Drain: BRENTWOOD UILLIGES BROW Drain #: Z80

Improvement/Arm: SECTION |

Operator: JDH Date: /0-27-03

Drain Classification: Urban/Rural Year Installed: /995

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

GB 10-27

CPI 10-28

N/A

Q7 10-28

GA-10-28

Just 10-28

924 16-28

Apr 10-28

Ocid 11/20/2003 Suzann L. Mills

Gasb 34 Footages for Historical Cost Drain Length Log

Drain-Improvement: BRENTWOOD VILLAGES - SECTION 1

		one4h	1 0	1 1 1		
Drain Type:	Size:	Length (AS BULTS	Length (DB Query)	Length Reconcile	Price:	04
			(DD Query)	Recollene	Price:	Cost:
550	6"	5921'	5921'	Ø		
CMP	8"	60'	60'	d		
RCP	/2"	1,493,3'	1493.3	Ø		
	15"	560'	560'	ø		
	18**	Z, 088	2,088	Ø		
	214	49'	49'	ø		
	244	773'	773'	Ø		
ERCP	29×45"	150'	150'	Ø		
						-
					•	
	:					
	Sum:	110941	11,094'	_ø		
			ŕ	•		
inal Report:						
Comments:						
PIPE LENGTHS	INCORPLETLY A	DOED ON FINA	L REAGE. AC	WAL LENGTH	15 1/09	y'
	* * * * * * * * * * * * * * * * * * * *	·				





Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square Noblesville, Indiana 46060-2330ril 11, 1995

TO: Hamilton County Drainage Board

RE: Brentwood Village Drain

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Brentwood Village Drain. I have reviewed the submittals and petition and 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	6508ft	24" RCP	773ft
12"	RCP	1244ft	29x45 ERCP	150ft
15"	RCP	560ft		
1011	DCD	2126F+		

The total length of the drain will be 11,361 feet.

The retention pond (lakes) located in Black A on Lot 38 and Block B and Lots 1-3 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 the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

Included in the above lengths is the offsite storm drain, which runs through the James and Beth Ann Traylor property (10-20-00-005.000) This offsite system is to be maintained between

STORM MH #1 on the North edge of the proposed Worthington Subdivision to the Lake in Block A as shown on SHEET #2, development plan, for this subdivision. A fifteen (15') foot easement was given by Traylor to Langston, the Developer, per instrument NO 9506563 as recorded in the Hamilton County Recorder's Office. I recommend that the Board enforce the statutory thirty (30') foot easement. The additional fifteen (15') foot would lay East of the granted easement described in the above referenced instrument.

The offsite will terminate in STORM MH#1 as described above. The storm sewer system for the proposed Worthington Subdivision will be the maintenance responsibility for the City of Carmel.

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 portion of the SSD which will be regulated other than those under curbs are as follows: Between Lots 6 and 8; 5 and 6 and 10 and 11; Rear of Lots 17 to 20, 26 to 29 and between the lakes in Blocks A and B and 146th Street

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 \$25.00 per lot, \$5.00 per acre for roadways, with a \$25.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1113.56

Parcels assessed for this drain may be assessed for the Wheeler-Beals or Cool Creek Drain at sometime in the future.

I beleive 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 Brentwood Village as recorded in the office of the Hamilton County Recorder.

Page #3

I recommend the Board set a hearing for this proposed drain for May 1995.

Kenton C. Ward Hamilton County Surveyor

STATE OF INDIANA) \$\$: COUNTY OF HAMILTON)

TO: Hamilton County Drainage Board, Noblesville, Indiana % County Surveyor, Courthouse, Noblesville, Indiana

MXXXXXXXXXX Brentwood Village

In the matter o	f NONAXAXXXX Brentwood VIIIage	_Subdivision,
Section	Drain Petition.	
	he owner of all lots in the land affected brain. The drainage will affect various lo	WWWW Drantrand
AXXXX Villa	ge , a subdivision in Hamilton County	y, Indiana. The
general route o	f such drainage shall be in existing easem	ents and along
public roads as	shown in the plans on file in the Surveyor	r'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 improvement will:

- improve public health (a)
- benefit a public street (b)
- (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:

To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated 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 the Engineer throughout the construction phase. At completion of the project the Petitioners 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 shall request all changes from the approved plan 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 a reproducable print on a 24" x 36" mylar of the final design of the Drainage System. This shall be submitted prior to the release of the Performance Bond.
- 5. The Petitioner shall comply with the Erosion Control Plan 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 Surveyor shall immediately install or repair the needed measures as per IC 36-9-27-46.

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

SIGNED

Jim Langston
Vice-President, Langston Development
PRINTED NAME

15 /3	SIGNED			
. , .	PRINTED	NAME	 	

RECORDED OWNER (S) OF LAND INVOLVED

DATE June 28 ,19 94



WEIHE ENGINEERS, INC.

Civil Engineers

Land Surveyors

Land Planners

ALLAN H. WEIHE, P.E., L.S.
PRESIDENT

MICHAEL L. DEBOY, L.S.
VICE PRESIDENT

ENGINEERS ESTIMATE BRENTWOOD VILLAGE

Langston Development

Subsurface Drainage \$16,000.00

Allan H. Weihe, Weihe Engineers, Inc.



WEIHE ENGINEERS, INC.

