Drain: THOR RUN DRAIN	Drain #:_ <i>3</i> 09		
Improvement/Arm: <u>BROOKS MAMIR</u>			
Operator: <u>JDH</u>	Date: /0-22-03		
Drain Classification: Urban/Rural			

GIS Drain Input Checklist

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

NO 11-22

OH. 10-23

Q92 10-23

JA 1023

CAR 10-23

JA 10-23

DA 10-23

Gasb 34 Footages for Historical Cost Drain Length Log

Drain-Improvement: THOR KUN DRAIN - BROOKS MANOR

		ength	Length	Length		
Drain Type:	Size:	SURVEYERS (PINAL REPORT)	(DB Query)	Reconcile	Price:	Cost:
SS0	6"	36521	36521	Ø		0031.
RCP	12"	623.4'	623.41	Ø		
	15"	2.06.2	206.21	ø		
	18"	135.7	135.7	Ø		
	Z4"	929,941	929.94'	ø		
open bitch		8641	864'	0		
						
						·
	Sum:	6,411.24	6,411.24"		-	
inal Report:						
comments:						



Kenton C. Ward, Surveyor Phone (317) 776-8495 Fax (317) 776-9628

Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

July 16, 2001

Re: Thor Run Drain, Brooks Manor Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Thor Run Drain, Brooks Manor Arm. 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:

Ope	en Ditch	1,044	ft	15 "	RCP -	199	ft
6 "	SSD	3,507	ft	18"	RCP -	139	ft
12"	RCP -	380	ft	24"	RCP -	929	f+

The total length of the drain will be 6,198 feet.

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 open ditch listed above is that portion of Thor Run adjacent to lots 13-20 and between lots 20-21 from Str. 713 to Thor Run. The remaining portion of Thor Run was regulated with Brooks Landing Section 1 (see report dated May 20, 1998) No portion of the flood plain for Thor Run will be allowed to be filled.

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 \$50.00 per lot, \$5.00 per acre for roadways, with a \$50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,331.80

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 Brooks Manor as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for August 27, 2001.

Kenton C. Ward

Hamilton County Surveyor

KCW/11m

CERTIFICATE OF COMPLETION AND COMPLIANCE

HAMILTON COUNTY SURVEYOR RE: Brooks Manor 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, I have personally observed and supervised the completion of the Drainage 3.) Facilities for the above referenced subdivision, and To the best of my knowledge, information and belief, the Drainage 4.) Facilities within the subdivision has been installed and completed in conformity with all plans and specifications. Signature: Date: 7/14/03 Type or Printed Name: Joseph A. Sharp 7172 Graham Road Business Address:_ Indianapolis, IN 46250 (317) 842-6777 Telephone:

FILED

JUL 2 1 2003

OFFICE OF HAMILTON COUNTY SURVEYOR

INDIANA REGISTERED NUMBER

LS80040076



Kenton C. Ward, Surveyor Phone (317) 776-8495 Tax (317) 776-9628

Suite 188 One Hamilton County Square Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

October 22, 2003

Re: Thor Run Drain: Brooks Manor Arm

Attached are as-builts, certificate of completion & compliance, and other information for Brooks Manor 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 July 16, 2001. The report was approved by the Board at the hearing held August 27, 2001. (See Drainage Board Minutes Book 6, Pages 115-116) The changes are as follows:

Structure:		T.C.:	<u> </u>	Pipe:	Length:	Original Plans:	Difference:
	714	842.24	837.23				
	713	842.68	833.38	12	106.4	84	22.4
	713	842.68	829.41				
	715		821.7	12	181.4	not on original	181.4
	700	840.67	835.18				
	707	844.04	837.19	15	152.6	150.52	2.08
	707	844.04	837.09				
	708	844.13	837.53	12	28.3	not on original	28.3
	709	845.42	841.77				
	710	845.42	841.12	12	78.5	68.91	9.59
	710	845.42	841.12				
	711	846.47	840.52	12	36.7	38.86	-2.16
	711	846.47	834.42				
	712		829.8	12	146.4	149.41	-3.01
	706	839.95	833.55				
	700	840.68	835.28	24	238.04		
	700	840.68	835.18				
	701	843.35	836.05	24	150.4	144.56	5.84
	701	843.35	836.05				
	702	844.04	837.74	24	316.7	317.02	-0.32
	702	844.04	837.74				
	703	844.19	838.87	24	224.8	228.41	-3.61
	703	844.19	838.77				

