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 — 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
- Sum drain length for Watershed in Posse
- Check Database entries for errors — JDH 11-26

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: CROOKED CREEK DRAIN - SPRING ARBOR - SECTION 2

Drain Type:	Size:	Length (SURVEYORS REPORT)	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSO	6"	3000'	3000	ø		
RCP	12"	189'	189'	ø		
	15"	220'	220'	ø		
EP	68"x43"	60'	60'	ø		
OPEN DITCH		800'	800'	ø		

Sum: 4269' 4269' ø

Final Report: _____

Comments:

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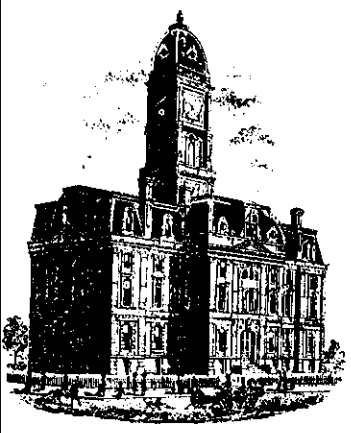

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
776-8495
Suite 146
One Hamilton County Square
Noblesville, Indiana 46060-2230

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).

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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

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National City Bank

National City Bank, Indiana
101 West Washington Street
Indianapolis, IN 46255

International Department
Telex: 244038
Cable: Frenzel

STANDBY LETTER OF CREDIT AMENDMENT

Letter of Credit No.: 44224

Date: August 18, 1994

Issue Date: August 17, 1993

Amendment No.: 1

BENEFICIARY

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

FOR ACCOUNT OF

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

William R. Karns

DATE 8-22-94

ATTEST:
HAMILTON COUNTY AUDITOR

44244
STORM SEWERS,
SIGNS, MONUMENTS
+ MARKERS

SPRING ARBOR
SECTION 2

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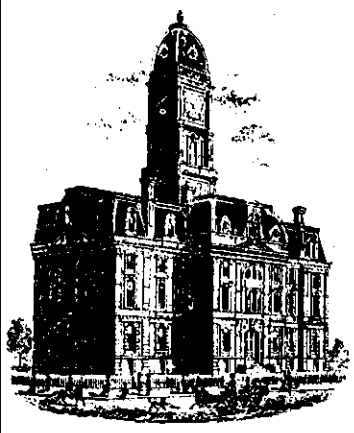

SURVEYOR'S OFFICE

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 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

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CONSTRUCTION PLANS FOR

SPRING ARBOR

AS-BUILTS

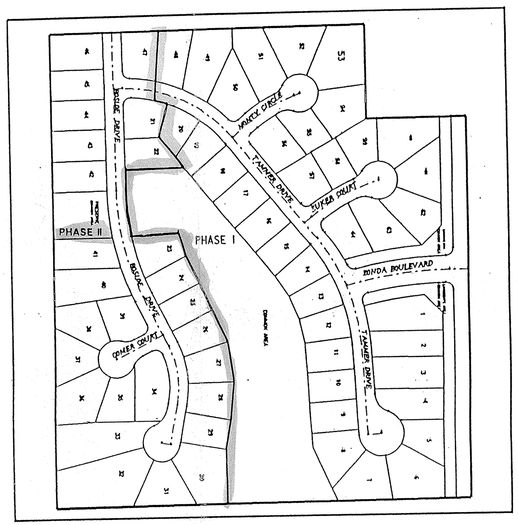
SHEET NO.	DESCRIPTION
1	TITLE SHEET
~~2~~ N/A	SPECIFICATION SHEET
3	SITE UTILITY PLAN
~~4~~ N/A	GRADING PLAN
~~5~~ T N/A	STREET PLAN & PROFILES
8-10	SANITARY PLAN & PROFILES
11-13	STORM PLAN & PROFILES
~~14~~ N/A	ENTRANCE DETAIL
~~15~~ N/A	CUL-DE-SAC DETAILS
~~16~~ N/A	INTERSECTION DETAILS
~~17~~ N/A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

