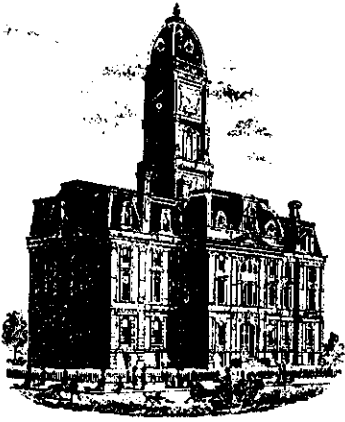


Drain: WATERWOOD DRAIN Drain #: 258  
Improvement/Arm: WATERWOOD-SECTION 3  
Operator: JDN Date: 6-16-04  
Drain Classification: Urban/Rural Year Installed: 1994

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JDN
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JDN
- Digitize & Attribute SSD JDN
- Digitize & Attribute Open Ditch N/A
- Stamp Plans JDN
- Sum drain lengths & Validate JDN
- Enter Improvements into Posse JDN
- Enter Drain Age into Posse JDN
- Sum drain length for Watershed in Posse JDN
- Check Database entries for errors JDN





SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

*Suite 146*

*776-8495*

*One Hamilton County Square*

*Noblesville, Indiana 46060-2230*

February 24, 1995

TO: Hamilton County Drainage Board

RE: Waterwood Drain-Section 3

Attached is a petition, non-enforcement request, plans, calculation, quantity summary and assessment roll for the Waterwood Section 3. 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:

6" SSD 1412 feet 12" RCP 46 feet

The total length of the drain will be 1,458 feet.

The wetlands area located in the Common Area C is not to be considered part of the regulated drain. Only the drainage facilities running through the area will be maintained as part of regulated drain. The maintenance of the Wetlands Area will be the responsibility of the Homeowners Association.

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: North R/W 11th Street, Rear of Lots 108-110; Rear of Lots 12 and 13; and along West line of Common Area C.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed by the construction of this drain. I recommend a maintenance assessment of \$20.00 per lot, \$5.00 per acre for roadways, with a \$20.00 minimum. With this assessment the total annual assessment for this drain/ this section will be \$ 200<sup>00</sup>

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 designed as an Urban Drain.

Parcels assessed for this drain may be assessed for the Osborn-Collins or Williams Creek Drain at sometime in the future. Parcels assessed for this drain will also be assessed for the Vernon W. Asher 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 Waterwood Drain-Section 3 as recorded in the office of the Hamilton County Recorder.

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

  
\_\_\_\_\_  
Kenton C. Ward  
Hamilton County Surveyor  
KCW/no

*Engineering*  
*Surveying*  
*Landscape Architecture*  
*Digital Mapping*

**HAMILTON COUNTY DRAINAGE BOARD**  
**CERTIFICATE OF COMPLETION AND COMPLIANCE**

Address of premises on which land  
alteration was accomplished: 500 East 111th Street

Project Name: Waterwood of Carmel, Section 3

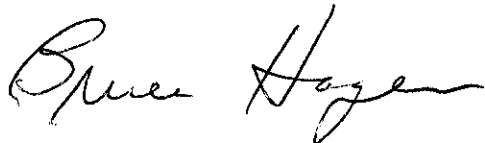
Relative to plans prepared by MSE Corporation on July 3, 1993.

I hereby certify that:

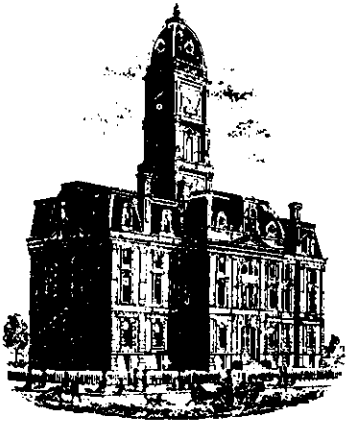
1. I am familiar with drainage requirements applicable to such land alteration ( as set forth by the Hamilton County Drainage Board).
2. Land alteration accomplished pursuant to the referenced drainage permit was observed by personnel under my direction, and
3. To the best of my knowledge, information and belief, such land alteration has been performed and completed in conformity with all such drainage requirements.

Certified this 2nd day of February, 1995.

MSE CORPORATION



Bruce E. Hagen  
Professional Engineer #920299 - Indiana



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

January 9, 1997

**Re: Waterwood Drain-Sec. 3**

Attached are as-builts, certificate of completion & compliance, and other information for Waterwood Sec. 3. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction of the drain there were not any significant changes made to the drain. Subsequently, there were not any significant changes made to the plans submitted with my report dated February 24, 1995. Therefore, the length of the drain remains at **1,458 feet**.

The non-enforcement was approved by the Board at its meeting on April 24, 1995 and recorded under instrument # 9560302.

The bond or letter of credit from Safeco Ins. Co., number 5822618, dated December 22, 1994, in the amount of \$7,500.00, has expired.

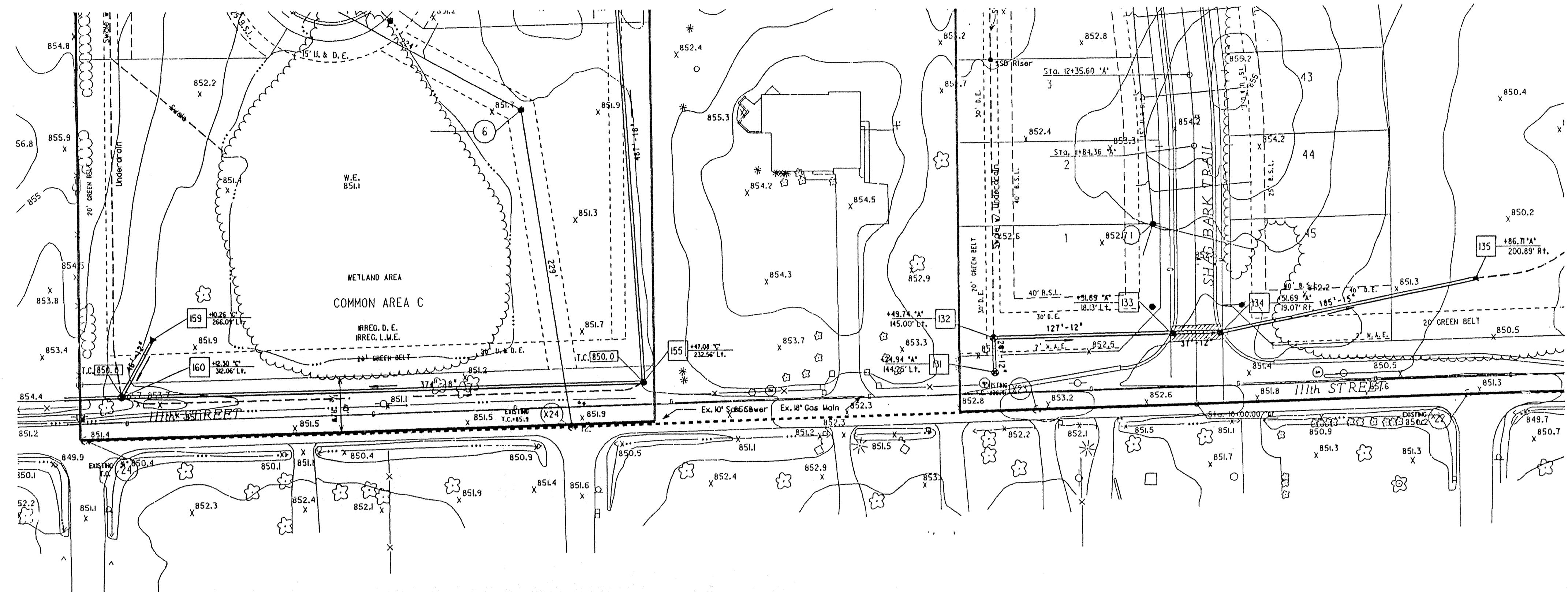
I recommend the Board approve the drains construction as complete and acceptable.

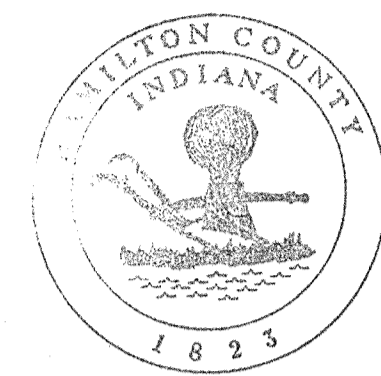
Sincerely,

Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm

DATE	
BY	
APPROVED	
NOTE BOOK	
PLANNING	
REVISIONS	




 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.  
 Entry Date: 6-16-04  
 Entered by: JDH

**NOTES:**  
 LENGTHS OF PIPES INDICATED ARE FROM CENTER TO CENTER OF STRUCTURES AND ARE NOT ACTUAL PIPE LENGTHS.  
 CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME FRAME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.

