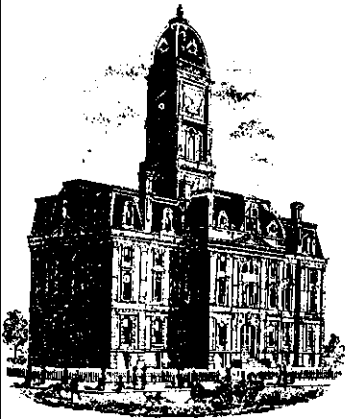


Drain: CROOKED CREEK DRAIN **Drain #:** 250
Improvement/Arm: SPRING ARBOR - SECTION 2
Operator: JDH **Date:** 11-26-03
Drain Classification: Urban/Rural **Year Installed:** 1994

GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH 11-26
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JDH 11-26
- Digitize & Attribute SSD JDH 11-26
- Digitize & Attribute Open Ditch JDH 12-12
- Stamp Plans JDH 11-26
- Sum drain lengths & Validate JDH 11-26
- Enter Improvements into Posse JDH 11-26
- Enter Drain Age into Posse JDH
- Sum drain length for Watershed in Posse JDH
- Check Database entries for errors JDH 11-26



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2230

September 1, 1993

To: Hamilton County Drainage Board

Re: Crooked Creek Drain
Spring Arbor Section 2 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Spring Arbor Section 2 Arm to Crooked Creek Drain. 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	3000'	Twin 68"x43" EP	60'
12" RCP	192'	Open Ditch	800'
15" RCP	218'		

The total length of the drain will be 4270 feet.

The retention area located in the preserve at the rear of lots 22-30 and between lots 41 and 42 is not to be considered part of the regulated drain. Only the inlet, outlet and open ditch will be maintained as part of the regulated drain. The maintenance of the preserve will be the responsibility of the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the preserve was designed will be retained. Thereby, allowing no fill or easement encroachments.

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 or 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 in this section are those under curbs.

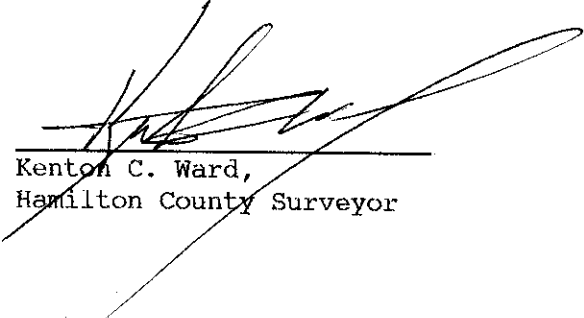
The open ditch shown above is that portion of Crooked Creek running through this section and that portion of the existing Crooked Creek running between Section 1 of Ashbrooke and Section 2 of Spring Arbor. This section crosses tract 13-07-00-00-040, 18.18 acres, owned by Oscar T. Jr. & Barbara J. Harris (9/10) & J. Chisler (1/10).

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 \$30.00 per lot, \$5.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for the drain this section will be \$870.00.

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 Spring Arbor Section 2 as recorder in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 1993.



Kenton C. Ward,
Hamilton County Surveyor

KCW/jh

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 reproducible 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.

Paul Rioux
SIGNED

PAUL RIOUX
PRINTED NAME

SIGNED

PRINTED NAME

RECORDED OWNER (S) OF LAND INVOLVED
Shelbourne Partners, L.P.

DATE December 1, 19 92

CHAMPL. WRI

ENGINEER'S ESTIMATE

PROJECT NO.
DESCRIPTION

114-0606
SPRING ARBOR SECTION II

9 OCT, 1992

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE DOLS. CENTS	AMOUNT DOLS. CENTS
1.	STORM SEWER	3	EA	2200.00	66,600.00
	MANHOLE TYPE "B"	2	EA	1600.00	32,200.00
	INLET TYPE "A"	2	EA	550.00	11,100.00
	END SECTION	192	LFT	25.16	48,830.00
	12" RCP	218	LFT	30.60	66,670.00
	15" RCP	2	EA	5000.00	10,000.00
	60" x 43" ELLIPTICAL PIPE				
2.	STREETS AND DRIVES	1376	LF	22.83	314,408.00
3.	SIDEWALKS	2752	LF	1.05	2,880.00
4.	CONCRETE CURBS	2752	LF	5.10	14,038.01
5.	SIGNS	4	EA	100.00	400.00
6.	SIGNS, MONUMENTS, AND MARKERS	1	LS	300.00	300.00
				TOTAL	880,726.00

STANDBY LETTER OF CREDIT AMENDMENT

Letter of Credit No.: 44224

Date: August 18, 1994

Issue Date: August 17, 1993

Amendment No.: 1

BENEFICIARY

FOR ACCOUNT OF

HAMILTON COUNTY
DRAINAGE BOARD
1 Hamilton County Square
Suite 188
Noblesville, IN 46060
Attn: Virginia Hughes

SHELBOURNE PARTNERS, L.P.
by Estridge Development Co., G.P.
1041 West Main Street
Carmel, IN 46032

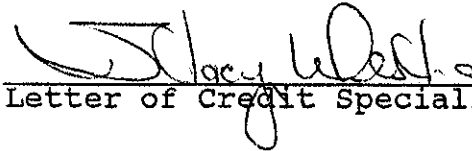
AMOUNT: USD32,700.00 (Thirty Two Thousand Seven Hundred U.S. Dollars).

