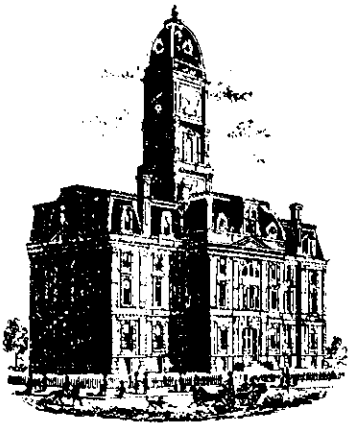


Drain: INTRACOASTAL AT GEIST Drain #: 334  
 Improvement/Arm: SECTIONS 2A, 2C & 3A  
 Operator: JH, JWL Date: 3-30-04  
 Drain Classification: Urban/Rural Year Installed: 2003

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JCH
- Digitize & Attribute Tile Drains \_\_\_\_\_
- Digitize & Attribute Storm Drains \_\_\_\_\_
- Digitize & Attribute SSD \_\_\_\_\_
- Digitize & Attribute Open Ditch \_\_\_\_\_
- Stamp Plans \_\_\_\_\_
- Sum drain lengths & Validate \_\_\_\_\_
- Enter Improvements into Posse LLM
- Enter Drain Age into Posse JWJ 5-20
- Sum drain length for Watershed in Posse JWJ 3-30
- Check Database entries for errors \_\_\_\_\_



SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, Surveyor*

October 23, 2003

*Suite 188*

*Phone (317) 776-8495*

*One Hamilton County Square*

*Fax (317) 776-9628*

*Noblesville, Indiana 46060-2230*

TO: Hamilton County Drainage Board

RE: The Intracoastal at Geist Drain, Section 2A 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 2A 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 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:

6" SSD	1,730 ft.	21" RCP	86 ft.
12" RCP	477 ft.	24" RCP	164 ft.

The total length of the drain will be 2,457 feet.

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 easement (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, \$65.00 for 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 \$1,203.30.

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:

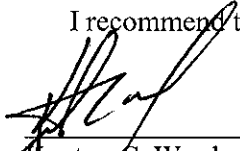
Agent: Safeco Insurance Company  
Date: August 8, 2003  
Number: 6236118  
For: Storm Sewer  
Amount: \$39,722.25

Agent: Safeco Insurance Company  
Date: August 8, 2003  
Number: 6236119  
For: Erosion Control  
Amount: \$2,944.20

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. The 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 2A as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 24, 2003.



---

Kenton C. Ward  
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA            )  
  )  
COUNTY OF HAMILTON        )

TO:   HAMILTON COUNTY DRAINAGE BOARD  
      % Hamilton County Surveyor, Courthouse, Noblesville, IN 46060  
              The Intracoastal  
In the matter of At Geist                    Subdivision, Section 2A                    Drain  
Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in The Intracoastal At Geist, Sec. 2A 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 benefitted 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.

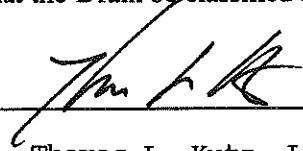
The Petitioner also agrees to the following:

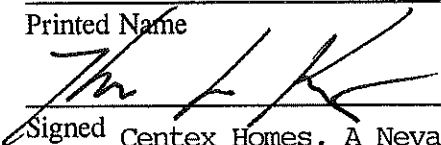
1.    To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the 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.

**FILED**  
**NOV 21 2002**  
OFFICE OF HAMILTON COUNTY SURVEYOR

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 Petitioner cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.

  
 \_\_\_\_\_  
 Thomas L. Kutz, Land Development Manager  
 Printed Name

  
 \_\_\_\_\_  
 Signed Centex Homes, A Nevada General Partnership  
 By: Centex Real Estate Corporation, A Nevada  
 Corporation Its: Managing General Partner  
 Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE \_\_\_\_\_

FINDINGS AND ORDER

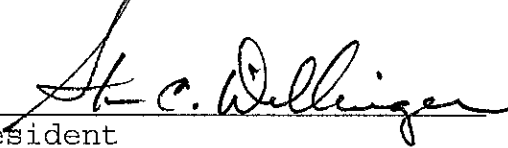
CONCERNING THE MAINTENANCE OF THE


The Intracoastal at Geist Drain, Section 2A Arm

On this *24th day of November 2003*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *The Intracoastal at Geist Drain, Section 2A 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.