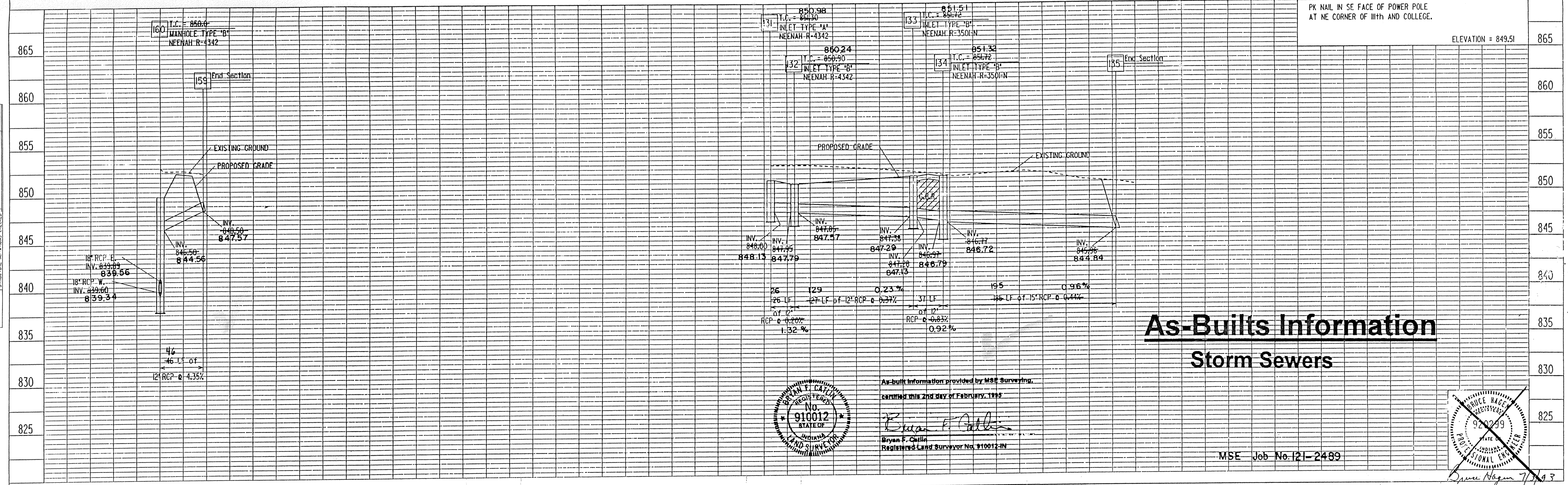


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 PLAN: 1" = 50'  
 PROFILE: 1" = 5'  
 VERTICAL: 1" = 5'  
 HORIZONTAL: 1" = 50'

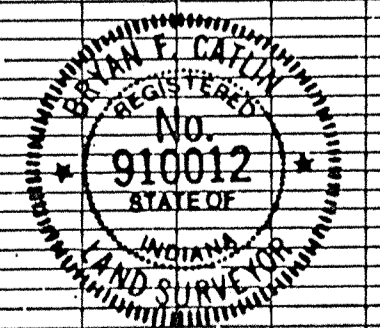
**BENCH MARK DESCRIPTION**

PK NAIL IN SE FACE OF POWER POLE AT NE CORNER OF 11th and COLLEGE. ELEVATION = 849.51

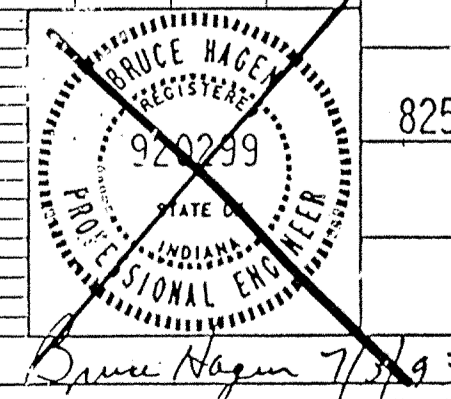
DATE	
BY	
APPROVED	
NOTE BOOK	
PLANNING	
REVISIONS	



**As-Builts Information**  
**Storm Sewers**



As-built information provided by MSE Surveying,  
 certified this 2nd day of February, 1999.  
 Bryan F. Catlin  
 Registered Land Surveyor No. 910012-IN



