



Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

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

December 2, 2004

TO: Hamilton County Drainage Board

RE: J.W. Brendel Drain, Stanford Park Section 1 Arm

Attached is a petition filed by Platinum Properties LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Stanford Park Section 1 Arm, J.W. Brendel Drain to be located in Clay Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway, and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

12"	RCP	2,366 ft.	24"	RCP	1,927 ft.
15"	RCP	757 ft.	30"	RCP	208 ft.
18"	RCP	725 ft.	6"	SSD	10,363 ft.
21"	RCP	702 ft			-

The total length of the drain will be 17,048 feet.

The retention ponds (lake) located in Common Area 2 & 3 are to be considered part of the regulated drain. The maintenance of the pond (lake), such as mowing, will be the responsibility of the Homeowners Association. The Board will retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments. The Board shall also maintain the inlets and outlets and erosion control protection on the banks.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$10.00 per acre for common areas and platted lots, \$10.00 per acre for roadways, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$7,667.90

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties which are in the form of a Performance Bond/Letter of Credit are as follows:

Agent: Lexon Insurance Company

Date: July 19, 2004 Number: 1009217

For: Storm Sewers, Erosion Control, SSD, and Monuments and Markers

Amount: \$342,200.00

Parcels assessed for this drain may be assessed for the Long Brach Drain at sometime in the future.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

To gain a proper outlet for this site, the developer will need to reconstruct a portion of the J.W. Brendel – Shelborne Park Section 1 Arm. The reconstruction will involve removing and reinstalling, at a lower slope, the section of pipe from structure 828 to 828A of the Shelborne Park Section 1 Arm which is shown on sheet C603 of the Stanford Park Section 1 development plan at structure 828A and 215. The reconstruction will add 8 feet of 24" RCP to the J.W. Brendel – Shelborne Park Section 1 Arm. The pipe will remain in the same easement, as shown on the Shelborne Park Section 1 Plat, recorded in the office of the Hamilton County Recorder.

This reconstruction will be paid by Platinum Properties and will effect tracts Lot 7, 17-09-29-00-01-007.000, James & Christine Zoccola and Lot 8, 17-09-29-00-01-008.000, Brandon & Michelle Tiek.

This will also involve construction of part of the length of pipe between Str. 215 and 214 on the above referenced sheet C603 across Lot 8. All offsite work located in Shelborne Park shall be preformed in existing platted drainage easement.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Stanford Park Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 24, 2004.

Kenton C. Ward

Hamilton County Surveyor

KCW/pll

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Stanford Park, Section 1, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

- 1. To provide the Drainage Board a Performance Bond or Non-Revocable Letter of Credit for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 120% of the Engineer's estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
- 2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.
- 3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain file.
- 4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" Mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
- 5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioners cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain as per IC 36-9-27-69(d).

RECORDED OWNER(S) OF LAND INVOLVED

L. B.		
Signed Bragen	Signed	
Ken Brasseur		
Printed Name	Printed Name	
October 14, 2004		
Date	Date	
Signed	Signed	
Printed Name	Printed Name	
Date	Date	·

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

J. W. Brendle Drain, Stanford Park Section 1 Arm

On this **24th day of January 2005**, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the **J. W. Brendle Drain**, **Stanford Park Section 1 Arm**.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD

President

Member

Member

STATE OF INDIANA			BEFORE THE HAMILTON COUNTY
COUNTY OF HAMILTON	,	ss:	DRAINAGE BOARD NOBLESVILLE, INDIANA
TM	_		

IN THE MATTER OF THE RECONSTRUCTION OF THE

J. W. Brendle Drain, Stanford Park Section 1 Arm

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *J. W. Brendle Drain, Stanford Park Section 1 Arm* came before the Hamilton County Drainage Board for hearing *on January 24, 2005,* on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the J. W. Brendle Drain, Stanford Park Section 1 Arm be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD

PRESIDENT

Member

Membèr

ATTEST: Syeth Mahre



October 4, 2004

Mr. Kent Ward, L.S. Hamilton County Surveyor's Office One Hamilton County Square Noblesville, In 46060-2230

Re: Stanford Park - Section 1

Dear Mr. Ward:

The following represents the Engineer's Estimate for the costs of improvements for the above referenced project. The estimate is as follows:

	Cost
Storm Sewer	\$ 221,600.00
Monuments and Markers	\$ 7,600.00
Subsurface Drains	\$ 47,600.00
Erosion Control	\$ 65,400.00

Total Cost for the above improvements \$342,200.00

If you have any questions or comments, please do not hesitate to call me at 818-2907.

