

SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

776-9626

*Noblesville, Ind. 46060* February 16, 1989

TO: Hamilton County Drainage Board

RE: R.J. Craig Drain

Attached are Petitions for the reconstruction of the R.J. Craig Drain from Sunbeam Development Corporation, D.B. Mann Development Company and Trammel-Crow Company. Each petition relates to an individual segment of the drain. I believe each petition is in order and have addressed each below.

The request from D.B. Mann Development Company concerns the portion of the drain between 106th Street and the Norfolk-Southern Railroad. The project begins at approximately STA 52+20 of the 1951 reconstruction and ends at approximately STA 4120 of the 1951 reconstruction. The existing open ditch will not be involved in the project except beginning and ending points and removal of the obstructions in the open ditch. The project consists of a cutoff ditch 1159 feet in length, 15 feet in bottom width, 2:1 side slopes and an average 6 feet in depth.

The purpose of the channel is to provide flow capacity within the flood plain for flood events. This is necessary because of the fill being done within the floodway for building pads. In effect this is compensated volumes of fill and excavation in order to keep the existing capacity within the floodway. This was designed by Melto<sup>1</sup>Packard and Associates in conjunction with the Division of Water at Indiana Department of Natural Resources. This channel should become part of the drain for future maintenance. Approval shall be contingent upon final approval of IDNR. If approved a Performance Bond for 100% of this construction cost be submitted and released upon final approval by the Surveyor and submittal of "As Built" Drawings.

32  
The request from Sunbeam Development consists of the relocation of a portion of the drain and the vacation of Arm #1 as described in the 1899 Viewers Report for the R.J. Craig Drain, I believe it to be acceptable. The vacation of Arm #1 will be necessary for the construction of the USA Funds Building. The vacation will not be detrimental to the remainder of the drainage shed for Arm #1. The storm sewer system for the Sunbeam tract and USA Funds will be constructed so as to handle this area. The vacation of Arm #1 will consist of 1423 feet and should be immediate upon approval of this report at the March Drainage Board meeting.

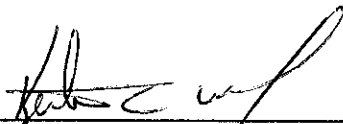
The relocation and reconstruction of the R.J. Craig Drain will begin at approximately STA 30+00 of the 1899 Views Report. The proposed route of the new drain shall be along the East proposed Right-of-Way line of Lantern Road with the centerline of the new storm sewer 35 feet from the centerline of the road. The storm sewer will consist of 3400 feet of 36" RCP and 1350 feet of 54" RCP. An arm, Arm #1, consisting of 670 feet of 21" RCP will be constructed running East from STA 5+50 of this project to approximate STA 70+70 of the 1899 drain. The total length of the relocated drain shall be 5420 feet. The length of drain as described in the 1899 report from STA 81+00 to STA 30+00 shall be vacated. The total length to be vacated shall be 5100 feet.

The relocation shall be in Phases. Phase One shall consist of STA 0 to STA 5+50 of the relocation and Arm #1 of the relocation. Vacation of the 1899 description between STA 81+00 and STA 70+70 shall be included with this Phase. Phase 2 shall be the remainder of the proposed relocation which shall include the vacation of STA 70+70 to STA 30+00 of the 1899 Drain. For each Phase I recommend that the petitioner submit a Performance Bond or Letter of Credit for 100% of the estimate. The Surety for Phase One should be submitted within 15 days of approval and shall be for a one year period. Phase One should be completed one year from date of approval. Phase Two shall commence no later than one year from date of approval and shall have submitted surety as described above prior to commencing of work. Phase two shall be completed within 2 years of approval. Surety for both phases is to be released upon final inspection by the Surveyor and submittal of "As Built" Drawings.