Civil Engineers Land Surveyors Land Planners ALLAN H. WEIHE, P.E., L.S. PRESIDENT

MICHAEL L. DEBOY, L.S. VICE PRESIDENT

ENGINEERS ESTIMATE BRENTWOOD VILLAGE

Langston Development

Erosion Control \$8,500.00

Allan H. Weihe, Weihe Engineers, Inc.



ALLAN H. WEIHE, P.E., L.S. PRESIDENT

> MICHAEL L. DEBOY, L.S. **VICE PRESIDENT**

Engineers Estimate Brentwood

Langston Development

Monuments and Markers.....\$2000.00

4. Hecke

Allan H. Weihe



Amwest Surety Insurance Company

ONE COLLEGE PARK 8910 PURDUE ROAD, SUITE 305 INDIANAPOLIS, IN 46268 TEL (317) 872-1110 FAX (317) 872-1040

MAY 13, 1996

Bond No.: ;

Subdivider:

HAMILTON COUNTY BOARD OF COMMISSIONERS HAMILTON COUNTY GOV'T & JUDICIAL CENTER NOBLESVILLE, IN 46060

LANGSTON DEVELOPMENT CO., INC.

022004500

Amount:	\$144,200.00
Description:	SUBDIVISION BOND-BRENTWOOD VILLAGE STORM SEWER & SUBSURFACE
Location	DRAIN NOBLESVILLE, IN
Effective Date	: 11-01-95
AMWEST SURE	TY INSURANCE COMPANY is the Surety on the above bond. We would appreciate you
cooperation in pr	oviding the information requested below. Please return the form to us so that we may have
current status into	ormation on the above captioned improvements. Thank you for your assistance.
Have the imp	rovements been completed? Yes No
	26
,	
Is the work pr	rogressing satisfactorily? Yes Vo
Has this work	been accepted? Yes No
5. If so, what is	the date of acceptance?
6. If not, what is	the anticipated date of acceptance?SUMMER_ OF 96
COMMENTS: _	THE DEVELOPER RESUBMITTED REVISED PLANS TO THE
Continue	
e Praum	URVEYORS OFFICE DELETING UNDERDRAINS FROM SWALES,
REGRADIA	IL THESE SUNIES TO A 107 CONT.
	UG THESE SWALES TO A 1% SLOPE AND EXTENDING RCP
STORM PI	PE AT A COUPLE OF LOCATIONS.
	O 1 1
	1 h. 44. L
Signed by:	YLMY & LUTTON Name: VERRY L. LISTON
Data	
Date:	V 6-4-96 Phone: (317) 776-8495

A POSTAGE PAID REPLY HAS BEEN PRINTED ON THE REVERSE SIDE OF THIS FORM FOR YOUR CONVENIENCE OF THE ASSET FOLD ON BOTTED WINES AND USE TAPE TO SEAL! DO NOT STAPLE. 46060



Amwest Surety Insurance Company

ONE COLLEGE PARK 8910 PURDUE ROAD, SUITE 305 INDIANAPOLIS, IN 46268 TEL (317) 872-1110 FAX (317) 872-1040

JUN 15, 1996

Bond No.:

Subdivider:

Description:

Amount:

HAMILTON COUNTY BOARD OF COMMISSIONERS HAMILTON COUNTY GOV'T & JUDICIAL CENTER NOBLESVILLE, IN 46060

LANGSTON DEVELOPMENT CO., INC.

022004501

\$8,500.00

Description: 5 Location 1 Effective Date:	SUBDIVISION BOND-BRE NOBLESVILLE, IN 11-01-95	NTWOOD VILLAG	E EROSION CONT	ROL
cooperation in prov	Y INSURANCE COMPANY viding the information requestion on the above caption	ested below. Pleas	se return the form to	We would appreciate your or us so that we may have assistance.
 If not, what perc Is the work prog Has this work b If so, what is the 	vements been completed? cent has been completed? gressing satisfactorily? een accepted? e date of acceptance? ne anticipated date of accep	Yes Yes	No No No No R 96?	
COMMENTS:	DEVELOPER RES			S SPRING OF 96.
Signed by:	Jerry L Liston 7-15-96	Name:	JERRY L.	LISTON -8495

A POSTAGE PAID REPLY HAS BEEN PRINTED ON THE REVERSE SIDE OF THIS FORM FOR YOUR CONVENIENCE: PLEASE FOLD ON BOTTED LINES AND USE TAPE TO SEAL; DO NOT STAPLE. 46060

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: BRENTWOOD VILLAGE SUBDIVISION

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.

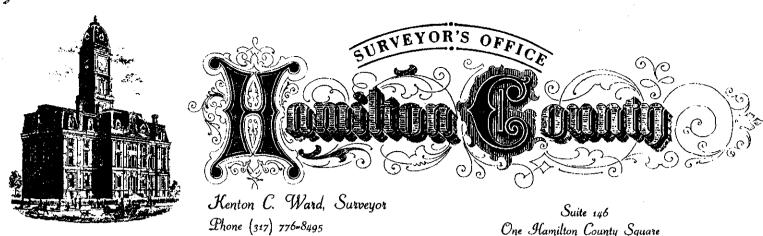
Signature:	Un D	!. Then	he Date:	Nov11,1996
Type or Printed Na	ame: Allan H.	Weihe		
Business Address:	10505 N. Col	lege Avenue,	Indianapolis,	Indiana 46280
- Felephone:	846-6611			