MSE Job No. 121-2499

**MSE Engineering**

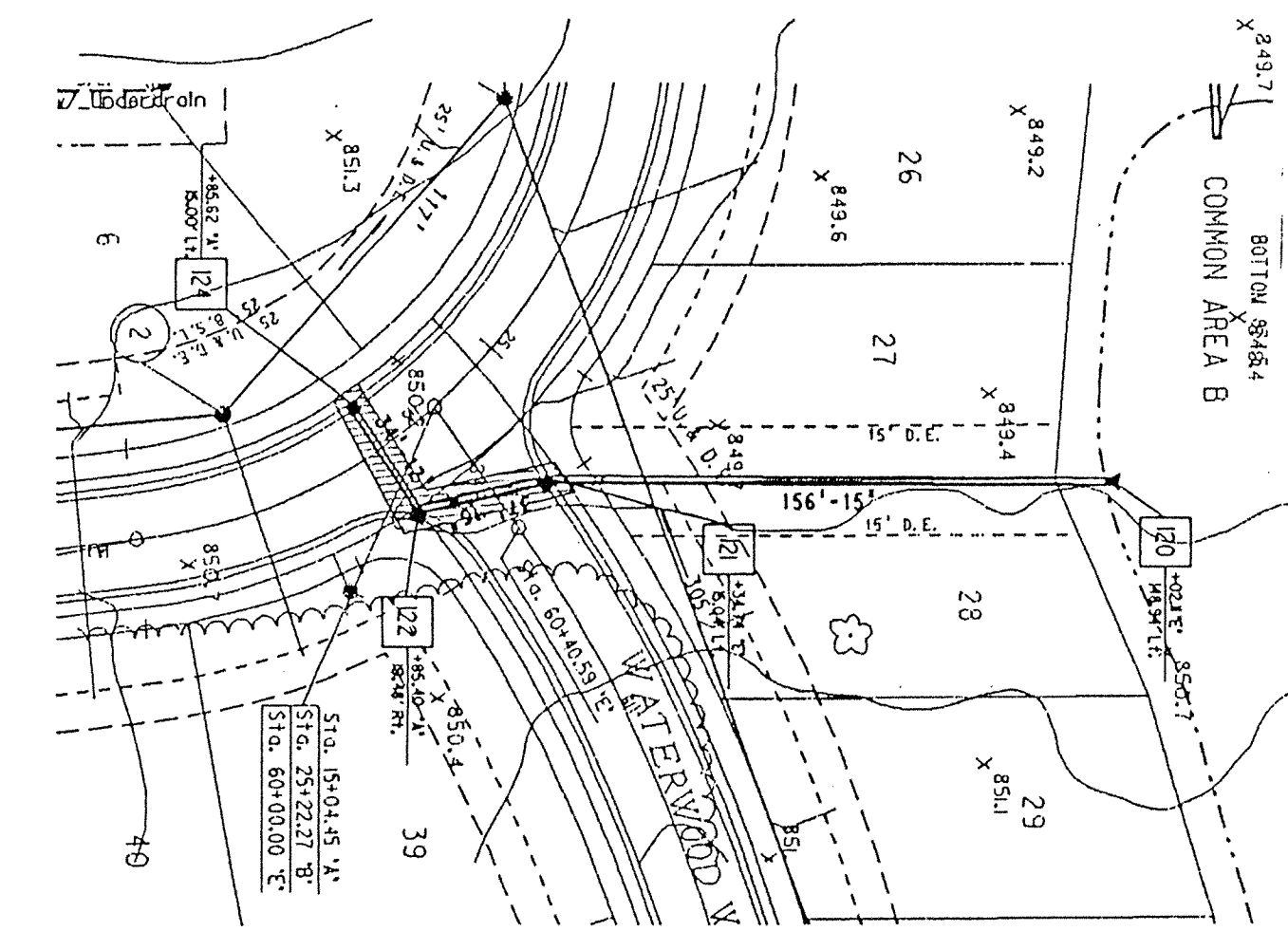
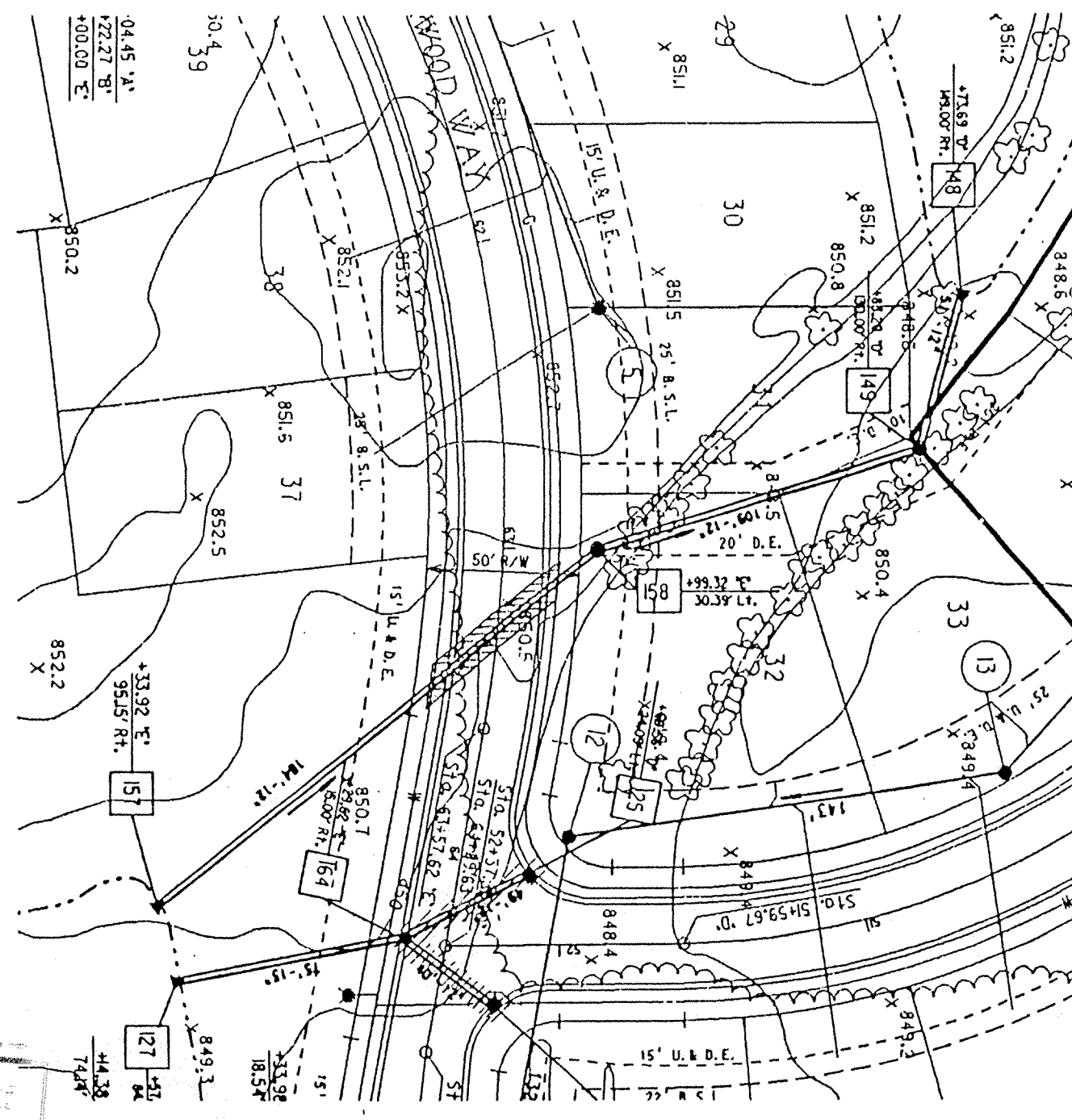
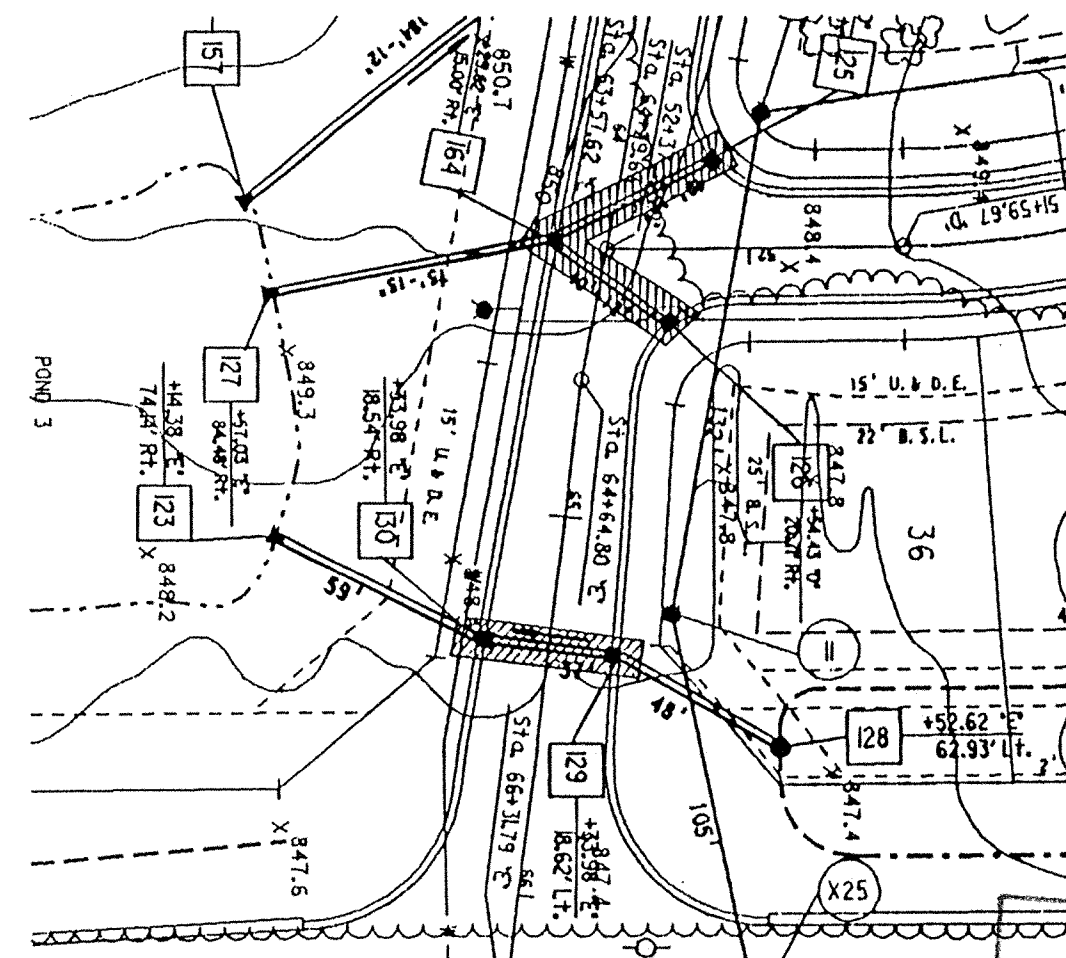
7/30/93 RELOCATED & REVISED RUN 132-135  
8/18/93 REVISED RUN 132-135, REV. T.C. STR 160

**WATER WOOD OF CARMEL**

PROJECT NO.	LIN.	SHEET NO.	TOTAL SHEETS	DATE	APP.	PRP.
11-0590	14	30	0590STM	0590STM		

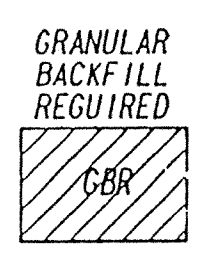
FILED  
 JUN 16 1999  
 OFFICE OF HAMILTON COUNTY SURVEYOR  
 STORM PLAN & PROFILES

PLAN	SUBMITTED	DATE
	PLOTTED	BY
	ALIGNED	BY
	NOTED	BY
	REVISIONS	BY



HAMILTON COUNTY INDIANA  
 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.  
 Entry Date: 6-16-04  
 Entered by: J0H

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 CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME FRAME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.

