

Drain: SAIL PLACE DRAIN **Drain #:** 298
Improvement/Arm: SAIL PLACE - SECTION 1
Operator: JDH **Date:** 4-27-04
Drain Classification: Urban/Rural **Year Installed:** 1997

GIS Drain Input Checklist

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



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

May 6, 1987

TO: HAMILTON COUNTY DRAINAGE BOARD

RE: Sail Place Drain

Attached is a petition, plans, non-enforcement request, calculations, quantity summary and assessment roll for the Sail Place 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:

Open Ditch	1,290 feet	21" RCP	^{62'} 646 feet
12" RCP	653 feet	24" RCP	263 feet
15" RCP	15 feet		
18" RCP	646 feet		

The total length of the drain will be ^{2,929}~~3,513~~ feet.

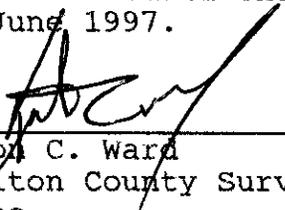
The subsurface drains (SSD) under curbs are not to be part of the regulated drain. The open ditch is that across Lot 30 and 21 from the outlet Structures 721 and 701. Also included is that open ditch beginning at the South end of the 24" pipe under Fall Road, which is part of the Tamenend Drain, per my report dated May 30, 1986. This open ditch runs to the reservoir along Lots 45 to 51 in Bridgewater and Lots 23-30 and 19-21 in Sail Place. The existing platted easement in Bridgewater will remain as platted.

I have reviewed the plans and believe the drain will benefit each of the lots 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 \$50.00 per lot, \$5.00 per acre for roadways, with a \$50.00 minimum. With this assessment the total annual assessment for this section will be \$ ~~2000.00~~ 2195.00.

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 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 Sail Place, as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for June 1997.



Kenton C. Ward
Hamilton County Surveyor
KCW/no

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

TO: HAMILTON COUNTY DRAINAGE BOARD
% Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

In the matter of Sail Place Subdivision,
Section _____ Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Sail Place, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

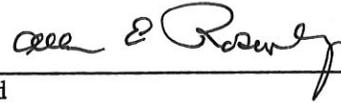
1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.

3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain File.

4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.

5. The Petitioner shall comply with the Erosion Control Plan as as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.



Signed _____

Allen E. Rosenberg

Printed Name _____

Signed _____

Printed Name _____

RECORDED OWNER(S) OF LAND INVOLVED

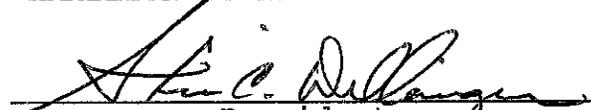
DATE _____

FINDINGS AND ORDER
CONCERNING THE MAINTENANCE OF THE
Sail Place DRAIN

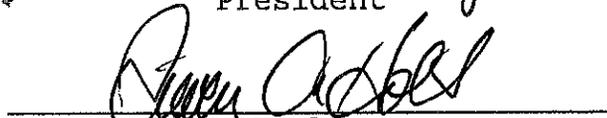
On this 23rd day of June 19 97 the Hamilton County
Drainage Board has held a hearing on the Maintenance Report and
Schedule of Assessments of the Sail Place Drain

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
assessments will be less than the benefits to the landowners and
issues this order declaring that this Maintenance Fund be
established.

HAMILTON COUNTY DRAINAGE BOARD



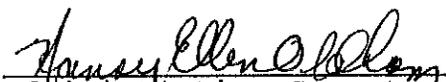
President



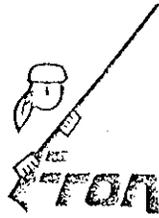
Member



Member

ATTEST: 

Administrative Secretary
Revised 12/95



PERFORMANCE BOND NO. 77803

FRONTIER INSURANCE COMPANY

ROCK HILL, NEW YORK 12775-8003
(A Stock Company)

**BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON**

[Signature]
[Signature]
[Signature]
DATE 2/14/97

KNOW ALL MEN BY THESE PRESENTS:

That The Marina Limited Partnership

(hereinafter called Principal), as Principal, and the FRONTIER INSURANCE COMPANY, a corporation of the State of New York, with its Executive Office in Rock Hill, New York, (hereinafter called Surety), as Surety, are held and firmly bound unto

Hamilton County Board of Commissioners (hereinafter called Obligee), in the full and just sum of Twelve Thousand----- Dollars (\$ 12,000.00).

To the payment of which sum, well and truly to be made, the Principal and Surety bind themselves, their and each of their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Signed, sealed and dated this 20th day of February, 1997.

WHEREAS, the Principal has entered into a certain written contract, dated the _____ day of Sail Place Development Sub-Surface Drainage, A.D. 19____, with the Obligee for

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, That, if the Principal shall indemnify the Obligee against any and all loss or damage directly arising by reason of the failure of the Principal to faithfully perform said contract, then this obligation shall be void; otherwise to remain in full force and effect.

This bond is executed and accepted upon the following express conditions precedent:

1. That the Obligee shall faithfully and punctually perform all the terms and conditions of said contract to be performed by the Obligee.
2. That if the Principal shall abandon said contract or be lawfully compelled by reason of a default to cease operations thereunder, the Surety shall have the right at its option to complete said contract or to sublet the completion thereof.
3. That the Obligee shall notify the Surety by registered letter, addressed and mailed to it at its Executive Office, of any breach of said contract within a reasonable time after such breach shall have come to the knowledge of the Obligee, or the Architect, or Engineer.
4. That the Surety shall not be liable for any provisions of the contract or specifications respecting guarantees of efficiency or wearing qualities, or for maintenance or repairs, nor is the Surety obligated to furnish any other bond covering such provisions of the contract or specifications.
5. All suits at law or proceedings in equity to recover on this bond must be instituted within twelve months after the completion of said contract, and in any event within twelve months from the date fixed in said contract for its completion.

