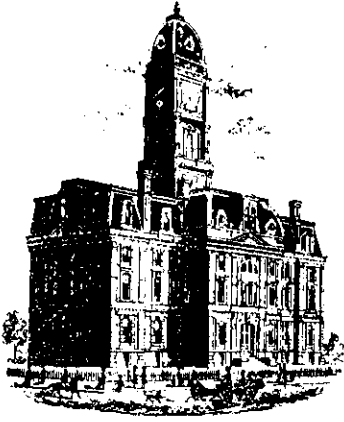


Drain: THOR RUN DRAIN Drain #: 309  
Improvement/Arm: VALENTATGEIST-SECTION 4  
Operator: JDH Date: 10-16-03  
Drain Classification: Urban/Rural Year Installed: 2000

### GIS Drain Input Checklist

- Pull Source Documents for Scanning JDH
- 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 \_\_\_\_\_
- Enter Drain Age into Posse \_\_\_\_\_
- Sum drain length for Watershed in Posse \_\_\_\_\_
- Check Database entries for errors \_\_\_\_\_





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

August 14, 2000

Re: Thor Run Drain, Valleys at Geist, Section 4 Arm

Attached is a petition, non-enforcement requests, plans, calculations, quantity summary and assessment rolls for the Valleys at Geist, Section 4 Arm, Thor Run 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 benefited. The drain will consist of the following:

6" SSD	3,270 ft	15" RCP	163 ft	Open Ditch	969 ft
12" RCP	391 ft	18" RCP	343 ft		

The total length of the drain will be 5,136 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 right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

The open ditch listed above is that portion between Lots 46 and 47 from the outlet of the 18" RCP to Thor Run. Also included is Thor Run which runs along the south side of Lot 46, 47 and 48. The open ditch across Lots 44 and 45 are already part of the regulated Thor Run Drain. This was done as the Valleys at Geist, Section 2 Arm. (See report dated May 18, 1999)

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

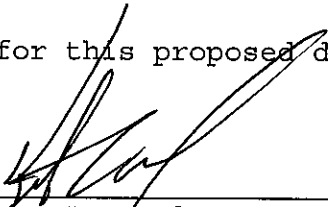
landowners by the construction of this drain. I recommend a maintenance assessment of \$50.00 per lot, \$5.00 per acre for roadways, with a \$50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$300.00.

Parcels assessed for this drain may also be assessed for the Valleys at Geist Drain.

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 widths as shown on the secondary plat for Valleys at Geist, section 4 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for September 25, 2000.



---

Kenton C. Ward  
Hamilton County Surveyor

KCW/kkw

STATE OF INDIANA )  
 )  
COUNTY OF HAMILTON )

TO: HAMILTON COUNTY DRAINAGE BOARD  
% Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

In the matter of THE VALLEYS AT GEIST Subdivision,  
Section 4 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 VALLEYS AT GEIST, SECTION 4, 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 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 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 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.

Valleys at Geist, Inc.

By, Patrick R. Verble, President

Signed

Patrick R. Verble

Printed Name

Patrick R. Verble

Signed

\_\_\_\_\_  
Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE 7/06/00

**FILED**  
JUL 14 2000  
OFFICE OF HAMILTON COUNTY SURVEYOR

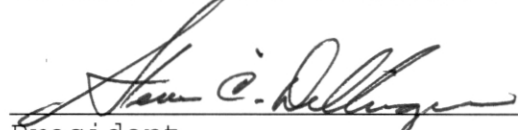
FINDINGS AND ORDER

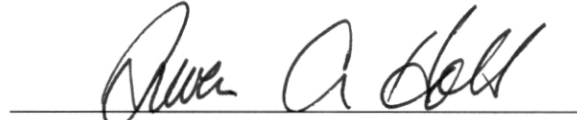
CONCERNING THE MAINTENANCE OF THE  
Valleys @ Geist Drain, Section 4 Arm


On this *25th day of September 2000*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Valleys @ Geist Drain, Section 4 Arm*.

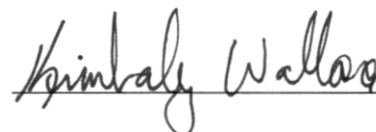
Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund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

HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest:   
\_\_\_\_\_



# 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

January 14, 2010

Re: Thor Run: Valley's at Geist Section 4 Arm

Attached are plans, and other information for Valley's at Geist Section 4. 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 August 14, 2000. The report was approved by the Board at the hearing held September 25, 2000 (See Drainage Board Minutes Book 5, Pages 463-4)