In accordance with instructions received, the above mentioned Letter of Credit has been amended as follows:

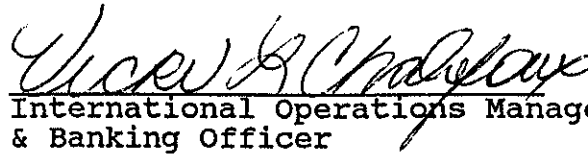
- 1. Extend expiration date to August 20, 1995.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

National City Bank, Indiana



Letter of Credit Specialist I



International Operations Manager
& Banking Officer

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON



DATE 8-22-94



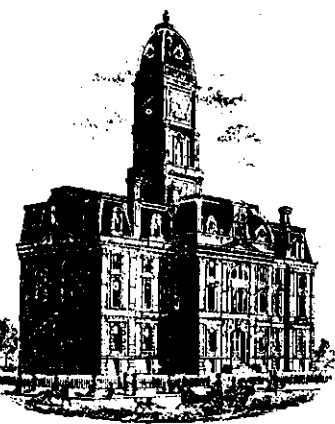


DATE 8-22-94



HAMILTON COUNTY AUDITOR

44244
STORM SEWERS,
SIGNS, MONUMENTS
& MARKERS
SPRING ARBOR
SECTION 2



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

July 24, 1996

To: Hamilton County Drainage Board

Re: Crooked Creek Drain
Spring Arbor Section 2

Attached are as-builts, certificate of completion & compliance, and other information for Spring Arbor 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 September 1, 1993. The changes are as follows:

- STR 33-34 15" RCP lengthened from 192' to 194' feet.
- STR 35-36 12" RCP shortened from 151' feet to 148' feet.

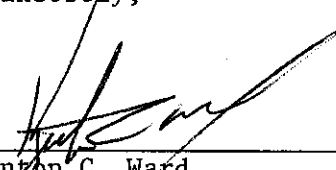
The length of the drain due to the changes described above is now 4269 feet.

The non-enforcement was approved by the Board at its meeting on November 22, 1993.

The bond or letter of credit from National City Bank, number 44224, dated August 18, 1994, in the amount of \$32, 700.00 has been released.

