

Drain: CARMEL CREEK DRAIN **Drain #:** 277
Improvement/Arm: SHADYBROOK - SECTION 2
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 JDH 1-6
- 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 11-7
- Sum drain length for Watershed in Posse JDH 11-7
- Check Database entries for errors JDH 11-7

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: CARMEL CREEK DRAIN - SHADYBROOK - SECTION 2

Drain Type:	Size:	Length (SURVEYOR'S REPORT)	Length (DB Query)	Length Reconcile	If Applicable:	
					Price:	Cost:
SSD	6"	2,660'	1,235'	-1,425'	\$2.00	\$2,470.00
RecP	15"	125'	125.4'	+ .4'	9.50	1,191.30
	24"	345'	346.4'	+1.4'	18.00	6,235.00
	30"	131'	131.9'	+ .9'	24.60	3,249.74
OPEN DITCH		1510'	1625'	+115	19.55	31,768.75

Sum: 4,771' 3,463.7' -1,307.3' *\$44,909.79

Final Report: _____

Comments:

SURVEYOR'S REPORT LENGTHS FOR 15", 24", & 30" DO NOT AGREE WITH LENGTHS SHOWN ON AS-BUILTS.

SURVEYOR'S REPORT DID NOT GIVE TOTAL LENGTH OF SSD. THIS FIGURE CAME FROM TOTAL LENGTH ON REPORT, MINUS KNOWN LENGTHS ON OTHER DRAINS TO GET THIS LENGTH FOR SSD.

* Final Report did not list open ditch given on Surveyor's initial report

* Final Report references Bond amounts.

DRB 4

August 21, 1996

To: Hamilton County Drainage Board
Re: Elwood Wilson Drain

I have reviewed a complaint regarding the drainage break between the drainage sheds of the F.M. Musselman and Elwood Wilson Drain. Upon an onsite inspection and meeting with Mr. & Mrs. Wethington I agree with their opinion that their tract 07-28-00-00-014.004 should not be assessed to the Elwood Wilson Drain.

I recommend that the above mentioned tract be removed from the Elwood Wilson assessment.

Sincerely,

Kenton C. Ward
Hamilton County Surveyor

KCW/ndw

Mr. Dillinger made the motion to approve the report, seconded by Mrs. Clark and passed unanimously.

The following landowners were present for the maintenance hearings on the Crooked Creek Drain-Hamilton Business Park and Park Northwestern Drain-Hamilton Business Park: Von Ballew and Deborah Robinson.

Maintenance hearing on the Crooked Creek Drain-Hamilton Business Park and Park Northwestern Drain-Hamilton Business Park

There were nine (9) written objections on file, representing 1.620% of the cost.

Mr. Holt asked that the Surveyor discuss with Mrs. Robinson the culvert crossing at 96th Street.

The Surveyor presented his maintenance report and a slide presentation.

The Board's Attorney stated at this point that this should be a reconstruction hearing, not a maintenance hearing.

After discussion, Mrs. Clark made the motion to table this hearing until she can take a look at the area. This motion did not receive a second.

Mrs. Clark made the motion to deny the maintenance hearings and set reconstruction hearings for October 1996 for Crooked Creek Drain and Park Northwestern Drain-Hamilton Business Park, seconded by Mr. Dillinger and passed unanimously.

President Holt asked that the Surveyor or a member of his staff meet with Mrs. Robinson and discuss the matter of Urban drain easement.

There were no landowners present nor written objections on file for the maintenance hearing on Carmel Creek Drain-Shady Brook Section 2 Arm.

Maintenance hearing on Carmel Creek Drain-Shady Brook Section 2 Arm

The Surveyor presented his maintenance report to the Board.

June 12, 1996

To: Hamilton County Drainage Board
Re: Carmel Creek Drain, Shady Brook Section 2 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Shady Brook Section 2 Arm Carmel Creek 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	1170ft	30" RCP	122ft
15" RCP	119ft	Open Ditch	1510 ft
24" RCP	349ft		

The total length of the drain will be 3270 feet.

The open ditch listed above includes Carmel Creek from the east end of the box culvert under US 431 to the east boundary of the section. It also includes the open ditch across Block C from the 18" RCP from Leising Estates on the north line of Block C to Carmel Creek.