WITNESS _____

The Marina Limited Partnership
PRINCIPAL

By *[Signature]* (Seal)
General Partner
FRONTIER INSURANCE COMPANY

By *[Signature]*
Stan Riegel
Attorney-in-fact

**RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT**

HAMILTON COUNTY BOARD OF COMMISSIONERS

BY: *[Signature]*
BY: *[Signature]*
BY: *[Signature]*

ATTEST: *[Signature]*
HAMILTON COUNTY AUDITOR
ATTEST: *[Signature]*
HAMILTON COUNTY AUDITOR



FRONTIER INSURANCE COMPANY

ROCK HILL, NEW YORK 12775-8000
(A Stock Company)

KNOW ALL MEN BY THESE PRESENTS:

That The Marina Limited Partnership

(hereinafter called Principal), as Principal, and the FRONTIER INSURANCE COMPANY, a corporation of the State of New York, with its Executive Office in Rock Hill, New York, (hereinafter called Surety), as Surety, are held and firmly bound unto

Hamilton County Board of Commissioners (hereinafter called Obligee), in the full and just sum of Eleven Thousand Five Hundred----- Dollars (\$ 11,500.00).

To the payment of which sum, well and truly to be made, the Principal and Surety bind themselves, their and each of their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Signed, sealed and dated this 20th day of February, 1997.

WHEREAS, the Principal has entered into a certain written contract, dated the _____ day of Sail Place Development Erosion Control, A.D. 19____, with the Obligee for

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, That, if the Principal shall indemnify the Obligee against any and all loss or damage directly arising by reason of the failure of the Principal to faithfully perform said contract, then this obligation shall be void; otherwise to remain in full force and effect.

This bond is executed and accepted upon the following express conditions precedent:

1. That the Obligee shall faithfully and punctually perform all the terms and conditions of said contract to be performed by the Obligee.
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3. That the Obligee shall notify the Surety by registered letter, addressed and mailed to it at its Executive Office, of any breach of said contract within a reasonable time after such breach shall have come to the knowledge of the Obligee, or the Architect, or Engineer.
4. That the Surety shall not be liable for any provisions of the contract or specifications respecting guarantees of efficiency or wearing qualities, or for maintenance or repairs, nor is the Surety obligated to furnish any other bond covering such provisions of the contract or specifications.
5. All suits at law or proceedings in equity to recover on this bond must be instituted within twelve months after the completion of said contract, and in any event within twelve months from the date fixed in said contract for its completion.

The Marina Limited Partnership

PRINCIPAL

WITNESS _____

By Alex P. Pinsky (Seal)
General Partner Title
FRONTIER INSURANCE COMPANY

WITNESS Carol S. Meyer

By Stan Riegel
Stan Riegel Attorney-in-fact

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: **STAN RIEGEL**

of **Carmel**, in the State of **Indiana**, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred in its name, place and stead to sign, execute, acknowledge and deliver in its behalf, and as its act and deed, without power of redelegation, as follows:

Bonds guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed; IN AN AMOUNT NOT TO EXCEED ONE MILLION FIVE HUNDRED THOUSAND (\$1,500,000.00) DOLLARS; and to bind FRONTIER INSURANCE COMPANY thereby as fully and to the same extent as if such bond or undertaking was signed by the duly authorized officers of FRONTIER INSURANCE COMPANY, and all the acts of said Attorney(s)-in-Fact pursuant to the authority herein given are hereby ratified and confirmed.

In Witness Whereof, FRONTIER INSURANCE COMPANY of Rock Hill, New York, has caused this Power of Attorney to be signed by its President and its Corporate seal to be affixed this **1st** day of **February**, 19 **95**.

FRONTIER INSURANCE COMPANY

State of New York
 County of Sullivan ss.:



BY: 
 WALTER A. RHULEN, President

On this **1st** day of **February**, 19 **95**, before the subscriber, a Notary Public of the State of New York in and for the County of Sullivan, duly commissioned and qualified, came WALTER A. RHULEN of FRONTIER INSURANCE COMPANY to me personally known to be the individual and officer described herein, and who executed the preceding instrument, and acknowledged the execution of the same, and being by me duly sworn, deposed and said, that he is the officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of the Company, and the Corporate Seal and signature as an officer were duly affixed and subscribed to the said instrument by the authority and direction of the Corporation, and that the resolution of the Company, referred to in the preceding instrument, is now in force.

In Testimony Whereof, I have hereunto set my hand, and affixed my official seal at Rock Hill, New York, the day and year above written.



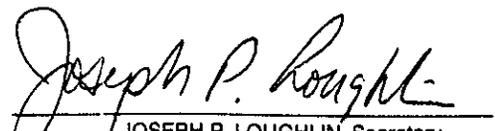

 CHRISTINE I. LANE
 Notary Public State of New York
 Sullivan County Clerk's No. 1996
 Commission Expires May 2, 1996

CERTIFICATION

I, JOSEPH P. 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 _____ day of _____, 19 _____.




 JOSEPH P. LOUGHLIN, Secretary

FILED

JAN 15 1999

OFFICE OF HAMILTON COUNTY SURVEYOR

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: Sail Place Subdivision
Fall Creek Road at Brooks School Road

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: Joseph A. Sharp Date: 1.14.99

Type or Printed Name: Joseph A. Sharp

Business Address: 7172 Graham Road

Indianapolis, IN 46250

Telephone: 317-842-6777

INDIANA REGISTERED NUMBER

15179





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

January 22, 1999

Re: Sail Place Drain: Sec. 1 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Sail Place 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 May 5, 1997. The changes are as follows:

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

701		790.99				
701a	797.12	791.72	24	27	27	-1
701a	797.12	791.77				
702	805.42	796.42	24	152	153	-1
702	805.42	796.42				
703	803.06	798.41	18	82	62 - 21" RCP	1
703	803.06	790.99				
704	812.02	803.12	18	162	168	-6
704	812.02	803.22				
705	814.58	807.18	18	237	238	-1
705	814.58	807.28				
706	815.99	808.34	18	49	44	5
706	815.99	808.34				
708		810.34	24 cmp	26	30	-4
702	805.42	796.42				
720	800.55	796.85	12	25		
720	800.55	796.85				
719	800.42	797.32	12	30		
705	814.58	807.38				
730	814.65	808.45	12	22		

