

Drain: PEBBLE BROOK DRAIN **Drain #:** 191
Improvement/Arm: PINE HURST VILLAGE - SECTION 2
Operator: SLM/JON **Date:** 3-9-04
Drain Classification: Urban/Rural **Year Installed:** 1998

GIS Drain Input Checklist

- Pull Source Documents for Scanning QA 3-9
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains SLM/QA 3-9
- Digitize & Attribute SSD SLM/QA 3-9
- Digitize & Attribute Open Ditch SLM/QA 3-9
- Stamp Plans SLM/QA 3-9
- Sum drain lengths & Validate QA 3-9
- Enter Improvements into Posse QA 3-9
- Enter Drain Age into Posse Jonf 4-23
- Sum drain length for Watershed in Posse Jonf 4-23
- Check Database entries for errors QA 3-9

Gasb 34 Footages for Historical Cost Drain Length Log

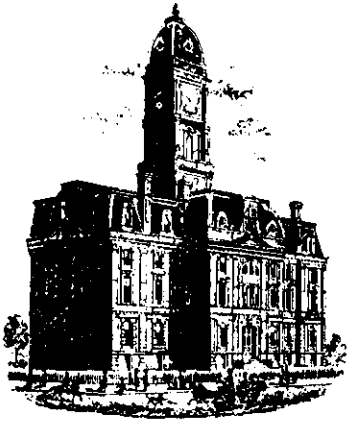
Drain-Improvement: PEBBLE BROOK DRAIN - PINEHURST VILLAGE - SECTION 2

Drain Type:	Size:	Length <i>SURVEYORS REPORT</i>	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
SSD	6"	2050'	2050'	Ø		
RCP	12"	853'	853'	Ø		
	15"	130'	130'	Ø		
	18"	314'	314'	Ø		
	21"	392'	392'	Ø		
	24"	109'	109'	Ø		
SWALE		600'	600'	Ø		

Sum: 4448' 4448' Ø _____

Final Report: _____

Comments:



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

October 23, 1997

TO: HAMILTON COUNTY DRAINAGE BOARD

RE: Pebble Brook Drain-Pinehurst Village Section 2 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Pebblebrook Drain-Pinehurst Village Section 2 Arm. 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	1926 ft	18"	RCP	315 ft
12"	RCP	890 ft	21"	RCP	400 ft
15"	RCP	131 ft	24"	RCP	130 ft

The total length of the drain will be 3,792 feet.

The retention pond (Pond #4) located in Block __, at the rear of Lots 53-55 is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines which

are within R/W are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The offsite drainage at this time outlets onto Tract 06-33-00-00-004.000 and 06-33-00-00-005.000 owned by Eldon Palmer. This drainage is to run in a temporary swale across this tract until such times that a storm sewer is extended to Sly Run at which time the offsite storm line will be connected to the extension to Sly Run.

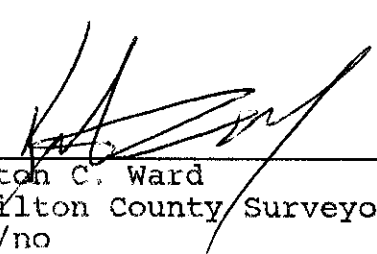
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damage will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$20.00 per lot, \$2.00 per acre for roadways, with a \$20.00 minimum. With this assessment the total annual assessment for this drain/ this section will be \$

Parcels assessed for this drain may be assessed for the George Booth, Sly Run or Vestal 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.

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 Pinehurst Village-Section 2 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 24, 1997.



Kenton C. Ward
Hamilton County Surveyor
KCW/no



SCHEER'S

1023 W. 55TH ST., COUNTRYSIDE, IL 60525 708-352-6282

FRONTIER INSURANCE COMPANY

195 Lake Louise Marie Road, Rock Hill, NY 12775-8000

SUBDIVISION BOND

HCDB-B970011

Bond No.: 109957 Principal Amount: \$64,800.00

KNOW ALL MEN BY THESE PRESENTS, that we Estridge Development Co., Inc.
1041 W. Main Street
Carmel, IN 46032 as Principal, and Frontier
Insurance Company Rock Hill, NY 12775-8000 a New York Corporation,
as Surety, are held and firmly bound unto Hamilton County Commissioners
One Hamilton County Square
Noblesville, IN 46060 in the penal sum of Sixty
Four Thousand Eight Hundred and 00/100 ----- (Dollars)
(\$ 64,800.00 -----), 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, Estridge Development Co., Inc.
has agreed to construct in Pinehurst Village, Section 2 Subdivision,
in Hamilton County, IN the following
improvements:
Storm Sewers, Subsurface Drains & Erosion Control Improvements

**BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON**

[Signature]
[Signature]
[Signature]
ATTEST: 9/8/97 [Signature]
HAMILTON COUNTY AUDITOR

**RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT**

HAMILTON COUNTY BOARD OF COMMISSIONERS

BY: [Signature]
BY: [Signature]
BY: [Signature]
ATTEST: [Signature]
HAMILTON COUNTY AUDITOR

CERTIFICATE OF COMPLETION AND COMPLIANCE

Address of premises on which land alteration was accomplished State Road #32 and Little Chicago Road

Inspection Date(s): _____ Permit No. _____

Relative to plans prepared by: Stoepelwerth & Associates, Inc.

on July 21, 1997.