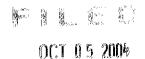
Sincerely,

Scott G. Murray, P.E.

Futt S. Mullay

Project Manager





OFFICE OF HAMDION COUNTY SERVICES



HCDB- 2004-00081

SUBDIVISION BOND

Bond No.: 1009217	Principal Amount: \$342,200.00
KNOW ALL MEN BY THESE PRESENTS, that	we
PPV, LLC 9551 Delegate's Row, Indianapolis, IN 46240	
as Principal, and	
Lexon Insurance Company	
1919 S. Highland Avenue, Bldg. A, Ste. 300, Lombia	ard, IL 60148 a TX
Corporation, as Surety, are held and firmly bound u	nto
Hamilton County Board of Commissioners	
One Hamition County Square, Noblesville, IN 4606	80
as Obligee, in the penal sum of	
Three Hundred Forty Two Thousand Two Hundred Do	
United States of America, for the navment of which	rs) (\$ 342,200.00), lawful money of the
United States of America, for the payment of which our heirs, executors, administrators, successors and	well and truly to be made, we bind ourselves,
presents.	assigns, jointly and severally, firmly by these
•	
WHEREAS, PPV, LLC	nas agreed to construct in
Stanford Park - Section 1 Subdivision, in Ha	milton County, IN the following
improvements:	
Storm sewer, monuments and markers, SSD and eros	ion control
Town, moramonic and markers, COD and Gros	noti control.
NOW, THEREFORE, THE CONDITION OF T	HIS OBLIGATION IS SUCH, that if the said
Principal shall construct, or have constructed, the im	provements herein described, and shall save the
Obligee harmless from any loss, cost or damage by r	eason of its failure to complete said work, then
this obligation shall be null and void, otherwise to reupon receipt of a resolution of the Obligee indicating	that the improvements have not been distinct.
or completed, will complete the improvements or pa	y to the Obligee such amount up to the
Principal amount of this bond which will allow the	Obligee to complete the improvements
Upon approval by the Obligee, this instrume	nt may be proportionately reduced as the public
improvements are completed.	•
Circuit contains and disease at the 10th of	luk. 0004
Signed, sealed and dated, this 19th day of	July , 20 <u>04</u>
PPV, LLC	Lexon Insurance Company
Principal /	Surety
J-0511	
By: Avan	By: Jem Dian
	Irene Diaz Attorney-in-Fact