703	803.06	799.24				
718	803.59	799.24	12	29	28	1
718	803.59	799.24				
717	803.74	799.24	12	22		
723		785.48				
724	795.87	788.22	18	136	146	-10
724	795.87	788.22				
727	796.67	789.27	12	49	48	1
727	796.67	789.47				
728	798.57	792.27	12	167	168	-1
728	798.57	792.32				
729	796.95	794.2	12	67	65	2
724	795.87	788.22				
725	794.94	788.27	15	15		
725	794.94	788.64				
726	796.51	790	12	65	63	2
711	816.02	813.14				
710	811.66	807.66	24" cmp	16	29	-13
			24" rcp	20		
704	812.02	803.22				
710	811.66	804.21	18	56	51	-5
710	805.74	805.74				
713	811.69	805.74	12	21	20	1
713	811.69	805.74				
714	811.53	806.03	12	18		
721		795.45				
722	803.42	799.22	12	119	124	-5

RCP Pipe Totals:

12	634
15	15
18	722
24	199

Other Drain:	
24" cmp	42
open ditch	1,290

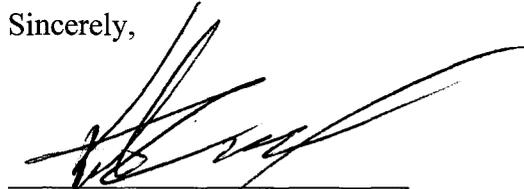
The length of the drain due to the changes described above is now **2,902 feet**.

The non-enforcement was approved by the Board at its meeting on June 23, 1997 and recorded under instrument #9709737332.

The bond or letter of credit from Frontier Insurance Co., number 77802 for Storm Sewers, 77803 for ssd, & 77804 for erosion control ; in the amount of \$66,500.00, \$12,000.00 & \$11,500.00; was released September 14, 1998 and October 12, 1998.

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

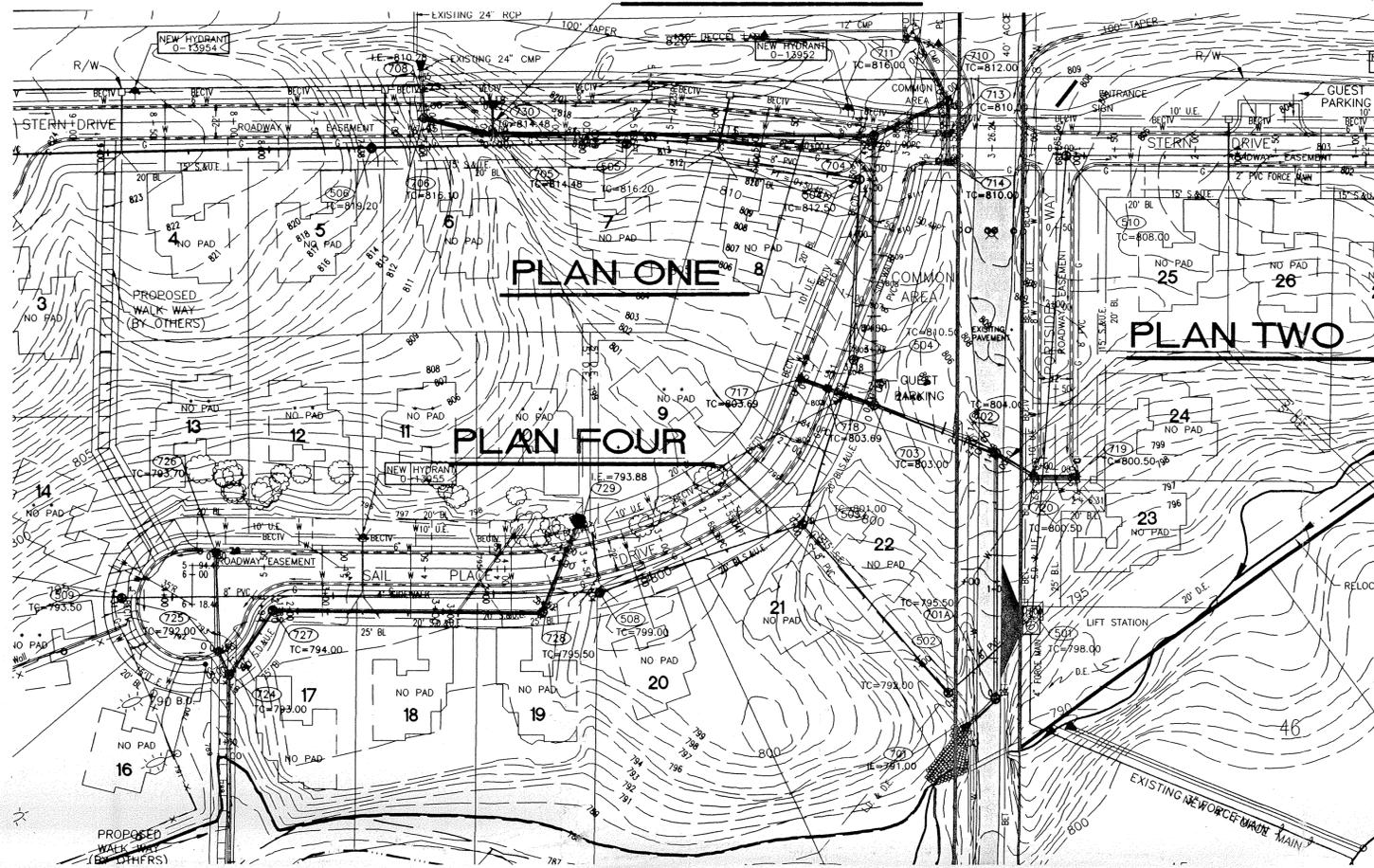
Sincerely,

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

Kerton C. Ward,
Hamilton County Surveyor

KCW/slm

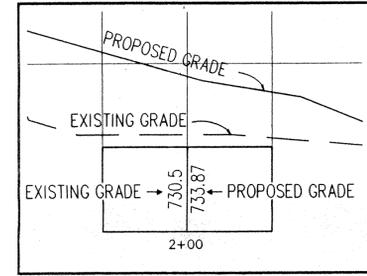
PLAN THREE



DON'T DIG BLIND
 1-800-382-5544
 CALL TOLL FREE
 1-800-428-5200
 FOR CALLS OUTSIDE OF INDIANA

CAUTION
 LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, vaults, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

