



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*

May 28, 2004

To: Hamilton County Drainage Board

Re: The Intracoastal at Geist Drain, Section 2B Arm

Attached is a petition filed by Centex Homes along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 2B Arm, The Intracoastal at Geist Drain to be located in Fall Creek Township. I have reviewed the submittals and petition and have found each to be in property 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 cost, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6" SSD	1,215 ft	24" CMP	28 ft	Open Ditch	160 ft
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The total length of the drain will be 1,403 feet.

The 24" CMP listed above is the culvert under east 113<sup>th</sup> Street. The open ditch is the swale located between this pipe and Structure 139 which was installed as part of the Intercoastal at Geist, Section 1 per my report to the Board dated October 14, 2002.

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 \$5.00 per acre for common areas (and platted lots), \$65.00 for platted lots, \$10.00 per acre for roadways, with a \$65.00 minimum per tract. With this assessment the total annual assessment for this drain/this section will be \$1,129.60.

The petition 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:

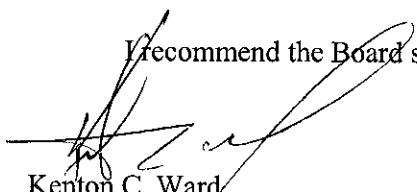
Agent: Arch Insurance Company  
Date: February 4, 2004  
Number: SU5005338  
For: Storm Sewers  
Amount: \$8,105.00

Agent: Arch Insurance Company  
Date: February 4, 2004  
Number: SU5005343  
For: Erosion Control  
Amount: \$3,636.00

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

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. This request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for The Intracoastal at Geist Section 2B as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for June 28, 2004.



Kenton C. Ward  
Hamilton County Surveyor

KCW/llm

# CENTEX HOMES

Corporate Office

8440 Allison Pointe  
Suite 200  
Indianapolis, IN 46250

Phone: 317-915-2200

February 5, 2004

Steve Cash  
Hamilton County Surveyor  
One Hamilton County Square  
Noblesville, IN 46060

**RE: The Intracoastal at Geist; Section 2B  
Engineer's Estimate and Performance Bonds**

Dear Mr. Cash:

Enclosed are the engineer's estimate and performance bonds no. SU 5005338, SU 5005339, & SU 5005340 in the amounts of \$8,105.00, \$3,636.00, & \$780.00 for storm sewer, erosion control, and monuments & markers for the above referenced project, which matches the amount shown on the engineer's estimate and are in the name of the Hamilton County Board of Commissioners.

Please contact me with any questions or concerns.

Sincerely,  
**CENTEX HOMES**



Gregg Lecher  
Land Development Estimator

GRL/grl

**FILED**  
**FEB 05 2004**  
OFFICE OF HAMILTON COUNTY SURVEYOR



# CONSULTING ENGINEERS • LAND SURVEYORS

David J. Stoeppelwerth, P.E., P.L.S.  
President, C.E.O.

Curtis C. Huff, P.L.S.  
Vice-President, C.O.O.

R.M. Stoeppelwerth, P.E., P.L.S.  
President Emeritus

January 29, 2004

Hamilton County Surveyor  
One Hamilton County Square  
Suite 188  
Noblesville, Indiana 46060

Attention: Jerry Liston

Re: The Intracoastal at Geist, Section 2B

Dear Mr. Liston:

Please accept the following Engineer's Estimate for The Intracoastal at Geist, Section 2B. The amounts are as follows:

## Engineer's Estimate: The Intracoastal at Geist Section 2B

Description	Quantity	Unit	Unit Price	Total
<b>Storm Sewer</b>				
4" x 6" Subsurface Drain Wyes	17	EA	\$47.50	\$807.50
4" Subsurface Drain Lateral w/ Bedding/Backfill	170	LF	\$5.00	\$850.00
6" Subsurface Curb Drain w/Bed/Backfill	1,205	LF	\$5.35	\$6,446.75
<b>Total</b>				<b>\$8,104.25</b>
<b>Erosion Control</b>				
Temporary Seeding	18,075	SF	\$0.04	\$723.00
Silt Fence	1,006	LF	\$1.25	\$1,257.50
Inlet Protection	1	LSUM	\$155.00	\$155.00
Construction Entrance	1	LSUM	\$1,500.00	\$1,500.00
<b>Total</b>				<b>\$3,635.50</b>
<b>Streets</b>				
Curb	1,205	LF	\$5.90	\$7,109.50
1" HAC Surface	2,057	SY	\$2.15	\$4,422.55
Tack Coat	2,057	SY	\$0.10	\$205.70