34  
The request from Trammel-Crow Company is for the vacation of the R.J. Craig Drain from STA 0 to STA 30+00 as described in the 1899 Viewers Report. This request is based upon the reconstruction of the Margaret O'Brien Drain. The proposed reconstruction of the O'Brien Drain has been planned and upon review I believe it will benefit the existing acreage now served by the Craig Drain, by improving

the drainage situation. At this time the reconstruction of the O'Brien Drain has not been set for hearing. However, I hope that such a hearing can be set for April or May of this year. I recommend the vacation of this section of the R.J. Craig Drain be contingent upon final approval of the Margaret O'Brien Drain reconstruction and final acceptance of the construction of the proposed O'Brien Drain relocation.

Upon review of the various plans and existing drainage shed, I recommend to the Board that the drainage shed for the R.J. Craig remain as it is. Changes would only be made for the section on the Crow property and those changes should only be initiated upon final acceptance of the Margaret O'Brien reconstruction/relocation.



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Kenton C. Ward  
Hamilton County Surveyor

KCW/no



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

March 4, 1998

**Re: RJ Craig Relocation Phase II:  
 Lantern Road & Wellington Place Apts.**

Attached are as-builts, certificate of completion & compliance, and other information for the RJ Craig Relocation: Lantern Road & Wellington Place Apts. 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 February 16, 1989. The changes are as follows:

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

MH #4-4A (removed)			36" RCP	25' With USA Pky
MH #4	812.81	801.99		
MH #9	811.72	802.07	54" RCP	50'
MH #9	811.72	807.62		
MH #9A		808.02	21" RCP	20'
MH #9	811.72	807.62		
MH #10	810.05	803.05	54" RCP	755'
MH #10	810.05	803.05		
MH #11	817.59	804.69	36" RCP	707'
MH #11	817.59	804.69		
MH #12	817.4	804.98	36" RCP	60'
MH #12	817.4	804.98		
MH #13	815.82	805.84	36" RCP	340'
MH #13	815.82	811.34		
MH #13A	815.08	811.88	12" RCP	56'
MH #13	815.82	805.84		
MH #14	816.66	806.62	36" RCP	409'

MH #14	816.66	811.94		
MH #14A	816.2	812.4	12" RCP	55'
MH #14	816.66	806.62		
MH #15	812.87	806.29	36" RCP	339'
MH #15	812.87	806.29		
MH #16	812.58	807.23	36" RCP	457'
MH #16	812.58	807.23		
ES #16A		810.54	12" RCP	63'
MH #16	812.58	807.23		
MH #17	811.81	807.63	36" RCP	170'
MH #17	811.81	807.63		
MH #18		808.5	36" RCP	497'
MH #18		808.5		
MH #18A		810.94	15" RCP	70'
MH #18		808.5		
MH #19	813.53	809.35	36" RCP	259'

The length of the drain due to the changes described above is now 4282 feet. The original Craig drain as described in the 1899 Viewers Report was vacated from Sta 70+70 to Sta 30+00 for a total of 4070 feet. Therefore, the total additional length of drain is **212 feet**.

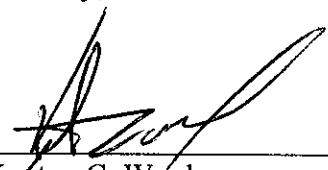
**Note: The RJ Craig drain was vacated from Sta 0 to Sta 30+00 with the completion of North by Northeast Business park as a part of the Margaret O'brien Drain.**

A non-enforcement was not submitted.

The bond or letter of credit from The Provident Bank, number #16261-018; dated May 11, 1995; in the amount of \$72,225.00; was released September 9, 1996.

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

Sincerely,



\_\_\_\_\_  
Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm

## Asbuilt Structures

**Project:** RJ CRAIG RECONSTRUCTION PHASE II: SUNBEAM DEV

*LANTERN RD & Wellington Place  
Apts.*

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

MH #4-4A (TAKEN OUT)			36" RCP	25'	PUT IN WITH USA PKY
MH #4	812.81	801.99			
MH #9	811.72	802.07	54" RCP	50'	
MH #9	811.72	807.62			
MH #9A		808.02	21" RCP	20'	
MH #9	811.72	807.62			
MH #10	810.05	803.05	54" RCP	755'	
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MH #15	812.87	806.29	36" RCP	339'	
MH #15	812.87	806.29			
MH #16	812.58	807.23	36" RCP	457'	
MH #16	812.58	807.23			
ES #16A		810.54	12" RCP	63'	
MH #16	812.58	807.23			
MH #17	811.81	807.63	36" RCP	170'	
MH #17	811.81	807.63			
MH #18		808.5	36" RCP	497'	
MH #18		808.5			
MH #18A		810.94	15" RCP	70'	
MH #18		808.5			
MH #19	813.53	809.35	36" RCP	259'	