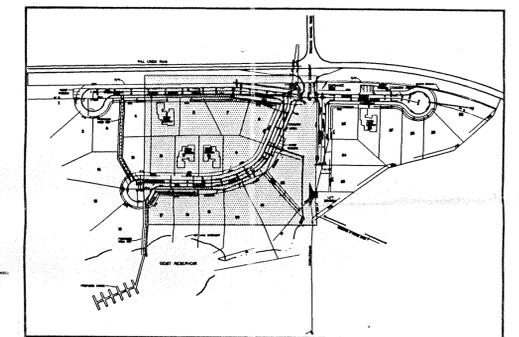
LEGEND



GRANULAR BACKFILL

- STORM SEWER PLAN AND PROFILE NOTES**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART 17 APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
 - ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
 - FIELD ADJUSTMENTS OF TOP OF CASTING (T.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE. AT NO COST TO THE OWNER.
 - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
 - STORM PIPE INHERITS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
 - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
 - SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS
 A) IN THE PROJECT MANUAL OR B) ON SHEET C507
 - THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISTING BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS:
 A) REHABILITATE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINK GROUT.
 B) AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX (6") THICK, 4000 PSI CONCRETE COLLAR WITH 4#x10 GAUGE WIRE MESH OVER THE EXTERIOR OF THE MANHOLE.
 C) ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.
- SHOULD THE INTEGRITY OF THE MANHOLE BE COMPROMISED, THE ENTIRE STRUCTURE MUST BE REPLACED WITH A STANDARD MANHOLE STRUCTURE IN ACCORDANCE WITH THE INDIANAPOLIS SANITARY SEWER DISTRICT STANDARDS, MAY 1986, AND ITS ADDENDUMS.

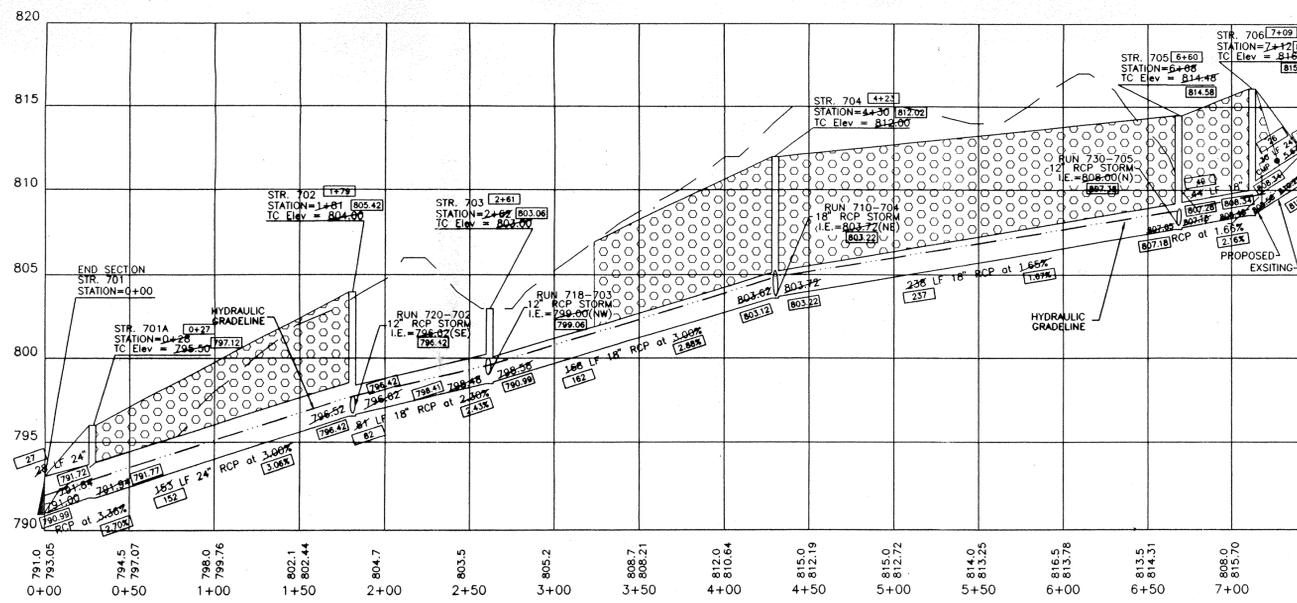
NOTE: ALL PIPE LENGTHS ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE AND INCLUDES END SECTION. FOR CASTING TYPE DESIGNATION SEE STRUCTURE DATA TABLE ON SHEET C704.



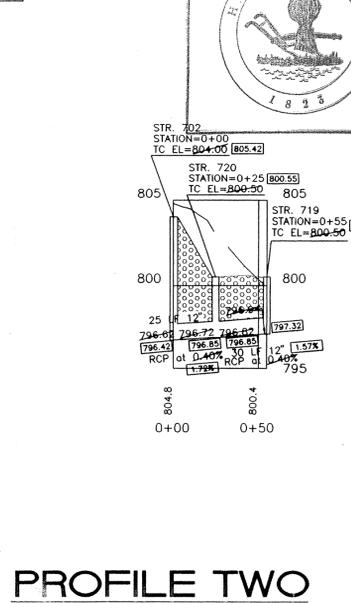
KEY MAP

000.00 DENOTES AS-BUILT INFORMATION

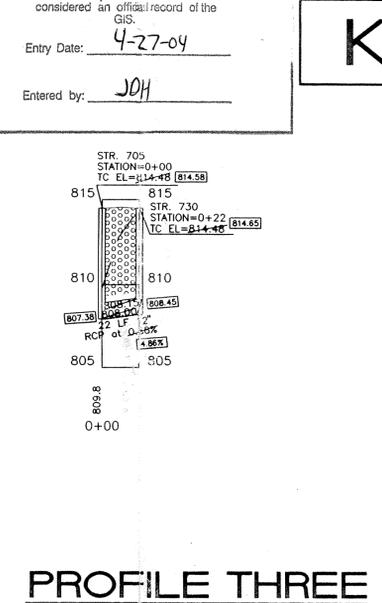
Hamilton County, Indiana
 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.
 Entry Date: 4-27-04
 Entered by: JPH



