Drain: CROOKED CREEK DRAIN **Drain #:** 250
Improvement/Arm: SPRING ARBOR - SECTION 1
Operator: JOH **Date:** 11-26-03
Drain Classification: Urban/Rural **Year Installed:** 1992

GIS Drain Input Checklist

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

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: CROOKED CREEK DRAIN - SPRING ARBOR - SECTION 1

Drain Type:	Size:	Length: (SURVEYOR'S REPORT)	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	4,000'	4,000'	Ø		
RCP	12"	921'	921'	Ø		
	15"	300'	300'	Ø		
	18"	472'	472'	Ø		
	24"	142'	142'	Ø		
BOX CULVERT	42"X96"	45'	45'	Ø		
OPEN DITCH		1,465'	1,465'	Ø		
Sum:		7,345'	7,345'	Ø		

Final Report: _____

Comments:

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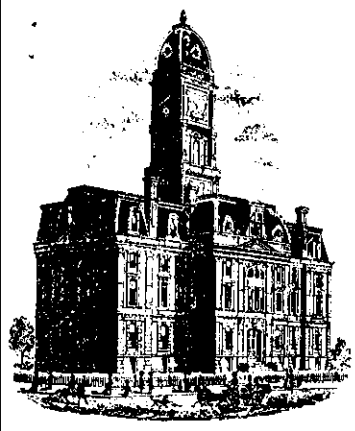

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
776-8495

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

December 14, 1992

TO: Hamilton County Drainage Board

RE: Crooked Creek Drain-Spring Arbor Section 1 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Crooked Creek Drain-Spring Arbor Section 1 Arm. I have reviewed 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	4000ft	15"	RCP	300ft	Open Ditch	1465ft
42"x96" Box Culvert	45ft	18"	RCP	472ft		
12" RCP	921ft	24"	RCP	142ft		

The total length of drain will be 7345 feet.

The open ditch shown above is that portion of Crooked Creek running through this section and the open ditch between the storm sewer outlets (Structures 25, 16, and 10) and Crooked Creek.

The retention area located in the preserve at the rear of Lots 8-20 is not to be considered part of the regulated drain. Only the inlet and outlet and open ditches 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 lake 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 are located

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within the easement or R/W 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 drain other than those under curbs is that in the rear of Lots 53 and 54.

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 $1207.50.

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 1 as recorded in the office of the Hamilton County Recorder.

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

Kenton C. Ward
Hamilton County Surveyor

KCW/no

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XXXXX
XXXXXX

UNION STATE BANK

21 Jefferson Square • P. O. Box ~~398~~ 1710 • Carmel, Indiana 46032

TELEPHONE
AREA CODE 317
846-7381

IRREVOCABLE
LETTER OF CREDIT NO. 2371

DATE November 3, 1992

BENEFICIARY

Hamilton County Commissioners

Spring Arbor, Section 1
Storm Sewer

FOR ACCOUNT OF

Shelbourne Partners, L.P.
by Estridge Development Company,
General Partner
148 West Carmel Drive
Carmel, Indiana 46032

GENTLEMEN:

CROOKED CREEK DRAIN

WE HEREBY ESTABLISH OUR CREDIT IN YOUR FAVOR, FOR THE ACCOUNT INDICATED ABOVE, FOR A SUM OR SUMS NOT EXCEEDING AN AGGREGATE AMOUNT OF Sixty-Eight Thousand, Three Hundred and no/100 Dollars ($68,300.00)

FUNDS ARE AVAILABLE BY YOUR DRAFT(S) AT Carmel, Indiana DRAWN ON UNION STATE BANK

UNION STATE BANK P. O. Box 1710, Carmel, Indiana 46032

Drafts are to be accompanied by:

Original Letter of Credit

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

Steven C. Dillinger
William R. Kern

DATE 12/7/92

ATTEST: Jon M. Dale
HAMILTON COUNTY AUDITOR

ALL DRAFTS DRAWN UNDER THIS LETTER OF CREDIT ARE TO BE ENDORSED HEREON AND SHALL BEAR THE CLAUSE "DRAWN UNDER UNION STATE BANK LETTER OF CREDIT No. (AS INDICATED ABOVE)," and must be drawn and presented on or before November 3, 1993.

WE HEREBY AGREE WITH YOU THAT ALL DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT WILL BE DULY HONORED UPON PROPER PRESENTATION.

Except as otherwise expressly stated herein this Credit is subject to the Uniform Customs and Practice for Documentary Credits (1983 Revision), International Chamber of Commerce, Publication ~~290~~ 400.

VERY TRULY YOURS,

William R. Redman
AUTHORIZED SIGNATURE

William R. Redman, Senior Vice President
TITLE

ATTEST: Jon M. Dale
HAMILTON COUNTY AUDITOR

RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT
HAMILTON COUNTY BOARD OF COMMISSIONERS
BY: Steven C. Dillinger
BY: Jon M. Dale
BY: Shawn R. Clark
DATED: 8-12-96

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MSE Engineering

MSE Corporation
941 North Meridian Street
Indianapolis, IN 46204 1061
317 634-1000
317 634-3576 FAX

Engineering
Surveying
Landscape Architecture
Digital Mapping

HAMILTON COUNTY DRAINAGE BOARD
CERTIFICATE OF COMPLETION AND COMPLIANCE

Address of premises on which land alteration was accomplished: North of West 96th Street on Shelbourne Road (part of Northeast Quarter and Southeast Quarter of Section 7, Township 17 North, Range 3 East, Clay Township, Hamilton County, Indiana)

Project Name: Spring Arbor Sections 1 & 2

Relative to plans prepared by MSE Corporation on September 8, 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 7TH day of December, 1995.

JEFFREY A. MEYERROSE
REGISTERED
No.
890003
STATE OF
INDIANA
LAND SURVEYOR

MSE CORPORATION

Jeffrey A. Meyerrose
Registered Land Surveyor #890003 - Indiana

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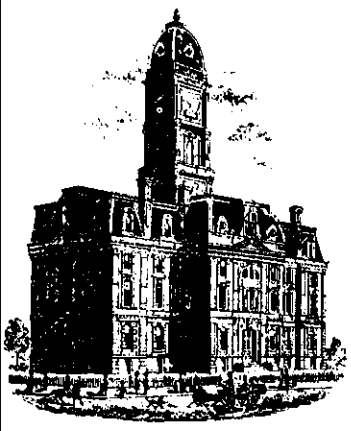

SURVEYOR'S OFFICE

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 1

Attached are as-builts, compliance and other information for Spring Arbor Section 1. 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 plans submitted with my report dated December 14, 1992. Therefore, the length of the drain remains at 7345 feet.

The non-enforcement of easement was approved by the Board at it's meeting on February 16, 1993.

The bond or letter of credit from Union State Bank, number 2371, dated November 3, 1992, in the amount of $68,300.00, has been released.