*1122*

**6" SSD Streets:**


**6" SSD Lots:**




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**Total:** 0

**RCP Pipe Totals:**

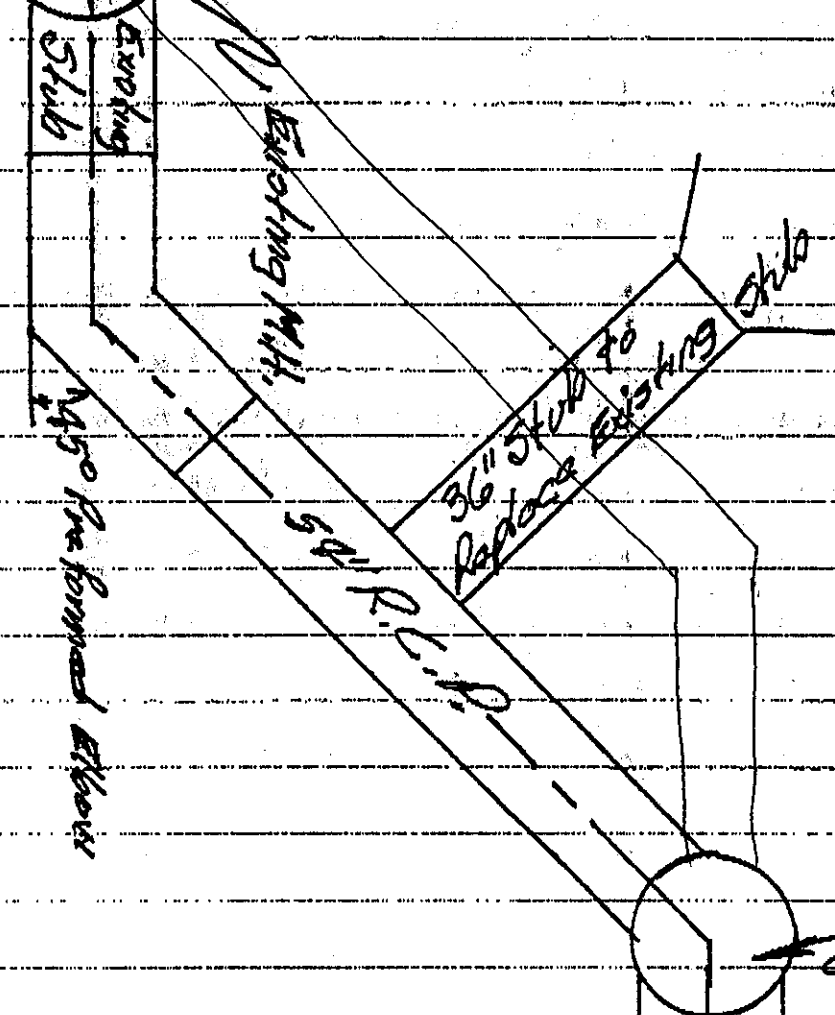
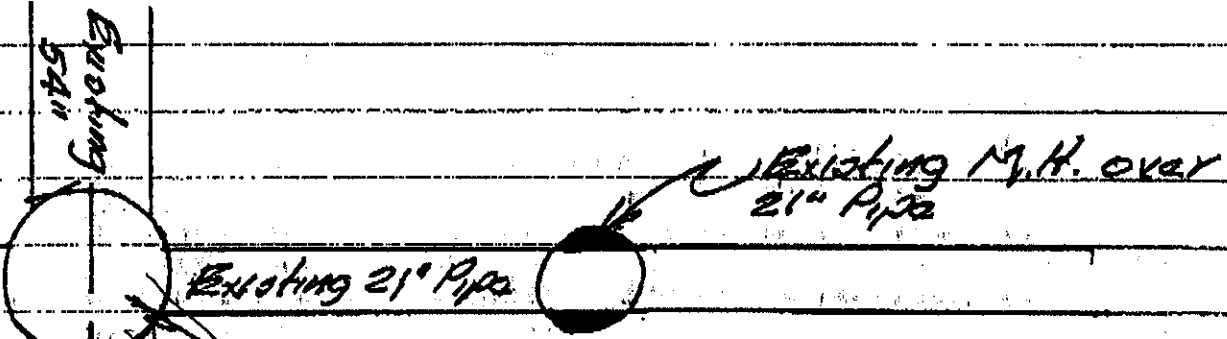
54" RCP	805'
36" RCP	3213'
21" RCP	20'
15" RCP	70'
12" RCP	174'