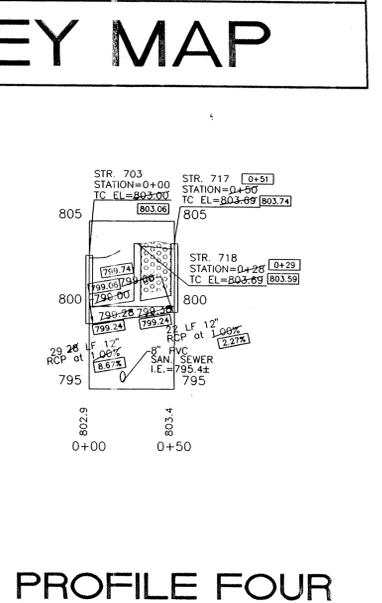
PROFILE ONE



PROFILE TWO



PROFILE THREE



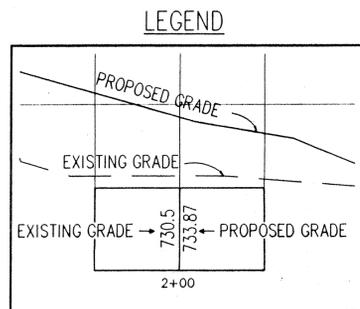
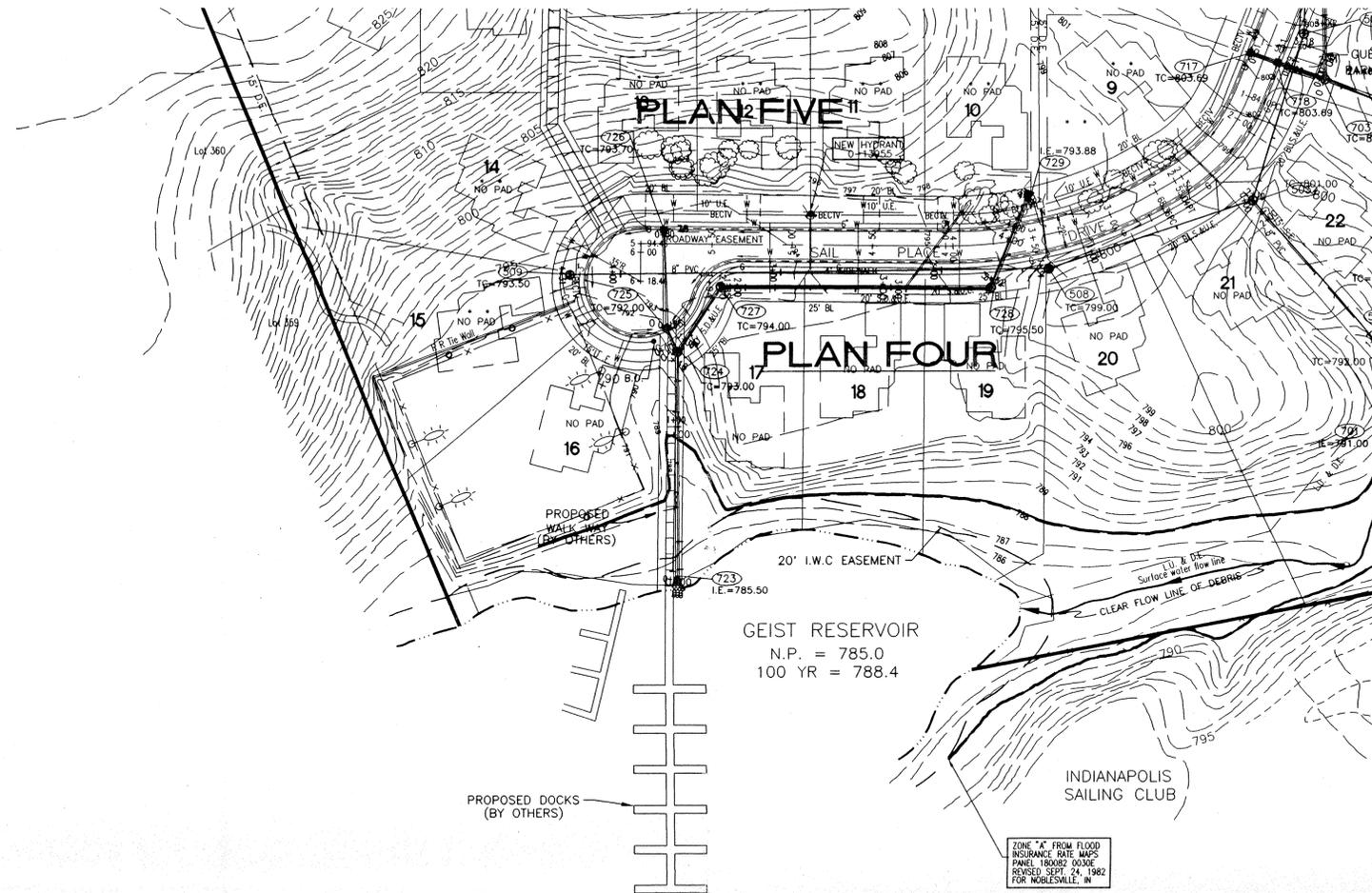
PROFILE FOUR



