Drain: BRIDELWOOD ORAIN	Drain #:_ 66_		
Improvement/Arm: BRIDGE WWWD - SECTION			
Operator: <u> </u>	Date: /٥-29-03		
Drain Classification: Urban/Rural			

## **GIS Drain Input Checklist**

•	Digitize & Attribute Tile Drains	<b>N</b> /A
•	Digitize & Attribute Storm Drains	92410-29
•	Digitize & Attribute SSD	978-10-29
•	Digitize & Attribute Open Ditch	## JH 11-21
•	Sum drain lengths & Validate	JA 10-29
•	Enter Improvements into Posse	922 10-29
•	Enter Drain Age into Posse	Juf 11-21
•	Sum drain length for Watershed in Posse	July 11-21
•	Stamp Plans	go 10-19
•	Pull Source Documents for Scanning	Q792/6-29

# Gasb 34 Footages for Historical Cost <u>Drain Length Log</u>

Drain-Improvement: BRIOLEWOOD DRAW - SECTION Z.

Sum:

						logioles de
Drain Type:	Size:	Length SURVEYERS (FINAL REPORT)	Length (DB Query)	Length Reconcile	Price:	Cost:
\$50	6"	3,257.96	3,257.96	ø		
RCP	Jz"	597'	597'	Ø		
	15"	353'	353'	Ø		
	184	253'	253'	Ø		
	271	223'	Z23'	Ø		
	304	728 '	728'	Ø		
	36"	473	473'	ø		
	42"	11831	11831	Ø		
СМР	24"	251	25'	Ø		
CONCRETE BOX CULVERT	24"	25'	25'	Ø		
OPEN DITCH		1601	160'	ø		
				·		
					-	

•	·		,	
Final Report:				
Comments:				
		 ¥		· · · · · · · · · · · · · · · · · · ·

7277.96 7,277.96 0



776=9626

Noblesville, Ind. 46060 December 6, 1988

TO Hamilton County Drainage Board

RE: Bridlewood Drain, Section II

Attached is a petition, non-enforcement request, plans, calculations, quanity summary and assessment roll for the Bridlewood Drain, Section II.

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 accuring to the owners of land likely to be benefitted. The drain will consist of the following:

6" SSD	3822ft	27"	RCP	223ft	Open Ditch	160ft
12" RCP	597ft	30"	RCP	728ft	24" CMP	25ft
15" RCP	353ft	36"	RCP	473ft	24" Conc. Box	
18" RCP	253ft	42"	RCP	1183ft	Culvert	25ft

The total length of the drain will be 7852 feet.

The 24" CMP under 151st Street North of STR 13 and the 24" Conc. Box Culvert under Grassy Branch Road North East of STR 38 was included as part of the drain. Also, all the six (6") inch SSD was included, but the length may change with the "As Built".

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 \$50.00 per lot, \$5.00 per acre for roadways, with a \$50.00 minimum.

With this assessment the total annual assessment for the drain/this section will be \$1410.85.

Upon approval at the hearing, I recommend the Board approve the non-enforcement request submitted by the Petitioner.

I recommend a hearing be set for February 1989.

KCW/no

Kenton C. Ward

Hamilton County Surveyor

STATE OF INDIANA )
COUNTY OF HAMILTON )

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

In	the	matter	of	the BRIDLEWOOD	Subdivision
Section	ΙI			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 <a href="Bridlewood">Bridlewood</a>, 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.

FILED
DEC 6 1988
HAMILTON COUNTY DRAINAGE BOARD
SECRETARY

ZM Jac
Signed
R. N. Thompson
Printed Name
\$
Signed
Printed Name
RECORDED OWNER(S) OF LAND INVOLVED
DATE DEC. 5, 1988

#### BRIDLEWOOD Sec. 11 Engineers Estimate for:

Drainage

1 tem No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	Description Earthwork 6" Sub Surface Drains SSD Access 12"RCP 15"RCP 18"RCP 27"RCP 30"RCP 30"RCP 36"RCP 42"RCP Yard Inlet Solid Lid Manhole Curb Inlet 48" Metal End Section	Quantity Unit 5500 C.Y. 324 L.F. 27 Ea. 575 L.F. 353 L.F. 253 L.F. 223 L.F. 713 L.F. 473 L.F. 1183 L.F. 13 Ea. 8 Ea. 13 Ea. 1 Ea.	\$1.70 \$4.00 \$30.00 \$11.00 \$13.00 \$17.50 \$32.50 \$35.00 \$47.00 \$52.50 \$450.00 \$450.00 \$225.00	\$9,350.00 \$1,296.00 \$810.00 \$6,325.00 \$4,589.00 \$4,427.50 \$7,247.50 \$24,955.00 \$22,231.00 \$62,107.50 \$5,850.00 \$4,000.00 \$5,850.00
13	Curb Inlet	13 Ea.		\$225.00
15 16 17	Rip Rap Straw Bales Grass and Mulch	6 Tons 100 Ea. 17600 S.Y.	\$25.00 \$1.25 \$0.10	\$150.00 \$125.00 \$1,760.00
			TOTAL	\$161,298.50



# Interocable Letter of Credit

#### Indianatanonal®

The Indiana National Bank One Indiana Square, Suite 314

		7
•	00 10	^^

	Indianapolis, Indiana 46266	Date: March 23,1988cw
SWIFT Address: INBI US 44 Telex Number: 02-7326 Phone: 266-6153	INB NO. SB 034382	Credit Number Advising Bank No.
Advising Bank	Applicant	***
Beneficiary	Amount	2 =
Hamilton County Commissioners, Hamilton County Drainage Board and The Westfield Town Board of Trustees-Westfield City Building-130 E. Penn St. Westfield, IN 46074	U.S.D. \$120,300.00  Expiration Date	NATIONAL BANK
We hereby issue in your favor this irrevocable letter of credit which is available.	April 1,1989 able against the following documents:	
Drafts drawn at—sight		N D
on The Indiana National Bank		<b>&amp;</b>
bearing the clause; "Drawn under irrevocable letter of credit No. $sb\ 0\ 3$ Other documents:	34382	
Beneficiary's signed certificate stating the construct the necessary storm sewers, lot at the applicant's station of the construct of the construction of the co	grading and drainage in	nprovements 🛄
Special Conditions:  Special Conditions:  We hereby engage with You drawers and/or bona fide holders that drafts drawn and negotiated in conformity with the terms of this credit will be duly honored on presentation and that drafts accepted within the terms of this credit will be duly honored at maturity.  The amount of each draft must be endorsed on the reverse of this credit by the negotiating bank.  THE YOU DROWN THE WAY AND THE		
1983		
	Advising Bank's Notification	
We hereby engage with You drawers and/or bona fide holders that drafts drawn and negotiated in conformity with the terms of this credit will be duly honored on presentation and that drafts accepted within the terms of this credit will be duly honored at maturity.	Advising pairks Notification	·
The amount of each draft must be endorsed on the reverse of this credit by the negotiating bank.  TRE 其实程序设备程序 表现 法人员 计图 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*x	
8 WANTER XXXXX		

Except so far as otherwise "Uniform Customs and Pra

Very truly yours, ,

gunda O Shreman

#### BRIDLEWOOD Sec. 11 Engineers Estimate for: Drainage

Man Ma	Description	Quantity Unit	Price	Amount
Item No.	CONTROL III	5500 C.Y.	\$1.70	\$9,350.00
1	Earthwork	324 L.F.	\$4.00	\$1,296.00
2	6" Sub Surface Drains	27 Ea.	\$30.00	\$810.00
3	SSD Access		\$11.00	\$6,325.00
4	12"RCP	575 L.F.	\$13.00	\$4,589.00
5	15"RCP	353 L.F.		\$4,427.50
6	18"RCP	253 L.F.	\$17.50	
7	27"RCP	223 L.F.	\$32.50	\$7,247.50
8	30"RCP	713 L.F.	\$35.00	\$24,955.00
	36"RCP	473 L.F.	\$47.00	\$22,231.00
9		1183 L.F.	\$52,50	\$62,107.50
10	42"RCP	13 Ea.	\$450.00	\$5,850.00
11	Yard Inlet	8 Ea.	\$500.00	\$4,000.00
12	Solid Lid Manhole		\$450.00	\$5,850.00
13	Curb Inlet	13 Ea.	\$225.00	\$225.00
14	48" Metal End Section	1 Ea.	1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$150.00
15	Rip Rap	6 Tons	\$25.00	
16	Straw Bales	100 Ea.	\$1.25	\$125.00
17	Grass and Mulch	17600 S.Y.	\$0.10	\$1,760.00
1 /	AT COO CITE I MINITE		94	22700
			TOTAL	\$161,298.50







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

Fax (317) 776=9628

Suite 146 One Hamilton County Square Noblesville, Indiana 46060-2230

July 23, 1996

TO: Hamilton County Drainage Board

RE: Bridlewood Drain-Section 2

Attached are As-Builts, Certificate of Completion and Compliance, and other information for Bridlewood Drain-Section 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 December 6, 1988. The changes are as follows:

The correct total of six (6") inch SSD is 3257.96 feet

The length of the drain due to the changes described above is now 7,277.96 feet.