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**Total:**

<b>Other Drain:</b>

**Total Length of Drain:** 4282 FT



Existing 54\"/>

35'

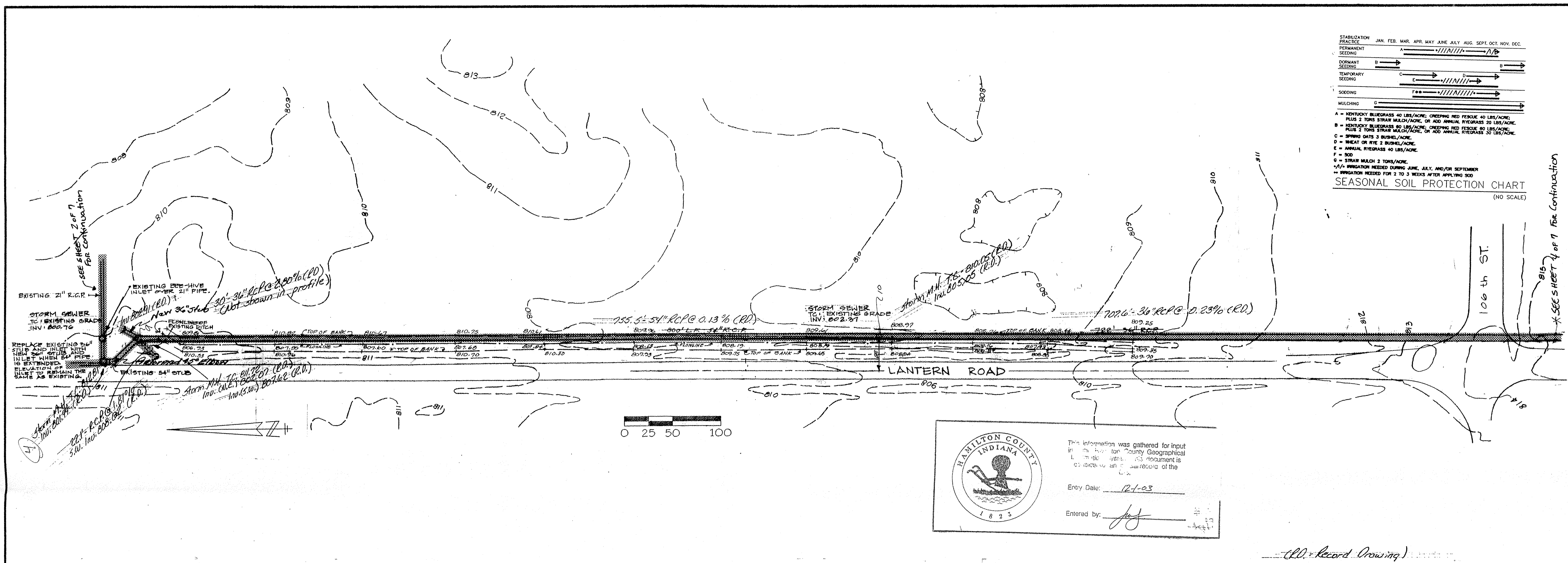
Hart.