3" HAC Binder	2,057	SY	\$4.82	\$9,914.74
2.5" #53 Stone Base	2,343	SY	\$1.41	\$3,303.63
2.5" #53 Stone Base	2,057	SY	\$1.42	\$2,920.94
4" #2 Stone Base	2,343	SY	\$2.27	\$5,318.61
Stop Sign	1	EA	\$295.00	\$295.00
Street Name Sign	1	EA	\$495.00	\$495.00
Speed Limit Sign	2	EA	\$295.00	\$590.00
	<b>Total</b>			<b>\$34,575.67</b>

**Monuments/Markers**

Copperwelds	6	EA	\$130.00	\$780.00
	<b>Total</b>			<b>\$780.00</b>

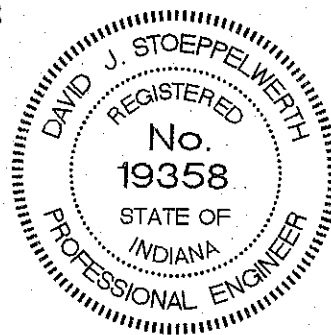
**Grand Total** **\$47,095.42**

Witness my signature this 29<sup>th</sup> day of JANUARY, 2004.

*David J. Stoepfelwerth*

David J. Stoepfelwerth  
 Professional Engineer  
 No. 19358

S/34090S2B/Agency/EngEst



**FILED**

**FEB 05 2004**

OFFICE OF HAMILTON COUNTY SURVEYOR

**SUBDIVISION BOND**

Bond No. SU 5005338

HCDB-2004-00007

KNOW ALL MEN BY THESE PRESENTS, that we CENTEX HOMES, a Nevada General Partnership

as Principal, and ARCH INSURANCE COMPANY

authorized to do business in the State of INDIANA, as Surety, are held and firmly bound unto

HAMILTON COUNTY BOARD OF COMMISSIONERS

as Obligee, in the penal sum of Eight Thousand One Hundred Five and 00/100

----- (\$ 8,105.00 ----- )

DOLLARS, lawful money of

the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CENTEX HOMES, a Nevada General Partnership

has agreed to construct in The Intracoastal at Geist, Section 2B

the following improvements: Storm Sewer

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described and shall save the Obligee harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void; otherwise to remain in full force and effect.

Signed, sealed and dated this 4th day of February, 2004.

CENTEX HOMES, a Nevada General Partnership

Principal

By: 

ARCH INSURANCE COMPANY

By: 

Allyson Dean

Attorney-in-Fact

## POWER OF ATTORNEY

Know All Men By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal office in Kansas City, Missouri (hereinafter referred to as the "Company") does hereby appoint

Brian M. Lebow, Deborah Griffith, Carmen Mims and Allyson Dean of Dallas, TX (EACH)

its true and lawful Attorney(s)-in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds and undertakings

EXCEPTION: NO AUTHORITY is granted to make, execute, seal and deliver bonds or undertakings that guarantee the payment or collection of any promissory note, check, draft or letter of credit.

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The Company may revoke this appointment at any time.

The execution of such bonds and undertakings in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office in Kansas City, Missouri.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on March 3, 2003, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings, obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on March 3, 2003:

VOTED, That the signature of the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on March 3, 2003, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company.