SEAL



INDIANA REGISTRATION NUMBER

#8827



To: Hamilton County Drainage Board

(317) 776=9628

One Hamilton County Square Noblesville, Indiana 46060-2230

December 6, 1996

Re: Brentwood Villages Drain -Sec. 1 Arm and Offsite

Attached are as-builts, certificate of completion & compliance, and other information for Brentwood Villages Sec. 1 and Offsite. 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 April 11, 1995. The changes are as follows:

Str 22-23 was listed on the original report as 38' feet of 18" RCP. This structure consists of 38' feet of 12" RCP. The metal end section at structure number 26 was replaced with a beehive inlet and extended out to a metal end section at the end of lot 26. This new segment consists of 159' feet of 12" RCP. The metal end section at structure number 37 was replaced with a beehive inlet and extended out to a behive inlet at the end of lot 17. This new segment consists of 141' feet of 12" RCP. Str 33-34 was omitted on the original report. This structure consists of 49' feet of 21" RCP. The outlet for the detention pond bordering lots 1,2, and 3 originally consisted of 12" RCP at 25' feet. This outlet was replaced with twin 8" CMPs at 20' feet. The outlet for the detention pond bordering lot 38 originally consisted of 12" RCP at 15' feet. This was replaced with twin 8" CMPs at 10' feet. The 6" SSD for Block A and Block B was outleted into these ponds. The 6" SSD was not installed across any of the lots listed in the original report. Thus, the corrected total of 6" SSD is now 5,921 feet.

The length of the drain due to the changes described above is now 11,064 feet.

The non-enforcement was approved by the Board at its meeting on May 22, 1995 and recorded under instrument #9609644543.

The bond or letter of credit from Amwest Surety Insurance Co., number 0022004500 for storm sewer and subsurface drains; number 0022004502 for monuments and markers; number

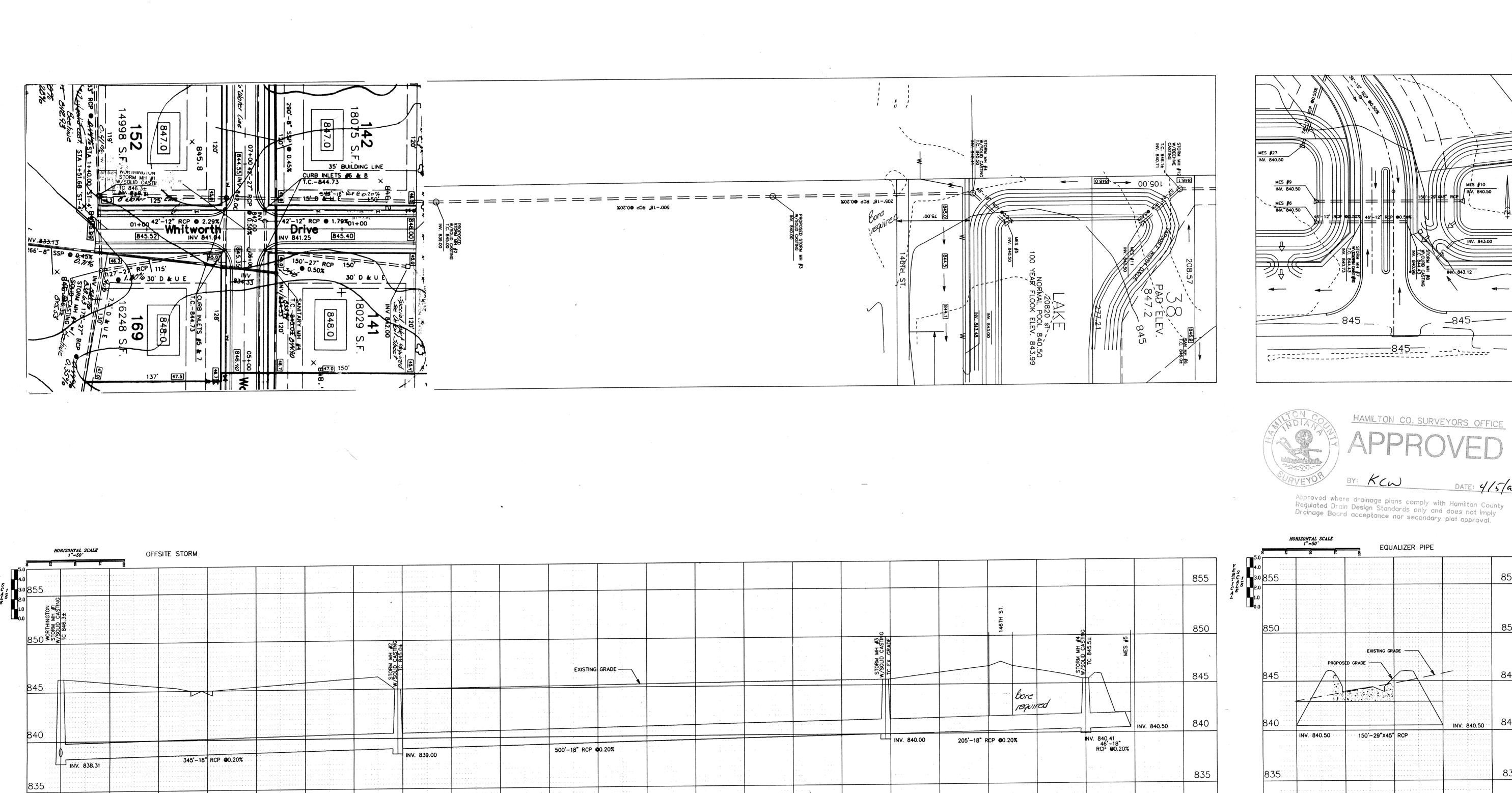
0022004501 for eroison control, dated June 5, 1995, in the amounts of \$144,200.00, \$2,000.00 and \$8,500.00, has expired.

