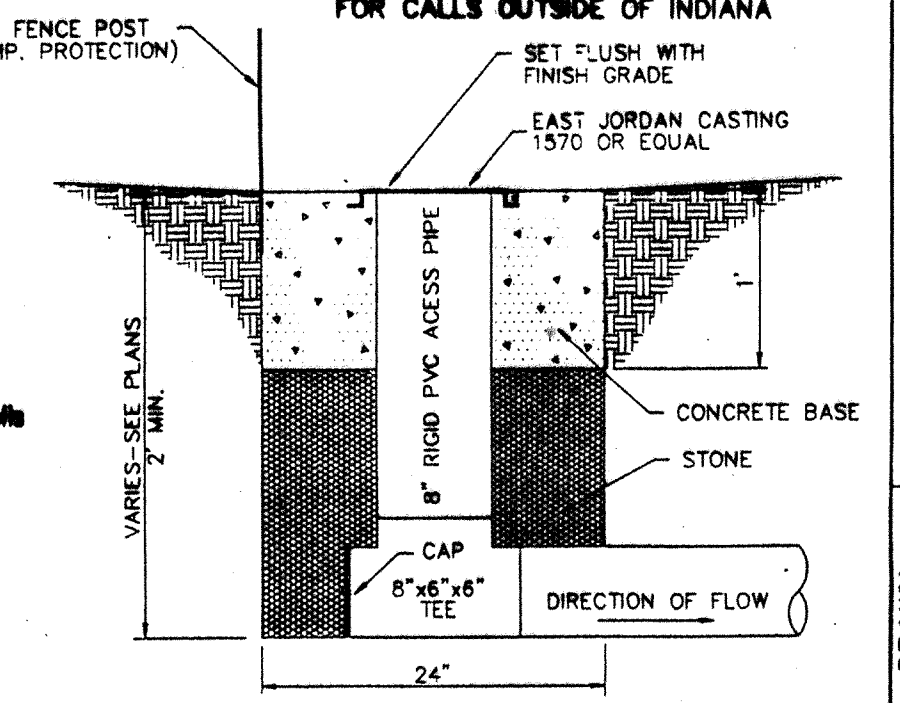
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- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Sewer
- Existing Contour
- Existing Elevation
- New Pavement Grade
- All Other Finish Grades
- Flow Arrow
- PAD GRADE
MIN. F.F. ELEV.
- Swale (1)
- Swale
- Water Main
(Shown for reference only - Final design & installation by the Indianapolis Water Company)
- Centerline Monument
- Storm Structure Number
- Sanitary Structure Number
- 6" Subsurface Drain W/
4" Tee Service & RISER

HOLEY MOLEY SAYS

"DON'T DIG BLIND"