**SUBDIVISION BOND**

HCDB-2004-00008

Bond No. SU 5005339

KNOW ALL MEN BY THESE PRESENTS, that we CENTEX HOMES, a Nevada General Partnership

as Principal, and ARCH INSURANCE COMPANY

authorized to do business in the State of INDIANA, as Surety, are held and firmly bound unto

HAMILTON COUNTY BOARD OF COMMISSIONERS

as Obligee, in the penal sum of Three Thousand Six Hundred Thirty Six and 00/100 -----  
----- (\$ 3,636.00 ) DOLLARS, lawful money of

the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CENTEX HOMES, a Nevada General Partnership

has agreed to construct in The Intracoastal at Geist, Section 2B

the following improvements: Erosion Control

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described and shall save the Obligee harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void; otherwise to remain in full force and effect.

Signed, sealed and dated this 4th day of February, 2004.

CENTEX HOMES, a Nevada General Partnership

Principal

By: 

ARCH INSURANCE COMPANY

By: 

Allyson Dean

Attorney-in-Fact



# POWER OF ATTORNEY

Know All Men By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal office in Kansas City, Missouri (hereinafter referred to as the "Company") does hereby appoint Brian M. Lebow, Deborah Griffith, Carmen Mims and Allyson Dean of Dallas, TX (EACH)

its true and lawful Attorney(s)-in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds and undertakings

EXCEPTION: NO AUTHORITY is granted to make, execute, seal and deliver bonds or undertakings that guarantee the payment or collection of any promissory note, check, draft or letter of credit.

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The Company may revoke this appointment at any time.

The execution of such bonds and undertakings in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office in Kansas City, Missouri.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on March 3, 2003, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings, obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on March 3, 2003:

VOTED, That the signature of the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on March 3, 2003, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company.

**SUBDIVISION BOND**

Bond No. SU 5005340

HCDB-2004-00009

KNOW ALL MEN BY THESE PRESENTS, that we CENTEX HOMES, a Nevada General Partnership

as Principal, and ARCH INSURANCE COMPANY

authorized to do business in the State of INDIANA, as Surety, are held and firmly bound unto

HAMILTON COUNTY BOARD OF COMMISSIONERS

as Obligee, in the penal sum of Seven Hundred Eighty and 00/100

(\$ 780.00

) DOLLARS, lawful money of

the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CENTEX HOMES, a Nevada General Partnership

has agreed to construct in The Intracoastal at Geist, Section 2B

the following improvements: Monuments & Markers

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described and shall save the Obligee harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void; otherwise to remain in full force and effect.

Signed, sealed and dated this 4th day of February, 2004.

CENTEX HOMES, a Nevada General Partnership

Principal

By: 

ARCH INSURANCE COMPANY

By: 

Allyson Dean

Attorney-in-Fact

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Brian M. Lebow, Deborah Griffith, Carmen Mims and Allyson Dean of Dallas, TX (EACH)

its true and lawful Attorney(s)-in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds and undertakings

EXCEPTION: NO AUTHORITY is granted to make, execute, seal and deliver bonds or undertakings that guarantee the payment or collection of any promissory note, check, draft or letter of credit.

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The Company may revoke this appointment at any time.

The execution of such bonds and undertakings in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office in Kansas City, Missouri.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on March 3, 2003, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings, obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on March 3, 2003:

VOTED, That the signature of the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on March 3, 2003, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company.

In Testimony Whereof, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this 24th day of November, 2003.

Arch Insurance Company

Attested and Certified



*[Handwritten signature of Joseph S. Labell]*

Joseph S. Labell, Corporate Secretary

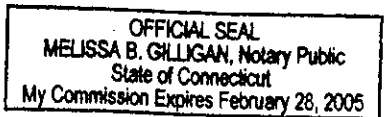
*[Handwritten signature of Thomas P. Luckstone]*

Thomas P. Luckstone, Vice President

STATE OF CONNECTICUT SS

COUNTY OF FAIRFIELD SS

I Melissa B. Gilligan, a Notary Public, do hereby certify that Thomas P. Luckstone and Joseph S. Labell personally known to me to be the same persons whose names are respectively as Vice President and Corporate Secretary of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.