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

Sincerely,

Kenton C. Ward
Hamilton County Surveyor

KCW/ndw

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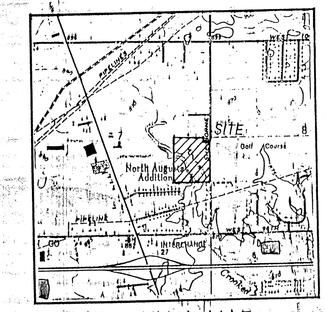
CONSTRUCTION PLANS FOR

SPRING ARBOR
AS-BUILTS

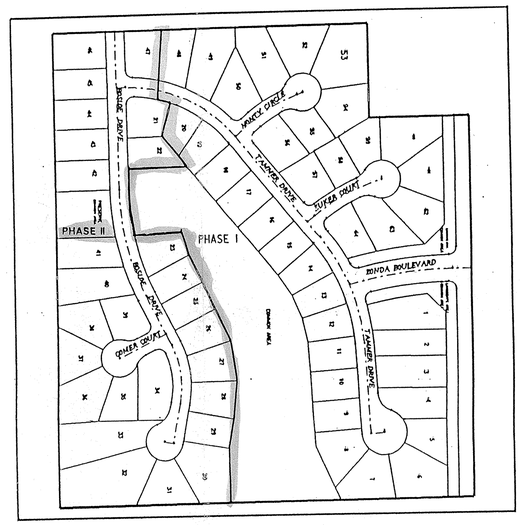


VICINITY MAP

'DON'T DIG BLIND'

1-800-382-5544
CALL BEFORE YOU DIG

SHEET NO.	DESCRIPTION
1	TITLE SHEET
~~2~~ N/A	SPECIFICATION SHEET
3	SITE UTILITY PLAN
~~4~~ N/A	GRADING PLAN
~~5-7~~ 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, & 18	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 COMLETED 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.

STEPHEN E. BOURQUEIN REGISTERED No. S0441 STATE OF INDIANA LAND SURVEYOR

CERTIFIED THIS 8th DAY OF September 1992

STEVE BOURQUEIN
Registered Professional Land Surveyor No. S0441 - Indiana

As-built information provided by MSE Corporation, certified this 17th day of July 1995

JEFFREY A. MEYERROSE REGISTERED No. 890003 STATE OF INDIANA LAND SURVEYOR

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

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	0.04
ZUKER COURT	0.04
TOTAL	

SHEET 1 OF ~~19~~ 8

JOB No. F14-0603

SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

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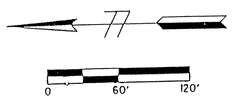