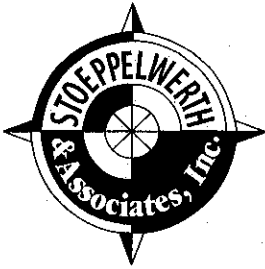
HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest: 



CONSULTING ENGINEERS  
LAND SURVEYORS

R.M. Stoeppelwerth, PE, PLS • David J. Stoeppelwerth, PE, PLS • Curtis C. Huff, PLS • Dennis D. Olmstead, PLS • Jeffory W. Darling, PLS

August 15, 2003

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

Attention: Jerry Liston

Re: The Intracoastal at Geist, Section 2A

Dear Mr. Liston:

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

**Engineer's Estimate: The Intracoastal at Geist Section 2A**

Description	Quantity	Unit	Unit Price	Total
<b>Storm Sewer</b>				
Curb Inlet	5	EA	\$1,457.80	\$7,289.00
Curb Inlet w/ Manhole	1	EA	\$1,792.25	\$1,792.25
Yard Inlet	2	EA	\$2,034.10	\$4,068.20
4" Subsurface Drain Lateral w/ Bedding/Backfill	180	LF	\$4.40	\$792.00
6" Subsurface Curb Drain w/Bed/Backfill	1,645	LF	\$4.40	\$7,238.00
12" RCP CL 3 w/ Bedding/Backfill	469	LF	\$21.30	\$9,989.70
21" RCP CL 3 w/ Bedding/Backfill	86	LF	\$31.25	\$2,687.50
24" RCP CL 3 w/ Bedding/Backfill	156	LF	\$37.60	\$5,865.60
<b>Total</b>				<b>\$39,722.25</b>
<b>Erosion Control</b>				
Temporary Seeding	24,675	SF	\$0.04	\$987.00
Swale Seeding	7,380	SF	\$0.05	\$369.00
4' Swale Mat	295	LF	\$0.56	\$165.20
Silt Fence	820	LF	\$1.25	\$1,025.00

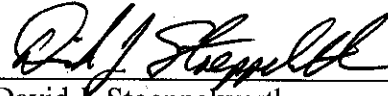
Hamilton County Surveyor  
Jerry Liston  
August 15, 2003  
Page 2

Inlet Protection	1	LSUM	\$398.00	\$398.00
<b>Total</b>				<b>\$2,944.20</b>

**Monuments/Markers**

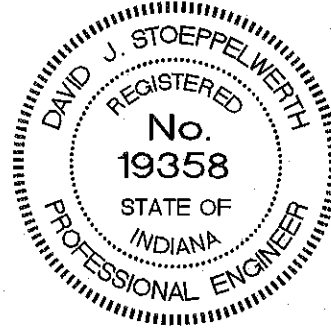
Copperwelds	7	EA	\$130.00	\$910.00
<b>Total</b>				<b>\$910.00</b>

Witness my signature this 19<sup>th</sup> day of AUGUST, 2003.



David J. Stoepfelwerth  
Professional Engineer  
No. 19358

S/34090S2A/Agency/EngEst





HCDB 2003-0058

SUBDIVISION BOND



Bond No. 6236119

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

as Principal, and SAFECO INSURANCE COMPANY OF AMERICA

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 Two Thousand Nine Hundred Forty Four and 20/100 -----  
----- (\$ 2,944.20 ) 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 2A

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 8th day of August, 2003.

CENTEX HOMES, A Nevada General Partnership  
Principal

By: [Signature]

SAFECO INSURANCE COMPANY OF AMERICA

By: [Signature]  
ALLYSON DEAN Attorney-in-Fact

HCDB 2003-00057

SUBDIVISION BOND



Bond No. 6236118

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

as Principal, and SAFECO INSURANCE COMPANY OF AMERICA

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 Thirty Nine Thousand Seven Hundred Twenty Two and 25/100 -----  
----- (\$ 39,722.25 ) 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 2A

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 8th day of August, 2003.

CENTEX HOMES, A Nevada General Partnership  
Principal  
By: [Signature]

SAFECO INSURANCE COMPANY OF AMERICA  
By: [Signature]  
ALLYSON DEAN Attorney-in-Fact



# CONSULTING ENGINEERS • LAND SURVEYORS

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

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

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

## CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: The Intracoastal at Geist, Section 2A

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: Jeffery W. Darling Date: February 16, 2005

Type or Print Name: Jeffery W. Darling

Business Address: Stoepelwerth & Associates, Inc.