RECORD DRAWING
 Joseph A. Slay 3/12/98

FILED
 JAN 11 1999
 OFFICE OF HAMILTON COUNTY SURVEYOR
 SAIL PLACE

CERTIFIED BY:	REVISIONS	REVISIONS	PAUL I. CRIFE, INC. 7172 GRAHAM ROAD INDIANAPOLIS, INDIANA 46250 (317) 842-6777	CIVIL ENGINEERING LAND SURVEYING ARCHITECTURE LAND PLANNING	QUALITY ASSURANCE:	DATE:	DRAWING TITLE:	DWG. TYPE:	FILE NUMBER:	SHEET:
	3-27-97 HAM. CO. SURV. OFF. REVISIONS EFG 5-28-97 DCAM REVISIONS EFG 11-12-97 AS-BUILT INFORMATION EFG 03-11-98 STORM "AS BUILTS" PVW					11-01-96 SCALE: 1"=50'	STORM SEWER PLAN & PROFILE		30108-20300	C701



GRANULAR BACKFILL

- STORM SEWER PLAN AND PROFILE NOTES:**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29 CFR PART 1926, SUBPART T APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUNDED, TROWELED SMOOTH AND BRUSH FINISHED.
 - ALL STRUCTURES (I.E. MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCH WALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
 - FIELD ADJUSTMENTS OF TOP OF CASTING (T.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE. AT NO COST TO THE OWNER.
 - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
 - STORM PIPE INVERTS AT OUTLET STRUCTURES (I.E. END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
 - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
 - SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS
A) IN THE PROJECT MANUAL OR B) ON SHEET C907
 - THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISTING BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS:
A) REHABILITATE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINKING GROUT.
B) AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX INCH (6") THICK, 4,000 PSI CONCRETE COLLAR WITH 4x4x10 GAUGE WIRE MESH OVER THE EXTERIOR OF THE MANHOLE.
C) ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.
SHOULD THE INTEGRITY OF THE MANHOLE BE COMPROMISED, THE ENTIRE STRUCTURE MUST BE REPLACED WITH A STANDARD MANHOLE STRUCTURE IN ACCORDANCE WITH THE INDIANAPOLIS SANITARY SEWER DISTRICT STANDARDS, MAY 1988, AND ITS ADDENDUMS.

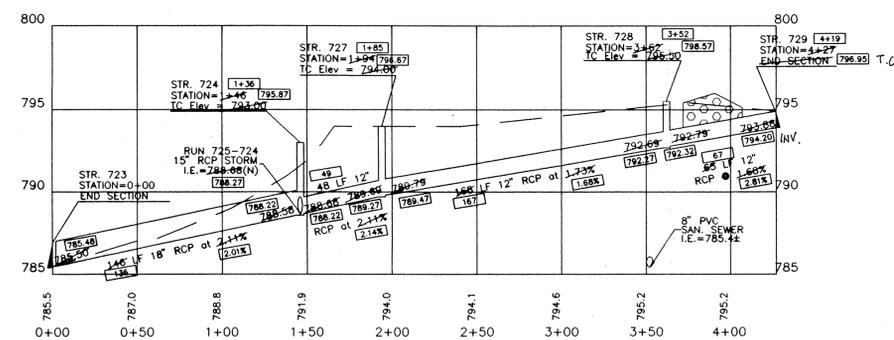
NOTE: ALL PIPE LENGTHS ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE AND INCLUDES END SECTION. FOR CASTING TYPE DESIGNATION SEE STRUCTURE DATA TABLE ON SHEET C704.

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

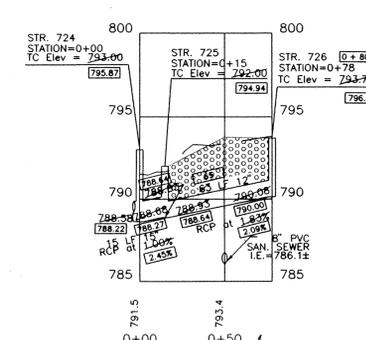
Entry Date: 4-27-04

Entered by: JDH

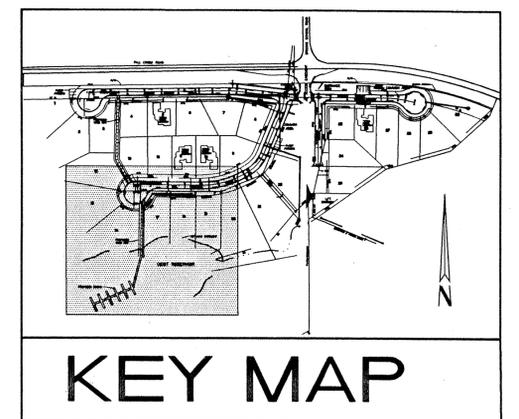
000.00 DENOTES "AS-BUILT" INFORMATION



PROFILE FOUR



PROFILE FIVE



KEY MAP



RECORD DRAWING

Joseph A. Shroy 5/12/98



1-800-382-5544
1-800-428-5200

CAUTION: LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, vaults, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

FILED

JAN 11 1999

OFFICE OF HAMILTON COUNTY SURVEYOR

SAIL PLACE

CERTIFIED BY:	REVISIONS	REVISIONS	
	12/18/96 QUALITY ASSURANCE REVISIONS EFG	03/11/98 STORM "AS BUILTS" PWV	
DATE:	01/22/97 HAM. COUNTY REVISIONS EFG		
	03/13/97 HAM. CO. SURV. REVISIONS EFG		
	11/12/97 "AS-BUILT" INFORMATION EFG		

PAUL I. CRIFE, INC.