*[Handwritten signature of Melissa B. Gilligan]*

Melissa B. Gilligan, Notary Public  
My commission expires 2-28-05

CERTIFICATION

I, Joseph S. Labell, Corporate Secretary of the Arch Insurance Company, do hereby certify that the attached Power of Attorney dated November 24, 2003 on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said Thomas P. Luckstone, who executed the Power of Attorney as Vice President, was on the date of execution of the attached Power of Attorney the duly elected Vice President of the Arch Insurance Company.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this 4TH day of FEBRUARY, 2004.

*[Handwritten signature of Joseph S. Labell]*

Joseph S. Labell, Corporate Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.



Home Office: Kansas City, MO

00ML0013 00 03 03

FINDINGS AND ORDER

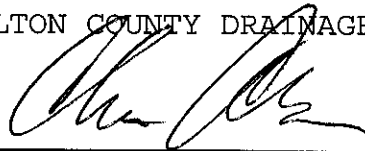
CONCERNING THE MAINTENANCE OF THE

The Intracoastal at Geist Drain, Section 2B Arm

On this *28th day of June, 2004*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Intracoastal at Geist Drain, Section 2B 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

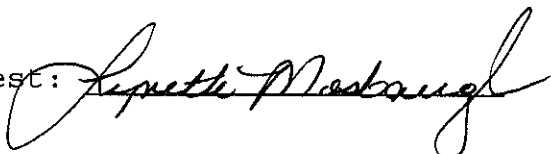


\_\_\_\_\_  
Member



\_\_\_\_\_  
Member

Attest:



BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF  
*Intracoastal at Geist Drain, Section 2B Arm*

NOTICE

To Whom It May Concern and: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Intracoastal at Geist Drain, Section 2B Arm**, on **June 28, 2004** at **9:05 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

*Intracoastal at Geist Drain, Section 2B*

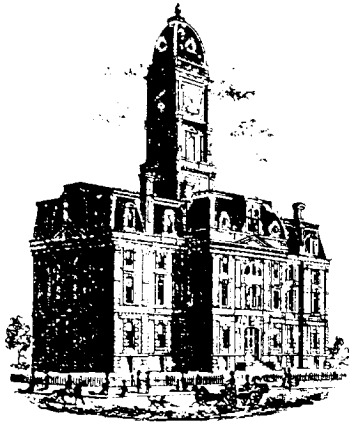
NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **June 28, 2004** 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



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

**To: Hamilton County Drainage Board**

**April 10, 2007**

**Re: Intracoastal at Geist: Section 2B**

Attached are as-builts, certificate of completion & compliance, and other information for Intracoastal at Geist Section 2B. 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 May 28, 2004. The report was approved by the Board at the hearing held June 28, 2004. (See Drainage Board Minutes Book 6, Pages 485-486)

The changes are as follows:

The SSD was lengthend to 1277 feet.

The length of the drain due to the changes described above is now **1465 feet**.

The non-enforcement was approved by the Board at its meeting on June 28, 2004 and recorded under instrument #200400058878.

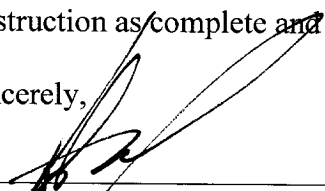
The following sureties were guaranteed by Arch Insurance Company and released by the Board on its May 22, 2006 meeting.

**Bond-LC No:** SU5005338  
**Insured For:** Storm Sewers  
**Amount:** \$8,105  
**Issue Date:** May 22, 2006

**Bond-LC No:** SU5005339  
**Insured For:** Erosion Control  
**Amount:** \$3,636  
**Issue Date:** May 22, 2006

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

Sincerely,




---

Kenton C. Ward, CFM  
 Hamilton County Surveyor



NOTE: CONTRACTOR SHALL STAMP THE LETTER "S" IN THE CURB PERPENDICULAR TO THE LATERAL MARKER.



