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

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Gasb 34 Footages for Historical Cost
Drain Length Log

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

Drain Type:	Size:	Length SURVEYOR'S REPORT	Length (DB Query)	Length Reconcile	If Applicable Price:	If Applicable Cost:
	6"	2,580'	2,580'	Ø		
	12"	382'	382'	Ø		
	15"	540'	540'	Ø		
	18"	544'	544'	Ø		
	21"	322'	322'	Ø		
	24"	683'	688'	+5'		
	27"	1,220'	1,220'	Ø		
	30"	1,280'	1,253'	-27'		
	36"	16'	35'	19'		
Sum:		7,567'	7,564'	-3'		

Final Report: _____

Comments:

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

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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, quanity 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 accuring to the owners of land likely to be benefitted. The drain will consist of the following:

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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

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XXXXX
XXXXXX

UNION STATE BANK

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

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

VERY TRULY YOURS,

AUTHORIZED SIGNATURE

George F. Burrell, President
TITLE

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XXXXX
XXXXXXX

UNION STATE BANK

21 Jefferson Square • P. O. Box XXX • 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 Revision), International Chamber of Commerce, Publication ~~290~~ 400.

VERY TRULY YOURS,

AUTHORIZED SIGNATURE

George F. Burrell, President
TITLE

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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

S0441

SEAL

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

FILED

JUL 23

OFFICE OF HAMILTON COUNTY SURVEYOR

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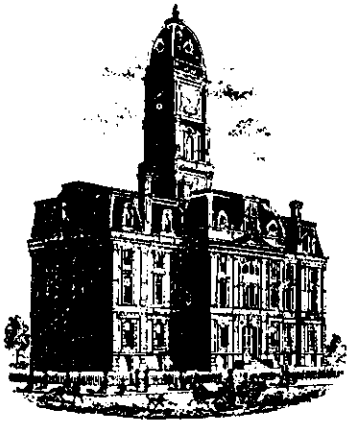

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
Phone (317) 776-8495
Fax (317) 776-9628

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

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

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SITE CONSTRUCTION PLANS FOR

SPRINGMILL PONDS
SECTION I & II

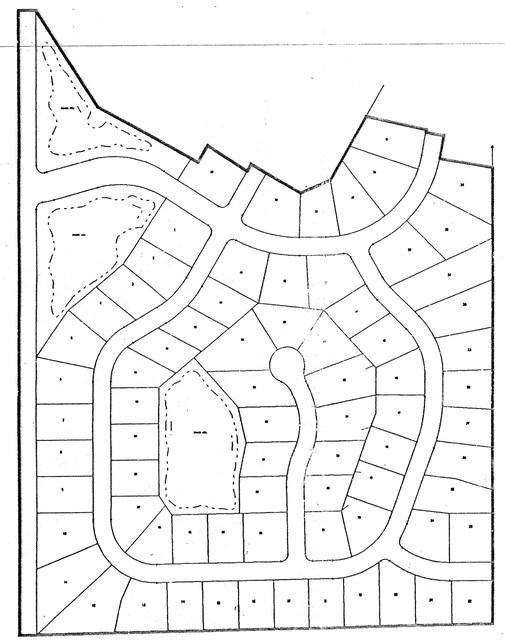
Storm
AS-BUILTS
7-19-91
BEH

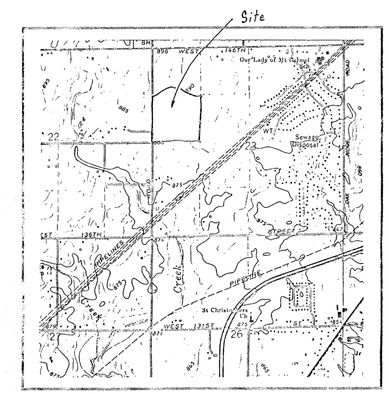
SHEET INDEX

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

REVISIONS

SHEET No.	DESCRIPTION
~~2 and 4~~	~~9-15-90 Revise Grades - Relocate Storm Str's 8-12 Delete San Str. 63~~
~~5 and 7~~	~~9-15-90 Rev. Str Elev., T.O.s and Invs.~~
~~6~~	~~9-15-90 Rev. Str. Elevs., T.O.s, Invs., Pipe Sizes, and Strs 8-12~~
~~10-12, & 14~~	~~9-15-90 Revise T.O.s and Invs.~~
~~13~~	~~9-15-90 Revise T.O.s, Invs., and Delete Str. # 63~~
~~15 & 16~~	~~9-15-90 Revise Grades~~
~~19~~	~~9-15-90 Revise Offsite Storm Sewer Location~~
~~2,1 & 18~~	~~9/18/90 Add Drainage along Springmill Rd.~~
~~22~~	~~9/18/90 Add Erosion Mats and Mound Seeding along Springmill Rd~~
~~19~~	~~9/24/90 Revise Location of Offsite Drainage~~
~~3,10,17,18~~	~~10/23/90 Rev. Lift Station Location. Add Str. 50 & 51 Rev. Structure Data Table~~
~~20~~	~~10/26/90 Add Safety Bar 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 ~~22~~ 9

JOB No. 114-0384

CONTRACTOR SHALL BE REPONSIBLE 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
317 843-5080
317 843-5083 FAX

CERTIFIED THIS 28th DAY OF August 1990

Dennis M. Neidigh

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

DENNIS M. NEIDIGH REGISTERED 13325 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING NUMBER
Springmill Ponds Sec 1+2
1 of 3 #240
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
FRIDENSHIP ALMANSHIYAH
POSITION EDGE OF PRINT ON THIS LINE

Revisions and Dates
9-15-90 Rev. Grades Delete Str 1,2 & 63, Relocate Strs. 8-12
9/18/90 Add Drainage along Springmill Rd.
10/23/90 Rev. Lift Station Location Add Str. 50 & 51
10/29/90 Rev. Structure Date Table

Designed by: B.E.H.
Drawn by: M.A.L.
Checked by:
Approved by:
Date:

DENNIS M. NEIDIGH REGISTERED 13325 STATE OF INDIANA PROFESSIONAL ENGINEER

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

Title: SITE DEVELOPMENT P
SPRINGMILL PO
SECTIONS I &

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

SPRINGMILL PONDS SECTION 1
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	79.77	156.68	155.29	N 77°01'35" W
E-2	27°21'23"	388.74	94.61	185.61	183.85	S 76°35'57" 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	189.05	337.39	319.89	N 42°40'25" E
F-3	08°54'24"	325.00	25.31	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 65°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	142.61	N 70°31'15" E
K-4	11°01'51"	225.00	21.73	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"	225.00	71.68	138.78	136.59	N 72°16'08" W
P-2	37°10'49"	215.00	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°52'55"	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°35'05"	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

LAND DESCRIPTION

Springmill Ponds Section I

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:

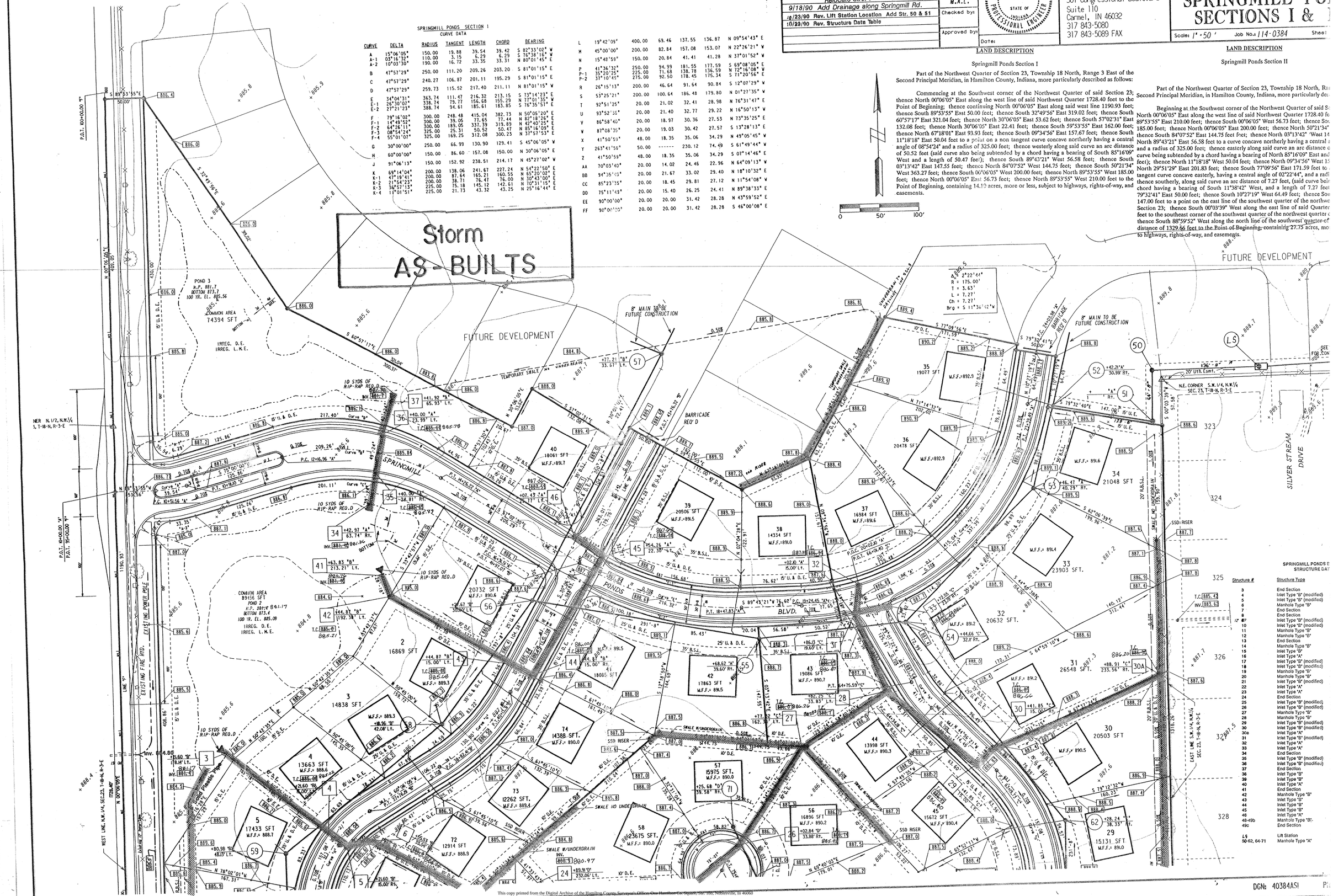
Commencing at the Southwest corner of the Northwest Quarter of said Section 23; thence North 00°06'05" East along the west line of said Northwest Quarter 1728.40 feet to the Point of Beginning; thence continuing North 00°06'05" East along said west line 1190.93 feet; thence South 89°53'55" East 50.00 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°34'56" 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 08°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 14.10 acres, more or less, subject to highways, rights-of-way, and easements.

LAND DESCRIPTION

Springmill Ponds Section II

Part of the Northwest Quarter of Section 23, Township 18 North, Ra
Second Principal Meridian, in Hamilton County, Indiana, more particularly des

Beginning at the Southwest corner of the Northwest Quarter of said S
North 00°06'05" East along the west line of said Northwest Quarter 1728.40 fe
89°53'55" East 210.00 feet; thence South 00°06'05" West 56.73 feet; thence So
185.00 feet; thence North 00°06'05" East 200.00 feet; thence North 50°21'34"
thence South 84°07'52" East 144.75 feet; thence North 03°13'42" West 14
North 89°43'21" East 56.58 feet to a curve concave northerly having a central a
and a radius of 325.00 feet; thence easterly along said curve an arc distance o
curve being subtended by a chord having a bearing of North 85°16'09" East anc
feet); thence North 11°18'18" West 50.04 feet; thence North 09°34'56" West 15
North 29°51'29" East 201.83 feet; thence South 77°09'56" East 171.59 feet to
tangent curve concave easterly, having a central angle of 02°22'44", and a radi
thence southerly, along said curve an arc distance of 7.27 feet, (said curve bein
chord having a bearing of South 11°38'42" West, and a length of 7.27 feet
79°32'41" East 50.00 feet; thence South 10°27'19" West 64.49 feet; thence Sou
147.00 feet to a point on the east line of the southwest quarter of the northwe
Section 23; thence South 00°03'39" West along the east line of said Quarte
feet to the southeast corner of the southwest quarter of the northwest quarter o
thence South 88°59'52" West along the north line of the southwest quarter o
distance of 1329.66 feet to the Point of Beginning, containing 27.75 acres, mo
to highways, rights-of-way, and easements.



SPRINGMILL PONDS S
STRUCTURE DAT

Structure #	Structure Type
3	End Section
4	Inlet Type "B" (modified)
5	Inlet Type "B" (modified)
6	Manhole Type "B"
7	End Section
8	End Section
9	Inlet Type "B" (modified)
10	Inlet Type "B" (modified)
11	Manhole Type "B"
12	Manhole Type "B"
13	End Section
14	Manhole Type "B"
15	Inlet Type "B"
16	Inlet Type "A"
17	Inlet Type "B" (modified)
18	Inlet Type "B" (modified)
19	Manhole Type "B"
20	Manhole Type "B"
21	Inlet Type "B" (modified)
22	Inlet Type "A"
23	Inlet Type "A"
24	End Section
25	Inlet Type "B" (modified)
26	Inlet Type "B" (modified)
27	Manhole Type "B"
28	Manhole Type "B"
29	Inlet Type "B" (modified)
30	Inlet Type "B" (modified)
30a	Inlet Type "A"
31	Inlet Type "B" (modified)
32	Inlet Type "A"
33	Inlet Type "A"
34	End Section
35	Inlet Type "B" (modified)
36	Inlet Type "B" (modified)
37	End Section
38	Inlet Type "B"
39	Inlet Type "B"
40	Inlet Type "A"
41	End Section
42	Manhole Type "B"
43	Inlet Type "B"
44	Inlet Type "B"
45	Inlet Type "B"
46	Inlet Type "A"
48-49b	Manhole Type "B"-
49c	End Section
L5	Lift Station
50-62, 64-71	Manhole Type "A"

DGN: 40384ASI

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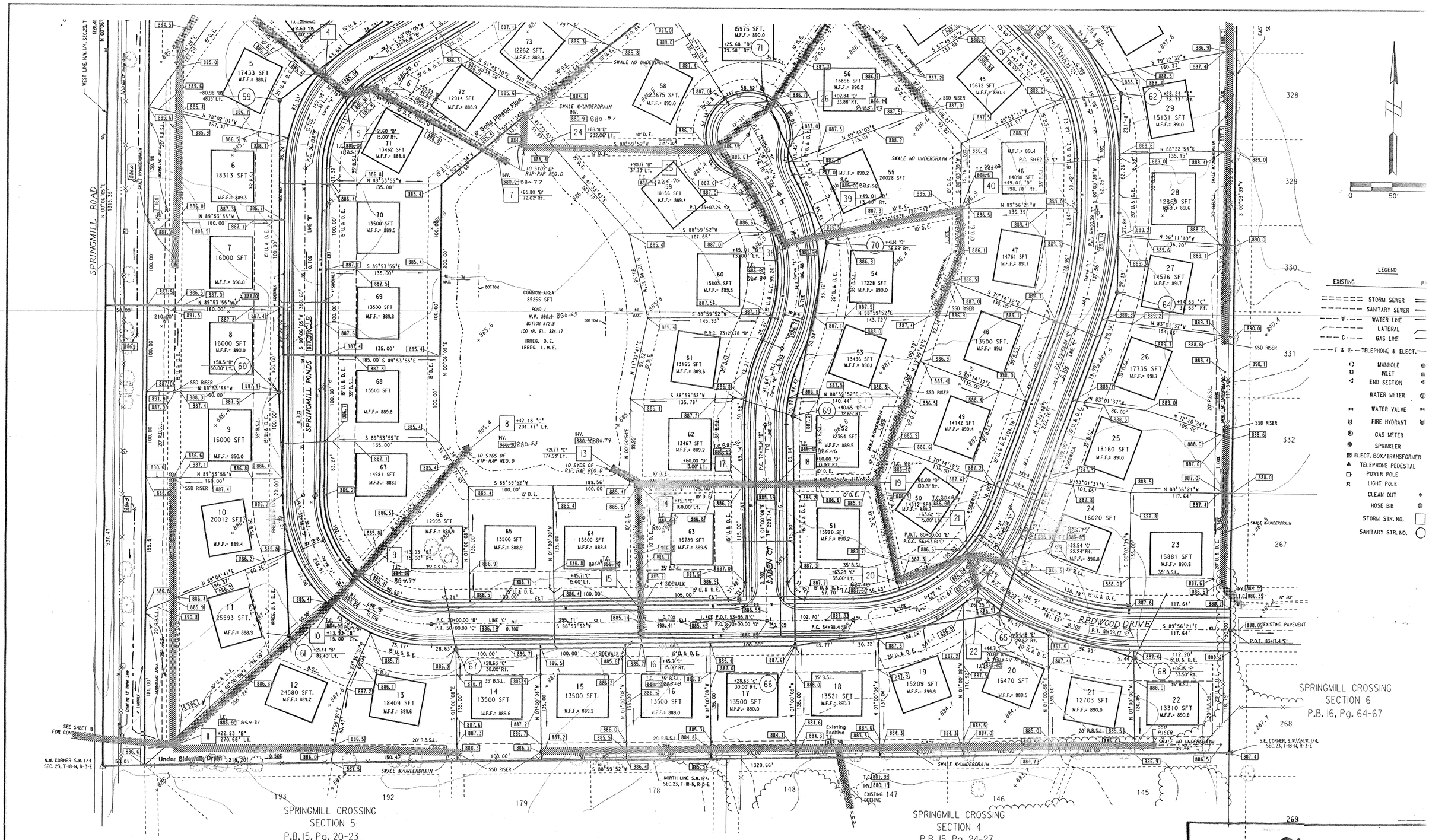
DRAWING NUMBER
Springmill Ponds Sec 1+2
2 of 3 #240
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07D4A1
FIGURIN EAS UP FROM ON THIS LINE



DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07D4A1
FIGURIN EAS UP FROM ON THIS LINE

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07D4A1
FIGURIN EAS UP FROM ON THIS LINE

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07D4A1
FIGURIN EAS UP FROM ON THIS LINE

UTILITY
SINGLE FAMILY

GENERAL NOTES:

1. Roadway shall be constructed with continuous 4" perforated underdrain as per Hamilton County specifications (to be placed on both sides of roadway).
2. Structures along curb line are stationed to the middle of the structure and offset to the back of curb; all other structures are stationed and offset to the middle of the structure.
3. 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.
4. Do not scale from these plans for survey field locations. Refer to the master coordinate sheet for the most recent location and coordinates.
5. 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.
6. All know utility locations shown are approximate. It is the contractor's responsibility to contact all effected utilities and the local utilities protection service prior to excavation.
7. 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.

SITE PLAN
SINGLE FAMILY

GENERAL NOTES:

1. Curb returns at all roadway intersections to have a radius of 25', measured to the back of curb unless otherwise noted.
2. See Detail Sheet for roadway cross section and pavement section.
3. For intersection and cul-de-sac details see Sheet 15 and 16.
4. See Utility Plan for roadway stationing.
5. For Grading Plan, see Sheets 3 and 4.
6. For Utility Plan, see Sheets 3 and 4.
7. See Detail Sheet(s) for typical construction details.
8. All dimensions are to back of curb, unless otherwise noted.
9. Do not scale from these plans for survey field locations. Refer to the master coordinate sheet for most recent locations and coordinates.
10. Ends of all curbs to be chamfered.
11. Right-of-way acquisition required for construction of passing blister along west side of Springmill Road.

GRADING
SINGLE FAMILY

GENERAL NOTES:

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

19" RCP

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Revisions and Dates
9-15-90 Rev. Grades, Delete Strs. 1,2, & 63, Relocate Strs. 8-12
9/18/90 Add Drainage along Springmill Rd.

Designed by: B.E.H.
Drawn by: M.A.L.
Checked by:
Approved by:
Dates

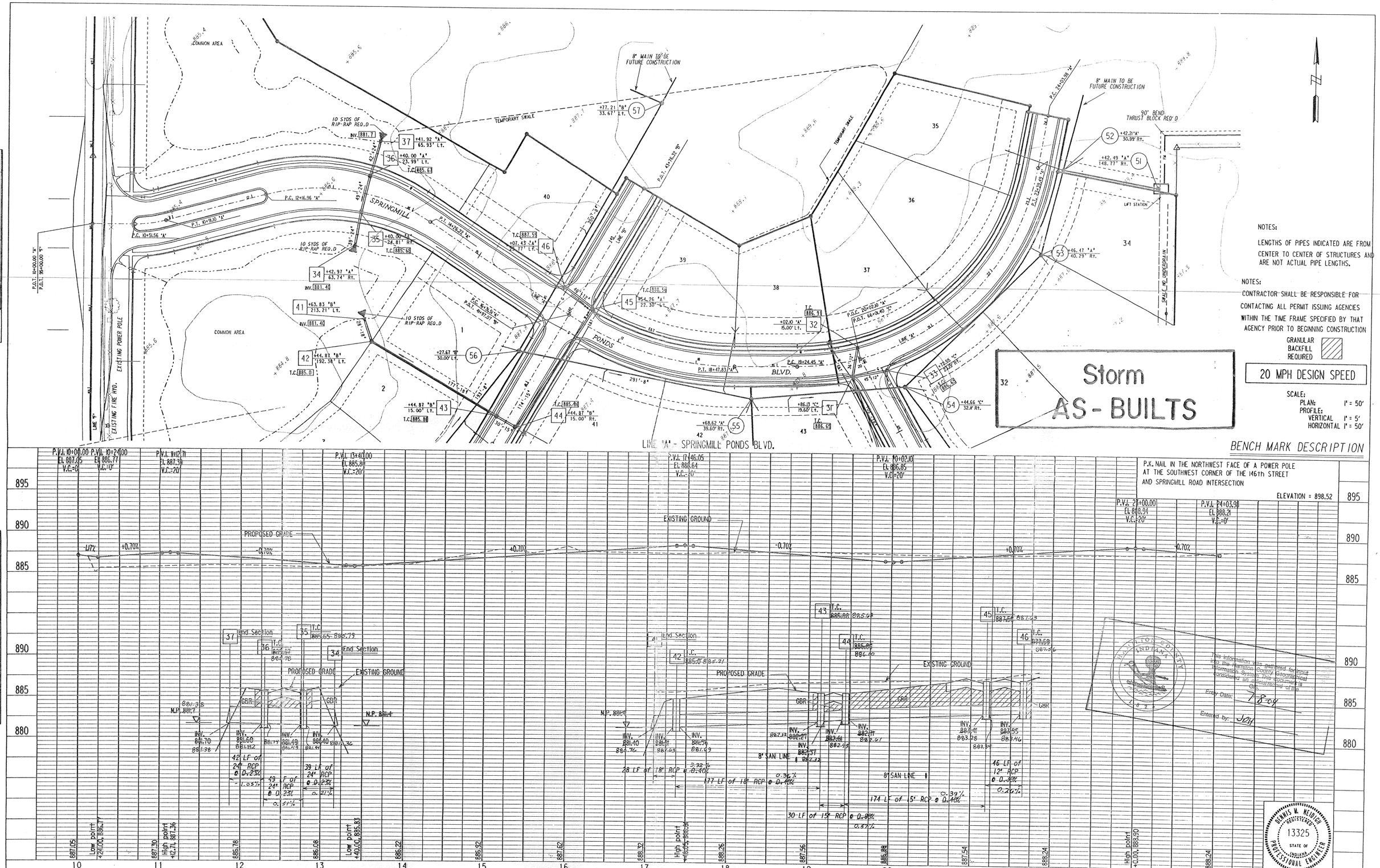
DENNIS M. NEUDICH REGISTERED 13325 STATE OF INDIANA PROFESSIONAL ENGINEER

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

Title: SITE DEVELOPMENT PL
SPRINGMILL PON
SECTIONS I & II

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

Storm
AS-BUILTS



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

MSE Engineering

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
14-0384	A	4	9	40384API	40384ASTI