POWER OF ATTORNEY

LX-010238

Lexon Insurance Company

	· · · · · · · · · · · · · · · · · · ·	
KNOW ALL MEN BY THESE PRESENTS, that LEX	ON INSURANCE COMPANY, a Texas Corporation, with	its principal office in
Louisville, Kentucky, does hereby constitute and appoint:	Michael J. Scheer, James I. Moore, Christine Woods, Ire	ene Diaz,
Bonnie Kruse, Stephen T. Kazmer, Dawn L. Morgan, Peggy F	Faust, Kelly A. Jacobs, Elaine Marcus, Jennifer J. McComb	, Mellissa Schimdt
its true and lawful Attorney(s)-In-Fact to make, execute, seal a other writings obligatory in nature of a bond.		
This authority is made under and by the authority INSURANCE COMPANY on the 1st day of July, 2003 as follows:	y of a resolution which was passed by the Board of ows:	Directors of LEXON
Resolved, that the President of the Company is here other person or persons as Attorney-In-Fact to execute on befor other writings obligatory in nature of a bond not to exceed \$ its duly elected officers, and affix the seal of the Company ther binding upon the Company as if they had been duly execute Attorney-In-Fact, so appointed, may be removed for good cau Attorney.	\$2,000,000.00, Two Million Dollars, which the Company mareto. Any said execution of such documents by an Attorned and acknowledged by the regularly elected officers of the control of the	ontracts of indemnity hight execute through ey-In-Fact shall be as
Resolved, that the signature of the President and the granted, and the signature of the Vice President, and the sea power and any such power or certificate bearing such facsim power so executed and sealed and certificate so executed and continue to be valid and binding on the Company.	nile signature and seal shall be valid and hinding on the	ortificate of any such
IN WITNESS THEREOF, LEXON INSURANCE CO Corporate Seal to be affixed this 2nd day of July, 2003.	DMPANY has caused this instrument to be signed by i	s President, and its
TEXAS INSURANCE COMPANY	BYDavid E. Ca	mpbell
ACKI	NOWLEDGEMENT	
On this 2nd day of July, 2003, before me, personally of say that he is the President of LEXON INSURANCE COMPATHAL that he executed said instrument on behalf of the corporation of "OFFICIAL SEAL" LYDIA J. DEJONG NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 1/12/2007	came David E. Campbell to me known, who being duly swant for the corporation described in and which executed the by authority of his office under the By-laws of said corpo	e above instrument:
	Lydia J. De CERTIFICATE Notary Pu	
I, the undersigned, Secretary of LEXON INSURANC original Power of Attorney of which the foregoing is a true an resolutions as set forth are now in force.	CE COMPANY, A Texas Insurance Company, DO HEREE and correct copy, is in full force and effect and has not be	SY CERTIFY that the sen revoked and the
Signed and Sealed at Lombard, Illinois this19th1	Day ofJuly, 2004	
TEXAS PO INSURANCE A COMPANY	Donald D. Bu	chanan

Donald D. Buchanan Secretary

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State of Illinois}
} ss.
County of Cook }

On <u>July 19, 2004</u>, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared <u>Irene Diaz</u> known to me to be Attorney-in-Fact of <u>Lexon Insurance Company</u> the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

My Commission Expires 11/06/06

Melissa Kotovsky, Notary Public

OFFICIAL SEAL
MELISSA KOTOVSKY
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 11-8-2006

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF J. W. Brendle Drain, Stanford Park Section 1 Arm

NOTICE

То	Whom	Ιt	May	Concern	and:	
						_

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the J. W. Brendle Drain, Stanford Park Section 1 Arm on January 24, 2005 at 9:15 A.M. in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD IN THE MATTER OF THE

J. W. Brendle Drain, Stanford Park Section 1 Arm

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **January 24**, 2005 has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY



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

Suite x 88 One Hamilton County Square Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

February 9, 2007

Re: JW Brendle Drain: Stanford Park Sec. 1

Attached are as-builts, certificate of completion & compliance, and other information for Stanford Park 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 December 2, 2004. The report was approved by the Board at the hearing held January 24, 2005. (See Drainage Board Minutes Book 8, Pages 156-158) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn_Invert	Grade:	Changes(ft):
110-111	30	12	RCP	911.22	911.16	0.2	
111-112	59	15	RCP	911.16	910.92	0.41	1
112-113	36	15	RCP	910.92	910.71	0.58	
113-114	114	15	RCP	910.71	910.34	0.32	-1
114-115	216	15	RCP	910.34	909.79	0.25	2
115-116	112	18	RCP	909.79	909.45	0.3	-2
106-107	43	21	RCP	909.45	909.29	0.37	1
107-108	131	24	RCP	909.29	908.89	0.31	1
108-109	83	24	RCP	908.89	908.72	0.2	-2
100-100A	95	12	RCP	911.58	911.2	0.4	1
100A-101	168	12	RCP	911.2	910.67	0.32	1
101-102	121	15	RCP	910.67	910.47	0.17	1
102-103	107	15	RCP	910.47	910.3	0.16	3
103-104	25	18	RCP	910.3	910.16	0.56	-1
104-105	34	18	RCP	910.16	909.95	0.62	
105-106	115	18	RCP	909.95	909.45	0.43	-1
103A-103	30	12	RCP	910.43	910.3	0.43	
149-150	112	12	RCP	910.09	909.8	0.26	
150-151	42	18	RCP	909.8	909.7	0.24	
151-152	131	21	RCP	909.7	909.3	0.31	1
152-153	84	21	RCP	909.3	908.88	0.5	-2
144-145	234	12	RCP	911.91	910.91	0.43	-3

