

Drain: SPRINGMILL PONDS DRAIN **Drain #:** 240
Improvement/Arm: SPRINGMILL PONDS-SECTION 2
Operator: JOH **Date:** 7-12-04
Drain Classification: Urban/Rural **Year Installed:** 1991

GIS Drain Input Checklist

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

**Gasb 34 Footages for Historical Cost
Drain Length Log**

Drain-Improvement: SPRINGMILL POND DRAIN - SPRINGMILL POND - SECTION 2

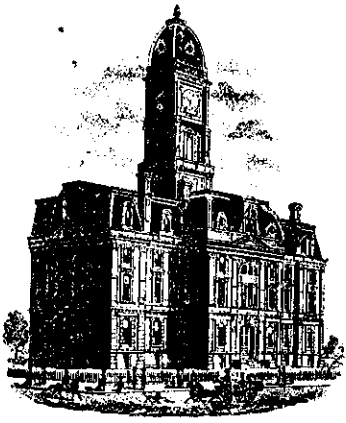
Drain Type:	Size:	Length <i>SURVAYOR PLAN</i>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
	6"	2580'	2580'	0'		
	12"	382'	382'	0'		
	15"	540'	540'	0'		
	18"	544'	544'	0'		
	21"	322'	322'	0'		
	24"	683'	688'	75'		
	27"	1220'	1220'	0'		
	30"	1280'	1253'	-27'		
	36"	16'	35'	19'		

Sum: 7567' 7564' -3'

Final Report: _____

Comments:

SR AND AB DISAGREE ON 24", 30", AND 36" RCP LENGTHS



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

776-9626

942 Maple Avenue

Noblesville, Indiana 46060

~~October 11, 1990~~

TO: Hamilton County Drainage Board

RE: Springmill Ponds, Section 2 Drain

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Springmill Ponds, Section 2 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 benefitted. The drain will consist of the following:

6"	SSD	2580ft	21"	RCP	322ft
12"	RCP	382ft	24"	RCP	683ft
15"	RCP	540ft	27"	RCP	1220ft
18"	RCP	544ft	30"	RCP	1288ft

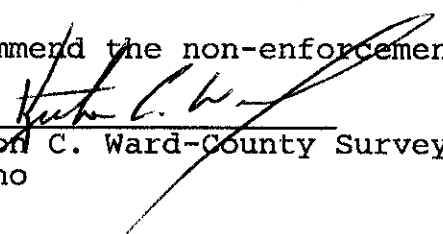
The total length of the drain will be 7559 feet.

Pond 1 in the common area is not to be part of the regulated drain. The inlet and outlet pipes are maintained as regulated drain, but the pond itself is to be maintained by the property owners association.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I recommend a maintenance assessment of \$25.00 per lot, \$5.00 per acre for roadways. With this assessment the total annual assessment for the drain/this section will be 1492.³⁰.

Lots 14 thru 23, 25 and 26 are also to be assessed the reconstruction or construction of the Springmill Crossing or Village Farms Drainage. However, for maintenance purpose, these lots are proposed to be assessed to the Springmill Pon drain only. All lots at some time in the future will be assessed for reconstruction and maintenance of the Osborn-Collins Drain.

I recommend a hearing be set for December 1990. At that time I recommend the non-enforcement request be approved by the Board.


 Kenton C. Ward-County Surveyor
 KCW/no

XXXXX
XXXXXX

UNION STATE BANK

21 Jefferson Square • P. O. Box ~~998~~ • Carmel, Indiana 46032
1710

TELEPHONE
AREA CODE 317
846-7381

IRREVOCABLE
LETTER OF CREDIT NO. **1824**

DATE **September 28, 1990**

BENEFICIARY

Hamilton County Commissioners
and the City of Carmel
Hamilton County Courthouse
Noblesville, Indiana 46060

Storm Sewers - Springmill Ponds,
Section II - 56 lots

FOR ACCOUNT OF

Dart Development, Inc.
1841 Ludlow Avenue
Indianapolis, Indiana 46201

GENTLEMEN:

WE HEREBY ESTABLISH OUR CREDIT IN YOUR FAVOR, FOR THE ACCOUNT INDICATED ABOVE, FOR A SUM OR SUMS NOT EXCEEDING AN AGGREGATE AMOUNT OF **Seventy-four Thousand, Nine Hundred and no/100 Dollars (\$74,900.00)**

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


Beneficiary's signed certificate stating that the applicant has failed to construct the necessary storm sewers at the applicant's Springmill Ponds, Section II Subdivision.

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 September 28, 1991

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 ~~1974~~ (Revision), International Chamber of Commerce, Publication ~~290~~ ⁴⁰⁰.

VERY TRULY YOURS,



AUTHORIZED SIGNATURE
George F. Burrell, President

TITLE

~~XXXX~~
~~XXXXXX~~

UNION STATE BANK

21 Jefferson Square • P. O. Box ~~300X~~ • Carmel, Indiana 46032
1710

TELEPHONE
AREA CODE 317
846-7381

IRREVOCABLE
LETTER OF CREDIT NO. **1950**

DATE **September 28, 1990**

BENEFICIARY

Hamilton County Commissioners
and the City of Carmel
Hamilton County Courthouse
Noblesville, Indiana 46060

Sub-surface drains - Springmill
Ponds, Section II - 56 lots

FOR ACCOUNT OF

Dart Development, Inc.
1841 Ludlow Avenue
Indianapolis, Indiana 46201

GENTLEMEN:

WE HEREBY ESTABLISH OUR CREDIT IN YOUR FAVOR, FOR THE ACCOUNT INDICATED ABOVE, FOR A SUM OR SUMS NOT EXCEEDING AN AGGREGATE AMOUNT OF **Thirty-four Thousand, Seven Hundred Ninety and no/100 Dollars (\$34,790.00)**

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


Beneficiary's signed certificate stating that the applicant has failed to construct the necessary sub-surface drains at the applicant's Springmill Ponds, Section II Subdivision.

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 September 28, 1991

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 ~~XXXX~~ Revision), International Chamber of Commerce, Publication ~~290~~ **400**.

VERY TRULY YOURS,


AUTHORIZED SIGNATURE

George F. Burrell, President
TITLE

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR
RE: Springmill Ponds Section II

I hereby certify that:

- 1.) I am a Registered Land Surveyor in the State of Indiana,
- 2.) I am familiar with the plans and specifications for the above referenced subdivision,
- 3.) I have personally observed and supervised the completion of the Drainage Facilities for the above referenced subdivision, and
- 4.) To the best of my knowledge, information and belief, the Drainage Facilities within the subdivision has been installed and completed in conformity with all plans and specifications.

Signature: _____

Stephen E. Bourquein

Date: July 19, 1991

Type or Printed Name: Stephen Bourquein

Business Address: 501 Congressional Blvd. Suite 110
Carmel, IN 46032

Telephone: (317) 843-5080

INDIANA REGISTRATION NUMBER

50441

SEAL



FILED

JUL 23 1991

OFFICE OF HAMILTON COUNTY SURVEYOR



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

Re: **Springmill Ponds Drain - Sec 2 Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Springmill Ponds Sec 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 October 11, 1990. The changes are as follows:
Structure 49B- Structure 49C was relocated for Buckhorn Subdivision. Structure 49A -Structure 49B now consists of 30" RCP at 567 feet. Structure 49B - 49C now consists of 16 feet of 36" RCP.

The length of the drain due to the changes described above is now 7567 feet.

The non-enforcement was approved by the Board at its meeting on February 19, 1991.

The bond or letter of credit from Union State Bank, numbers 1950 and 1824, dated September 28, 1990, in the amounts of \$34,790 and \$74,900, have been recommended for release in a letter to the Commissioners dated July 25, 1991.