The retention pond (lake) located in Block C 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 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. Only the main SSD lines which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

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 \$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 \$870.00.

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.

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 2 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for August 1996.

Kenton C. Ward
Kenton C. Ward
Hamilton County Surveyor

KCW/ndw

After discussion, Mr. Dillinger made the motion to approve the Surveyor's report, seconded by Mrs. Clark 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.

FINDINGS AND ORDER
CONCERNING THE MAINTENANCE OF THE
Carmel Creek Drain-Shady Brook Section 2 Arm

On this 26th day of August 1996, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the Carmel Creek Drain-Shady Brook Section 2 Arm
This copy printed from the Digital Archive of the Hamilton County Surveyor's Office, One Hamilton Co. Square, Ste. 188, Noblesville, In 46060

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 17, 1998

Re: Carmel Creek Drain: Shadybrook Sec. 2

Attached are as-builts, certificate of completion & compliance, and other information for Shadybrook Sec. 2. 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 June 12, 1996. The changes are as follows:

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

129	764.59	761.7				
128	764.67	761.64	24	41		
128	764.67	761.64				
127	764.83	761.62	24	36		
127	764.83	761.53				
126	765.75	761.26	24	19		
126	765.75	761.29				
123	764.66	760.61	24	117	119	-2
125	764.42	761.57				
124	764.19	761.14	24	30		
124	764.19	761.14				
123	764.66	760.61	24	102	104	-2
123	764.66	760.31				
122		759.96	30	131	122	9
121	769.99	760.75				
120		759.93	15	125	119	6

The length of the drain due to the changes described above is now **3261 feet**.

The non-enforcement was approved by the Board at its meeting on August 26, 1996 and recorded under instrument #9609648474.

The bond or letter of credit from Frontier Insurance Company, number 86395 and 86390; in the amount of \$7,992.00 and \$29,836.00; was released April 13, 1998.

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

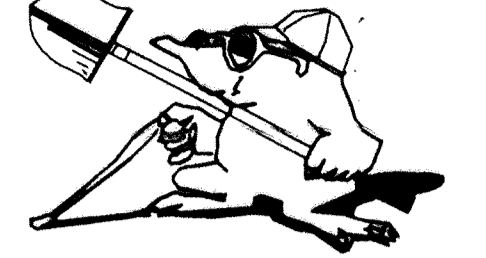
Sincerely,

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

Kenton C. Ward,
Hamilton County Surveyor

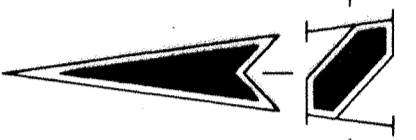
KCW/slm

**HOLEY MOLEY SAYS
"DON'T
DIG
BLIND"**

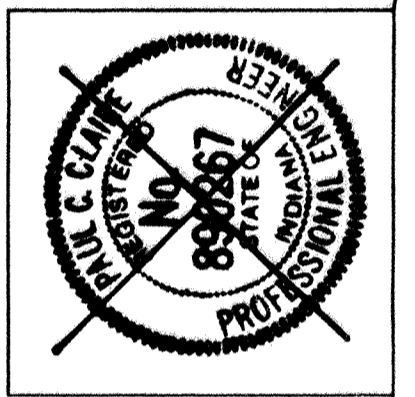


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1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

PER INDIANA STATE LAW IS-69-1991,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.