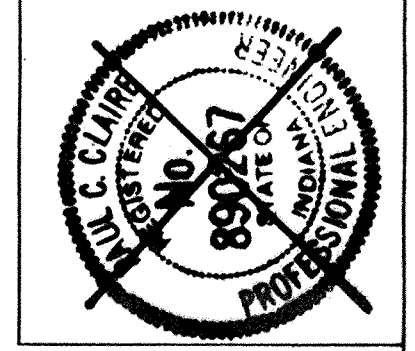


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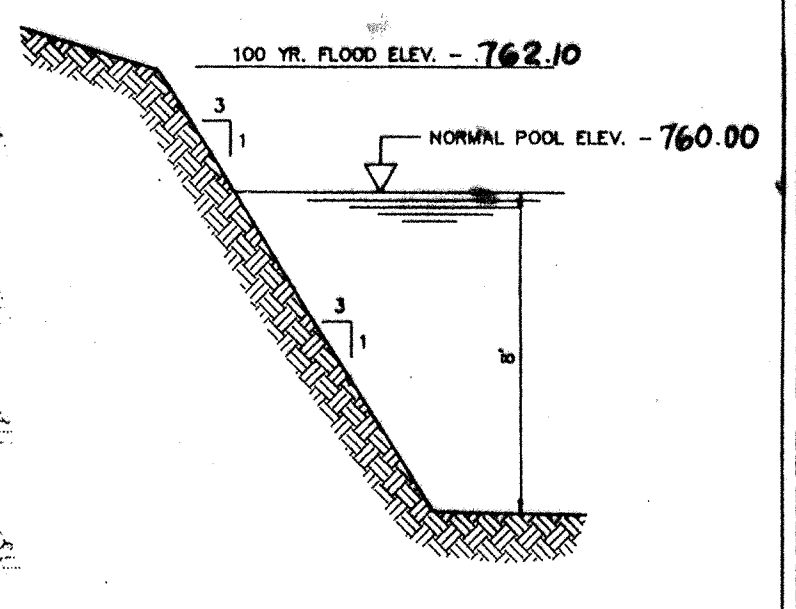
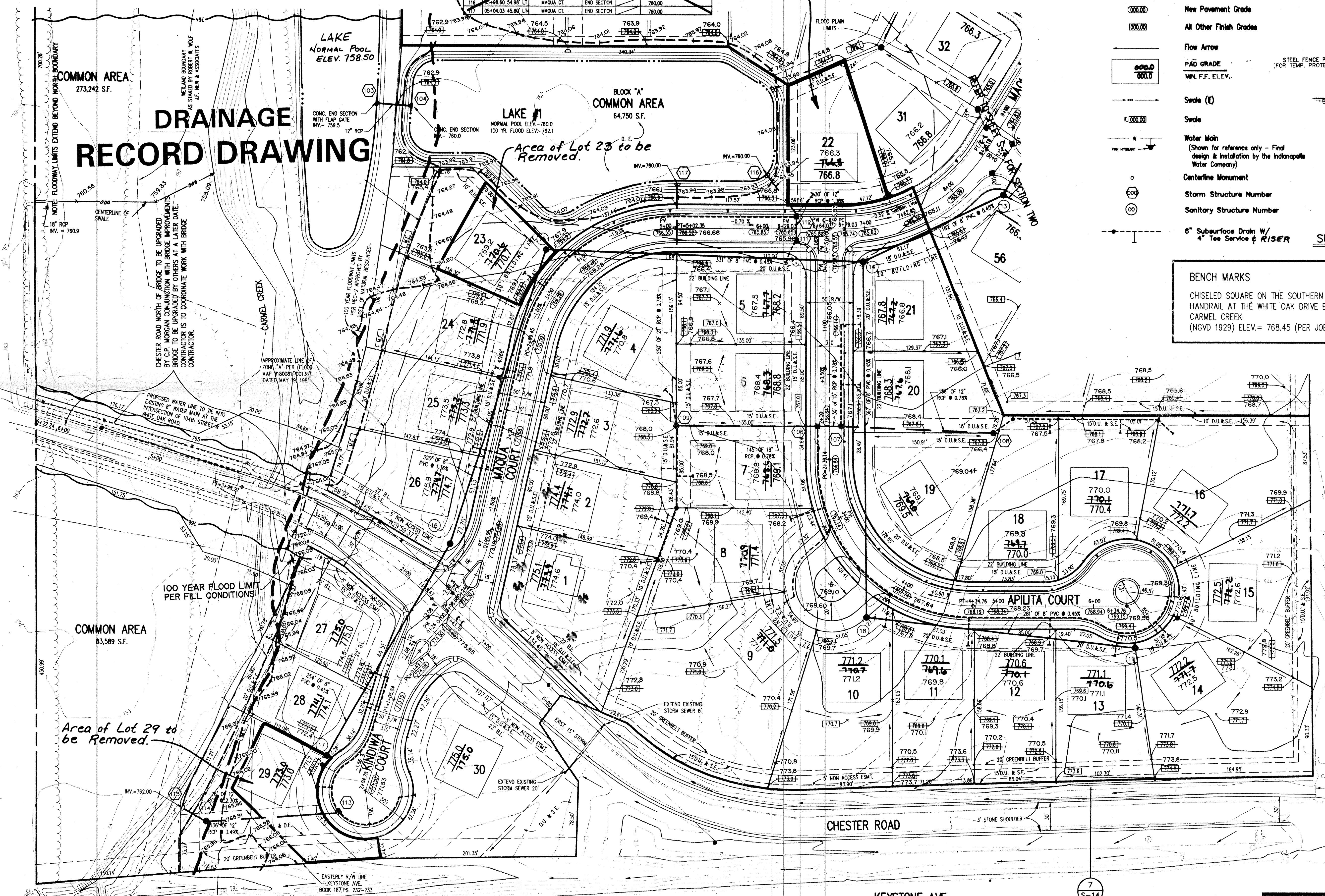