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

Sincerely,

Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

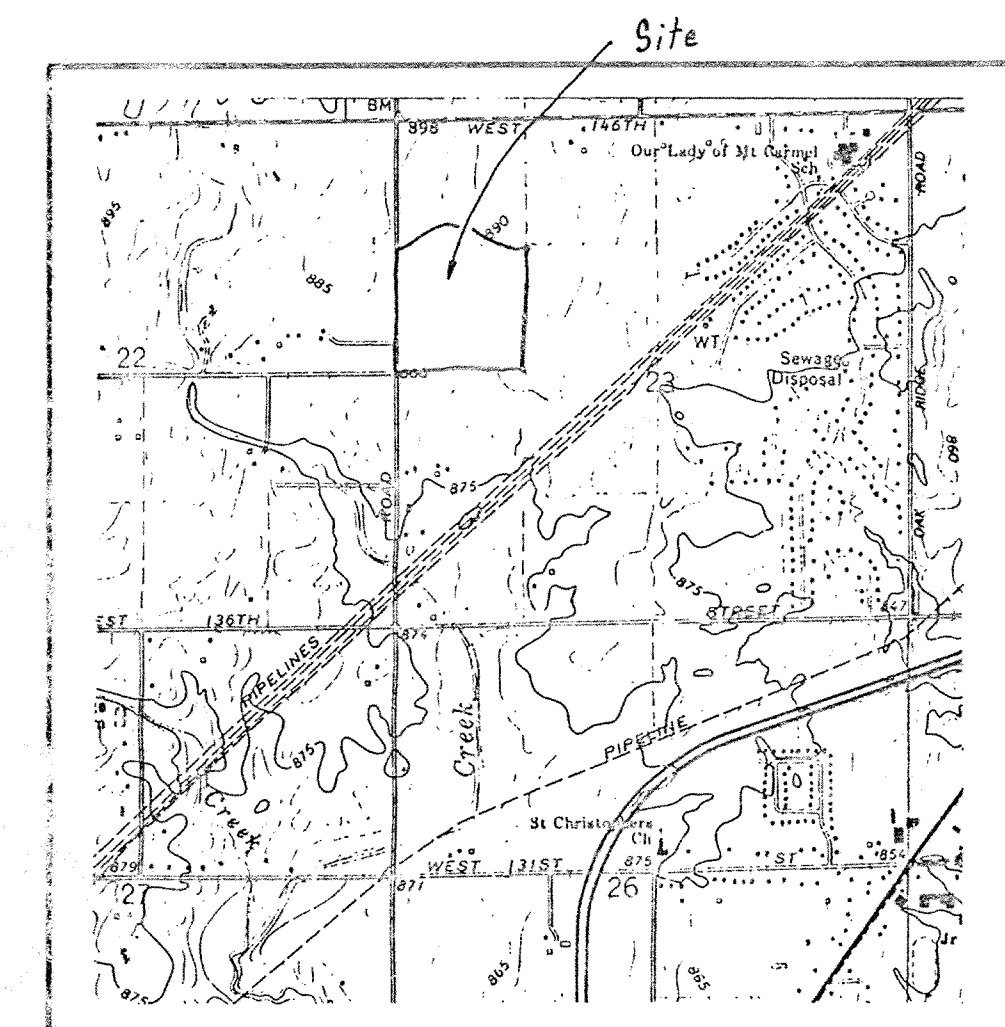
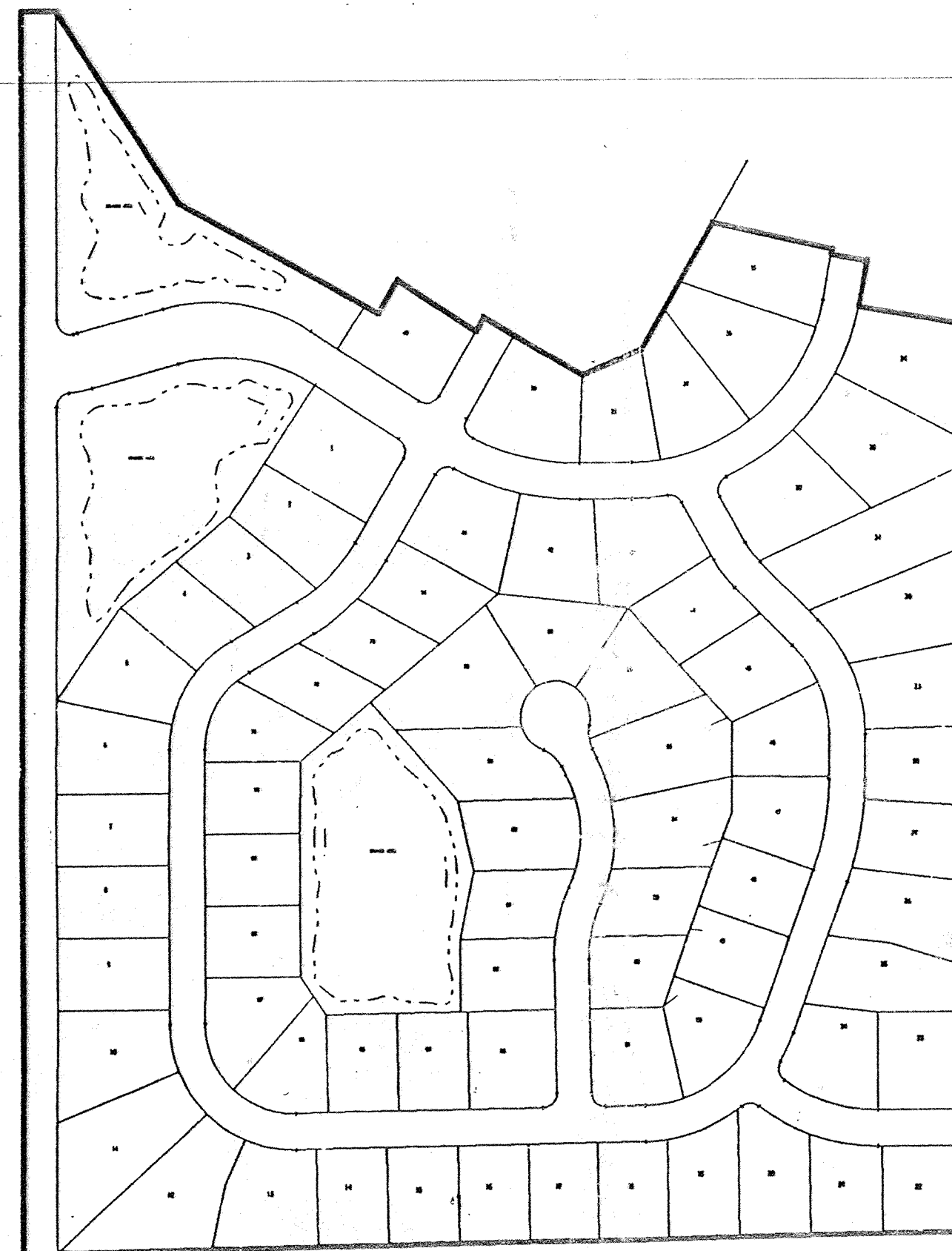
SITE CONSTRUCTION PLANS FOR SPRINGMILL PONDS SECTION I & II

Storm
AS-BUILTS

7-19-91
BEL

SHEET No.	DESCRIPTION
1	TITLE SHEET
2-3	DEVELOPMENT PLANS
4-8	STORM & STREET PLANS & PROFILES
9	OFFSITE DRAINAGE PLAN

SHEET No.	DESCRIPTION
2 and 4	0-15-00 Revise Grades - Relocate Storm Str's 0-12 Delete San Str. 03
5 and 7-0	0-15-00 Rev. Str. Elev., T.C.s and Invs.
6	0-15-00 Rev. Str. Elevs., T.C.s, Invs., Pipe Sizes, and Str. 0-12
10-10, 8-11	0-15-00 Revise T.C.s and Invs.
10	0-15-00 Revise T.C.s, Invs., and Delete Str. # 03
15 & 16	0-15-00 Revise Grades
19	0-15-00 Revise Offsite Storm Sewer Location
3, 4, 5, 16	0-19-00 Add Drainage along Springmill Rd.
22	0-19-00 Add Erection Mats and Mound Seeding along Springmill Rd.
19	0-24-00 Revise Location of Offsite Drainage
3, 10, 17, 18	1-0-23-00 Rev. LHM Station Location - Add Str. 02-0-04 Rev. Structure Data Table
20	1-0-20-00 Add Safety Box Detail



BASE MAP OF VICINITY

PLANS PREPARED FOR
DART DEVELOPMENT INC.
350 GRADLE DRIVE
CARMEL, IN 46032
(317) 844-4451

ACRES: 41.86
LOTS: 74
LOTS/ACRE: 1.77

SHEET 1 OF 229
JOB No. 114-0384

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.

PREPARED BY

MSE Engineering
MSE CORPORATION
501 CONGRESSIONAL BOULEVARD
SUITE 110
CARMEL, IN 46032
317 843-5000
317 843-5009 FAX

CERTIFIED THIS 28th DAY OF August 1990

Dennis M. Neidigh
DENNIS M. NEIDIGH
Registered Professional Engineer No. 13325 - Indiana



DRAWING NUMBER
Springmill Ponds Sec 1+2
1 of 3 # 210

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
PROFESSIONAL SEAL OF STATE OF CALIFORNIA

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
PROFESSIONAL SEAL OF STATE OF CALIFORNIA

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PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
PROFESSIONAL SEAL OF STATE OF CALIFORNIA

Revisions and Dates	
9-15-90	Rev. Grades, Delta Str 1,2 & B3
9/18/90	Add Drainage along Springmill Rd.
10/23/90	Rev. Lift Station Location Add Str. 50 & 51
10/28/90	Rev. Structure Date Table

Designed by: B.E.H.
 Drawn by: M.A.L.
 Checked by:
 Approved by:
 Date:
 State of California Professional Engineer
 License No. 13325

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

Site DEVELOPMENT PLAN
SPRINGMILL PONDS
 SECTIONS I &
 Scales: 1" = 50' Job No. 114-0384 Sheet

