Drain: HUNTERS CREEK SOUTH I	<u> </u>
Improvement/Arm: <u>HUNTERS</u>	CREEK SOUTH - SECTION 3.45
Operator:	Date: /Z-29-03
Drain Classification: Urba	an/Rural Year Installed: 1987

GIS Drain Input Checklist

•	Pull Source Documents for Scanning	GA 12-29
•	Digitize & Attribute Tile Drains	Na
•	Digitize & Attribute Storm Drains	JAJ 12-30
•	Digitize & Attribute SSD	G24 12-30
•	Digitize & Attribute Open Ditch	MA
•	Stamp Plans	GH 12-30
•	Sum drain lengths & Validate	got 12-30
•	Enter Improvements into Posse	G# 12-30
•	Enter Drain Age into Posse	
•	Sum drain length for Watershed in Posse	
	Check Database entries for errors	JA 1230

Gasb 34 Footages for Historical Cost Drain Length Log

Drain-Improvement: HUNTERS CREEK SOUTH ORAIN - HUNTERS CREEK SOUTH - SECTION 3, 45

Size:	Length ;	Length (DB Query)	Length Reconcile	Price:	Cost:
6"	1880'	2174'	+294		
/z ^y	488	477'	-11		
154	535'	538'	+3		
21"	2001	2001	Ø		
24"	388'	386'	-z'		
				:	
				· -	
Sum:	3491'	3,775'	1284		
	,	•			
L. 10 AO QUUT 1 6.11	topic parties and	м			
ye- via Guidi Criai	VHJ WUN OF MATE	Ju			****
					
	6" /2" /5" 21" 24" Sum:	6" 1880' 124 488' 15" 200' 24" 388' Sum: 3491'	6" 1880' 2/74' 124 488" 477' 15" 535' 538' 21" 200' 205' 24" 388' 386'	Size: (1880'	6" 880' 2/74' +294 /2" 488' 477' -11 /5" 535' 538' +3 21" 200' 200' 6 24" 388' 386' -2'





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776-9626

Noblesville, Ind. 46060 April 10. 1988

TO: Hamilton County Drainage Board

RE: Hunters Creek South Drain, Section 3,4,5

Attached is a petition, non-enforcement request, plans and assessment roll for Hunters Creek South Drain, Section 3,4,5.

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 publichealth; 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 accuring to the owners of land likely to be benefitte. The drain will consit of the following:

6"	SSD	1880ft	21'	RCP	200ft
12"	RCP	488ft	24"	RCP	318ft
15"	RCP	535ft			

The total length of the drain will be 3412 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, \$3.00 per acre for roadways. With this assessment the total annual assessment for the drain/this ssection will be \$1306.44.

I recommend a hearing be set for July 1988.

Kenton C. Ward KCW/This copy printed from the Digital Archive of the Hamilton County Surveyor's Office. One Hamilton County Surveyor Surveyor

STATE OF INDIANA)
COUNTY OF HAMILTON)

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

In the matter of Hunters Creek South Subdivision,
Section 3,4, and 5 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 Hunters, 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. Petetioner 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 reproducable 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.

AUG 4 1987
HAMILTON COUNTY DRAINAGE BOARD

Signed

C.P. Morgan Co., Inc.

Printed Name

Signed

William B. Blake, Senior Vice-Pres.

Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE August 4, 1987

ENGINEERS ESTIMATE

Project: Location: HUNTERS CREEK SOUTH SEC. 3,4 & 5

ROHRER ROAD, CARMEL, IND.

ltem;

Storm Sewers

Date:

5-14-87

Job No.: 277,0301

TEM	DESCRIPTION	QUANTITY	UNIT	UN, PRICE	SUBTOTAL	TOTAL
- 1.	Structures					
	a. Curb inlet w/cating (Neenah R-3501-N	9	ea.		1	
	b. Manhole w/casting (Neenah R-1772-A)	1	ea.		1	
C	c. Beehive inlet w/casting (Neenah R-2560-E-1)	5	ea.			
	d. Subdrain riser/inspection port (Jordan 1570)	16	ea.			
				8		
2.	End Sections (Metal)			2.		
	a. 24"	1	ea.			
			-8			
3.	Pipe					
	a. 12" R.C.P.	490	1.f.			g.
	b. 15" R.C.P. C-76, Class III	535	1.f.			
U	c. 21" R.C.P.	200	1.f.			
	d. 24" R.C.P.	320	1.f.			
	e. 6" plastic subdrain	2300	1.f.			
4.	Miscellaneous	\				
	a. Rip-rap	30	s.y.			
	b. Granular backfill (approximate only)	250*	c.y.			
	0 0					
	TOTAL					

of

Proposal -

HARVEY CONSTRUCTION CO., INC. 7002 N. Graham Rd. Suite 132 INDIANAPOLIS, INDIANA 46220 Office 849-9785 Other 849-9762