SHEET NO.	REVISIONS	INITIAL RELEASE 9-8-92
2,8-10, &A	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

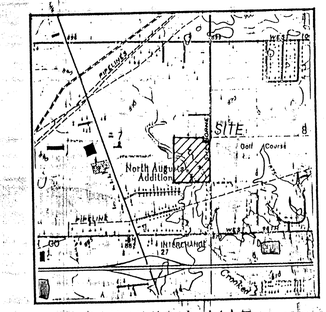
CARMEL, INDIANA 46032

(317) 846-7311

PREPARED BY:

MSE Engineering

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



VICINITY MAP

1-800-382-5544
CALL BEFORE YOU DIG

STEPHEN E. BOURQUEIN NO. S0441 STATE OF INDIANA LAND SURVEYOR

CERTIFIED THIS 8th DAY OF September 1992

STEVE BOURQUEIN
Registered Professional Land Surveyor No. S0441 - Indiana

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

As-built information provided by MSE Corporation, certified this 7th day of July 1995

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

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

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	

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.

SHEET 1 OF ~~19~~ 18

JOB No. F14-0603

SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

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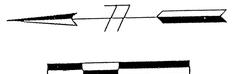

SPRING ARBOR
CURVE DATA

CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
1	15°55'30"	1000.00	139.87	277.94	277.05	S 82°04'35" W
1-A	12°22'35"	965.00	104.63	208.45	208.05	S 83°14'40" W
1-B	13°23'46"	1035.00	121.55	241.99	241.44	S 82°41'52" W
2	25°21'08"	500.00	159.50	308.80	303.91	N 21°43'01" W
2-A	25°21'08"	500.00	159.50	308.80	303.91	N 21°43'01" W
2-B	25°21'08"	500.00	159.50	308.80	303.91	N 21°43'01" W
2-C	25°21'08"	475.00	151.53	293.56	288.72	N 21°43'01" W
2-D	11°29'57"	525.00	52.86	105.37	105.19	N 33°29'36" W
2-E	12°10'11"	525.00	55.91	111.51	111.30	N 10°06'32" W
3	51°10'27"	375.00	179.57	334.94	323.91	N 64°59'48" W
3-A	47°30'04"	350.00	154.01	290.17	281.93	N 63°09'37" W
3-B	42°08'18"	400.00	154.10	294.18	287.60	N 66°31'46" W
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" W
5-A	36°48'21"	225.00	74.86	144.54	142.06	N 08°03'53" W
5-B	15°08'41"	275.00	36.56	72.69	72.48	N 09°49'55" W
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"	475.00	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" W
7-B	15°00'38"	500.00	65.87	130.99	130.62	S 60°17'59" W
8	20°00'00"	375.00	66.12	130.90	130.24	S 50°35'25" W
8-A	11°22'45"	350.00	34.87	69.51	69.40	S 56°16'48" W
8-B	13°15'30"	400.00	46.49	92.56	92.35	S 57°13'11" W
9	90°36'23"	20.00	20.21	31.63	28.43	S 45°15'51" E
10	89°27'25"	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 20°23'52" E
12	75°59'24"	20.00	15.62	26.53	24.62	N 65°54'20" W
13	68°40'35"	50.00	34.16	59.93	56.41	N 38°21'44" W
14	248°40'35"	60.00	------	260.41	93.00	N 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" E
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" W
19	46°19'09"	48.00	20.53	38.80	37.76	S 89°43'53" W
20	90°00'00"	20.00	20.00	31.42	28.28	S 05°35'25" W
21	83°50'58"	20.00	17.96	29.27	26.73	S 87°29'06" E
22	37°45'19"	48.00	16.41	31.63	31.06	N 44°58'16" W
23	263°15'46"	50.00	------	229.74	74.74	N 22°16'31" W
24	47°23'11"	48.00	21.06	39.70	38.58	S 85°39'46" W
25	87°06'53"	20.00	19.02	30.41	27.56	N 44°08'29" W
26	93°40'23"	20.00	21.33	32.70	29.18	S 46°15'10" W
27	98°58'05"	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" W
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	54.85	N 45°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	