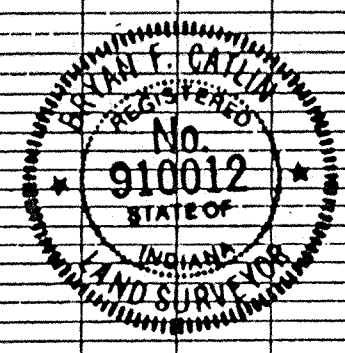
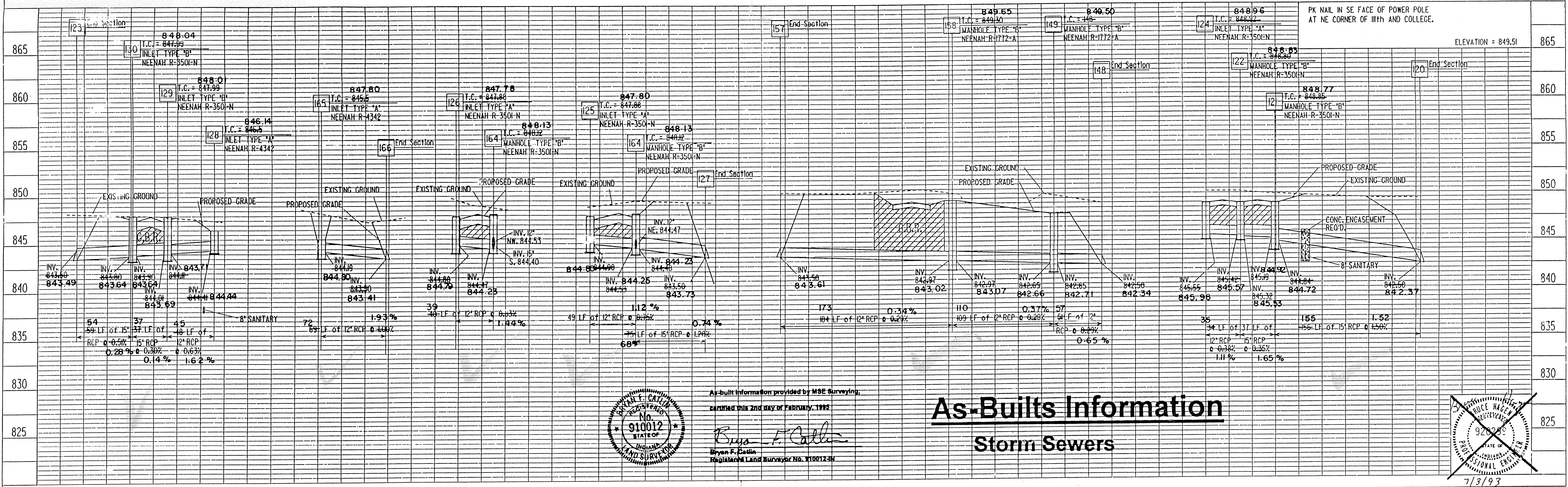


SCALE:  
 PLAN: 1" = 50'  
 PROFILE: 1" = 5'  
 HORIZONTAL: 1" = 50'

BENCH MARK DESCRIPTION

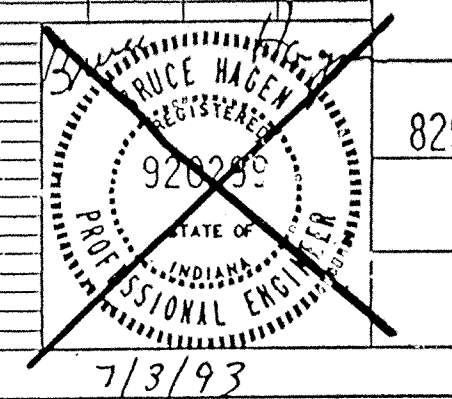
PK NAIL IN SE FACE OF POWER POLE AT NE CORNER OF 11TH AND COLLEGE.  
 ELEVATION = 849.51

PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	ALIGNED	BY
	NOTED	BY
	REVISIONS	BY



As-Built Information provided by MSE Surveying, certified this 2nd day of February, 1995.  
 Bryan F. Callin  
 Registered Land Surveyor No. 910012-IN

As-Built Information  
 Storm Sewers



FILED  
 JUN 15 1995  
 OFFICE OF HAMILTON COUNTY SURVEYOR

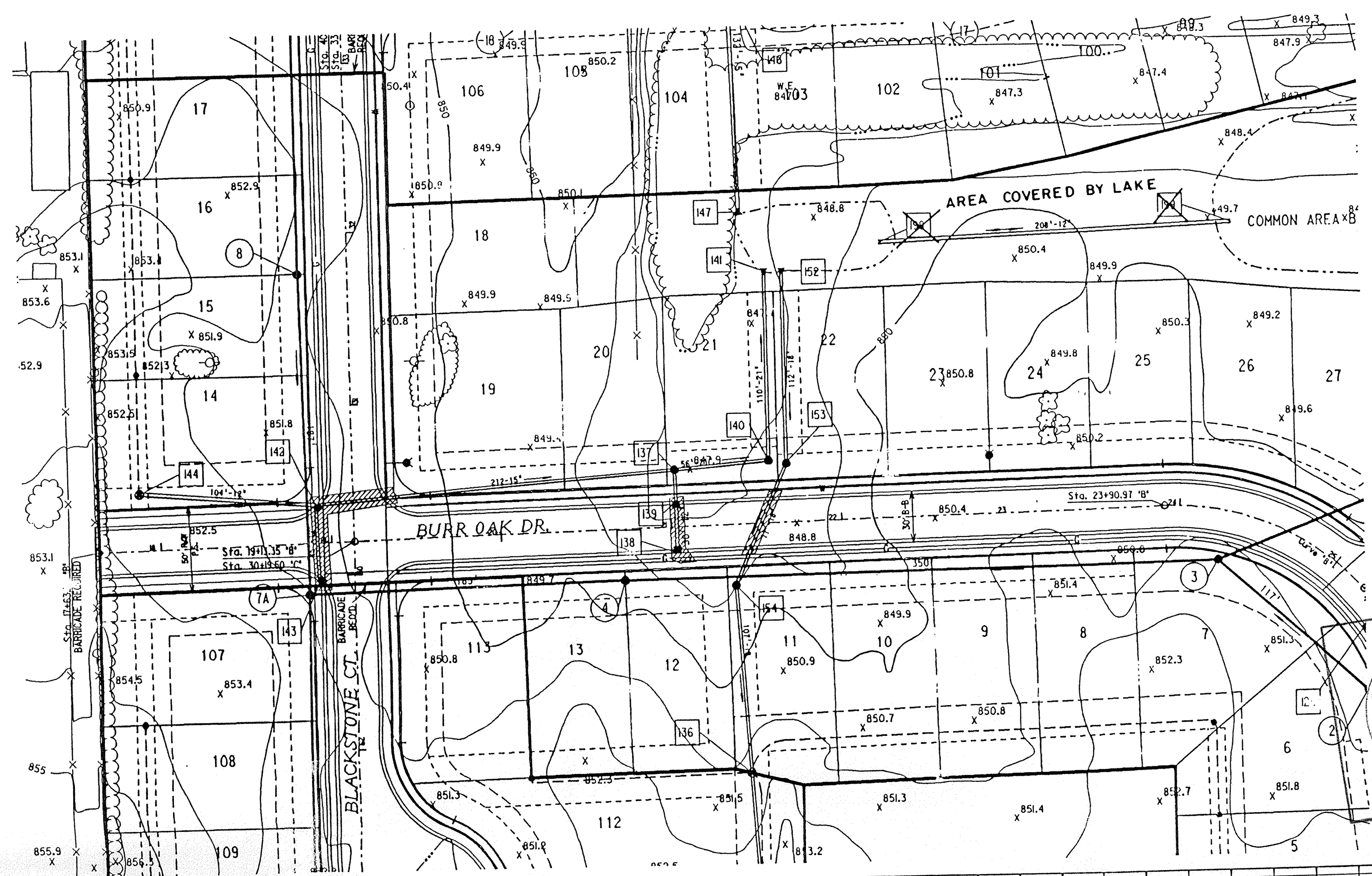
STORM PLAN & PROFILES

This copy printed from the Digital Archive of the Hamilton County Surveyor's Office, One Hamilton Co. Square, Ste. 188, Noblesville, In 46060