- LEGEND**
- EXISTING CONTOUR
  - EXISTING SANITARY SEWER
  - EXISTING STORM SEWER
  - PROPOSED GRADE
  - PROPOSED CONTOUR
  - PROPOSED SANITARY SEWER
  - PROPOSED STORM SEWER
  - PROPOSED SWALE
  - PROPOSED 4' SIDEWALK (BY HOME BUILDER)
  - M.E. MATCH EXISTING

SCALE: 1" = 50'

31 LOT NUMBER  
 N.P. NO PAD  
 SPECIAL DRAINAGE (FROM REAR OF LOT TO FRONT AROUND HOUSE.)

MFF MINIMUM FINISH FIRST FLOOR ELEVATION  
 FLOOD PROTECTION GRADE=791.4  
 DENOTES 4" SUBSURFACE DRAIN TO LOT (PER HAMILTON COUNTY SURVEYOR'S OFFICE STANDARDS)  
 DENOTES 6" SUBSURFACE DRAIN  
 ROLL CURB

NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MOUNDS, LIGHT POLES, OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY.

NOTE: ALL OFF-SITE DRAIN TILES SHALL BE TIED INTO THE PROPOSED STORM SYSTEM OF THIS SECTION (WHERE APPLICABLE).

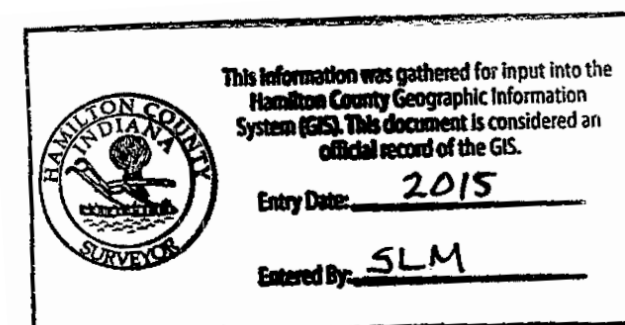
ALL PADS SHOULD BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.

- EARTHWORK:**
1. EXCAVATION
    - A. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
    - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
  2. REMOVAL OF TREES
    - A. All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
  3. PROTECTION OF TREES
    - A. The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
    - B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measure to be taken, if any, to preserve such trees.
  4. REMOVAL OF TOPSOIL
    - A. All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
  5. UTILITIES
    - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
    - B. It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
  6. SITE GRADING
    - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
    - B. The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
    - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

BENCHMARK:  
 (VERTICAL DATUM-NAVD1988)  
 HSE 9  
 HSE DISC IN CONCRETE AT WEST BOUNDARY OF THE INTRACOASTAL. SET 70± SOUTH OF 113TH STREET 1/4 MILE WEST OF FLORIDA ROAD.  
 ELEV.=808.39

(HORIZONTAL DATUM-NAD1983)  
 G217  
 CENTER OF SECTION 06-T17N-6E  
 5/8" REBAR(1996).

S.&A. #1  
 (VERTICAL DATUM-NAVD1988)  
 MINI-SPIKE IN THE SOUTH FACE OF POWER POLE 24" UP. 376± SOUTH OF 113TH STREET 446± WEST OF FLORIDA ROAD.  
 ELEV.=795.76



HAMILTON CO. SURVEYORS GUIDE  
 APPROVED  
 BY: [Signature]  
 JAN 29 2004

"HOLEY MOLEY" SAYS:  
  
 1-800-382-5544 CALL TOLL FREE  
 1-800-428-5200 FOR CALLS OUTSIDE OF INDIANA

CAUTION  
 LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE, (including, but not limited to, manholes, inlets, valves, & marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942  
 INDIANAPOLIS INDIANA  
 HAMILTON COUNTY INDIANA  
 SITE DEVELOPMENT PLAN  
 THE INTRACOASTAL AT GEIST SECTION 2B  
 SHEET NO. 3 OF 15 SHEETS  
 JOB NO. 34090  
 DATE: 11/18/02  
 MARK: [Blank]  
 REVISIONS: [Blank]  
 BY: [Blank]  
 CERTIFIED: 11/18/02  
 David J. Stappert  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 19358  
 STATE OF INDIANA