SPRINGMILL PONDS SECTION I
 CURVE DATA

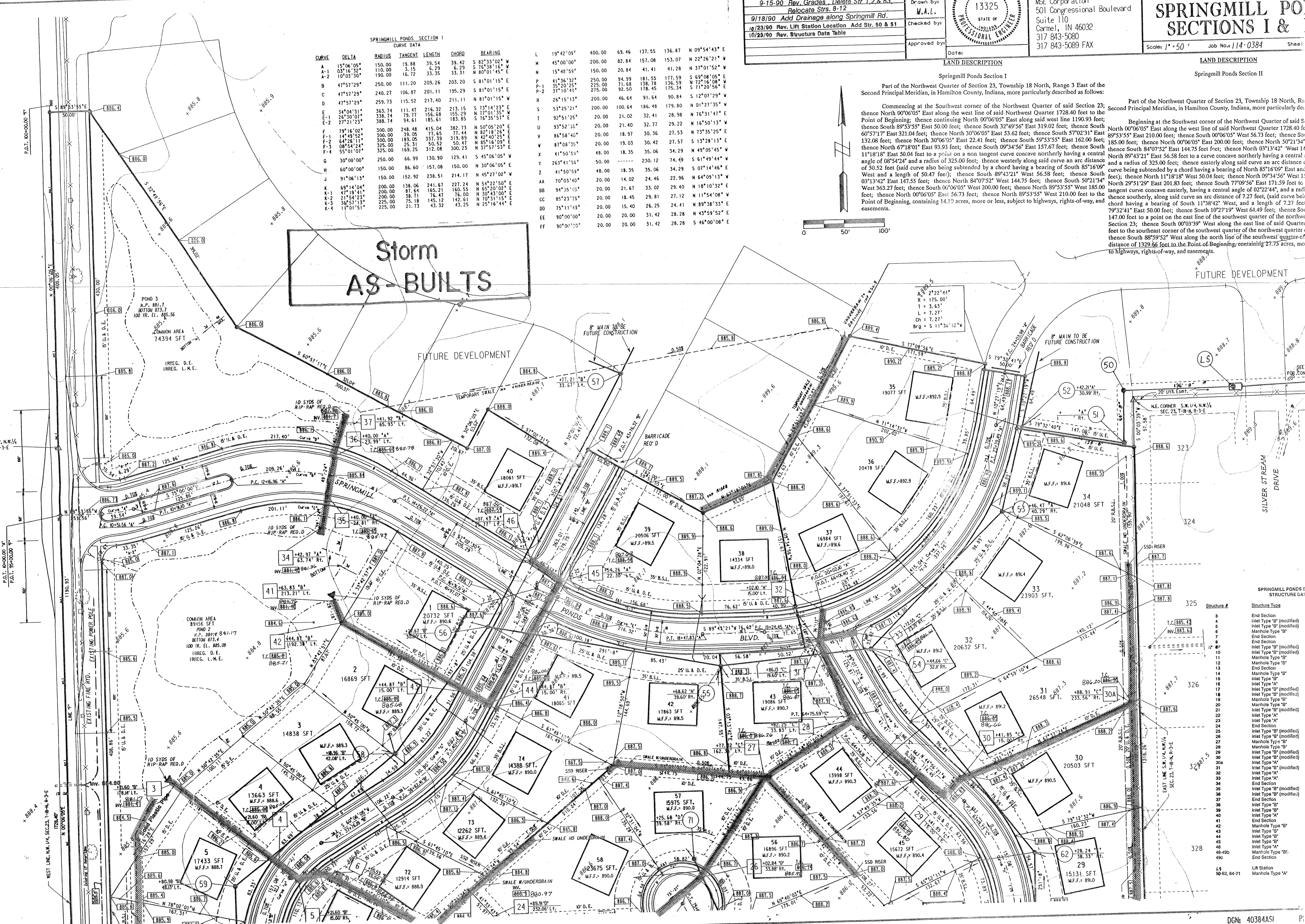
CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
A	15°06'05"	150.00	19.88	39.54	39.42	S 82°33'02" W
A-1	03°16'32"	110.00	3.15	6.29	6.29	S 76°38'16" W
A-2	10°03'30"	190.00	16.72	33.35	33.31	N 80°01'45" E
B	47°57'29"	250.00	111.20	209.26	203.20	S 81°01'15" E
C	47°57'29"	240.27	106.87	201.11	195.29	S 81°01'15" E
D	47°57'29"	259.73	115.52	217.40	211.11	N 81°01'15" W
E	34°04'31"	363.74	111.47	216.32	213.15	S 73°14'23" E
E-1	26°30'07"	338.74	75.17	156.58	155.29	N 77°01'35" W
E-2	27°21'23"	388.74	94.61	185.61	183.85	S 76°35'51" E
F	79°16'02"	300.00	248.48	415.04	382.73	N 50°05'20" E
F-1	14°49'52"	300.00	39.05	77.65	77.44	N 82°18'26" E
F-2	64°26'11"	300.00	185.05	337.39	319.89	N 45°40'25" E
F-3	08°54'24"	325.00	23.31	50.52	50.47	N 85°16'09" E
F-4	55°01'07"	325.00	169.25	312.08	300.23	N 37°57'53" E
G	30°00'00"	250.00	66.99	130.90	129.41	S 45°06'05" W
H	60°00'00"	150.00	86.60	157.08	150.00	N 30°06'05" E
J	91°06'13"	150.00	152.92	238.51	214.17	N 45°27'02" W
K	69°14'04"	200.00	138.06	241.67	227.24	N 54°22'50" E
K-1	47°19'41"	200.00	87.64	165.21	160.55	N 55°20'02" E
K-2	21°54'23"	200.00	38.71	76.47	76.00	N 30°43'00" E
K-3	36°57'13"	225.00	75.18	145.12	142.51	N 10°11'15" E
K-4	17°01'51"	225.00	21.13	43.32	43.25	N 25°16'44" E
L	19°42'09"	400.00	69.46	137.55	136.87	N 09°54'43" E
M	45°00'00"	200.00	82.84	157.08	153.07	N 22°26'21" W
N	15°48'59"	150.00	20.84	41.41	41.28	N 37°01'52" W
P	41°36'32"	250.00	94.99	181.55	177.59	S 69°08'05" E
P-1	35°20'25"	275.00	71.68	138.78	136.59	N 72°16'08" W
P-2	37°10'49"	275.00	92.50	178.45	175.34	S 71°20'56" E
R	26°15'13"	200.00	46.64	91.64	90.84	S 12°07'29" W
S	53°25'21"	200.00	100.64	186.48	179.80	N 01°27'35" W
T	92°51'25"	20.00	21.02	32.41	28.98	N 76°31'47" E
U	93°52'35"	20.00	21.40	32.77	29.22	N 16°50'13" W
V	86°58'40"	20.00	18.97	30.36	27.53	N 73°35'25" E
W	87°08'35"	20.00	19.03	30.42	27.57	S 13°28'13" E
X	41°50'59"	48.00	18.35	35.06	34.29	N 49°05'45" W
Y	263°41'59"	50.00	-----	230.12	74.49	S 61°49'44" W
Z	41°50'59"	48.00	18.35	35.06	34.29	S 07°14'46" E
AA	70°03'40"	20.00	14.02	24.46	22.96	N 64°09'13" W
BB	94°35'49"	20.00	21.67	33.02	29.40	N 18°10'32" E
CC	85°23'35"	20.00	18.45	29.81	27.12	N 11°54'08" W
DD	75°11'49"	20.00	15.40	26.25	24.41	N 89°38'33" E
EE	90°00'00"	20.00	20.00	31.42	28.28	N 43°59'52" E
FF	90°00'00"	20.00	20.00	31.42	28.28	S 46°00'08" E

Part of the Northwest Quarter of Section 23, Township 18 North, Range 3 East of the Second Principal Meridian, in Hamilton County, Indiana, more particularly described as follows:

Commencing at the Southwest corner of the Northwest Quarter of said Section 23; thence North 00°06'05" East along the west line of said Northwest Quarter 1728.40 feet to the Point of Beginning; thence continuing North 00°06'05" East along said west line 1190.93 feet; thence South 89°53'55" East 50.00 feet; thence South 32°49'56" East 319.02 feet; thence South 60°57'17" East 321.04 feet; thence North 30°06'05" East 53.62 feet; thence South 57°02'31" East 132.08 feet; thence North 30°06'05" East 22.41 feet; thence South 59°53'55" East 162.00 feet; thence North 67°18'01" East 93.93 feet; thence South 09°34'25" East 157.67 feet; thence South 11°18'18" East 50.04 feet to a point on a non tangent curve concave northerly having a central angle of 88°54'24" and a radius of 325.00 feet; thence westerly along said curve an arc distance of 50.52 feet (said curve also being subtended by a chord having a bearing of South 85°16'09" West and a length of 50.47 feet); thence South 89°43'21" West 56.58 feet; thence South 03°13'42" East 147.55 feet; thence North 84°07'52" West 144.75 feet; thence South 50°21'34" West 363.27 feet; thence South 00°06'05" West 200.00 feet; thence North 89°53'55" West 185.00 feet; thence North 00°06'05" East 56.73 feet; thence North 89°53'55" West 210.00 feet to the Point of Beginning, containing 14.19 acres, more or less, subject to highways, rights-of-way, and easements.

Part of the Northwest Quarter of Section 23, Township 18 North, Range 3 East of the Second Principal Meridian, in Hamilton County, Indiana, more particularly described as follows:

Beginning at the Southwest corner of the Northwest Quarter of said Section 23; thence North 00°06'05" East along the west line of said Northwest Quarter 1728.40 feet to the Point of Beginning; thence continuing North 00°06'05" East 50.00 feet; thence South 89°53'55" East 50.00 feet; thence North 30°06'05" East 53.62 feet; thence South 57°02'31" East 132.08 feet; thence North 30°06'05" East 22.41 feet; thence South 59°53'55" East 162.00 feet; thence North 67°18'01" East 93.93 feet; thence South 09°34'25" East 157.67 feet; thence South 11°18'18" East 50.04 feet to a point on a non tangent curve concave northerly having a central angle of 88°54'24" and a radius of 325.00 feet; thence westerly along said curve an arc distance of 50.52 feet (said curve also being subtended by a chord having a bearing of South 85°16'09" West and a length of 50.47 feet); thence South 89°43'21" West 56.58 feet; thence South 03°13'42" East 147.55 feet; thence North 84°07'52" West 144.75 feet; thence South 50°21'34" West 363.27 feet; thence South 00°06'05" West 200.00 feet; thence North 89°53'55" West 185.00 feet; thence North 00°06'05" East 56.73 feet; thence North 89°53'55" West 210.00 feet to the Point of Beginning, containing 14.19 acres, more or less, subject to highways, rights-of-way, and easements.