DATE	
BY	
NO.	
DATE	
BY	
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DATE	
BY	
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BY	
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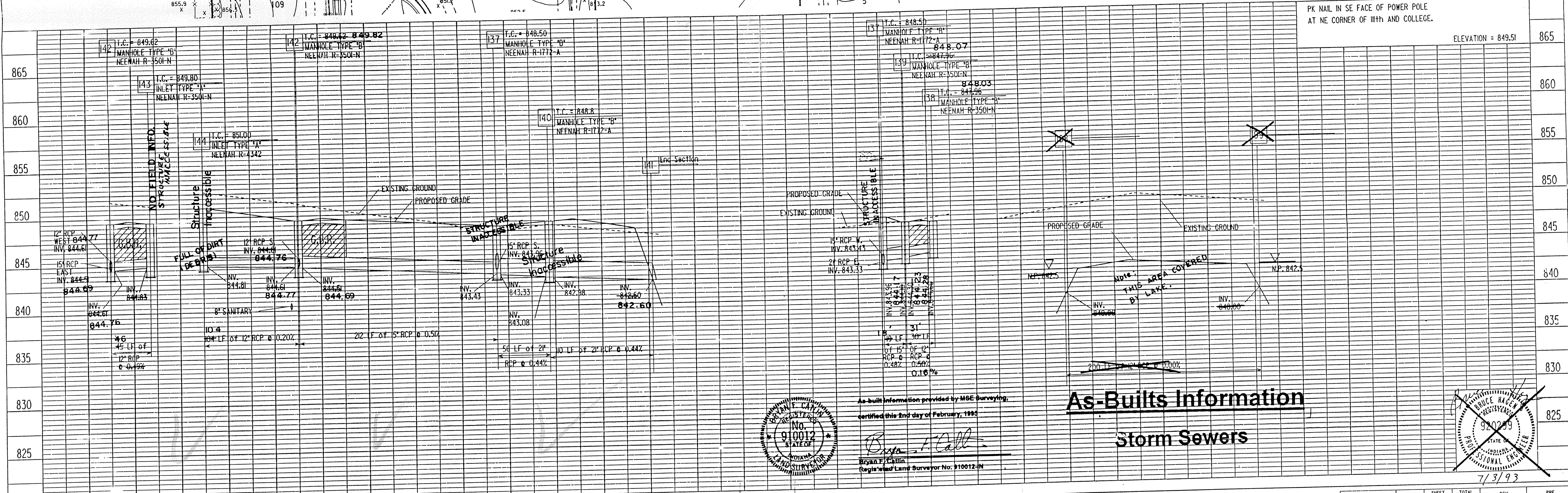
Entry Date: 6/16/04  
Entered by: JOH

NOTES:  
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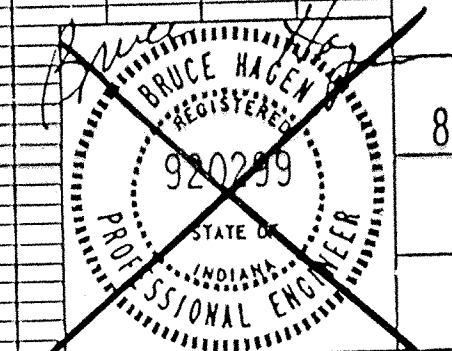
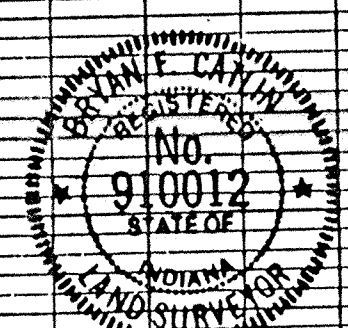
**BENCH MARK DESCRIPTION**

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ELEVATION = 849.51



**As-Built Information Storm Sewers**

As-built information provided by MBE Surveying, certified this 2nd day of February, 1993.  
Bryan F. Callin  
Registered Land Surveyor No. 910012-N



PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DDN	PDF
II-0590		16	30	0590T16J	0590T16J

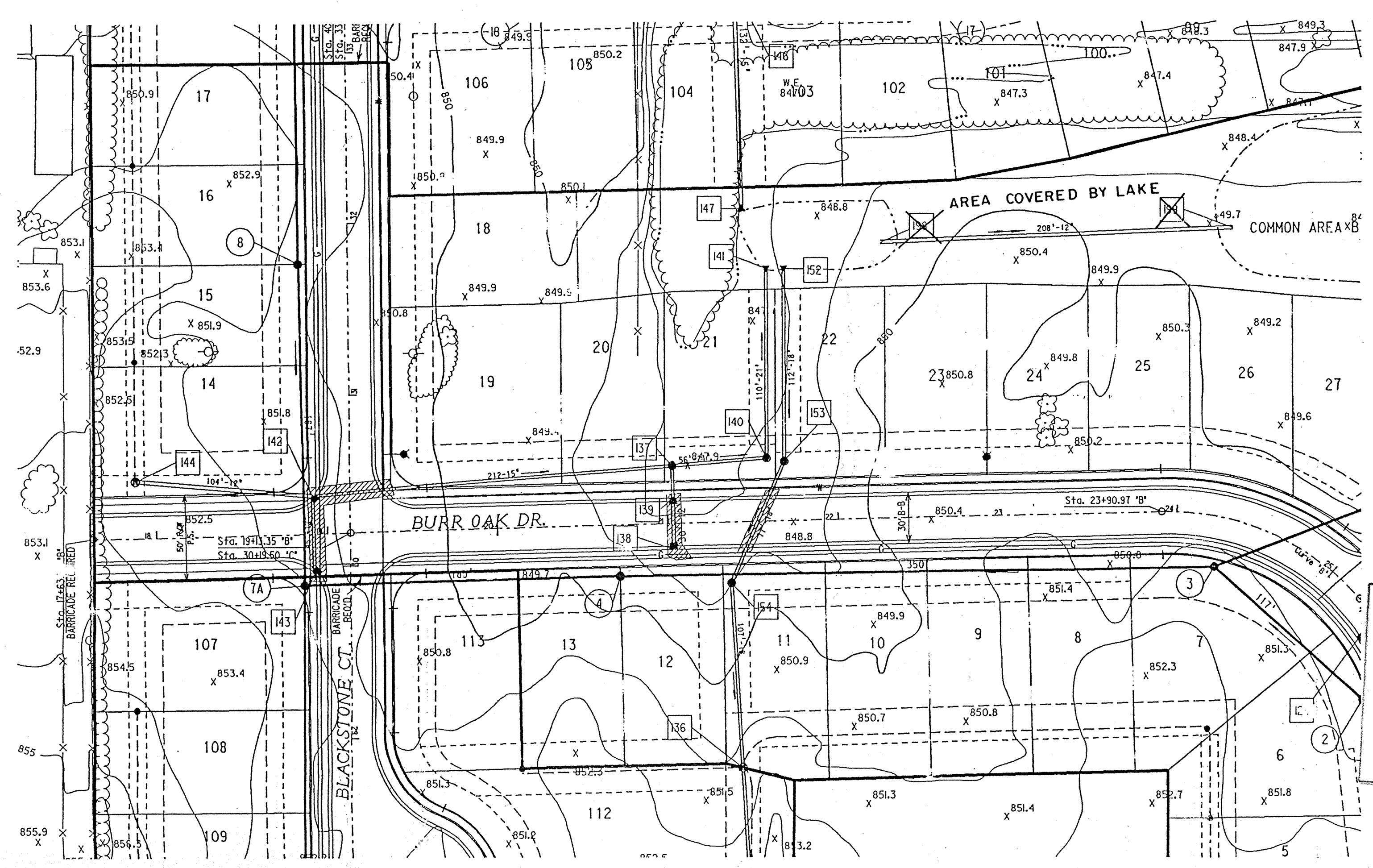
MSE Engineering  
MSE Job No. 121-2489

WATER WOOD OF CARMEL

FILED  
JUN 16 1993  
OFFICE OF HAMILTON COUNTY SURVEYOR  
STORM PLAN & PROFILES

PLAN  
 SURVEYED  
 PLOTTED  
 NOTE BOOK NO. \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

PROFILE  
 SURVEYED  
 PLOTTED  
 NOTE BOOK NO. \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

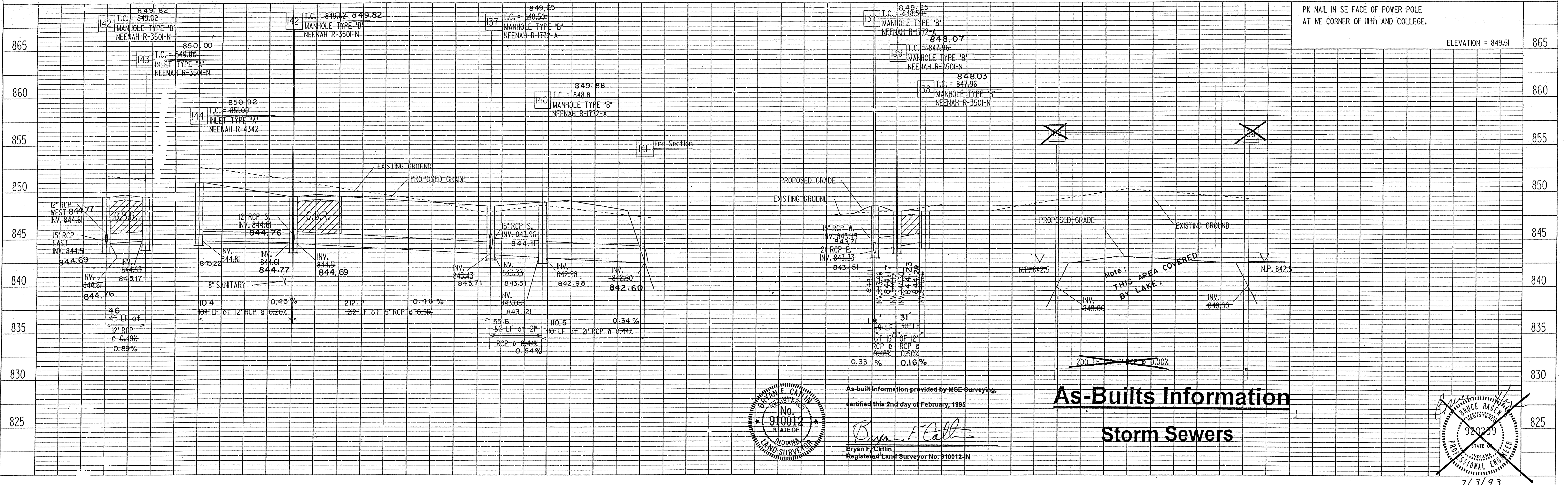


HAMILTON COUNTY INDIANA  
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 Entry Date: 6/16/04  
 Entered by: JPH