SUBSURFACE DRAIN RISER DETAIL

BENCH MARKS
 CHISELED SQUARE ON THE SOUTHERN DOWNSTREAM HANDRAIL AT THE WHITE OAK DRIVE BRIDGE OVER CARMEL CREEK
 (NGVD 1929) ELEV.= 768.45 (PER JOB No. 596)

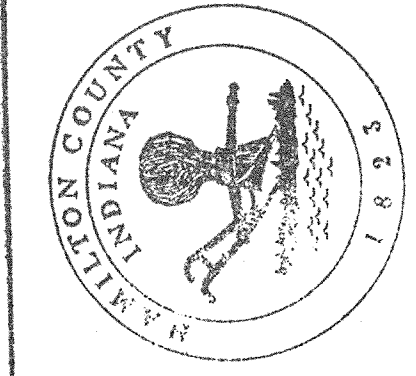


DRAINAGE RECORD DRAWING



LAKE CROSS SECTION

This information was gathered for input into the Hamilton County Geographical Information System (GIS).
 Entered by: JDA
 Entry Date: 11-7-93



NOTE:
 REFER TO SHEET S-4 FOR DEVELOPMENT PLAN NOTES

SCHNEIDER ENGINEERING CORPORATION
 Land Surveyors, Engineers, Geologists
 5535 S. US 40, Suite 500
 DANVILLE, INDIANA 46128-6518
 Telephone: (317) 898-8292
 Fax: (317) 899-8010

PROJECT: SHADYBROOK SECTION 1
PREPARED FOR: C.P. MORGAN
TITLE: DEVELOPMENT PLAN

JOB NO.: 903.01
DATE: MAR 12 1995
SHEET: 3
SCALE: SHOWN

15



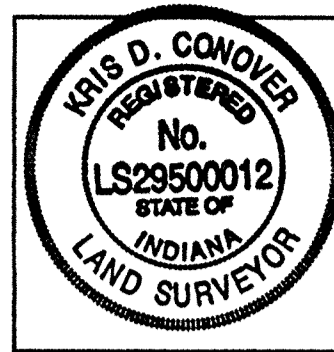
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Entry Date: 11-7-03

Entered by: JDH

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *Kris D. Conover*
SCHNEIDER ENGINEERING CORPORATION
3020 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46228-0068
(317) 898-8282 FAX (317) 899-8010



NOTE:
Record drawing certification only for the sub surface drain locations. The locations shown hereon are based upon engineering plans prepared 1-25-94. No verification of these locations have been performed.

DATE: 12/13/96

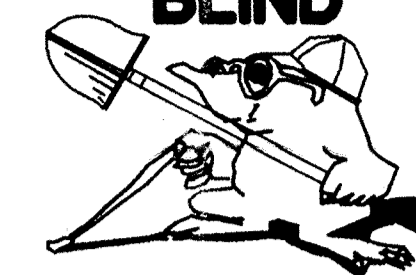
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SCALE: 1"=50'