SHELBORNE ROAD

WIDEN EXISTING PAVEMENT 2'

EXISTING TREES TO BE PRESERVED WHEN POSSIBLE

1004.00' S 00°02'20"W E. LINE, NE 1/4, S.E. 1/4 SEC. 7-17-3

LANDA BOULEVARD

LANDSCAPE AREA COMMON AREA (19758 SFT)

LANDSCAPE AREA COMMON AREA (24576 SFT)

LANDSCAPE ISLAND

61 (13337 SFT) 62 (13609 SFT) 63 (14825 SFT) 64 (11381 SFT) 60 (16462 SFT) 59 (10543 SFT) 58 (8705 SFT) 57 (11427 SFT) 56 (12614 SFT) 55 (9766 SFT) 54 (14471 SFT) 53 (21297 SFT) 52 (14784 SFT) 51 (11766 SFT) 50 (13865 SFT) 49 (11759 SFT) 48 (12231 SFT) 47 (11812 SFT) 46 (13414 SFT) 45 (11372 SFT) 44 (14411 SFT) 43 (11581 SFT) 42 (11732 SFT) 41 (13419 SFT) 40 (16689 SFT) 39 (11951 SFT) 38 (12967 SFT) 37 (12016 SFT) 36 (15804 SFT) 35 (10379 SFT) 34 (15145 SFT) 33 (22043 SFT) 32 (29301 SFT) 31 (12782 SFT) 30 (18462 SFT) 29 (10900 SFT) 28 (10704 SFT) 27 (11031 SFT) 26 (10602 SFT) 25 (10000 SFT) 24 (9978 SFT) 23 (11178 SFT) 22 (10016 SFT) 21 (10809 SFT) 20 (8512 SFT) 19 (9971 SFT) 18 (11250 SFT) 17 (11250 SFT) 16 (10625 SFT) 15 (10000 SFT) 14 (9861 SFT) 13 (9859 SFT) 12 (9847 SFT) 11 (10338 SFT) 10 (10000 SFT) 9 (10000 SFT) 8 (13272 SFT) 7 (11457 SFT) 6 (17171 SFT) 5 (10408 SFT) 4 (12952 SFT) 3 (14884 SFT) 2 (14378 SFT) 1 (16312 SFT)

SUMMER DRIVE

BOSLOE DRIVE

SUMMER COURT

BOSLOE COURT

IRREG. D. E. (DETENTION AREA) 100 YR. STORM ELEV. 873.1

PRESERVE COMMON AREA (19629 SFT)

PRESERVE COMMON AREA (18466 SFT)

IRREG. & D. E.

100 YR. STORM ELEV. 873.1

ELLIPTICAL PIPES

45'-42"x36" BOX CULVERT

EMBANKMENT FOR DETENTION SYSTEM

TYPICAL LATERAL LOCATION DETAIL

NOTE: LATERAL LOCATION AS SHOWN UNLESS OTHERWISE NOTED.

SWALE REQUIRED

20' GREENBELT BUFFER

20' B.S.L.

22' B.S.L.

30' D.E.

15' U. & D. E.

8' U. & D. E.

10' U. & D. E.

20' U. & D. E.