The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert:	Grade:
1A-1B	12	12	RCP	837.2	837	1.67
1B-1C	180	12	RCP	840.3	837.27	1.68
1C-1D	25	12	RCP	840.6	840.3	1.2
2A-2B	25	15	RCP	840.33	840.2	0.5
2B-2C	8	15	RCP	840.1	839.98	1.5
2C-3C	150	18	RCP	839.88	838.48	0.93
3A-3B	29	12	RCP	838.98	838.48	1.72
3B-3C	6	15	RCP	838.48	838.4	1.33
3C-4	102	18	RCP	838.38	835	3.31
4-5	99	18	RCP	834.5	832.5	2.32
5-6	37	18	RCP	830.35	829.6	2.03

RCP Pipe Totals:	
12	246
15	39
18	388
<b>Total:</b>	<b>673</b>

SSD Totals:	
Streets	1264
Other Drain:	
Open Ditch	82
<b>Total:</b>	<b>1346</b>

The length of the drain due to the changes described above is now **2019 feet**. The open ditch listed in the original report across lots 46-48 was regulated with Brooks Landing Section 1.



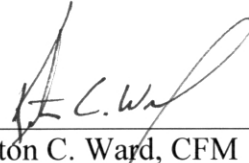
The non-enforcement was approved by the Board at its meeting on September 25, 2000 and recorded under instrument # 200000061209.

The following sureties were guaranteed by Fidelity and Guaranty Insurance Company and will be released by the Board on its January 26, 2010 meeting.

**Bond-LC No:** 400KG7932  
**Insured For:** Storm Sewers  
**Amount:** \$116,840.35  
**Issue Date:** July 24, 2000

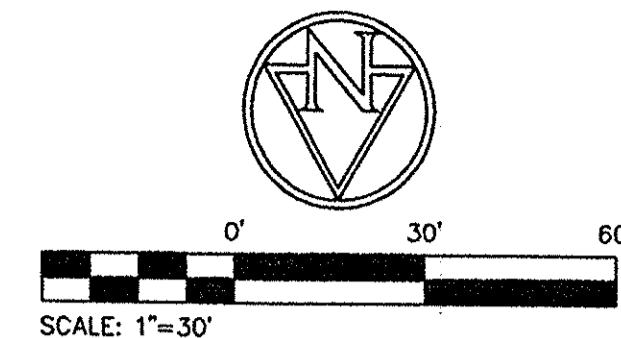
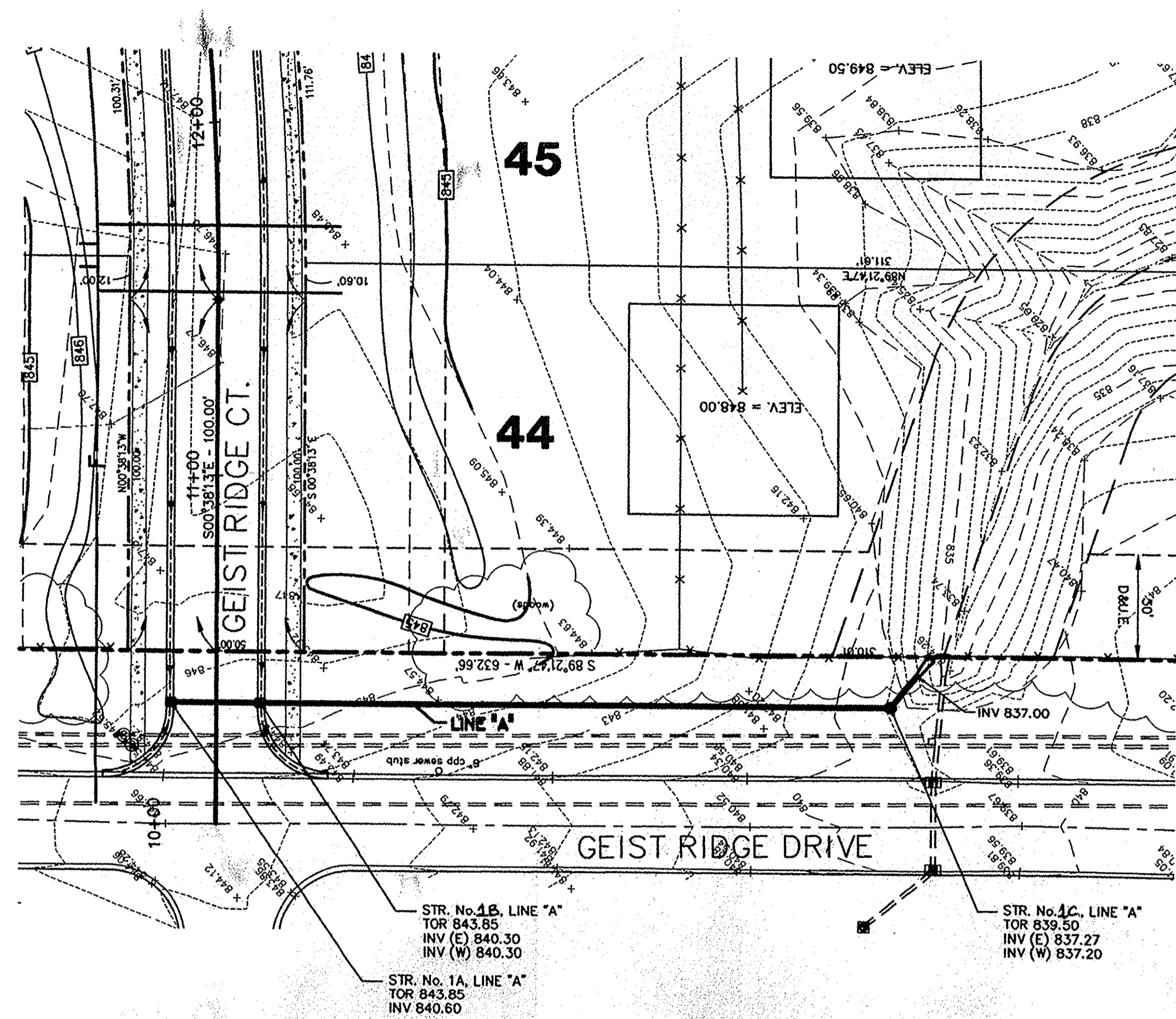
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