LEGEND

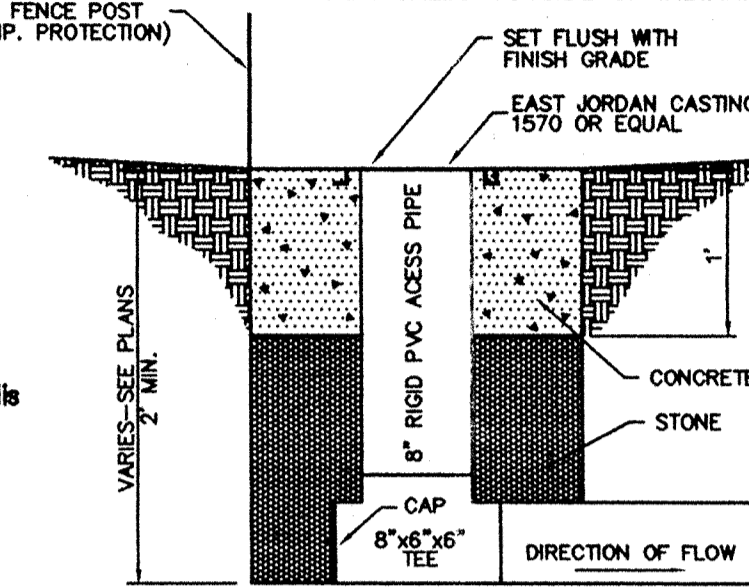
- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Sewer
- Existing Contour
- Existing Elevation
- New Pavement Grade
- All Other Finish Grades
- Flow Arrow
- Pad Grade
Min. F.F. Elev.
- Swale (L)
- Swale
- Water Main
(Shown for reference only - final design & installation by the Indianapolis Water Company)
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FOR CALLS OUTSIDE OF INDIANA