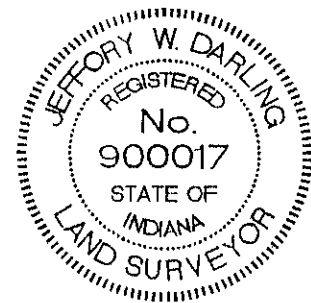
I hereby certify that:

To the best of my knowledge, information and belief such land alteration has been performed and completed in conformity with the improved plan, except

Signature Jeffery W Darling Date: 3/23/98
Type Name: Jeffery W. Darling Phone: (317) 849-5935

Business Address: 9940 Allisonville Road, Fishers, IN 46038

Surv. X Engr. ___ Arch. ___ Indiana Registration No. R.L.S. 900017



(SEAL)

FORMS/23970c&c

FILED

APR 27 1998



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

August 25, 2000

Re: Pebble Brook Drain: Pinehurst Village Sec. 2

Attached are as-builts, certificate of completion & compliance, and other information for Pinehurst Village Sec. 2. 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, 1997. The changes are as follows:

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

845	837					
844	836.87		12	28		
844	836.87					
843	837.48		12	48		
843	837.48					
838	837.17		12	130	131	-1
835	836.29					
836	836.28		12	28		
836	836.28					
837	835.73		15	130	131	-1
837	835.73					
838	837.17		18	314	315	-1
838	837.17					
839	837.45		21	171	167	4
839	837.45					
840	837.74		21	147	148	-1
840	837.74					
841	838.22		21	74	76	-2
841	838.22					

842			24	109	130	-21
846						
847			12	464	500	-36
848	836.12					
837	835.73		12	155		

6" SSD Streets:

Village Center Drive	880
Ventanna	145
x2	

Total: 2050

RCP Pipe Totals:

12	853
15	130
18	314
21	392
24	109

Other Drain:

Swale	600
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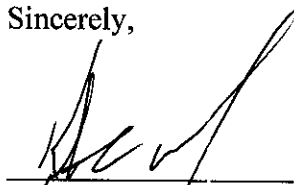
The length of the drain due to the changes described above is now **4448 feet**. The swale listed above is that drainage that runs from the outlet at structure 847 to the existing pond constructed with Pebble Brook Village Center. This swale runs across parcels 06-33-00-00-004.000 and 06-33-00-00-005.000.

The non-enforcement was approved by the Board at its meeting on November 24, 1997 and recorded under instrument #9909937818.

The bond or letter of credit from Frontier Insurance Company number 109957; in the amount of \$64,800.00; was released July 27, 1998.