STREET AND STORM SEWER
PLAN & PROFILES

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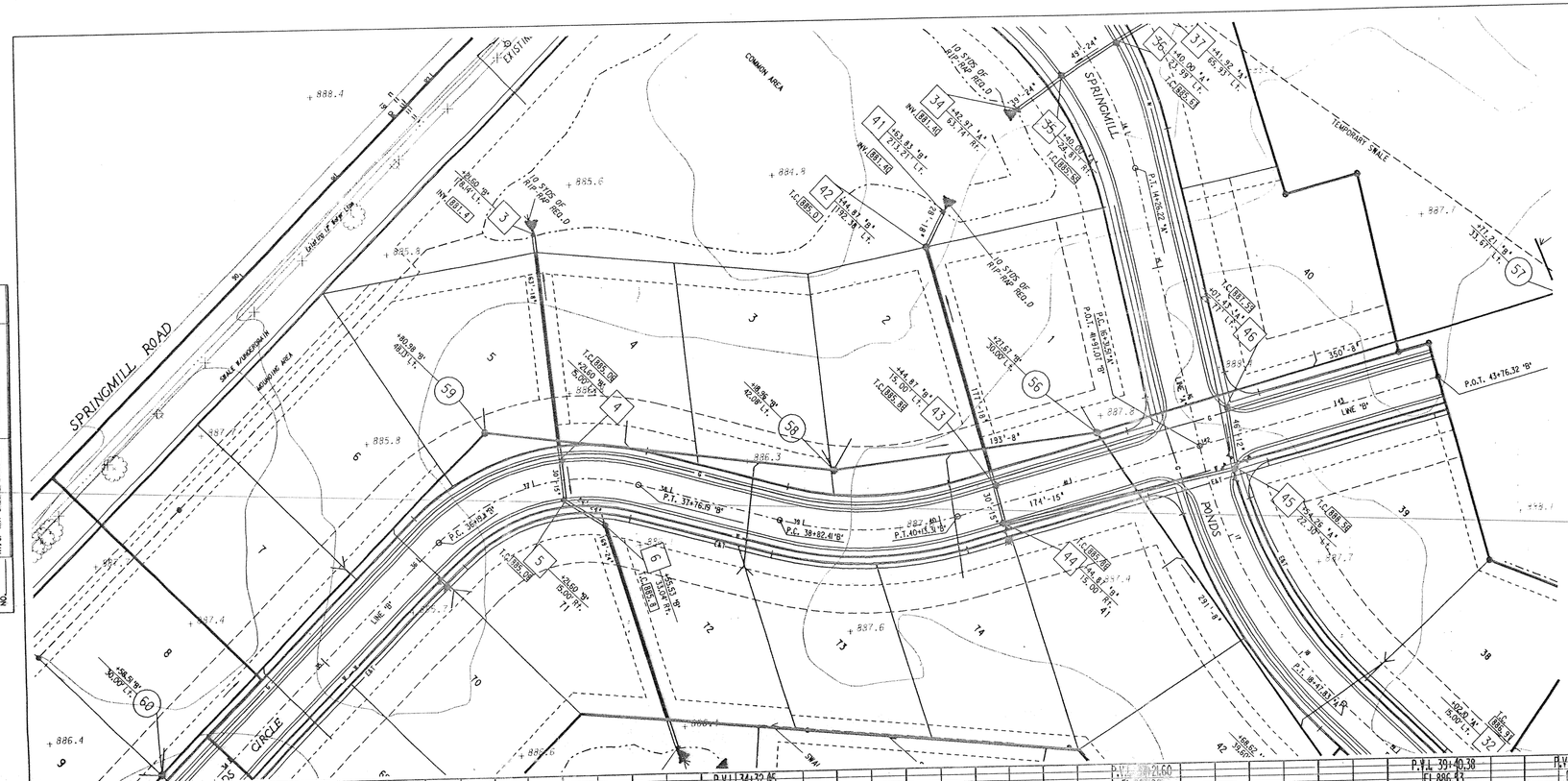


Storm AS-BUILTS

NOTES:

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

GRANULAR BACKFILL REQUIRED

NOTES:

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

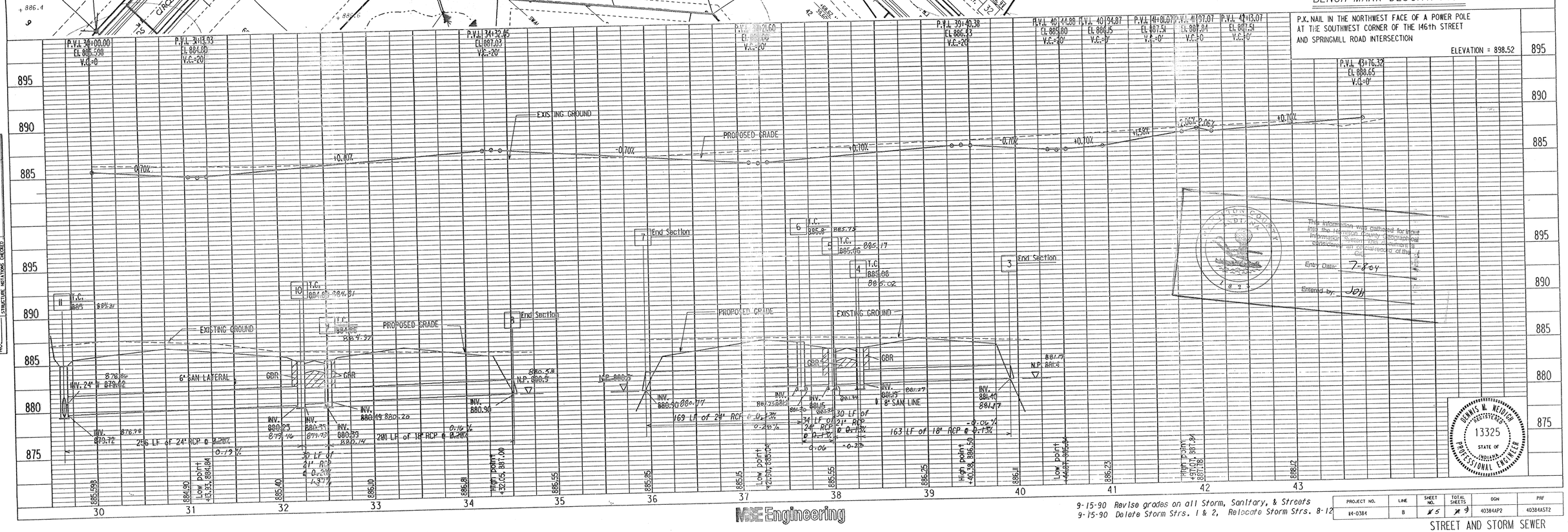
20 MPH DESIGN SPEED

SCALE:
PLAN: 1" = 50'
PROFILE:
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



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Entry Date: 7-8-04

Entered by: JOH

DENNIS W. WEIDICH REGISTERED 13325 STATE OF INDIANA PROFESSIONAL ENGINEER

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
84-0384	B	5	9	40384AP2	40384AST2

STREET AND STORM SEWER PLAN & PROFILES

PLAN — SURVEYED / PLOTTED / NOTE BOOK / ALIGNMENT CHECKED / PT. OF INT. CHECKED / NO. — DATE / BY

PROFILE — SURVEYED / PLOTTED / NOTE BOOK / GRADES CHECKED / S.W.L. INPUT / CONSULTANT NOTATIONS CHECKED / NO. — DATE / BY

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Storm AS-BUILTS

NOTES:
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NOTES:
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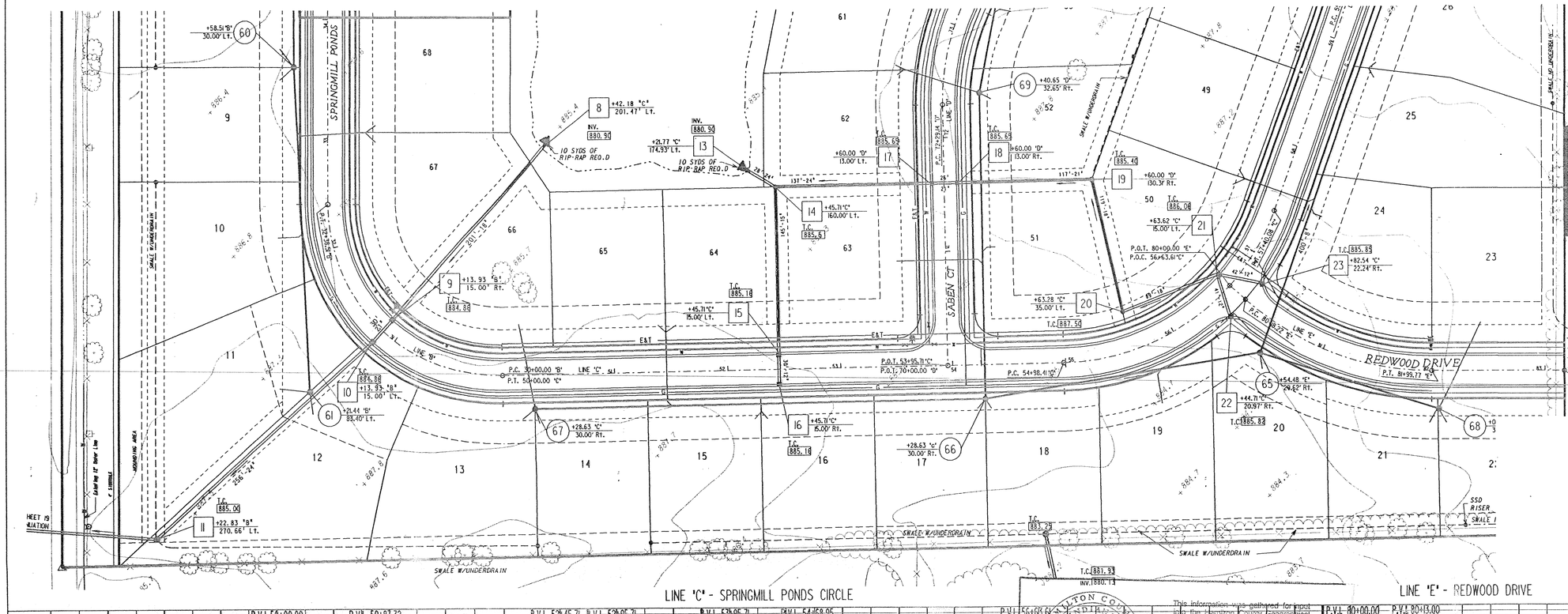
GRANULAR BACKFILL REQUIRED

