

Drain: MARY NAGLE **Drain #:** 140
Improvement/Arm: MORSE LANDING SECTION 4
Operator: J. LIVINGSTON **Date:** 4-29-04
Drain Classification: Urban/Rural **Year Installed:** 1987

GIS Drain Input Checklist

- Pull Source Documents for Scanning JL
- Digitize & Attribute Tile Drains _____
- Digitize & Attribute Storm Drains JL
- Digitize & Attribute SSD JL
- Digitize & Attribute Open Ditch JL
- Stamp Plans JL
- Sum drain lengths & Validate JL
- Enter Improvements into Posse SLM
- Enter Drain Age into Posse JL
- Sum drain length for Watershed in Posse JL
- Check Database entries for errors JL

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: MARY MAGLE - MORSE LANDING SECTION 4

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
RCP	12"	1088'	1043'	-45'		
	18"	900'	850'	-50'		
	24"	217'	217'			
	15"	168'	168'			
SSD	6"	1445'	1445'			
OPEN DITCH	—	290'	290'			
CMP	10"	20'	20'			
	36"	235'	235'			
	24"	85'	85'			
	12"	0'	45'	+45'		
	18"	0'	50'	+50'		

Sum: 4448' 4448' 0

Final Report: 4448'

Comments:
45' OF WHAT WAS REPORTED AS 12" RCP IS 12" CMP ACCORDING TO THE RESULTS
50' OF WHAT WAS REPORTED AS 18" RCP IS 18" CMP ACCORDING TO THE RESULTS.



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

773-6110 Ext. 19

Noblesville, Ind. 46060

FILED
January 8, 1988
JAN 11 1988

To: Hamilton County Drainage Board

HAMILTON COUNTY DRAINAGE BOARD
Nancy Ann Oldham
SECRETARY

Re: Mary Nagle Drain, Morse Landing
Section 4 Arm

Attached is a petition, non-enforcement request, plans, calculations and assessment roll for the Morse Landing Arm, Mary Nagle 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 benefitted. The drain will consist of the following.

✓ Open Ditch	290 ft	18" RCP	940 ft
6" SSD	1410 ft	24" RCP	152 ft
12" RCP	1048 ft	36" CMP	235 ft
15" RCP	168 ft	8" CMP	20 ft

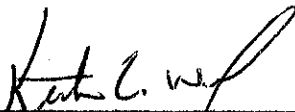
The total length of the drain will be 4263 feet. The open ditch includes the ravine between the outlet of Str. 451 to the Reservoir along the west line of lot 222; the ravine from the outlet of Str. 455 to the Reservoir along the east line of lot 223; and the open

swale cut from Str. 483 under Toll Gate Road to the open ditch between Str. 478 and the Reservoir. The 71" x 47" CMPA under Toll Gate Road and the open ditch between these pipes and the Reservoir is described as part of the main ditch and not part of this project.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I recommend a maintenance assessment of \$25.00 per lot, \$2.00 per acre for roadways, with a \$25.00 minimum. With this assessment, the total annual assessment for the drain, this section, will be \$1900.00.

The existing 36" CMP under Toll Gate Road and the extension of the culvert (Str. 483) will be included as part of the regulated drain. Also to be included is the existing 36" CMP under Morse Landing Drive between Morse Landing Sections 3 & 4. The inlets east of the pipe are not included. The subsurface drain (SSD) serving lots 167, 168, 170 thru 175, 236, 237 and 178 thru 185 will be included as part of the regulated drain. Only the main line of this system will be included. The stub for each individual lot will not be included.

I recommend a hearing be set for March 1988.



Kenton C. Ward,
Hamilton County Surveyor

KCW/jh

Released 2-3-93



December 2, 1987

Irrevocable Letter of Credit No. 2781695685- 02675
Expiration Date: December 2, 1988

Hamilton County Commissioners
Hamilton County, Indiana

Gentlemen:

For the account of The Shorewood Corporation, we hereby authorize you to draw on us at sight to the extent of ****U.S. \$50,590.00****.

Each of your drafts must:

1. Be marked "Drawn under PSFS Letter of Credit No. 2781695685-02675 dated December 2, 1987".
2. Be presented, together with this original Letter of Credit at our offices at 1234 Market Street, 9th Floor, Philadelphia, Pennsylvania, 19107, no later than 3:00 p.m. Philadelphia time on December 2, 1988.
3. Be accompanied by the following:

Certification by Hamilton County Commissioners, Hamilton County, Indiana of non-compliance with the specifications required for storm sewers in Section ~~of~~ of the Morse Landing by The Shorewood Corporation. Such certification may not antedate this Letter of Credit and;

Certification by Hamilton County Commissioners, Hamilton County, Indiana that funds drawn under this Letter of Credit will be used to bring the storm sewers into compliance in accordance with the specifications referenced.

4. Not exceed, in the cumulative aggregate \$50,590.00.

December 2, 1987
Irrevocable Letter of Credit
No. 2781695685- 02675
Page 2

This Letter of Credit shall be governed by Article 5 of the Uniform Commercial Code. To the extent not inconsistent therewith, this Letter of Credit is subject to the Uniform Customs and Practices for Documentary Credits (1983 Revision), International Chamber of Commerce Publication No. 400 (the "UCP").

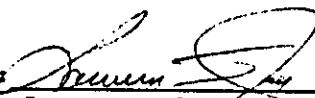
This Letter of Credit states all the terms of our undertaking and, aside from the UCP, shall not be modified, amended, or amplified by reference herein to any other writing, instrument or agreement. Nor, aside from UCP shall any reference herein to any other writing, instrument, or agreement be deemed to incorporated herein such writing, instrument, or agreement.

This Letter of Credit is neither assignable nor transferable.

We hereby irrevocably agree that drafts drawn under and presented in strict compliance with the terms of this Letter of Credit shall be duly honored within three business days of presentation.

Very truly yours,

MERITOR SAVINGS BANK (formerly
The Philadelphia Saving Fund Society)

By: 
Lawrence S. Jones
Director

CERTIFICATE OF COMPLETION AND COMPLIANCE

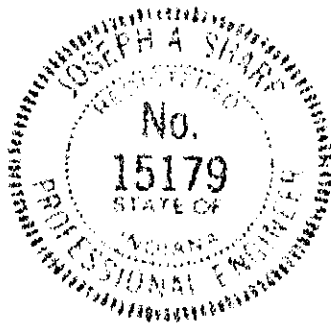
TO: Hamilton County Drainage Board
FROM: Paul I. Cripe, Inc.
SUBJECT: Morse Landings Subdivision, Section Four

I hereby certify that

- 1) I am familiar with the plans and specifications for the above referenced project,
- 2) I have personally observed the completion of the above referenced project, and
- 3) To the best of my knowledge, information and belief, the above referenced project has been performed and completed in conformity with all plans and specifications, except as pertains to erosion control seeding which will be accomplished at the earliest opportunity/ climate conditions permitting.