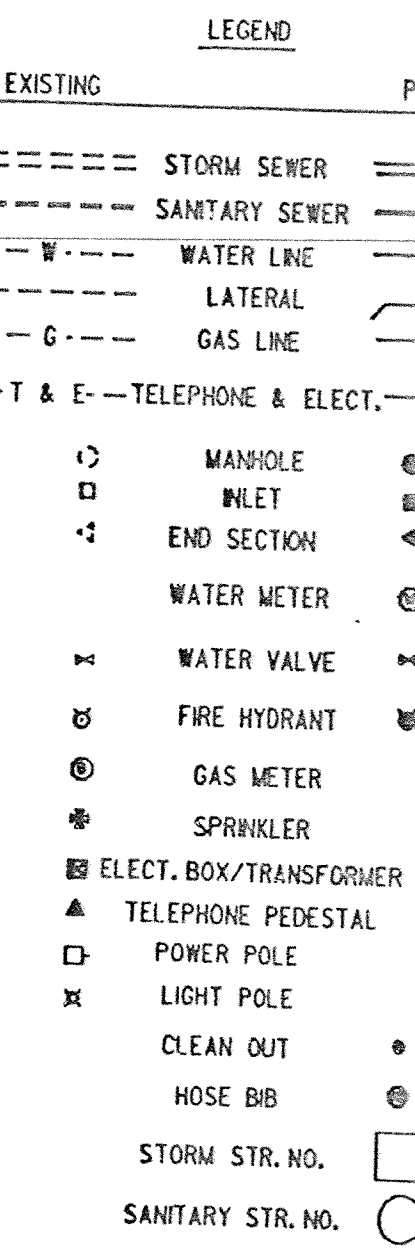
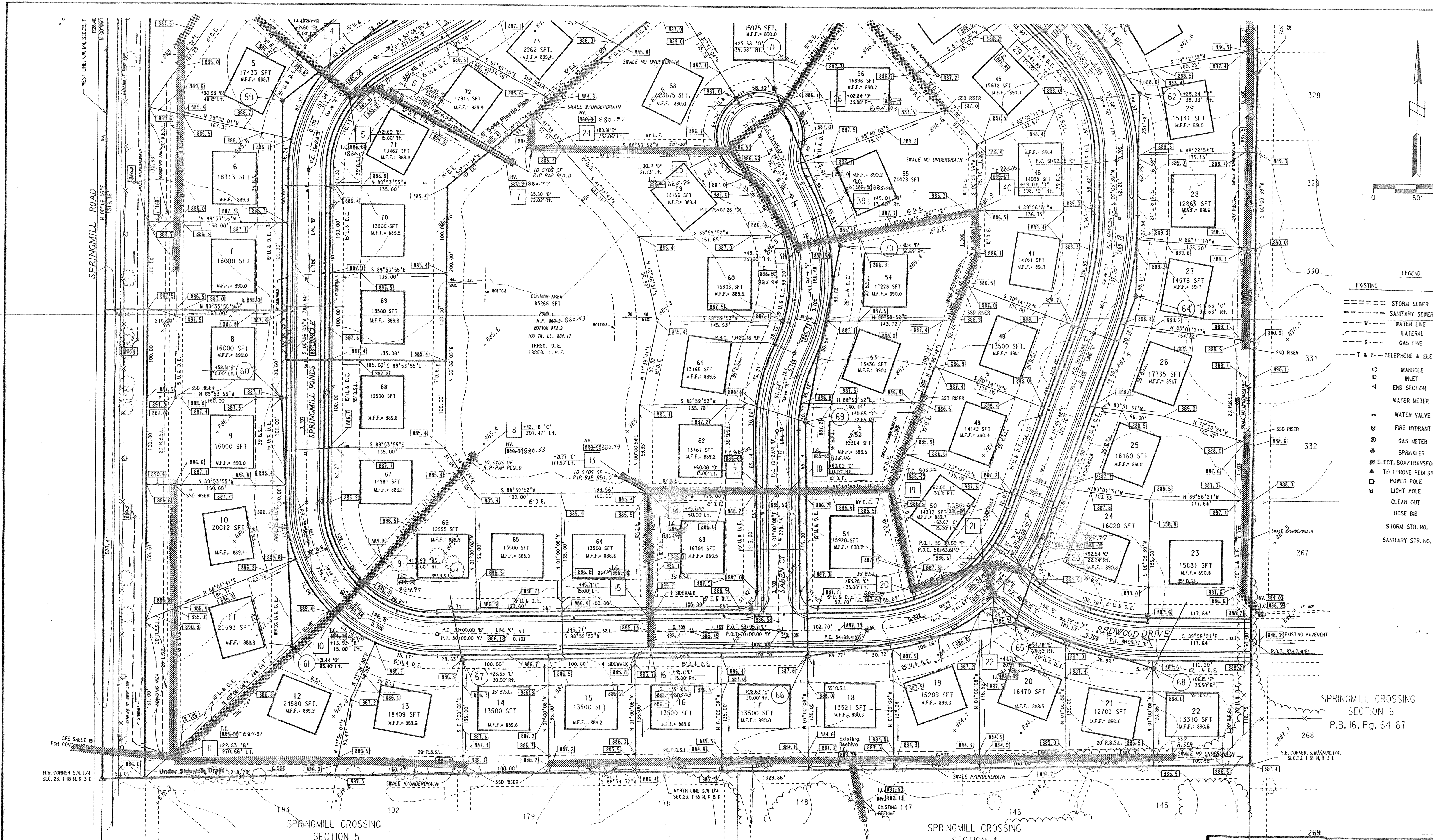
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DRAWING NUMBER
Springmill Ponds Sec 1+2
2 of 3 #240
PLANNED DEVELOPMENT - IRVINE, CALIFORNIA
RECORDED BY NUMBER 0049
FOR THE USE OF THE CITY OF IRVINE

DRAWING NUMBER
PLANNED DEVELOPMENT - IRVINE, CALIFORNIA
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RECORDED BY NUMBER 0049
FOR THE USE OF THE CITY OF IRVINE



UTILITY SINGLE FAMILY

- GENERAL NOTES:
- Roadway shall be constructed with continuous 4" perforated underdrain (to be placed on both sides of roadway).
 - Structures along curb line are installed to the middle of the structure and offset to the back of curb, all other structures are installed and offset to the middle of the structure.
 - All lots are to be served by a minimum 6" sanitary lateral. Laterals shall be installed at a minimum slope of 1%. Laterals shall extend a minimum of 3' beyond the easement line along the front of the lot.
 - Do not scale from these plans for survey field locations. Refer to the master coordinate sheet for the most recent location and coordinates.
 - All points of connection of proposed sanitary and storm sewers to existing systems must be verified from a known benchmark vertically and horizontally before start of construction. Any conflict with the plans must be reported immediately.
 - All known utility locations shown are approximate. It is the contractor's responsibility to contact all affected utilities and the local utilities protection service prior to excavation.
 - The contractor shall verify the existence and location of all existing sanitary lot laterals, as indicated, with the Hamilton Western Utilities, Inc. It shall be the contractor's responsibility that all lots are served by a minimum 6" lateral.

RITE PLAN SINGLE FAMILY

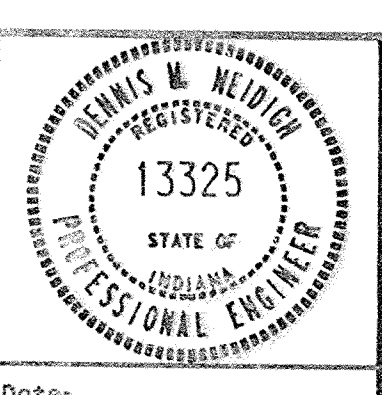
- GENERAL NOTES:
- Curb returns at all roadway intersections to have a radius of 20', measured to the back of curb unless otherwise noted.
 - See Detail Sheet for roadway cross section and pavement section.
 - For intersection and cut-de-sac details see Sheet 15 and 16.
 - See Utility Plan for roadway staking.
 - For Grading Plan, see Sheets 3 and 4.
 - For Utility Plan, see Sheets 3 and 4.
 - See Detail Sheet(s) for typical construction details.
 - All dimensions are to back of curb, unless otherwise noted.
 - Do not scale from these plans for survey field locations. Refer to the master coordinate sheet for the most recent location and coordinates.
 - Ends of all curbs to be chamfered.
 - Right-of-way acquisition required for construction of passing blitar along west side of Springmill Road.

GRADING SINGLE FAMILY

- GENERAL NOTES:
- Excise dit to stogpled in areas as designated by the developer.
 - Underdrain should be constructed within all swales and ditches, with slopes less than 1% to alleviate drainage concerns.
 - Do not scale from these plans for survey field locations. Refer to the master coordinate sheet for the most recent location and coordinates.
 - Check benchmark with existing grade and existing topography before beginning construction. Any discrepancies must be reported to the engineer immediately.
 - Before any earthwork is performed, the contractor is responsible for locating all existing utilities within, or bordering, the project.
 - For street profiles, see Sheets 5 through 10.
 - See Sheets 15 and 16 for entrance, intersections and cut-de-sac details.
 - A preconstruction meeting should be conducted to establish construction limits to maintain the integrity of the project throughout the construction phases.

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Revisions and Dates	Designed by
9-15-90 Rev. Grades, Delete Strs. 1, 2, & 63	D.E.H.
Relocate Strs. 8-12	Drawn by
9/18/90 Add Drainage along Springmill Rd.	M.A.L.
	Checked by
	Approved by
	Date



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

Title:
SITE DEVELOPMENT PL.
SPRINGMILL POND
SECTIONS I & II

Scale: 1" = 50' Job No: 114-0384 Sheet No:

Storm AS-BUILTS

SPRINGMILL CROSSING SECTION 6
P.B. 16, Pg. 64-67

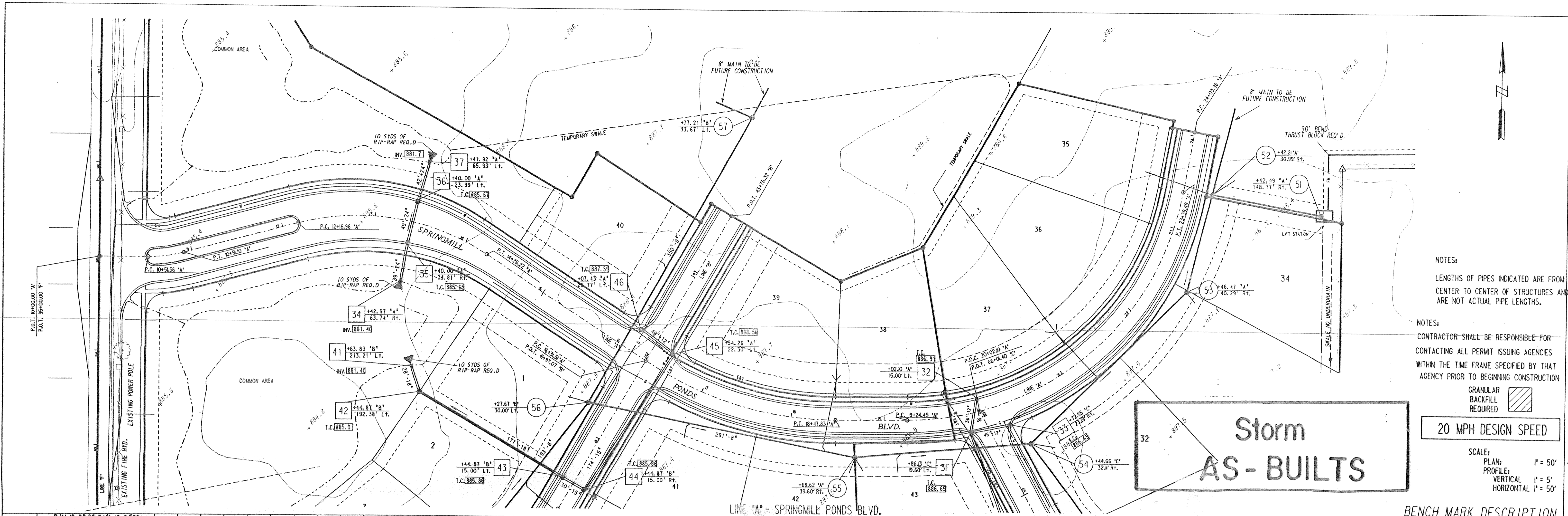
SPRINGMILL CROSSING SECTION 5
P.B. 15, Pg. 20-23