TURF SWALE 18" MIN. WIDTH 20'

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' N. 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. Bosloe Drive Cul-de-sac

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

STEPHEN E. BOURONE 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

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

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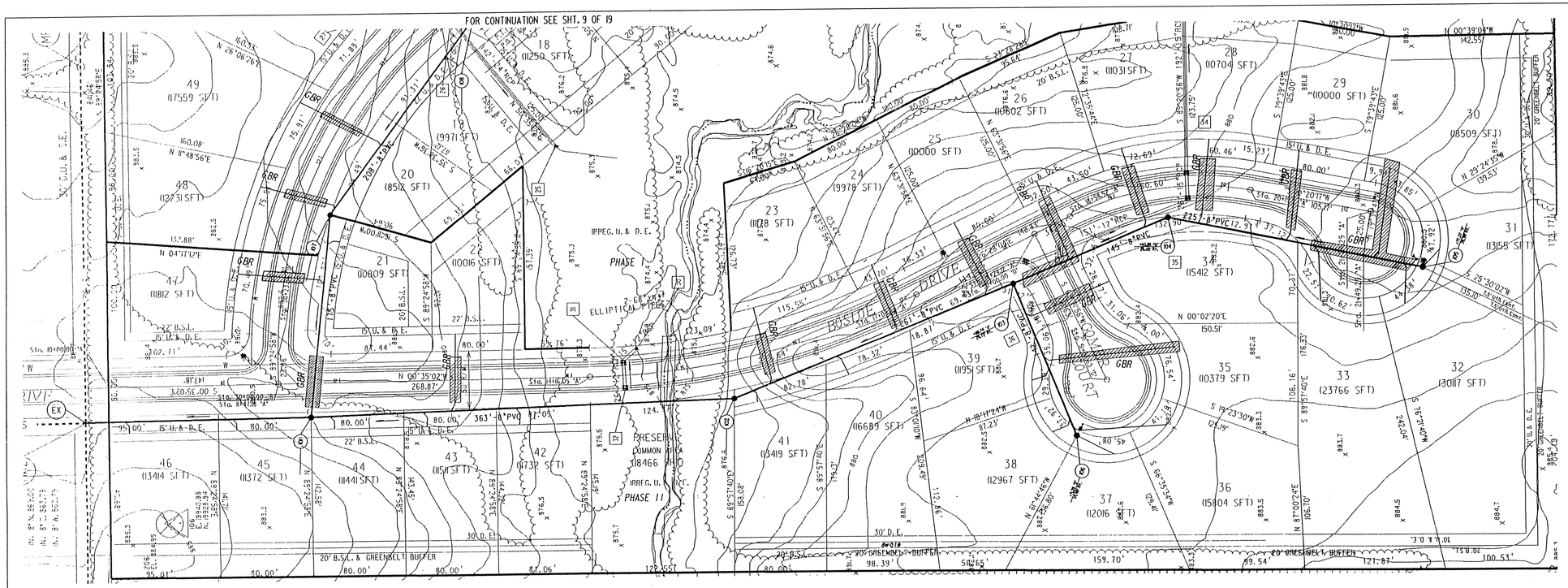
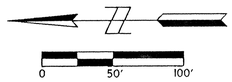




NOTES:

~~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.