NOTES:  
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 GRANULAR BACKFILL REQUIRED  
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 VERTICAL: 1" = 5'  
 HORIZONTAL: 1" = 50'

BENCH MARK DESCRIPTION

PK NAIL IN SE FACE OF POWER POLE AT NE CORNER OF 11TH AND COLLEGE.  
 ELEVATION = 849.51



MSE Engineering

MSE Job No. 121-2489

9-23-93 Add profile Str 198 - 199  
 9-28-93 Rev profile Str 198 - 199  
 9-28-93 Rev profile Str 142 - 141  
 9-28-93 Rev profile Str 138 - 137

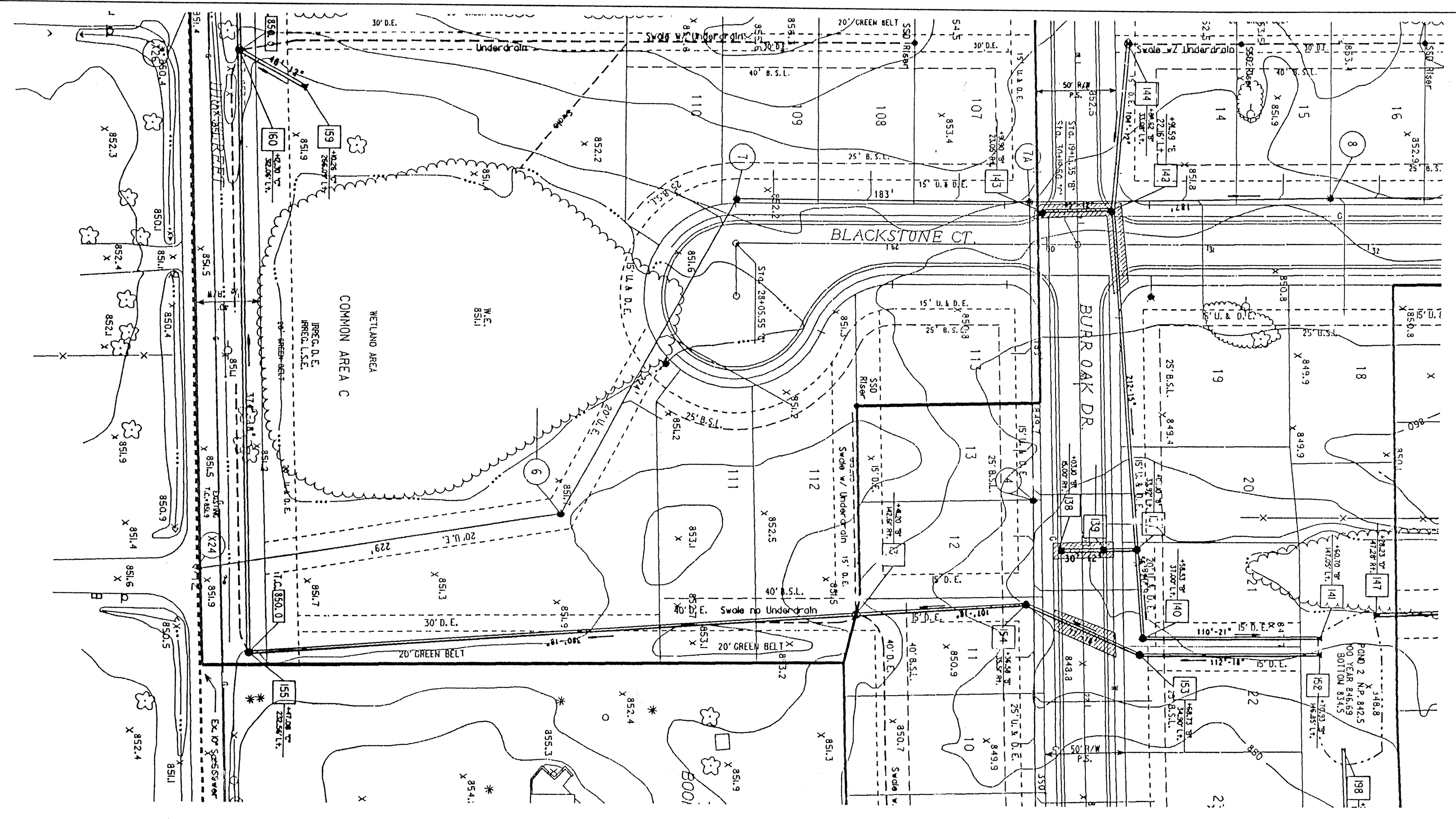
WATER WOOD OF CARMEL

PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	DGN NO.	PRF NO.
11-0590		30	0590/1143	0590/1143	0590/1143

DEC 04 1996  
 OFFICE OF HAMILTON COUNTY SURVEYOR  
 STORM PLAN & PROFILES

PLAN	DATE
REVISIONS	BY
NOTED	
ALIGNED	
CHECKED	
BY	
NO.	

PROFILE	DATE
NOTED	
ALIGNED	
CHECKED	
BY	
NO.	

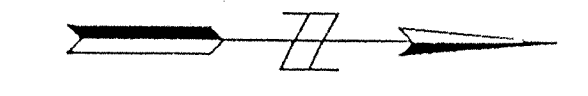


**HAMILTON COUNTY INDIANA**  
1825

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Entry Date: 6/16/04

Entered by: JOH



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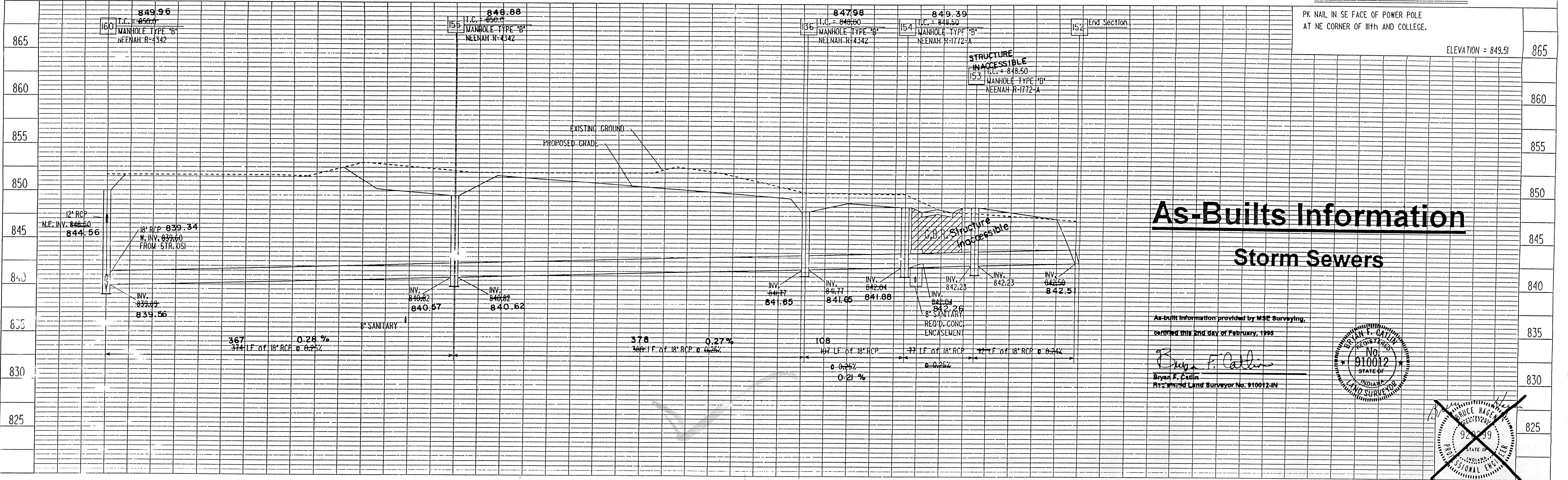