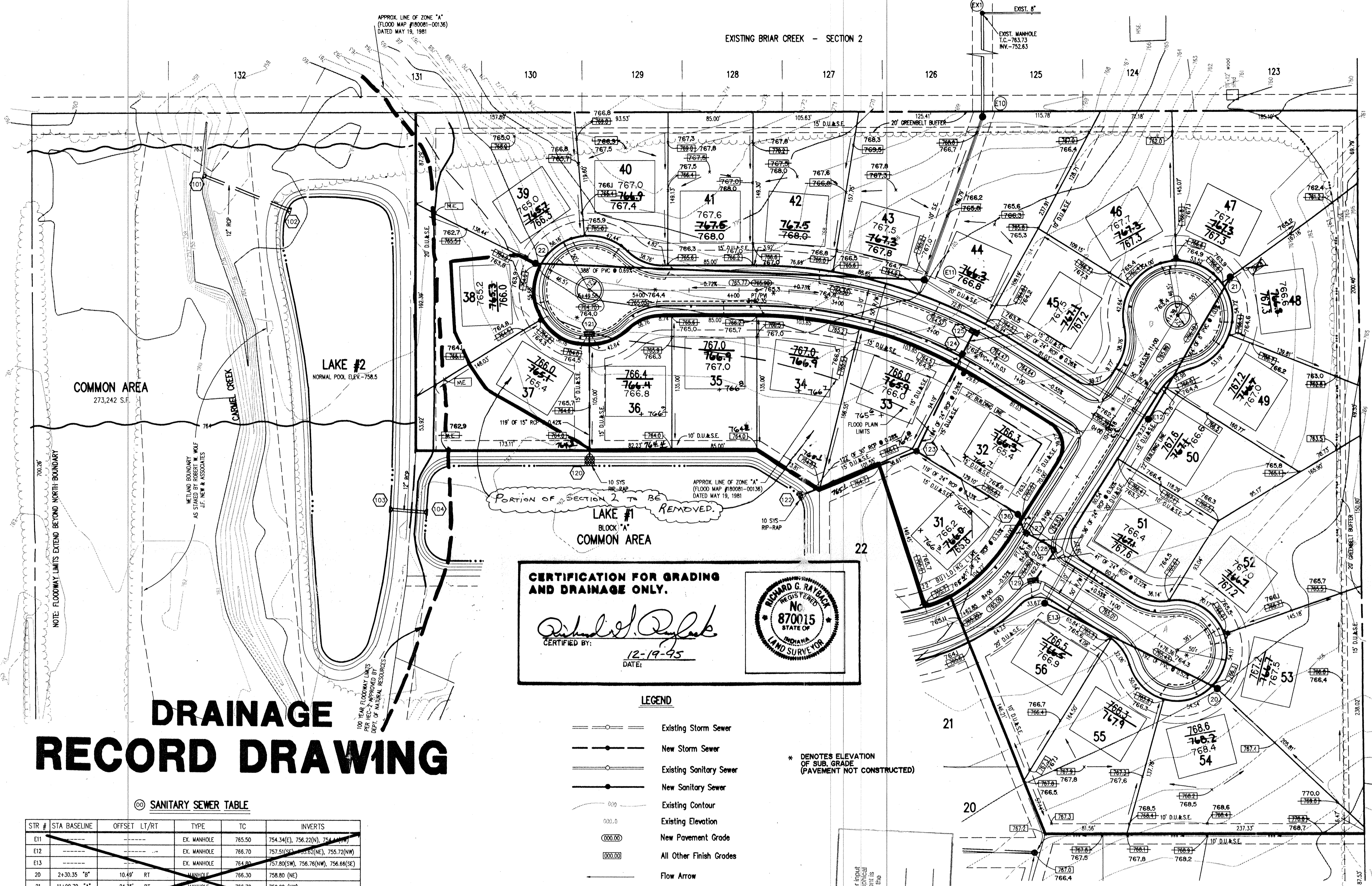
ASSUMED NORTH
SCALE: 1"=50'



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)

- GENERAL NOTES:**
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
 - IT SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. THE SUBCONTRACTOR SHALL NOTIFY IN WRITING THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
 - STANDARD SPECIFICATIONS FOR CITY OF CARMEL SHALL APPLY FOR ALL SANITARY SEWERS.
 - ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
 - THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
 - SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4' IN WIDTH.
 - 4" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
 - TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
 - ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
 - CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

EXISTING BRIAR CREEK - SECTION 2



CERTIFICATION FOR GRADING AND DRAINAGE ONLY.