20 MPH DESIGN SPEED

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



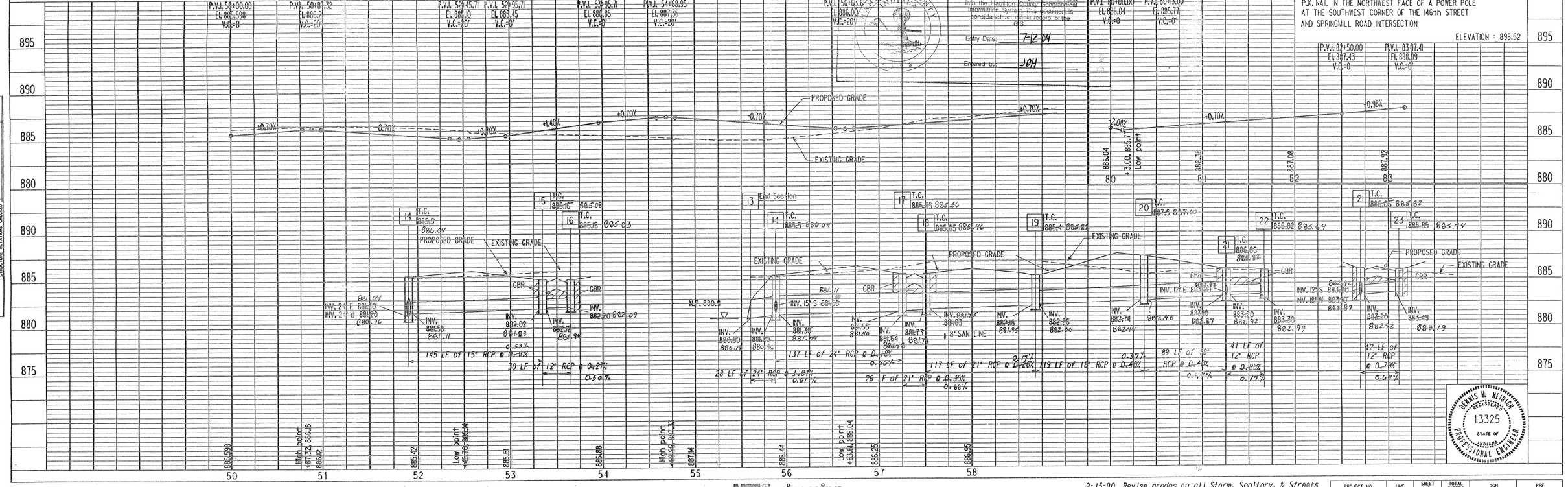
LINE 'C' - SPRINGMILL PONDS CIRCLE

LINE 'E' - REDWOOD DRIVE

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



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Entry Date: 7-12-04
Entered by: JOH

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

M&E Engineering

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
94-0384	C & E	26	28	40384APB	40384ASTB

STREET AND STORM SEWER PLAN & PROFILES

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

PROFILE — SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ B.M. & DATUM VERIFIED ___ STRUCTURE INVT.& ELEVS. CHECKED ___ NOTE BOOK NO. ___ BY ___ DATE ___

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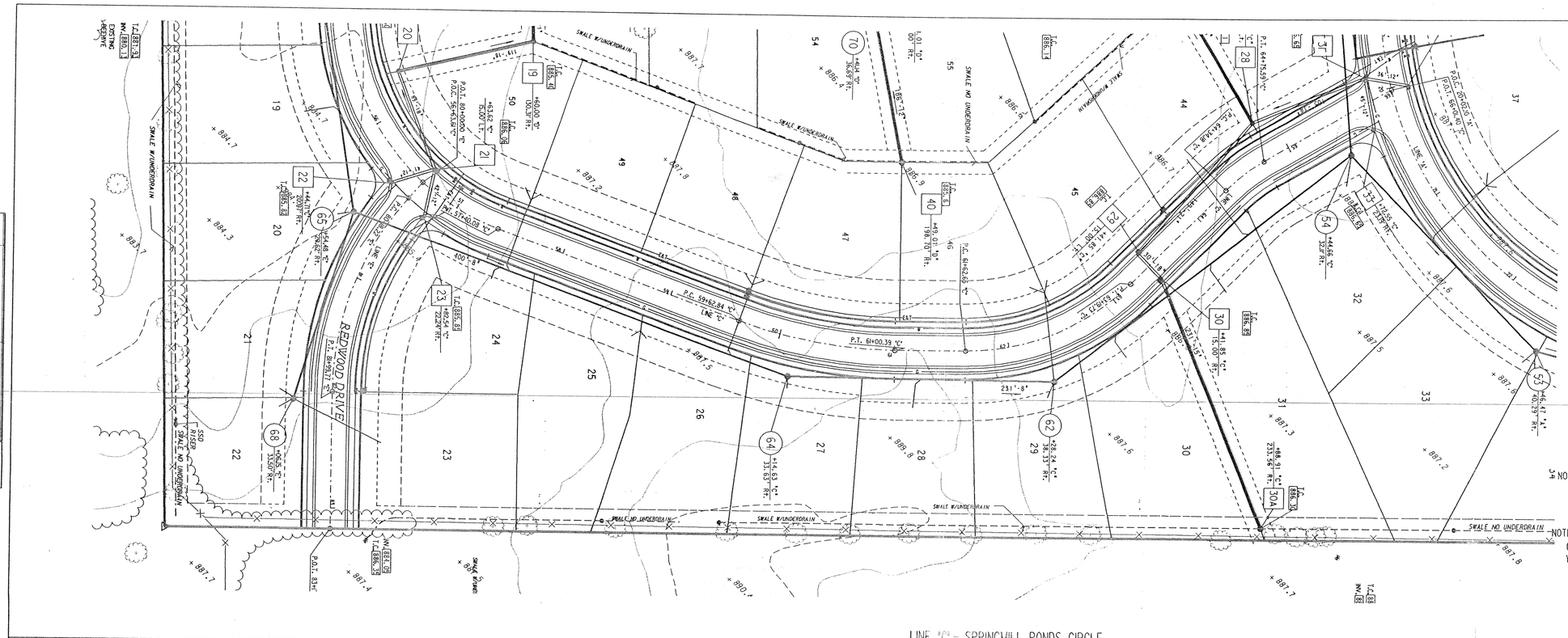

Storm AS-BUILTS

NOTES:

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

GRANULAR BACKFILL REQUIRED

NOTES:

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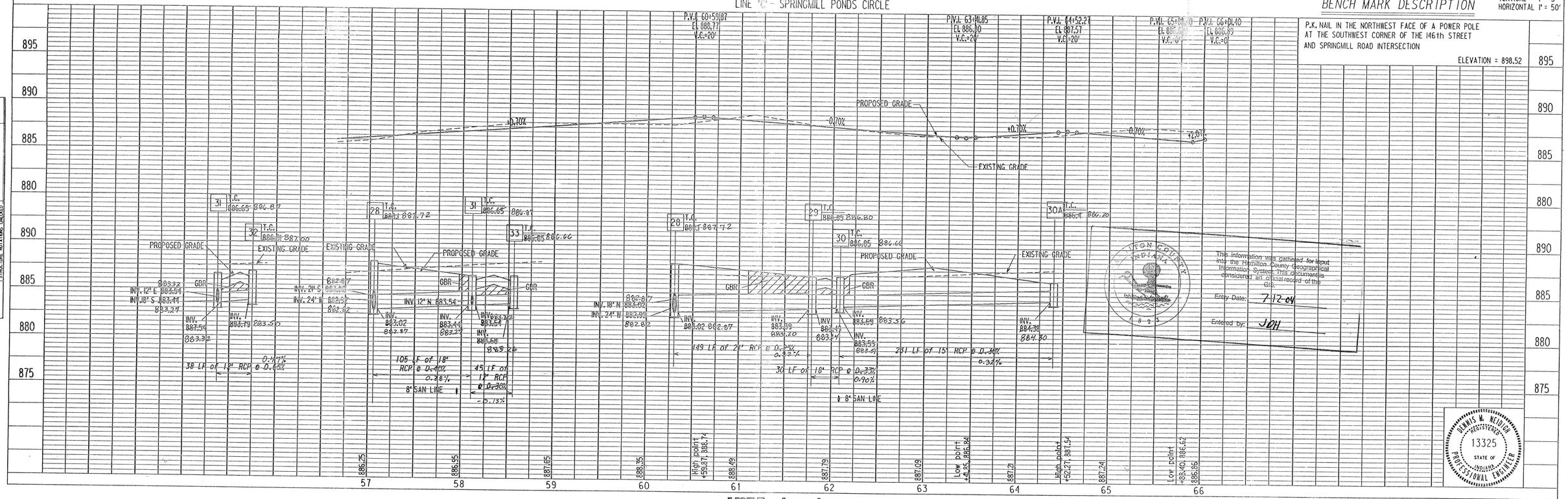
PROFILE: VERTICAL 1" = 5'
HORIZONTAL 1" = 50'

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



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Entry Date: 7-12-04

Entered by: JDH

DENNIS W. NEIDIGH REGISTERED 13325 STATE OF INDIANA PROFESSIONAL ENGINEER

MSE Engineering

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

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
14-0384	C	27	29	40384AP4	40384AST4

STREET AND STORM SEWER PLAN & PROFILES

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R/W & MON. CHECKED, NOTE BOOK NO. ___, DATE, BY

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, EL. M.H.'s NOTED, STRUCTURE NOTATIONS CHECKED, NOTE BOOK NO. ___, DATE, BY

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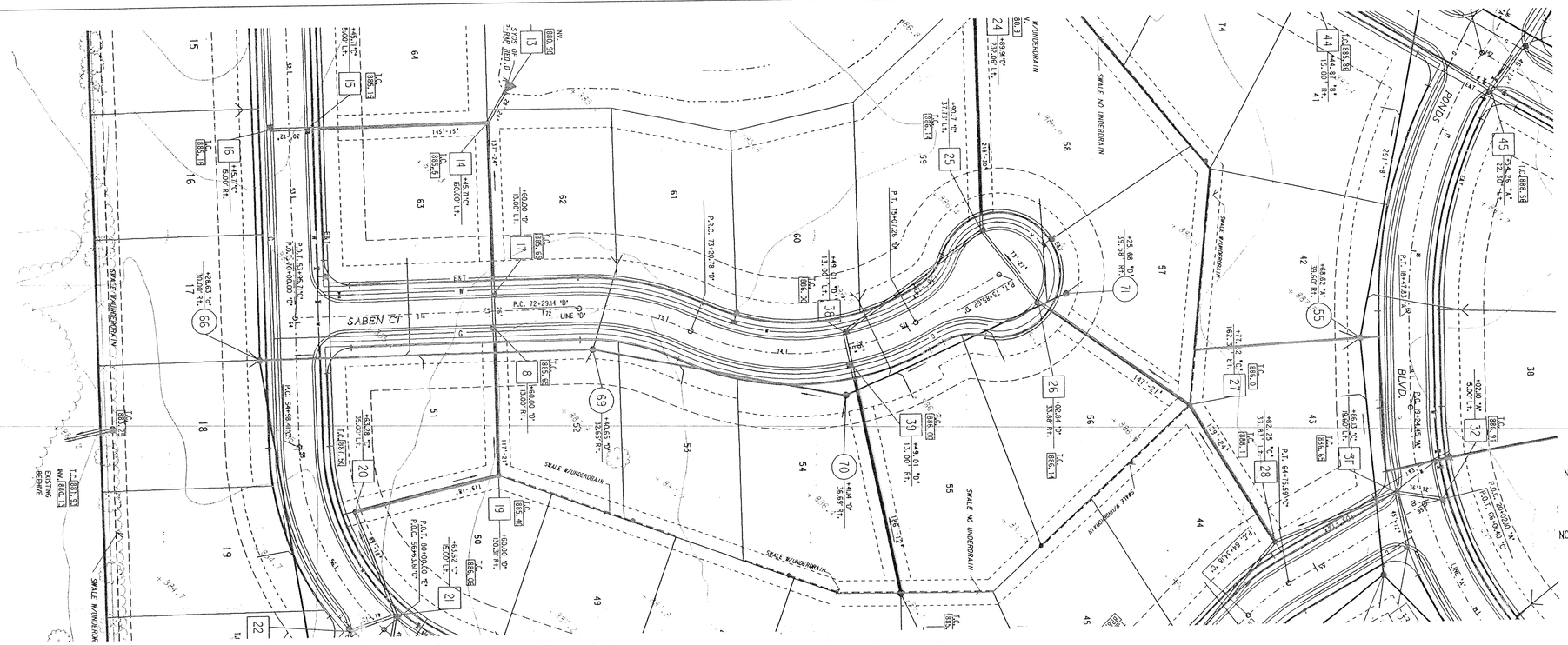

Storm AS-BUILTS

NOTES:

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GRANULAR BACKFILL REQUIRED

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20 MPH DESIGN SPEED

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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

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Entry Date 7-12-04

Entered by JDH

DENNIS M. NEIDIGH REGISTERED 13325 STATE OF INDIANA PROFESSIONAL ENGINEER

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

MSE Engineering

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
84-0384	D	8	9	40384AP5	40384AST5

STREET AND CENTERLINE PLAN & PROFILES

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

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

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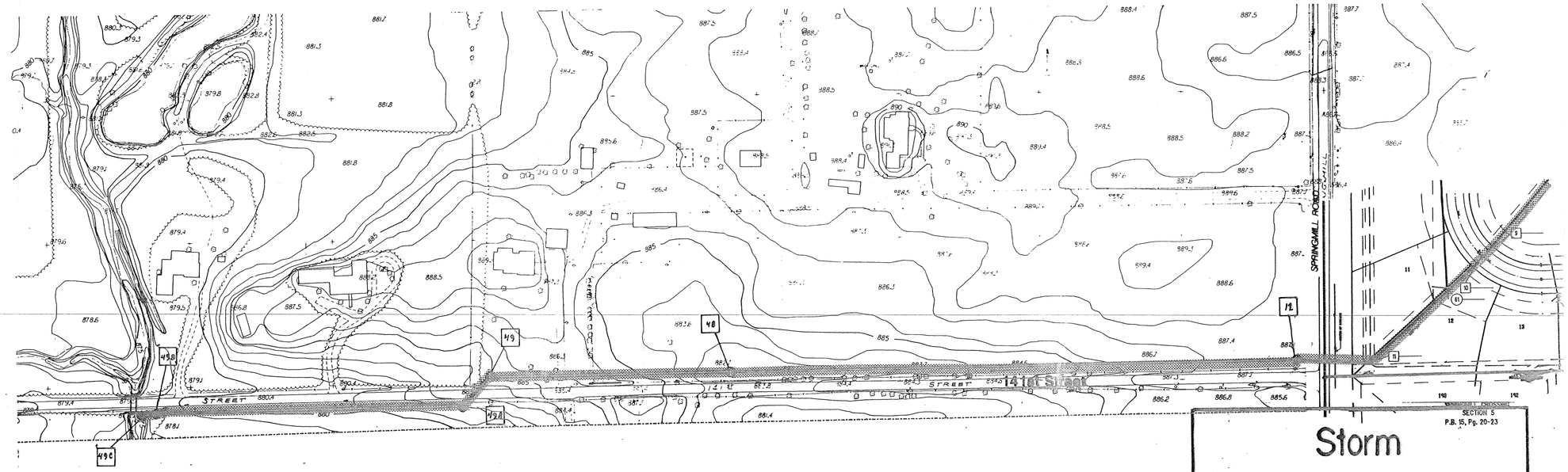
DRAWING NUMBER
Springmill Ponds Secs 1-2
3 of 3 #290