Signature Joseph A. Sharp Date February 7, 1990
 Type or Printed Name Joseph A. Sharp
 Business Address 7172 Graham Road
Indianapolis, IN 46250
 Telephone 848-6777

Seal _____ Indiana Registration Number 15179



FILED
FEB 08 90

OFFICE OF HAMILTON COUNTY SURVEYOR
BY _____



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

January 28, 1997

**Re: Mary Nagle Drain - Morse Landing Sec. 4
Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Morse Landing Sec. 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 January 8, 1988. The changes are as follows:
Structure 477-478 consists of 85' of 24" CMP which was originally reported as RCP.
Structure 475-end section was an additional structure added to the plans. This structure consists of 150 feet of 24" RCP. The 8" CMP was upgraded to a 10" CMP. The corrected lengths are as follows 12" RCP - 1088' feet, 18" RCP - 900' feet, 24" RCP - 217' feet, 6" SSD - 1445' feet.

The length of the drain due to the changes described above is now **4,448 feet**.

The non-enforcement was approved by the Board at its meeting on December 12, 1988 and recorded under instrument #8826587.

The bond or letter of credit from Meritor, number 2781695685-02675, dated December 2, 1987, in the amount of \$50,590.00, was released February 3, 1993.

I recommend the Board approve the drains construction as complete and acceptable.

Sincerely,

Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

Asbuilt Structures

Project: MORSE LANDING SEC. 4

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

455	834.40	827.04				
460	832.30	826.47	15"	168'	✓	
460	832.30	826.27				
461	835.60	825.12	18"	155'	✓	
461	835.60	825.08				
462	834.90	824.30	18"	140'	✓	
462	834.90	824.14				
464	828.80	822.69	18"	137'	✓	
464	828.80	822.40				
467	829.70	821.68	18"	105'	✓	
467	829.70	821.48				
468	824.10	819.38	18"	125'	✓	
482	837.0	824.10				
481	837.50	831.81	12"	125'	✓	
481	837.50	831.81				
474	835.85	832.54	12"	50'	✓	
474	835.85	832.25				
473	835.95	830.09	12"	31'	✓	

6" SSD Streets:

Total: _____

RCP Pipe Totals:

6" SSD Lots:

✓	171-175	265'
✓	166-168	190'
✓	169-170	85'
	236-239	180'
✓	176-180	365'
✓	181-185	360'

Total: 1445'

Other Drain:

Total Length of Drain: _____

Asbuilt Structures

Project: Horse Handling Sec 4

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

473	835.95	829.98				
472	825.30	821.54	12"	122'	✓	
472	825.30	821.49				
468	824.10	820.67	12"	150'	✓	
468	844.10	819.23				
469	823.48	818.81	18"	12'	✓	
469	823.48	818.53				
470	823.64	818.14	18"	26'	✓	
470	823.64	818.12				
471	820.0	815.47	18"	50'	✓	
471	820.0	811.05				
UNDER H ₂ O discharge	—	805.85	18"	150'	✓	
475	820.09	811.07				
476	822.29	817.02	24"	20'	✓	
476	822.29	816.52				
477	822.02	816.47	24"	47'	✓	

6" SSD Streets:

Total: _____

RCP Pipe Totals:

6" SSD Lots:

Total: _____

Other Drain:

Total Length of Drain: _____

Asbuilt Structures

Project: MORSE LANDING SEC. 4

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

477	822.02	815.05				
END SEC. 478	—	815.05	24" CMP	85'	✓	<i>Reported as Ref</i>
480	832.50	828.70				
479	832.59	828.02	12"	31'	✓	
479	832.59	827.92				
END SEC. 451	—	820.94	12" CMP	45'	✓	
458	833.81	828.99				
457	833.49	829.06	12"	30'	✓	
457	833.49	829.05				
456	837.0	828.48	12"	50'	✓	
456	837.0	828.23				
455	834.4	827.99	12"	112'	✓	
10" CMP	—	—	10" CMP	20'		<i>FRM 8" CMP</i>
457	833.49	829.0				
459	833.43	828.85	12"	30'	✓	

6" SSD Streets:

Total: _____

6" SSD Lots:

Total: _____

RCP Pipe Totals:

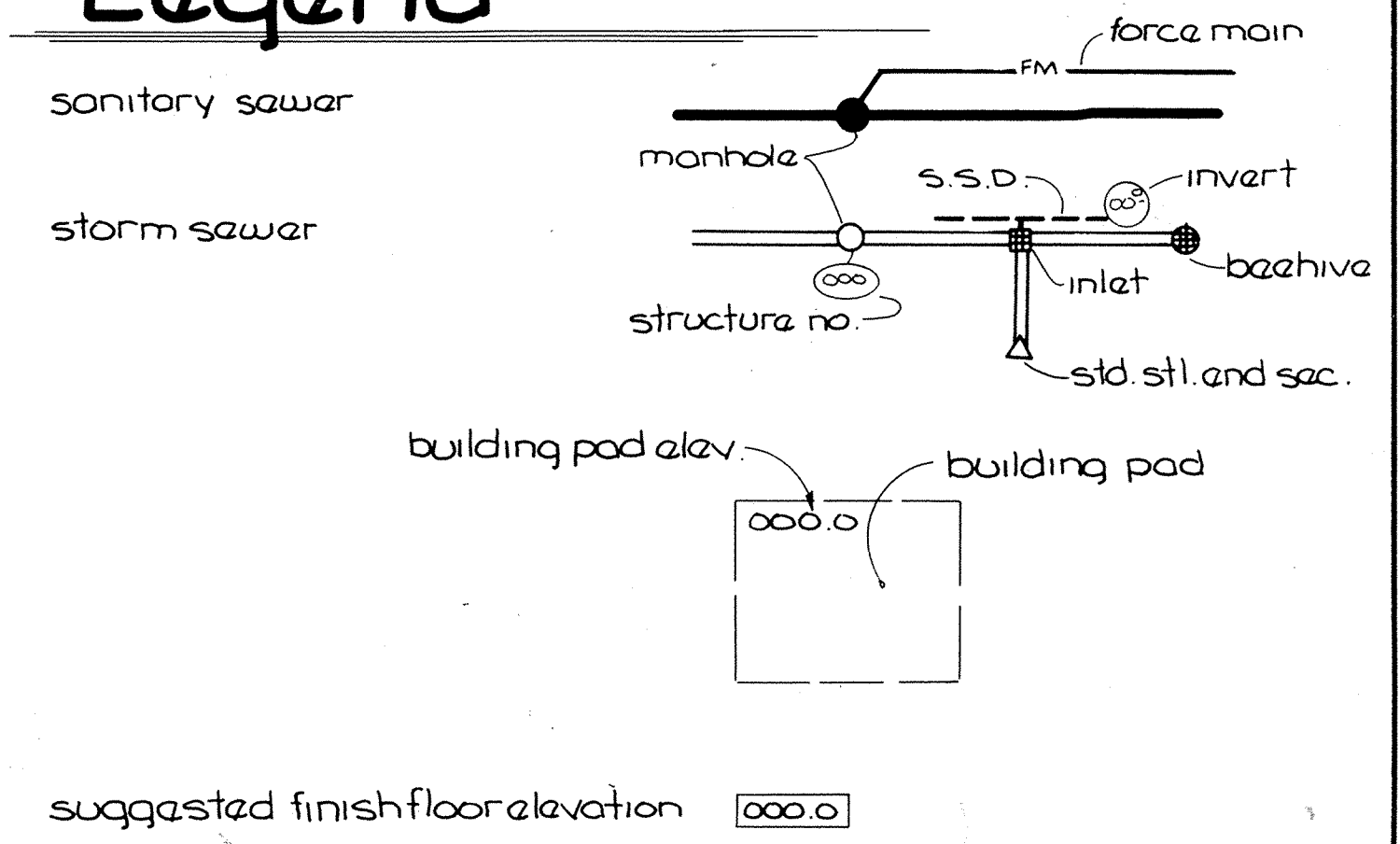
Other Drain:

Total Length of Drain: _____

Marsh Landing - Section Three



Legend



Note:

bearings, dimensions, and easements are shown for reference and do not necessarily depict actual recorded information, see Recorded Plat for exact information.

contractor doing general earthmoving shall be responsible for final placement of soils displaced by granular backfill and soil removed from swales.

HAMILTON COUNTY INDIANA 1823

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: 4-30-04

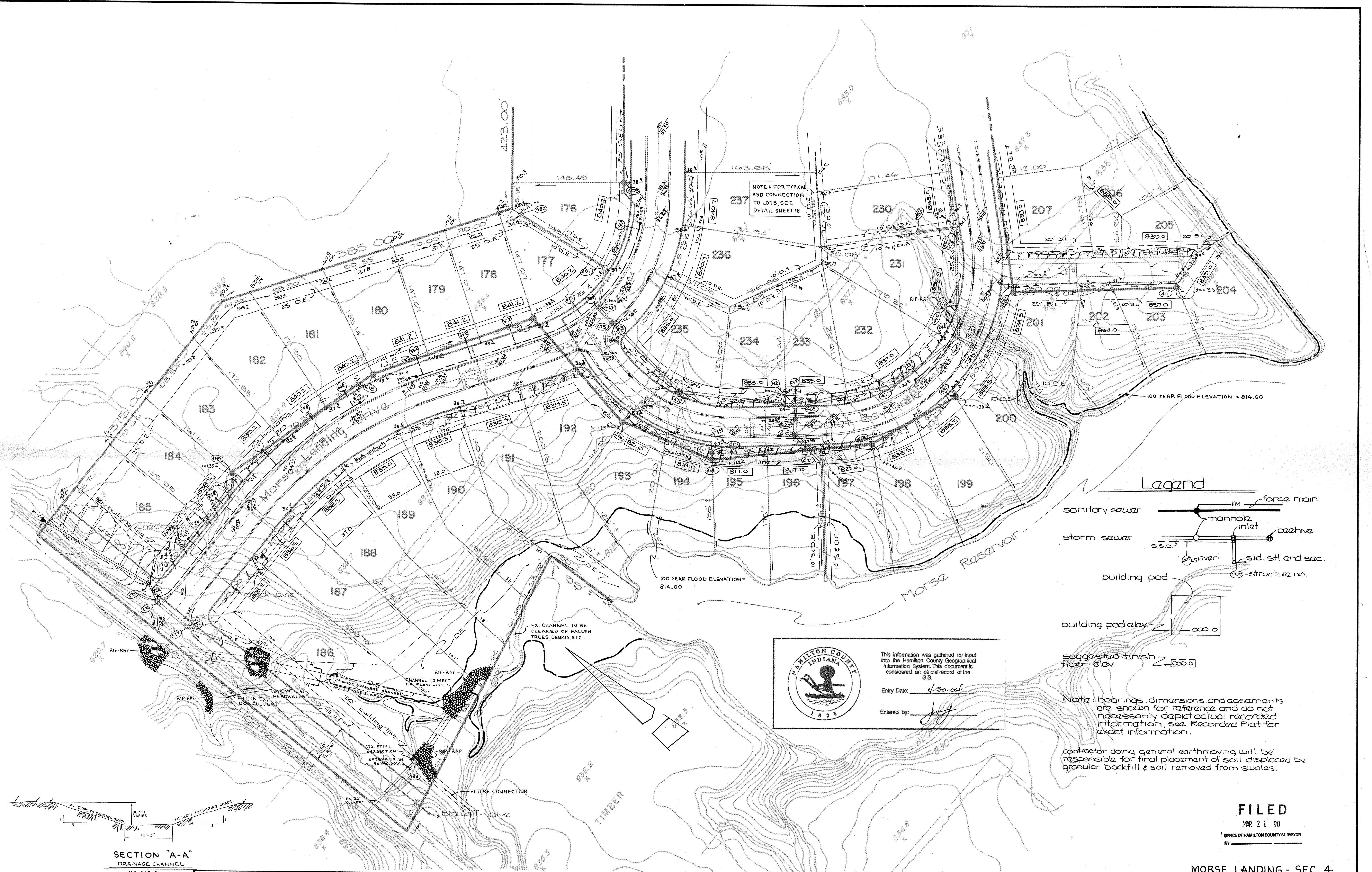
Entered by: *[Signature]*

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MAR 21 90

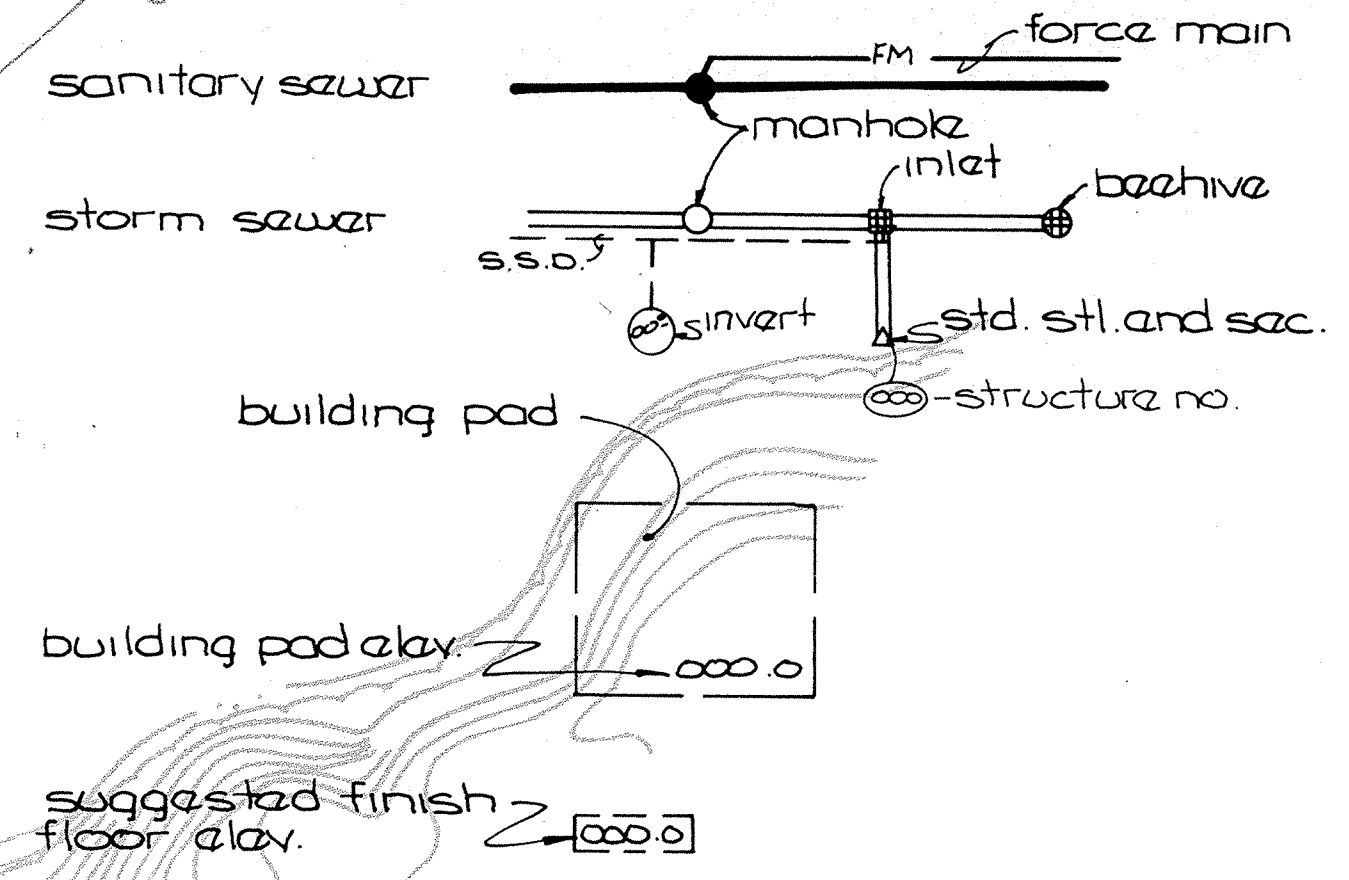
OFFICE OF HAMILTON COUNTY SURVEYOR

MORSE LANDING - SEC. 4

CERTIFIED BY	12-29-87 MISC. REVISIONS	REVISIONS	PAUL I. CRIFE, INC. 7172 GRAHAM ROAD INDIANAPOLIS, INDIANA 46250 317-842-6777	TECH. CHK.	DRAWN BY	SCALE	DATE	CLIENT	DWG. TYPE	FILE NUMBER	SHEET	
	DATE	5-8-89 REV. STREET GRADES 3/6/90 REV. S.S.D. LOTS 168-171		W.H.G. RJS BTJ	DFTNG. CHK.	D.K.S.	1" = 50'	12-12-79	THE SHOREWOOD CORP.			2
DRAWING TITLE									JOB NUMBER			OF 21
SITE DEVELOPMENT PLAN									70031-00814			