SPRINGMILL CROSSING SECTION 4
P.B. 15, Pg. 24-27

269

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
DATE	
BY	
DATE	
BY	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
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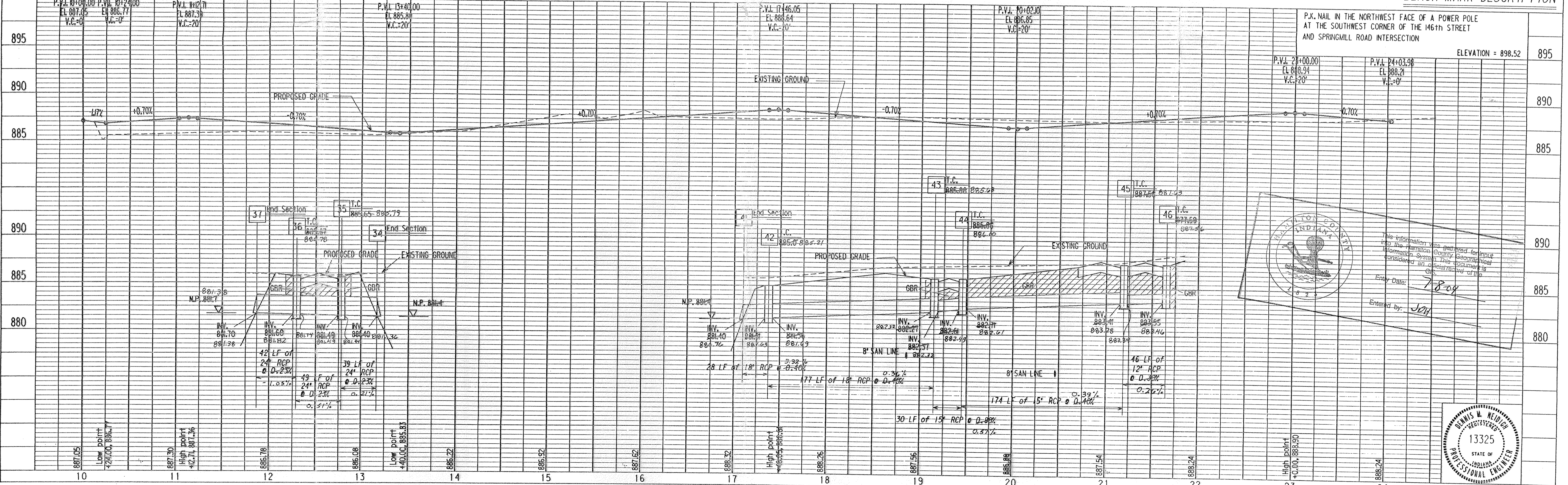
NOTES:
LENGTHS OF PIPES INDICATED ARE FROM CENTER TO CENTER OF STRUCTURES AND ARE NOT ACTUAL PIPE LENGTHS.

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

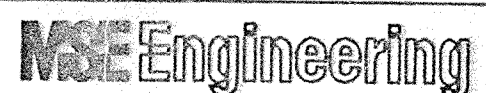
GRANULAR BACKFILL REQUIRED

20 MPH DESIGN SPEED

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

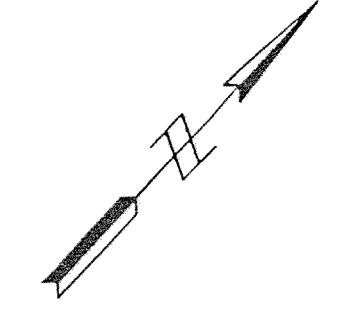


9-15-90 Revise all grades on Storm, Sanitary, & Streets



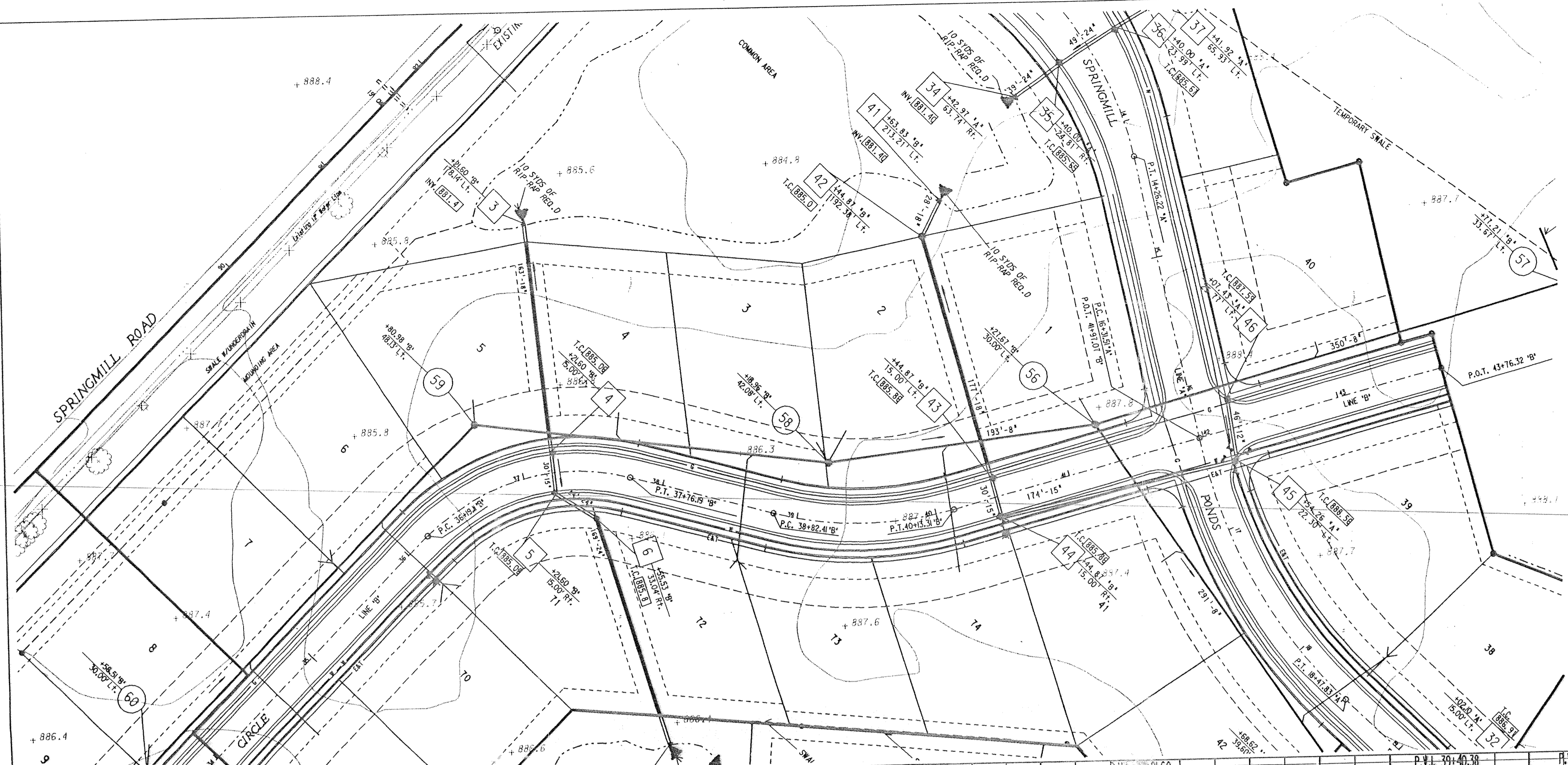
Professional Engineer Seal: DENNIS W. NEIDICH, REG. STATE OF INDIANA, No. 13325. Includes a disclaimer: 'This information was gathered for the Hamilton County Gas and Water Department. It is not intended to be used for any other purpose without the consent of the engineer.' Entry Date: 7-8-04, Entered by: JAY.