A handwritten signature in black ink, appearing to read "K. C. Ward", written over a horizontal line.

Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/slm

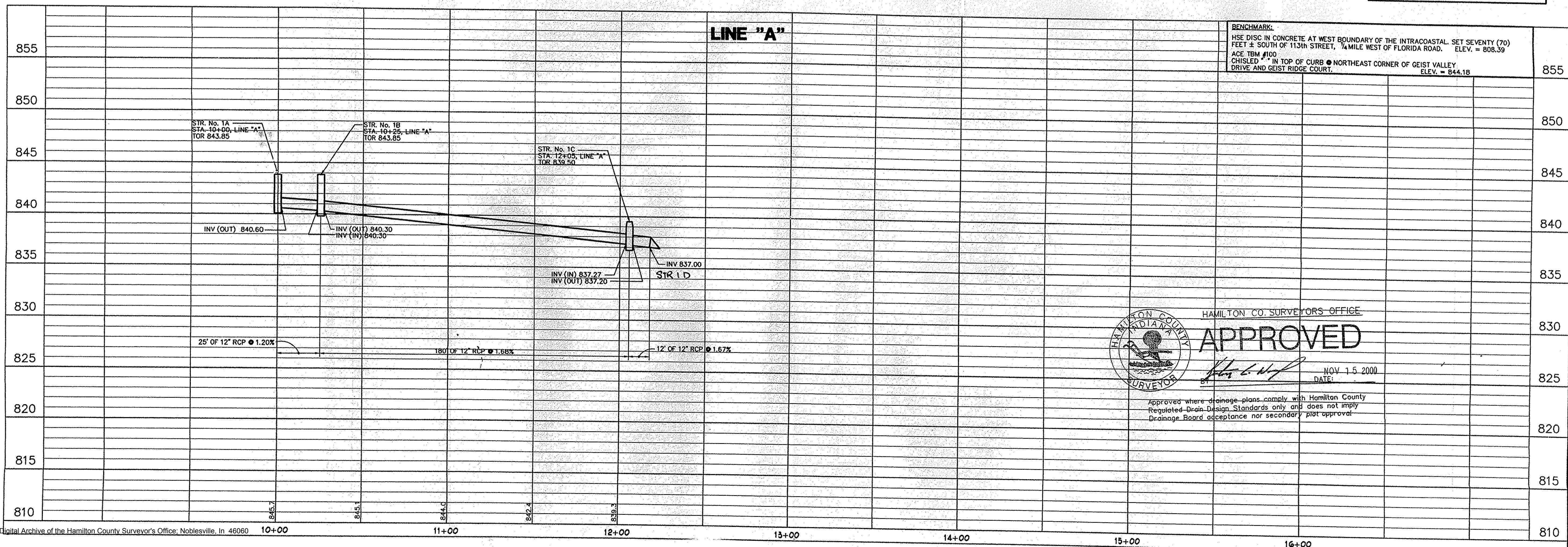


- LEGEND**
- 714--- EXISTING SPOT
  - 714--- EXISTING CONTOUR
  - 714--- EXISTING STORM PIPE
  - 714--- EXISTING SANITARY PIPE
  - 714--- BEEHIVE INLET
  - 714--- CURB INLET
  - 714--- SANITARY MANHOLE
  - 714--- REINFORCED CONCRETE PIPE
  - 714--- CURB INLET
  - 714--- SIGN
  - 714--- FENCE
  - 714--- TREE
  - 714--- PROPOSED MANHOLE
  - 714--- PROPOSED INLET
  - 714--- PROPOSED CURB UNDERDRAINS