190 m				
PROPOSAL SUBMITTED TO	PHONE 848-4040	DATE	e 23, 1987	
C. P. Morgan & Associ	JOB NAME	0 4110	23, 121	
1980 East 116th Stree		Creek South, S	Sec. 3, 4, & 5	
CITY, STATE AND ZIP CODE	JOB LOCATION			
Carmel, Indiana 4603	2	136th Stre	eet & Meridian	n Street
ARCHITECT	DATE OF PLANS			JOB PHONE
Schneider Engineering	6-12-87			
We hereby submit specifications and estimates for	or:			
	Section 3	Section 4	Section 5	Totals
1. Earthwork	16,486.00	16,486.00	16,486.00	49,458.00
2. Sanitary Sewers	13,453.00	16,695.00	25,007.00	55,155.00
3. Storm Sewers	5,270.00	13,134.00	17,696.00	36,100.00
\				
4. Subsurface Draina				
& Riser Rings.	4,650.00.	.1.,44.0.00.	3.,000.00	9,090.00
	Total Section	3, 4, & 5	for the Above	
5. Clearing debris s	ection 3)Burn c	r Bury on s	ite.	2,000.00
Earthwork to be all 3 August 10, 1987. Sec	tion 4 Earthwor	to be sect k payable Se	ion 3 & 5 pay. eptember 10,	\$151,803.00 able on 1987.
Required clearing, bu	ry, & burn at \$	3,500.00 pe.	L acrea.	-tions for the sum of:
The Propose hereby to furn	ish material and labor —	complete in accorda	nce with above specific NO	cations, for the sum of.
One Hundred Fifty-One Thousand Eight Hundred Three & CENTS 151,803.00				
Payment to be made as follows: Earthwork as per the				
				month
25th of the month, pa	yment due on th	e 10th of t	ne lollowing	li Dro
All material is guaranteed to be as specified. All wormanner according to standard practices. Any alteratic tions involving extra costs will be executed only upo extra charge over and above the estimate. All agreemer or delays beyond our control. Owner to carry fire, tor Our workers are fully covered by Workmen's Compensation.	n written orders, and will become an its contingent upon strikes, accidents nado and other necessary insurance.	Authorized Signature Note: Thi withdrawn by us if no	s proposal may be on accepted within	days.
Acceptance of Bronnest — and conditions are satisfactory and are hereby to do the work as specified. Payment will be made	y accepted. You are authorized	Signature ————————————————————————————————————		
Date of Acceptance: This copy printed from Digital Archive	e of the Hamilton County Surve	vor's Office: One Hami	Iton Co. Square, Ste., Nob	lesville, In 46060

UNION STATE BANK

21 Jefferson Square • P. O. Box 398 • Carmel, Indiana 46032

TELEPHONE AREA CODE 317 846 - 7381

IRREVOCABLE LETTER OF CREDIT NO. 1543

DATE July 1, 1987

RENEELCIARY

Board of Commissioners of the County of Hamilton Storm Sewer and Subsurface Drainage Hunters Creek South Section V FOR ACCOUNT OF

The C. P. Morgan Co., Inc. 1980 E. 116th Street, Suite 125 Carmel, IN 46032

GENTLEMEN:

WE HEREBY ESTABLISH OUR CREDIT IN YOUR FAVOR, FOR THE ACCOUNT INDICATED ABOVE, FOR A SUM OR SUMS NOT **EXCEEDING AN AGGREGATE AMOUNT OF** Twenty Thousand Six Hundred Ninety-Six and 00/100 Dollars (\$20,696.00)

FUNDS ARE AVAILABLE BY YOUR DRAFT(S) AT Carmel, Indiana UNION STATE BANK P.O. Box 1710, Carmel, Indiana 46032 DRAWN ON UNION STATE BANK

Drafts are to be accompanied by:

ALL DRAFTS DRAWN UNDER THIS LETTER OF CREDIT ARE TO BE ENDORSED HEREON AND SHALL BEAR THE CLAUSE "DRAWN UNDER UNION STATE BANK LETTER OF CREDIT No. (AS INDICATED ABOVE)," and must be drawn and presented on or before <u>July 31, 1988</u>

WE HEREBY AGREE WITH YOU THAT ALL DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT WILL BE DULY HONORED UPON PROPER PRESENTATION.