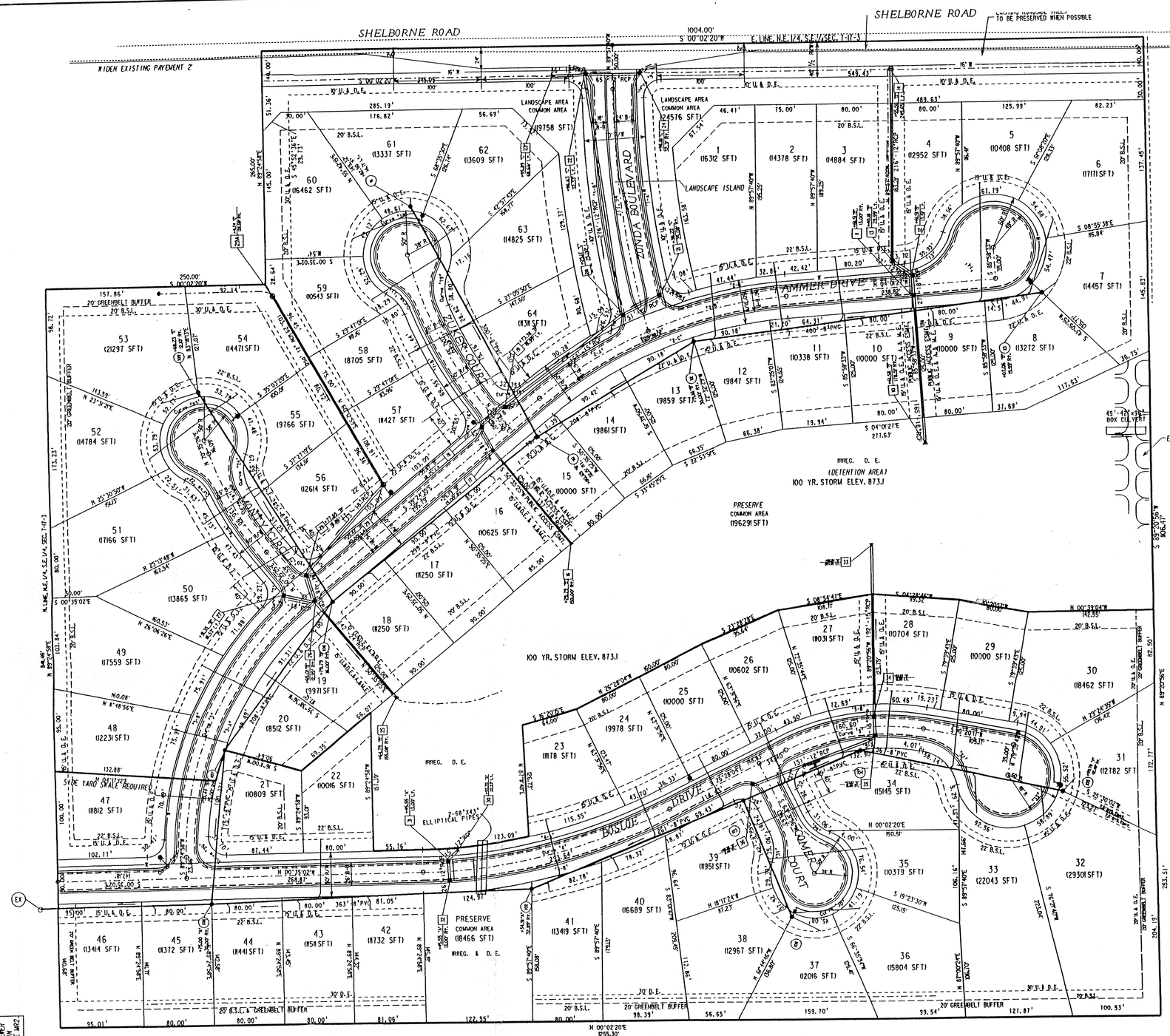

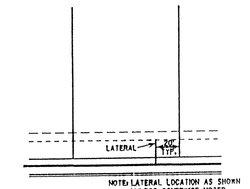

TYPICAL LATERAL LOCATION DETAIL

SPRING ARBOR
CURVE DATA

CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
1	15°55'30'	1000.00	139.87	277.94	277.05	S 82°04'35' V
1-A	12°22'35'	965.00	104.63	208.45	208.05	S 83°14'40' V
1-B	13°23'46'	1035.00	121.55	241.99	241.44	S 82°41'52' V
2	35°23'08'	500.00	159.50	308.80	303.91	N 21°43'01' V
2-A	35°23'08'	500.00	159.50	308.80	303.91	N 21°43'01' V
2-B	35°23'08'	500.00	159.50	308.80	303.91	N 21°43'01' V
2-C	35°23'08'	415.00	151.53	293.36	288.72	N 21°43'01' V
2-D	11°29'57'	525.00	52.86	105.37	105.19	N 33°29'36' V
2-E	12°10'11'	525.00	55.97	111.51	111.30	N 10°06'32' V
3	51°10'27'	375.00	179.57	334.94	323.91	N 64°59'48' V
3-A	41°30'04'	350.00	154.01	290.17	281.93	N 63°09'37' V
3-B	42°08'18'	400.00	154.10	294.18	287.60	N 66°37'46' V
4	25°53'02'	650.00	149.37	293.64	291.15	S 13°31'33' E
4-A	25°53'02'	625.00	143.63	282.35	279.95	S 13°31'33' E
4-B	25°53'02'	675.00	155.12	304.94	302.35	S 13°31'33' E
5	36°48'21'	250.00	83.18	160.60	157.85	N 08°03'53' V
5-A	36°48'21'	225.00	74.86	144.54	142.06	N 08°03'53' V
5-B	15°08'41'	275.00	36.56	72.69	72.48	N 09°49'55' V
6	10°59'21'	285.10	27.43	54.68	54.60	N 04°50'36' E
6-A	10°59'21'	260.10	25.02	49.89	49.81	N 04°50'36' E
6-B	10°59'21'	310.10	29.83	59.48	59.39	N 04°50'36' E
7	24°33'44'	415.00	103.40	203.63	202.07	N 62°52'18' E
7-A	13°18'56'	450.00	52.53	104.58	104.34	S 59°54'51' V
7-B	15°00'38'	500.00	65.81	130.99	130.62	S 60°17'59' V
8	20°00'00'	375.00	66.12	130.90	130.24	S 60°35'25' V
8-A	11°22'45'	350.00	34.81	69.51	69.40	S 56°16'48' V
8-B	13°15'30'	400.00	46.49	92.56	92.35	S 57°13'11' V
9	90°36'23'	20.00	20.21	31.63	28.43	S 45°15'51' E
10	89°21'25'	20.00	19.81	31.23	28.15	N 44°46'02' E
11	93°14'59'	20.00	21.11	32.55	29.07	N 30°25'52' E
12	75°59'24'	20.00	15.62	26.53	24.62	N 65°54'20' V
13	68°40'35'	50.00	34.16	59.93	56.41	N 38°21'44' V
14	248°40'35'	50.00	------	260.41	93.09	S 51°38'16' E
15	115°20'51'	20.00	31.60	40.26	33.80	S 04°25'03' E
16	87°41'45'	20.00	19.25	30.65	27.74	N 83°18'27' V
17	38°18'26'	48.00	16.67	32.09	31.50	N 48°39'05' E
18	263°23'35'	50.00	------	229.85	74.67	N 18°48'20' V
19	46°19'09'	48.00	20.53	38.80	37.76	S 89°43'53' V
20	90°00'00'	20.00	20.00	31.42	28.28	S 05°35'25' V
21	83°50'58'	20.00	17.96	29.21	26.73	S 87°29'06' E
22	37°45'18'	48.00	16.41	31.63	31.06	S 44°58'16' V
23	263°15'45'	50.00	------	229.74	74.14	N 22°16'31' V
24	47°23'11'	48.00	21.06	39.70	38.58	S 85°39'46' V
25	87°06'53'	20.00	19.02	30.41	27.56	N 44°08'29' V
26	93°40'23'	20.00	21.33	32.70	29.18	S 46°15'10' V
27	38°58'08'	20.00	23.40	34.55	30.41	S 39°08'41' E
28	81°01'52'	20.00	17.09	28.29	25.99	N 50°51'13' E
29	41°50'59'	48.00	18.35	35.06	34.29	N 70°26'39' E
30	263°41'58'	50.00	------	230.12	74.49	S 01°22'09' V
31	41°50'59'	48.00	18.35	35.06	34.29	S 61°42'22' E
32	89°23'58'	48.00	33.24	58.14	54.88	N 49°02'18"E
33	249°23'58'	60.00	------	261.17	98.88	S 44°57'44"E

LEGEND

EXISTING		PROPOSED
	STORM SEWER	
	SANITARY SEWER	
W	WATER LINE	W
	LATERAL	
G	GAS LINE	G
T & E	TELEPHONE & ELECT.	T & E
	MANHOLE	
	INLET	
	END SECTION	
	WATER METER	
	WATER VALVE	
	FIRE HYDRANT	
	GAS METER	
	SPRINKLER	
	ELECT. BOX/TRANSFORMER	
	TELEPHONE PEDESTAL	
	POWER POLE	
	LIGHT POLE	
	CLEAN OUT	
	HOSE BIB	
	STORM STR. NO.	
	SANITARY STR. NO.	
	FLOWLINE OF SWALE	

JUST SEWER 18" MIN. WATER 12"

NOTE: Water line locations and fire hydrant locations are subject to change by Indianapolis Water Company.

JEFFREY A. MEYERROSE REGISTERED No. 890003 STATE OF INDIANA LAND SURVEYOR

As-built information provided by MSE Corporation, certified this 7TH day of July, 1993

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

BENCHMARK DESCRIPTION

MAR. 80 212' R.R. SPIKE IN S.E. FACE OF POWER POLE # 9-159-A 18' W. CENTERLINE 96TH STREET AND 20' N. CENTERLINE SHELBORNE ROAD, 1' ABOVE GROUND.