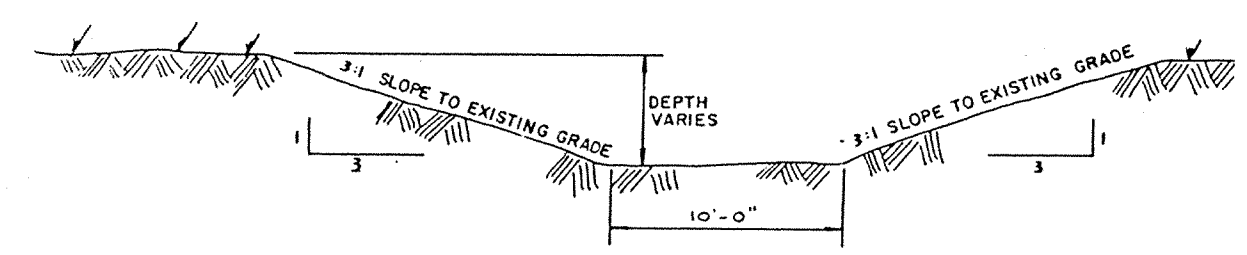
Legend



Hamilton County Indiana
 1825

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

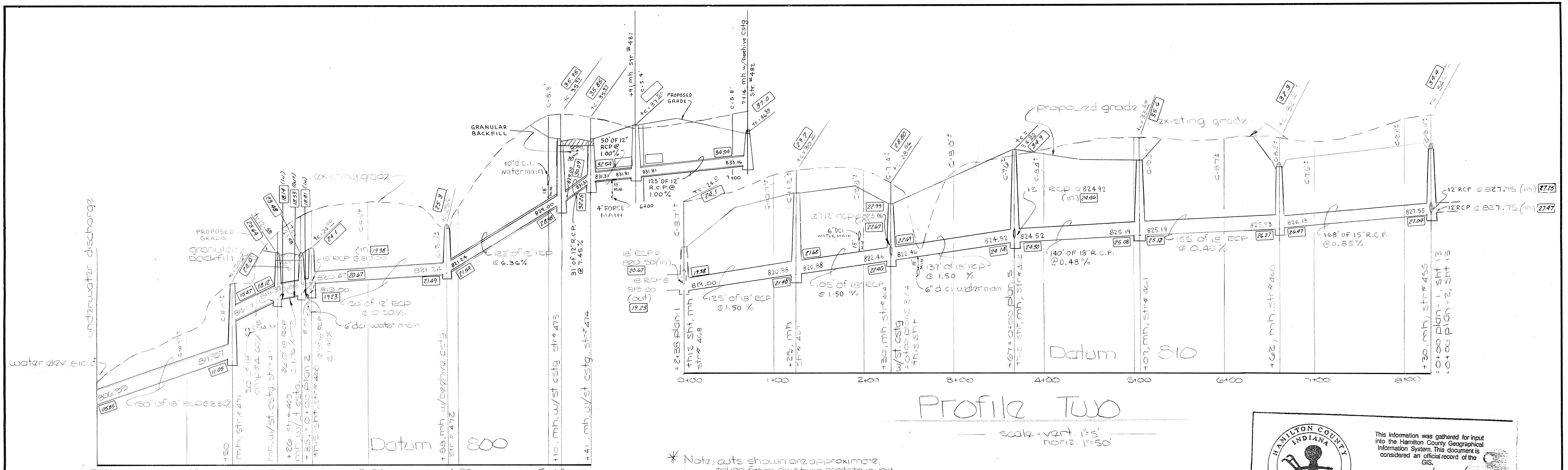
Entry Date: 4-30-04
 Entered by: JLF



FILED
 MAR 21 90
 OFFICE OF HAMILTON COUNTY SURVEYOR

CERTIFIED BY	DATE	REVISIONS		TECH. CHK.	DRAWN BY DKS	SCALE 1" = 50'	DATE 12-12-79	CLIENT THE SHOREWOOD CORP.	DWG. TYPE	FILE NUMBER	SHEET 3 OF 21
		12-16-87 REVISED STORM SEWER @ LOT 186	W.H.G.								
		12-28-87 MISS. REVISIONS	W.H.G.								
		5-8-89 REVISED STREET GRADES	RJT								
		UNCLER. 2004. P&E TO LOT 185. W.H. GIBBS	DTG								