The non-enforcement was approved by the Board at its meeting on February 21, 1989.

The Bond or Letter of Credit from Indiana National Bank, number SB 034382, dated March 23, 1988, in the amount of \$120,300.00, has expired.

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

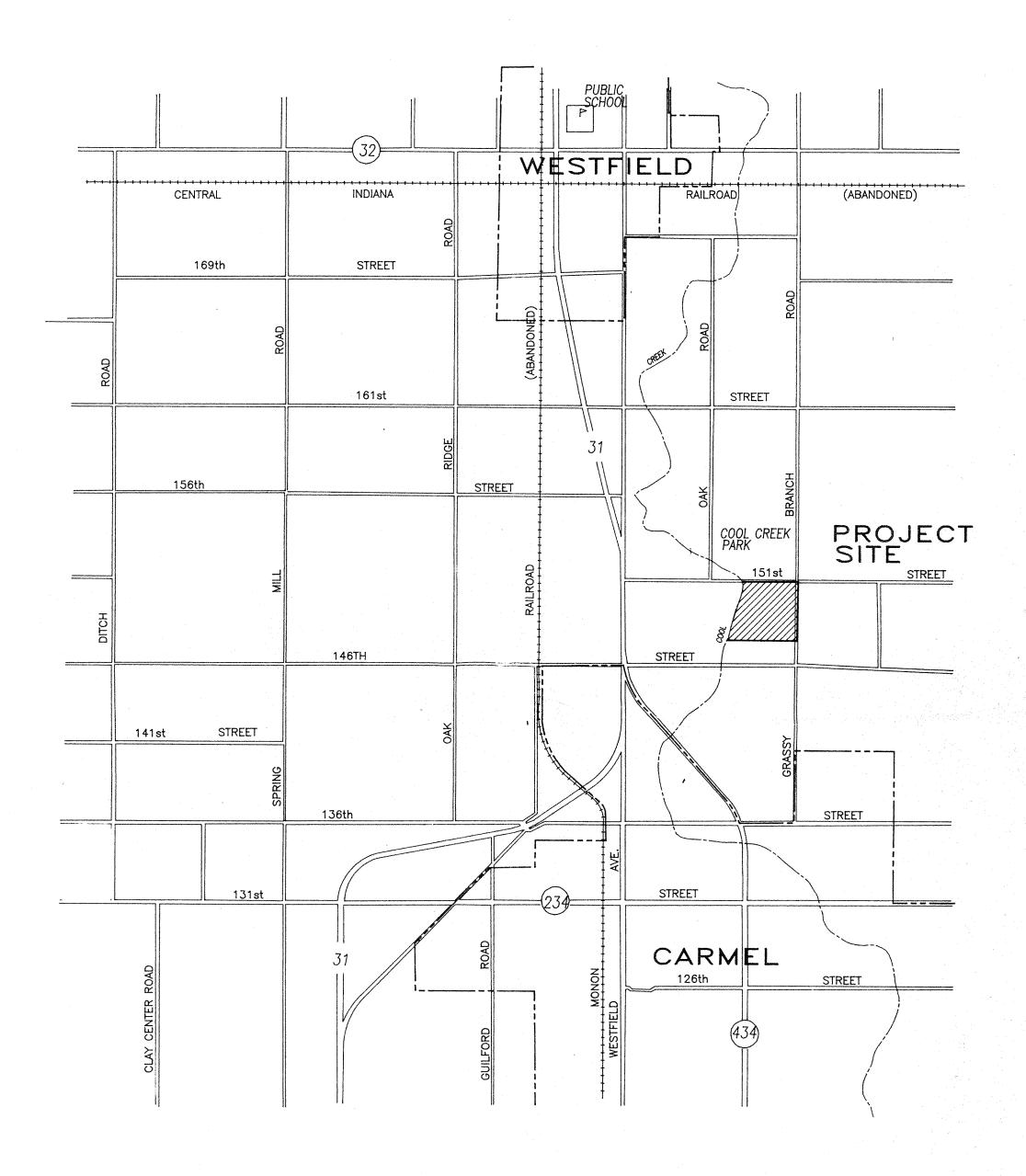
Kenton C. Ward

Hamilton County Surveyor

KCW/no

# CONSTRUCTIONS PLANS FOR

# BRIDER WODD SECTION II



## SHEET INDEX

- 1. COVER SHEET
- OVERALL SANITARY SEWER PLAN
- B. FINAL PLAT SECTION 2
- 4. SITE PLAN
- 5. EROSION CONTROL PLAN
- HORSESHOE DRIVE
- 7. WINDMILL DRIVE and CIRCLE
- 8. CURRY LANE SANITARY SEWER
- 9. STORM SEWERS STR'S. 48-54
- 10. STORM SEWERS STR'S. 28-30, 37, 43-48
- 11. STORM SEWERS STR'S. 31-42
- 12. STORM SEWERS STR'S. 9-13, 26-27
- 13. INTERSECTION DETAILS
- 14. STANDARD SPECIFICATIONS
- 15. MISC. STANDARD DETAILS



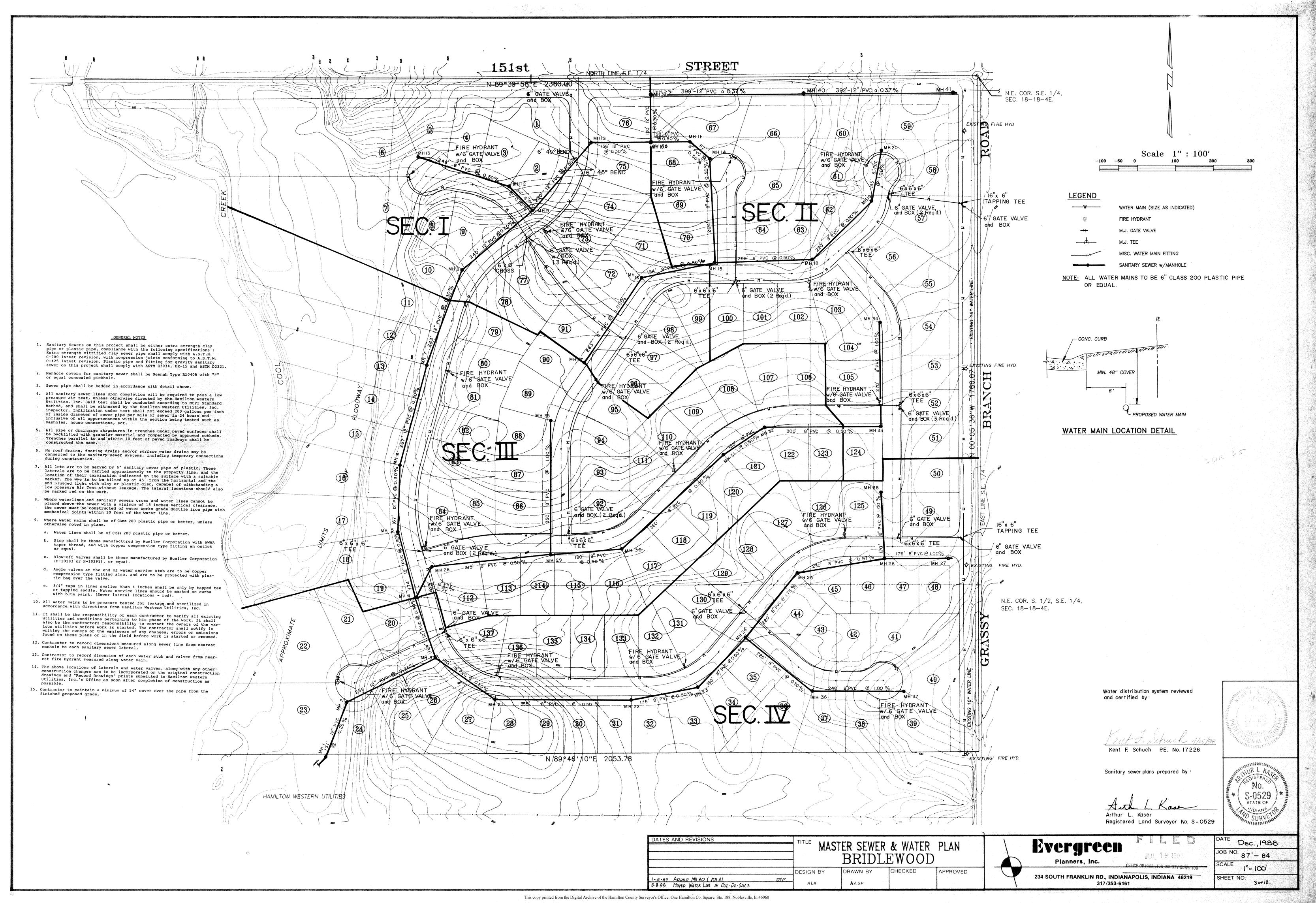
THESE PLANS PREPARED BY:

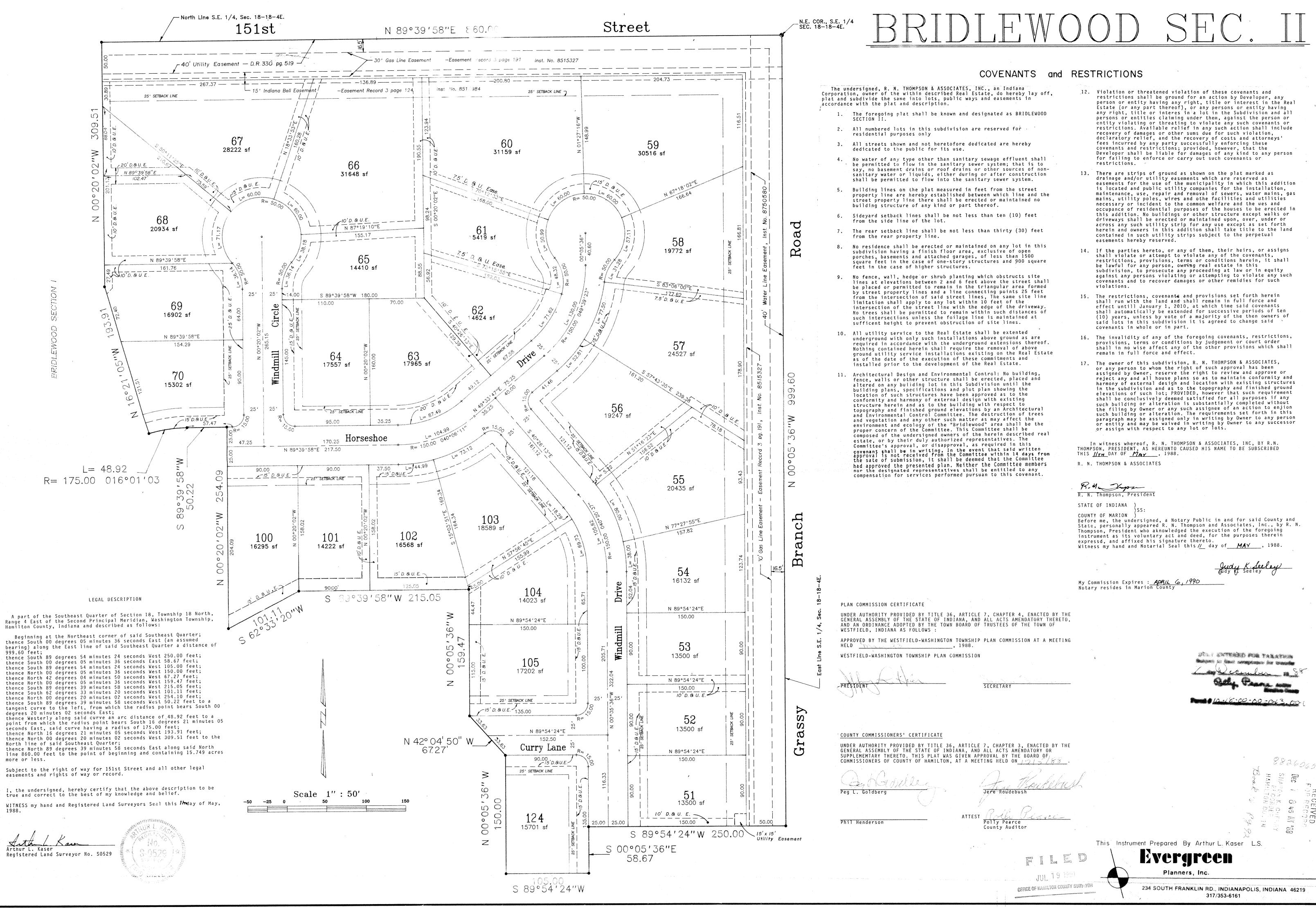
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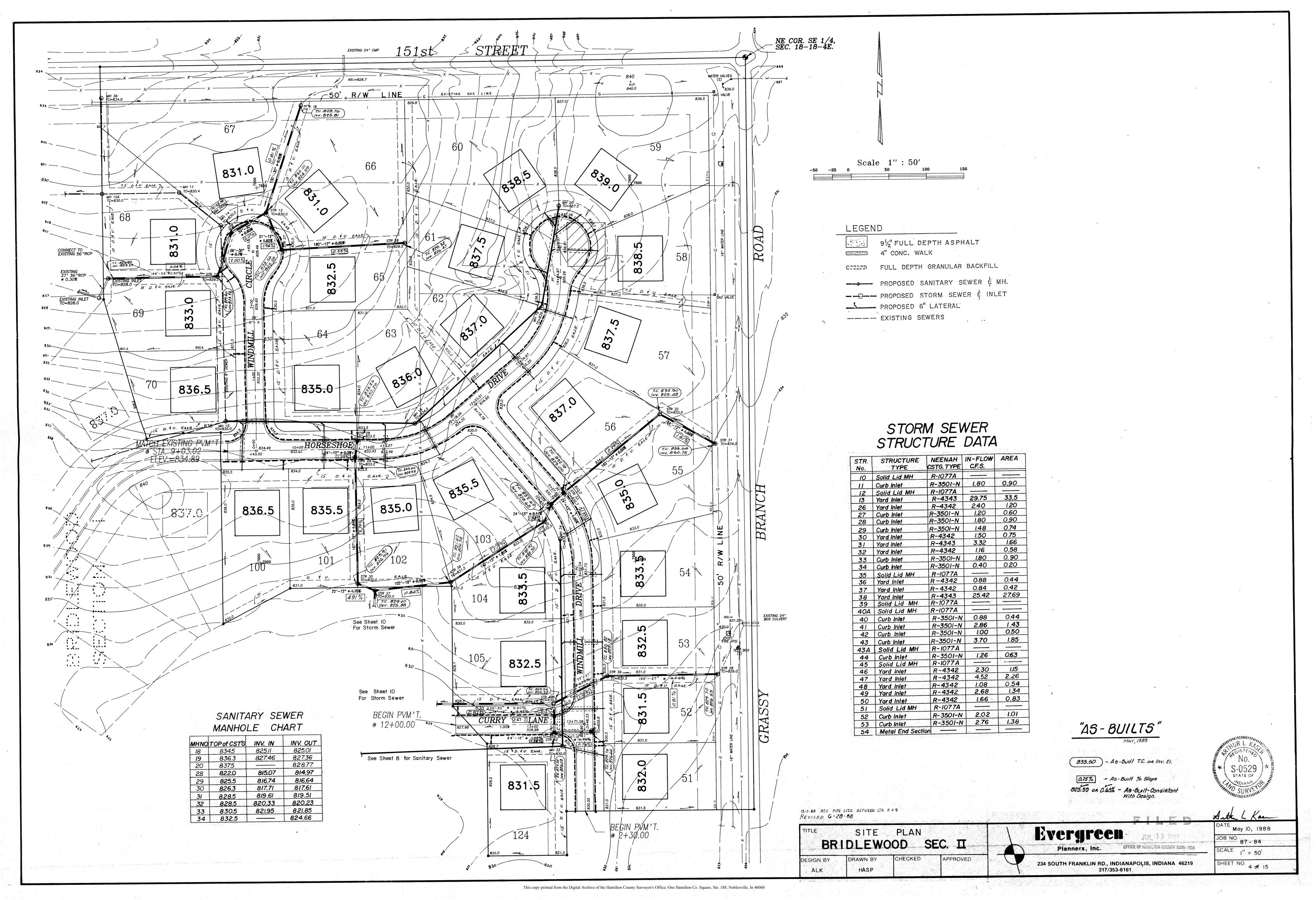
OFFICE OF HAMILTON COUNTY SURVEYOR