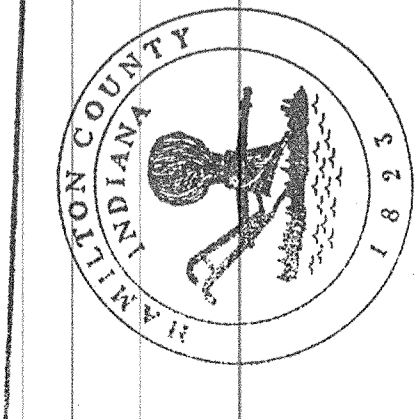
Richard G. Ralback
CERTIFIED BY:
DATE: 12-19-95

RICHARD G. RALBACK
REGISTERED
No. 870015
STATE OF INDIANA
LAND SURVEYOR

- 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 (I)
 - Swale
 - Water Main
(Shown for reference only - Find design & installation by the Indianapolis Water Company)
 - Centerline Monument
 - Storm Structure Number
 - Sanitary Structure Number
 - 6" Subsurface Drain W/ 4" Tee Service
- * DENOTES ELEVATION OF SUB. GRADE (PAVEMENT NOT CONSTRUCTED)

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

Entry Date: 1/7-93
Entered by: JDH



DRAINAGE RECORD DRAWING

Sanitary Sewer Table

STR #	STA BASELINE	OFFSET	LT/RT	TYPE	TC	INVERTS
E11				EX. MANHOLE	765.50	754.34(E), 756.22(N), 764.14(W)
E12				EX. MANHOLE	766.70	757.51(S), 755.32(N), 755.72(W)
E13				EX. MANHOLE	764.80	757.80(SW), 756.76(NW), 756.66(SE)
20	2+30.35 "B"	10.49'	RT	MANHOLE	766.30	758.80 (NE)
21	1+99.70 "A"	24.35'	RT	MANHOLE	766.70	759.20 (NW)
22	6+03.27 "C"	76.35'	RT	MANHOLE	766.40	758.90 (S)

Storm Sewer Table

STR #	STA BASELINE	OFFSET	LT/RT	TYPE	TC	INVERTS
120	5+49.58 "C"	46.50'	LT	END SECTION	780.00	
121	5+49.58 "C"	185.03'	LT	DOUBLE CURB INLET	763.70	760.50 (W)
122	2+98.63 "C"	199.80'	LT	END SECTION	760.00	
123	1+55.84 "C"	119.78'	LT	BEEHIVE INLET	765.10	800.85 (SW & SE), 760.35 (NW)
124	1+62.44 "C"	15.00'	LT	CURB INLET	764.70	761.12 (NW & SE)
125	1+62.44 "C"	15.00'	RT	DOUBLE CURB INLET	764.30	761.20 (NW)
126	8+86.18 "A"	30.00'	LT	MANHOLE	765.00	761.24 (NE & SW)
127	8+75.00 "A"	15.00'	LT	CURB INLET	764.70	761.30 (NE & SW)
128	8+77.04 "A"	20.81'	RT	CURB INLET	764.57	761.16 (NE & NW)
129	8+38.46 "A"	20.15'	RT	DOUBLE CURB INLET	764.57	761.50 (SE)