ELEV. 870.15

Revisions and Dates
10/21/92 ADDED STR. No. 29A
10/28/92 REV. ESMTS.
11/19/92 Rev. Boosloe Drive Cul-de-sac

Designed by: MBR
Drawn by: DSC
Checked by: SEB
Approved by: SEB

STEPHEN E. BOURNE IN REGISTERED No. 30441 STATE OF INDIANA LAND SURVEYOR

Date: SEPT. 8, 1992

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

Sanitary and Storm AS-BUILTS

SPRING ARBOR

Title: SITE UTILITY PLAN

SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

Scale: 1" = 60' | Job No.: 114-0603 | Sheet No.: 1 of 1 | 28

DGN: 40603U.DGN PRF: 40603U.PRF

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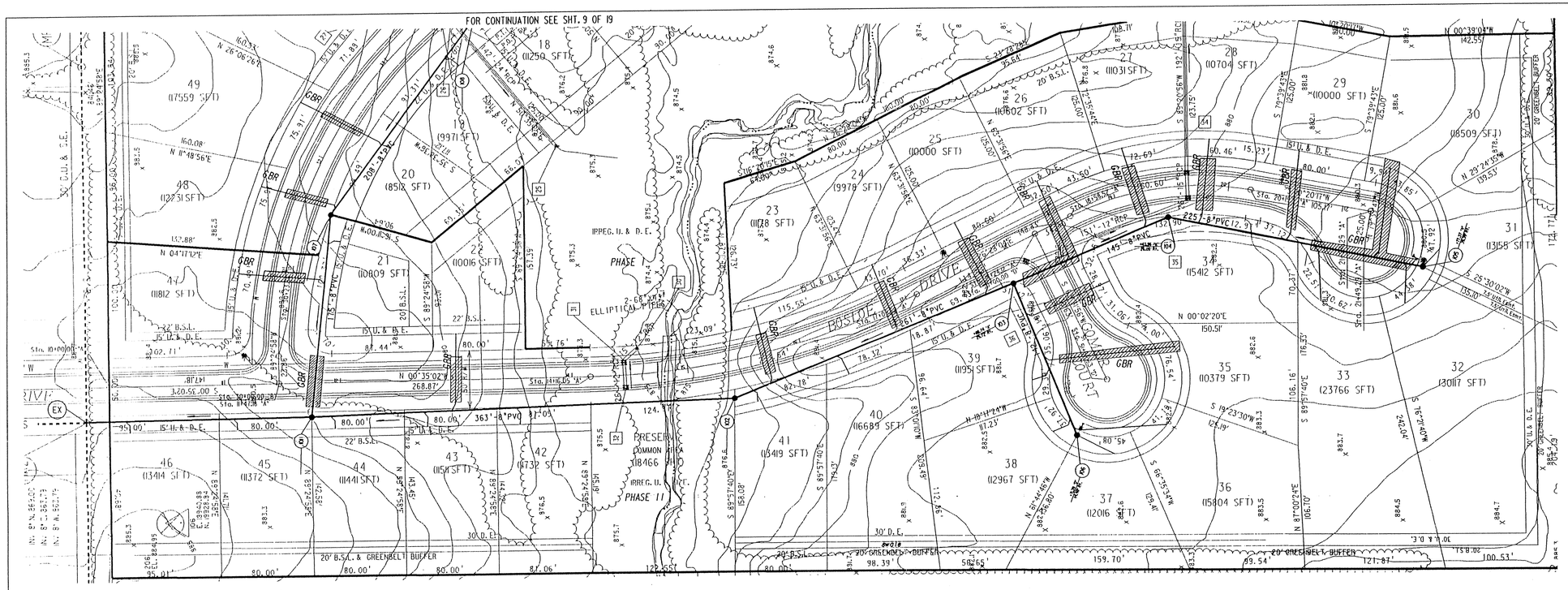
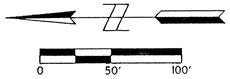




NOTES:

~~LENGTHS OF PIPES INDICATED ARE FROM CENTER TO CENTER OF STRUCTURES AND ARE NOT ACTUAL PIPE LENGTHS.~~

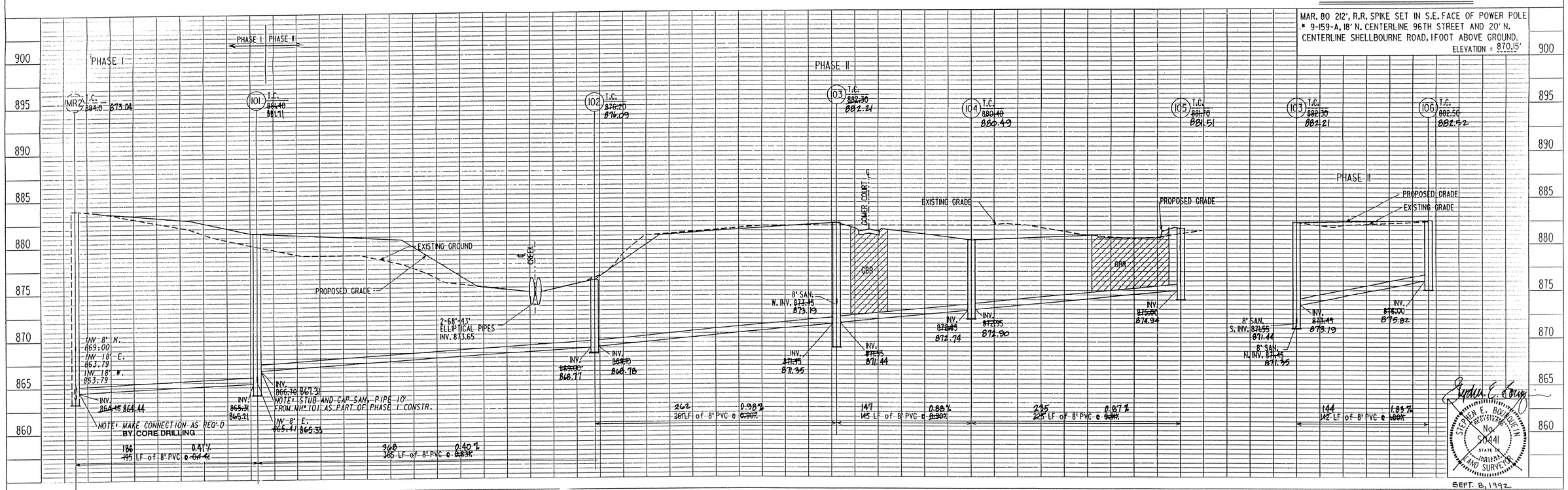
CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME FRAME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.

GRANULAR BACKFILL REQUIRED — GBR

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



MSE Engineering

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

JEFFREY A. METZROSE REGISTERED No. 890003 STATE OF INDIANA LAND SURVEYOR

REV. PER C.T.R.W.D. 9/15/92

As-built information provided by MSE Corporation, certified this 7TH day of JULY, 1993

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

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
84-0603		1	1	40603P5	40603P5