- NOTES:**
- PAD LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO CHANGE.
  - PROPOSED GRADING SHOWN IS REQUIRED TO CONSTRUCT ROAD. FINAL LOT GRADING IS RESPONSIBILITY OF PROPERTY OWNER, AND SHALL COMPLY WITH ALL CITY AND COUNTY REQUIREMENTS.
  - CURB ELEVATIONS SHOWN ARE THE TOP OF THE FRONT FACE, NOT THE GUTTER. SEE SHEET C7.2 FOR CURB DETAIL.

This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
 Entry Date: Dec. 2009  
 Entered By: SLM

**CAUTION !!**  
 THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, inlets, valves, and 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 SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.  
 1-800-382-5544  
 CALL TOLL FREE  
 - INDIANA UNDERGROUND -



**BENCHMARK:**  
 HSE DISC IN CONCRETE AT WEST BOUNDARY OF THE INTRACOASTAL. SET SEVENTY (70) FEET ± SOUTH OF 113th STREET, ¼ MILE WEST OF FLORIDA ROAD. ELEV. = 808.39  
 ACE TBM #100  
 CHISLED " " IN TOP OF CURB • NORTHEAST CORNER OF GEIST VALLEY DRIVE AND GEIST RIDGE COURT. ELEV. = 844.18

HAMILTON CO. SURVEYORS OFFICE  
**APPROVED**  
 DATE: NOV 15 2000  
 Approved where drainage plans comply with Hamilton County Regulated-Drain-Design Standards only and does not imply Drainage Board acceptance nor secondary plat approval.

**THE VALLEYS AT GEIST, INC.**  
 14085 DEERSTONE LANE  
 FORTVILLE INDIANA

**AMERICAN CONSULTING INC.**  
 Architects  
 Engineers  
 4165 MILLERSVILLE ROAD  
 INDIANAPOLIS, IN 46205-2999  
 (317) 547-5580 FAX: (317) 543-0270  
 Copyright (C) 1988-2000 by American Consulting, Inc.