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

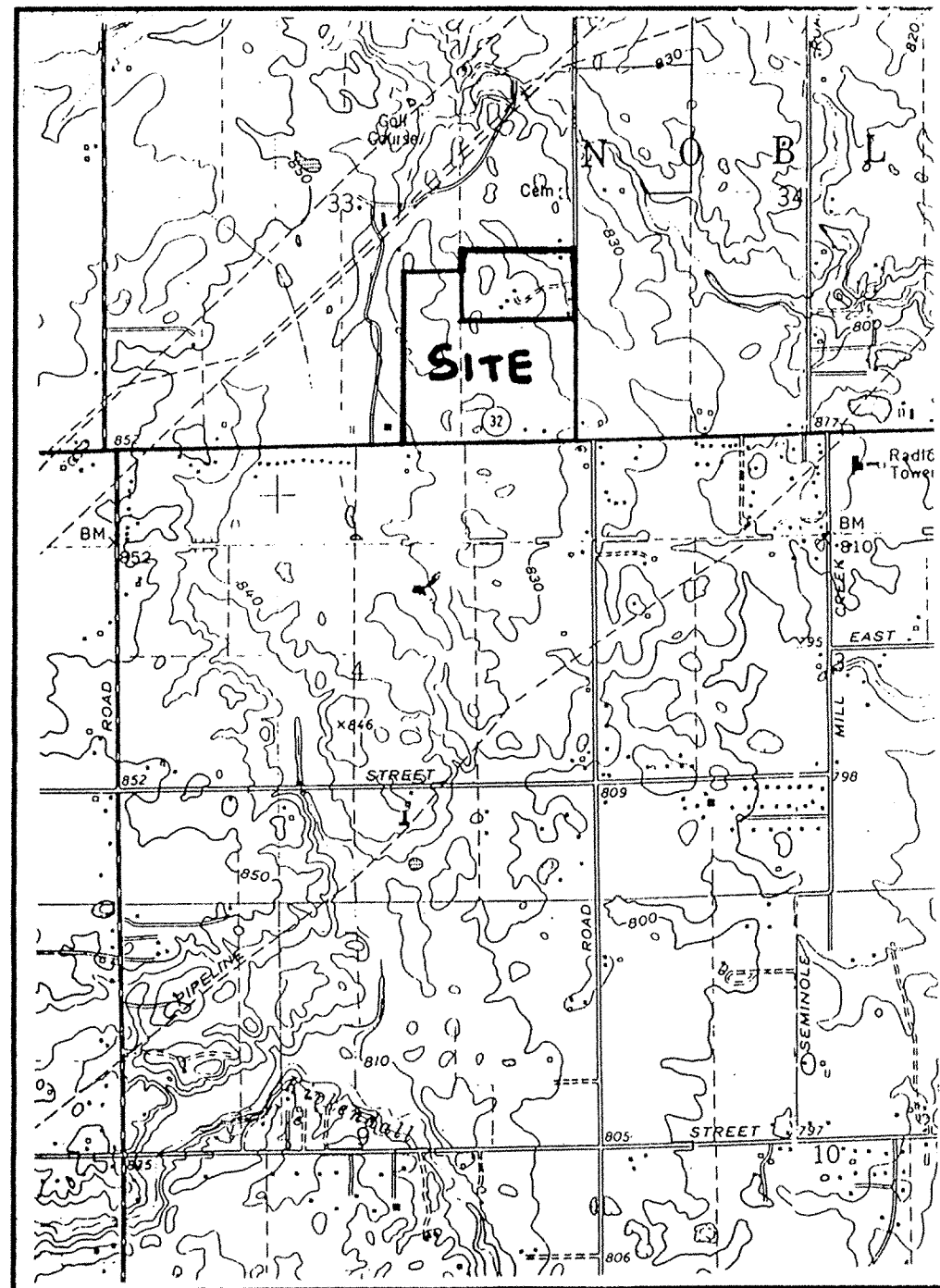
Sincerely,



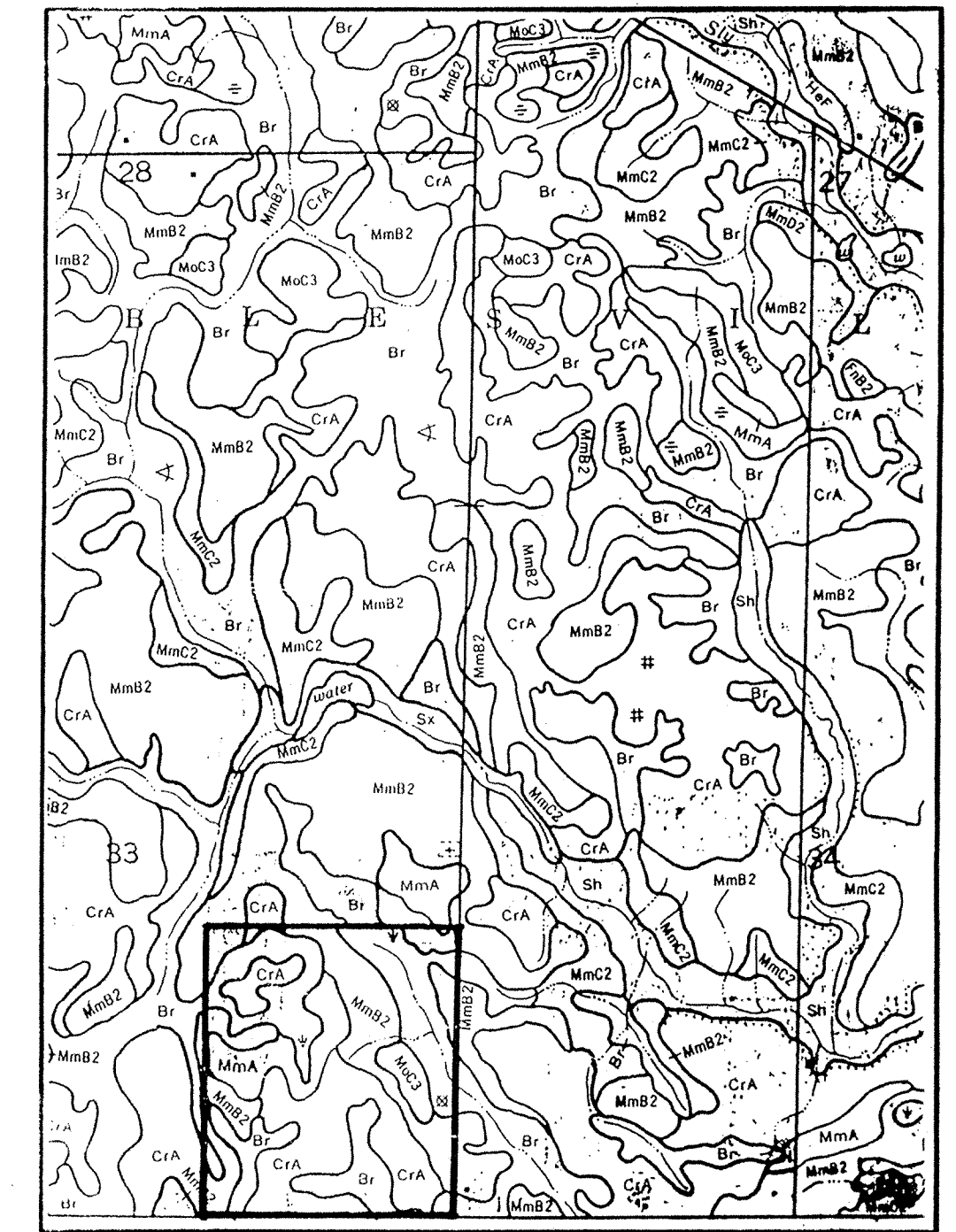
Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

PINEHURST VILLAGE SECTION TWO AT THE VILLAGES OF PEBBLE BROOK



LOCATION MAP



SOILS MAP

Br BROOKSTON
CrA CROSBY
MmC2 MIAMI
MmB2 MIAMI
MoC3 MIAMI
MmA MIAMI

Developed by:
THE VILLAGES OF PEBBLE BROOK, L.P.
1041 WEST MAIN STREET
CARMEL, INDIANA 46032
(317)-582-2437

N.O.I. LETTER OPERATOR:
STEVE RANSHAW
THE VILLAGES OF PEBBLE BROOK, L.P.
1041 WEST MAIN STREET
PHONE: (317)-582-2456 EXT. 345

INDEX	
SHT.	DESCRIPTION
1	COVER SHEET
2	TOPOGRAPHICAL SURVEY
3	SITE DEVELOPMENT PLAN
4	EROSION CONTROL PLAN
5	EROSION CONTROL SPECIFICATIONS
6	STREET PLAN & PROFILE
7	INTERSECTION DETAILS
8	SANITARY SEWER PLAN & PROFILES
9	STORM SEWER PLAN & PROFILES
10	WATER DISTRIBUTION PLAN
11	TRAFFIC CONTROL PLAN
12	CONSTRUCTION DETAILS
13	CONSTRUCTION DETAILS

