Drain: BENTLEY OAKS 247
Improvement: Bentley Oaks Sec. 1
Operator: JIM SNOUFFER / JARED LIVINGSTON
Date: 9-18-3
CLASS URBAN
YEAR CONST 1991 ASBUILT ID 114-0450

GIS Drain Input Checklist

- Digitize & Attribute Tile Drains — N/A
- Digitize & Attribute Storm Drains — 9-19-03
- Digitize & Attribute SSD — 9-25-03
- Digitize & Attribute Open Ditch — 9-25-03
- Sum drain lengths & Validate — 9-25-03
- Enter Improvements into Posse — 9-25-03
- Enter Drain Age into Posse — 9-25-03
- Sum drain length for Watershed in Posse — 9-25-03
- Stamp Plans — 9-25-03
- Pull Source Documents for Scanning — 9-25-03

QC'd Summary
11-21-2003
SLM OK ✓

* STR 202-203 12" 59 FT
* STR 214 - 215 12" 32 FT

Additional

Map changes

* Digitize/Rectify 6" SSD ✓
* STR 102-101 - needs new feature (storm instead of ssd) ✓
* digitize pond ✓
* Str. 106-110 Label 24" ✓
Str 115-117 Label 12" ✓
Str 107 - needs removed - Strait pipe from 108-105 @ 31' - 30" RCP ✓
* digitize ssd under curbs + put laterals for rear yard ssd ✓

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: BENTLEY OAKS

Drain Type:	Size:	Length (Source Docs)	Length (Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	12"	943.34'	943.34'			
	15"	110.66'	110.66'			
	18"	335.89'	335.89'			
	24"	159.91'	159.91'			
	30"	698.35'	698.35'			
OPEN DITCH	—	950'	950'			
SSD	6"	9349'	9349'			
SWALE	—	110'	110'			

Sum: 12657.15'

Final Report: _____

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SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

776-9626

942 Maple Avenue
Noblesville, Indiana 46060

February 11, 1992

5/18/92
9:55am

TO: Hamilton County Drainage Board

RE: Bentley Oaks Drain

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Bentley Oaks 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 consists of the following:

6"	SSD	9349 ft	21"	RCP	159 ft
12"	RCP	848 ft	30"	RCP	703 ft
15"	RCP	157 ft	Rip Rap-Swale		110 ft
18"	RCP	335 ft	Open Ditch		950 ft

The total length of the drain will be 12,611 feet.

The subsurface drains (SSD) which shall become part of the regulated drain are those sections under or along the curb of the streets, including 136th Street. Those SSD's in rear yards shall also become part of the regulated drain. Only the main lines of the SSD shall be considered as regulated drains. Laterals off the main lines shall be considered private drains and shall be the responsibility of the Homeowner.

The open ditch listed above is the open ditch running through the tract owned by Frank K Regan, 09-26-00-00-003.000.

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The open ditch which is part of this drain extends from the riprap swale and follows the existing open ditch to its intersection with the open ditch running from the intersection of Oak Ridge Road and 236th Street to U.S. #31.

The lake is not to be considered part of the regulated drain. The Board shall maintain the inlets into the lake and outlet from the lake. The Board shall reserve the ability to ensure that no unauthorized structures or fill occurs which will be detrimental to the facilities capacity and function as a detention facility. The Homeowners Association shall be responsible for the maintenance of the lakes.

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 $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 1538.56 .

At sometime in the future, the tracts benefitted by this drain, may also be assessed to the Village of Mount Carmel Drain. If the drainage facility of the Bentley Oaks Drain are not included in the proposed Village of Mount Carmel Drain, then the tracts for Bentley Oaks shall be assessed for both drains.

I recommend the Board designated this as an Urban Drain and that a hearing be set for May 1992. I also recommend the Board approve the attached non-enforcement of easement request at the time of hearing.

Kenton C. Ward
Hamilton County Surveyor

KCW/no

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First Federal Savings Bank

Released 12/16/91

STANDBY LETTER OF CREDIT

Irrevocable Letter of Credit No. 1017 Date: May 21, 1991

BENEFICIARY

Hamilton County
Board of Commissioners
Noblesville, In.