Except as otherwise expressly stated herein this Credit is subject to the Uniform Customs and Practice for Documentary Credits (1874 Revision), International Chamber of Commerce, Publication 296. 400

VERY TRULY YOURS,

Chairman

TITLE

TELEX 272-315

UNION STATE BANK

21 Jefferson Square • P. O. Box 398 • Carmel, Indiana 46032

TELEPHONE AREA CODE 317 846-7381

IRREVOCABLE LETTER OF CREDIT NO. 1548

DATE July 1, 1987

BENEFICIARY

Board of Commissioners of the County of Hamilton Storm Sewer and Subsurface Drainage Hunters Creek South Section IV FOR ACCOUNT OF

The C. P. Morgan Co., Inc. 1980 E. 116th Street, Suite 125 Carmel, Indiana 46032

GENTLEMEN:

WE HEREBY ESTABLISH OUR CREDIT IN YOUR FAVOR, FOR THE ACCOUNT INDICATED ABOVE, FOR A SUM OR SUMS NOT EXCEEDING AN AGGREGATE AMOUNT OF Fifteen Thousand Five Hundred Seventy-Four and 00/100 Dollars (\$15,574.00)

FUNDS ARE AVAILABLE BY YOUR DRAFT(S) AT Carmel, Indiana UNION STATE BANK P.O. Box 1710, Carmel, Indiana 46032 Drafts are to be accompanied by:

DRAWN ON UNION STATE BANK

ALL DRAFTS DRAWN UNDER THIS LETTER OF CREDIT ARE TO BE ENDORSED HEREON AND SHALL BEAR THE CLAUSE "DRAWN UNDER UNION STATE BANK LETTER OF CREDIT No. (AS INDICATED ABOVE)," and must be drawn and presented on or before July 31, 1988

WE HEREBY AGREE WITH YOU THAT ALL DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT WILL BE DULY HONORED UPON PROPER PRESENTATION.

Except as otherwise expressly stated herein this Credit is subject to the Uniform Customs and Practice for Documentary Credits (1974 Revision),

International Chamber of Commerce, Publication 296: 400.

VERY TRULY YOURS,

AUTHORIZED -SIGNATURE

Chairman

TITL

UNION STATE BANK

21 Jefferson Square • P. O. Box 398 • Carmel, Indiana 46032

TELEPHONE AREA CODE 317 846-7381

IRREVOCABLE LETTER OF CREDIT NO. 1551

DATE July 1, 1987

BENEFICIARY

Board of Commissioners of the County of Hamilton Storm Sewer and Subsurface Drainage Hunters Creek South Section III FOR ACCOUNT OF

The C. P. Morgan Co., Inc. 1980 E. 116th Street, Suite 125 Carmel, IN 46032

GENTLEMEN:

WE HEREBY ESTABLISH OUR CREDIT IN YOUR FAVOR, FOR THE ACCOUNT INDICATED ABOVE, FOR A SUM OR SUMS NOT EXCEEDING AN AGGREGATE AMOUNT OF Nine Thousand Nine Hundred Twenty and 00/100 Dollars (\$9,920.00)

FUNDS ARE AVAILABLE BY YOUR DRAFT(S) AT Carmel, Indiana UNION STATE BANK P.O. Box 1710, Carmel, Indiana 46032

DRAWN ON UNION STATE BANK

Drafts are to be accompanied by:

ALL DRAFTS DRAWN UNDER THIS LETTER OF CREDIT ARE TO BE ENDORSED HEREON AND SHALL BEAR THE CLAUSE "DRAWN UNDER UNION STATE BANK LETTER OF CREDIT No. (AS INDICATED ABOVE)," and must be drawn and presented on or before July 31, 1988

WE HEREBY AGREE WITH YOU THAT ALL DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT WILL BE DULY HONORED UPON PROPER PRESENTATION.

Except as otherwise expressly stated herein this Credit is subject to the Uniform Customs and Practice for Documentary Credits (1974 Revision), International Chamber of Commerce, Publication 290.