PAUL I. CRIFE, INC. • CIVIL ENGINEERING 7172 GRAHAM ROAD • LAND SURVEYING INDIANAPOLIS, INDIANA 46250 • ARCHITECTURE (317) 842-6777 • LAND PLANNING				DRAWING TITLE SITE DEVELOPMENT PLAN		JOB NUMBER 70031-00814					

MORSE LANDING - SEC. 4



Profile One
 scale - vert. 1/4"=1'
 horiz. 1"=50'

Profile Two
 scale - vert. 1/4"=1'
 horiz. 1"=50'

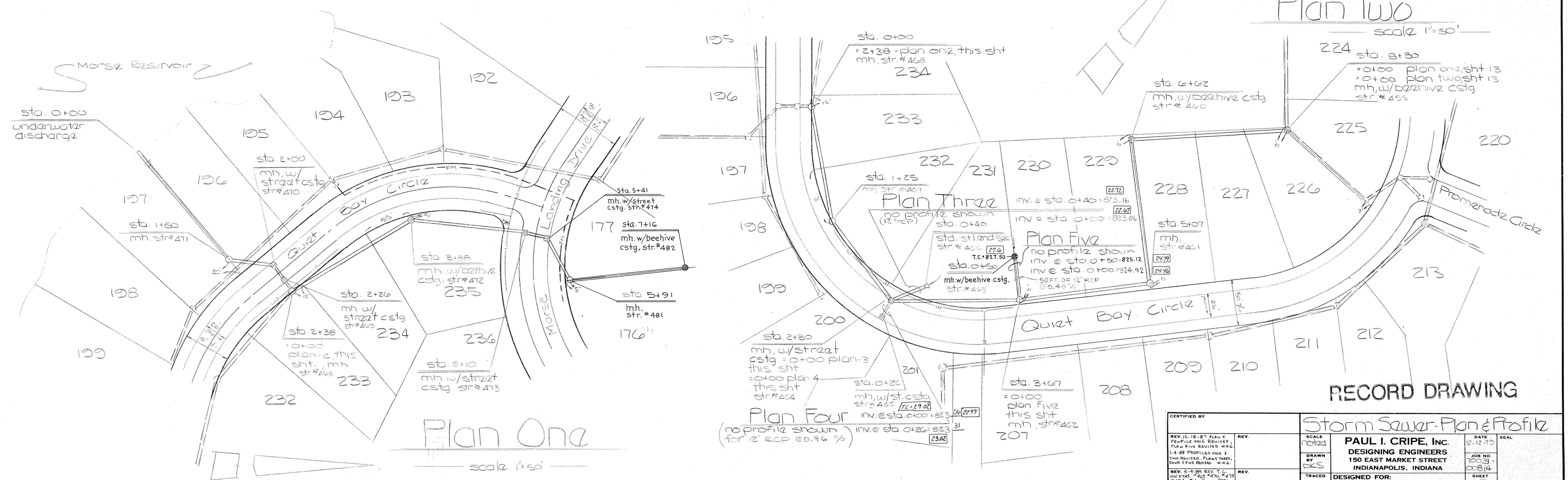
- * Note: cuts shown are approximate, taken from existing grades to invert of pipe.
- manhole casting - Nazmah R-1172-A
- manhole w/ street castg. - Nazmah R-3010
- manhole w/ beehive castg. - Nazmah 2360 E-1

HAMILTON COUNTY INDIANA

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: 4-29-04

Entered by: *[Signature]*



Plan One
 scale 1"=50'

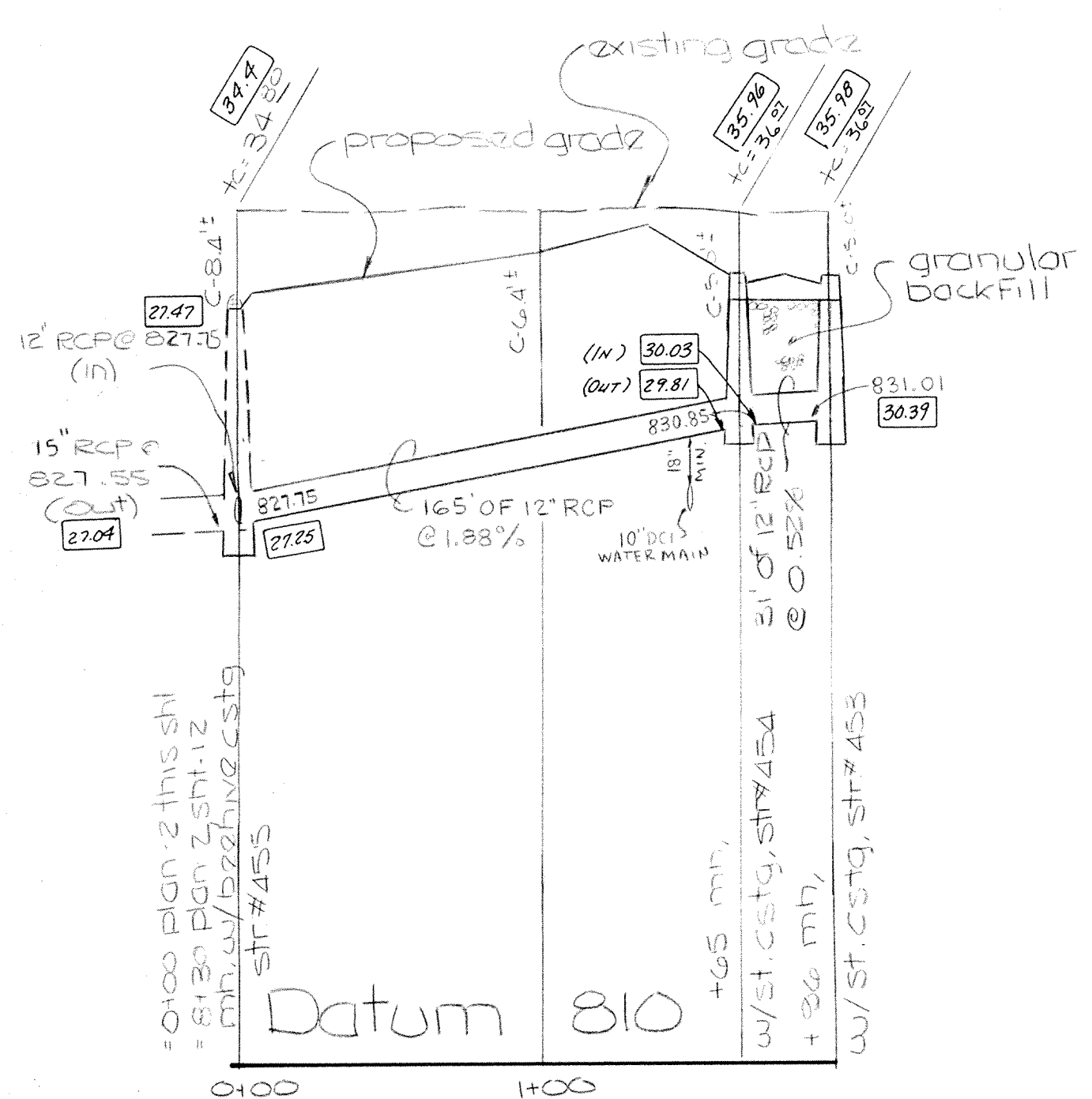
Plan Two
 scale 1"=50'