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07-0241
POSITION LOG OF PRINT ON THIS LINE

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



GRANULAR BACKFILL REQUIRED

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

Storm AS-BUILTS

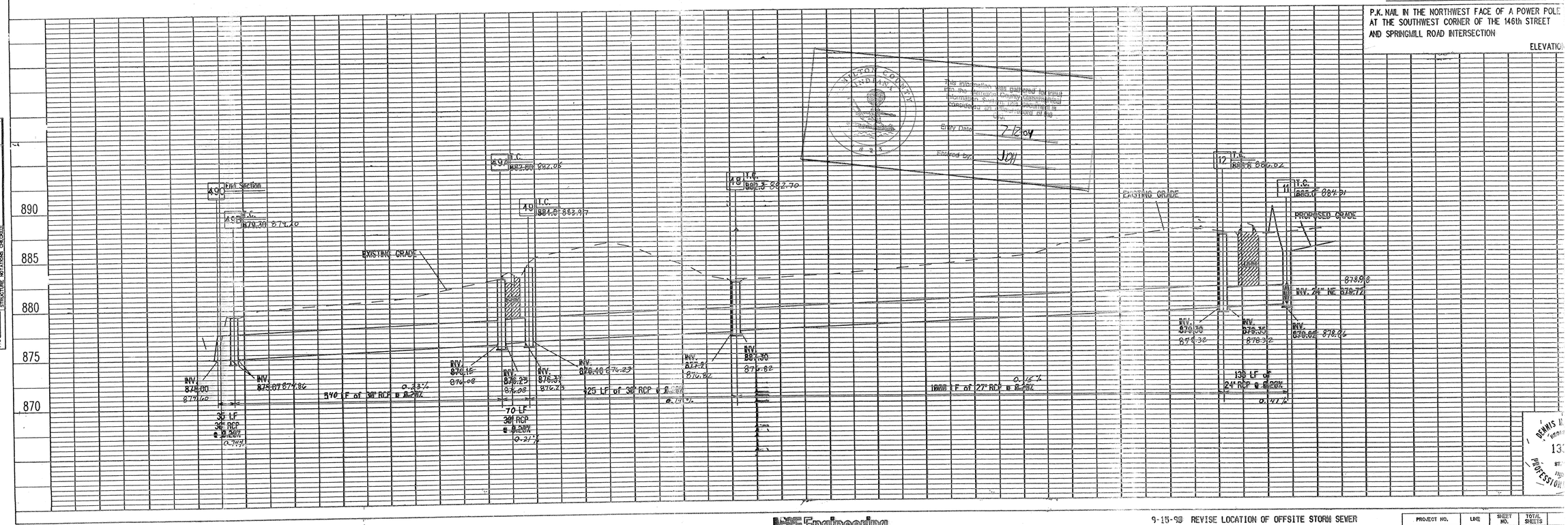
SCALE:
PL
PI

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

PROFILE		DATE
	SURVEYED	
	PLOTTED	
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS CHECKED	
	BY:	



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Entry Date 7-12-04
Entered by JDM

DENNIS M. [illegible]
13[illegible]
PROFESSIONAL

MSE Engineering

9-15-90 REVISE LOCATION OF OFFSITE STORM SEWER
9/21/90 Revise location of Structures 49A & 49B

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS
114-0384	B	2 of 9	2 of 9

OFFSITE STO
PLAN &

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SURVEYOR'S OFFICE

Hamilton County

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

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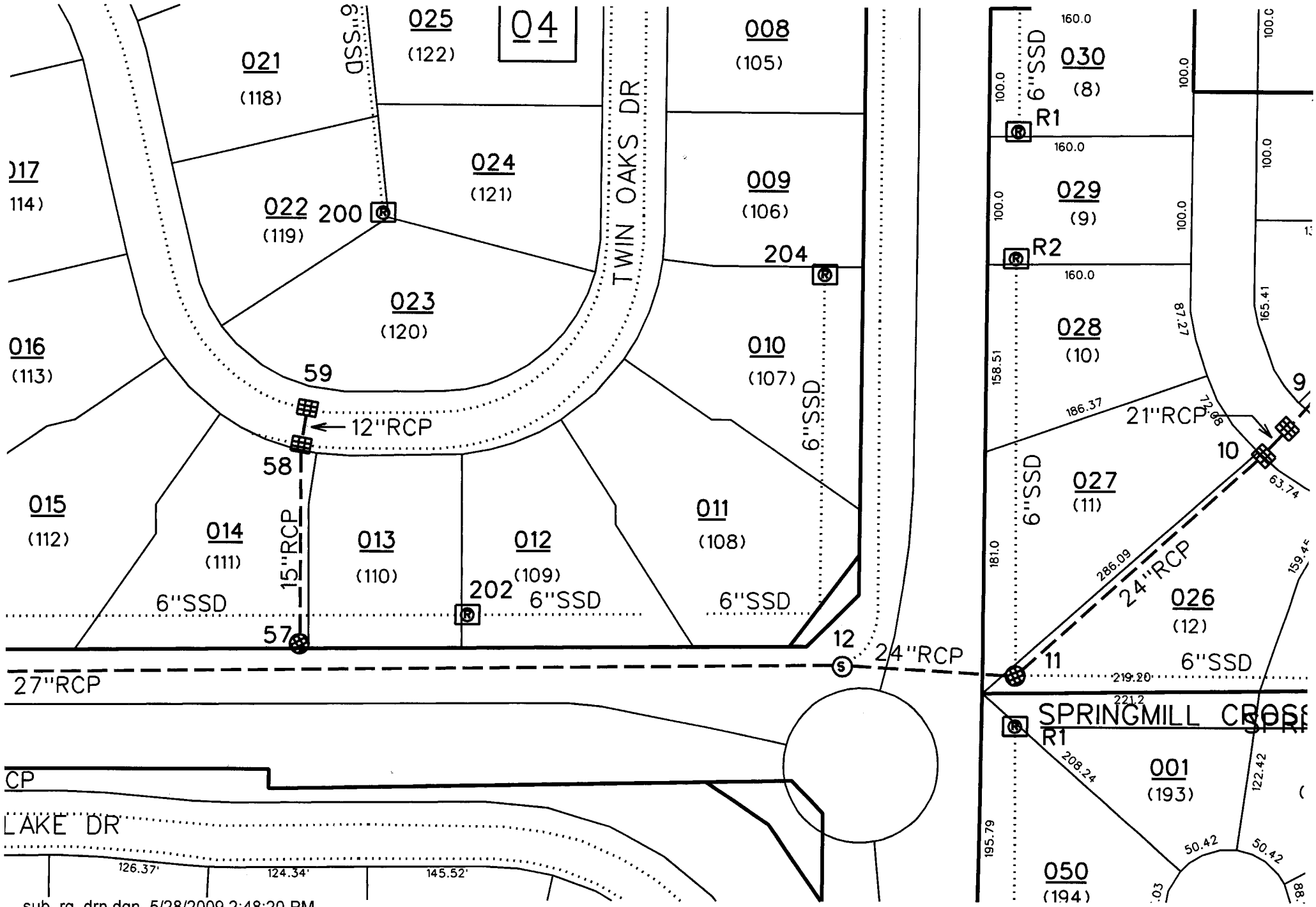

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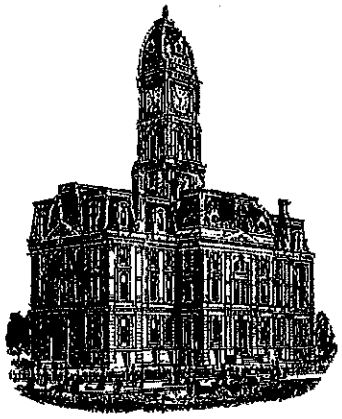

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, CFM
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Phone (317) 776-8495
Fax (317) 776-9628

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

Map Correction-Field Verification

Drain Number: 315

Drain Length: 7564

Drain Name: Springmill Ponds Sec. 2

Change + / -: 134

Date: 09-10-2019

New Length: 7698

Verified By: SAB, SLM

Notes & Sketch: SEE ATTACHED

A work order was issued (WO-2019-00325) to investigate and repair the rear yard SSD across lot 34 (1509 Springmill Ponds Blvd). The as-builts were incorrectly drawn to show a rear yard swale without an SSD. The SSD was discovered to have been installed with a riser at the north end of the lot.