Sanitary and Storm AS-BUILTS

3 PHASE I & II

FILED SEP 25 1995 OFFICE OF SANITARY PLAN & PROFILES

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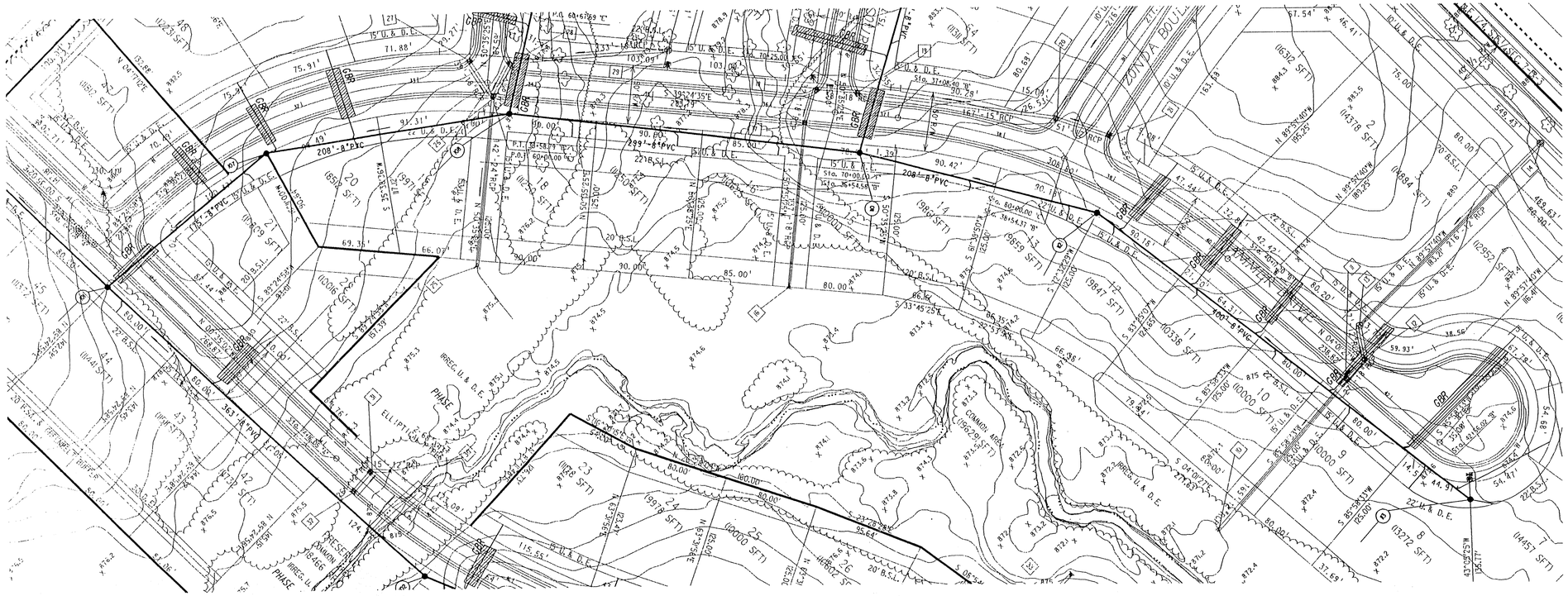


NOTES:

~~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.

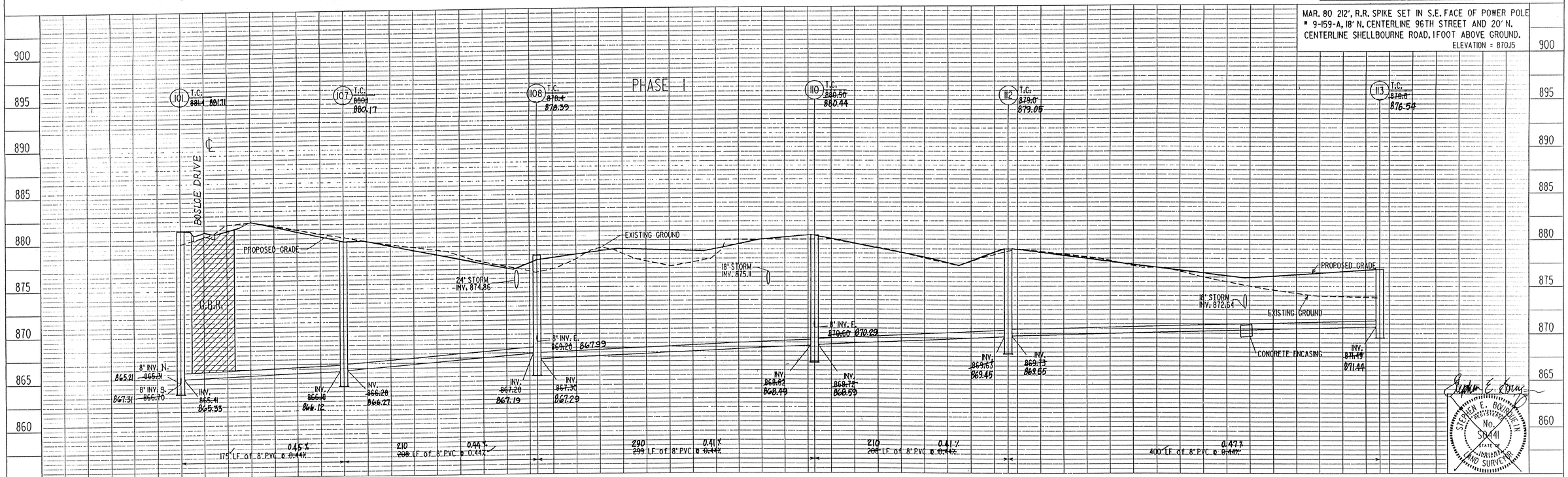
GRANULAR BACKFILL REQUIRED

GBR

SCALE:
PLAN: 1" = 50'
PROFILE:
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



STEPHEN E. BOURDUEIN REGISTERED No. S0441 STATE OF INDIANA LAND SURVEYOR

SEPT. 8, 1992

MSE Engineering

REV. PER C.T.R.W.D. 9/15/92
10/13/92 REV. INVERTS AT STR.#101

As-built information provided by MSE Corporation, certified this 7th day of July, 1993

JEFFREY A. MEYERROSE REGISTERED No. 890003 STATE OF INDIANA LAND SURVEYOR

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

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
114-0603		4	8	4060306	4060306

SPRING ARBOR

Sanitary and Storm AS-BUILTS

PHASE I
SANITARY PLAN & PROFILES

FILED
SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, NOTE BOOK NO., RT. OF WAY CHECKED, DATE, BY

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M.'s NOTED, STRUCTURE NOTATIONS CHECKED, NOTE BOOK NO., DATE, BY

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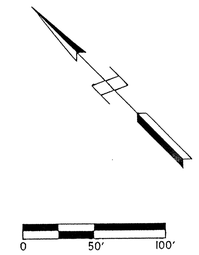