PROJECT NO.	LINE NO.	SHEET NO.	TOTAL SHEETS	DGN	PDF
44-0384	A	4	29	40384A1	40384A11



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	NOTE BOOK
	NO. 10

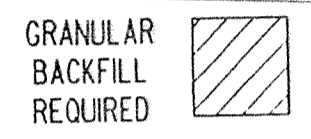
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	NOTE BOOK
	NO. 10



Storm AS-BUILTS

NOTES:
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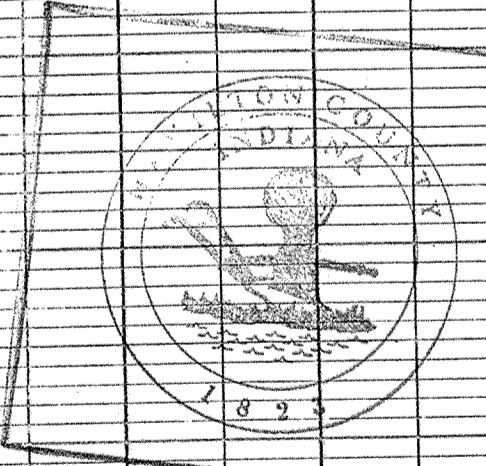
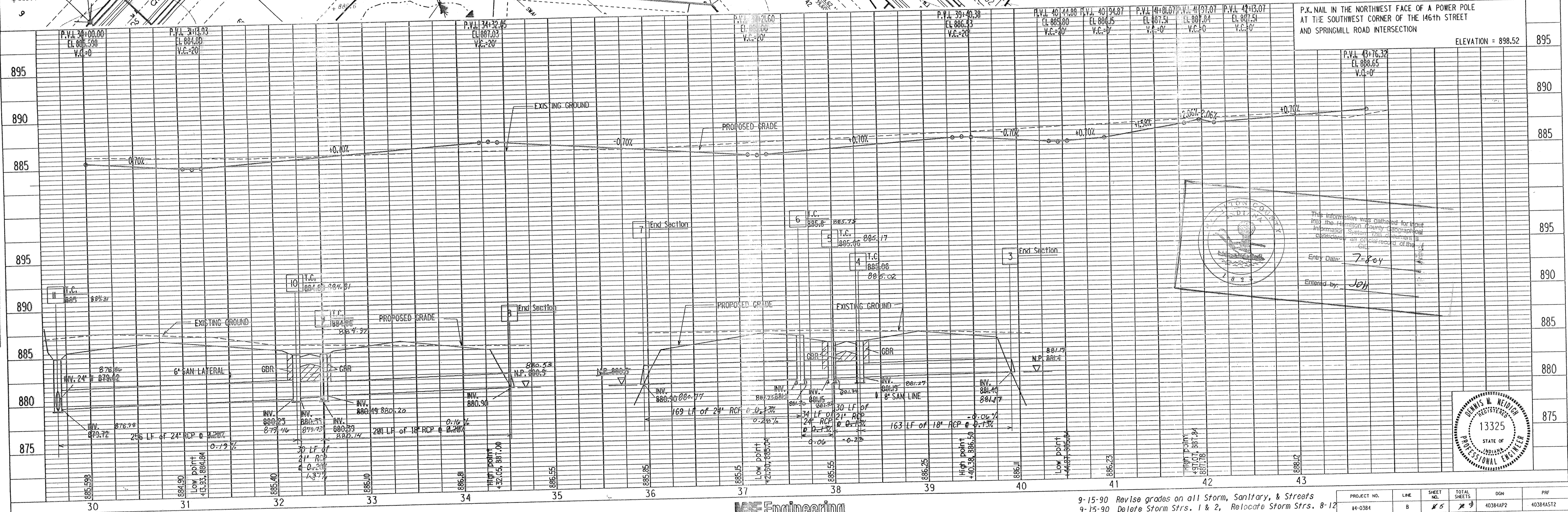
20 MPH DESIGN SPEED

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

BENCH MARK DESCRIPTION

P.K. NAIL IN THE NORTHWEST FACE OF A POWER POLE AT THE SOUTHWEST CORNER OF THE 146TH STREET AND SPRINGMILL ROAD INTERSECTION

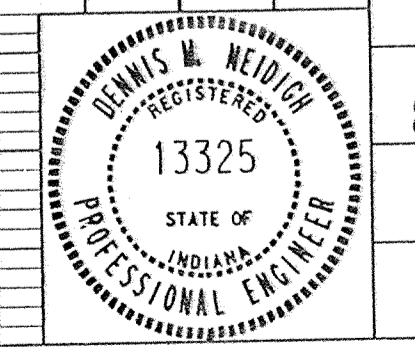
ELEVATION = 898.52



This information was gathered for your information only. It is not to be used for any other purpose without the consent of the engineer.

Entry Date: 7-8-04

Entered by: JSH



MSE Engineering

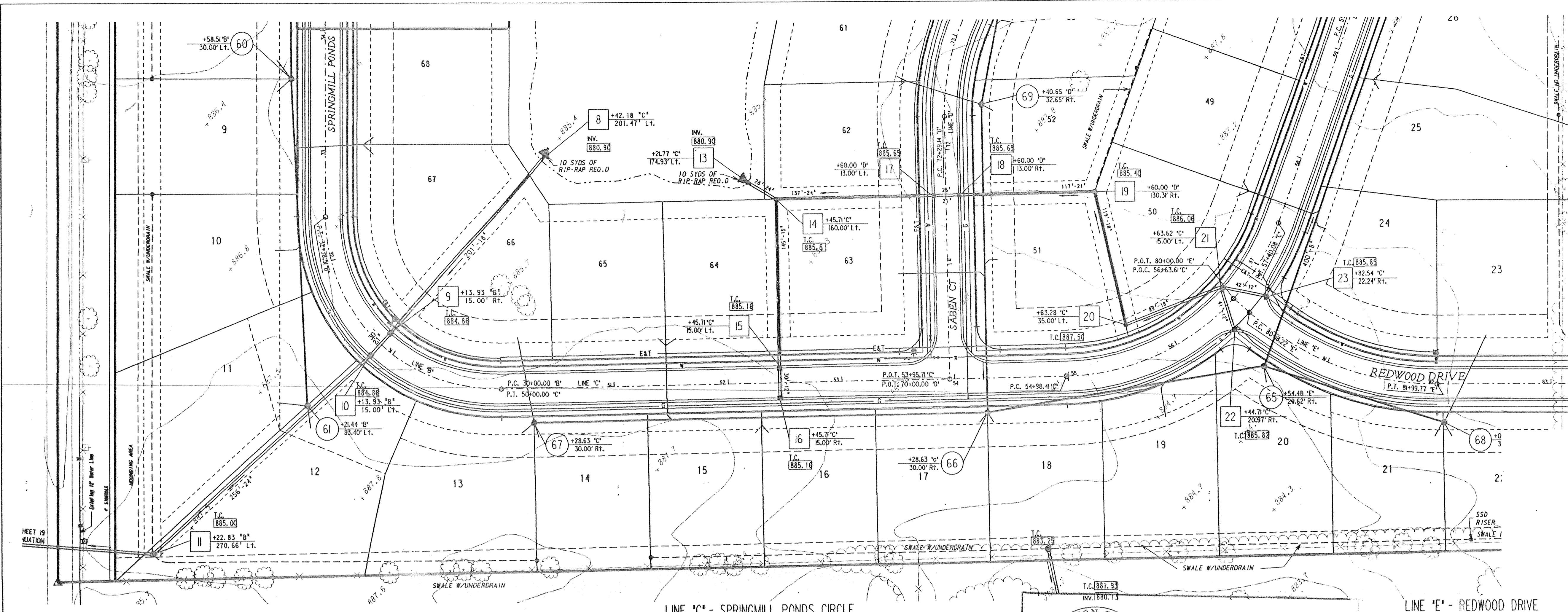
9-15-90 Revise grades on all Storm, Sanitary, & Streets
9-15-90 Delete Storm Strs. 1 & 2, Relocate Storm Strs. 8-12

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
44-0384	8	25	29	40384A2	40384A52

STREET AND STORM SEWER PLAN & PROFILES

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 NOTE BOOK: _____ CHECKED: _____
 NO. _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 NOTE BOOK: _____ CHECKED: _____
 NO. _____



Storm AS-BUILTS

NOTES:
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NOTES:
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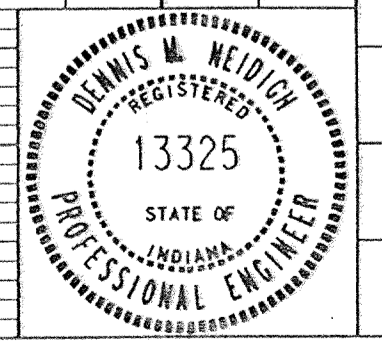
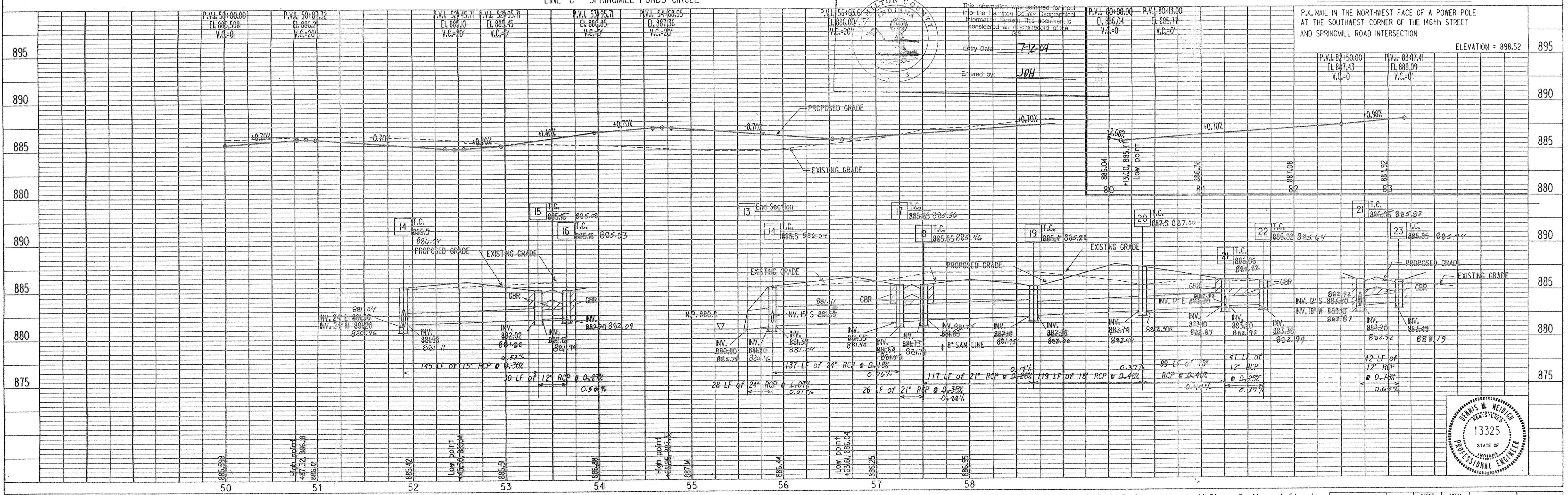
GRANULAR BACKFILL REQUIRED