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

Sincerely,

Kenton C. Ward, Hamilton County Surveyor

KCW/slm



6+50

6+00

5+50

4+00

1+50

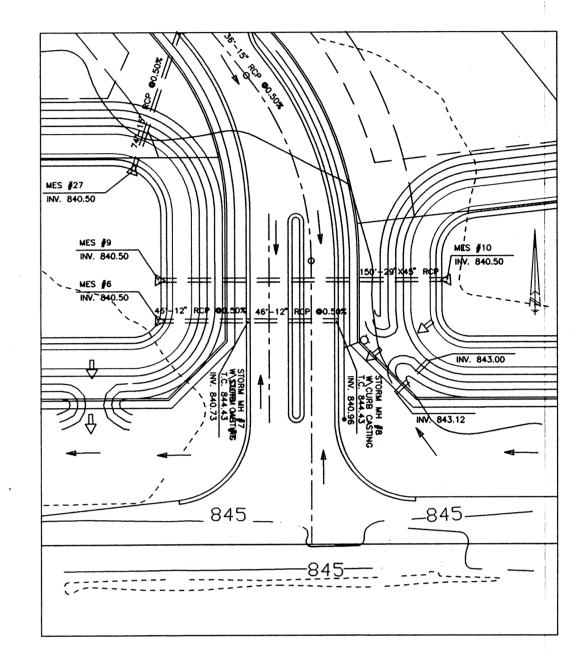
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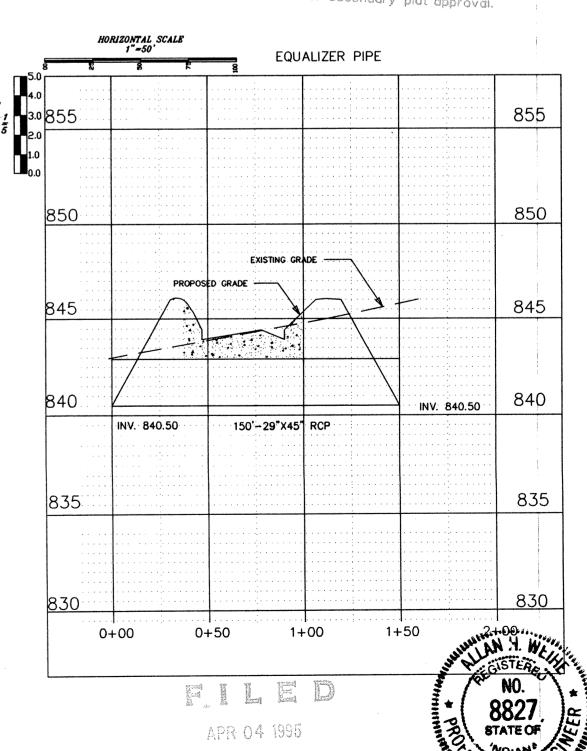
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9+50