JENNIFER L. ROBERTS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. PE19900157  
 STATE OF INDIANA  
 CERTIFIED BY

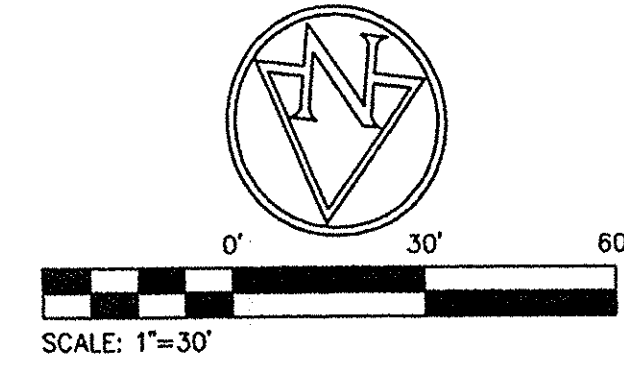
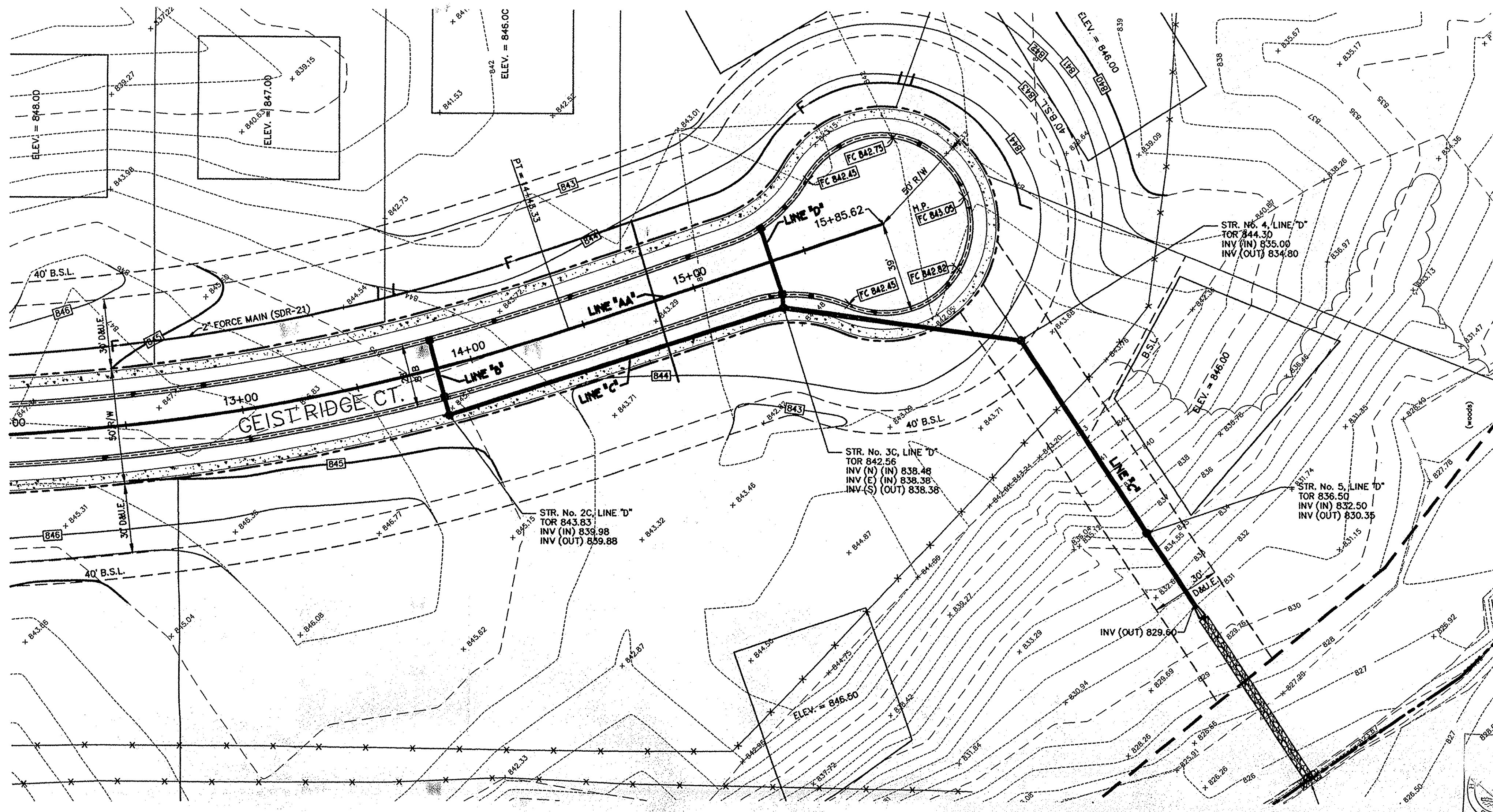
**STORM SEWER PROFILE**  
**VALLEYS AT GEIST**  
 SECTION 4  
 INDIANAPOLIS, INDIANA