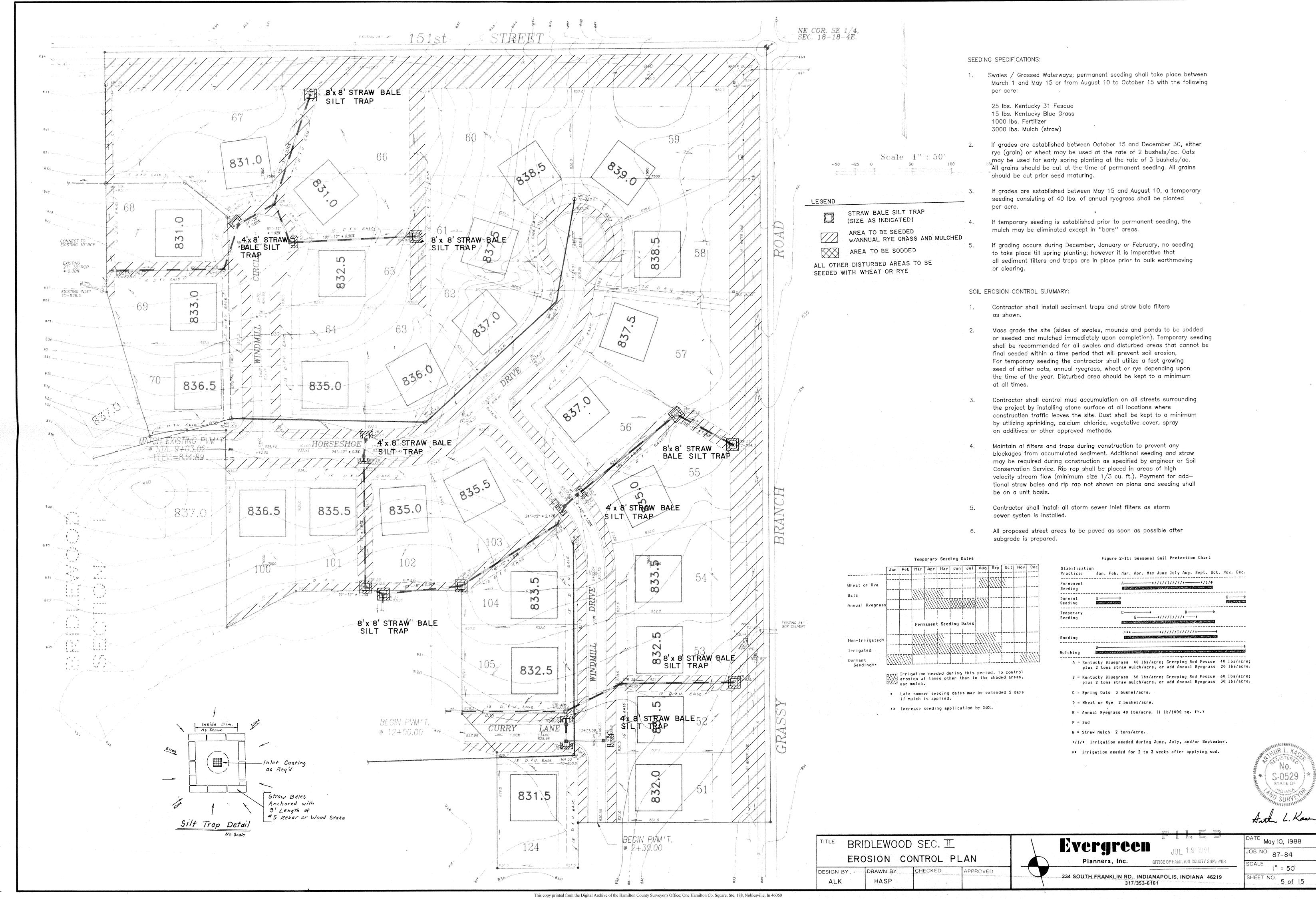
ARTHUR L. KASER
REGISTERED LAND SURVEYOR NO. S0529