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

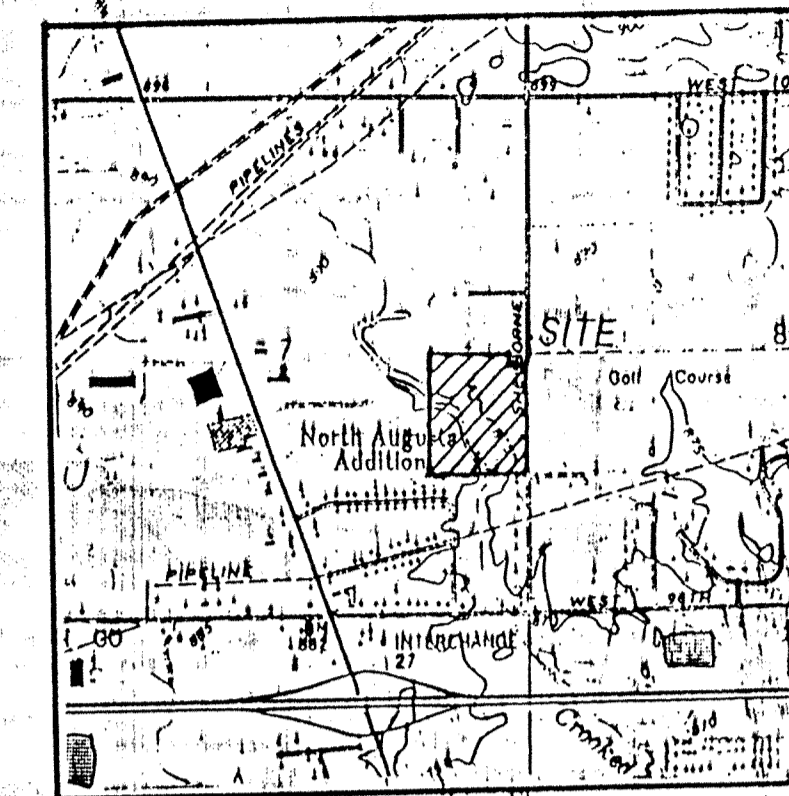
Sincerely,



Kenton C. Ward
Hamilton County Surveyor

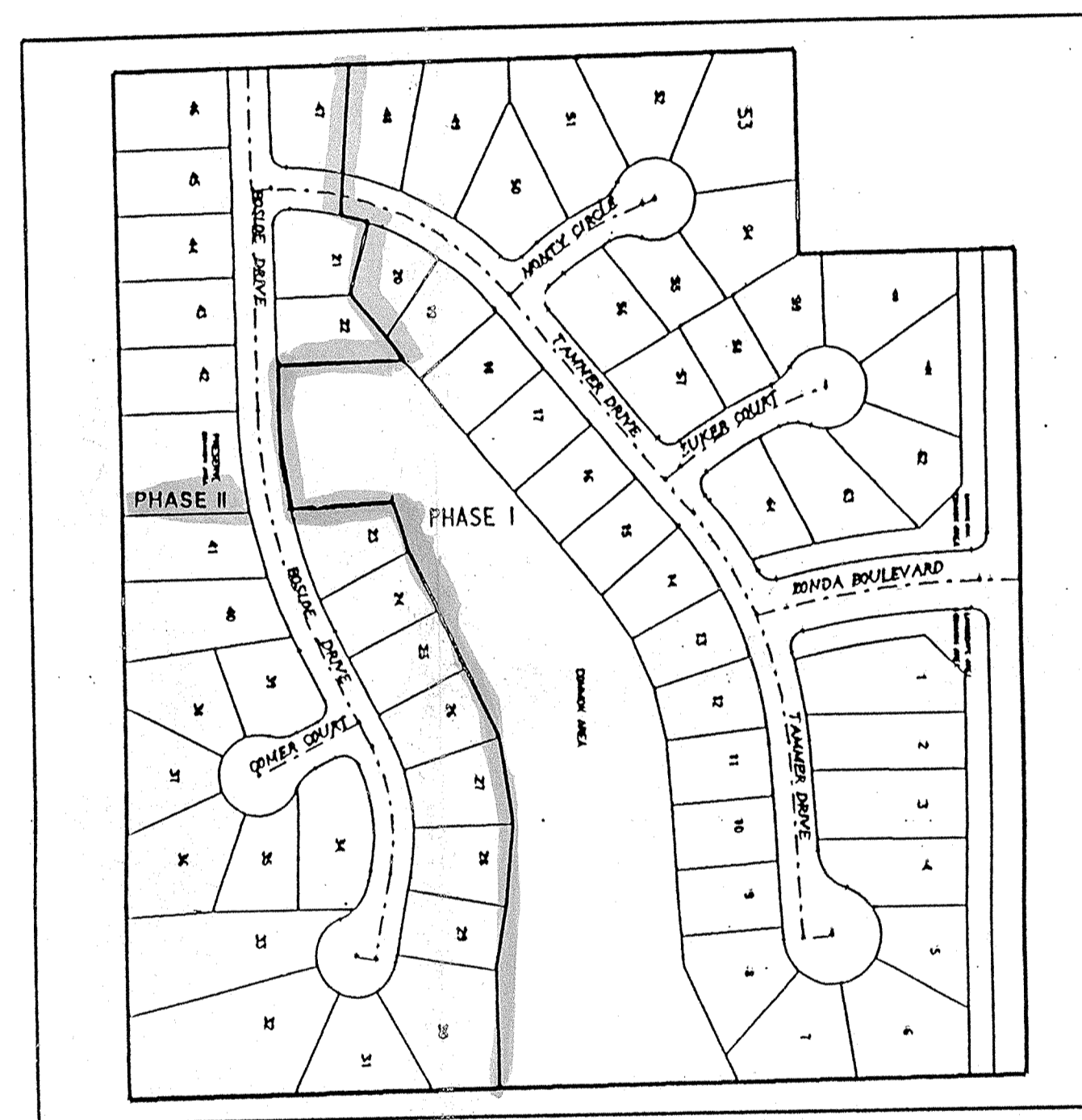
KCW/ndw

CONSTRUCTION PLANS FOR SPRING ARBOR AS-BUILTS



VICINITY MAP

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-N/A	SPECIFICATION SHEET
3	SITE UTILITY PLAN
4-N/A	GRADING PLAN
5-T/N/A	STREET PLAN & PROFILES
8-10	SANITARY PLAN & PROFILES
11-13	STORM PLAN & PROFILES
14-N/A	ENTRANCE DETAIL
15-N/A	CUL-DE-SAC DETAILS
16-N/A	INTERSECTION DETAILS
17-N/A	EROSION CONTROL PLAN
18-19-N/A	CONSTRUCTION DETAILS



SHEET NO.	REVISIONS	INITIAL RELEASE	9-8-92
2, 8-10, & 19	Revised per C.T.R.W.D.	9-15-92	
13	REV. INVERTS & SLOPES FOR STR # 25-29	10/5/92	
4, 17	REVISED PER SOIL AND WATER CONSERVATION	10/8/92	
9, 19	REVISED PER C.T.R.W.D.	10/12/92	
2	REVISED PER C.T.R.W.D.	10/15/92	
17	REV. PER HAM. CO. DRAINAGE	10/15/92	
12 & 17	REV. PER HAM. CO. SOIL & WATER CONS.	10/16/92	
3, 4, & 13	REV. PER HAMILTON COUNTY DRAINAGE	10/27/92	
3 & 17	REV PER CARMEL D.O.C.D.	10/28/92	
3, 4, & 16	REV. BOSLOE DRIVE CUL-DE-SAC	11/18/92	