RECORD DRAWING

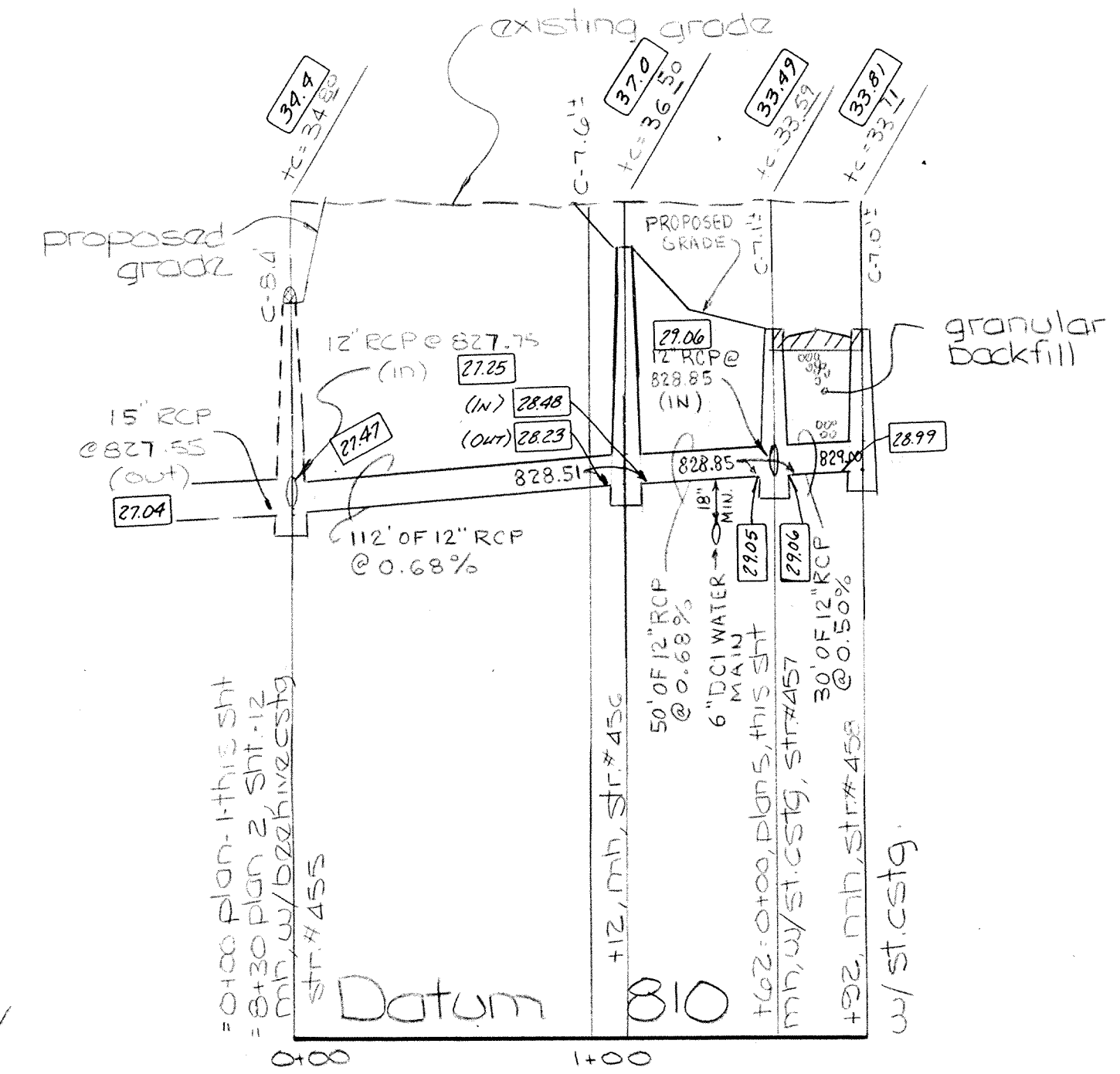
CERTIFIED BY REV. 12-18-87 PLAN 4 PRACTICE ONE REVISION 2 PLAN FIVE REVISION 2 1-4-88 PROFILES ONE & TWO REVISIONS, PLANS THREE, FOUR & FIVE REVISIONS - WAG REV. 5-1-99 REV. T.C. 04-21-03 405 470 473 474 474 475 11-7-81 Add Street Information - TCC		SCALE noted DRAWN BY DKS TRACED [] CHECKED BY []	DATE 12-12-79 JOB NO. 0033-0084 SHEET 12 OF 21
PAUL I. CRIFE, INC. DESIGNING ENGINEERS 150 EAST MARKET STREET INDIANAPOLIS, INDIANA		DESIGNED FOR: Morse Landing Section Four	