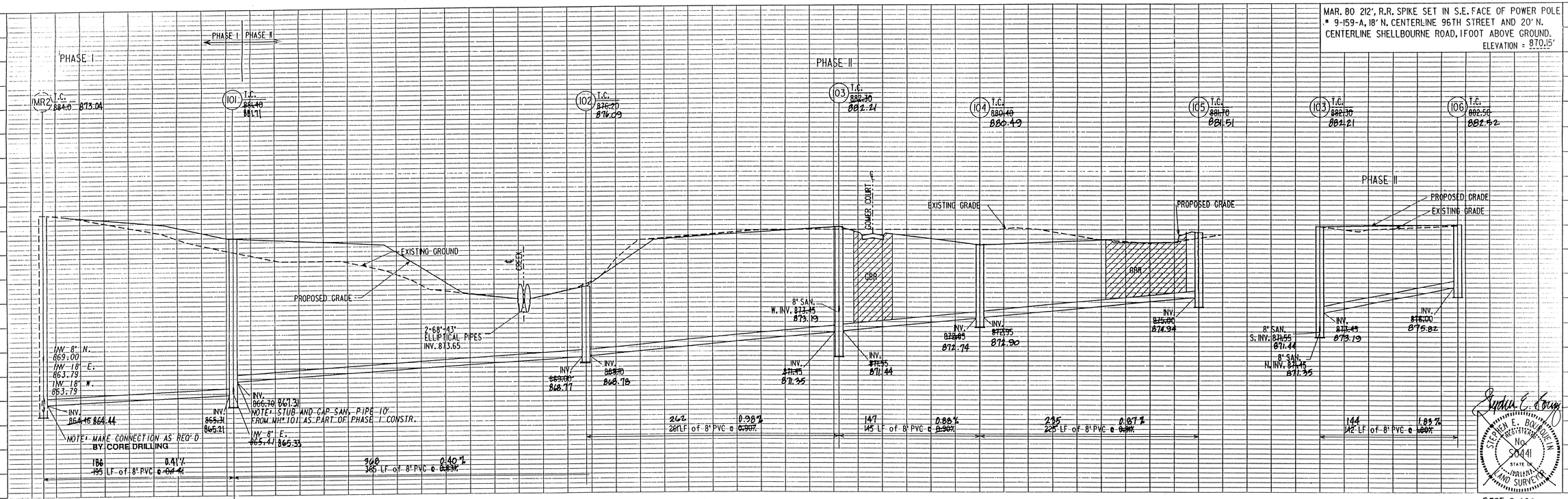
GRANULAR BACKFILL REQUIRED

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'



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

SEPT. 8, 1992

MSE Engineering

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

JEFFREY A. MEYERROSE 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. Meyerrose
Registered Land Surveyor No. 890003-IN

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
114-0603		1	1	40603P5	40603P5

Sanitary and Storm AS-BUILTS

3 8

PHASE I & II
SANITARY PLAN & PROFILES

FILED
SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

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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.

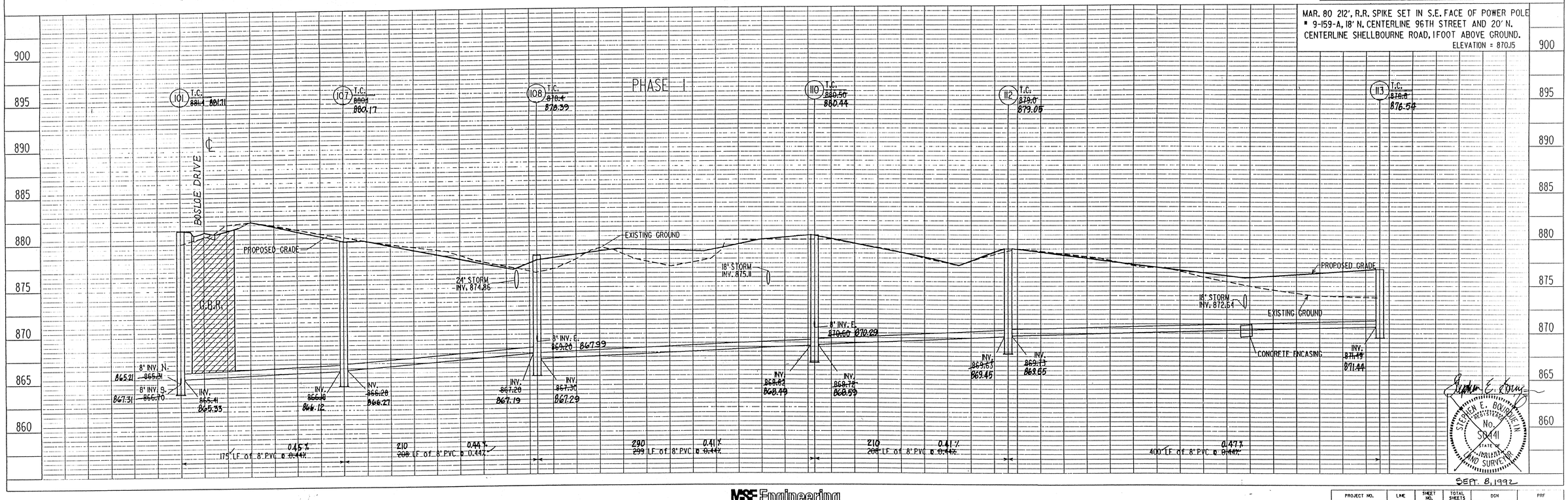
GRANULAR BACKFILL REQUIRED

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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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, 1FOOT ABOVE GROUND.
ELEVATION = 870.15