DATE: 06/30/00  
 DRAWN BY: PED  
 CHK'D BY: JLR  
 JOB NO. IN2000.0155

REVISIONS

**FILED**  
 NOV 03 2000

SHEET NO. **C4.2**

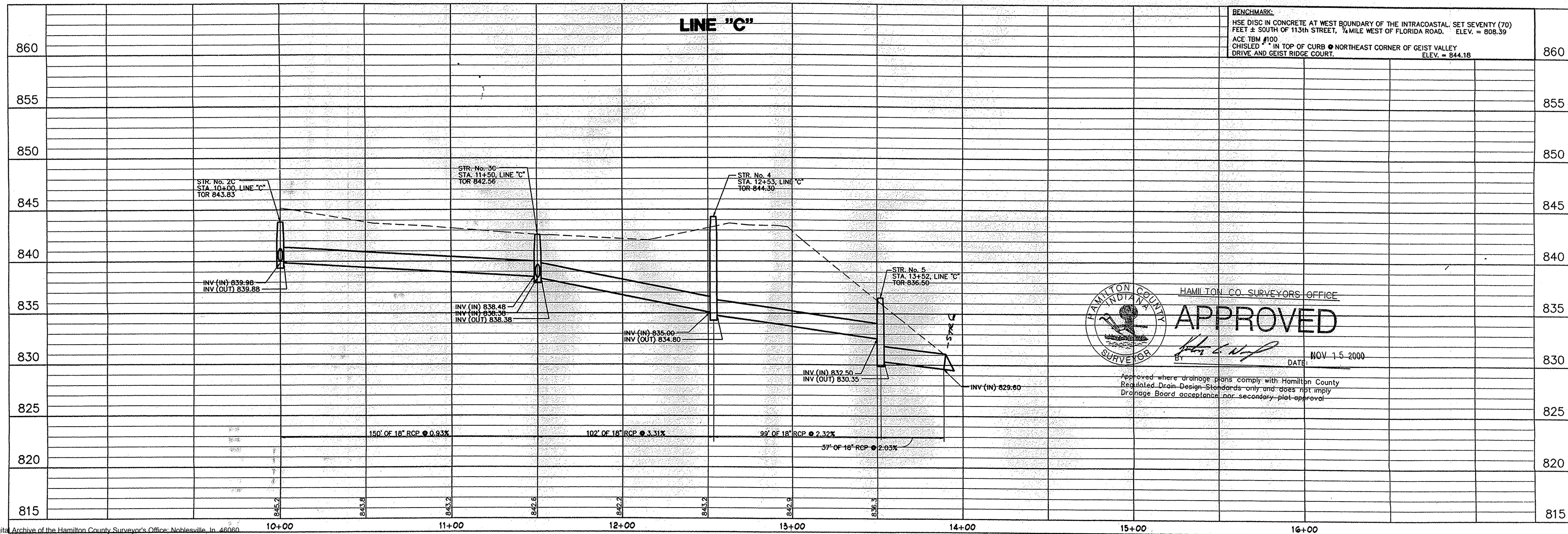


- LEGEND**
- + 714.25 EXISTING SPOT
  - - - - -714- EXISTING CONTOUR
  - EXISTING STORM PIPE
  - EXISTING SANITARY PIPE
  - BEEHIVE INLET
  - CURB INLET
  - SANITARY MANHOLE
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  - SIGN
  - FENCE
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  - PROPOSED INLET
  - PROPOSED CURB UNDERDRAINS

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 - INDIANA UNDERGROUND -



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 ACE TBM #100 CHISLED IN TOP OF CURB @ NORTHEAST CORNER OF GEIST VALLEY DRIVE AND GEIST RIDGE COURT. ELEV. = 844.18

HAMILTON COUNTY SURVEYORS OFFICE  
**APPROVED**  
 DATE: NOV 15 2000

Approved where drainage plans comply with Hamilton County Regulated Drain Design Standards only and does not imply Drainage Board acceptance nor secondary plot approval.

**THE VALLEYS AT GEIST, INC.**  
 14085 DEERSTONE LANE  
 FORTVILLE INDIANA

**AMERICAN CONSULTING, INC.**  
 4165 MILLERSVILLE ROAD  
 INDIANAPOLIS, IN 46203-0270  
 CONSULTANT (C) 1988-2000 by American Consulting, Inc.