REVISIONS

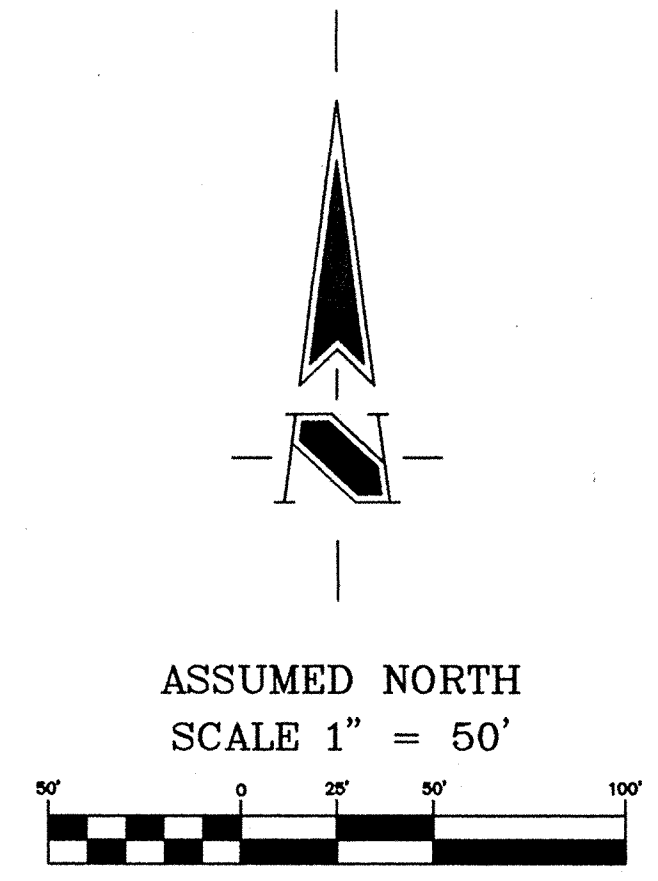
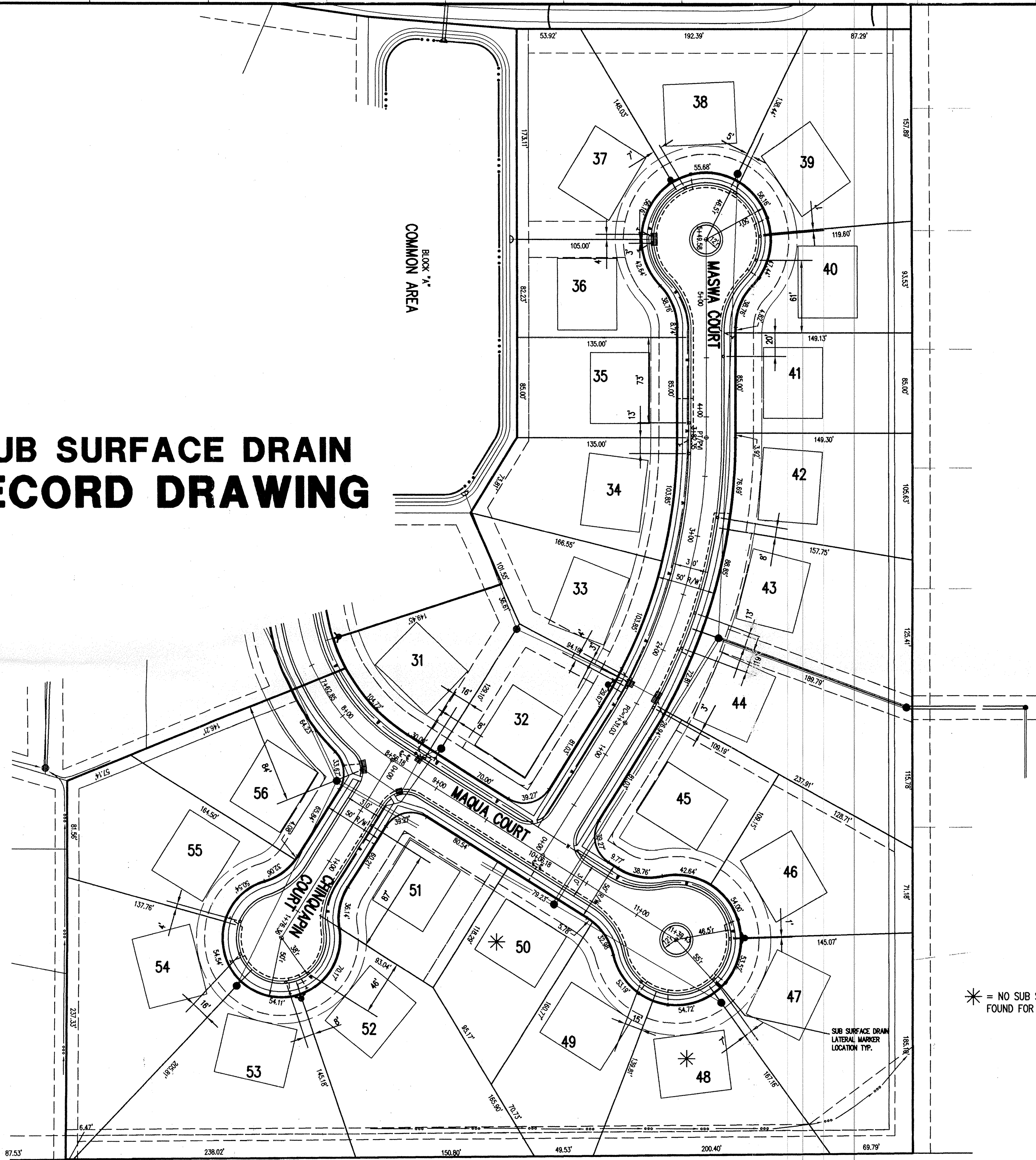
NO.	DATE	CHECK	BY	DATE	CHECK	BY
1	1/17/93	UM	JDH			