NOTES:

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

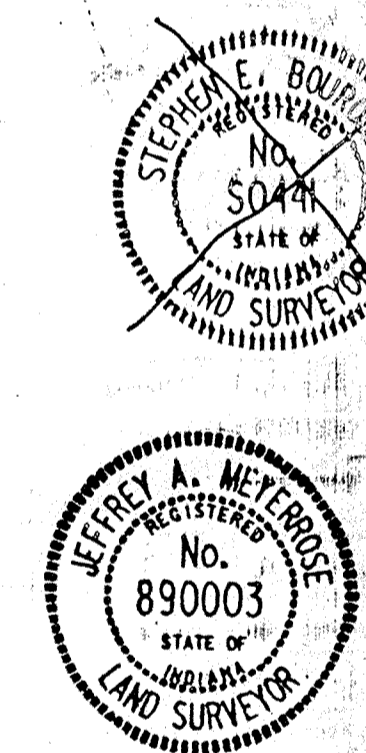
ANY ALTERATIONS TO THESE PLANS NOT AUTHORIZED BY MSE ENGINEERING AND NOT IN ACCORDANCE WITH THE PLANS AND RECORDS ON FILE AT MSE ENGINEERING OFFICES SHALL RELIEVE MSE ENGINEERING OF RESPONSIBILITY FOR OVERALL ACCURACY OF PLANS.

PLANS PREPARED FOR
ESTRIDGE DEVELOPMENT COMPANY
148 WEST CARMEL DRIVE
CARMEL, INDIANA 46032
(317) 846-7311

PREPARED BY:
MSE Engineering
MSE Corporation
501 Congressional Boulevard
Suite 110
Carmel, IN 46032
317 843-5080
317 843-5089 FAX

**NOTE: THE PHASE II AS-BUILTS
WERE COMPLETED
JANUARY 21, 1994.**

UTILITIES
TELEPHONE- INDIANA BELL COMPANY
CAT.V- NONE
GAS - NONE
WATER - INDIANAPOLIS WATER COMPANY
SANITARY - CLAY TOWN REGIONAL WASTER DIST.
ELECTRIC - INDIANAPOLIS POWER AND LIGHT CO.



CERTIFIED THIS 8th DAY OF September 1992

STEVE BOURQUEIN
Registered Professional Land Surveyor No. 50441 Indiana



Jeffrey A. Meyerhose
Registered Land Surveyor No. 890003-IN

"DON'T DIG BLIND"

1-800-382-6544
CALL BEFORE YOU DIG

PROJECT DATA

ACRES : 30.346
LOTS : 64
LOTS/ACRE : 2.11

DEDICATED STREET DATA

STREET NAME	LENGTH IN MILES
BOSLOE DRIVE	0.21
TAMMER DRIVE	0.24
ZONDA BOULEVARD	0.06
GOMER COURT	0.03
MONTY CIRCLE	0.0A
ZUGER COURT	0.04
TOTAL	