145-146	115	12	RCP	910.91	910.19	0.62	
146-147	64	12	RCP	910.19	909.9	0.45	2
147-148	193	12	RCP	909.9	908.98	0.48	-5
143B-143A	36	12	RCP	915.95	915.33	1.72	
143A-143	39	12	RCP	915.33	915.13	0.51	2
216-143	304	24	RCP	908.93	908.75	0.06	4
143-157	283	24	RCP	908.75	908.49	0.09	-5
157-161	179	24	RCP	908.49	908.27	0.12	1
161-165	200	24	RCP	908.27	908.08	0.1	-2
165-171	196	24	RCP	908.08	97.76	0.16	1
141-142	30	12	RCP	913.6	913.34	0.87	
142-143	125	12	RCP	913.34	912.07	1.02	2
158-159	120	12	RCP	913.05	912.45	0.5	
159-160	36	12	RCP	912.45	912.12	0.91	
160-161	181	12	RCP	912.12	909.35	1.53	1
183-184	105	12	RCP	910.26	909.9	0.34	
184-185	30	18	RCP	909.9	909.69	0.7	-2
185-178	131	21	RCP	909.69	908.86	0.63	-1
178-179	103	24	RCP	908.86	908.65	0.2	
179-180	36	24	RCP	908.65	908.49	0.44	
180-180A	95	24	RCP	908.49	908.15	0.36	
180A-181	125	24	RCP	908.15	907.56	0.47	
182-176	269	12	RCP	912.27	910.41	0.69	-1
176-177	225	21	RCP	910.41	909.69	0.32	-3
177-178	191	24	RCP	909.69	908.86	0.43	1
173-174A	191	18	RCP	911.22	910.82	0.21	-2
174A-174	39	18	RCP	910.82	910.74	0.7	
174-175	36	18	RCP	910.74	910.67	0.19	
175-175A	37	21	RCP	910.67	910.51	0.43	1
175A-176	48	21	RCP	910.51	910.41	0.21	
187-188	93	12	RCP	911.18	910.63	0.59	
188-189	36	15	RCP	910.63	910.21	1.17	
189-177	76	15	RCP	910.21	909.69	0.68	2
192-193	35	12	RCP	913.42	912.85	1.63	-1
193-194	131	12	RCP	912.85	907.32	4.22	-2
191-180	121	12	RCP	910.9	910.22	0.56	-1
170-201	208	30	RCP	907.6	907.36	0.12	
214-215	97	18	RCP	907.63	907.53	0.1	
215-828	113	24	RCP	907.53	907.28	0.22	
All OOD 04		<u>-</u>	1	<u> </u>		DCD Ding	

6" SSD Streets:

Modesto	301
Stanford	1156
Burlinggame	643
Palo Alto	405
Windy Knoll	1858
Cardinal	665
x2	

Total:

10,056

RCP	Pipe	Totals:
-----	------	---------

RCP Pipe rotais:						
12	2362					
15	765					
18	721					
21	699					
24	2039					
30	208					

Total: 6794

The length of the drain due to the changes described above is now 16,850 feet.

The non-enforcement was approved by the Board at its meeting on January 24, 2005 and recorded under instrument #200500005638.

The following sureties were guaranteed by Lexon Insurance Company and released by the Board on its January 24, 2005 meeting.