PROJECT: SHADYBROOK SECTION 2
JOB NO. 903.02
PREPARED FOR: C.P. MORGAN COMPANY, INC.
SCALE: AS NOTED
FILE: DEVELOPMENT PLAN

DATE: MAR 12 1990
OFFICE OF HAMILTON COUNTY SURVEYOR

SHEET 5-2 OF 11
FILE NAME: 903-DEVL

SUB SURFACE DRAIN RECORD DRAWING



* = NO SUB SURFACE DRAIN LATERAL MARKER FOUND FOR THIS LOT

Revisions

NOTE:
Record drawing certification only for sub surface drain lateral marker locations marked by the contractor.



DATE: 09/19/97
CERTIFIED BY: *W.D. Conover*

THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF SCHNEIDER ENGINEERING CORPORATION AND ARE NOT TO BE USED OR REPRODUCED IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF SCHNEIDER ENGINEERING CORPORATION.

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Schneider Engineering Corporation

3020 North Post Road
Indianapolis, Indiana 46226-0068
317-898-8282
317-899-8010 Fax

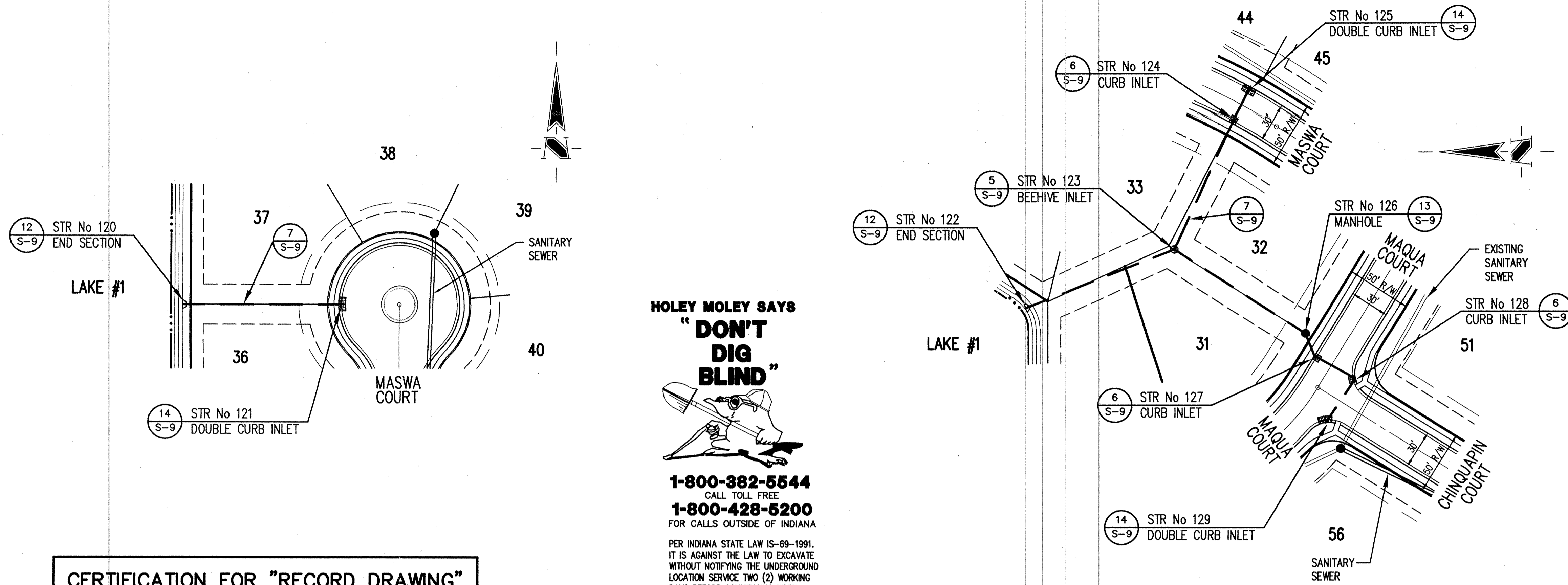
Engineering
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GIS • LIS
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A Partnered Entity with Bohlen, Meyer, Gibson & Associates, Incorporated