FOR ACCOUNT OF

Bentley Oaks Development Co., Inc.
P.O. Box 604
Carmel, In. 46032

We hereby establish our Irrevocable Letter of Credit in your favor, for the account indicated above, for a sum or sums not exceeding an aggregate amount of $95,000.00 (Ninety Five Thousand and 00/100 US Dollars).

Funds are available by your draft(s) at First Federal Savings Bank of Kokomo of Kokomo, Indiana.

Drafts are to be accompanied by:

1. The original of this letter of Credit No. 1017.

2. Beneficiary's signed statement stating that " Bentley Oaks Development Corp, Inc. has failed to complete installation of required storm drainage.

All drafts drawn under this Letter of Credit are to be endorsed hereon and shall bear the clause; "Drawn under First Federal Savings Bank of Kokomo of Kokomo Indiana Letter of Credit No. 1017 " and must be drawn and presented at this office on or before May 20, 1992.

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 other wise expressly stated herein, this credit is subject to the Uniform Customers and Practice for Documentary Credits (1984 Revision), International Chamber of Commerce, Publication No. 400.

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

DATE 6/3/91

Very truly yours,

Duane A. Davis
Vice President
Commercial / Consumer Loans

ATTEST: HAMILTON COUNTY AUDITOR

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200 W. Mulberry • P.O. Box 730 • Kokomo, Indiana 46903-0730 • 317-457-5551

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

May 12, 1997

Re: Bentley Oaks Drain - Sec. 1 Arm

Attached are as-builts and other information for Bentley Oaks Sec. 1. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain which will alter the plans submitted with my report for this drain dated February 11, 1992. The changes are as follows: The 12" RCP is now 872.34' feet. The 15" RCP is now 110.66' feet. The 18" RCP is now 335.89' feet. The 24" RCP is now 159.91' feet. The 30" RCP is now 698.35 feet. Structure 107 was not constructed.

The length of the drain due to the changes described above is now **12,586.15 feet.**

The non-enforcement was approved by the Board at its meeting on May 18, 1992 and recorded under instrument #9226238.

The bond or letter of credit from First Federal Savings Bank, number 1017, dated May 21, 1991, in the amount of $95,000.00, was released December 16, 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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Asbuilt Structures

Project: Bentley Oaks * SEE attached sheet

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:

6" SSD Streets:

SSD okay

Total: _____

6" SSD Lots:

Total: 9349

RCP Pipe Totals:

12"	872.34
15"	110.66
18"	335.89
24"	159.91
30"	698.35

Other Drain:	
Swale	110'
Open Ditch	950'

Total Length of Drain: 12,586.15'

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Asbuilts
BENTLY OAKS

STR #'S	DIST	DIFF IN ELEV.	% GRADE	PIPE SIZE
120-106	38.73	1.30'	3.36%	12" RCP ✓
106-105	126.82	2.31'	1.82%	12" RCP ✓
105-104	22.12	0.13	0.59%	30" ~~28~~" RCP
104-103	145.23	0.63'	0.43%	30" ~~28~~" RCP
102-101	71.38'	0.05'	0.07%	15" RCP
119-109	34.86'	1.44'	4.13%	12" RCP ✓
109-108	150.48'	2.67'	1.77%	12" RCP ✓
108-110	159.91'	1.05'	0.66%	24" RCP
110-111	36.30'	0.50'	1.38%	18" RCP
110-112	39.28'	0.58	1.48%	15" RCP
111-114	196.72'	1.14	0.58%	18" RCP
114-115	102.87'	0.57	0.55%	18" RCP
115-116	35.69'	0.03	0.08%	12" RCP
115-117	42.88'	0.01	0.02%	12" RCP
117-118	224.87'	0.67	0.30%	12" RCP
118-SSD(N)	351.62'	—		
112-113	218.01'	1.15	0.53%	12" RCP
108 - 105	STR 107 not Found		531'	30"