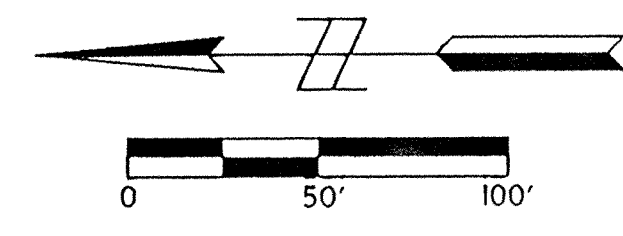
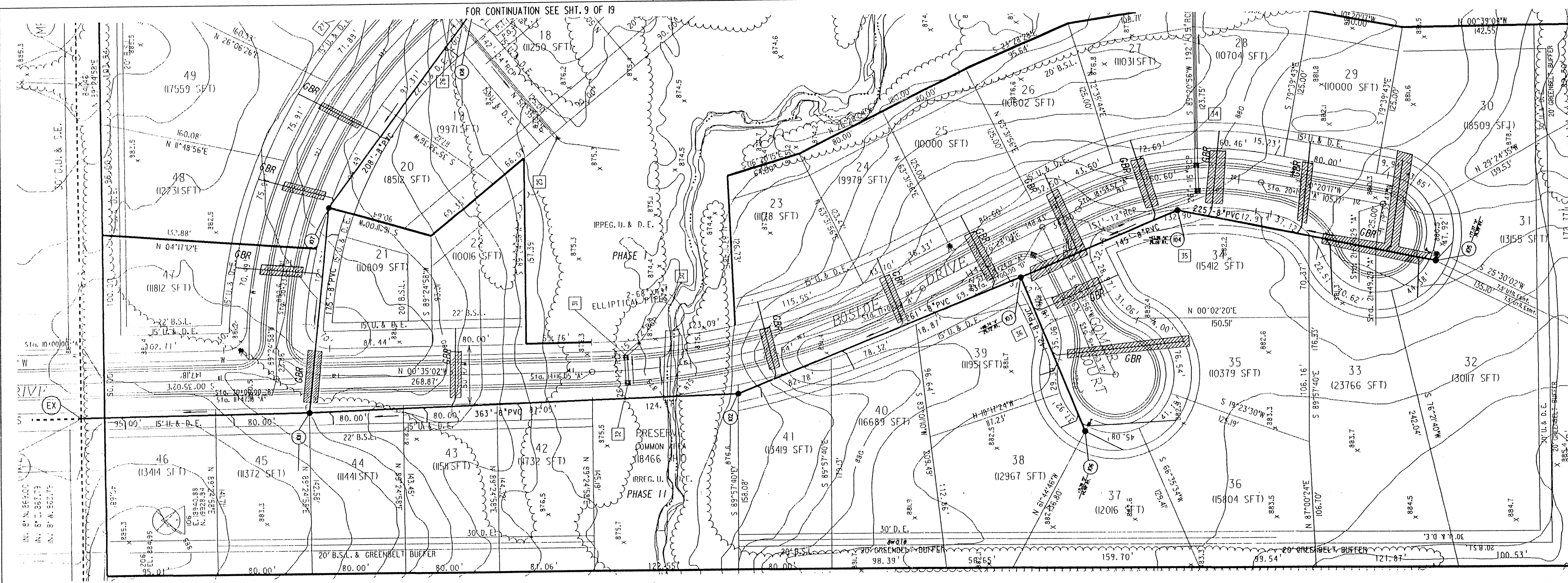
SHEET 1 OF 198

JOB No. F14-0603

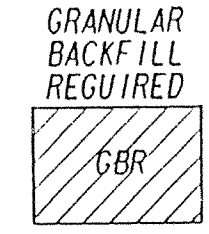
SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

FOR CONTINUATION SEE SHIT. 9 OF 19

DATE	BY



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.

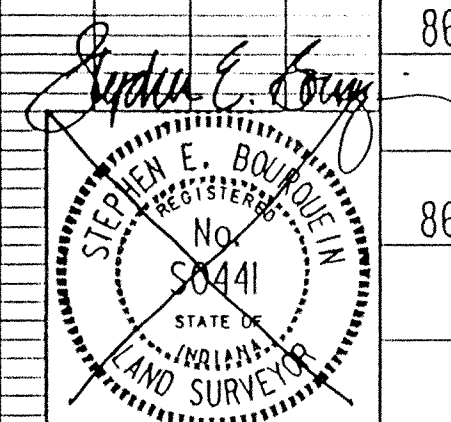
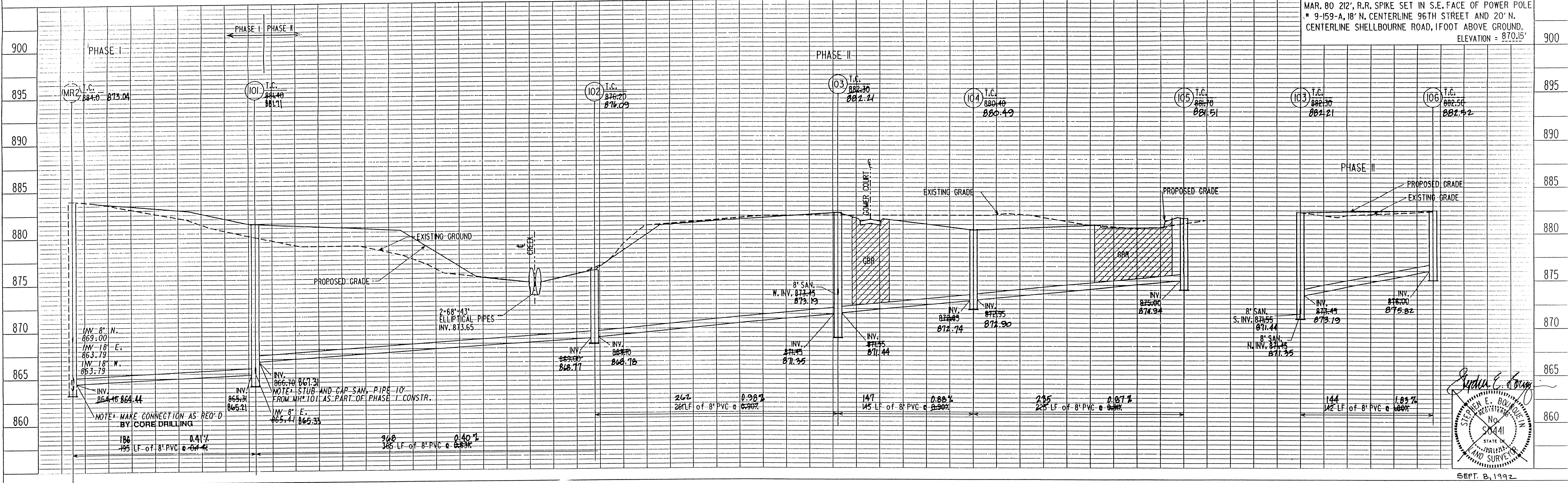