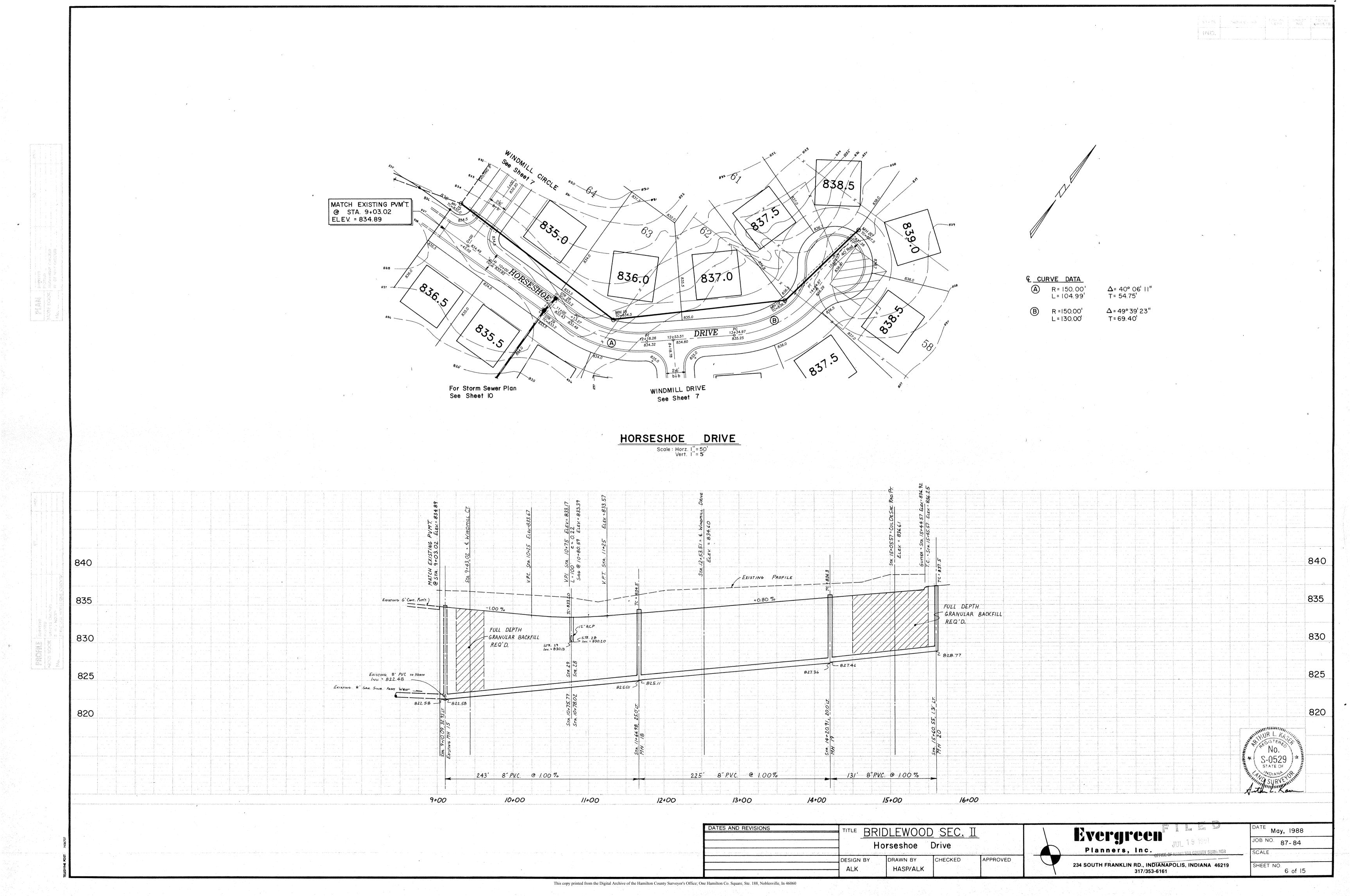
REVISED 6-28-88

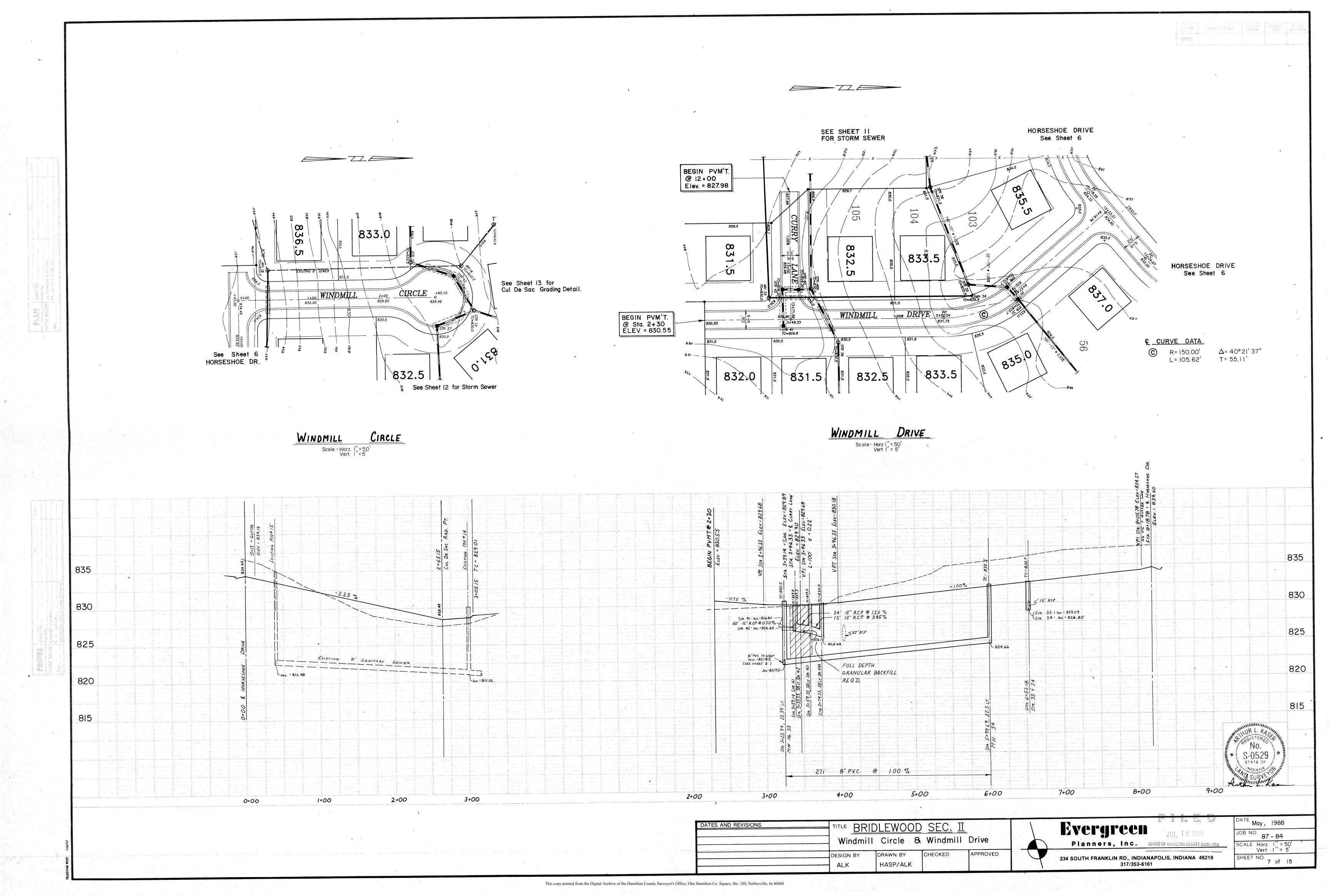


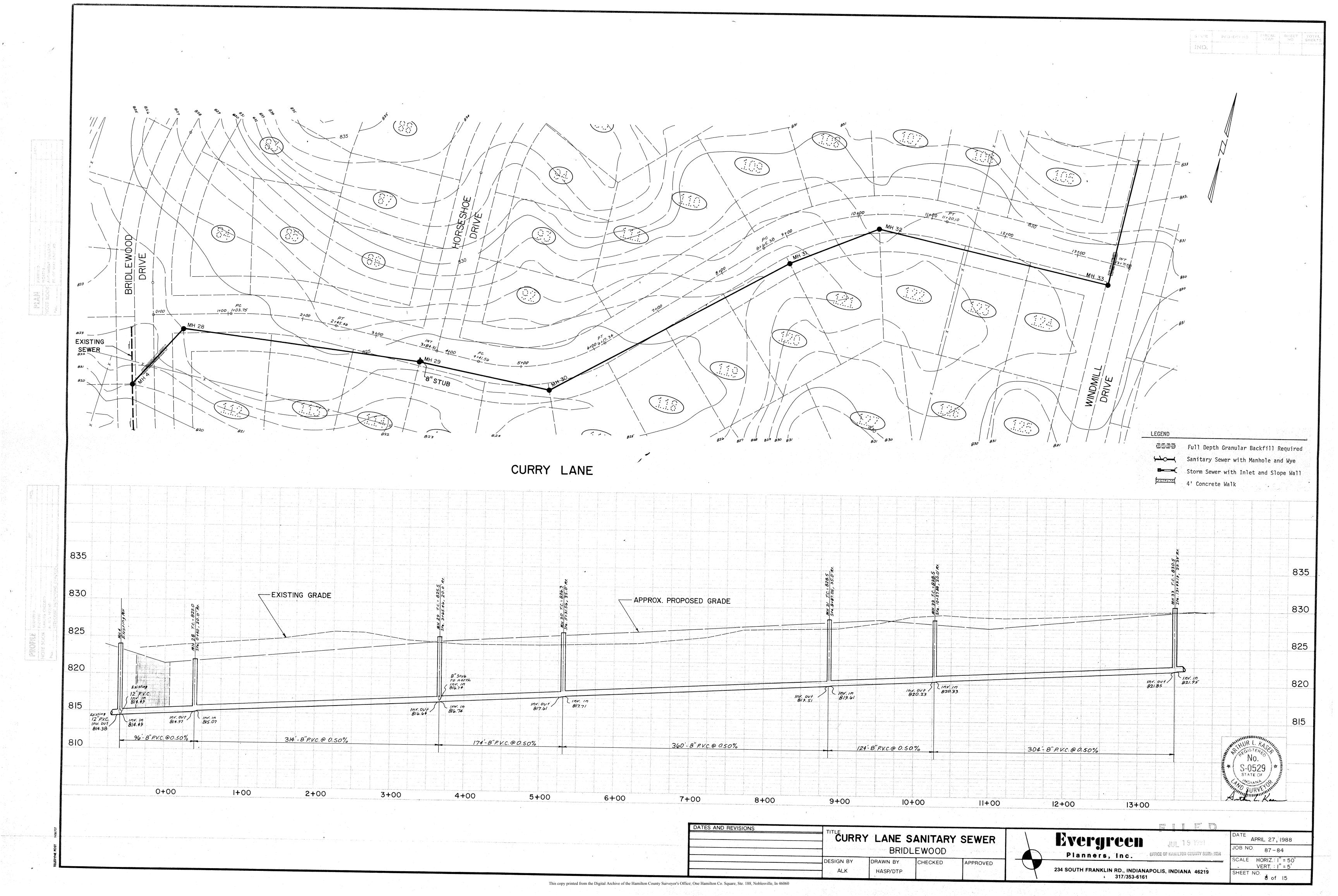


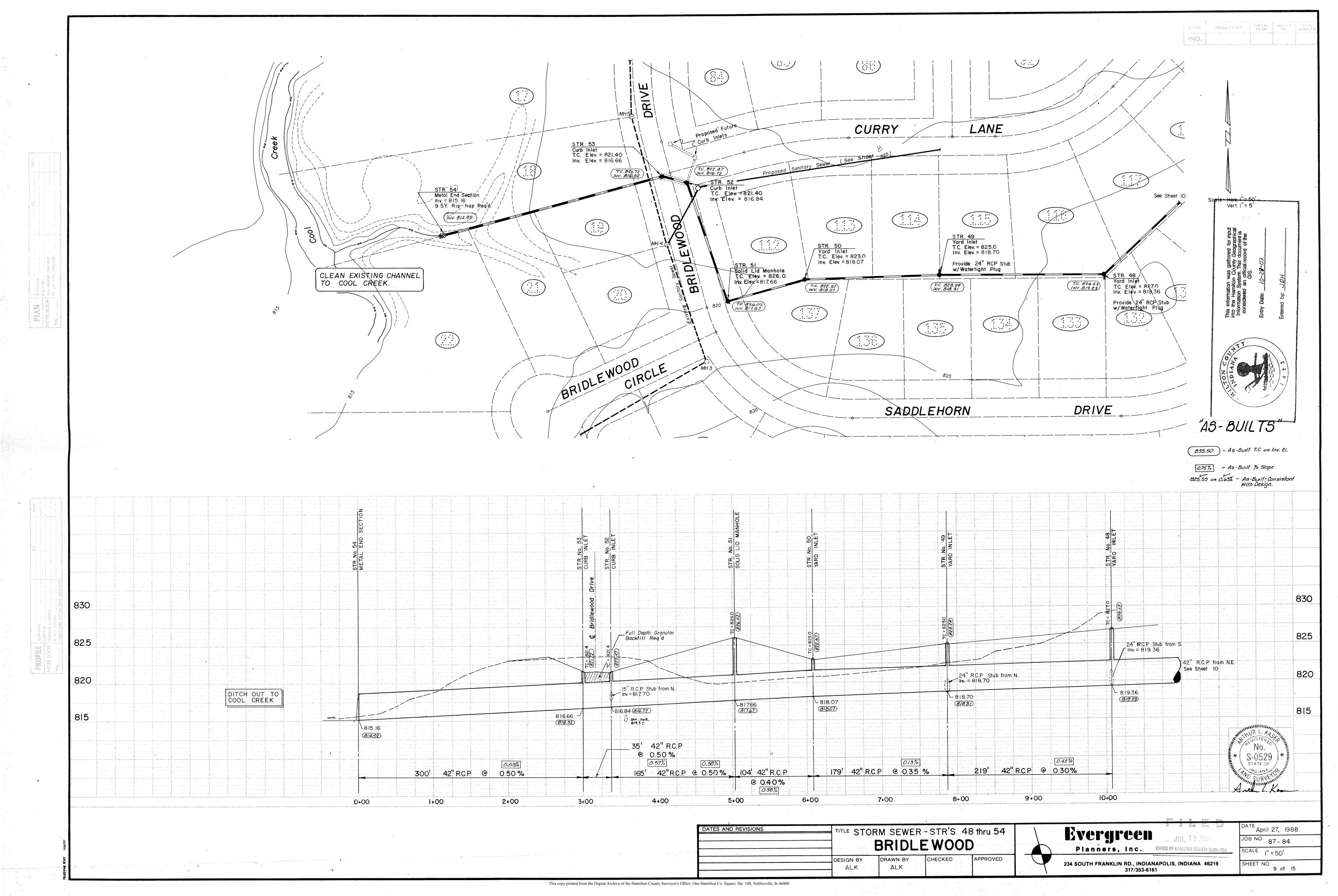


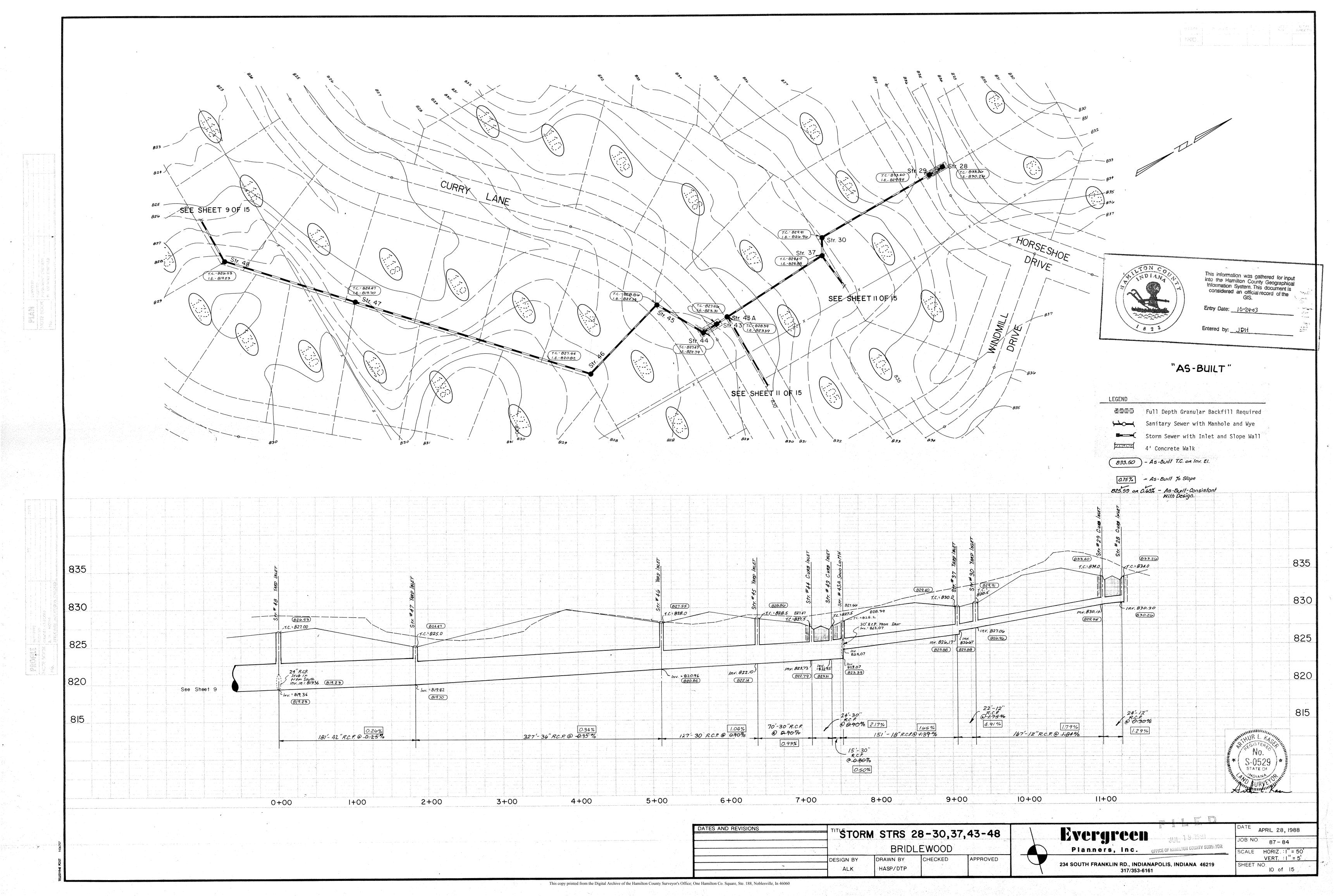


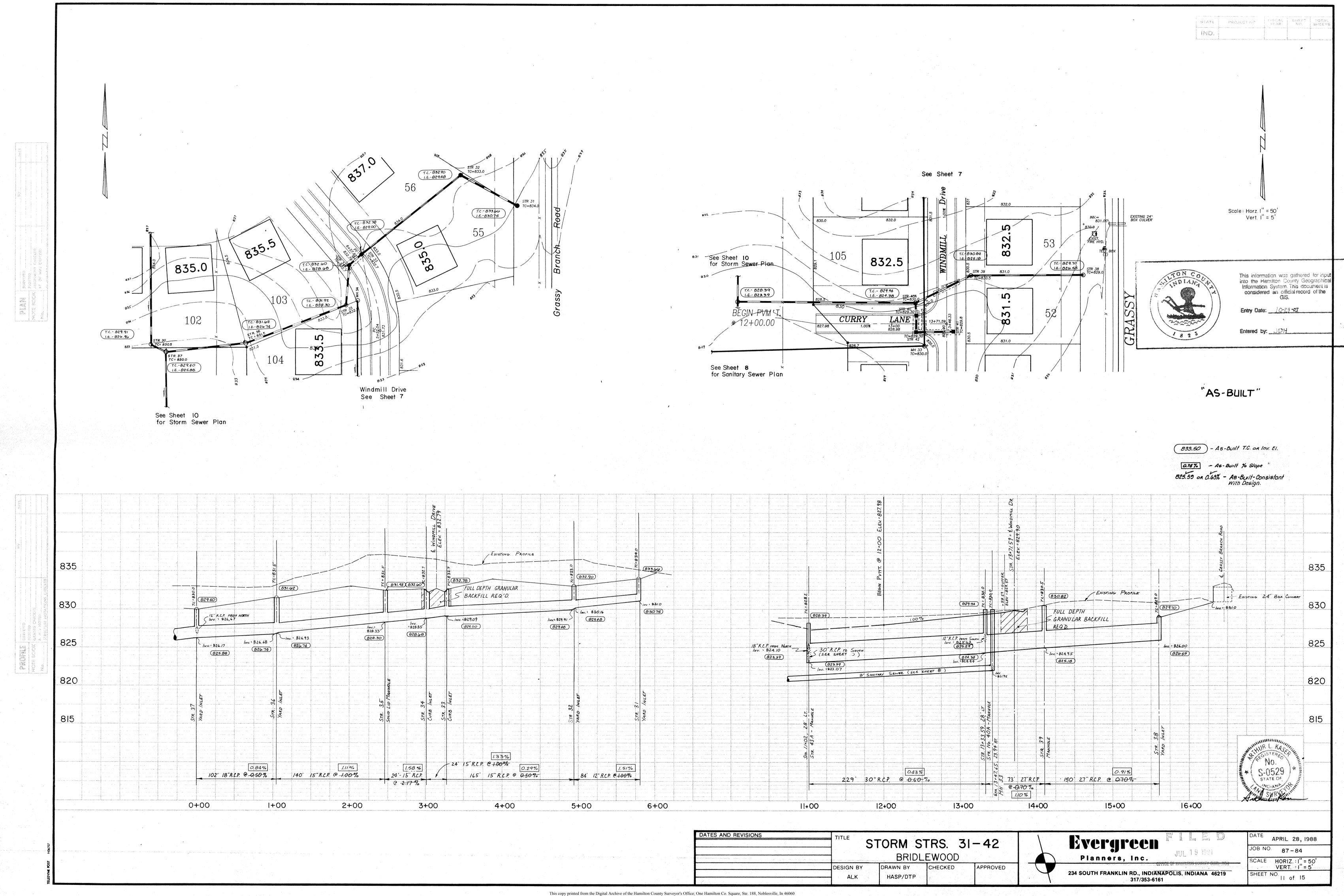


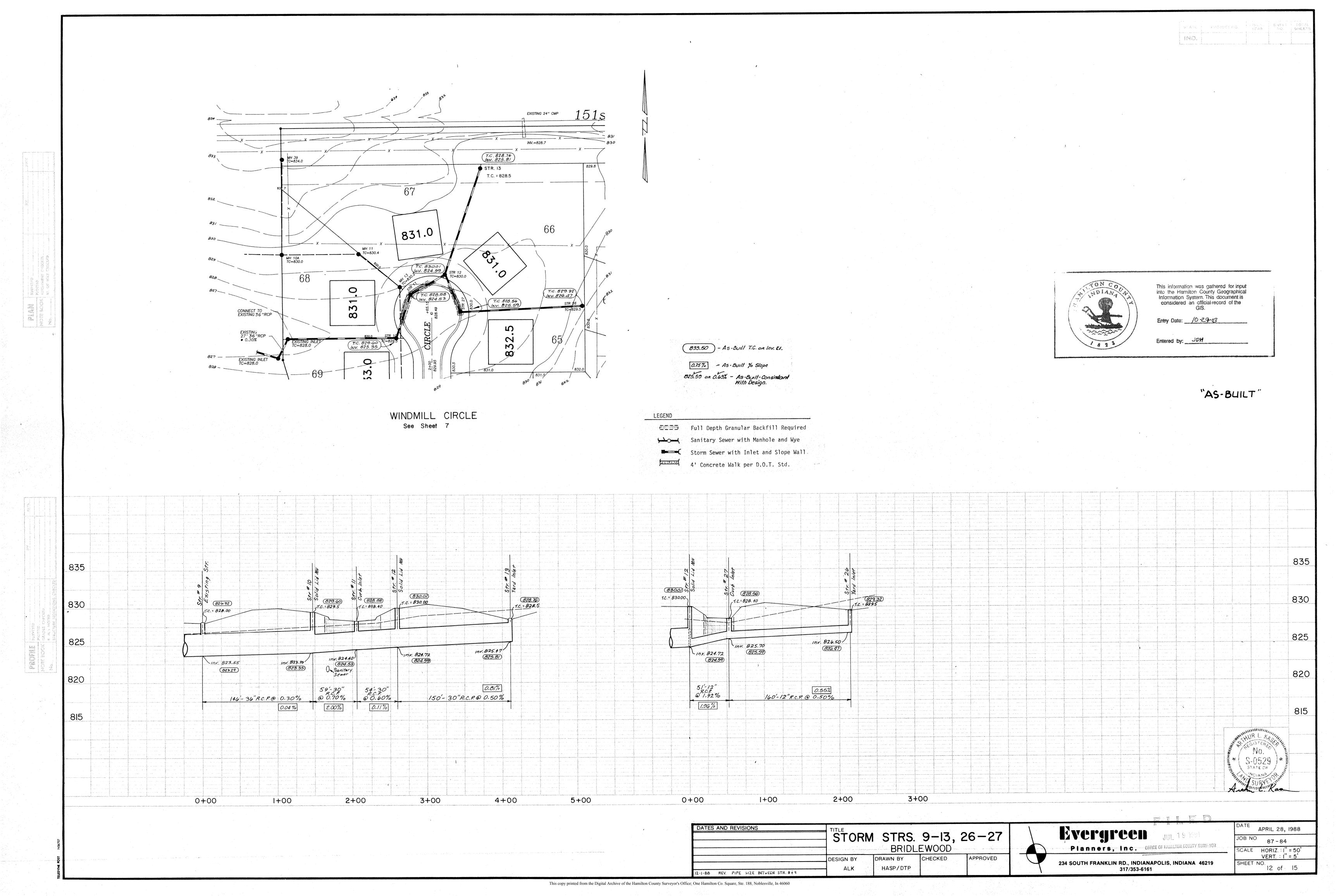


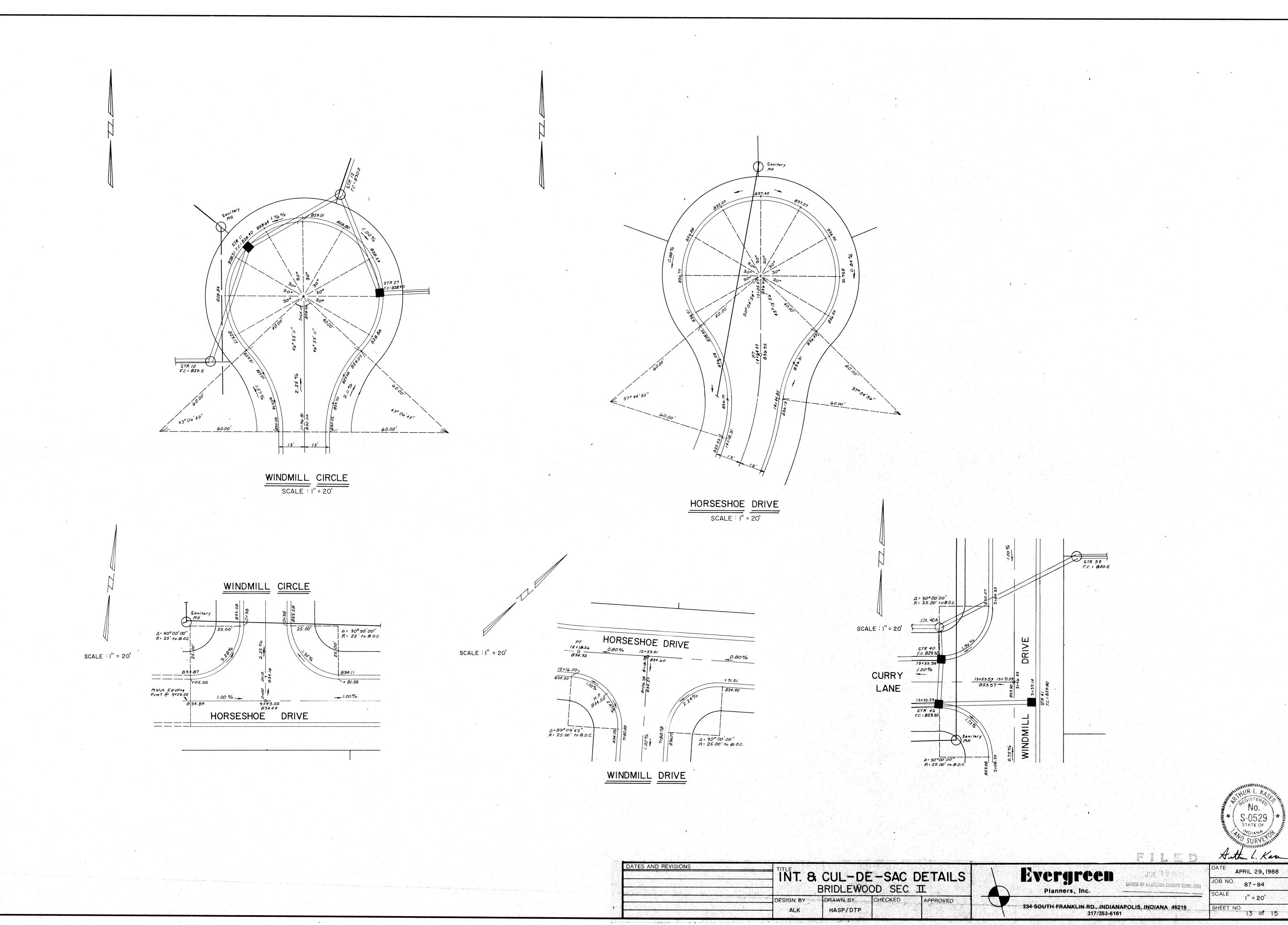


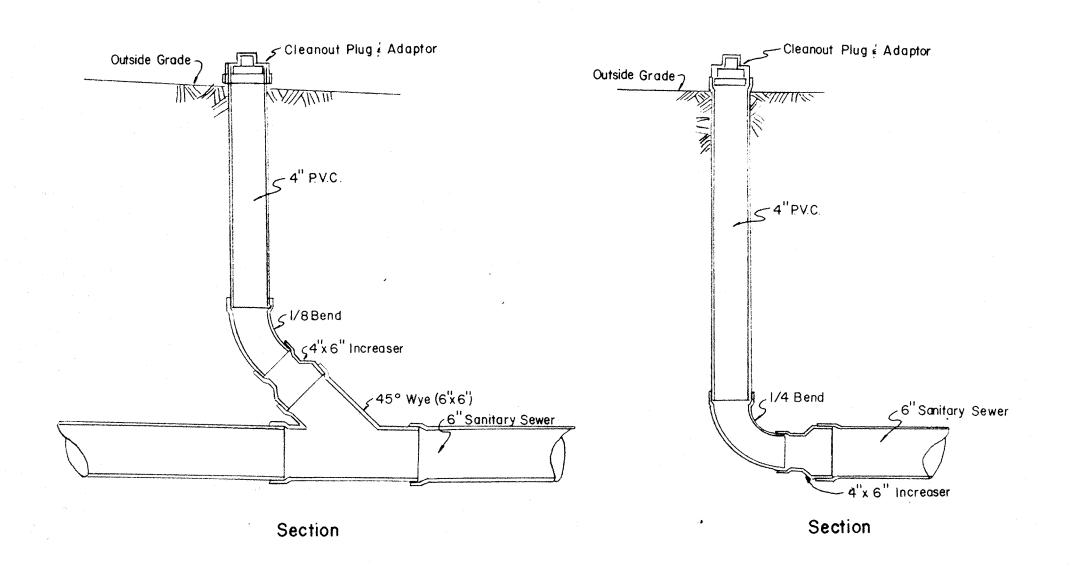






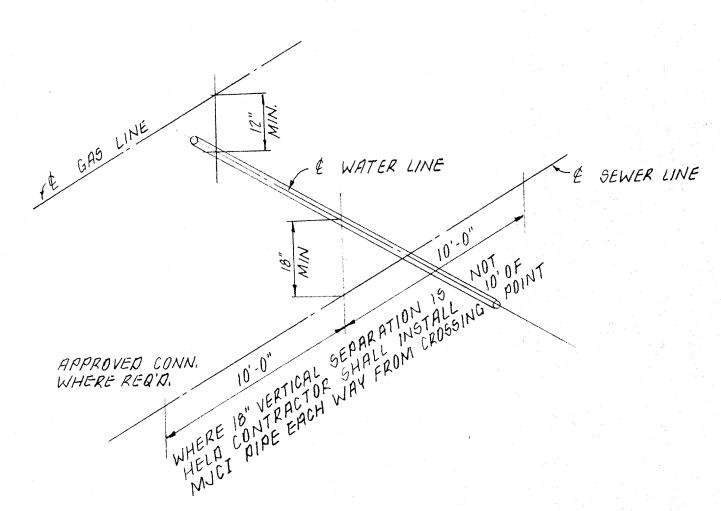




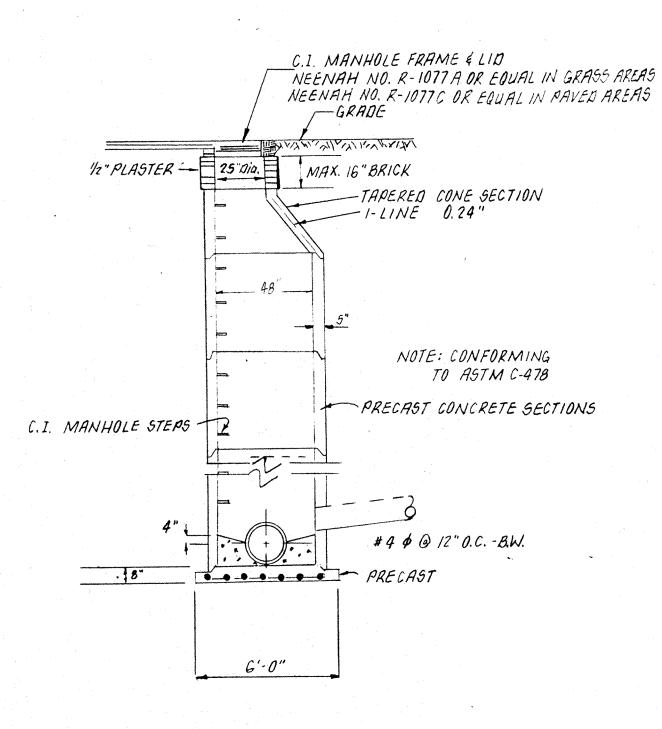


CLEAN OUT - TYPE I

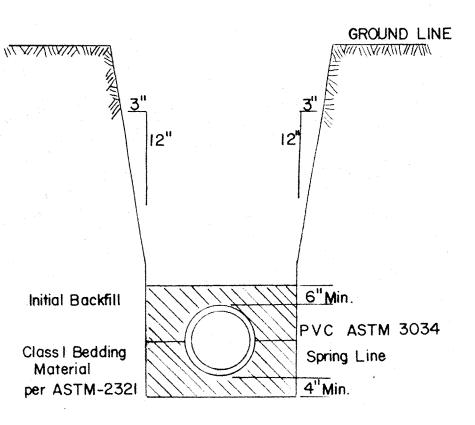