SCALE:  
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PROFILE: 1" = 5'  
VERTICAL: 1" = 5'  
HORIZONTAL: 1" = 50'

**BENCH MARK DESCRIPTION**

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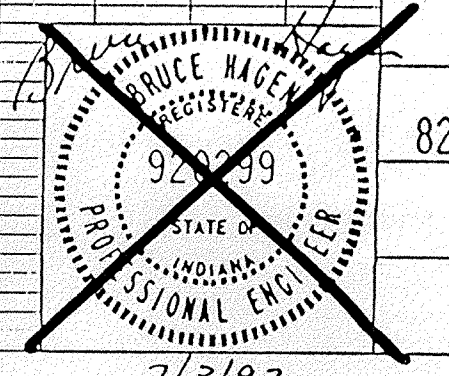
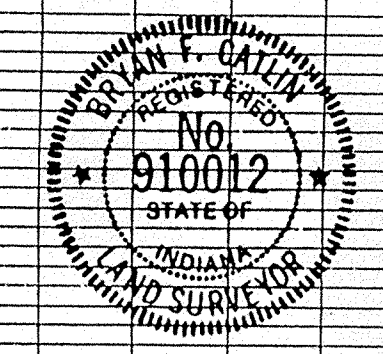
ELEVATION = 849.51



**As-Builts Information**  
**Storm Sewers**

As-built information provided by MSE Surveying, certified this 2nd day of February, 1995

*Bryan F. Catlin*  
Bryan F. Catlin  
Professional Land Surveyor No. 910012-IN



7/3/99

**MSE Engineering**

8/18/93 REV T.C. STR 155 & STR 160  
9/23/93 ADD STR 136 & REVISE POND OUTFALL LOCATION  
9/28/93 REV POND 2; RELOCATE STR 174, 152, 151, 140, 117, 141

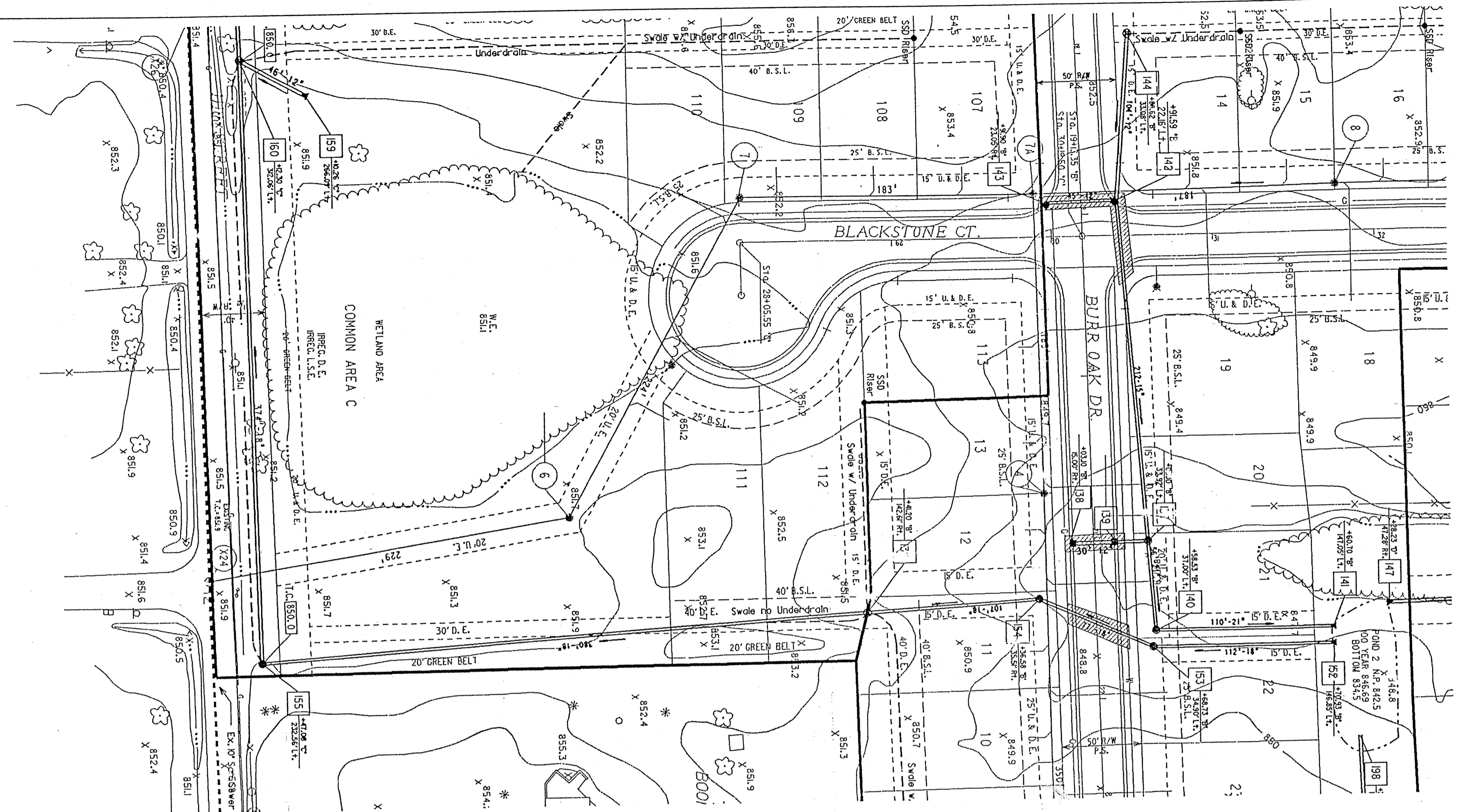
**WATERWOOD OF CARMEL**  
MSE Job No. 121-2489

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DCN	PRF
11-0590	19	30	0590STW6	0590STW6	0590STW6

JUN 16 1995  
OFFICE OF HAMILTON COUNTY SURVEYING

STORM PLAN & PROFILES

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN  
 CHECKED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_

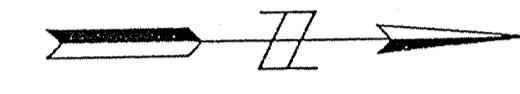


**HAMILTON COUNTY INDIANA**

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Entry Date: 6-16-04

Entered by: JOB



NOTES:

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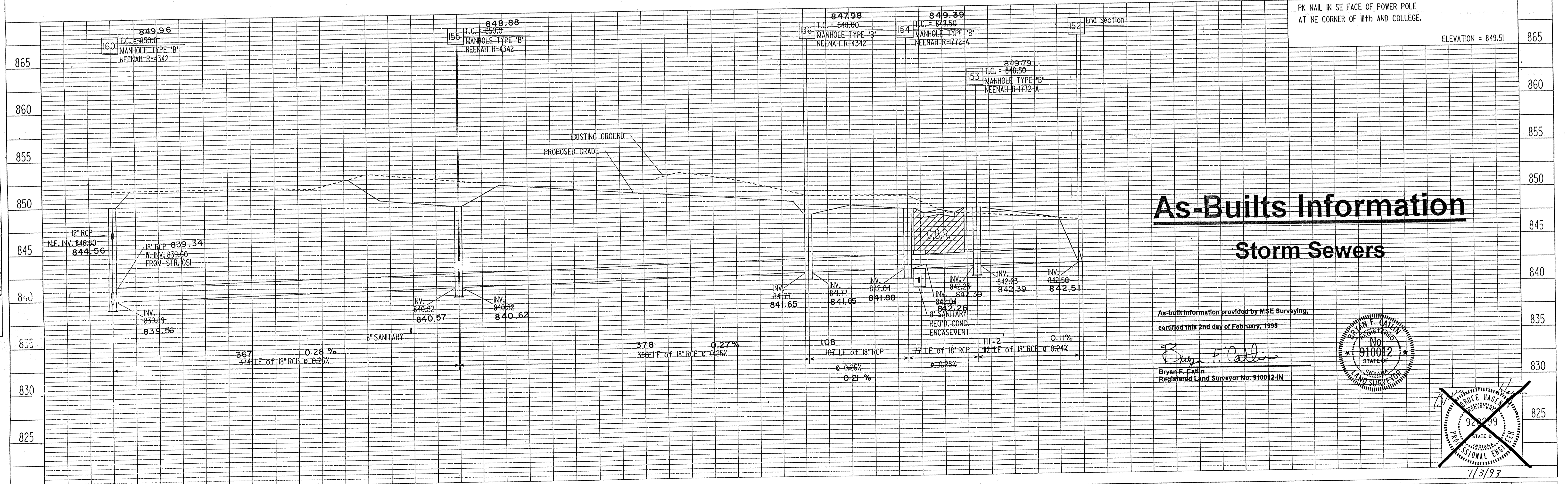
GRANULAR BACKFILL REQUIRED