* note: Didnot obtain TC's FOR RISER'S

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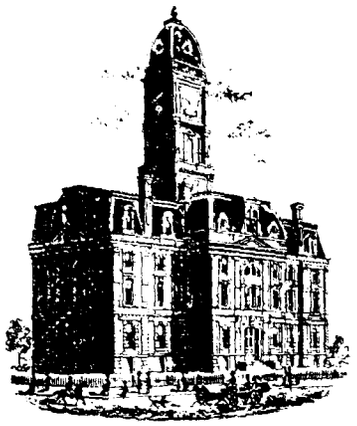

SURVEYOR'S OFFICE

Hamilton County

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

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

To: Hamilton County Drainage Board **April 4, 2006**

Re: Bently Oaks Drain: Sec. 1 Arm (Revised Final Report)

Attached are as-builts, certificate of completion & compliance, and other information for Bentley Oaks Section 1. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated February 11, 1992. The report was approved by the Board at the hearing held May 18, 1992. (See Drainage Board Minutes Book 3, Page 21)
The changes are reflective of the initial final report dated May 12, 1997, the map correction dated September 25, 2003 and a new correction to the open drain footage. The corrections are as follows:

12" RCP – 943.34'	15" RCP – 110.66'	18" RCP – 335.89'	24" RCP – 159.91'
30" RCP – 698.35'	6" SSD – 9349'	Swale – 110'	Open Ditch – 1221'

The length of the drain due to the changes described above is now **12,928.15 feet**.

The non-enforcement was approved by the Board at its meeting on May 18, 1992 ecorded under instrument #9226238.

The following sureties were guaranteed by First Federal Savings Bank and released by the Board on its December 16, 1991 meeting.

Bond-LC No: 1017
Insured For: Storm Sewers
Amount: $95,000.00
Issue Date: May 21, 1991

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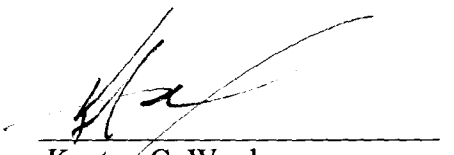
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

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NW CORNER NE 1/4
SECTION 26, T-18-N, R-3-E
PK NAIL FOUND

THISTLEWOOD

THISTLEWOOD DRIVE

136th STREET

S 88°35'23"W 668.43'

EXISTING LIFT STATION

CENTRAL CHRISTIAN CHURCH

VILLAGES OF MT. CARMEL

VILLAGE DRIVE

Sta. 10+00.00 'A'

Sta. 40+00.00 'C'

Sta. 10+15.00 'A'