Bond-LC No: 1009217

Insured For: Storm Sewers, Erosion Control, SSD & Monuments

Amount: \$342,200.00 **Issue Date:** July 19, 2004

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

Sincerely,

Kenton C. Ward

Hamilton County Surveyor

KCW/slm

CERTIFICATE OF COMPLETION AND COMPLIANCE

To:	Hamilton County Surveyor
Re:	Stanford Park, Section 1

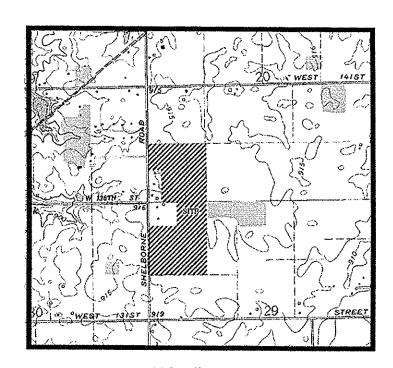
I hereby certify that:

- 1. I am a Registered Land Surveyor or Engineer 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.
- 4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.

Signature: Who W Danley	Date: September 1, 2005
Type or Print Name: Jeffory W. Darling	
Business Address: Stoeppelwerth & Associates, In	nc.
9940 Allisonville Road, Fisher	rs, Indiana 46038
Telephone Number: (317) 849-5935	_
SEAL	INDIANA REGISTRATION NUMBER
	900017