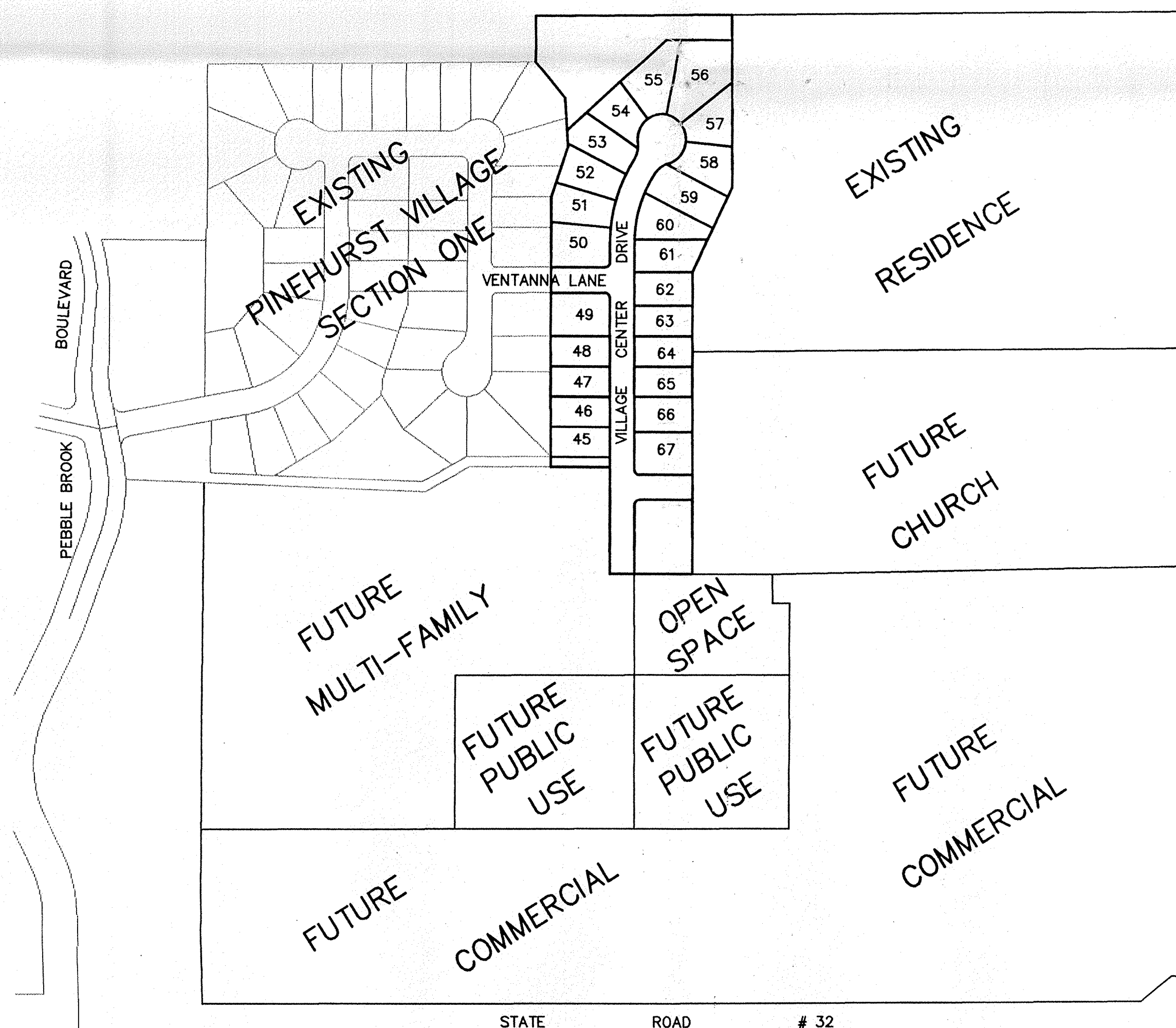
REVISIONS	
SHT.	DESCRIPTION
ALL	REV. PER T.A.C. COMMENTS 8/14/97 EEF

DESIGN DATA
33 LOTS = 3.05 LOTS/ACRE
7,553 AC.
VILLAGE DRIVE 917.58 L.F.
VENTANNA LANE 145.00 L.F.

RECORD DRAWING

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

3/21/98
DATE



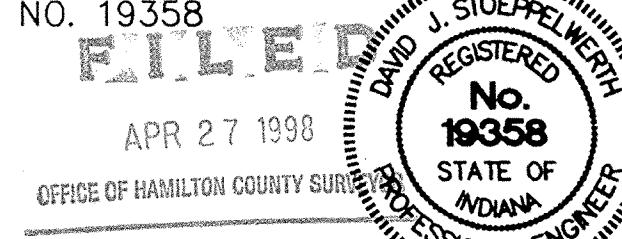
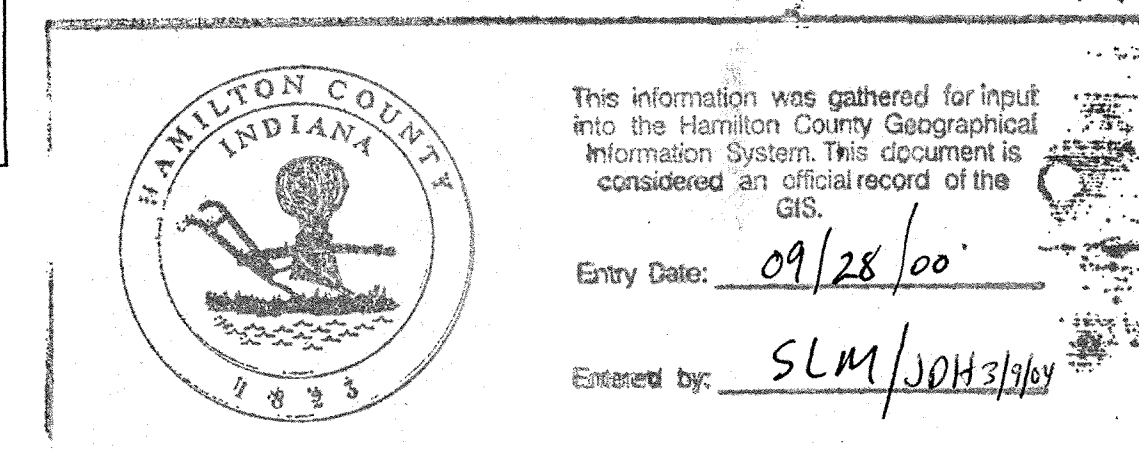
PLAT MAP
SCALE: 1" = 200'

PRINTED
APR 24 1998

PLANS PREPARED BY:
STOEPPELWERTH & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
9940 ALLISONVILLE ROAD
FISHERS, INDIANA 46038
PHONE: (317)-849-5935
FAX: (317)-849-5942

PLANS CERTIFIED BY:

David J. Stoepfelwerth 7/21/97
DAVID J. STOEPPELWERTH DATE
PROFESSIONAL ENGINEER
NO. 19358