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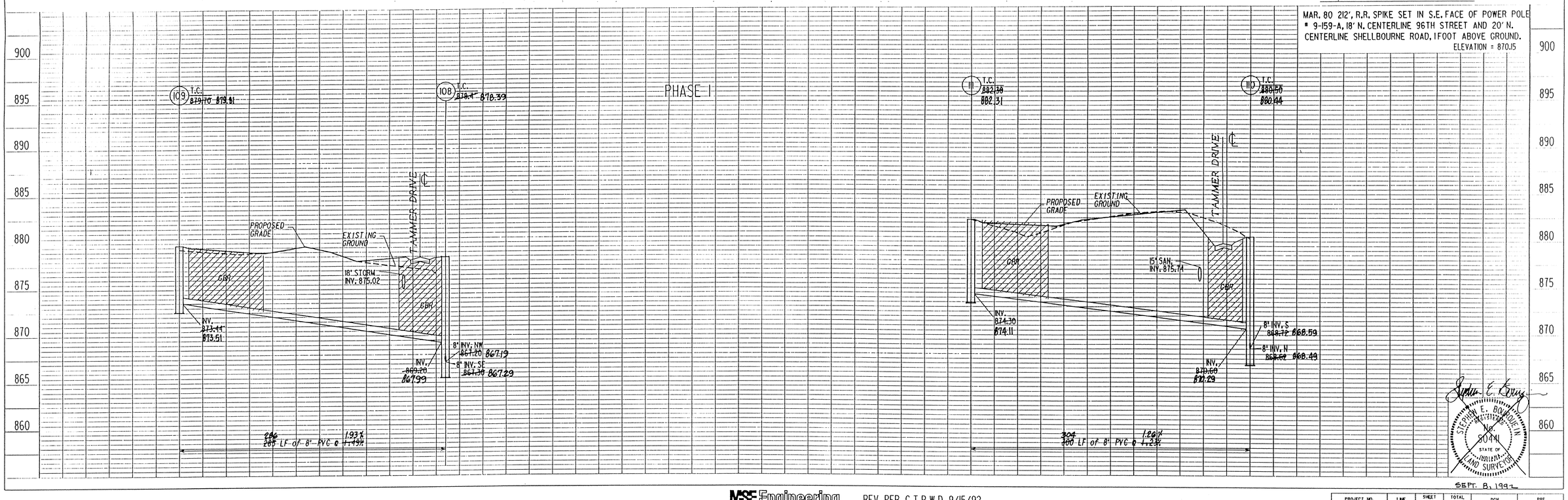
GRANULAR BACKFILL REQUIRED

GBR

SCALE:
PLAN: 1" = 50'
PROFILE:
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



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M.'s NOTED
STRUCTURE NOTATIONS CHECKED
BY
DATE

STEPHEN E. BOURQUEIN REGISTERED No. S0441 STATE OF INDIANA LAND SURVEYOR

SEPT. 8, 1992

MSE Engineering REV. PER C.T.R.W.D. 9/15/92

As-built information provided by MSE Corporation, certified this 7th day of July, 1993

JEFFREY A. MEYERROSE REGISTERED No. 890003 STATE OF INDIANA LAND SURVEYOR

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

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
114-0603		5	8	40603PT.D	40603BLP

Sanitary and Storm
AS-BUILTS

FILED
SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

PHASE I
SANITARY PLAN & PROFILES

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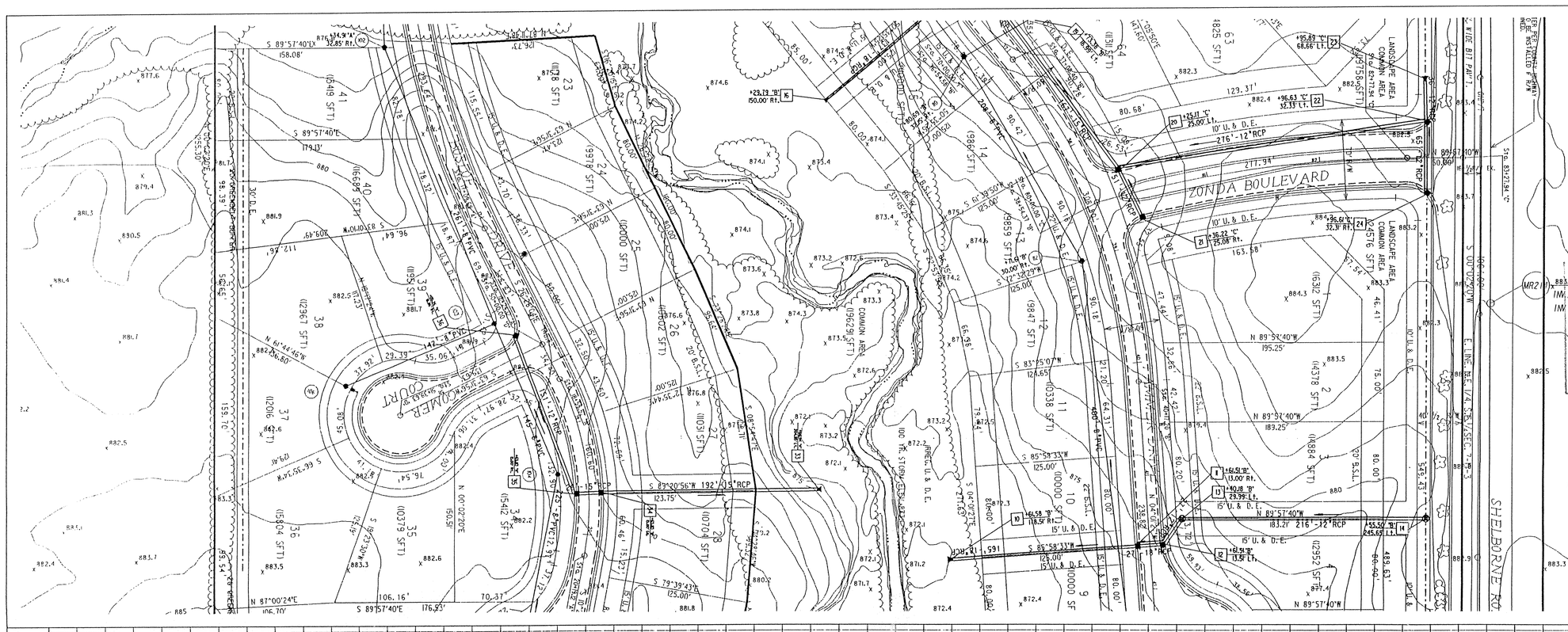

PLAN — SURVEYED / PLOTTED / DESIGN CHECKED / PLAN CHECKED / NOTE BOOK NO. / SCALE 1" = 80' / DATE

PROFILE — SURVEYED / PLOTTED / DESIGN CHECKED / PLAN CHECKED / NOTE BOOK NO. / SCALE 0-1" / 8' / STRUCTURE NOTE/CLAIM CHECKED

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: JDH

NOTES:

~~LENGTHS OF PIPES INDICATED ARE FROM CENTER TO CENTER OF STRUCTURES AND ARE NOT ACTUAL PIPE LENGTHS.~~

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GRANULAR BACKFILL REQUIRED — GBR

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

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, 1 FOOT ABOVE GROUND.
ELEVATION = 870.5