AUTHORIZED SIGNATURE

Chairman TITLE

CERTIFICATE OF COMPLETION AND COMPLIANCE

FOR HUNTERS CREEK SOUTH

TO: Hamilton County Surveyor

RE: Hunters Creek South, Sections 3, 4 and 5

I hereby certify that:

- 1. I am a Registered Professional Engineer in the State of Indiana.
- 2. I am familiar with the plans and specifications for the above referenced subdivision
- 3. To the best of my knowledge, information and belief, the drainage facilities within the subdivision have been installed and completed in conformity with all plans and specifications, with the following exceptions:
 - a. The 24" RCP pipe between structures 103 and 102 has been laid at a -0.13% slope in lieu of 0.50%. This will require 0.57 feet of head above the top of pipe at structure 103 to pass the design flow of 14.31 cfs.
 - b. The 12" RCP between structures 111 and 103 has been laid at a 0.76% slope in lieu of 1.00%. This will require 1.48 feet of head above the top of pipe at structure 111 to pass the design flow of 3.56 cfs.
 - c. The 24" RCP between structures 104 and 103 has been laid at a 0.36% slope in lieu of the grade line slope of 0.40%. This will require 0.65 feet of head above top of pipe at structure 104 to pass the design flow of 14.31 cfs.
 - d. The 21" RCP between structures 105 and 104 has been laid at a 0.31% slope in lieu of 0.50%. This will require 1.03 feet of head above the top of pipe at structure 105 to pass the design flow of 11.20 cfs.
 - e. The 15" RCP between structures 107 and 106 has been laid at a 0.35% slope in lieu of 0.50%. This will require 1.85 feet of head above the top of pipe at structure 107 to pass the design flow of 4.57 cfs.
 - f. The 15" RCP between structures 108 and 107 has been laid at a 0.46% slope in lieu of 0.50%. This will require 1.87 feet of head above the top of pipe at structure 108 to pass the design flow of 4.57 cfs.
 - g. The 12" RCP between structures 109 and 108 has been laid at 0.44% slope in lieu of 0.50%. This will require 2.04 feet of head above the top of pipe at structure 109 to pass the design flow of 2.52 cfs.

OCT 2.5.

- h. The 12" RCP between structures 110 and 109 has been laid at 1.17% in lieu of the grade line slope of 0.50%, however due to the grade line elevation of 60.65 feet at structure 109, 1.89 feet of head will be required above the top of pipe at structure 110 to pass the design flow of 2.52 cfs.
- i. The 12" RCP between structures 112 and 106 has been laid at a 0.21% slope in lieu of 0.48%. This will require 0.28 feet of head above the top of pipe at structure 112 to pass the design flow of 2.47 cfs.
- j. The 12" RCP between structures 113 and 112 has been laid at a -0.31% slope in lieu of the grade line slope of 0.48%. This will require 0.22 feet of head above the top of pipe at structure 113 to pass the design flow of 2.47 cfs.
- k. The 12' RCP between structures 115 and 114 has been laid at a 0.67% slope in lieu of 1.00%. This will require a head of 0.82 feet of head at structure 115 and a head of 0.10 feet at structure 116 to pass the design flow of 3.56 cfs.

Signature	Date 10/24/90
Typed or Printed Name: _	John V. Schneider
Business Address: _	3020 North Post Road
_	Indianapolis, IN 46226
Telephone:	(317) 898-8282
	INDIANA REGISTRATION NO.
	14653

SEAL





Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2232 ugust 21, 1995

To: Hamilton County Drainage Board

RE: Hunter's Creek South Sections 3, 4, £5

Attached are as-builts, certificates of completion & compliance, and other information for Hunter's Creek South Sections 3,4 \$5. An ins pection of the drainage facilities for these sections have 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 April 10, 1988. The changes are as follows:

The 24" RCP from structure 101 to 102 was lengthened from 180' feet to 250% feet.

The length of the drain due to the changes described above is now 3491 feet.

Attached also is a non-enforcement for the drain which I recommend that the Board approve at this time: The non-enforcement was approved by the Board at its meeting on July 24, 1989.

The bonds or letters of credit from Union State Bank, number 1543, 1548, +1551, dated July 1, 1987, in the amount of \$20,696; \$15,574 + \$9,920 have been released.

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

Sincerely.

Kenton C./Ward

Hamilton/County Surveyor

KCW/nw