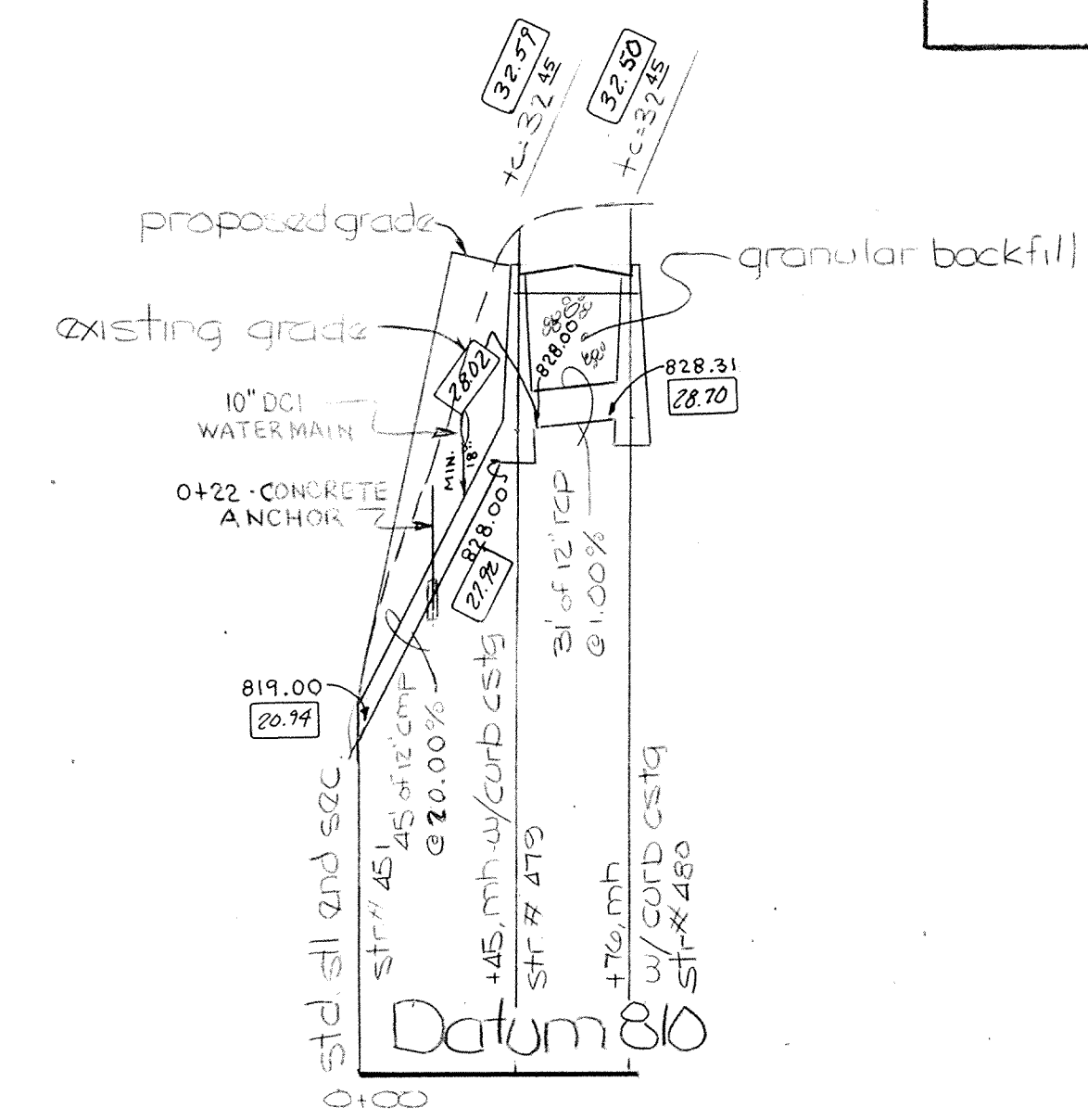
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.
 Entry Date: 4-29-04
 Entered by: [Signature]



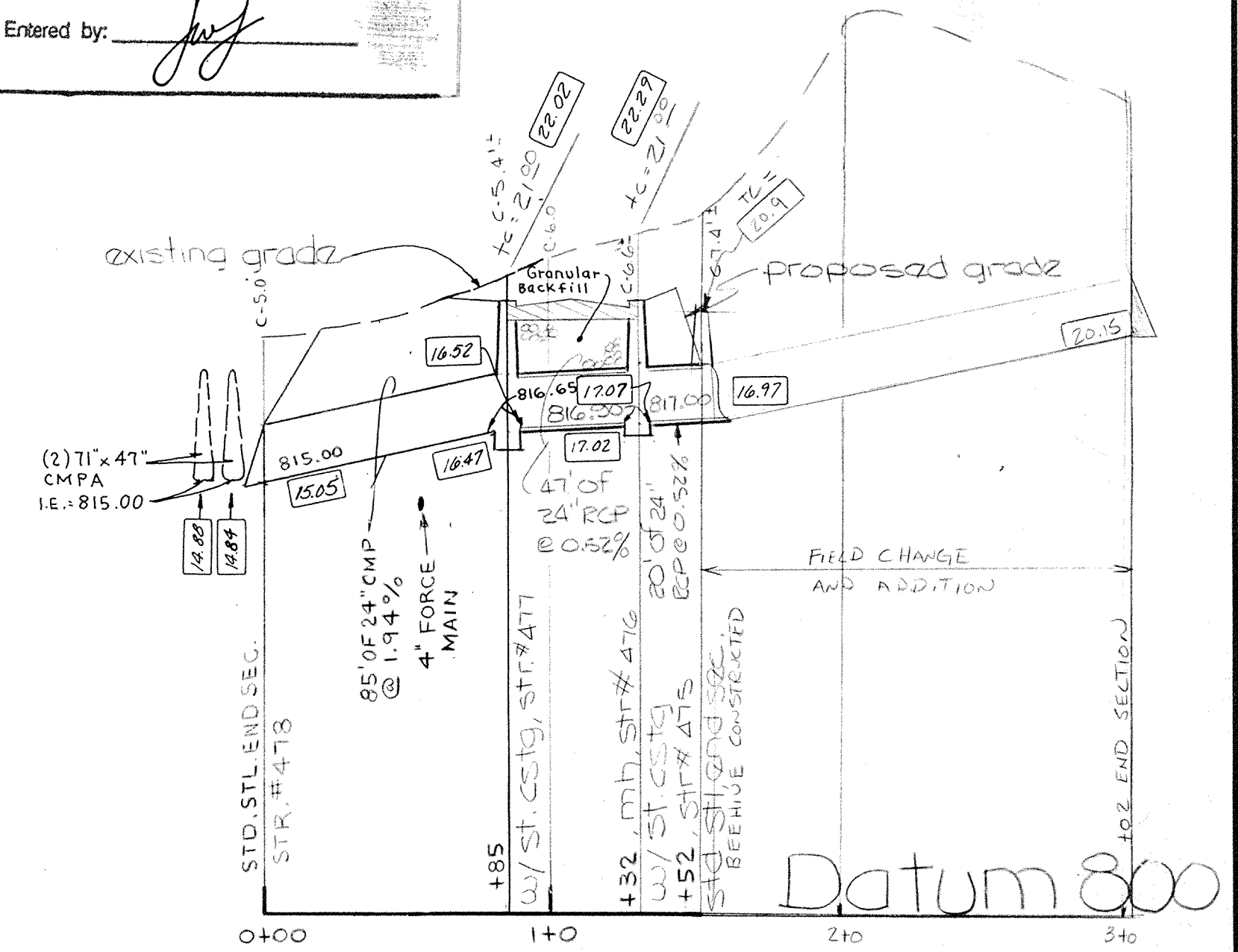
Profile One
 scale - vert. 1"=5'
 horiz. 1"=50'