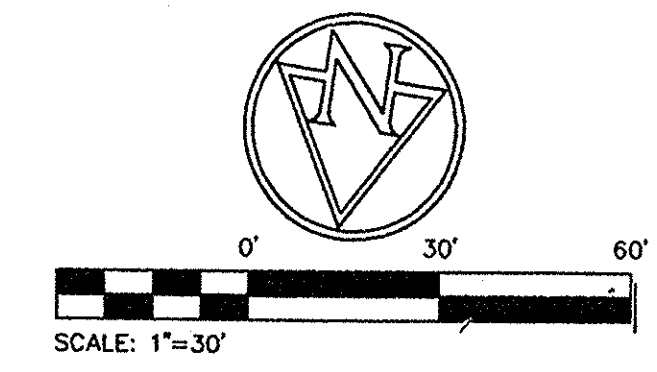
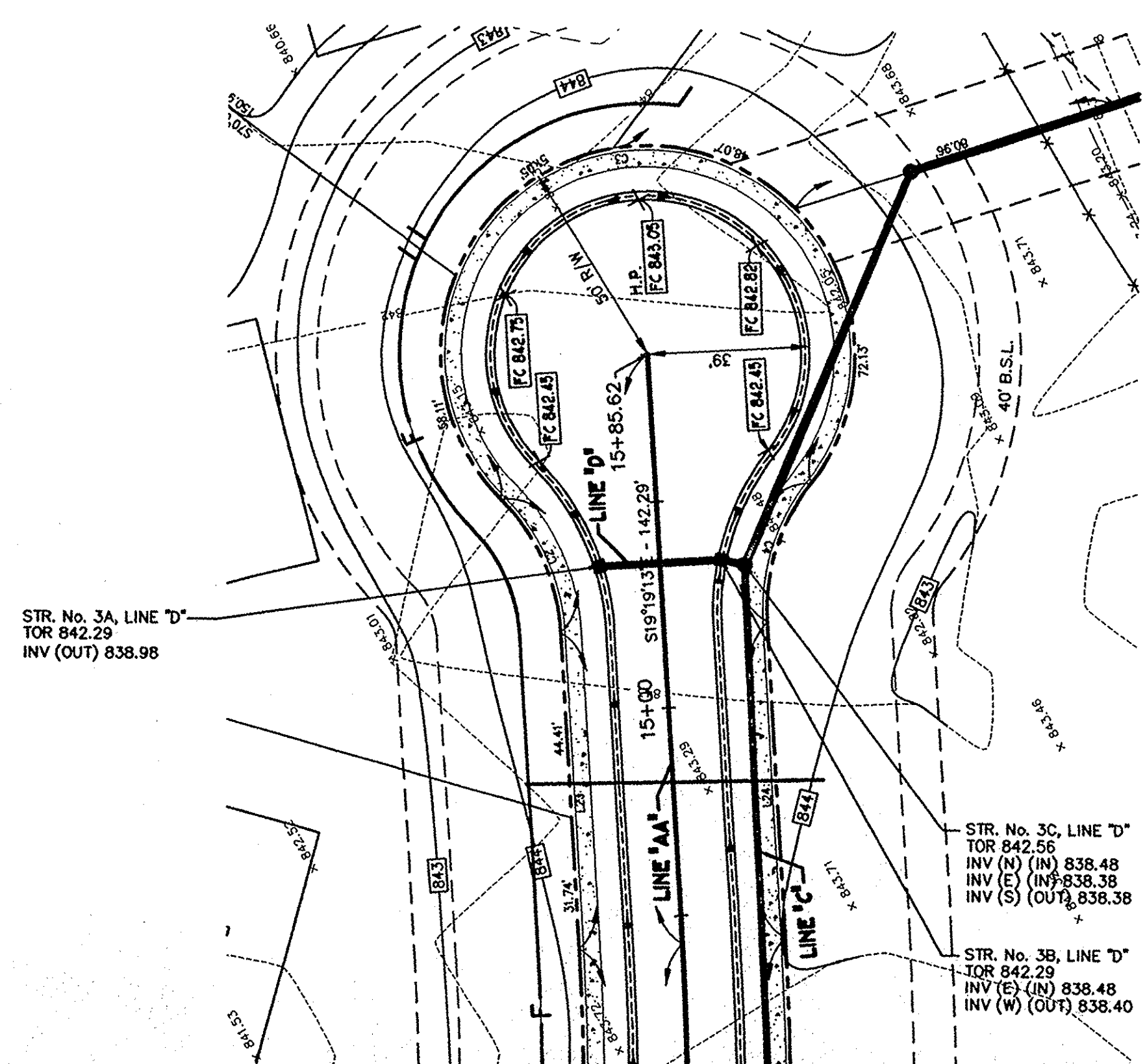
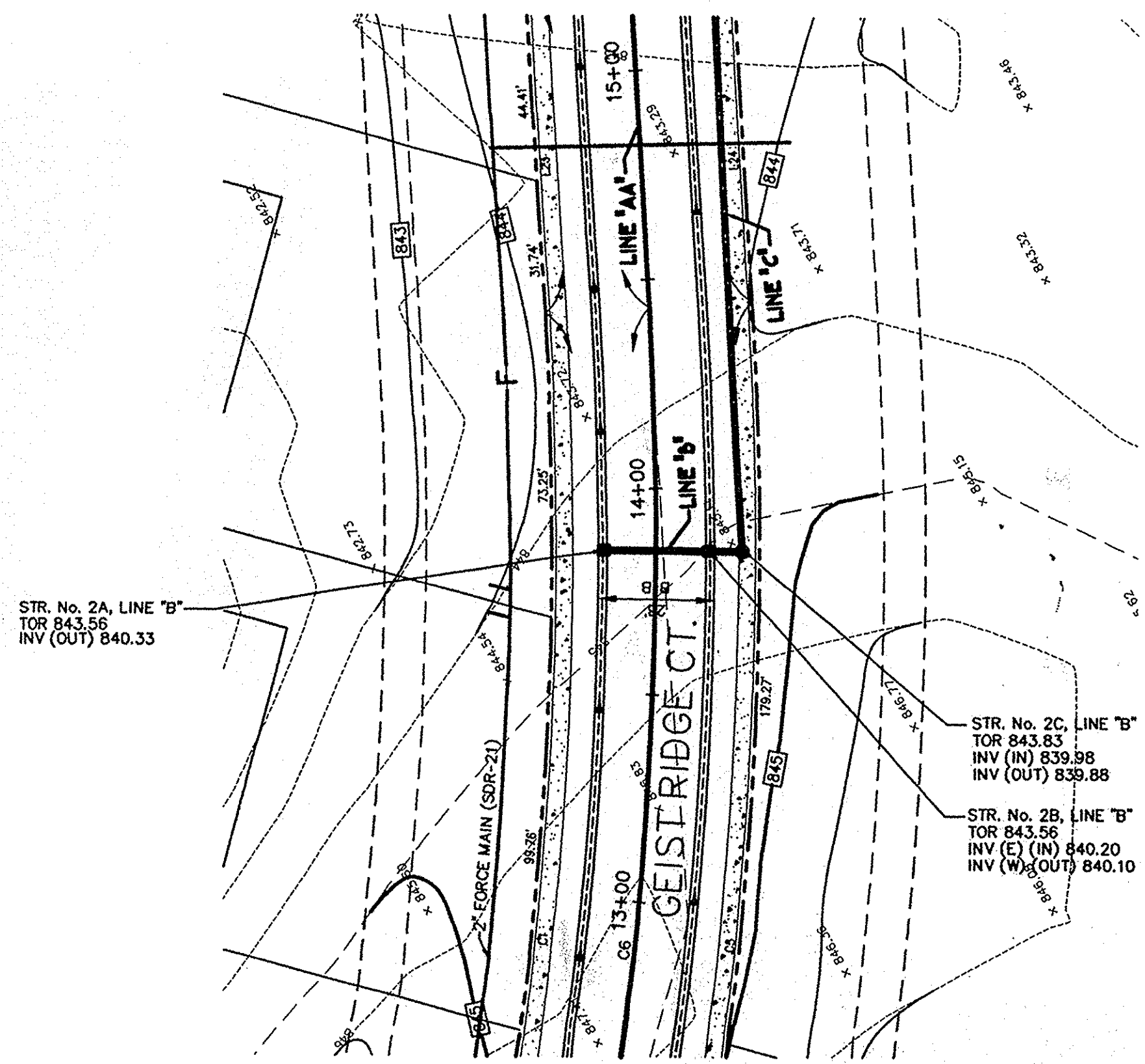
JEANNEFER L. ROBERTS  
 No. PE19900157  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 CERTIFIED BY