Detail of Proposed Revision at start of New  
Construction of R.J. Craig.

Stam

776-9628

Post-It™ brand fax transmittal memo 7671		# of pages ▶
To Hart Ward	From S. Neal	
Co.	Co.	
Dept.	Phone #	
Fax # 776-9628	Fax #	



STABILIZATION PRACTICE

STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING	A											
DORMANT SEEDING	B											
TEMPORARY SEEDING	C											
MULCHING	D											

A = KENTUCKY BLUEGRASS 40 LBS./ACRE, CREEPING RED FESCUE 40 LBS./ACRE, PLUS 2 TONS STRAW MULCH/ACRE, OR 400 ANNUAL RYEGRASS 20 LBS./ACRE.  
 B = KENTUCKY BLUEGRASS 40 LBS./ACRE, CREEPING RED FESCUE 40 LBS./ACRE, PLUS 2 TONS STRAW MULCH/ACRE, OR 400 ANNUAL RYEGRASS 20 LBS./ACRE.  
 C = SPRING OATS 3 BUSHEL/ACRE.  
 D = WHEAT OR RYE 2 BUSHEL/ACRE.  
 E = ANNUAL RYEGRASS 40 LBS./ACRE.  
 F = SOY.  
 G = STRAW MULCH 2 TONS/ACRE.

\*//A// IRRIGATION NEEDED DURING JUNE, JULY, AND/OR SEPTEMBER  
 \*\*//B// IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOY

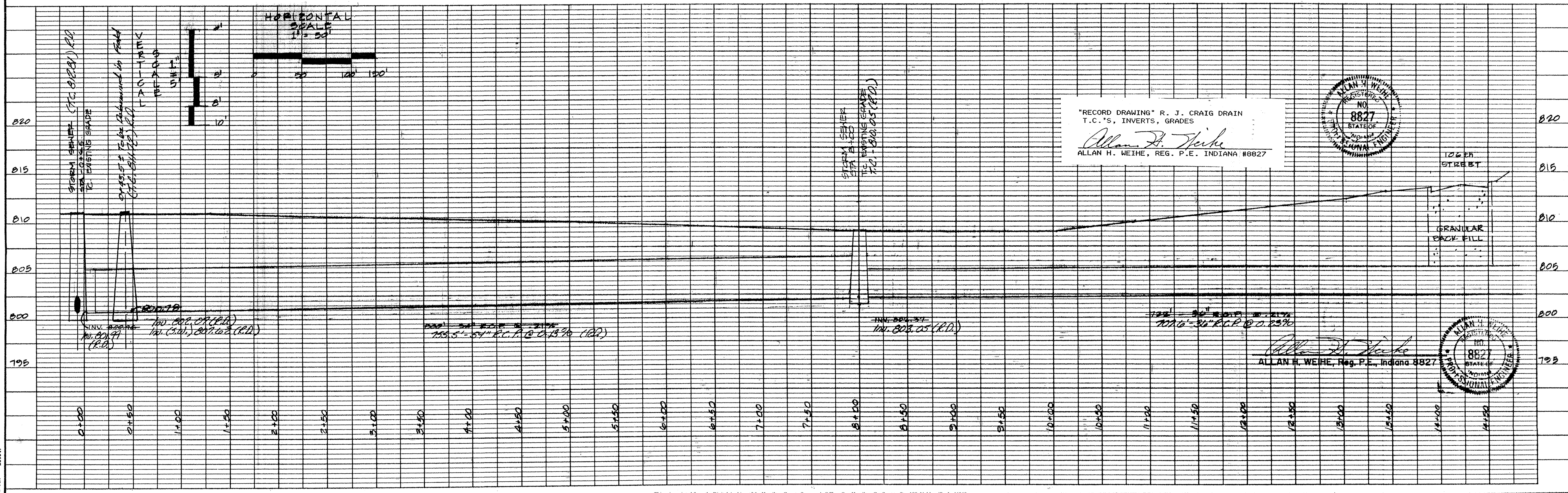
SEASONAL SOIL PROTECTION CHART (NO SCALE)