BENTLEY OAKS
CURVE DATA

CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
A	90°00'00"	175.00	175.00	274.89	247.49	N 43°35'23" E
A-1	18°34'22"	135.00	22.07	43.76	43.57	N 30°54'43" E
A-2	40°24'11"	215.00	79.11	151.61	148.49	N 29°49'52" E
B	14°28'44"	480.00	60.97	121.30	120.98	S 81°21'01" W
B-1	14°28'44"	455.00	57.80	114.98	114.68	S 81°21'01" E
B-2	14°28'44"	505.00	64.15	127.62	127.28	S 81°21'01" W
C	18°50'59"	450.00	74.70	148.05	147.38	N 83°32'09" E
C-1	18°50'59"	425.00	70.55	139.82	139.19	N 83°32'09" E
C-2	18°50'59"	475.00	78.85	156.27	155.57	N 83°32'09" E
D	54°17'40"	358.21	183.68	339.45	326.89	S 65°48'48" W
D-1	34°54'41"	358.21	112.64	218.27	214.91	S 75°30'18" W
D-2	19°22'59"	358.21	61.18	121.18	120.61	S 48°21'28" W
D-3	54°17'40"	333.21	170.86	315.76	304.08	S 65°48'48" W
D-4	28°30'35"	383.21	97.36	190.68	188.72	S 78°42'21" W
D-5	12°58'09"	383.21	43.56	86.74	86.56	S 45°09'03" W
E	140°38'59"	160.00	447.48	392.77	301.32	N 71°00'32" W
E-1	81°26'51"	160.00	137.74	227.45	208.78	N 79°23'27" E
E-2	59°12'02"	160.00	90.89	165.32	158.06	S 30°17'03" E
E-3	135°27'40"	135.00	329.67	319.17	249.86	N 73°36'12" W
E-4	68°46'08"	185.00	126.60	222.04	208.95	N 73°03'02" E
E-5	44°26'41"	185.00	75.58	143.51	139.93	S 24°58'55" E
F	78°51'37"	20.00	16.48	27.56	25.43	N 49°06'55" E
G	37°22'02"	215.00	72.70	140.22	137.75	N 75°12'40" E
H	17°19'11"	20.00	16.00	26.99	24.99	S 68°46'31" W
J	36°44'49"	48.00	15.94	30.79	30.26	S 11°44'31" W
K	263°41'58"	50.00	------	230.12	74.49	S 59°53'05" E
L	25°32'00"	48.00	10.73	21.11	20.94	S 59°21'54" W
M	77°19'11"	20.00	16.00	26.99	24.99	S 08°32'40" E
N	32°17'20"	48.00	13.89	27.05	26.69	S 18°54'14" E
P	263°36'38"	50.00	------	230.04	74.54	S 89°02'49" W
R	46°43'30"	48.00	20.73	39.14	38.07	N 17°29'23" E
S	83°38'33"	20.00	17.90	29.20	26.67	N 09°48'51" E
T	90°00'00"	20.00	20.00	31.42	28.28	S 46°24'36" E
U	90°00'00"	20.00	20.00	31.42	28.28	N 43°35'23" E
V	83°32'31"	20.00	17.86	29.16	26.65	N 73°46'41" W
W	48°23'29"	179.65	80.72	151.73	147.26	N 64°23'39" E
X	113°02'08"	20.00	30.24	39.46	33.36	N 34°53'32" W
Y	30°35'49"	145.00	39.66	77.43	76.52	S 16°42'31" E
Y-1	30°35'49"	120.00	32.82	64.08	63.32	S 16°42'31" E
Y-2	21°43'28"	170.00	32.62	64.46	64.07	S 17°14'45" E