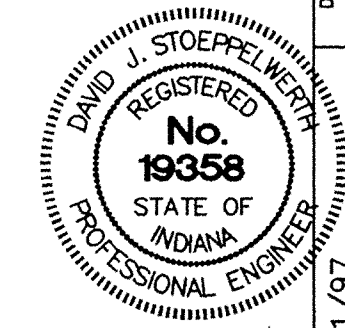
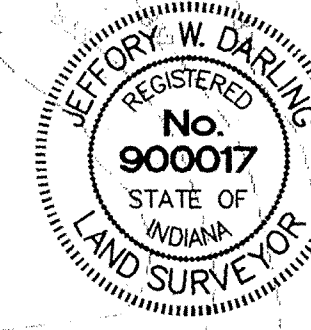
EXIST. POND 4
 N.P. = 839.00
 2 YEAR ELEV. = 839.00
 10 YEAR ELEV. = 839.73
 100 YEAR ELEV. = 839.95
 BOTTOM ELEV. = 828.00

INDIANA COUNTY
 This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.
 Entry Date: 9/28/00
 Entered by: SLM/JOH 3/04

RECORD DRAWING

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

3/21/98
 DATE



CERTIFIED: 7/21/97

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



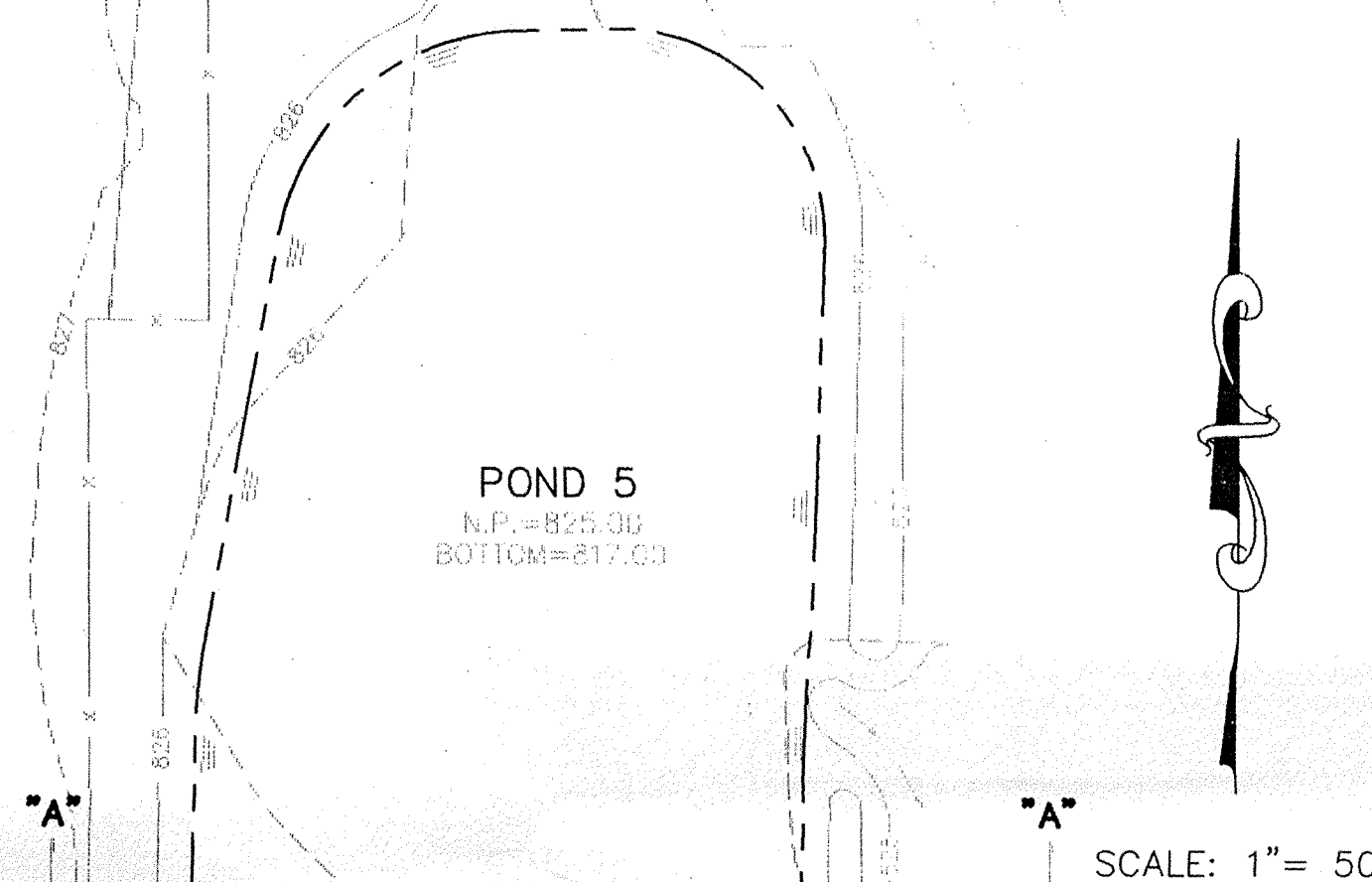
SITE DEVELOPMENT PLAN
 PINEHURST VILLAGE SECTION TWO
 NOBLESVILLE INDIANA

SHEET NO. 3
 OF 13 SHEETS
 JOB NO. 23970

EXISTING PINEHURST VILLAGE SECTION ONE

POND SECTION "A"-"A"
 SCALE: 1" = 50'

CONTRACTOR TO INSTALL TEMPORARY FENCE UPON COMPLETION OF LAKE



SCALE: 1" = 50'

EMERGENCY SPILLWAY "B"-"B"
 NOT TO SCALE
 NOTE: EMERGENCY SPILLWAY TO BE INSTALLED AS PART OF THIS CONTRACT.

"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.

- 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 from area to be occupied by a road surface 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 of protective measure to be taken, if any, to preserve such trees.
 - REMOVAL OF TOPSOIL
 - All topsoil shall be removed from all areas 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 0.10 feet above established subgrade. All other areas shall not exceed 0.10 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.