10+00

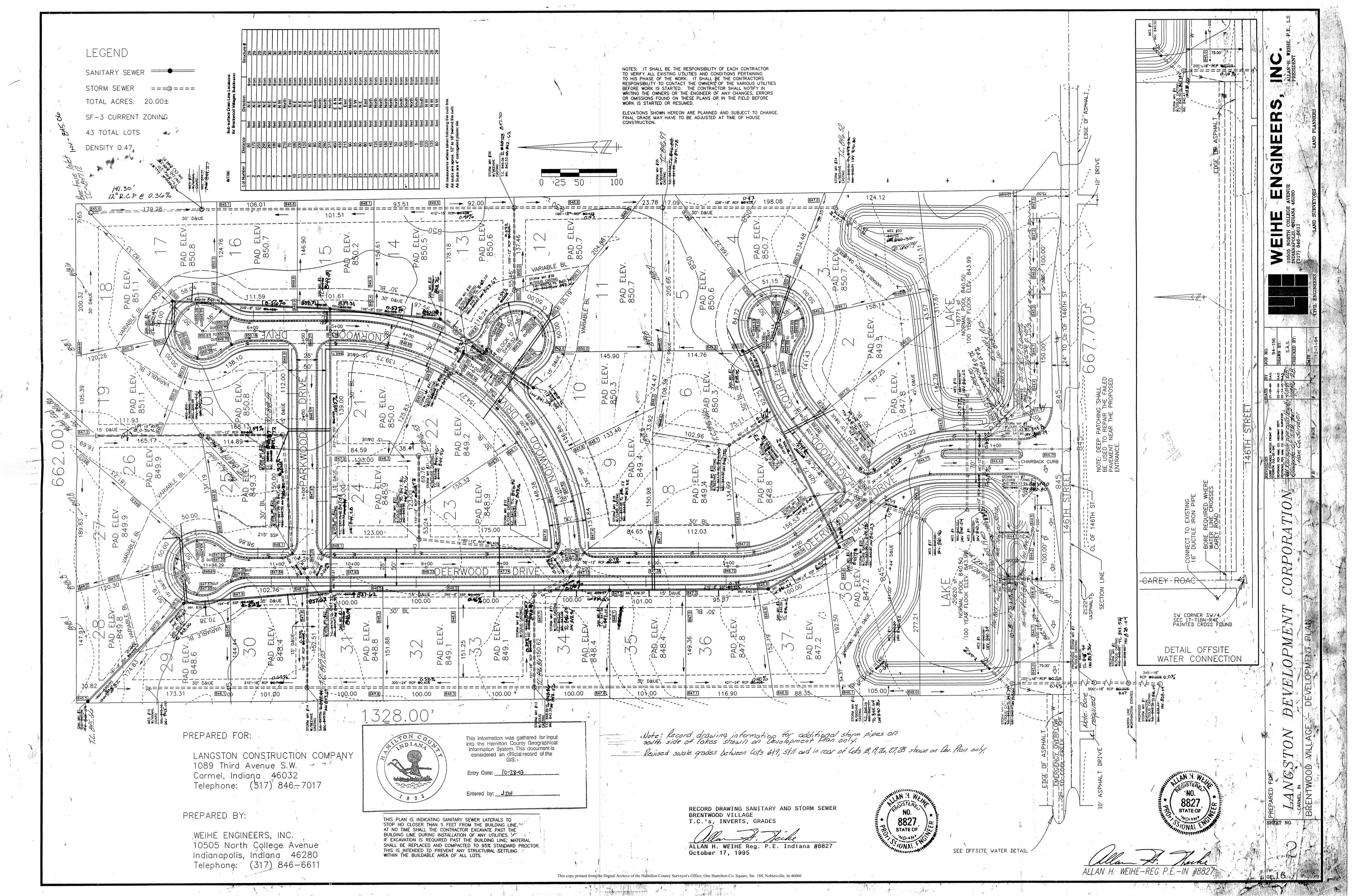
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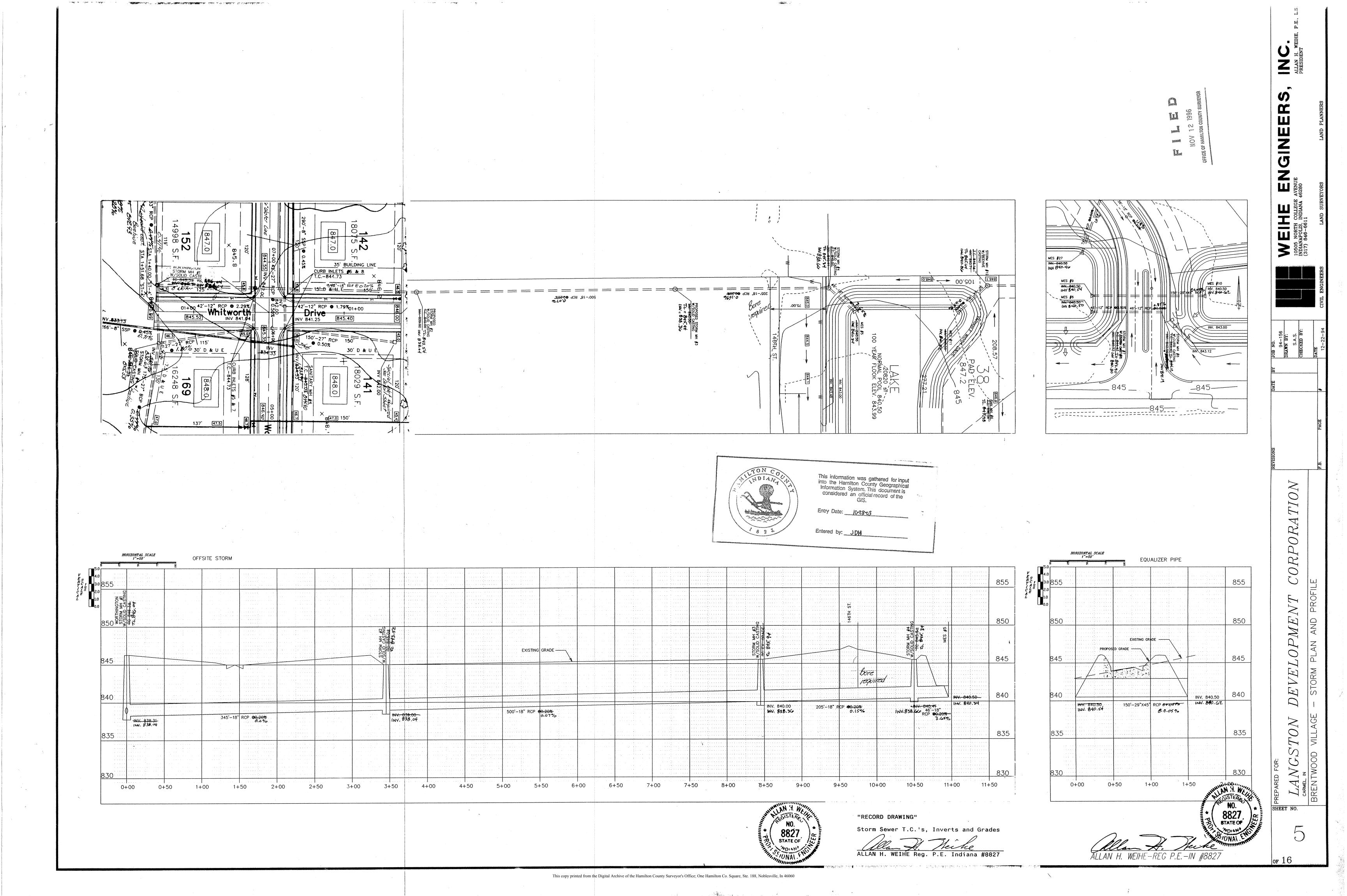
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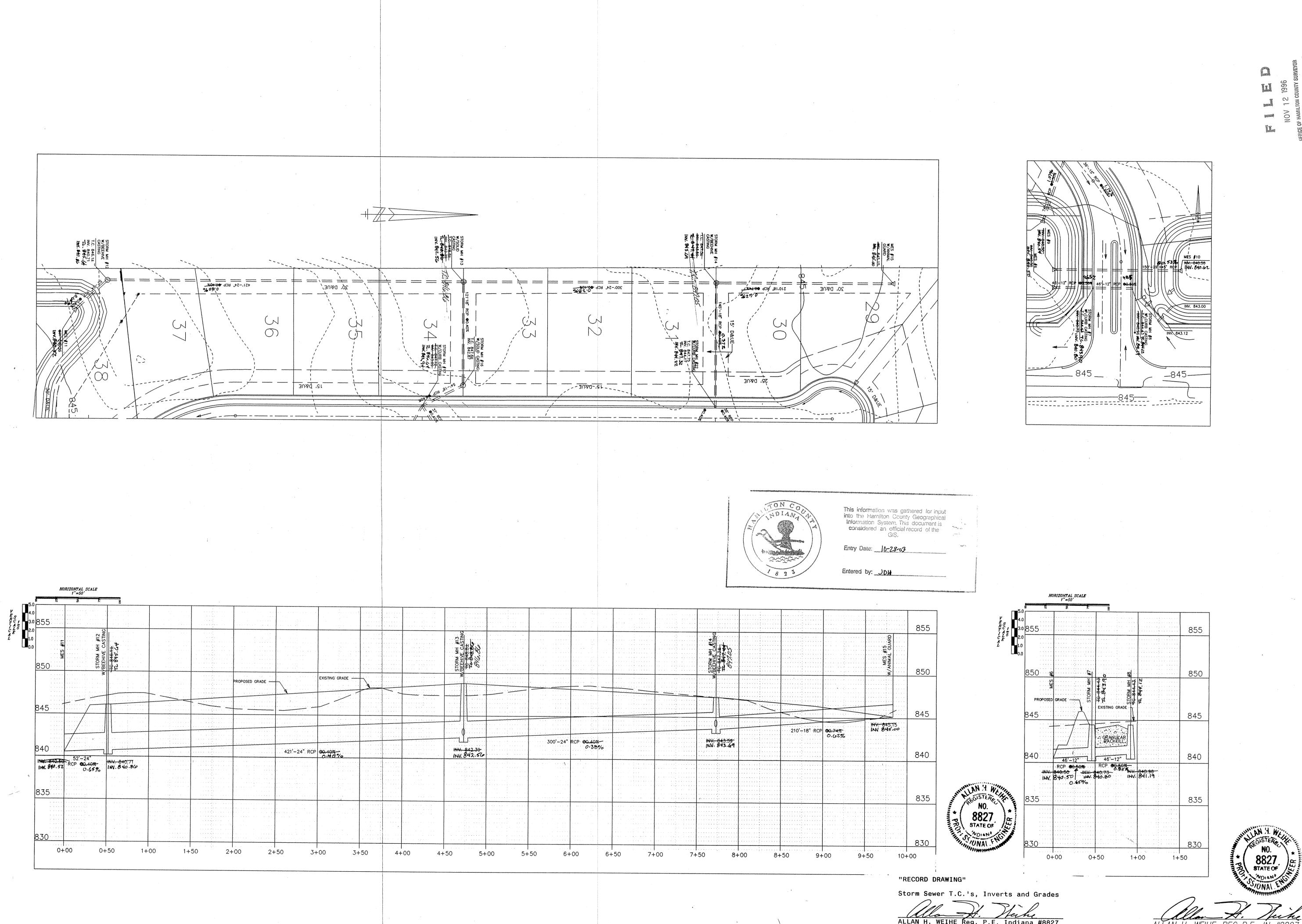