Suzanne L. Mills
GIS Specialist

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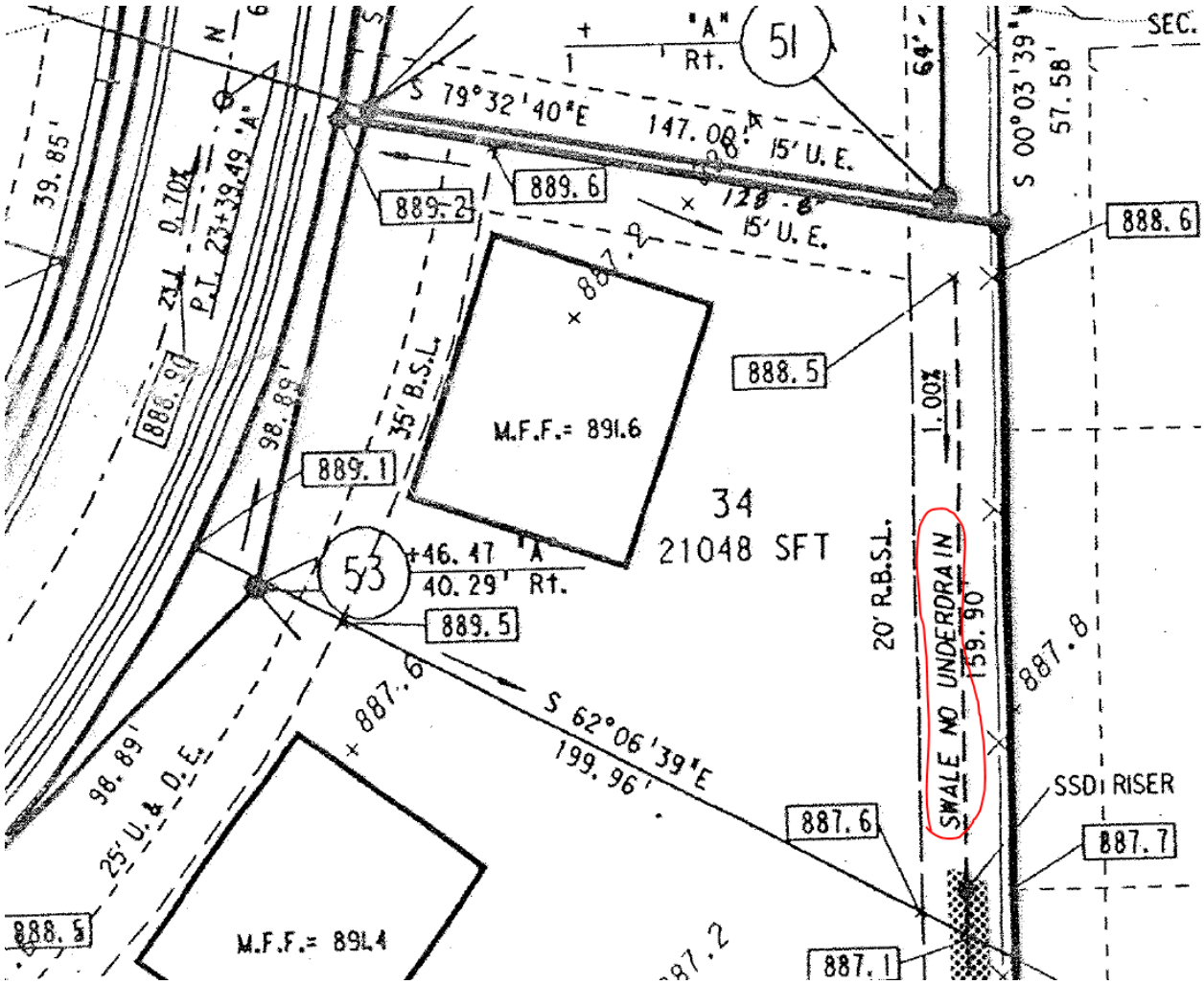

INCORRECT ASBUILT DRAWING AND NOTATION.

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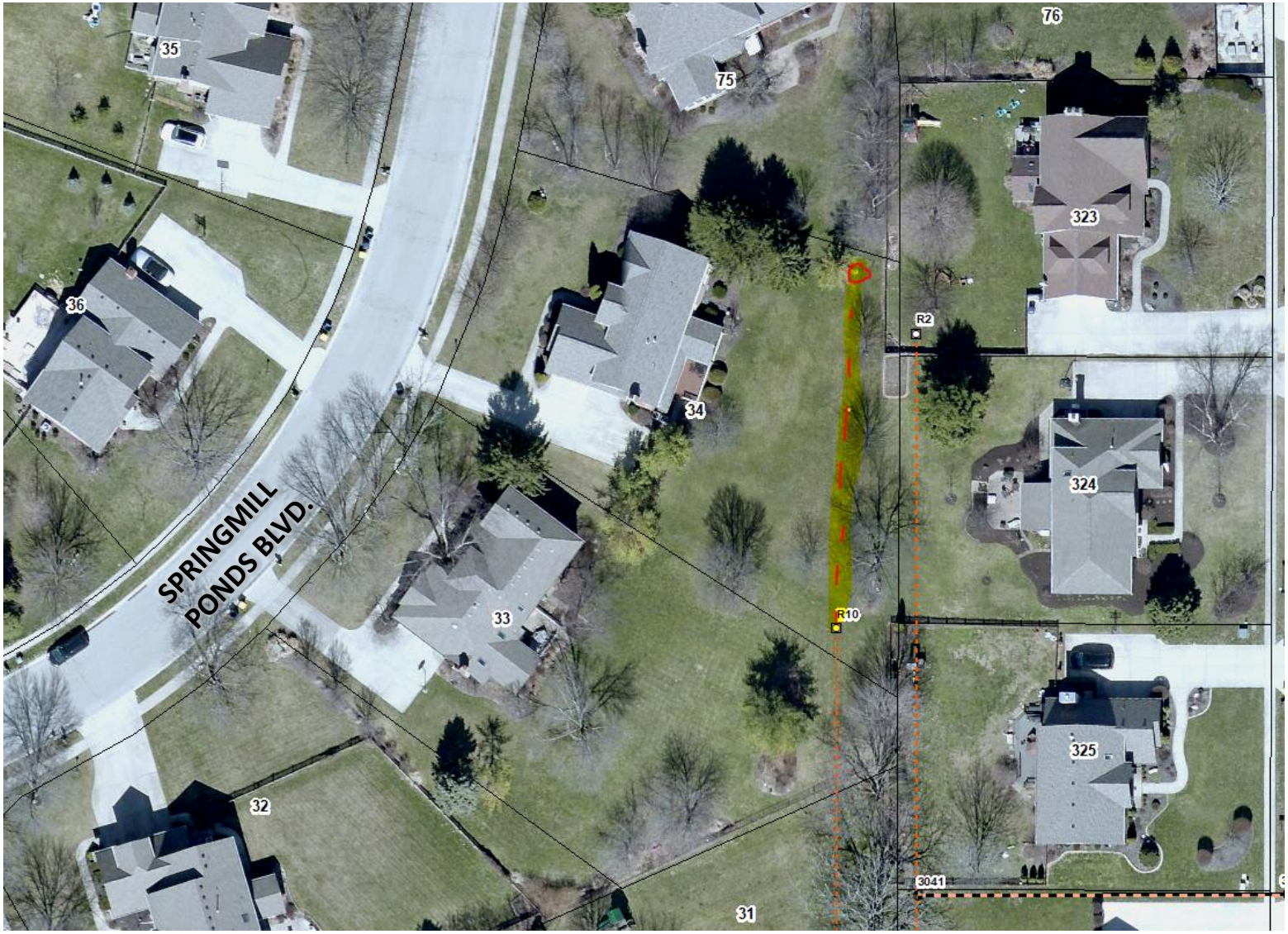

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#315 SPRINGMILL PONDS SEC. 2

Printing Date: 09/10/2019
Prepared By: Suzanne Mills, GISP
Hamilton County Surveyor's Office
One Hamilton County Square, Ste 188
Noblesville, IN 46060
317-776-8495

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