- 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)
 - 45 LOT NUMBER
 - 838.5 PAD ELEVATION
PAD SIZE 45x85'
 - ★ DENOTES PADS OF 2'-0" OF FILL OR MORE
 - PROPOSED 4" UNDERDRAINS
 - * DENOTES PADS AT REDUCED SIZE (SEE DIMENSIONS)

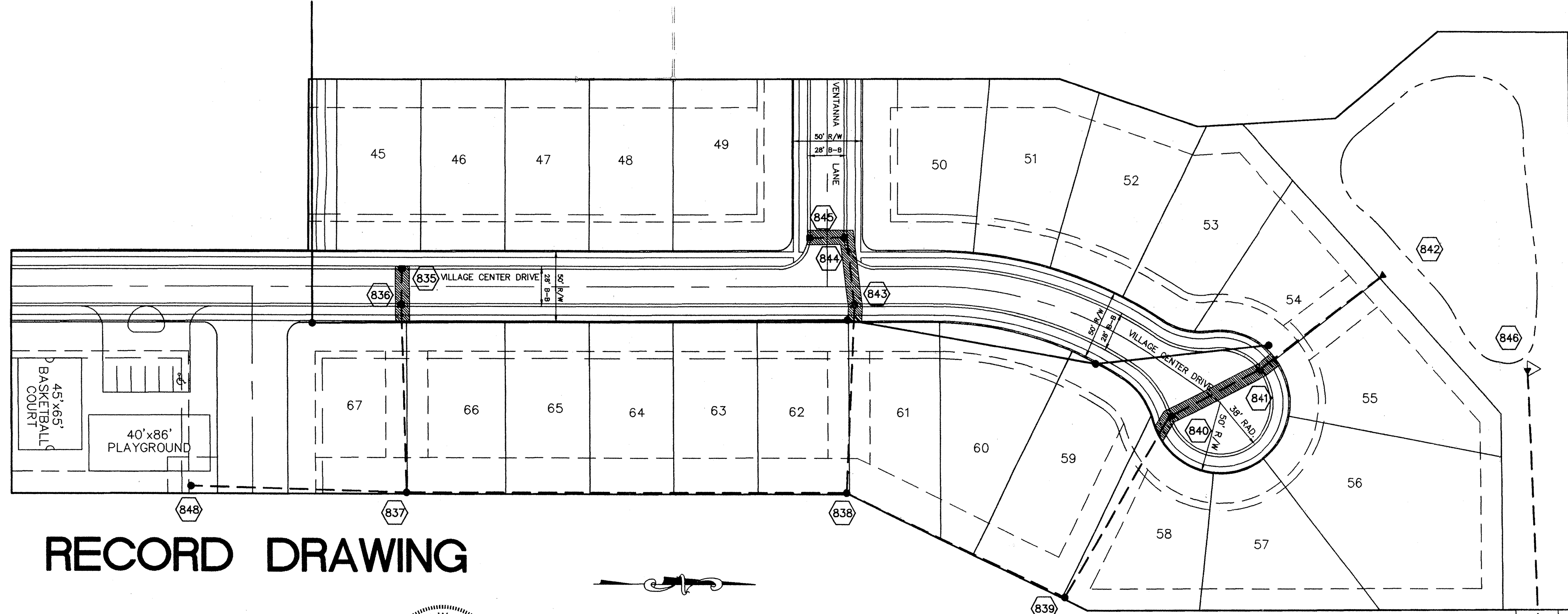
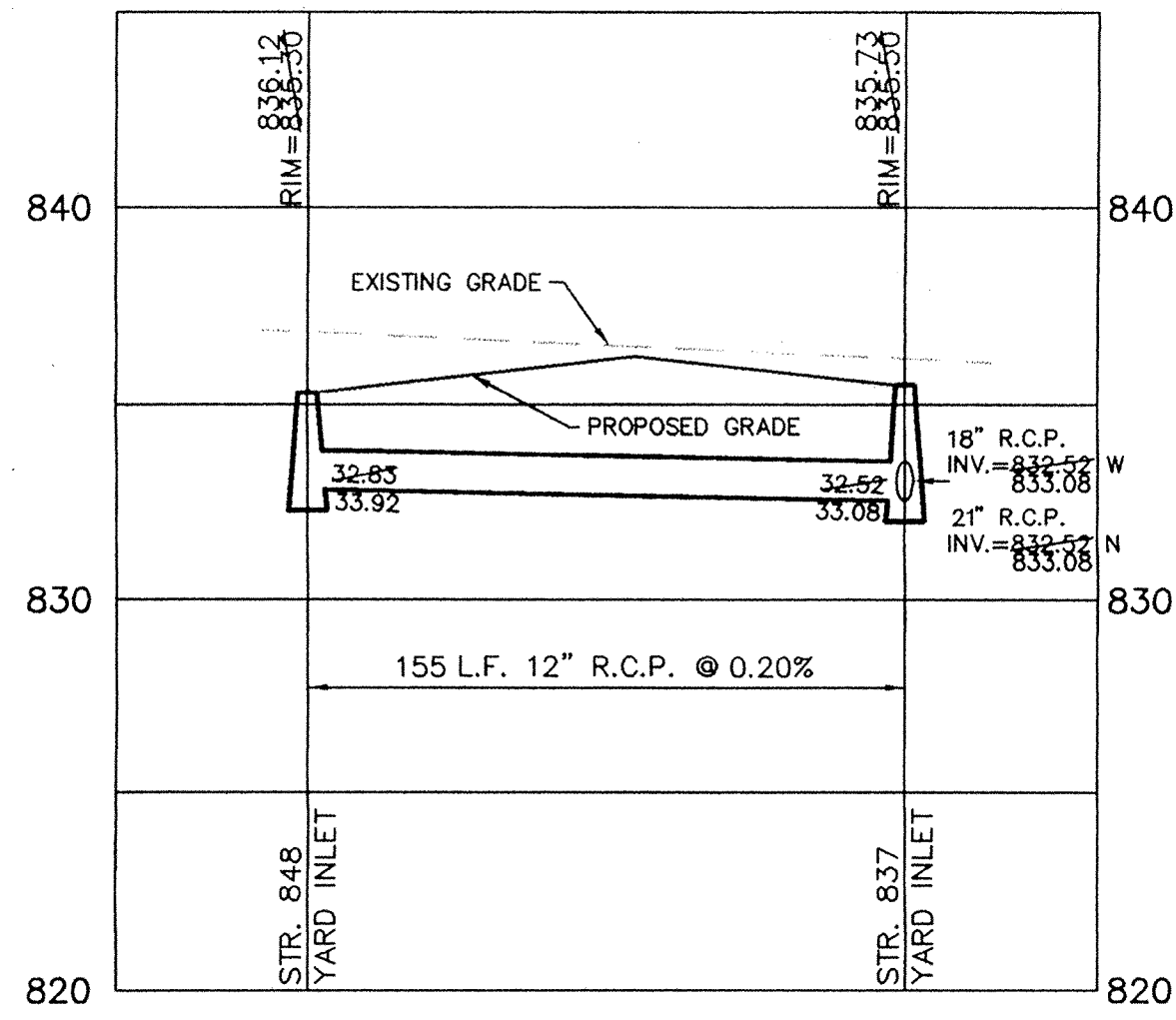
NOTE:
 CONCRETE SLAB CONSTRUCTION ONLY.
 NO SWALE UNDERDRAINS REQUIRED.