No. 900017 STATE OF ADJANA OF HER	

unitto, or again on conference for

STANFORD PARK SECTION 1



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NOT	TO	SCALE

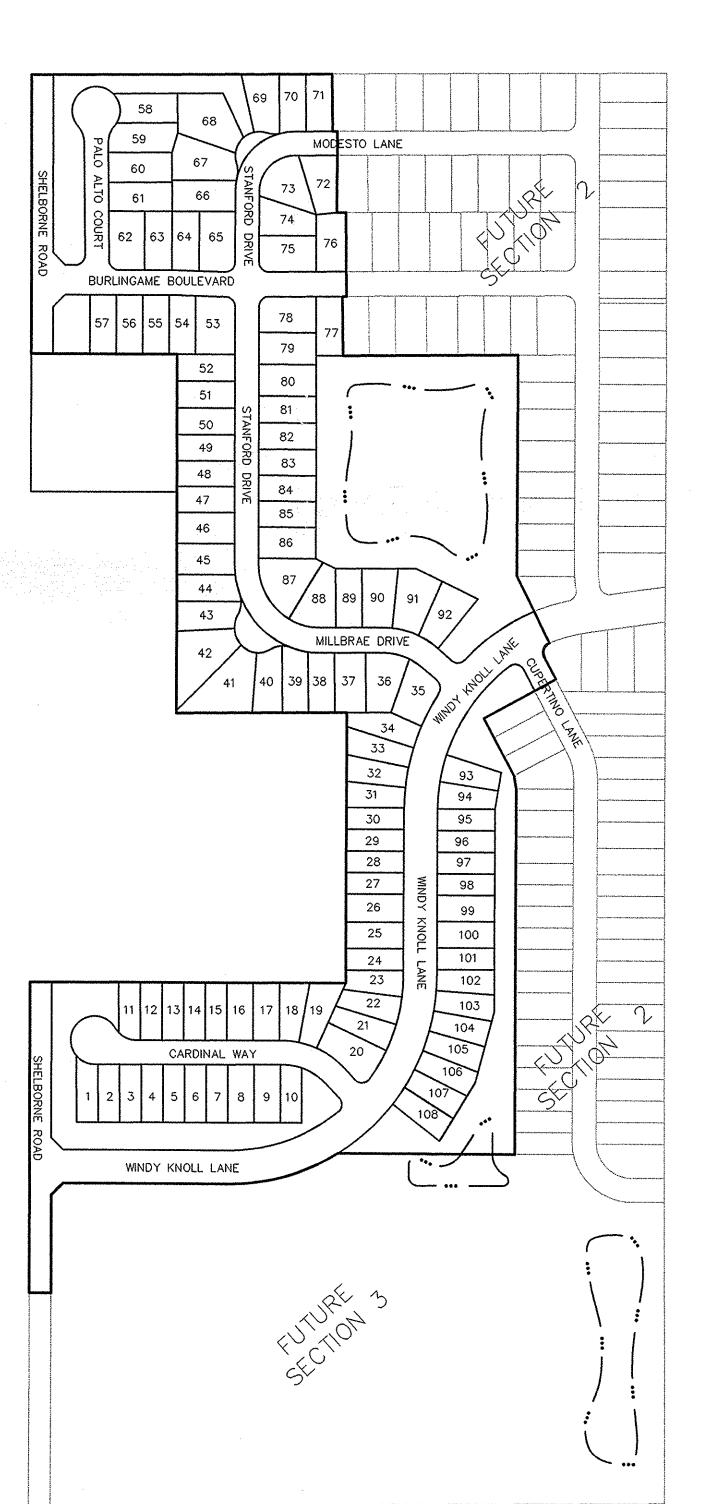
	INDEX	
SHT.	DESCRIPTION	***************************************
C001	COVER SHEET	
C100	TOPOGRAPHICAL SURVEY	
C200-C203	SITE DEVELOPMENT PLAN / FUTURE SITE DEVELOPMENT PLAN	
C300-C301	STORMWATER POLLUTION & PREVENTION PLAN & SPECS	
C400-C407	STREET PLAN & PROFILES / ENTRANCE PLAN & INTERSECTION DETAILS / TRAFFIC CONTROL / TRAFFIC MAINTENANCE / TRAFFIC DETAILS	
C500-C503	SANITARY SEWER PLAN & PROFILES	······································
C600-C603	STORM SEWER PLAN & PROFILES / OFFSITE DRAINAGE PLAN	
C700-C702	WATER PLANS	***************************************
C800-C804	CONSTRUCTION DETAILS SANITARY STORM STREET	
	LANDSCAPE PLANS	