SCALE:  
 PLAN: 1" = 50'  
 PROFILE: 1" = 5'  
 HORIZONTAL: 1" = 50'

**BENCH MARK DESCRIPTION**

PK NAIL IN SE FACE OF POWER POLE AT NE CORNER OF 11th AND COLLEGE. ELEVATION = 849.51

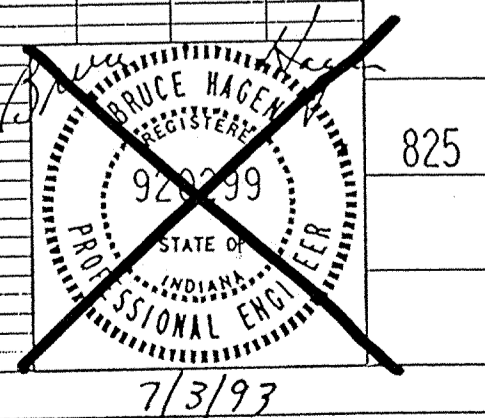
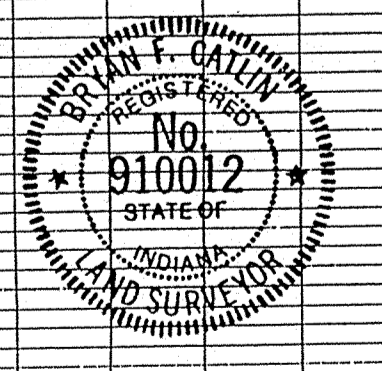
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 PROFILE  
 CHECKED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_



**As-Builts Information**  
**Storm Sewers**

As-built Information provided by MSE Surveying, certified this 2nd day of February, 1995.

*Bryan F. Catlin*  
 Bryan F. Catlin  
 Registered Land Surveyor No. 910012-IN



**MSE Engineering**

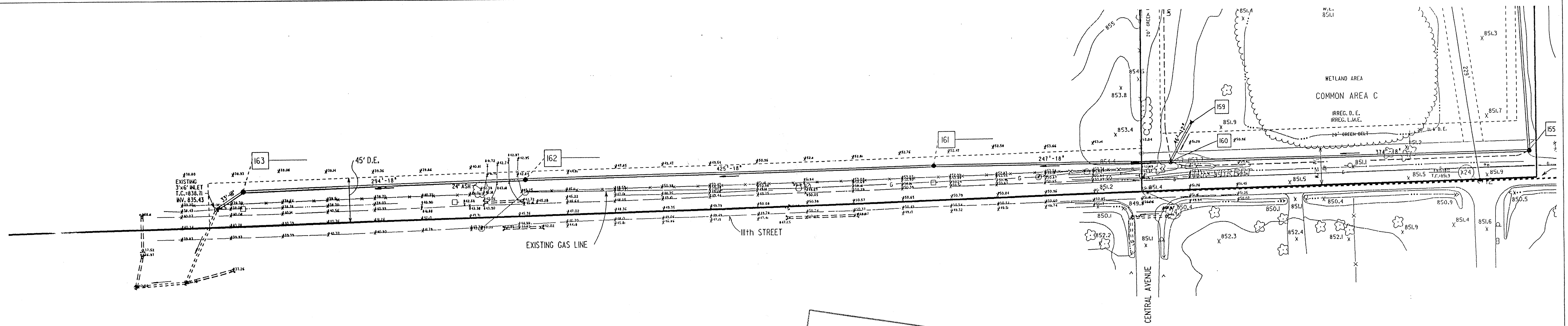
8/18/93 REV T.C. STR 155 & STR 160  
 9/23/93 ADD STR 136 & REVISE POND OUTFALL LOCATION  
 9/28/93 REV POND 2; RELOCATE STR 174, 152, 153, 140, 137, 141

**WATERWOOD OF CARMEL**  
 MSE Job No. 121-2489

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DATE	PREP
11-0590	19	30	059051MS	059051MS	

FILED

PLAN  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



HAMILTON COUNTY INDIANA  
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 Entry Date: 6-16-04  
 Entered by: JDI

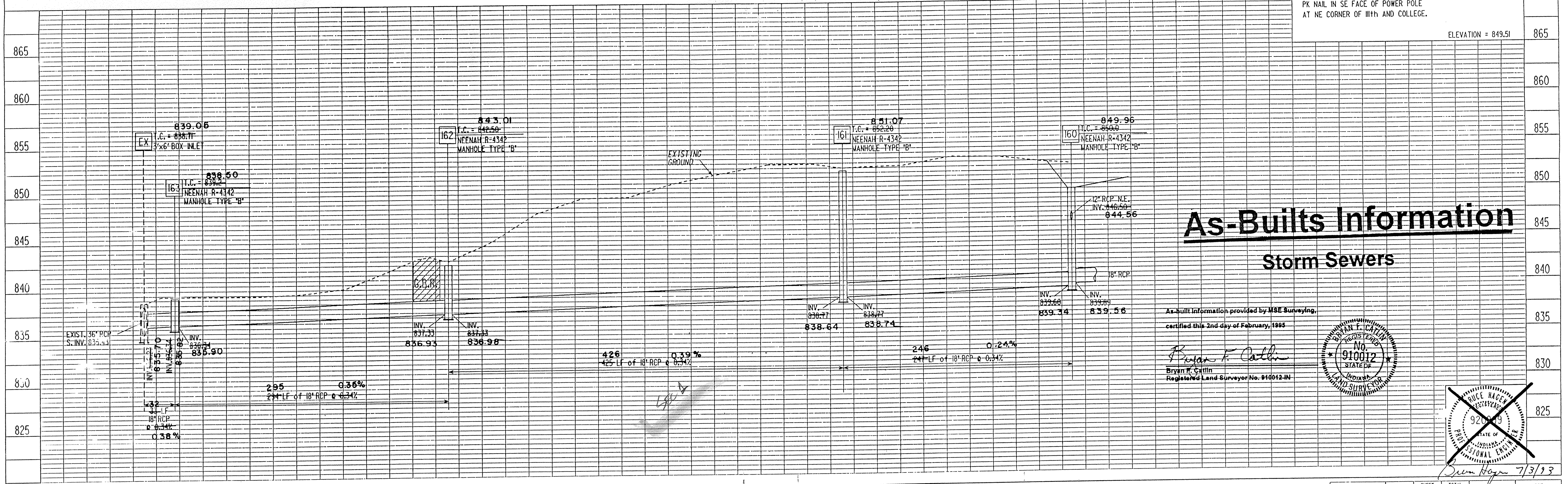
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 GRANULAR BACKFILL REQUIRED  
 CBR

SCALE:  
 PLAN: 1" = 50'  
 PROFILE: 1" = 5'  
 HORIZONTAL: 1" = 50'

BENCH MARK DESCRIPTION

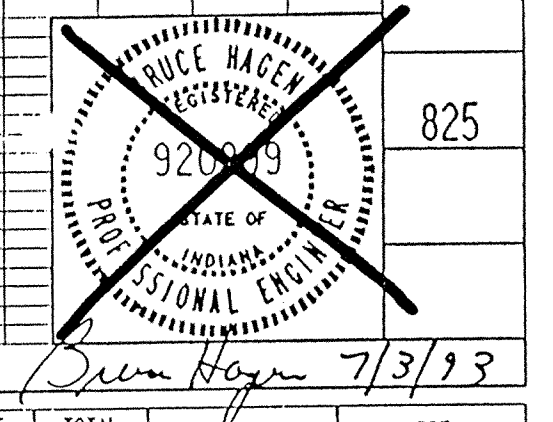
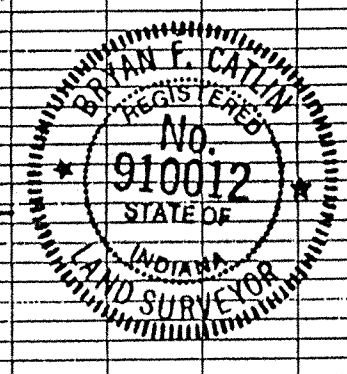
PK NAIL IN SE FACE OF POWER POLE AT NE CORNER OF 11th AND COLLEGE.  
 ELEVATION = 849.51

PROFILE  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



As-Built Information  
 Storm Sewers

As-built information provided by MSE Surveying, certified this 2nd day of February, 1998.  
 Bryan F. Catlin  
 Registered Land Surveyor No. 910012-IN



MSE Engineering

8/18/93 REV T.C. STR 160

WATER WOOD OF CARMEL  
 MSE Job No. 121-2489

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	LOGN	PRF
11-0590		20	30	0590STWD	0590STWD