9940 Allisonville Road, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL

INDIANA REGISTRATION NUMBER

900017





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**

**September 1, 2005**

**Re: Intracoastal at Geist Drain: Section 2A Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Intracoastal at Geist Section 2A Arm. 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 23, 2003. The report was approved by the Board at the hearing held November 24, 2003. (See Drainage Board Minutes Book 7, Pages 263-265) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
141-140	28	12	RCP	795.3	795.16	0.5	
140-117	132	12	RCP	795.16	795.53	1.23	
153-152	28	12	RCP	799.05	798.69	1.29	
152-145	127	12	RCP	798.69	796.77	1.51	
147-146	165	12	RCP	803.89	797	1.95	3
146-145	85	21	RCP	797	796.77	0.27	-1
145-144	28	24	RCP	796.77	796.62	0.54	
144-109	136	24	RCP	796.62	796.06	0.41	

**6" SSD Streets:**

Starboard Rd	306.5
Lattitude Way	191.5
Mast Ct	325.5

**Total2:** 1647

**RCP Pipe Totals:**

12	480
21	85
24	164

**Total:** 729

The length of the drain due to the changes described above is now **2376 feet**.

The non-enforcement was approved by the Board at its meeting on November 24, 2003 and recorded under instrument #200400000047.

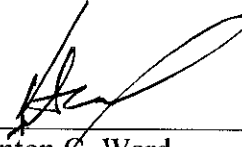
The following sureties were guaranteed by SAFECO Insurance Company and released by the Board on its August 22, 2005 meeting.

**Bond-LC No:** 6236118  
**Insured For:** Storm Sewers  
**Amount:** \$39,722.25  
**Issue Date:** August 8, 2003

**Bond-LC No:** 6236119  
**Insured For:** Erosion Control  
**Amount:** \$2,944.2  
**Issue Date:** August 8, 2003

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

Sincerely,



---

Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm





NOTE: 1. THE EXISTING PAVEMENT AND CURB MUST BE SAW AND CUT TO PROVIDE A SMOOTH TRANSITION ON ALL STUB STREET CONNECTIONS TO SECTION 1.  
 2. CONTRACTOR SHALL STAMP THE LETTER "S" IN THE CURB PERPENDICULAR TO THE LATERAL MARKER.

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: 8-15-2005  
 Entered by: SIM

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



**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

31 LOT NUMBER  
 N.P. NO PAD  
 M.F.F. MINIMUM FINISH FIRST FLOOR ELEVATION  
 M.F.G. MINIMUM FINISH GRADE AROUND HOME (FLOOD PROTECTION GRADE = 791.4)

NOTES:  
 DENOTES RIP-RAP ALONG SHORE LINE  
 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.

GEIST RESERVOIR  
 NORMAL POOL=785.0±  
 100 YEAR ELEV.=788.4  
 RIP-RAP TO BE INSTALLED WITH SECTION 1

**AS BUILT**

**STORM TABLE**

Str. No.	Type	Tc/Rim	Inverts	Dir.
140	CURB INLET	798.92	795.16	(E)(W)
141	CURB INLET	798.74	795.30	(W)
144	CURB INLET	800.92	796.62	(SE)(NW)
145	CURB INLET W/MANHOLE	800.95	796.77	(NW)(SE)(E)
146	YARD INLET	801.81	797.00	(NE)(SE)
147	YARD INLET	803.89	800.22	(SW)
152	CURB INLET	802.32	798.69	(W)(SE)
153	CURB INLET	802.33	799.05	(NW)

\* See profile = 800-81 SIM 8-15-2005

- EARTHWORK:**
- EXCAVATION
    - 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.
    - 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.
  - REMOVAL OF TREES
    - 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.
  - PROTECTION OF TREES
    - 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.
    - 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.
  - REMOVAL OF TOPSOIL
    - 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.
  - UTILITIES
    - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
    - 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.
  - SITE GRADING
    - Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
    - 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.
    - 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.

**RECORD DRAWING**

JEFFERY W. DARLING  
 Registered Land Surveyor  
 No. 900017

2/10/05  
 DATE



"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.