20 MPH DESIGN SPEED

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

BENCH MARK DESCRIPTION

P.K. NAIL IN THE NORTHWEST FACE OF A POWER POLE AT THE SOUTHWEST CORNER OF THE 146th STREET AND SPRINGMILL ROAD INTERSECTION
 ELEVATION = 898.52



M&E Engineering

9-15-90 Revise grades on all Storm, Sanitary, & Streets

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
44-0384	C & E	16	28-9	40384AP3	40384A153

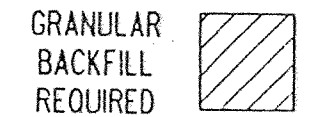
STREET AND STORM SEWER PLAN & PROFILES

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	

Storm AS-BUILTS

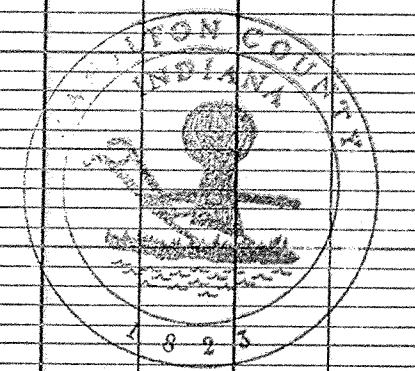
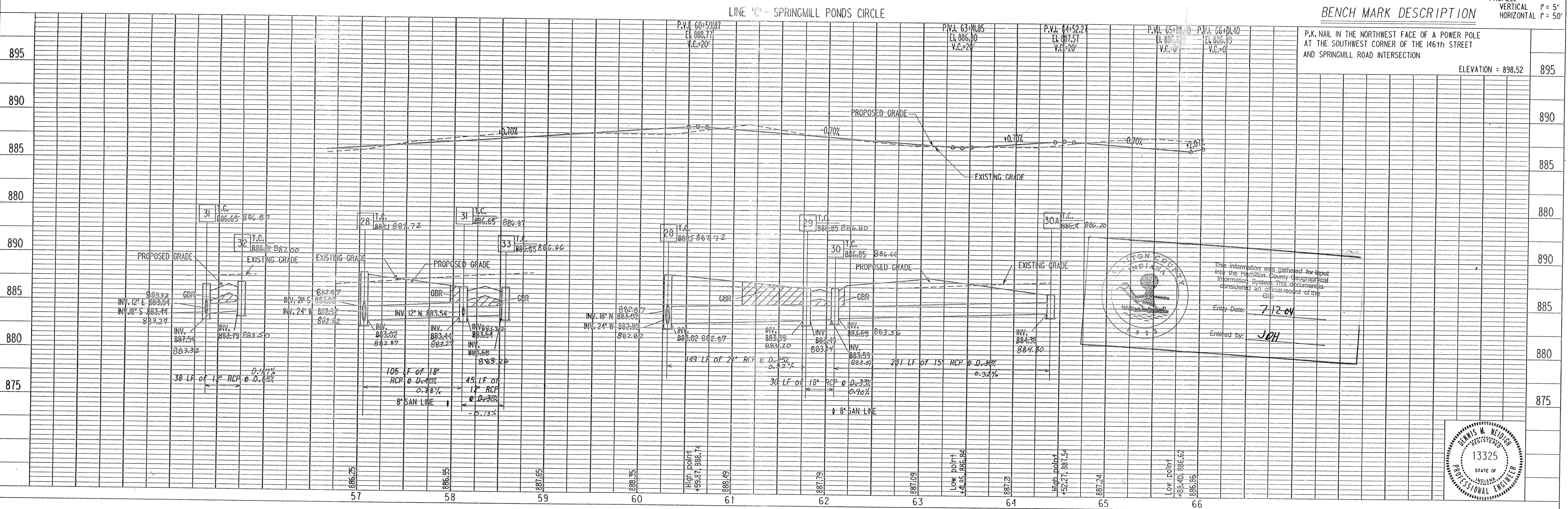
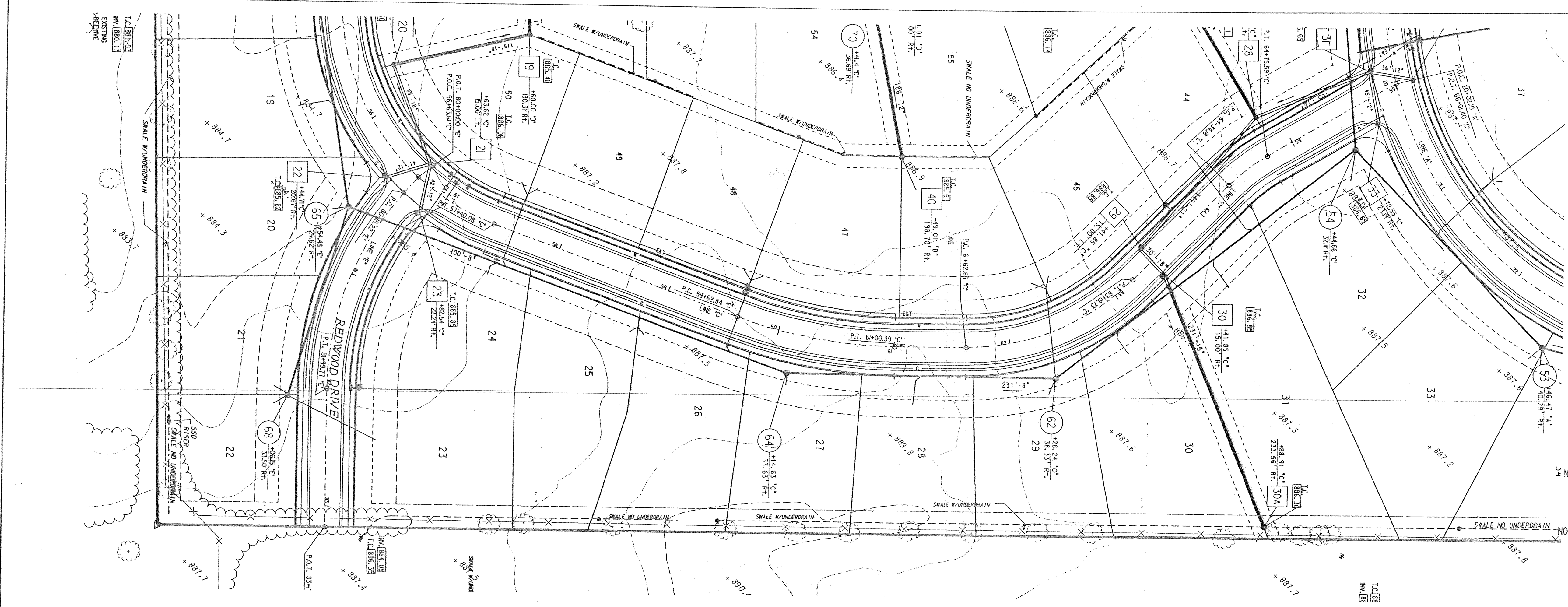
NOTES:
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 CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME FRAME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION



20 MPH DESIGN SPEED
 SCALE: PLAN 1" = 50'
 PROFILE 1" = 5'
 HORIZONTAL 1" = 50'

BENCH MARK DESCRIPTION

P.K. NAIL IN THE NORTHWEST FACE OF A POWER POLE AT THE SOUTHWEST CORNER OF THE 146th STREET AND SPRINGMILL ROAD INTERSECTION
 ELEVATION = 898.52



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: 7-12-04
 Entered by: JWH

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
14-0384	C	7	27	40384A4	40384A4

DRAWING NUMBER
 Springs Mill Ponds Secs 1 & 2
 3 of 3 # 210

DRAWING NUMBER

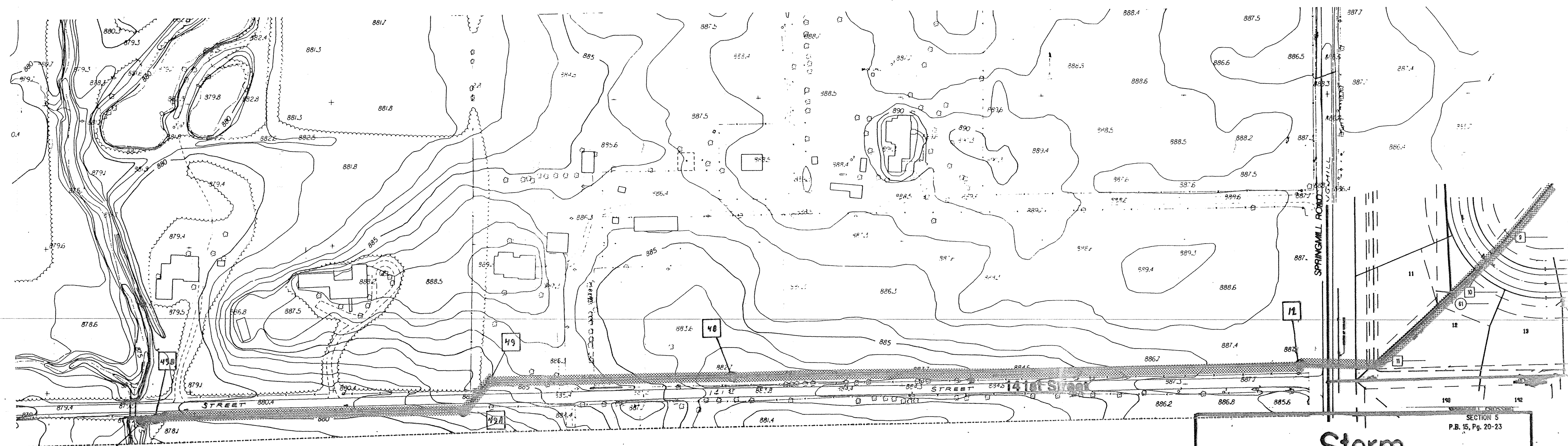
DRAWING NUMBER

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
 RECORDED BY NUMBER/DRAWING
 POSITION LINE OF POND OR STREAM

PLAN	DATE	BY
SAVED		
PLOTTED		
CHECKED		
NO. OF WAY CHECKED		
NO.		

PROFILE	DATE	BY
SAVED		
PLOTTED		
CHECKED		
NO. OF WAY CHECKED		
NO.		