SEPT. 8, 1992

MSE Engineering

REV. INV ELEV. 9/16/92

As-built information provided by MSE Corporation, certified this 7TH day of JULY, 1993

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

JEFFREY A. MEYERROSE REGISTERED No. 890003 STATE OF INDIANA LAND SURVEYOR

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
84-0603		6	8	40603P8	40603P8

Sanitary and Storm AS-BUILTS

PHASE I

STORM PLAN & PROFILES

FILED SEP 25 1995 HAMILTON COUNTY SURVEYOR

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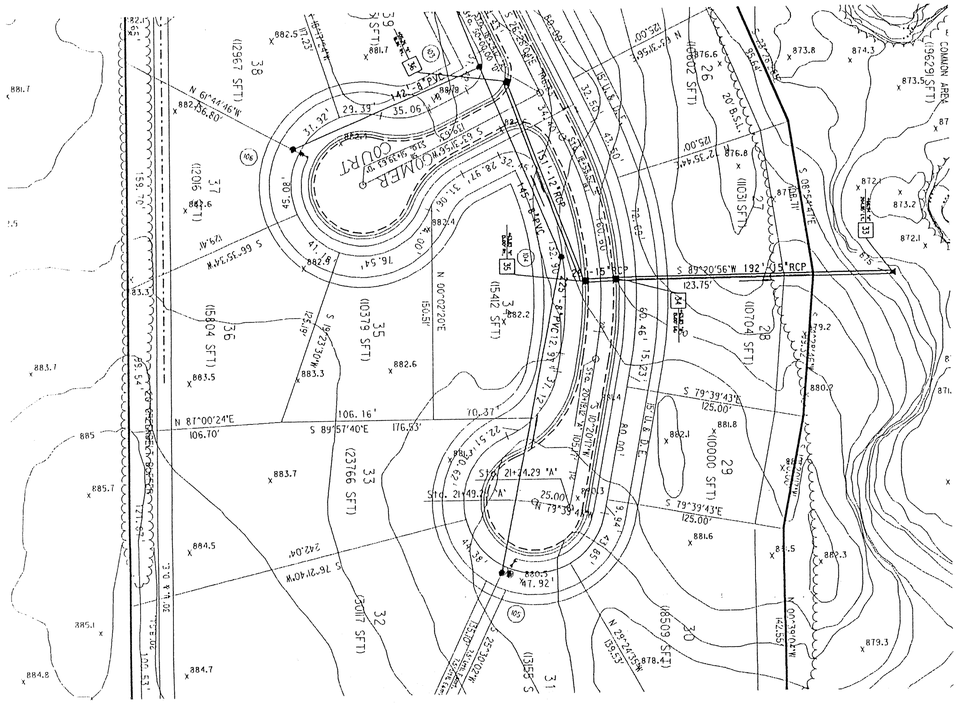

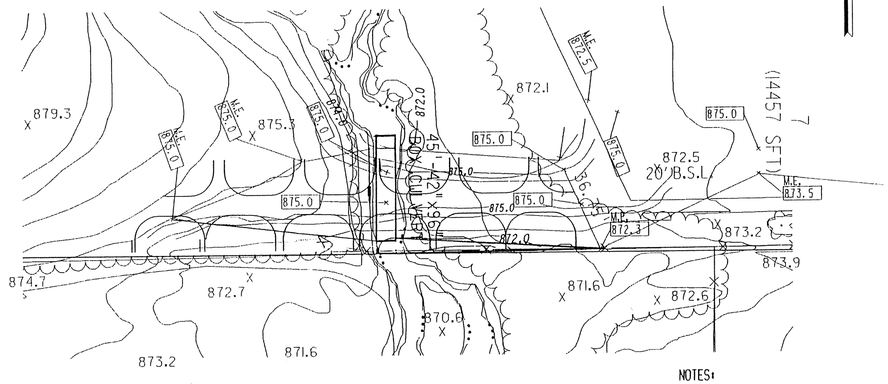

EMBANKMENT DETAIL

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Entry Date: 11-26-03
Entered by: JDH

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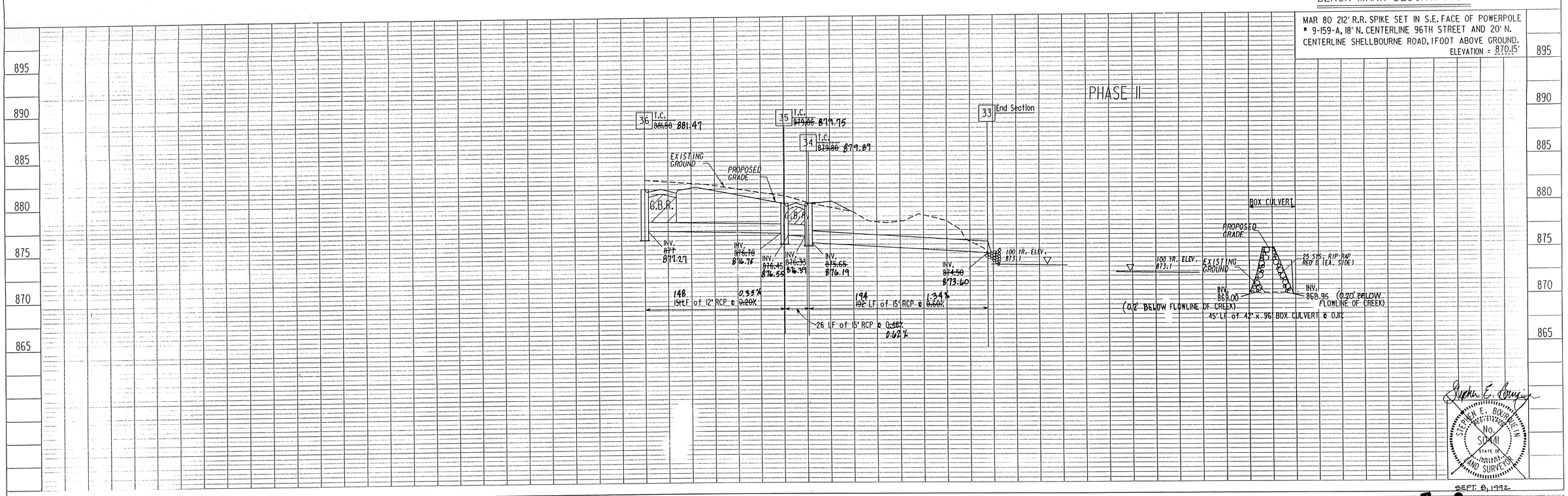

SEPT. 8, 1992

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

MSE Engineering

As-built information provided by MSE Corporation, certified this 7TH day of July, 1993

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

JEFFREY A. MEYERHOFF REGISTERED No. 890003 STATE OF INDIANA LAND SURVEYOR

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	SHEETS	DGN	PRF
94-0603		7	8	40603b9	40603b9

10/16/92 Rev. Box Culvert Inv.