CLEAN OUT - TYPE II



UTILITY CROSSING DETAIL

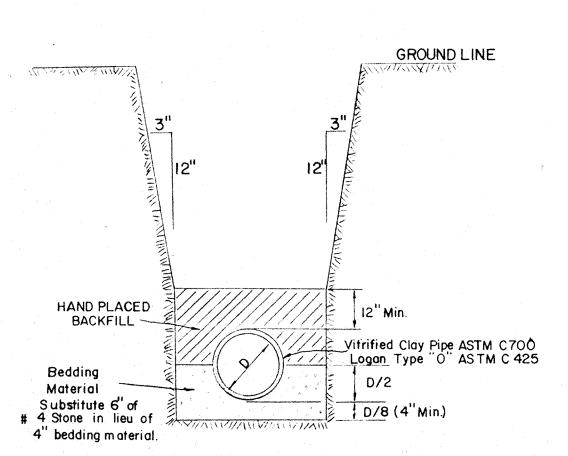


STANDARD MANHOLE
FOR SEWERS LESS THAN 24" DIA.

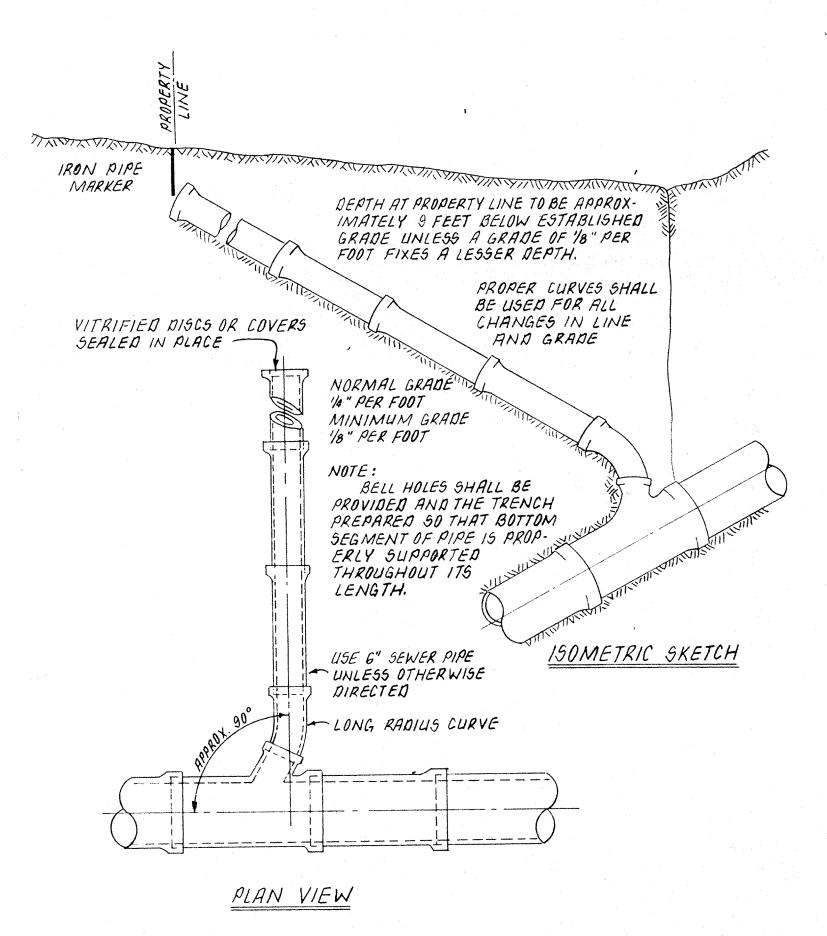


TRENCH SECTION
PVC ASTM 3034

PVC ASTM 3034 is an acceptable alternative to VCP. If flexible conduit shall be Class | Bedding Material as per ASTM-2321 (1.D.O.T. No. 4 stone is acceptable class | Bedding Material). Bedding and Initial Backfill Material will extend from a minimum of 4" below bottom of pipe to a minimum of 6 above the top of the pipe.



TRENCH SECTION



HOUSE CONNECTION TO MAIN SEWER

### GENERAL NOTES:

1. Utility Companies

Electric - Public Service Indiana General Office 839-9611

Water and Sewer - Hamilton Western Utilities

846-6561

Telephone - Indiana Bell Telephone Company
Buried Cable 800-382-5544

Gas - Indiana Gas General Office 926-3351

> Citizens Gas - Attention Max Howard General Office 924-3341 Underground Location 800-382-5544

 Contractor shall contact all utility companies to have underground facilities located prior to any excavation work.

3. Elevations at structures are pipe inverts (Inv) or top of casting (T.C.).

4. Infiltration/exfiltration testing shall be performed in accordance with the requirements of the Indiana State Board of Health.

5. Granular backfill is required for all utility trenches under paved areas.

FILED

DATES AND REVISIONS

TITLE

Develor

Design BY

DRAWN BY

CHECKED

APPROVED

234 SOUTH

OFFICE OF HAWILTON COL

JOB NO. 84-32

SCALE

As shown

SHEET NO

234 SOUTH FRANKLIN RD., INDIANAPOLIS, INDIANA 46219 317/353-6161