STORM TABLE

STR. NO.	TYPE	TC/RIM	INVERTS
835	Curb Inlet	836.11	832.99
836	Curb Inlet	836.11	832.91
837	Yard Inlet	835.50	832.52
838	Yard Inlet	837.00	831.57
839	Yard Inlet	837.50	831.07
840	Curb Inlet w/Manhole	837.47	830.62
841	Curb Inlet w/Manhole	838.23	830.39
842	Metal End Section	---	830.00
843	Curb Inlet	837.30	833.48
844	Curb Inlet	837.00	833.62
845	Curb Inlet	837.00	833.70
846	Metal End Section	---	830.00
847	Metal End Section	---	829.00
848	Yard Inlet	835.30	832.83

BENCHMARK:
 HAM-33-Aluminum Disc.-N-Handwell Set-N-Concrete or less 75 feet West of Asphalt. Access Drive South of Soccer Field ELEMENTARY SCHOOL.
 APR 27 1998
 ELEV. = 836.28

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



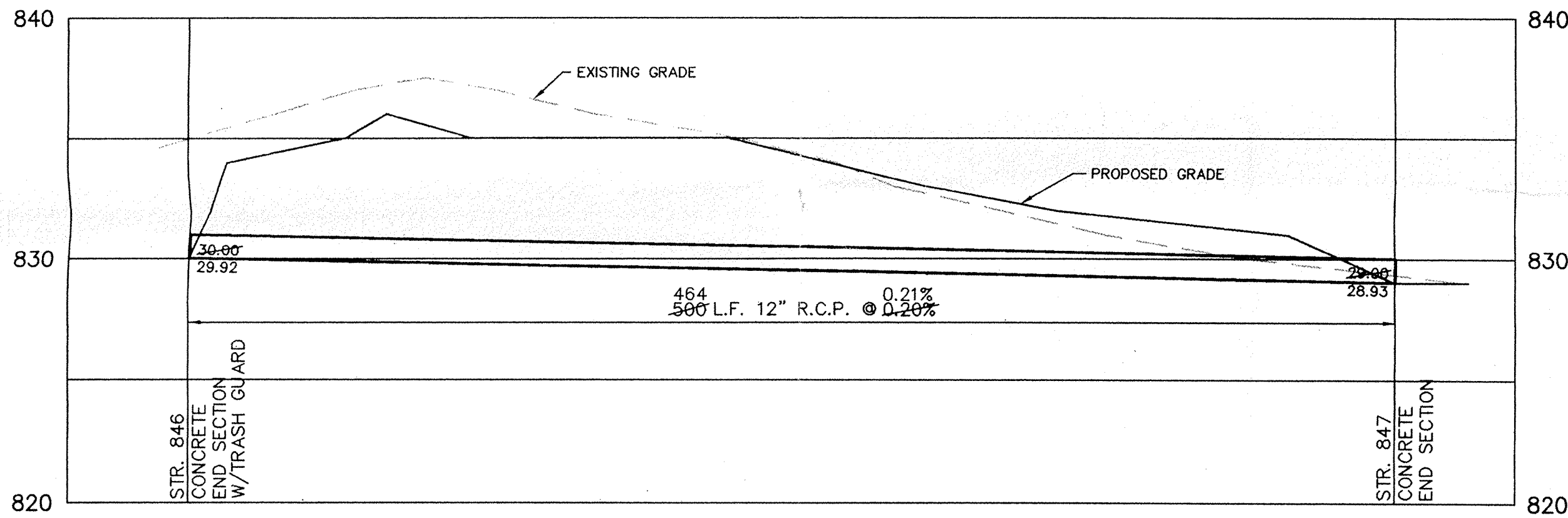
RECORD DRAWING

Jeffery W. Darling
JEFFERY W. DARLING
Registered Land Surveyor
No. 900017
DATE 3/21/98



SCALE: 1"= 50'

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



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"	2'x2'		DESIGN APPROVAL	No	Yes	Yes
18" or 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" or 27"	2'x3'		DESIGN APPROVAL	No	No	Yes
24" or LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" or LARGER		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