704	844.74	839.54	18	135.7	138.34	-2.64
704	844.74	839.49				
705	844.62	839.82	15	53.6	48.18	5.42
705	844.62	839.82			,,,,,	U,7E
706	844.52	839.97	12	45.7	37.97	7.73

6" SSD Streets:

Thor Run Dr	1563.73
Thor Run Culdesac	122.5
Christie Ann Drive	139.68
x2	

Total:

3652

RCP	Pipe
Total	

l otals:	
12	623.4
15	206.2
18	135.7
24	929.94
Other Drain:	
open ditch	864

The length of the drain due to the changes described above is now 6411 feet.

Note: There was 180 feet of open drain enclosed when Stucture 713 was extended to Thor Run.

The non-enforcement was approved by the Board at its meeting on August 27, 2001 and recorded under instrument #200200027368.

The bond or letter of credit from First Merchants Bank, number FMB-1342; dated May 29, 2001; in the amount of \$60,000 for storm sewers; was released August 25, 2003. The bond or letter of credit from First Merchants Bank, number FMB-1343; dated May 29, 2001; in the amount of \$2,500 for erosion control; was also released August 25, 2003.

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

Kenton C. Ward,

Hamilton County Surveyor

KCW/slm

Asbuilt Structures

Project:

840.68

BROOKS MANOR

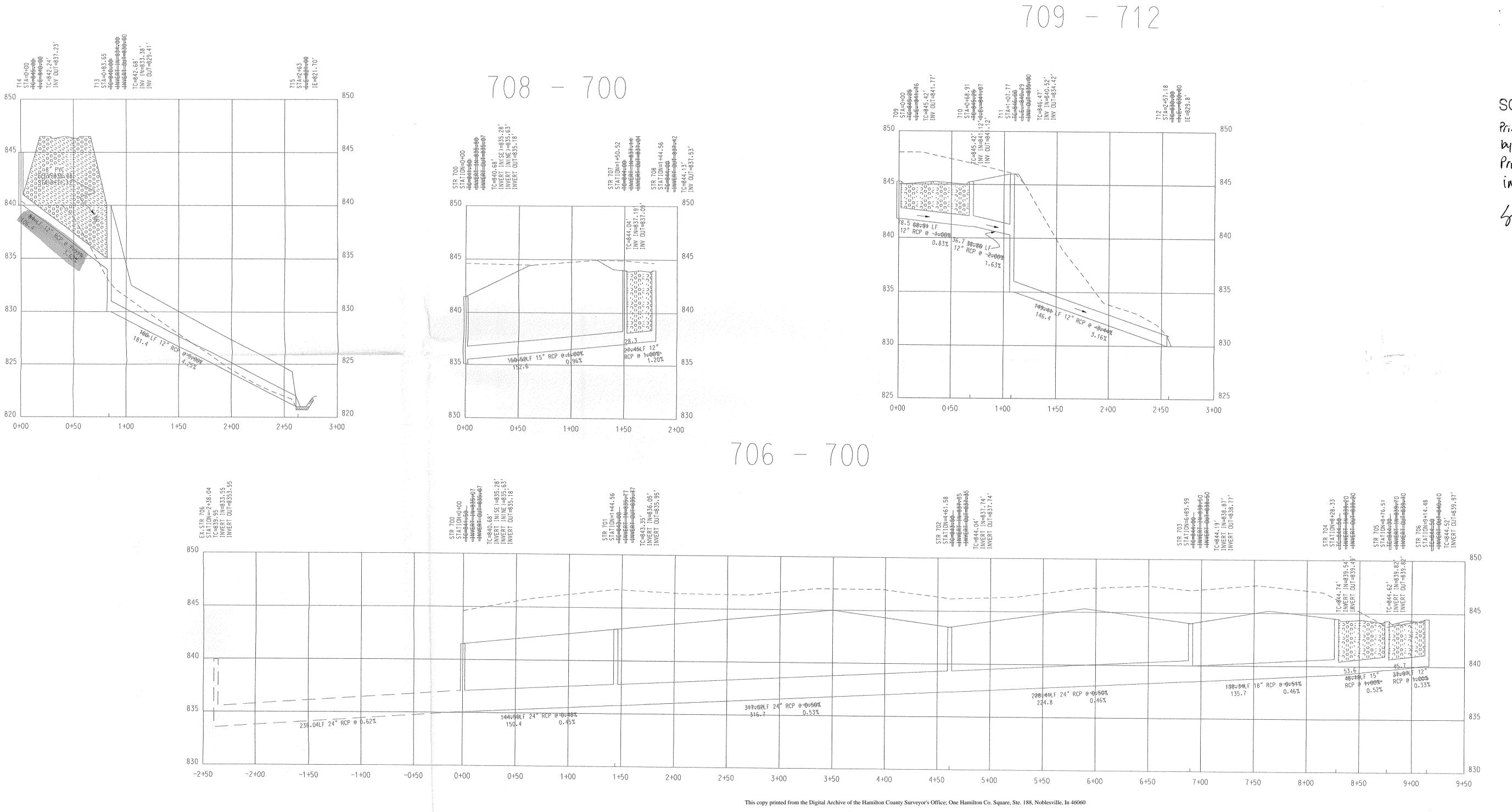
Engineering Project #:

960514-20600

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
71						
71:		833.38	12	106.4	84	22.4
71:		829.41			<u> </u>	22.
71:		821.7	12	181.4	not on original	181.4
700		835.18		1,511		101.
70	The state of the s		15	152.6	150.52	2.08
707	2 and 10 barrels and 10 declar \$49	837.09				2.0
708	W 100 CO	837.53	12	28.3	not on original	28.3
709	845.42	841.77				
710	845.42	841.12	12	78.6	68.91	9.59
71(845.42	841.12			00.0	0.00
711	846.47	840.52	12	36.7	38.86	-2.16
711	846,47	834.42			33.00	-4.1
712	2	829.8	12	146.4	149.41	-3.01
706	839.95	833,55			1,0.71	-3.0
700	840,68	835.28	24	238.04		· · ·
700	840.68	835.18				
701	843,35	836.05	24	150.	144.56	5.84
701						0.0-
702	844.04	837.74	24	316.7	317.02	-0.32
702	844.04	837.74		000000000000000000000000000000000000000	002	0.02
703			24	224.8	228.41	-3.61
703						-0.01
704	844.74	839.54	/1/8	131.7	138.34	-2.64
704	844.74	839.49	and the same of th	N) W(I) CONTROL OF THE OWNER OWNER OF THE OWNER		2.07
705	844.6		15	53.6	48.18	5.42
705	844.62	839.82				0.12
706	844.52	839.97	∜ ∜ (12	45.7	37.97	7.73
6" SSD Streets:				7,1337,333,331,331	RCP Pipe Totals:	
Thor Run Dr	1563.73				12	623.4
Thor Run Culdesac	122.5				15	206.2
Christie Ann Drive	139.68				18	135.7
x2					24	929.94
Γotal:	3652				Other Drain:	020.04
					open ditch	864

Total Length of Drain:

6411



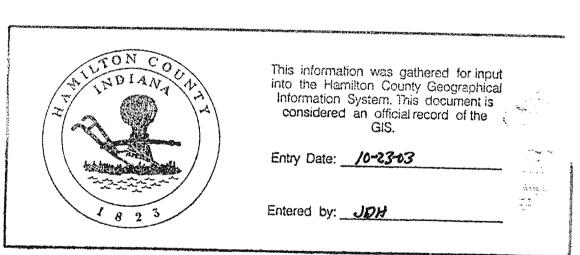


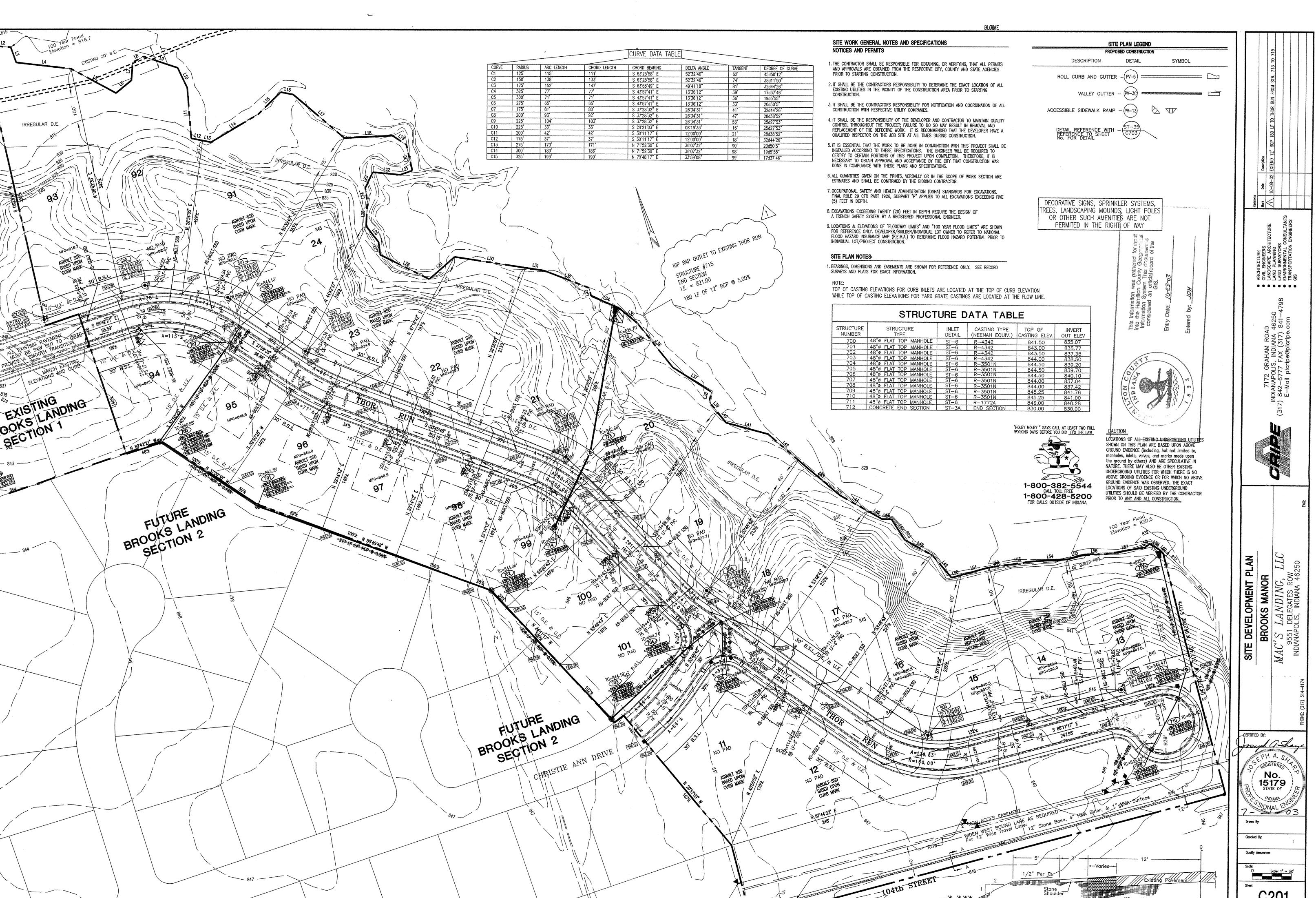
SCALE: 1"= \$50'

Printed From Cd provided
by Paul I. Clipe.

Profiles reflect Asbuilt
information.

Granne L. Mills 8-8-03





C201

01/29/02 Project Number 960514-20000