HAMILTON COUNTY INDIANA

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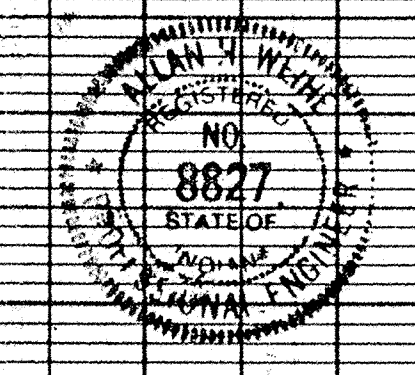
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"RECORD DRAWING" R. J. CRAIG DRAIN  
 T.C.'S, INVERTS, GRADES

*Allan H. Weihe*  
 ALLAN H. WEIHE, REG. P.E., INDIANA #8827



WEIHE ENGINEERS INC.  
 10505 NORTH COLLEGE AVENUE  
 INDIANAPOLIS, INDIANA 46280  
 (317) 846-8611

ALLAN H. WEIHE, P.E., L.S. PRESIDENT  
 MICHAEL L. DABOY, L.S. VICE PRESIDENT

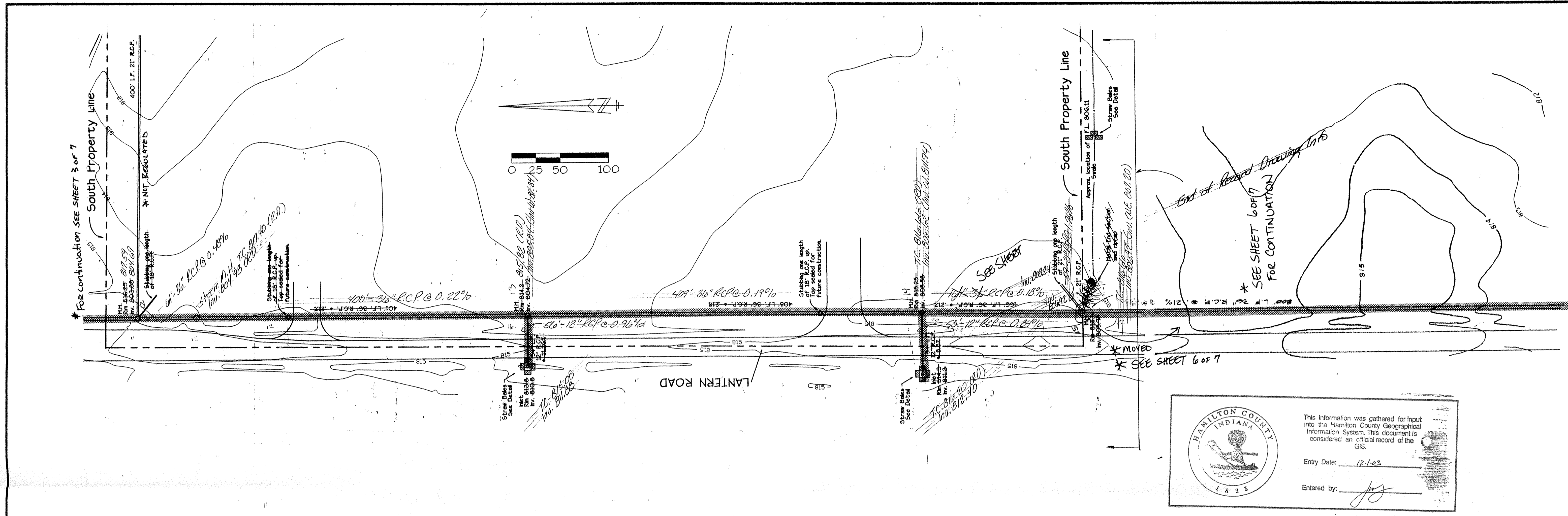
LAND PLANNERS  
 LAND SURVEYORS  
 CIVIL ENGINEERS

NO. 100-220677  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: 12/1/03

REVISIONS: [Table with 2 columns: Description, Date]