LOT 1 — 0.30 Ac. (13257 SFT) PAD ELEV. 875.5
LOT 2 — 0.36 Ac. (15865 SFT) PAD ELEV. 873.4
LOT 3 — 0.28 Ac. (12280 SFT) PAD ELEV. 873.1
LOT 4 — 0.22 Ac. (9763 SFT) PAD ELEV. 872.7
LOT 5 — 0.22 Ac. (9765 SFT) PAD ELEV. 872.3
LOT 6 — 0.22 Ac. (9449 SFT) PAD ELEV. 873.4
LOT 7 — 0.22 Ac. (9490 SFT) PAD ELEV. 875.2
LOT 8 — 0.22 Ac. (9377 SFT) PAD ELEV. 878.0
LOT 9 — 0.22 Ac. (9625 SFT) PAD ELEV. 877.5
LOT 10 — 0.25 Ac. (11003 SFT) PAD ELEV. 879.4
LOT 11 — 0.29 Ac. (12567 SFT) PAD ELEV. 879.5
LOT 12 — 0.34 Ac. (14694 SFT) PAD ELEV. 878.5
LOT 13 — 0.36 Ac. (15663 SFT) PAD ELEV. 877.5
LOT 14 — 0.36 Ac. (15750 SFT) PAD ELEV. 876.5
LOT 15 — 0.33 Ac. (14213 SFT) PAD ELEV. 875.4
LOT 16 — 0.27 Ac. (11776 SFT) PAD ELEV. 875.9
LOT 17 — 0.26 Ac. (11291 SFT) PAD ELEV. 876.4
LOT 18 — 0.29 Ac. (12847 SFT) PAD ELEV. 876.8
LOT 19 — 0.32 Ac. (13913 SFT) PAD ELEV. 876.5
LOT 20 — 0.26 Ac. (11186 SFT) PAD ELEV. 876.4
LOT 21 — 0.42 Ac. (18283 SFT) PAD ELEV. 877.4
LOT 22 — 0.30 Ac. (12972 SFT) PAD ELEV. 877.0
LOT 23 — 0.23 Ac. (9889 SFT) PAD ELEV. 877.3
LOT 24 — 0.31 Ac. (13686 SFT) PAD ELEV. 876.2
LOT 25 — 0.23 Ac. (10218 SFT) PAD ELEV. 877.0
LOT 26 — 0.22 Ac. (9380 SFT) PAD ELEV. 877.0
LOT 27 — 0.23 Ac. (9884 SFT) PAD ELEV. 878.0
LOT 28 — 0.31 Ac. (13393 SFT) PAD ELEV. 878.9
LOT 29 — 0.29 Ac. (12598 SFT) PAD ELEV. 878.3
LOT 30 — 0.23 Ac. (10159 SFT) PAD ELEV. 878.0
LOT 31 — 0.23 Ac. (9970 SFT) PAD ELEV. 877.1
LOT 32 — 0.25 Ac. (10934 SFT) PAD ELEV. 877.8
LOT 33 — 0.27 Ac. (11615 SFT) PAD ELEV. 877.2
LOT 34 — 0.24 Ac. (10615 SFT) PAD ELEV. 877.3
LOT 35 — 0.24 Ac. (10575 SFT) PAD ELEV. 877.4
LOT 36 — 0.26 Ac. (11260 SFT) PAD ELEV. 877.3
LOT 37 — 0.30 Ac. (12957 SFT) PAD ELEV. 876.7
LOT 38 — 0.24 Ac. (10386 SFT) PAD ELEV. 876.6
LOT 39 — 0.29 Ac. (12621 SFT) PAD ELEV. 877.9
LOT 40 — 0.28 Ac. (12259 SFT) PAD ELEV. 879.0
LOT 41 — 0.29 Ac. (12624 SFT) PAD ELEV. 880.5
LOT 42 — 0.30 Ac. (12975 SFT) PAD ELEV. 880.5
LOT 43 — 0.29 Ac. (12592 SFT) PAD ELEV. 879.5
LOT 44 — 0.26 Ac. (11333 SFT) PAD ELEV. 878.4
LOT 45 — 0.23 Ac. (10023 SFT) PAD ELEV. 879.0
LOT 46 — 0.22 Ac. (9433 SFT) PAD ELEV. 876.0
LOT 47 — 0.22 Ac. (9388 SFT) PAD ELEV. 874.0
LOT 48 — 0.22 Ac. (9480 SFT) PAD ELEV. 873.5
LOT 49 — 0.22 Ac. (9399 SFT) PAD ELEV. 874.5
COMMON AREA A — 0.06 Ac. (2532 SFT)
COMMON AREA B — 0.13 Ac. (5750 SFT)
COMMON AREA L — 0.03 Ac.
COMMON AREA L — 1.03 Ac. (45067 SFT)

LAKE
NORMAL POOL = 864.50
BOTTOM = 850.00
100 YEAR = 866.00

INV. 864.50

10 SYDS OF RIP-RAP REQ.D

4' WIDE RIP RAP DITCH

INV. 864.00

10 SYDS OF RIP-RAP REQ.D

N 36°27'16"E 30.00'

S 53°32'44"E 465.31'

S 88°35'23"W 522.50'

S 64°35'59"W 131.28'

Δ = 11°55'09"
R = 3036.83'
T = 317.46'
L = 632.53'
Ch = 631.48'
Brg = S 64°35'59"W

0 50' 100'

De Pauw UNIVERSITY
BOOK 362 PAGE 408

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.	

STREET NAME	LENGTH
BENTLEY WAY	1753.50'
SILVER SPUR	176.91'
CONTINENTAL WAY	297.56'

NOTE: ALL UNDERDRAIN ALONG STREETS TO BE 6" IN DIAMETER.

HAMILTON COUNTY INDIANA 1823

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: 9-25-03
Entered by: JWL

FILED
DEC 0 / 1991
OFFICE OF HAMILTON COUNTY SURVEYOR

Revisions and Dates	Designed by: GEM	Drawn by: MAL	Checked by: BEH	Approved by: RLF	Date: JANUARY 4, 1991