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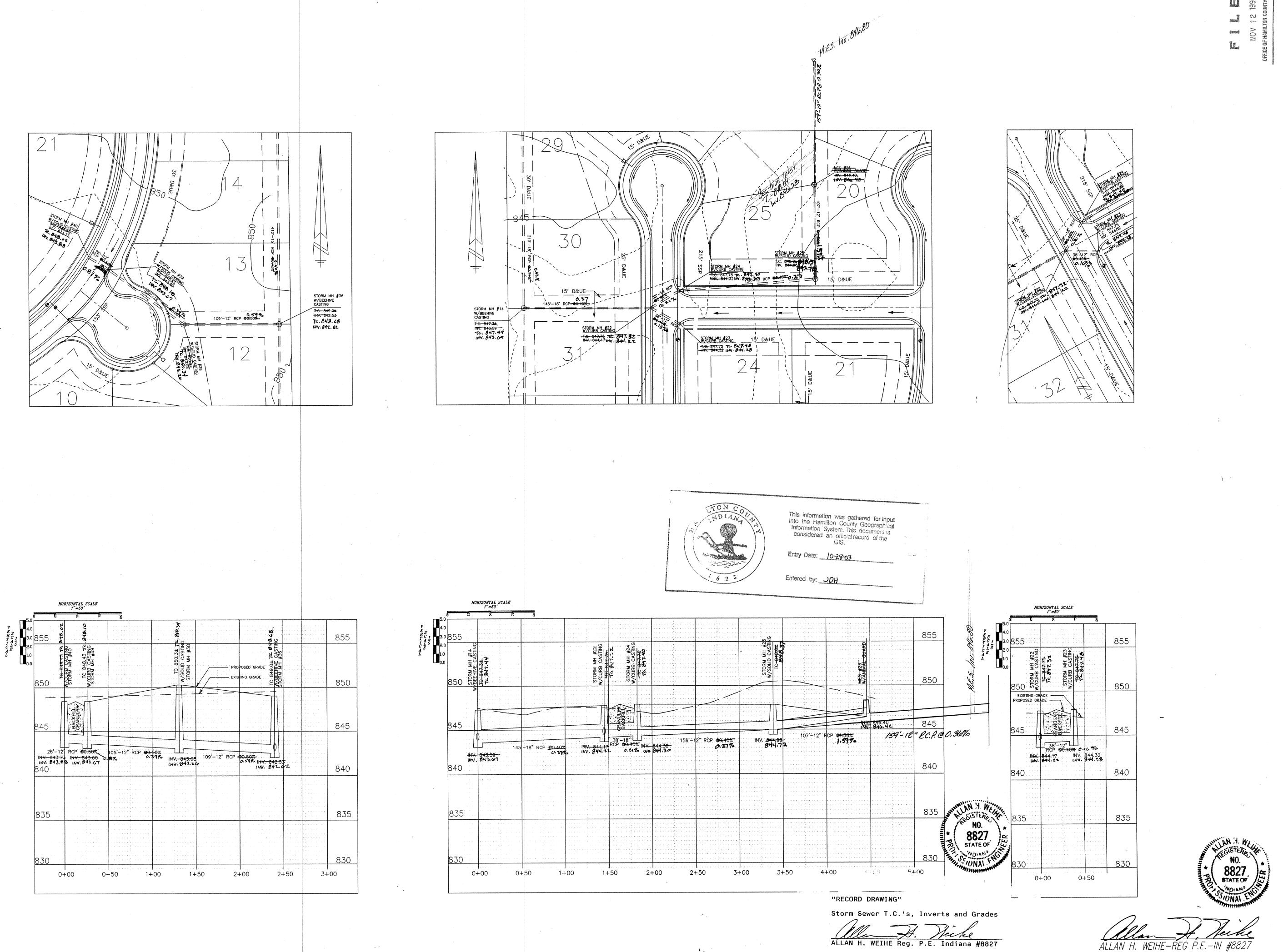
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OPMENT DEVEL LANGSTONCARMEL, IN