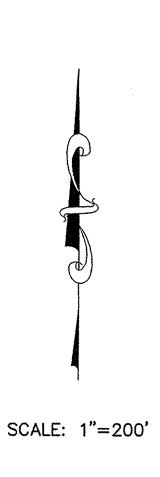
REVISIONS

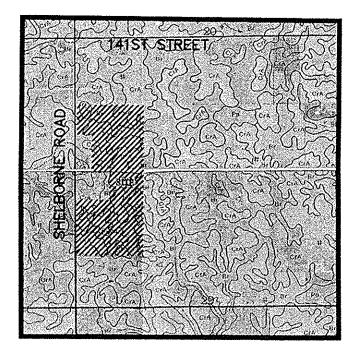
REVISIONS				
SHT.	DESCRIPTION			
ALL	REVISED PER TAC COMMENTS 6/14/04 BMK			
ALL	REVISED PER CARMEL CITY COMMENTS 7/14/04 KMC			
C200-C201 C600-C603	REVISED PER CROSSROADS COMMENTS 8/2/04 EEF			
ALL	REVISED PER CARMEL CITY COMMENTS 9/29/04 BAH			
C200-C201 C600-C603	AS BUILT 9/1/05 RKG			

Developed by: PLATINUM PROPERTIES L.L.C. 9551 DELEGATES ROW INDIANAPOLIS, INDIANA 46240

Phone: (317)-818-2900 Fax: (317)-818-2910 CONTACT: DOUG ELMORE







SOILS MAP NOT TO SCALE

- MmA Miami silt loam, 0-2 % slopes- This nearly level, deep, well drained soil is on slight rises on uplands. Permeability is moderate in the subscil and the substratum. Available water capacity is high. The main soil features that adversely affect engineering uses of this soil are moderate potential for frost action, moderate permeability, and moderate shrink-swell potential. This soil has severe limitations for local roads and streets. The base material needs to be strengthened with suitable material.
- Crosby silt loom, 0-3 percent slopes— this soil is light colored, silty in texture and on sloping uplands. It is deep and somewhat poorly drained with slow permeability. It has high available water for plant growth and medium organic matter content. The soil has compact till starting at a depth between 20 -40 inches. The main soil features that affect urban development uses are seasonal high water table, moderate shrink—swell potential, high potential frost action and slow permeability.
- Br Brookston silty clay loam— this soil is dark colored, silty in texture and on depressional uplands. It is deep and very poorly drained with moderate permeability. It has high available water for plant growth and high organic matter content. It has compact till starting at a depth of 40 to 60 inches. The main soil features that affect the urban development uses are seasonal high water table, high potential frost action, moderate shrink—swell potential, moderate permeability and ponded surface water.
- with moderate permeability. It has moderate available water for plant growth and a medium organic matter content. It has compact till starting at a depth between 20— 40 inches. The main soil features that adversely affect urban development uses are moderate potential frost action, moderate shrink—swell potential, moderately slow permeability, low strength and erosion during
- MmC2 Miami clay loam, 6-12 % sloped severely eroded— this moderately sloping, deep well draining soil is on knobs and breaks along streams and drainage ways on uplands. Permeability is moderate in the subsoil and moderately slow in the substratum. This soil is suitable for urban development. The main soil features that adversely affect the engineering uses of this soil are moderate potential frost action, moderate shrink—swell potential, and moderately slow permeability. The hazard of erosion is high during
- FxC3 Fox loam, 8 to 18 % slopes, severely eroded— This moderate sloping, well—drained soil is on side slopes adjacent to drainageways on terraces and in domelike areas on uplands. It is moderately deep over sand and gravelly sand. Permeability is moderate in the subsoil and rapid in the underlying material. Available water capacity is low. This soil has moderate limitations for urban development (Slope). Features that adversely affect engineering uses of this soil are moderate frost action, moderate shrink—swell potential, moderate permeability in the subsoil and very rapid permeability in the under lying material. Topsoil should be stockpiled for use in exposed areas.
- We Westland silty clay loam This nearly level, deep, very poorly drained soil is in depressions, swales, and narrow drainageways on outwash plains. Runoff from higher adjacent soils is ponded on this soil. Permeability is slow. The water table is commonly at the surface or is at a depth of less than one foot in winter and early spring. Availbale water capacity is high. Surface runoff is ponded or is very slow. The main soil features that adversely affect engineering uses of this soil are a seasonal high water table, high potential frost action, moderate shrink—swell potential, and slow permeability. The base material for roads needs to be
- OcA Ockley silt loam, 0-2 % slopes— This nearly level, deep well drained soil is mainly on broad terraces. Permeability and available water capacity is moderate. This soil is suitable for urban development. Features that adversely affect engineering uses of this soil are moderate frost action, moderate shrink—swell potential, moderate permeability in the subsoil and very rapid permeability in
- Oc82 Ockley silt loam, 2-6 % slope, eroded— This gently sloping, deep well drained soil is mainly on broad terraces. Permeability and available water capacity is moderate. This soil is suitable for urban development. Features that adversely affect engineering uses of this soil are moderate frost action, moderate shrink—swell potential, moderate permeability in the subsoil and very rapid permeability in the under lying material. This soil has severe limitations for local roads because of low strength. The base material of roads needs to be strengthened with suitable material.