SCALE:
 PLAN: 1" = 50'
 PROFILE: 1" = 5'
 VERTICAL: 1" = 5'
 HORIZONTAL: 1" = 50'

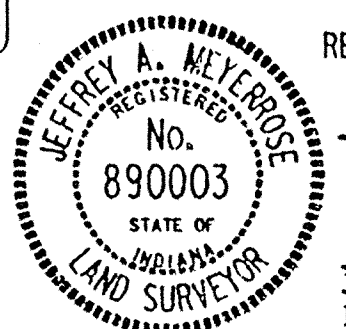
BENCH MARK DESCRIPTION

MAR. 80 212', R.R. SPIKE SET IN S.E. FACE OF POWER POLE
 9'-159-A, 18" N. CENTERLINE 96TH STREET AND 20' N.
 CENTERLINE SHELLBOURNE ROAD, 1 FOOT ABOVE GROUND.
 ELEVATION = 870.15'

DATE	BY



MSE Engineering
 NOTE: THE PHASE II AS-BUILTS WERE COMPLETED JANUARY 21, 1994.



REV. PER C.T.R.N.D. 9/15/92
 As-built information provided by MSE Corporation, certified this 7th day of July, 1993
 Jeffrey A. Meigs
 Registered Land Surveyor No. 890003-IN

Sanitary and Storm AS-BUILTS

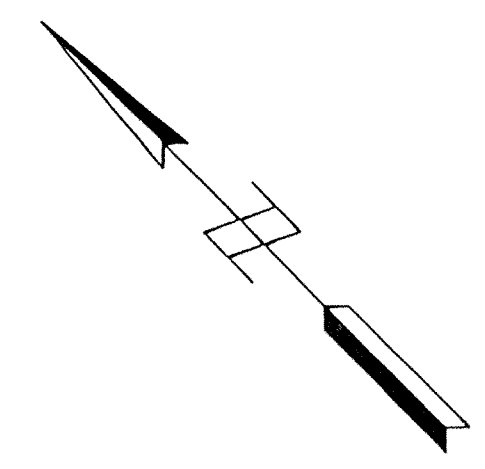
PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DCN	PRF
84-0603		3	4	40603P5	40603P5

3 FILED
 SEP 25 1995

OFFICE OF SANITARY PLANNING & PROFILES

PLAN SHEET NO. DATE
 DRAWN BY: []
 CHECKED BY: []
 DATE: []

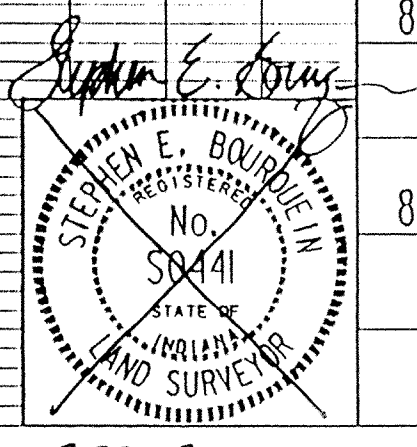
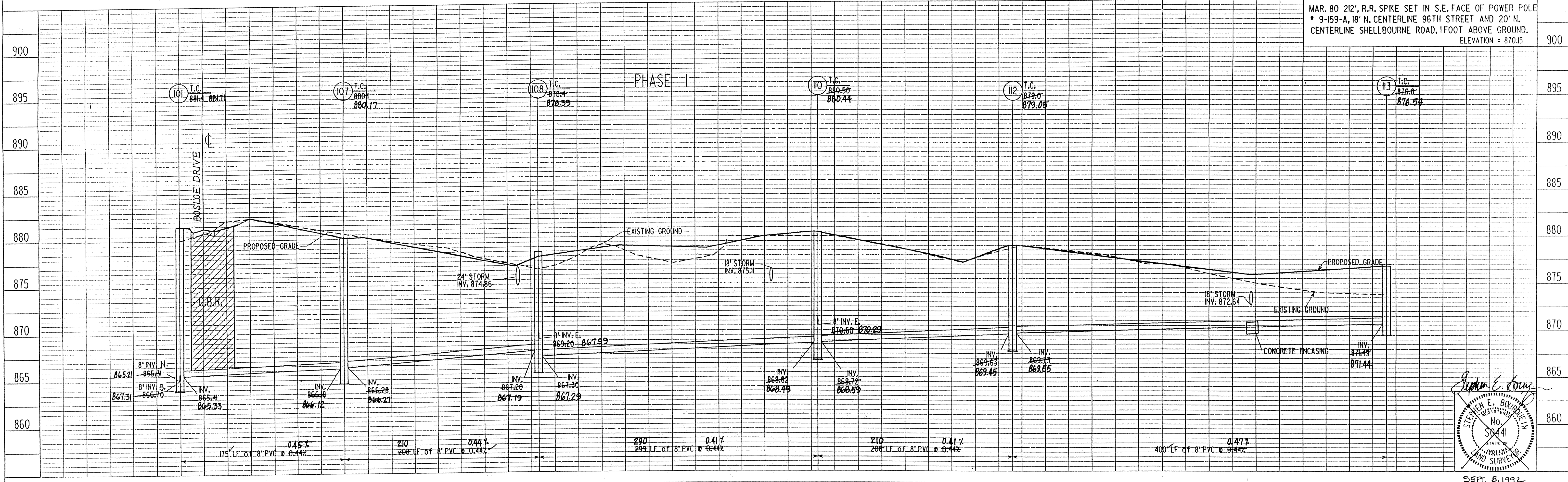
PROFILE SHEET NO. DATE
 DRAWN BY: []
 CHECKED BY: []
 DATE: []