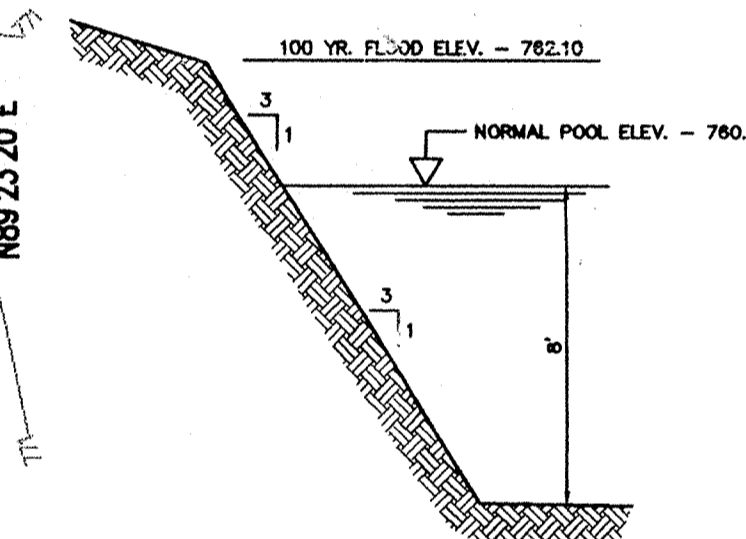


SUBSURFACE DRAIN RISER DETAIL

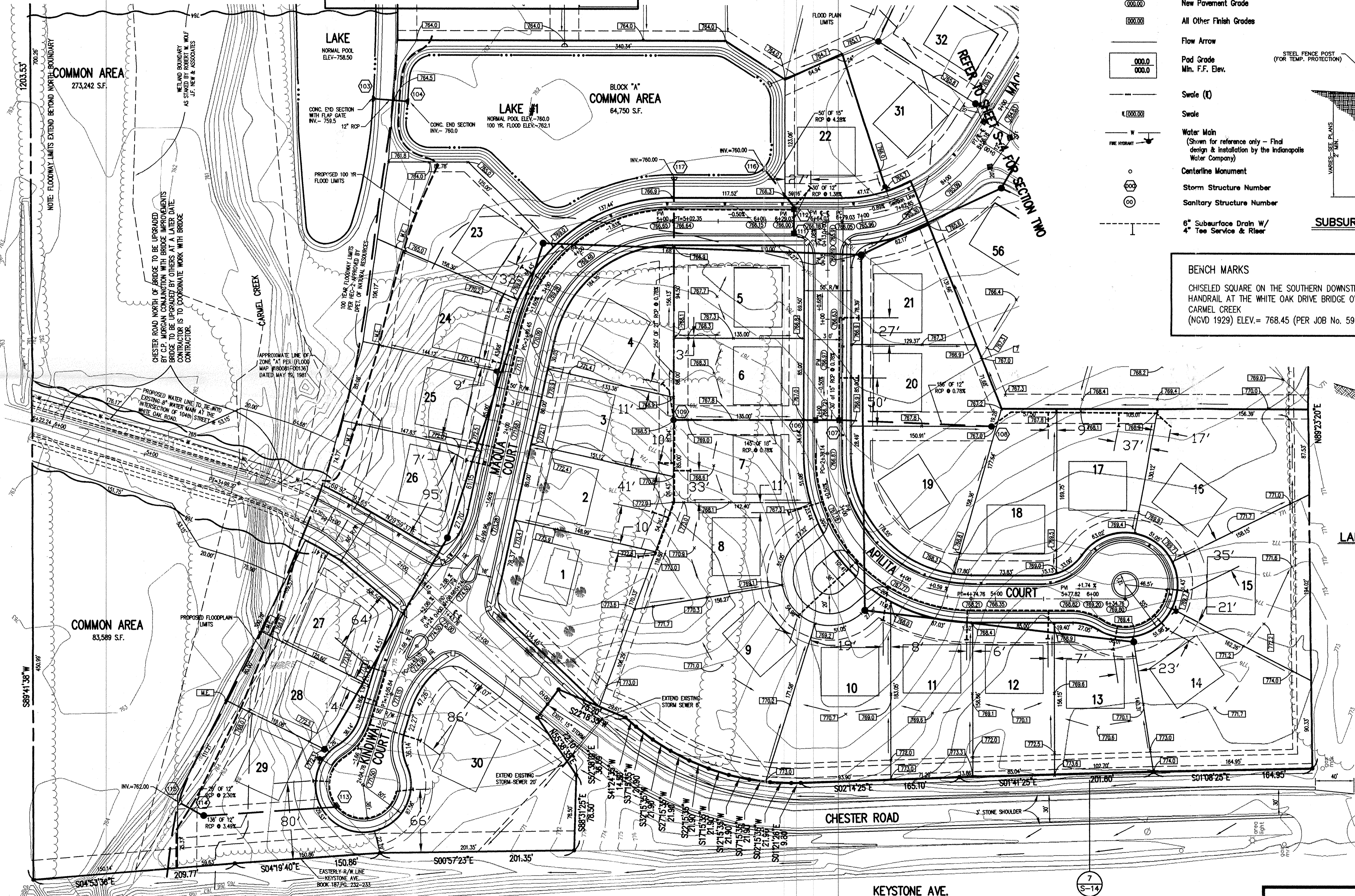
BENCH MARKS

CHISELED SQUARE ON THE SOUTHERN DOWNSTREAM HANDRAIL AT THE WHITE OAK DRIVE BRIDGE OVER CARMEL CREEK (NGVD 1929) ELEV. = 768.45 (PER JOB No. 596)

LAKE CROSS SECTION



SUB SURFACE DRAIN RECORD DRAWING



NOTE:
REFER TO SHEET S-4 FOR DEVELOPMENT PLAN NOTES

NO.	DATE	BY	CHECKED	REVISIONS
1	1-25-94	DMW	DMW	REVISIONS
2	4-22-94	DMW	DMW	REVISIONS
3	1-25-94	DMW	DMW	REVISIONS

SCHNEIDER ENGINEERING CORPORATION
 • Professional Engineers
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8845 EAST US 36, SUITE 600
 8200 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46228-6518
 Telephone (317) 898-8282
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PROJECT: SHADYBROOK SECTION 1
 SHEET: S-3
 PREPARED FOR: C.P. MORGAN
 TITLE: DEVELOPMENT PLAN

JOB NO. 903.01
 DATE: MAR 12 1998
 SCALE: SHOWN