3RENTWOOD- VILLAGE



NOV 12 1996 F HAMILTON GOUNTY SURVEYOR

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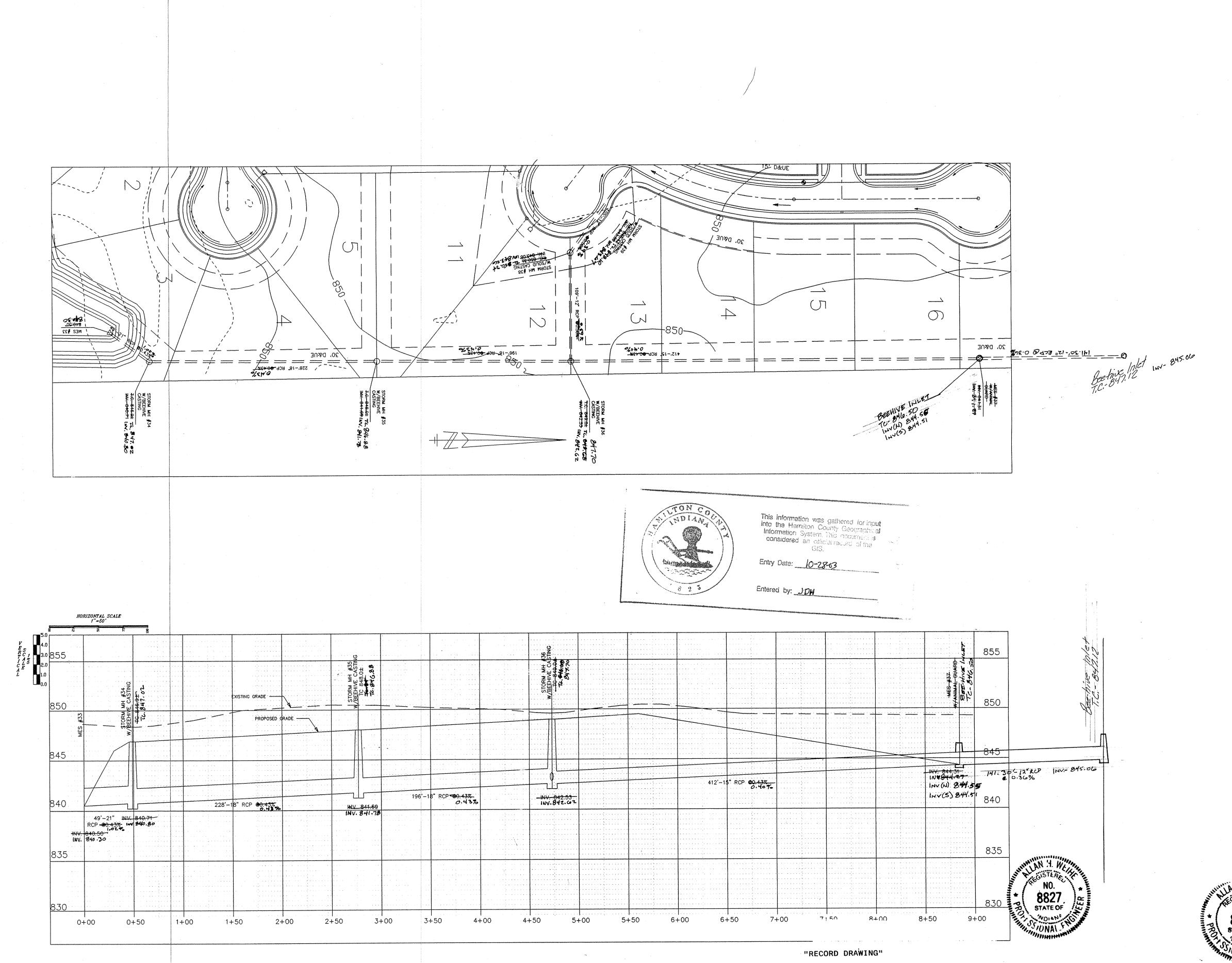
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 $LANGSTON \\ \text{CARMEL, IN} \\ \text{BRENTWOOD VIELA ACT}$