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.
 GRANULAR BACKFILL REQUIRED
 SCALE: PLAN: 1" = 50'
 PROFILE: 1" = 5'
 HORIZONTAL: 1" = 50'

BENCH MARK DESCRIPTION

MAR. 80 212', R.R. SPIKE SET IN S.E. FACE OF POWER POLE
 9-159-A, 18" N. CENTERLINE 96TH STREET AND 20' N. CENTERLINE SHELLBOURNE ROAD, 1 FOOT ABOVE GROUND.
 ELEVATION = 870.15

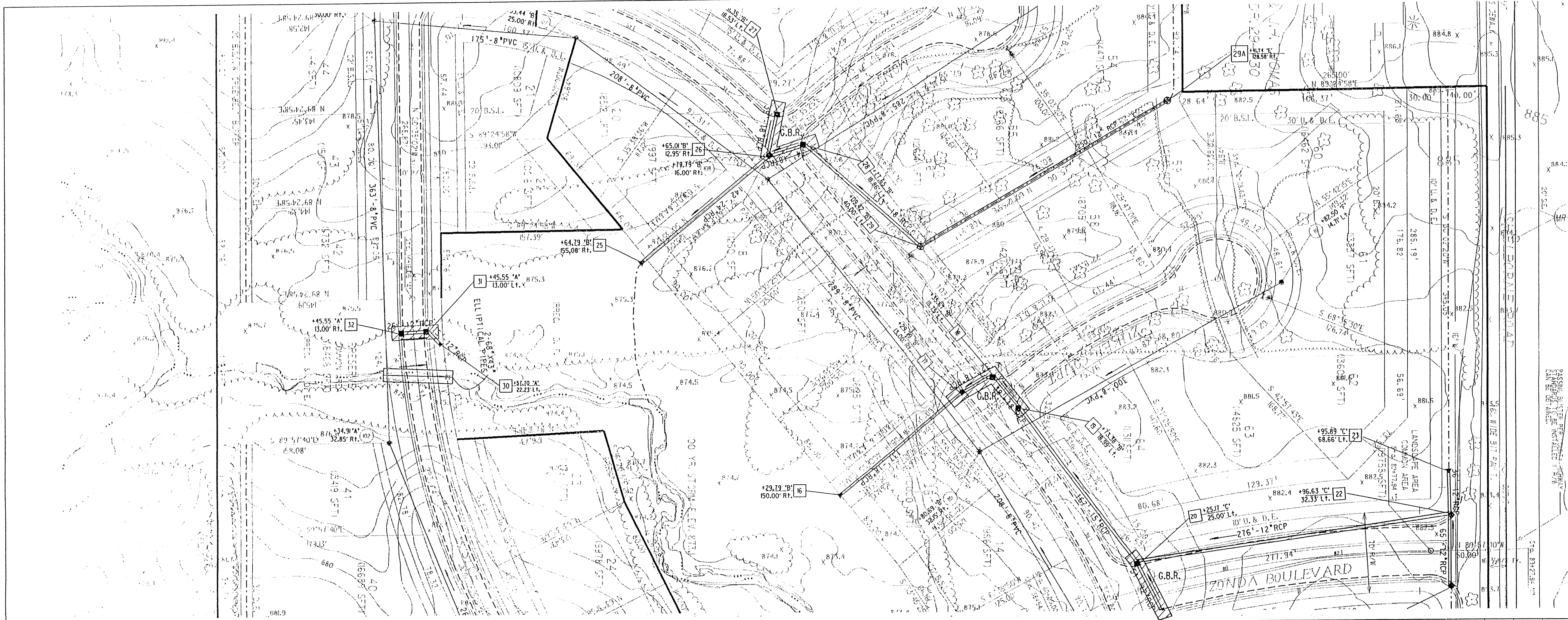


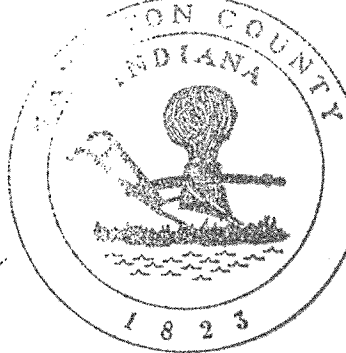
MSE Engineering

REV. PER C.T.R.W.D. 9/15/92
 10/1/92 REGISTERED AT STR.# 101
 As-built information provided by MSE Corporation, certified this 7th day of July, 1993
 Jeffrey A. Magerrick
 Registered Land Surveyor No. 890003 IN