DATE: 11/18/02  
 MARK:  
 REVISIONS:  
 BY:  
 DATE: 12/10/02  
 REVISIONS:  
 BY:  
 DATE: 4/7/03  
 REVISIONS:  
 BY:  
 DATE: 8/7/03  
 REVISIONS:  
 BY:  
 DATE: 7/20/05  
 REVISIONS:  
 BY:

CERTIFIED: 10/23/02  
 David J. Stappewitz  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 19358  
 STATE OF INDIANA

CONSULTING ENGINEERS - LAND SURVEYORS  
 (317) 849-5935 1-800-728-6917 FAX: (317) 849-5942  
 INDIANAPOLIS INDIANA

**SITE DEVELOPMENT PLAN  
 THE INTRACOASTAL AT GEIST  
 SECTION 2A**

HAMILTON COUNTY INDIANA

SHEET NO. 3  
 OF 17 SHEETS  
 JOB NO. 34090



**CURB INLET TABLE**

PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	24"x24"		DESIGN APPROVAL	No	Yes	Yes
12" to 21"	30"x30"		DESIGN APPROVAL	No	Yes	Yes
18" to 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" to 27"	24"x36"		DESIGN APPROVAL	No	No	Yes
12" to 24"	36"x36"		DESIGN APPROVAL	No	Yes	Yes
24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

\* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX  
 \*\* INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE

**SPECIAL NOTE:**  
 STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A M.H. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.

**SPECIAL NOTE:**  
 STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES

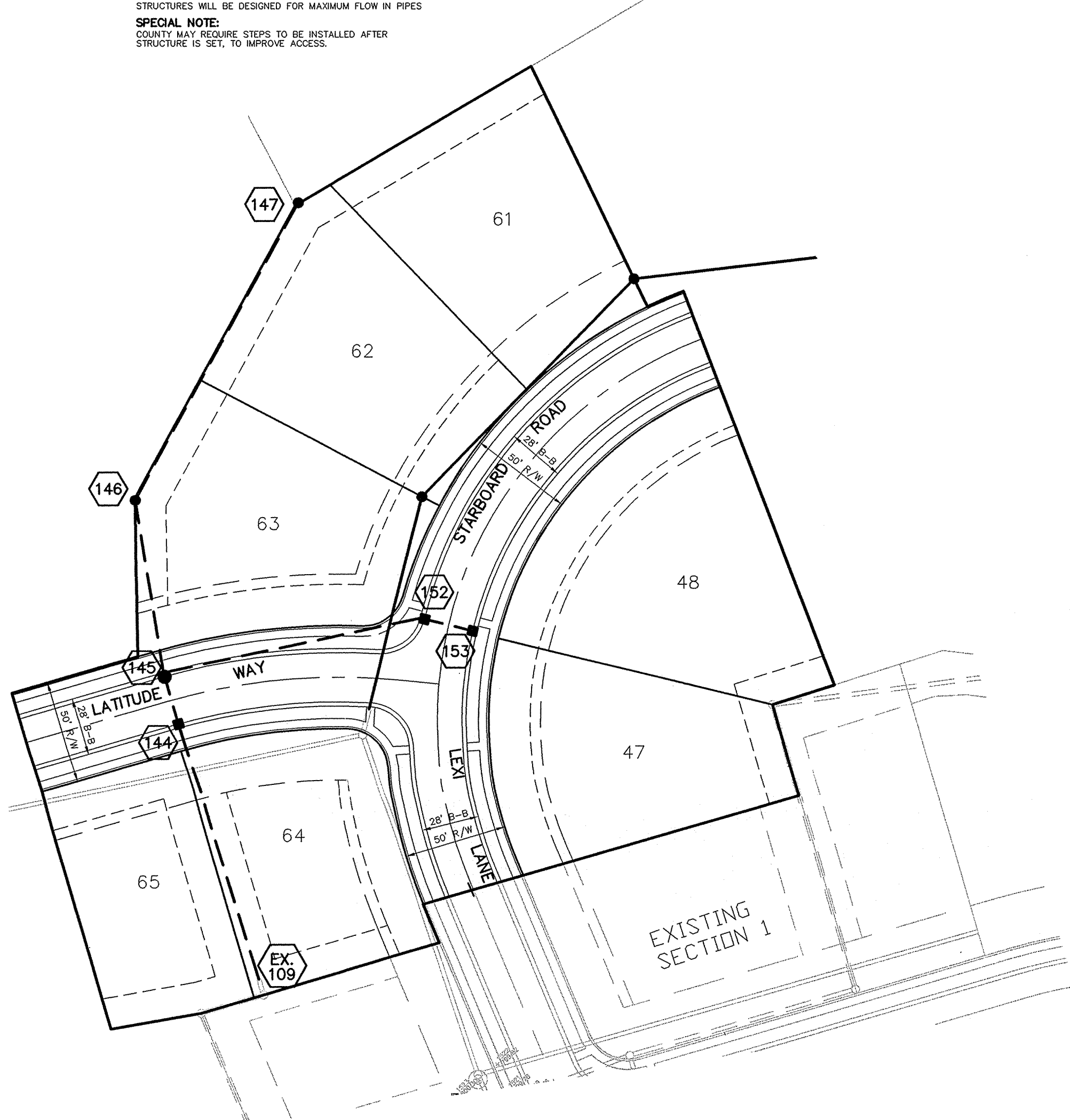
**SPECIAL NOTE:**  
 COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.