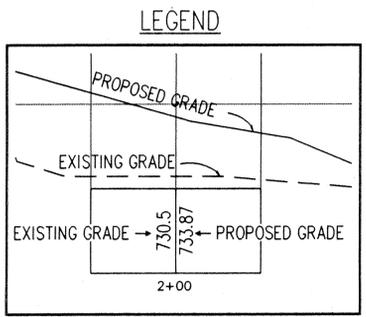
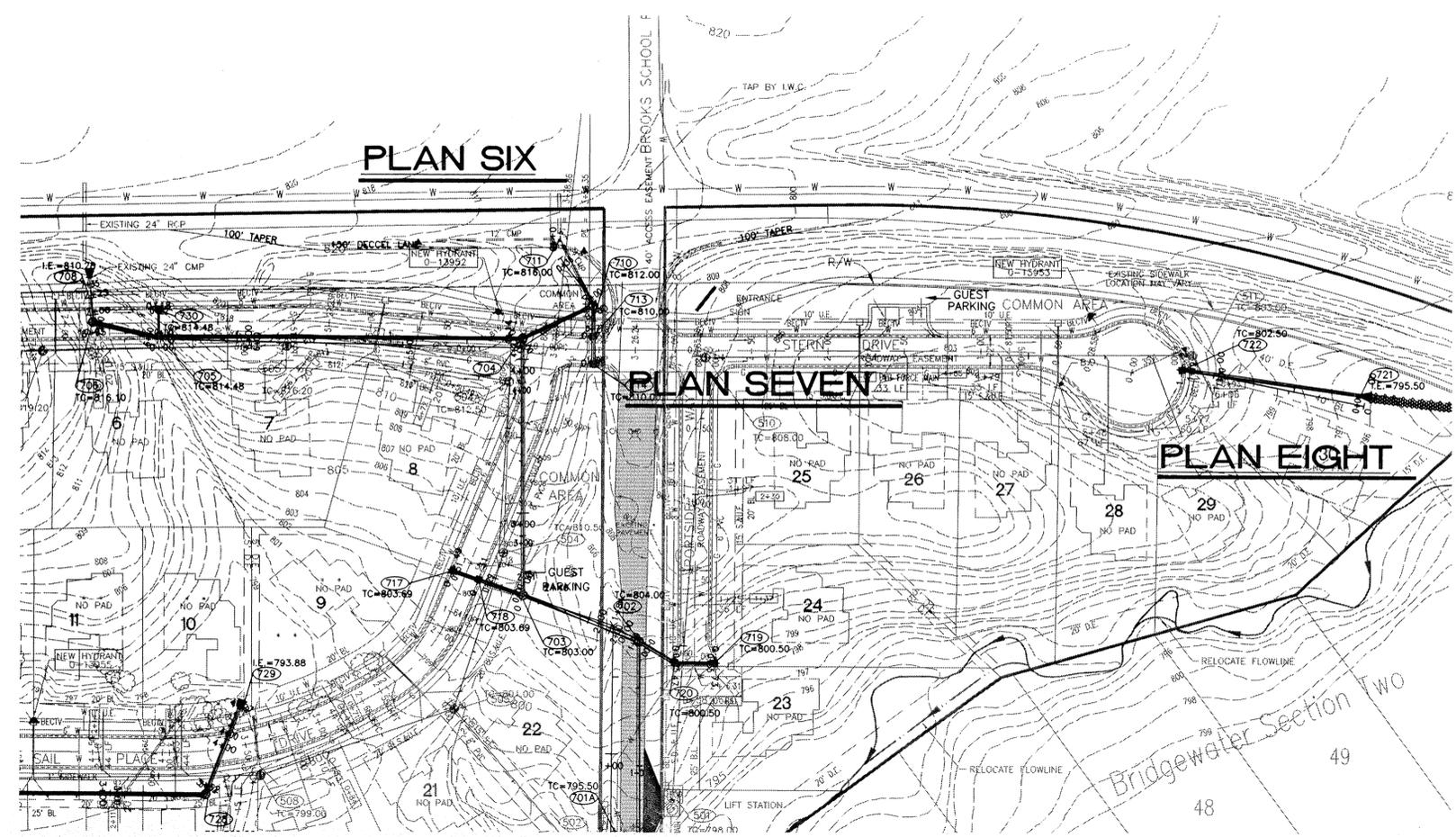
7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
(317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

QUALITY ASSURANCE:	DATE:
	11-01-96
DATE:	SCALE:
	1"=50'

DRAWING TITLE:
STORM SEWER PLAN & PROFILE

DWG. TYPE	FILE NUMBER	SHEET:
		C702
JOB NUMBER		
80108-20300		



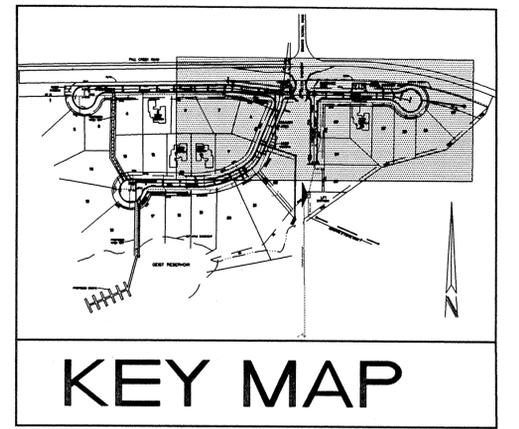
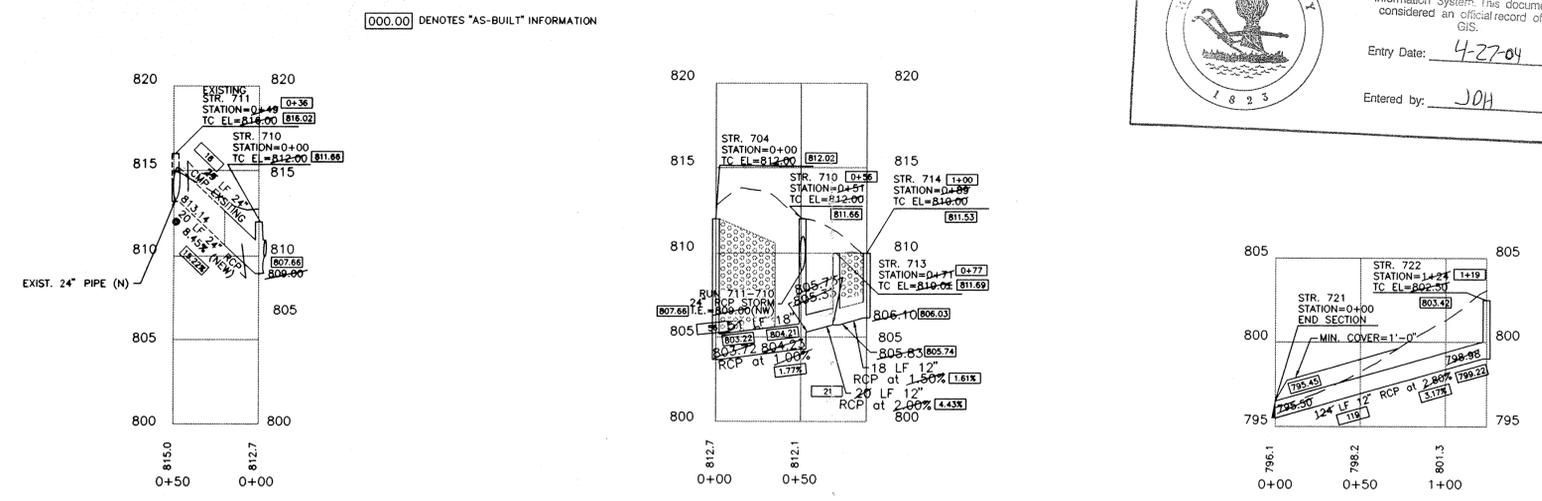
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 - IN THE PROJECT MANUAL OR B) ON SHEET C90?
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NOTE: ALL PIPE LENGTHS ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE AND INCLUDES END SECTION. FOR CASTING TYPE DESIGNATION SEE STRUCTURE DATA TABLE ON SHEET C704.