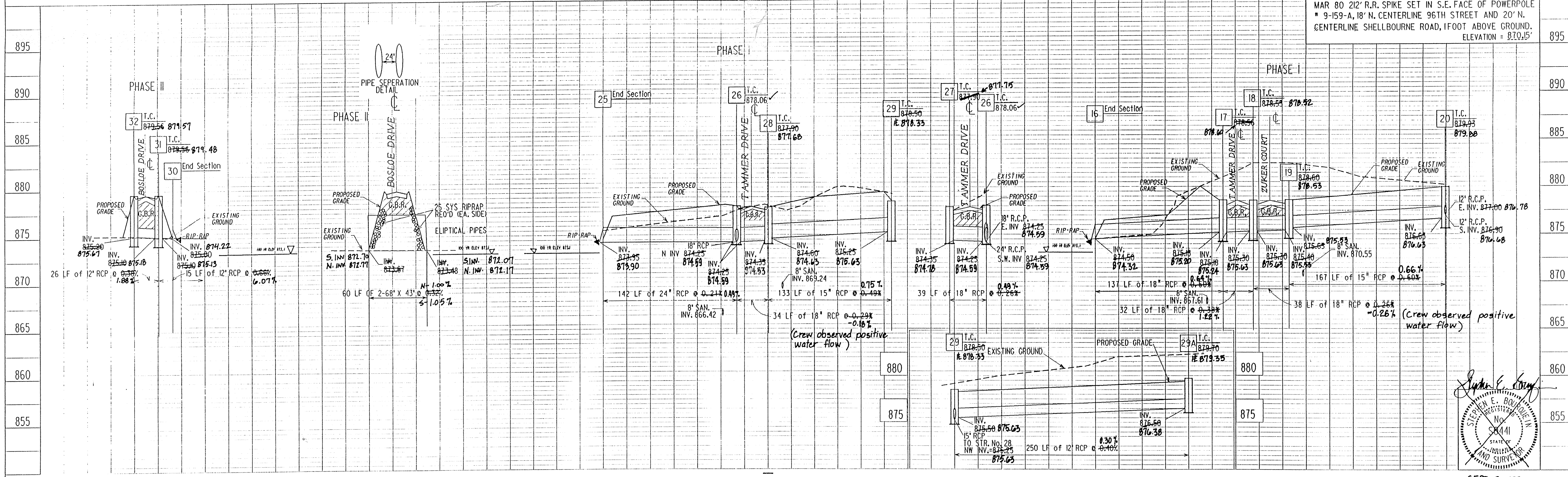
SPRING ARBOR
 PROJECT NO. 14-0603
 SHEET NO. 4
 TOTAL SHEETS 8
 DDN 4060306
 DATE: SEPT. 8, 1992
Sanitary and Storm AS-BUILTS
 SEP 25 1995
 OFFICE OF HAMILTON COUNTY SURVEYOR
 SANITARY PLAN & PROFILES

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 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: 11-26-03
 Entered by: JDI

NOTES:
 LENGTHS OF PIPES INDICATED ARE FROM CENTER TO CENTER OF STRUCTURES AND ARE NOT ACTUAL PIPE LENGTHS.
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 SCALE: PLAN: 1" = 50'
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BENCH MARK DESCRIPTION
 MAR 80 212' R.R. SPIKE SET IN S.E. FACE OF POWERPOLE # 9-159-A, 18' N. CENTERLINE 96TH STREET AND 20' N. CENTERLINE SHELLBOURNE ROAD, 1FOOT ABOVE GROUND. ELEVATION = 870.15'



MSE Engineering
 NOTE: THE PHASE II AS-BUILTS WERE COMPLETED JANUARY 21, 1994.
 REV. INV. ELEV. 9/16/92
 10/5/92 REV. PER INV. & SLOPES FOR STRS. # 25-29.
 10/27/92 ADDED PIPE & STR. No. 29A
 As-built information provided by MSE Corporation, certified this 7th day of July, 1993.
 PROJECT NO. M-0603
 LANE
 SHEET NO. 8
 TOTAL SHEETS 8
 DDN 4060304
 PFD 4060304
Sanitary and Storm AS-BUILTS
 PHASE I & II STORM PLAN & PROFILES
 SEP 25 1996
 OFFICE OF HAMILTON COUNTY SURVEYOR
 JEFFREY A. MEYER
 No. 890003
 STATE OF MISSOURI
 LAND SURVEYOR
 Registered Land Surveyor No. 890003-IN