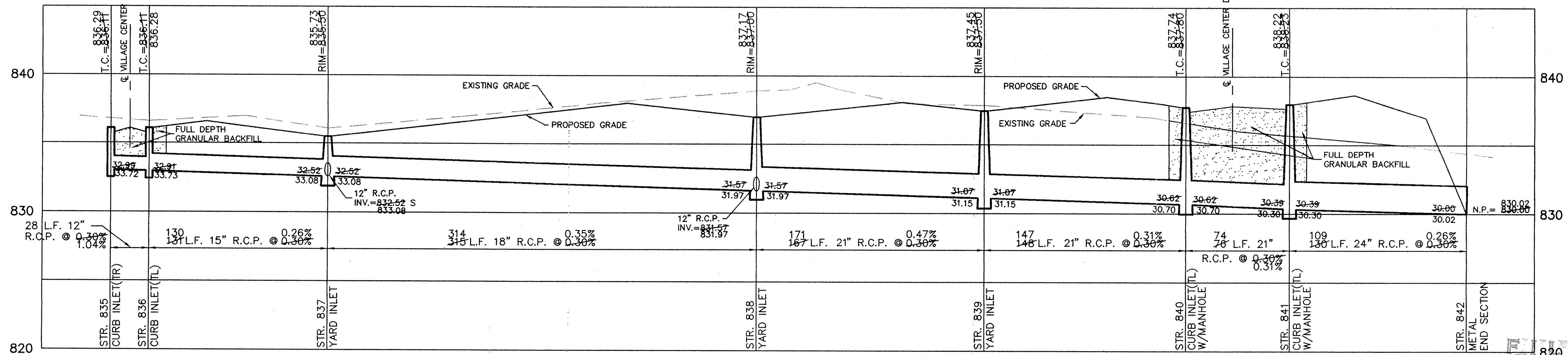
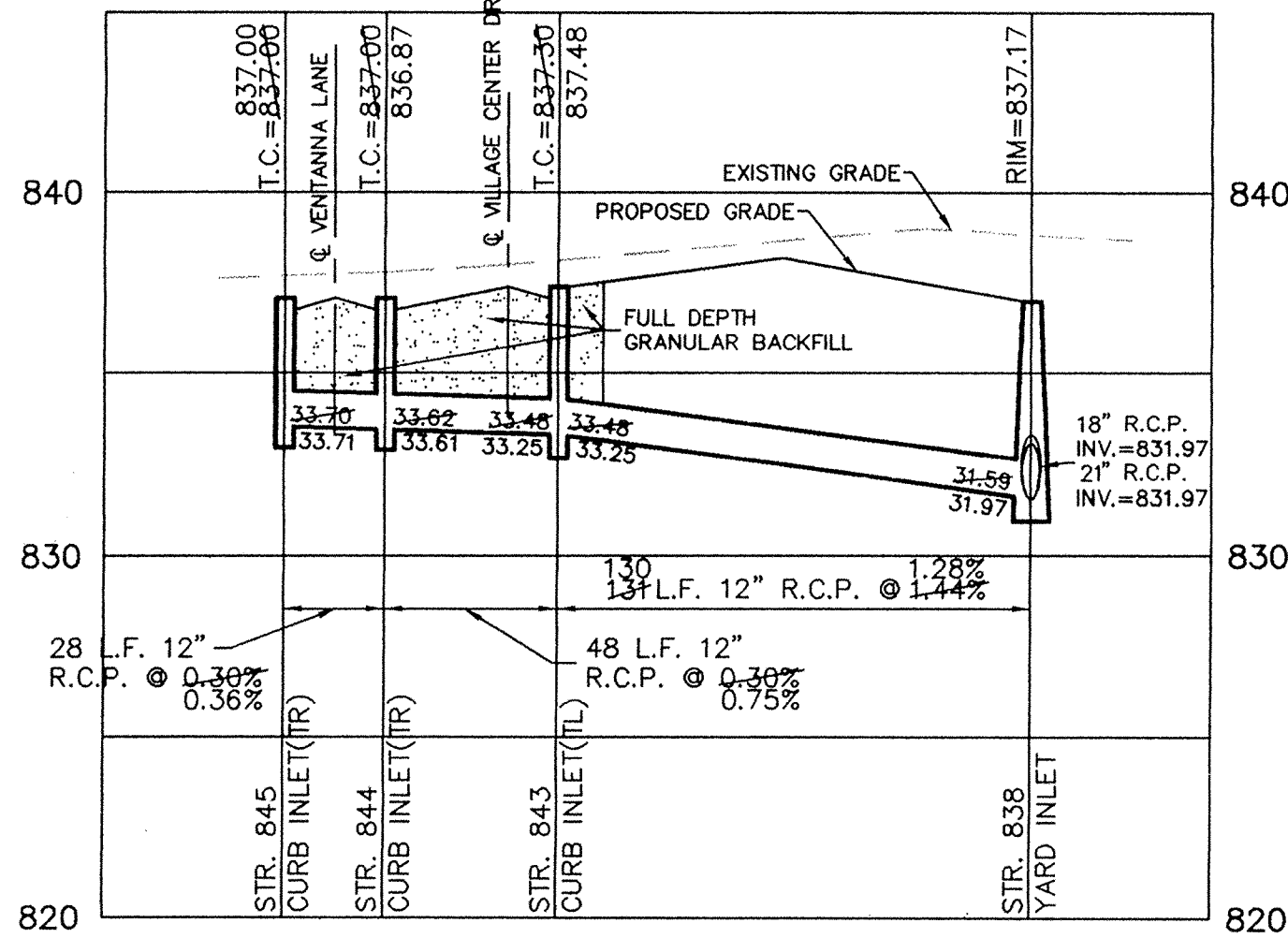
SPECIAL NOTE:
STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A M.H. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.

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.

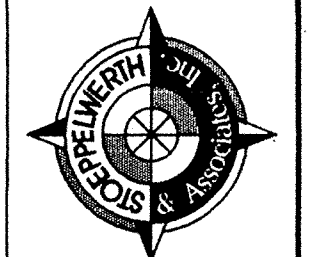
Hamilton County, Indiana seal. Text: "This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS." Entry Date: 4/28/00. Entered by: SLA/JOH 3/4/04.

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



DATE	7/21/97	MARK		REVISIONS	BY
DATE		MARK			
DATE		MARK			
DATE		MARK			
DATE		MARK			

CERTIFIED: 7/21/97
CONSULTING ENGINEERS - LAND SURVEYORS
(317) 849-5935 1-800-728-6917 FAX: (317) 849-5942
INDIANAPOLIS INDIANA



STORM SEWER PLAN & PROFILE
PINEHURST VILLAGE SECTION TWO
NOBLESVILLE INDIANA

APR 27 1998
OFFICE OF HAMILTON COUNTY SURVEYOR
SHEET NO. 9 OF 13 SHEETS
JOB NO. 23970