C. P. MORGAN COMMUNITIES, L.P.
SHADYBROOK SECTION 2
CARMEL, INDIANA

SUB SURFACE DRAIN RECORD DRAWING

Date 09/19/97	Project No. 903.02	Drawn CLC	Approv.
Computer Files J:\903\DWG\02\90302SSD.DWG J:\903\DWG\02\90302PL.DWG J:\903\DWG\02\903-DEVE		Sheet No. FILED MAR 12 1998 OFFICE OF HAMILTON COUNTY SURVEYORS OF 1	



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


 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: JOH

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)

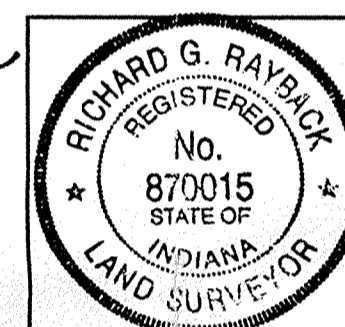
HOLEY MOLEY SAYS "DON'T DIG BLIND"



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 PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *Richard G. Rayback*


 RICHARD G. RAYBACK
 No. 870015
 STATE OF INDIANA
 LAND SURVEYOR
 DATE: 5-15-96

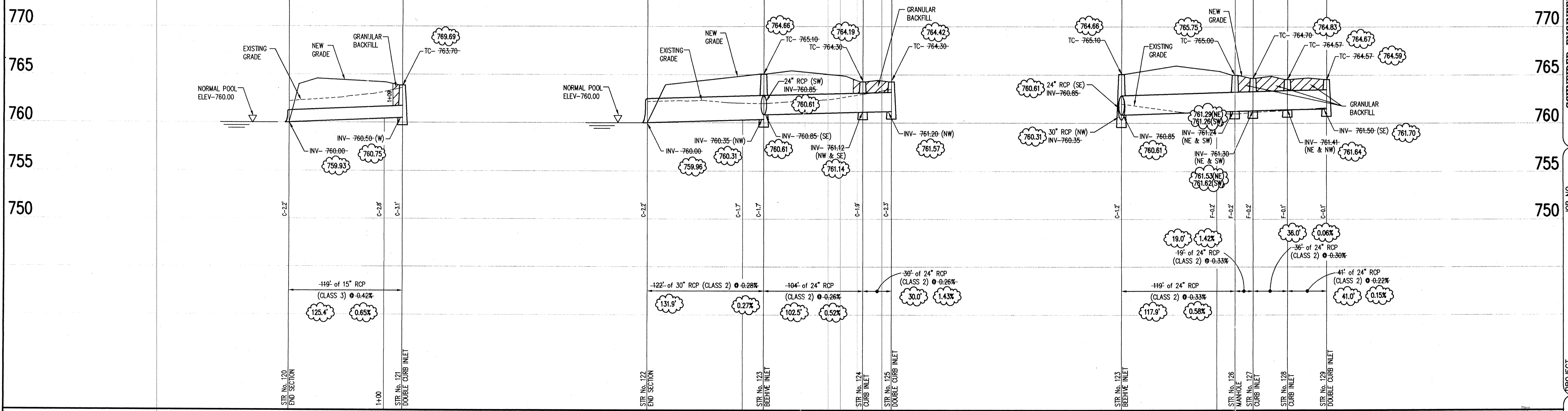
SCHNEIDER ENGINEERING CORPORATION
 3020 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46228-0068
 (317) 898-8282 FAX (317) 899-8010

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.

STORM SEWER PLAN

SCALE: 1"=50'

STORM SEWER RECORD DRAWING



STORM SEWER PROFILE

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

REVISIONS
 DRAWN: [] CHECK: [] DATE: []
 BY: [] DATE: []
 [] DATE: []
 [] DATE: []

PROJECT
 SHADYBROOK SECTION 2
 PREPARED FOR
 C. P. MORGAN COMPANY, INC.
 TITLE
 STORM SEWER PLAN

SHEET
 S-7
 11

OFFICE OF HAMILTON COUNTY SURVEYOR
 188 N. COLLETT AVENUE
 DANVILLE, INDIANA 46122-0018
 TELEPHONE (317) 898-8282
 FAX (317) 899-8010