of 16



Storm Sewer T.C.'s, Inverts and Grades

ALLAN H. WEIHE Reg. P.E. Indiana #8827

- プログライン - 1995 - 1997 - 199

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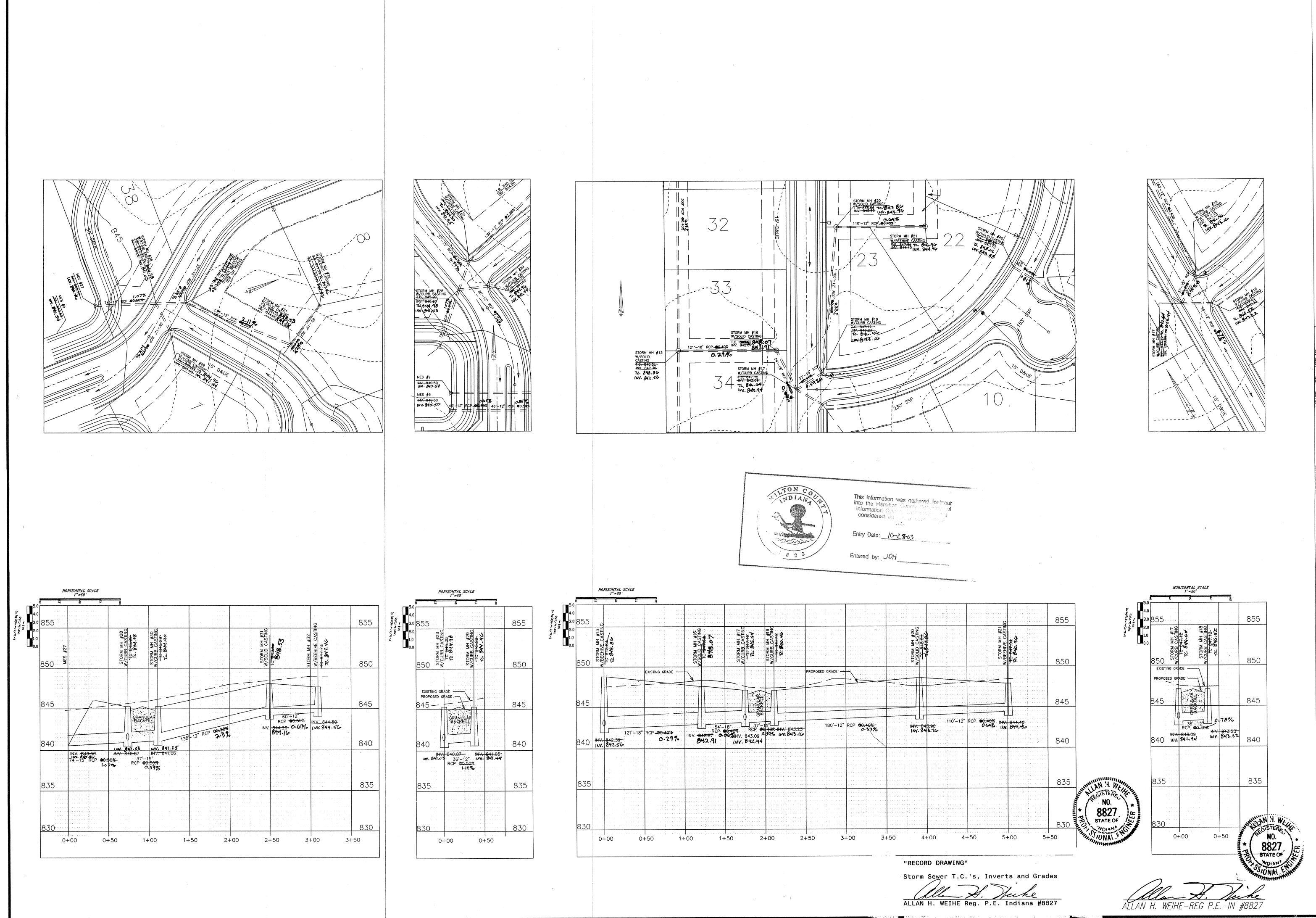
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DEVELOPMENTCARMEL, IN BRENTWOOD VILLAGE

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