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

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

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
114-0603		~~7~~ 5	~~7~~ 8	40603P7.D	40603P7.P

Sanitary and Storm AS-BUILTS

PHASE I
~~SANITARY PLAN & PROFILES~~

FILED SEP 25 1995 OFFICE OF HAMILTON COUNTY SURVEYOR

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

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

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HAMILTON COUNTY INDIANA 1823

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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 REGUIRED

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, 1FOOT ABOVE GROUND.
ELEVATION = 870.15

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

SEPT. 8, 1992

MSE Engineering

REV. INV ELEV. 9/16/92

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

SPRING ARBOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
114-0603		~~7~~ 6	~~10~~ 8	40603P8	40603P8

Sanitary and Storm AS-BUILTS

PHASE I

STORM PLAN & PROFILES

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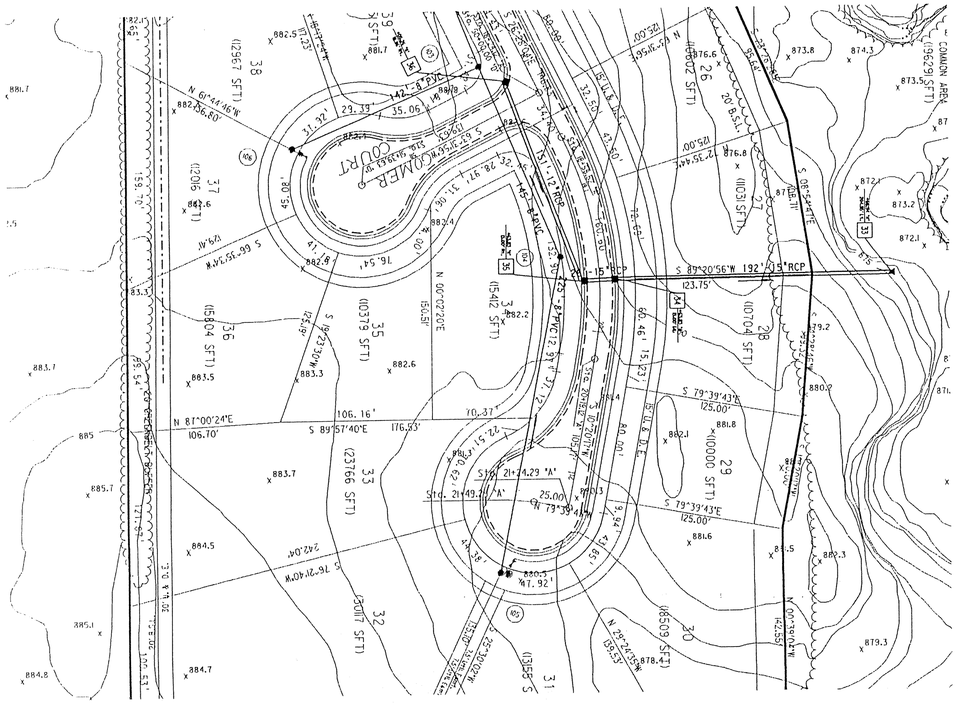