# RECORD DRAWING

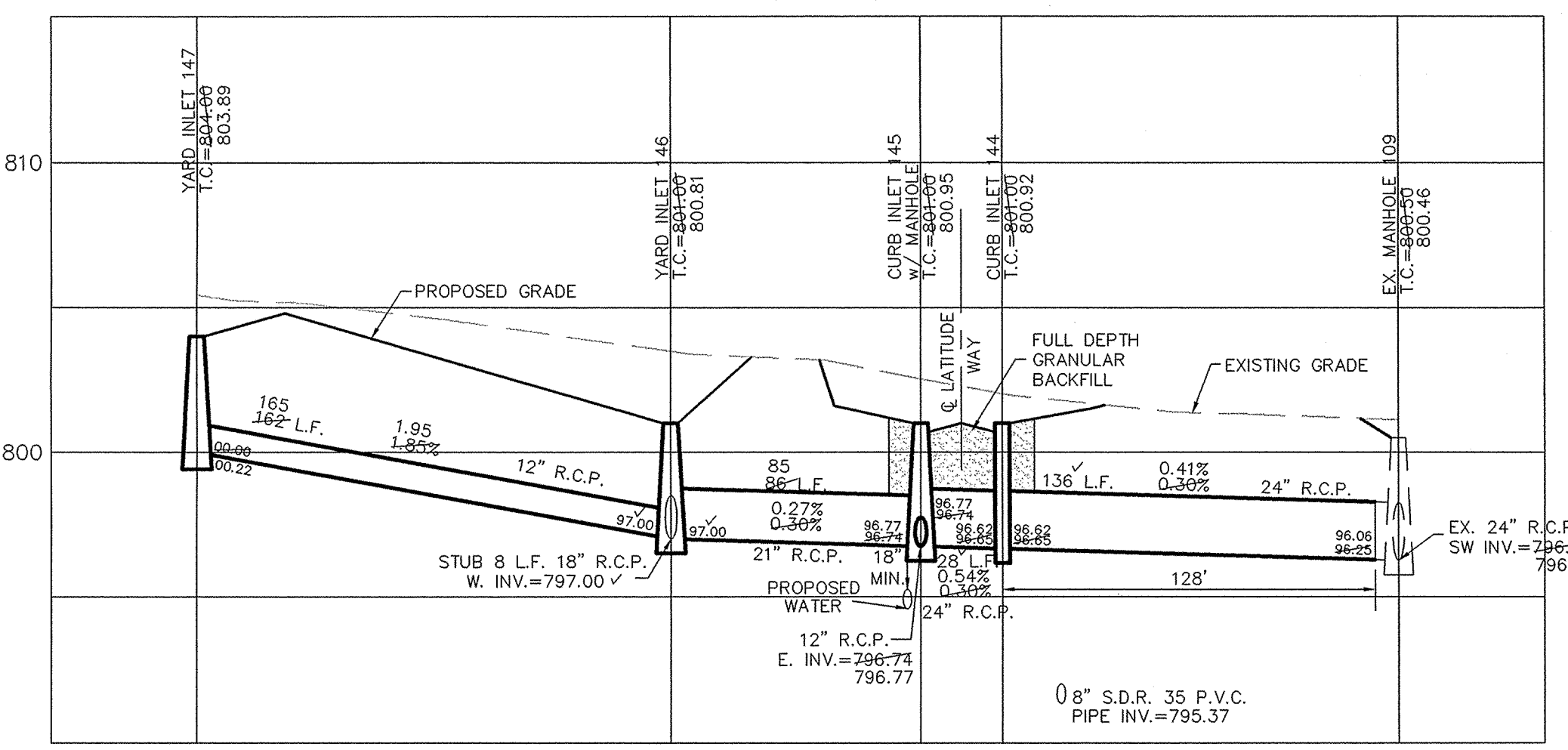
*Jeffery W. Darling*  
 JEFFERY W. DARLING  
 Registered Land Surveyor  
 No. 900017