Storm AS-BUILTS

SECTION 5
 P.B. 15, Pg. 20-23

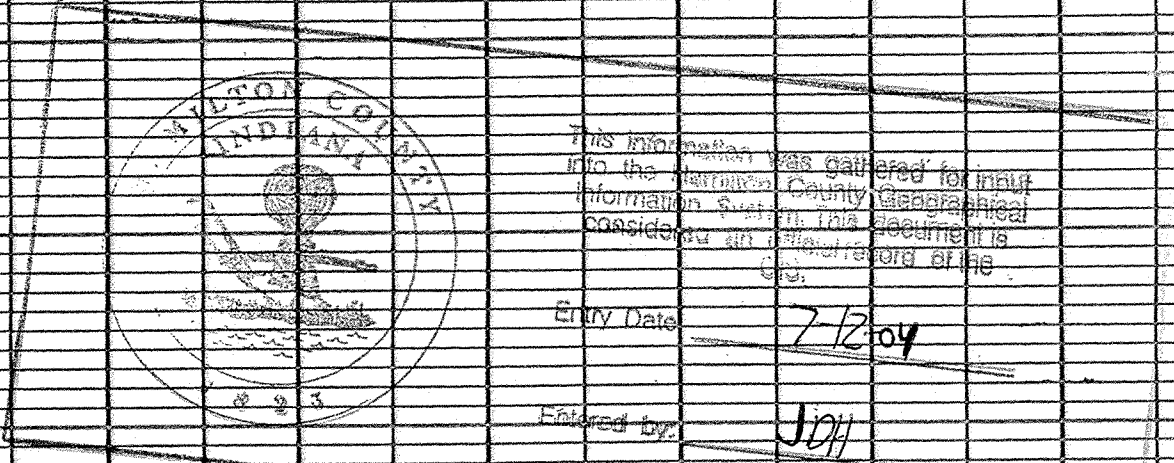
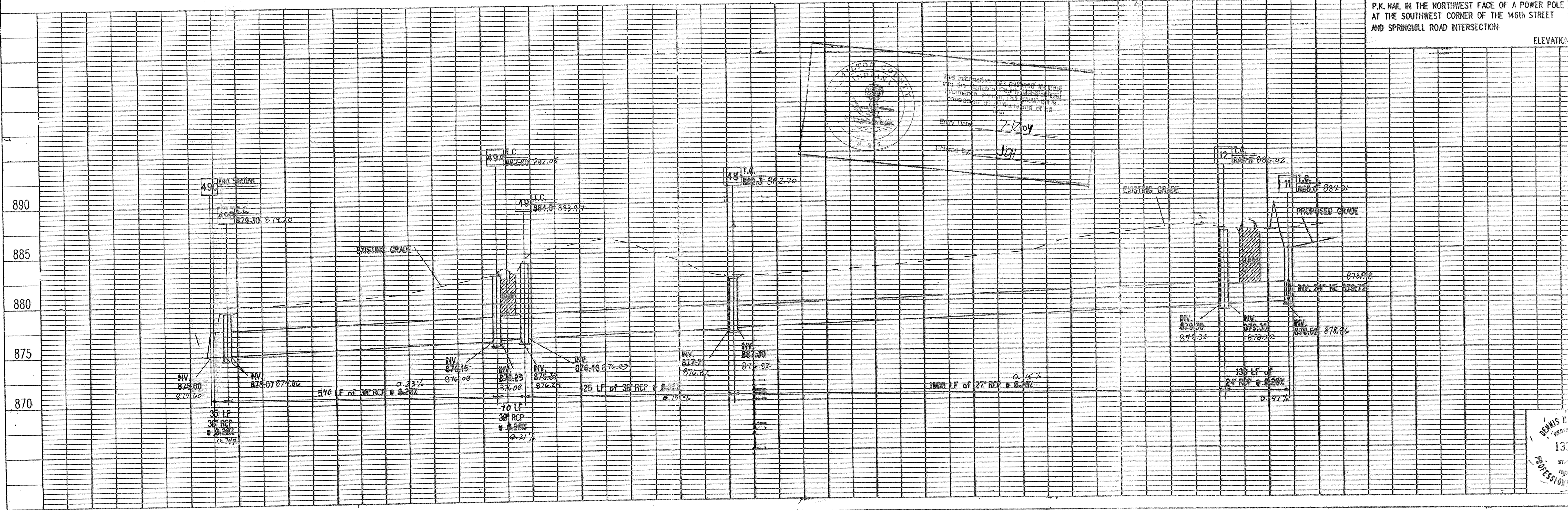
SCALE: PL PI

NOTES:
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BENCH MARK DESCRIPTION

P.K. NAIL IN THE NORTHWEST FACE OF A POWER POLE AT THE SOUTHWEST CORNER OF THE 14TH STREET AND SPRINGMILL ROAD INTERSECTION

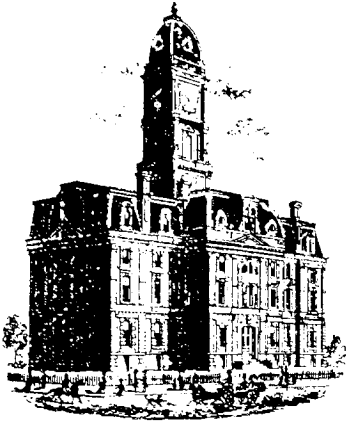


NSE Engineering

9-15-98 REVISE LOCATION OF OFFSITE STORM SEWER
 9/21/00 Revise location of Structures 49A & 49B

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
14-0384	B	289	400

OFFSITE STORM SEWER PLAN &



Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

Map Correction-Field Verification

Drain Number: #240

Drain Length: n/a

Drain Name: Springmill Ponds: Sec. 2 Arm

Change + / - : n/a

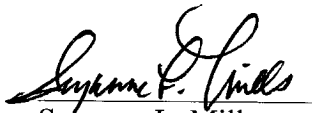
Date: 05-28-2009

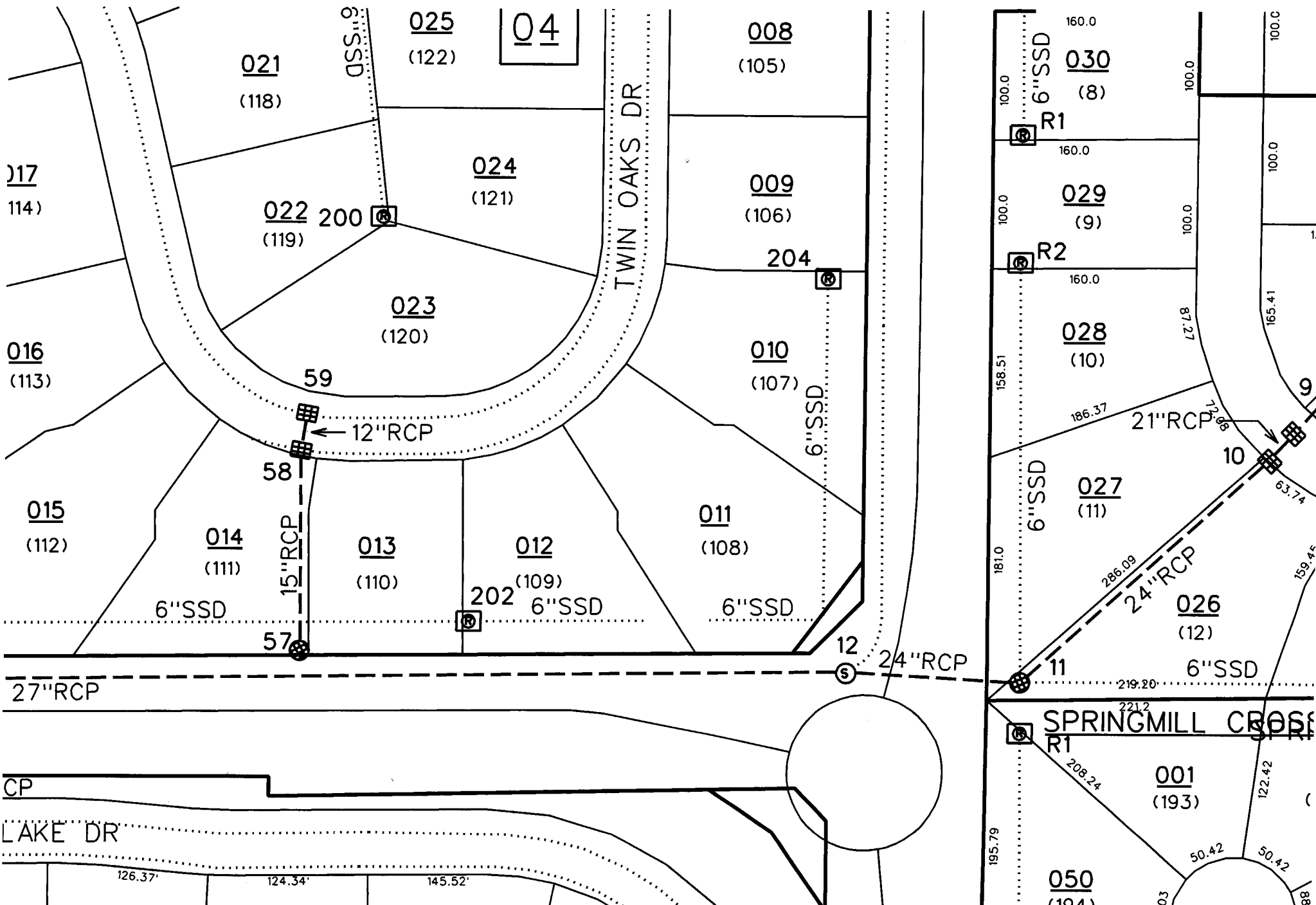
New Length: n/a

Verified By: SLM & LMC

Notes & Sketch:

The road improvements made to Springmill Rd in 1997 changed structure 12 from an inlet to a manhole.


Suzanne L. Mills
GIS Specialist



sub_rg_drn.dwg 5/28/2009 2:48:20 PM