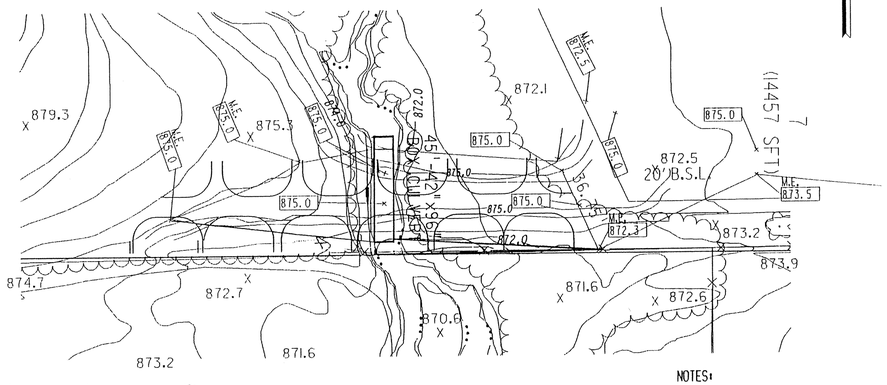

EMBANKMENT DETAIL

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Entry Date: 11-26-03

Entered by: JDH

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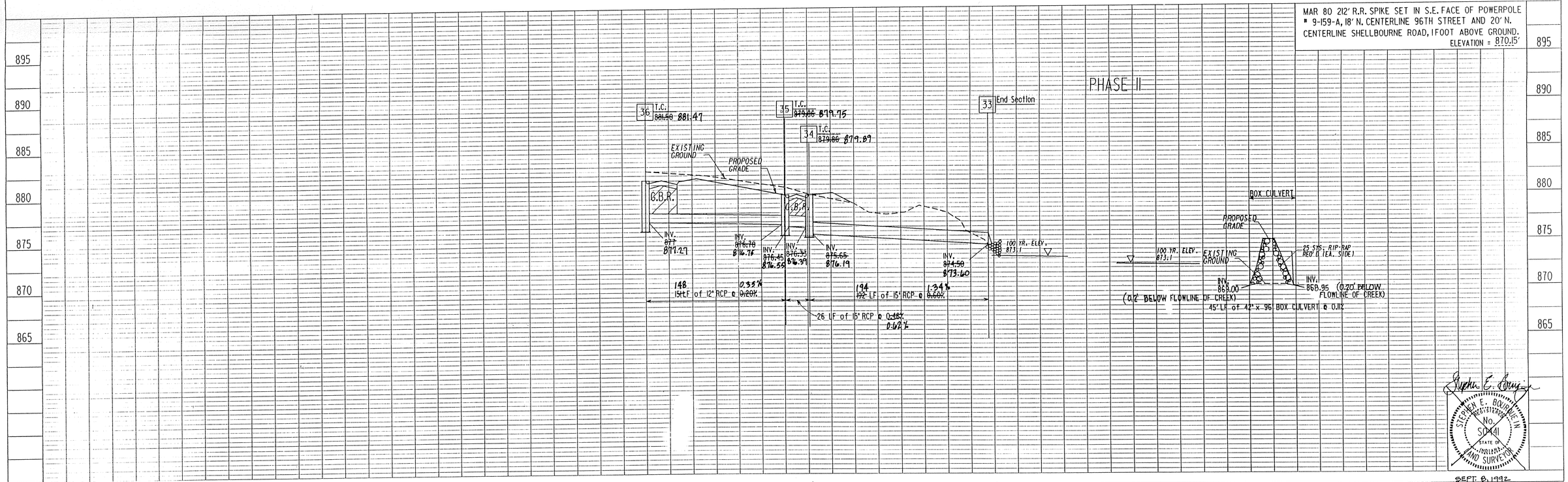
GRANULAR BACKFILL REQUIRED

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 = 870.15'



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

SEPT. 8, 1992

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

MSE Engineering

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

SPRING ARBOR

Sanitary and Storm AS-BUILTS

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
84-0603		7	8	40603a9	40603a9

10/16/92 Rev. Box Culvert Inv.