RICHARD L. FIDLER REGISTERED No. S0257 STATE OF INDIANA LAND SURVEYOR

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

Title:
SITE DEVELOPMENT PLAN FOR BENTLEY OAKS

Scale: 1" = 60' Job No.: 114-0450 Sheet No.: 3 of 13

DGN: 40450SDP PRF: 40450SDP

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DAVE HELD
STEVE BARNES

NW CORNER NE 1/4
SECTION 26, T-18-N, R-3-E
PK NAIL FOUND

STR 206 · STR 207 · STR 208 · STR 209 · STR 210 · STR 211 · STR 212 · STR 213 · STR 205 · STR 201 · STR 202 · STR 203 · STR 204 · STR 214

THISTLEWOOD DRIVE · EXISTING LIFT STATION · CENTRAL CHRISTIAN CHURCH · VILLAGES OF MT. CARMEL · VILLAGE DRIVE · BENTLEY WAY · CONTINENTAL WAY · SILVER SPUR · SOUTHERLY LINE OF U.S. OVERLAY ZONE PER SECTION 4.02.08 OF THE CARMEL ZONING ORDINANCE

De Pauw University
BOOK 362 PAGE 408

BENTLEY OAKS CURVE DATA

CURVE	DELTA	RADIUS	TANGENT	LENGTH	CHORD	BEARING
A	90°00'00"	175.00	175.00	274.89	247.49	N 45°35'23" E
B	90°00'00"	130.00	22.01	43.76	43.57	N 30°54'45" E
C	40°24'11"	215.00	79.11	151.61	148.49	N 29°49'52" E
B-1	14°28'44"	480.00	60.97	121.30	120.98	S 81°21'01" W
B-2	14°28'44"	455.00	57.80	114.98	114.68	N 81°21'01" W
B-3	14°28'44"	505.00	64.15	127.62	127.28	S 81°21'01" W
C-1	18°50'59"	450.00	74.70	148.06	147.38	N 83°32'08" E
C-2	18°50'59"	425.00	70.55	139.82	139.19	N 83°59'09" E
C-3	18°50'59"	475.00	78.85	156.27	155.57	S 83°32'08" E
D	54°17'40"	358.21	183.68	339.45	326.89	S 65°48'48" W
D-1	54°54'41"	358.21	112.64	218.23	214.91	S 75°30'18" W
D-2	54°54'41"	358.21	61.18	121.18	120.61	S 48°21'28" W
D-3	54°17'40"	333.21	170.86	315.76	304.08	S 65°48'48" W
D-4	28°30'35"	383.21	97.36	190.68	188.72	S 78°42'01" W
D-5	12°56'06"	383.21	43.56	86.54	86.35	S 45°05'03" W
E	140°38'58"	160.00	447.48	392.77	301.32	N 71°00'32" W
E-1	81°26'53"	160.00	137.74	227.45	208.78	N 75°23'23" E
E-2	58°12'00"	160.00	90.89	162.52	155.56	S 30°17'03" E
E-3	135°27'40"	135.00	329.61	319.17	249.86	N 73°36'12" W
E-4	68°46'08"	185.00	126.60	222.04	208.95	N 73°09'02" E
E-5	44°26'41"	185.00	75.58	143.51	139.93	S 24°56'55" W
F	78°51'37"	20.00	16.48	27.56	25.43	N 49°06'35" E
G	85°28'02"	215.00	72.70	140.22	137.75	N 75°12'40" E
H	77°19'11"	20.00	16.00	26.99	24.99	S 68°46'51" W
J	36°44'49"	48.00	15.94	30.79	30.26	S 11°44'31" W
K	263°41'58"	50.00	------	230.12	74.49	S 59°53'05" E
L	85°32'00"	48.00	10.73	21.11	20.94	S 59°21'54" W
M	77°19'11"	20.00	16.00	26.99	24.99	S 08°32'40" E
P	263°36'38"	50.00	------	230.04	74.54	S 89°02'49" W
R	46°43'30"	48.00	20.73	39.14	38.07	N 17°29'23" E
S	83°38'33"	20.00	17.90	29.20	26.67	N 05°48'51" E
T	90°00'00"	20.00	20.00	31.42	28.28	S 46°24'36" E
U&V	90°00'00"	20.00	20.00	31.42	28.28	N 43°35'23" E
W	83°32'31"	20.00	17.86	29.16	26.65	N 73°46'41" W
X	48°23'29"	179.65	80.72	151.73	147.26	N 64°23'39" E
X-1	86°13'02"	20.00	30.24	39.46	33.36	N 34°53'32" W
Y	30°35'45"	145.00	39.86	77.43	76.52	S 16°42'31" E
Y-1	30°35'45"	120.00	32.82	64.08	63.32	S 16°42'31" E
Y-2	21°43'28"	170.00	32.62	64.46	64.07	S 17°14'45" E