SECTION 1 DESIGN DATA

34.512 AC.

= 3.13 LOTS/ACRE

WINDY KNOLL LANE CARDINAL WAY CUPERTINO LANE MILLBRAE DRIVE, STANFORD DRIVE& 1587.85 L.F. MODESTO LANE

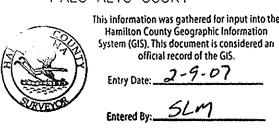
BURLINGAME BOULEVARD

657.49 L.F. 393.07 L.F.

1868.19 L.F.

675.31 L.F.

106.84 L.F.



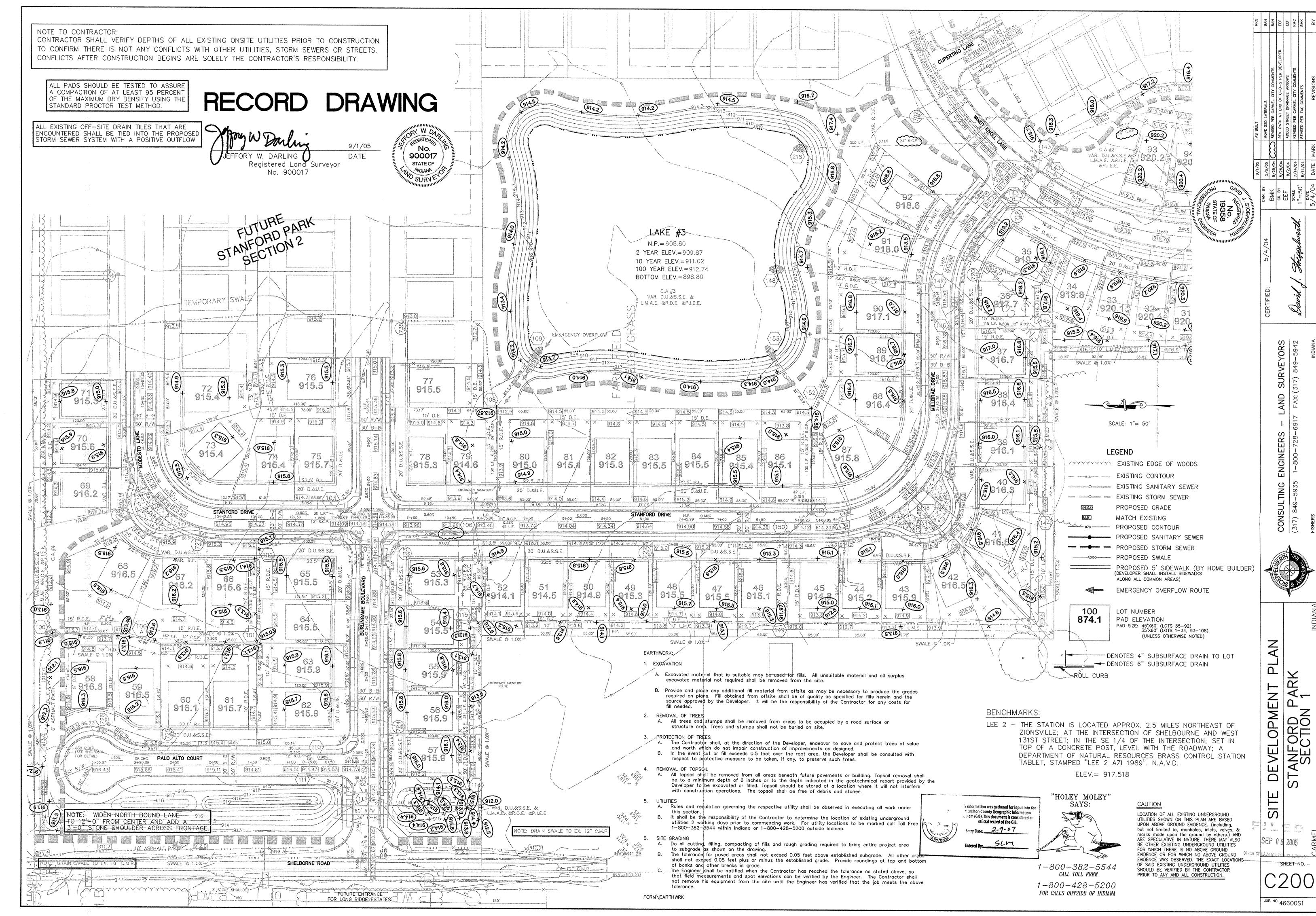


PLANS PREPARED BY:

STOEPPELWERTH & ASSOCIATES, INC. CONSULTING ENGINEERS & LAND SURVEYORS office of Hamblion county synterica 9940 ALLISONVILLE ROAD FISHERS, INDIANA 46038 PHONE: (317)-849-5935 FAX: (317)-849-5942



PROFESSIONAL ENGINEER NO. 19358



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