Sanitary and Storm AS-BUILTS

PHASE II STORM PLAN & PROFILES

FILED
SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

STEPHEN E. BOURNE REGISTERED No. S0441 STATE OF INDIANA LAND SURVEYOR

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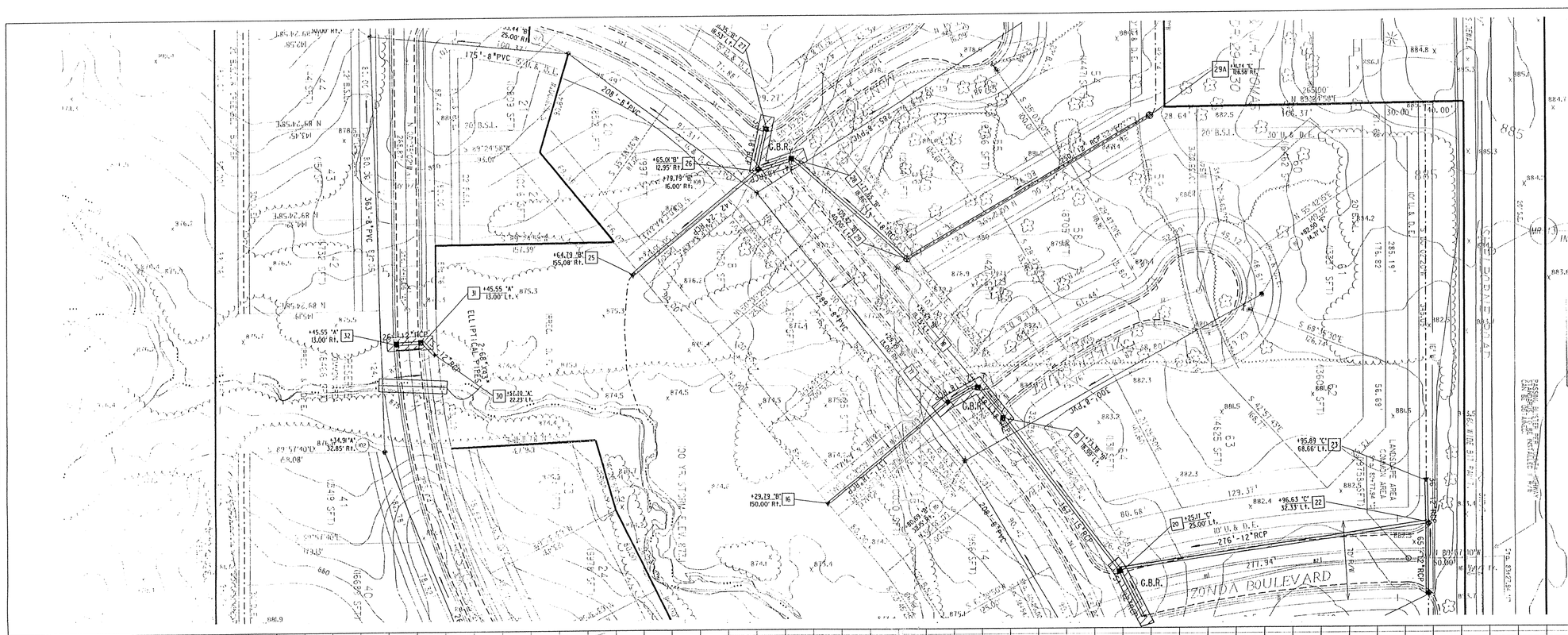

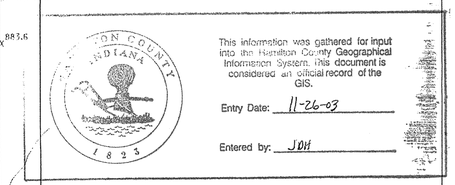

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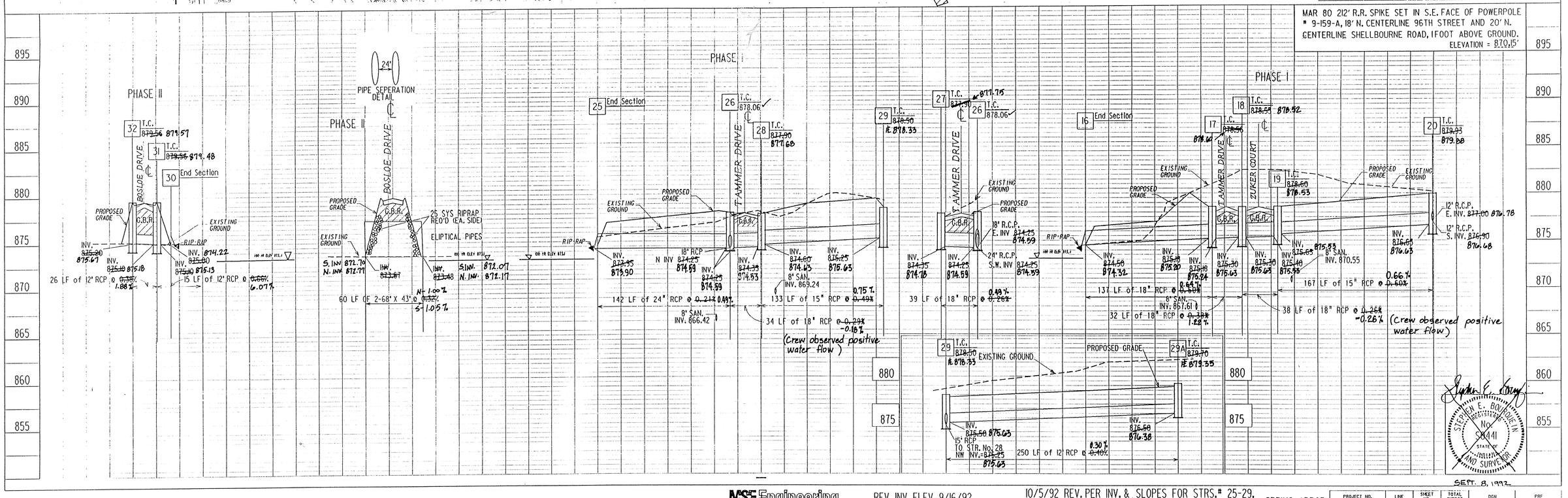

MSE Engineering

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

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
94-0603		~~7~~ 8	~~7~~ 8	40603D4	40603P4

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

JEFFREY A. MEYERHOSE
REGISTERED
No. 890003
STATE OF INDIANA
LAND SURVEYOR

As-built information provided by MSE Corporation, certified this 7th day of July, 1993

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

Sanitary and Storm
AS-BUILTS

PHASE I & II
STORM PLAN ~~& PROFILES~~

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SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

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