FILED SEP 25 1995 OFFICE OF HAMILTON COUNTY SURVEYOR

PHASE II STORM PLAN & PROFILES

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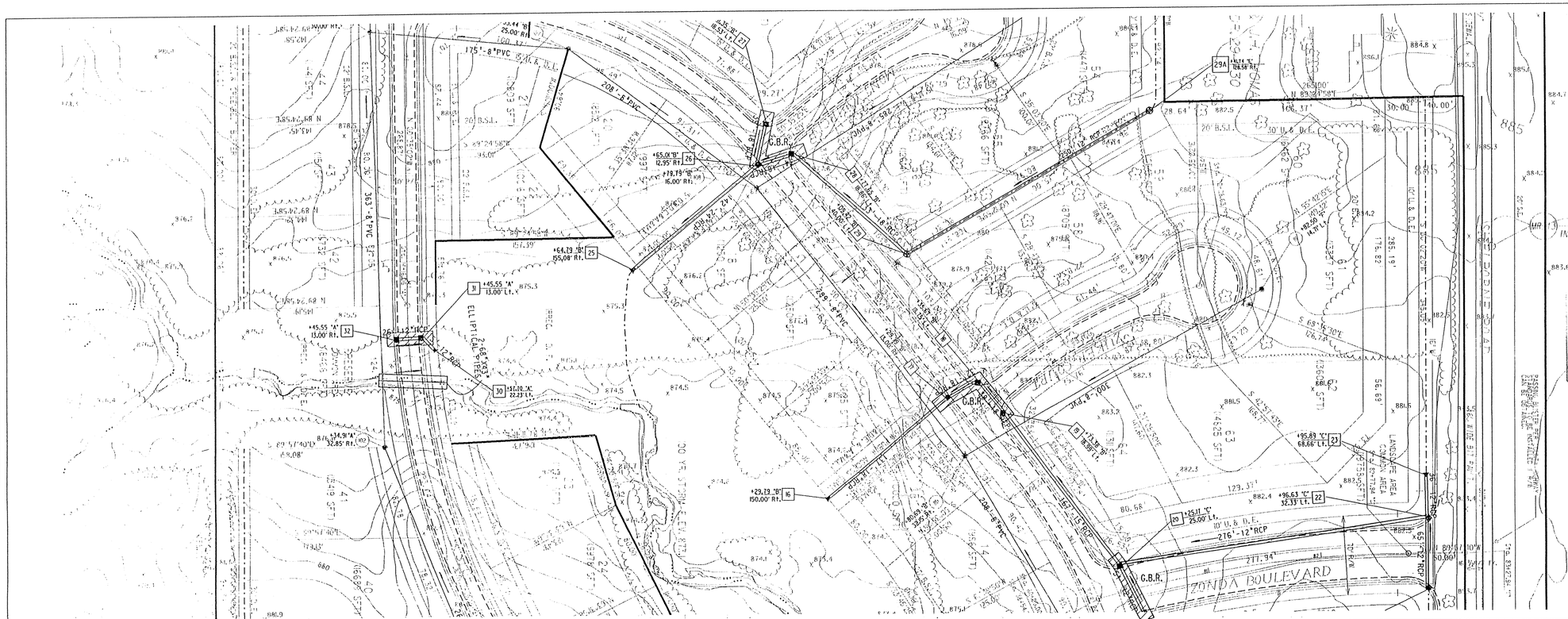

HAMILTON COUNTY INDIANA 1823

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Entry Date: 11-26-03

Entered by: JDH

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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 = ~~870.15'~~

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

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

JEFFREY A. MEYEROSE — REGISTERED — No. 890003 — STATE OF INDIANA — LAND SURVEYOR

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

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

STEVEN E. BOULDEN — No. S0441 — STATE OF INDIANA — REGISTERED LAND SURVEYOR

SEPT. 8, 1992

SPRING ARBOR

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

FILED
SEP 25 1995
OFFICE OF HAMILTON COUNTY SURVEYOR

Sanitary and Storm AS-BUILTS

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

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