**STORM SEWER PROFILE**  
**VALLEYS AT GEIST**  
 SECTION 4  
 INDIANAPOLIS, INDIANA

DATE: 06/30/00  
 DRAWN BY: PED  
 CHKD BY: JLR  
 JOB NO. IN2000.0155

**REVISIONS**  
 △ STM. REV. 09/29/00  
 △ STM. REV. 10/04/00  
**FILED**  
 NOV 09 2000  
 OFFICE OF HAMILTON COUNTY SURVEYOR

SHEET NO.  
**C4.4**  
 OF



- LEGEND**
- 714.26 --- EXISTING SPOT
  - 714 --- EXISTING CONTOUR
  - --- EXISTING STORM PIPE
  - --- EXISTING SANITARY PIPE
  - --- BEEHIVE INLET
  - --- CURB INLET
  - --- SANITARY MANHOLE
  - --- REINFORCED CONCRETE PIPE
  - --- CURB INLET
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HAMILTON COUNTY SURVEYORS OFFICE  
**APPROVED**  
DATE: NOV 15 2000

Approved where drainage plans comply with Hamilton County Regulated Drain Design Standards only and does not imply Drainage Board acceptance nor secondary plat approval

LINE "B"	
860	860
855	855
850	850
845	845
840	840
835	835
830	830
825	825
820	820
815	815

STR. No. 2A  
STA. 10+00, LINE "B"  
TOR 843.56

STR. No. 2B  
STA. 10+25, LINE "B"  
TOR 843.56

STR. No. 2C  
STA. 10+33, LINE "B"  
TOR 843.83

INV (OUT) 840.33

INV (OUT) 839.88

INV (IN) 839.98

INV (OUT) 840.10

INV (IN) 840.20

25' OF 15" RCP @ 0.5%

8' OF 15" RCP @ 1.5%

LINE "D"	
860	860
855	855
850	850
845	845
840	840
835	835
830	830
825	825
820	820
815	815

STR. No. 3B  
STA. 10+29, LINE "D"  
TOR 842.29

STR. No. 3A  
STA. 10+00, LINE "D"  
TOR 842.29

STR. No. 3C  
STA. 10+35, LINE "D"  
TOR 842.56

INV (OUT) 838.98

INV (IN) 838.48

INV (OUT) 838.40

INV (IN) 838.40

29' OF 12" RCP @ 1.72%

8' OF 15" RCP @ 1.33%

**THE VALLEYS AT GEIST, INC.**  
14085 DEERSTONE LANE  
FORTVILLE INDIANA

**AMERICAN CONSULTING INC**  
4165 MILLERSVILLE ROAD  
INDIANAPOLIS, IN 46205-9998  
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REGISTERED PROFESSIONAL ENGINEER  
No. PE19900157  
STATE OF INDIANA  
JENNIFER L. ROBERTS  
CERTIFIED BY

**STORM SEWER PROFILE**

**VALLEYS AT GEIST**  
SECTION 4

INDIANAPOLIS, INDIANA

DATE: 06/30/00  
DRAWN BY: PED  
CHK'D BY: JLR  
JOB NO. IN2000.0155

**REVISIONS**

1	STM. REV.	09/29/00
2	STM. REV.	10/04/00

FILED  
NOV 09 2000  
CLERK OF HAMILTON COUNTY SURVEYOR

SHEET NO.  
**C4.3**