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: 4-27-04

Entered by: J04



AS BUILT
date *Bruce Hagen*
11/12/97

CERTIFIED BY: *Bruce Hagen*
DATE: 11/12/97

REVISIONS	DATE	BY
12/18/96 QUALITY ASSURANCE REVISIONS		EFG
03/13/97 HAM. CO. SURV. REVISIONS		EFG
11/12/97 "AS-BUILT" INFORMATION		EFG

PAUL I. CRIFE, INC.
7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
(317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

QUALITY ASSURANCE:
DATE: 11-01-96
SCALE: 1"=50'

DRAWING TITLE:
STORM SEWER PLAN & PROFILE

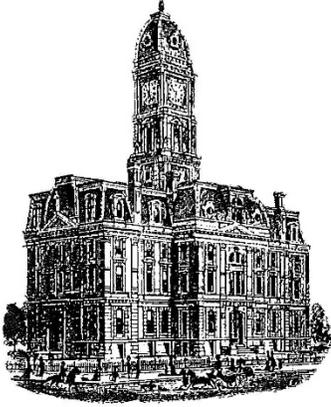
DWG. TYPE	FILE NUMBER	SHEET:
		C703
JOB NUMBER		
80108-20300		

DON'T DIG BLIND

LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO, MANHOLES, WELLS, VALVES, AND RECORDS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBTAINED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5644
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

JAN 1 1999
OFFICE OF HAMILTON COUNTY SURVEYOR
SAIL PLACE



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

Map Correction-Field Verification

Drain: #298 Sail Place

Drain Length: 2,902

Arm: Sail Place Sec. 1

Change + / - : - 4

Date: 02-14-2024

New Length: 2,898

Verified By: Steve Fesmire

Notes & Sketch: See attached As-built Information.

The City of Fishers installed a roundabout at the intersection of Fall Creek Road and Brooks School Rd. This modified the drain by replacing 16 feet of 24" CMP and 20 feet of 24" RCP with 32 feet of 36" RCP. Two new structures (418, 417) were installed and two existing structures replaced (711,710).

Suzanne L. Mills
GIS Specialist

DATA SHOT BY
HCSO 02-14-2024

DATA
PROVIDED
BY FISHERS

STR 419
TC = 815.811
(N) 15" = 812.769
(S) 36" = 803.66

814.26 North
805.35 South

419
X 817.29
mh

13+00

13+50

50+00

41' OF 36"
RCP @ 0.07%

40' @ -0.65%

10005
X 816.27
str11

STR 418
TC = 814.797
(N) 36" = 803.631
(S) 36" 803.482

418
X 816.32
mh

805.09 North
804.96 South

10006
X 815.39
str13

32.2' OF 36"
RCP

32.5' @ -1.01%

10007
813.93
str14

STR 417
TC=812.30
(N) 36" = 803.04
(SE) 12" = 803.932
(SW) 15" = 802.88

417
X 813.81
mh

804.63
North and South

10008
X 813.00
str16

50+50

25	1707009	249277.1	815.811	nrim_mh 419	
26	1707009	249276.1	812.769	rcp_15in_North	
27	1707007	249276.7	803.666	rcp_36in_South	
28	1707036	249275.1	817.273	nrim_ North of project	
29	1707033	249275.6	812.775	rcp_15in_South	
30	1707034	249274.6	813.125	rcp_15in_North	
31	1707035	249276.4	812.862	rcp_12in_NE abandone	
32	1707034	249275.7	812.852	str_test for 12in	
33	1707040	249254.2	817.201	nrim_North of project	
34	1707039	249254.8	813.327	rcp_15in_South	SE
35	1707040	249254	813.375	rcp_15in_North	
36	1707083	249236.5	821.593	nrim_North of project	
37	1707082	249236.7	815.698	rcp_15in_South	
38	1706967	249277.5	814.797	nrim_mh 418	
39	1706966	249277.1	803.631	rcp_36in_North	
40	1706964	249277.7	803.482	rcp_36in_South	
41	1706939	249297.7	803.04	rcp_36in_North	
42	1706938	249297.2	802.88	rcp_15in_SW	
43	1706937	249299	803.932	rcp_12in_South	
44	1706939	249298.5	812.3	nrim_mh 417	

41 ft of 36 in rcp @ 0.07% slope between mh 419 & mh 418
32.2 ft of 36 in rcp @ 1.37% slope between mh 418 & mh 417