2 OPTIONS
LAUREL CASTINGS
& CATCH BASIN TOPS
GREAT CASTINGS

SSD OUTLET TO CREEK

SSD OUTLET NEEDS GMP

SITE OK CAPTIVE CASTING #4342

NO 19's or 17's

(60')

10 SYDS OF RIP-RAP REQ'D

RIPRAP
Remove Tree

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.		

STREET NAME	LENGTH
BENTLEY WAY	1753.50'
CONTINENTAL WAY	297.56'
SILVER SPUR	176.91'

NOTE: All underdrain along streets to be 6" in diameter.

HAMILTON COUNTY INDIANA 1823

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: 9-25-03

Entered by: JWL

FILED
MAY 29 1991
OFFICE OF HAMILTON COUNTY SURVEYOR

Revisions and Dates	Designed by:
	Drawn by:
	Checked by:
	Approved by:

RICHARD L. FISHER — NO. 50951 — REGISTERED LAND SURVEYOR — STATE OF INDIANA
Date: JANUARY 4, 1991

Engineering
Incorporation
301 E. Carmel Drive
Suite 110
Carmel, IN 46032
317 844-1480
317 844-1448 FAX

Title:
SITE DEVELOPMENT PLAN
FOR
BENTLEY OAKS

Scale: 1" = 60' · Job No.: 114-0450 · Sheet No.: 3 of 13

DGN: 40450SDP PRF: 40450SDP

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PLAN

NO.	REVISION	AUTHORITY, I.E.A.M.S. RT. OF WAY CHECKED	BY	DATE

PROFILE

NO.	REVISION	AUTHORITY, I.E.A.M.S. STRUCTURE, NOT ALIGNING CHECKED	BY	DATE

NOTE BOOK, CROSS CHECKED
PLOTTED
CHECKED

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

GBR - GRANULAR BACKFILL REQUIRED

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.

Street Name	Length
Bentley Way	1753.50'
Continental Way	297.50'
Silver Spur	176.91'

20 MPH DESIGN SPEED

SCALE:
PLAN: 1" = 60'
PROFILE:
VERTICAL 1" = 5'
HORIZONTAL 1" = 50'

BENCH MARK DESCRIPTION

ELEVATION = _____

HAMILTON COUNTY INDIANA 1823

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Entry Date: 9-25-03
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RICHARD L. TOLLE No. S0257 STATE OF INDIANA LAND SURVEYOR

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
84-0450	A	6	13	10450PP2	10450PP2