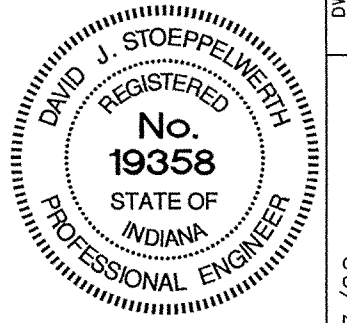
2/10/05  
 DATE



SCALE: 1"=50' HOR.  
 1"=5' VERT.



SCALE: 1"= 50'



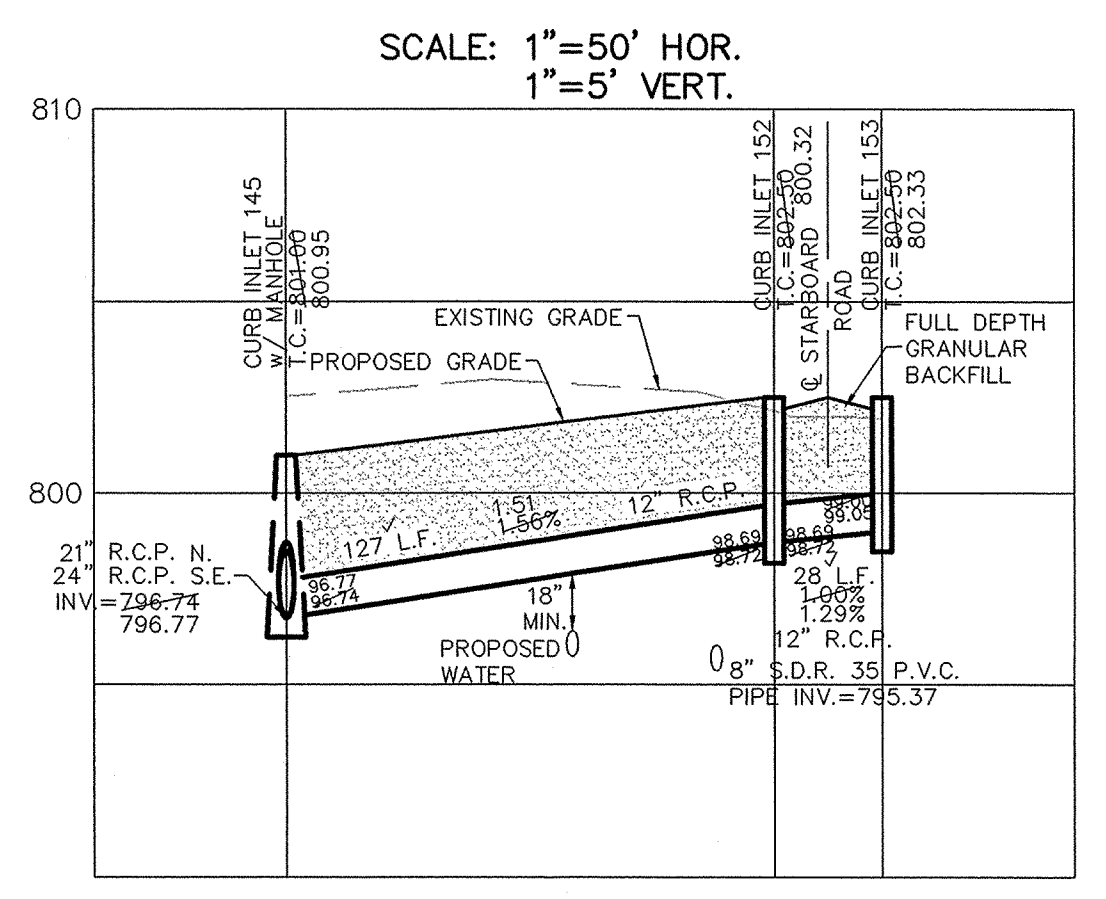
*David J. Stappert*  
 David J. Stappert  
 Registered Professional Engineer  
 State of Indiana  
 No. 19358