PREPARED FOR: SUNBEAM DEVELOPMENT CORP., INDIANAPOLIS, INDIANA  
 PROPOSED STORM SEWER - PLAN AND PROFILE SHEET

SHEET NO. 2 OF 7

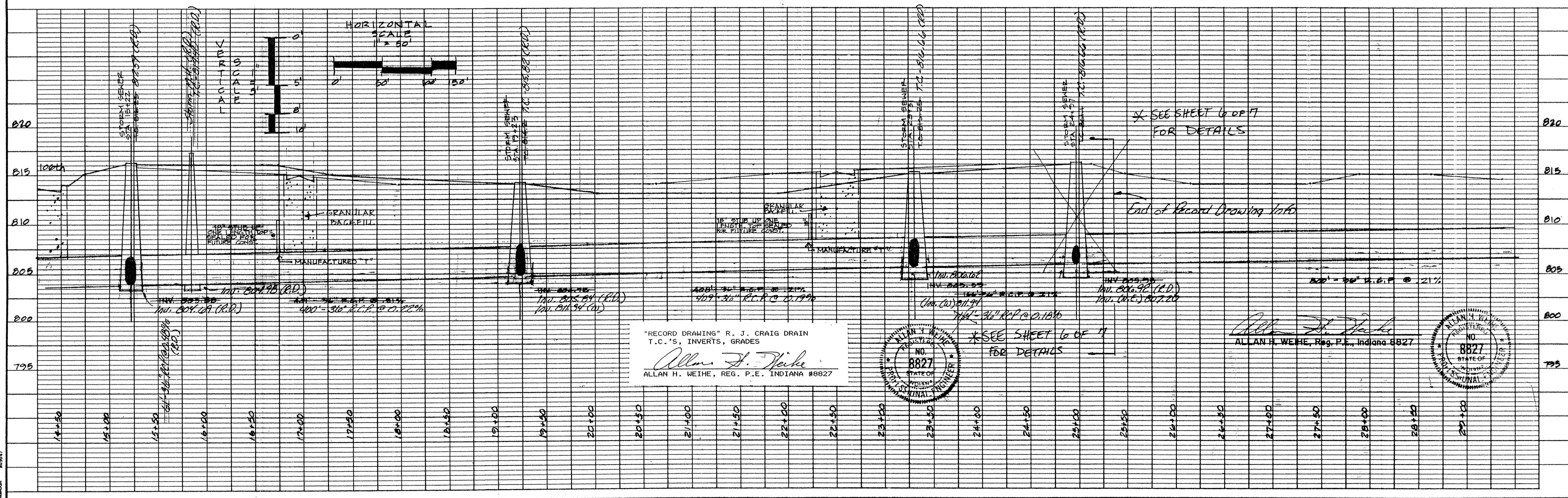


HAMILTON COUNTY INDIANA 1823

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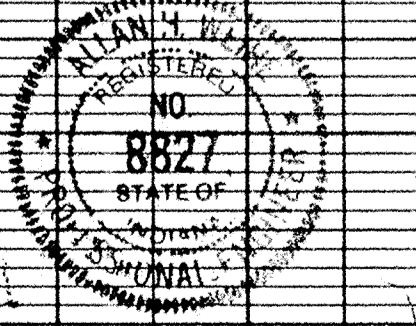
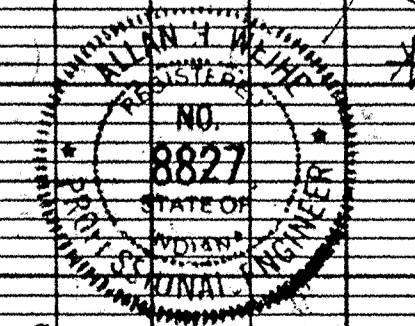
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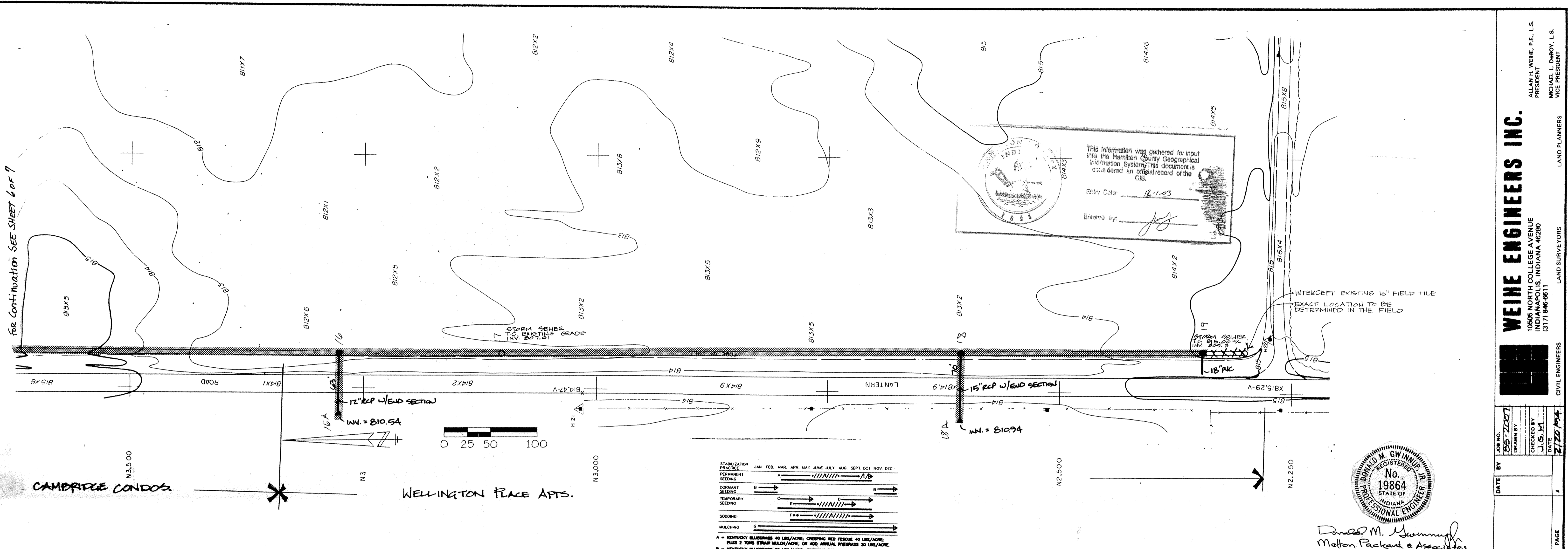
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"RECORD DRAWING" R. J. CRAIG DRAIN  
T.C.'S, INVERTS, GRADES

*Allan H. Weihe*  
ALLAN H. WEIHE, REG. P.E. INDIANA #8827



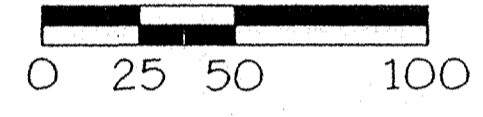


This information was gathered for input into the Hamilton County Geographical Information Systems. This document is considered an official record of the GIS.

Entry Date: 12-1-05

Entered by: [Signature]

INTERCEPT EXISTING 16" FIELD TILE  
EXACT LOCATION TO BE DETERMINED IN THE FIELD



STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING	A											
DORMANT SEEDING	B											
TEMPORARY SEEDING	C											
SOODING	D											
MULCHING	E											

**SEASONAL SOIL PROTECTION CHART**  
(NO SCALE)

A = KENTUCKY BLUEGRASS 40 LBS./ACRE, CROPPING RED FESCUE 40 LBS./ACRE, PLUS 3 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 20 LBS./ACRE, PLUS 3 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS./ACRE.  
 B = KENTUCKY BLUEGRASS 40 LBS./ACRE, CROPPING RED FESCUE 40 LBS./ACRE, PLUS 3 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS./ACRE.  
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 // = IRRIGATION NEEDED DURING JUNE, JULY, AND/OR SEPTEMBER  
 // = IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOO



Daniel M. Gwin  
Matton Packard & Associates  
AS-BUILT 5-8-96