FILED

CERTIFIED HAMILTON COUNTY SURVEYOR

STREET

MSD Engineering

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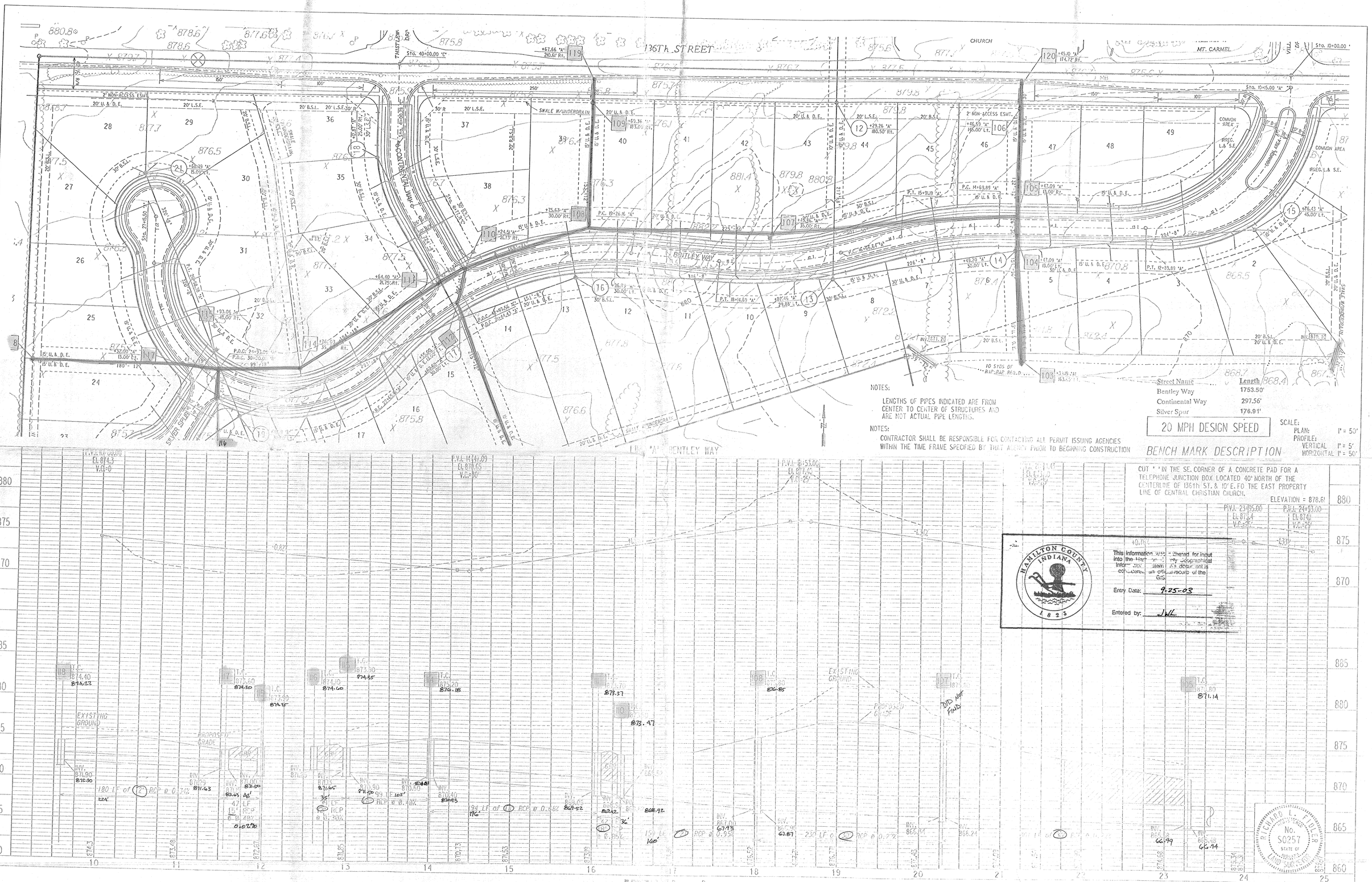
#14
E 18" RCP 5.15
W 18" RCP 5.25



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

Street Name	Length
Bentley Way	1753.50'
Continental Way	297.56'
Silver Spur	176.91'

20 MPH DESIGN SPEED

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

BENCH MARK DESCRIPTION

CUT " " IN THE SE. CORNER OF A CONCRETE PAD FOR A TELEPHONE JUNCTION BOX LOCATED 40' NORTH OF THE CENTERLINE OF 136th ST. & 10' E. FO THE EAST PROPERTY LINE OF CENTRAL CHRISTIAN CHURCH.

ELEVATION = 878.61

HAMILTON COUNTY INDIANA 1823

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Entry Date: 9-25-03

Entered by: JWL

RICHARD L. FIDLER REGISTERED No. S0257 STATE OF INDIANA LAND SURVEYOR

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

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BLM'S NOTED / STRUCTURE NOTATIONS CHECKED — NOTE BOOK NO. — BY — DATE

MSF Engineering

PROJECT NO.	LINE	SHEET NO.	TOTAL SHEETS	DGN	PRF
14-0450	A	5	13	40450PPI	40450PPI

FILED
MAY 24 1991
OFFICE OF HAMILTON COUNTY SURVEYOR

STREET
STORM AND CENTERLINE PLAN & PROFILES

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