CERTIFIED: 10/23/02  
 DWN BY: BAH  
 OK BY: EEF  
 SCALE: 1"=50'  
 DATE: 11/16/02

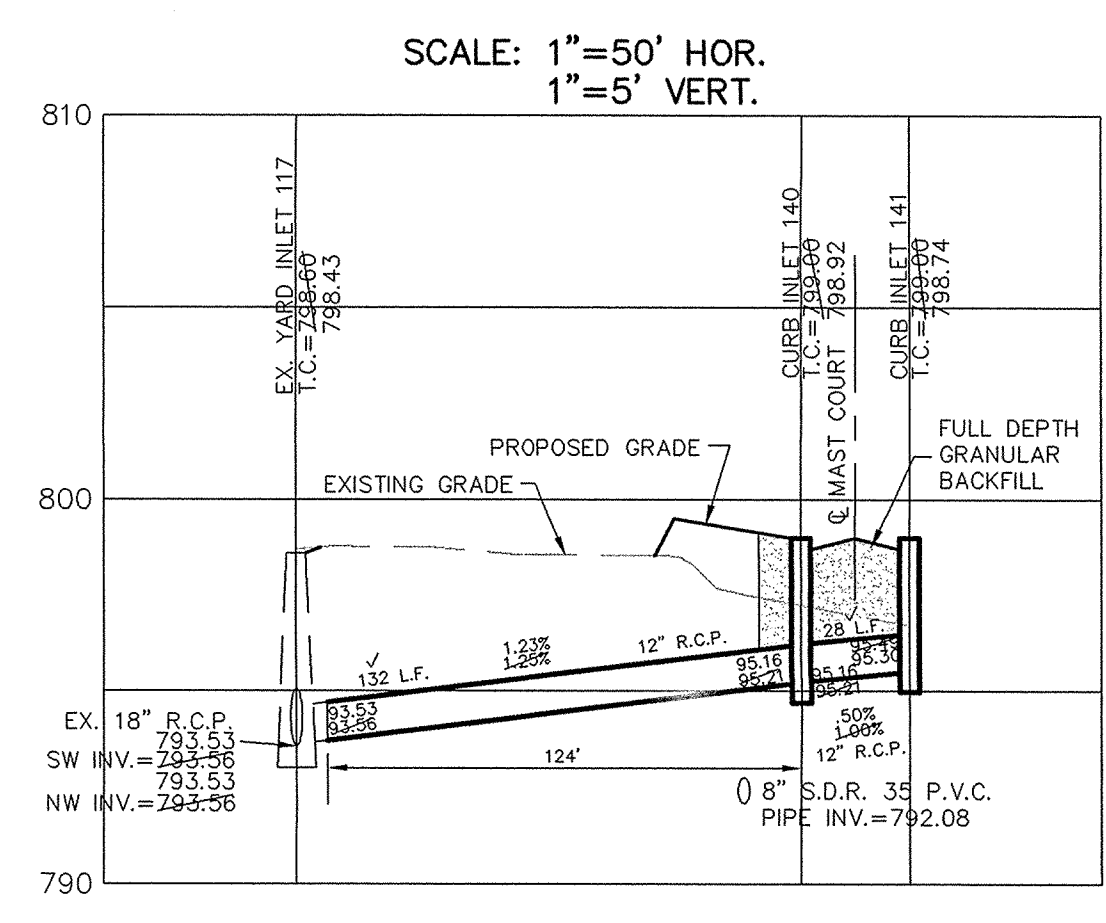
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

Entry Date: 8-15-2005

Entered by: SIM



SCALE: 1"=50' HOR.  
 1"=5' VERT.



SCALE: 1"=50' HOR.  
 1"=5' VERT.

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 INDIANAPOLIS INDIANA

STORM SEWER PLAN & PROFILE  
 THE INTRACOASTAL AT GEIST  
 SECTION 2A  
 HAMILTON COUNTY INDIANA

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