Profile Two
 scale - vert. 1"=5'
 horiz. 1"=50'

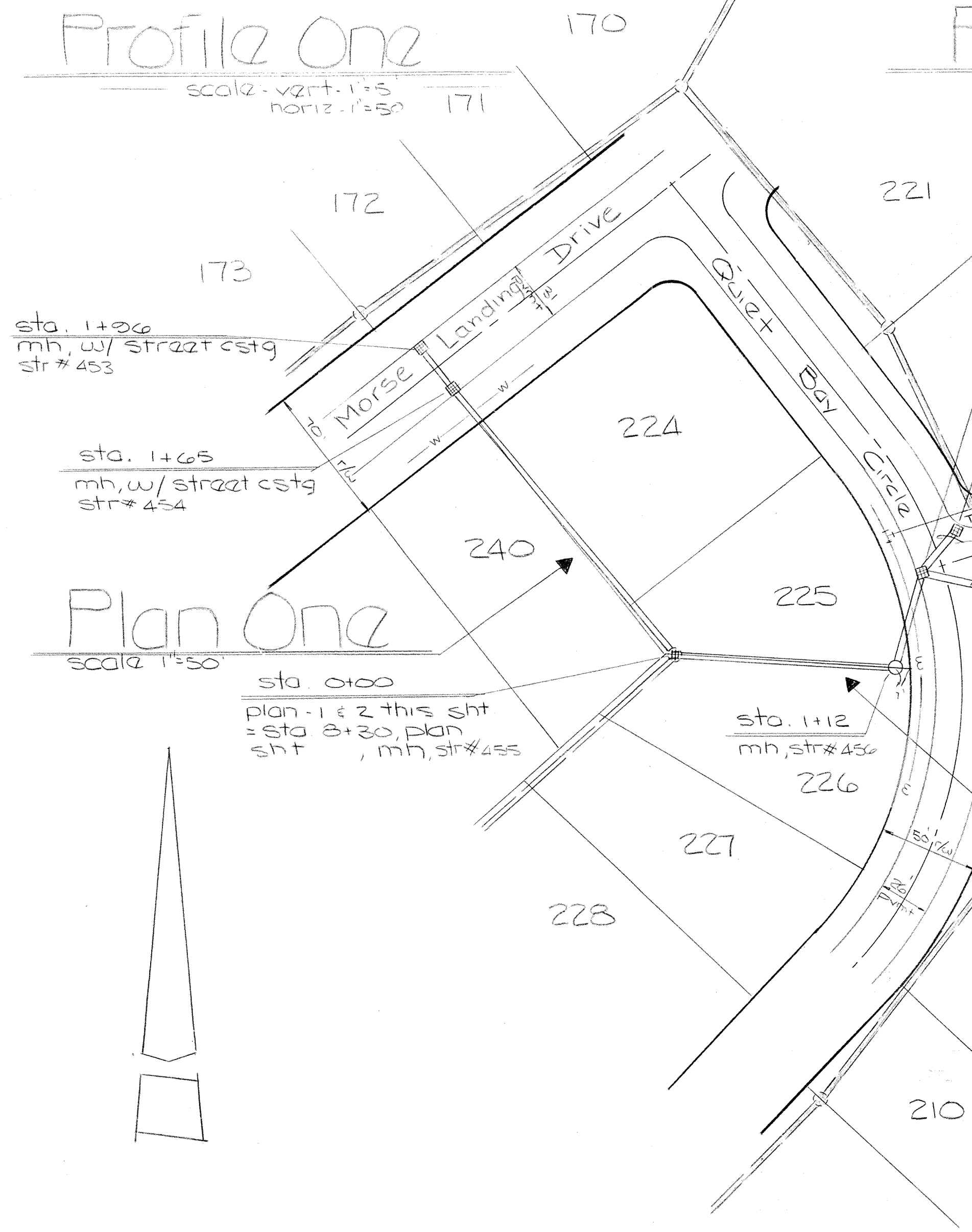


Profile Three
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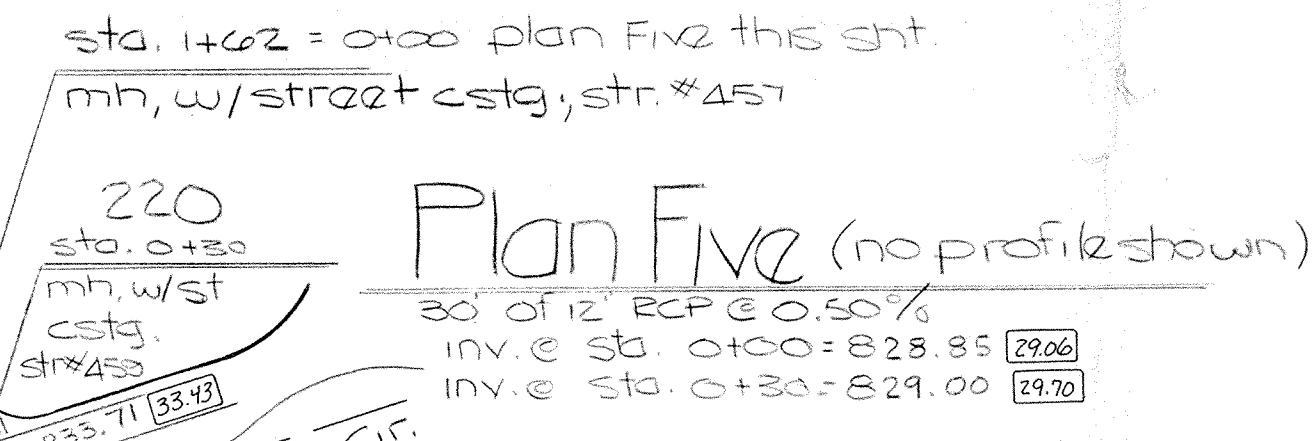


Profile Four
 scale - vert. 1"=5'
 horiz. 1"=50'

* Note: all cuts shown are approximate, taken from existing grade to invert of pipe
 - manhole casting - Neznah R-1772-A
 - manhole w/ street csg - Neznah R-2010
 - manhole w/ bsnive csg - Neznah 2560 E-1

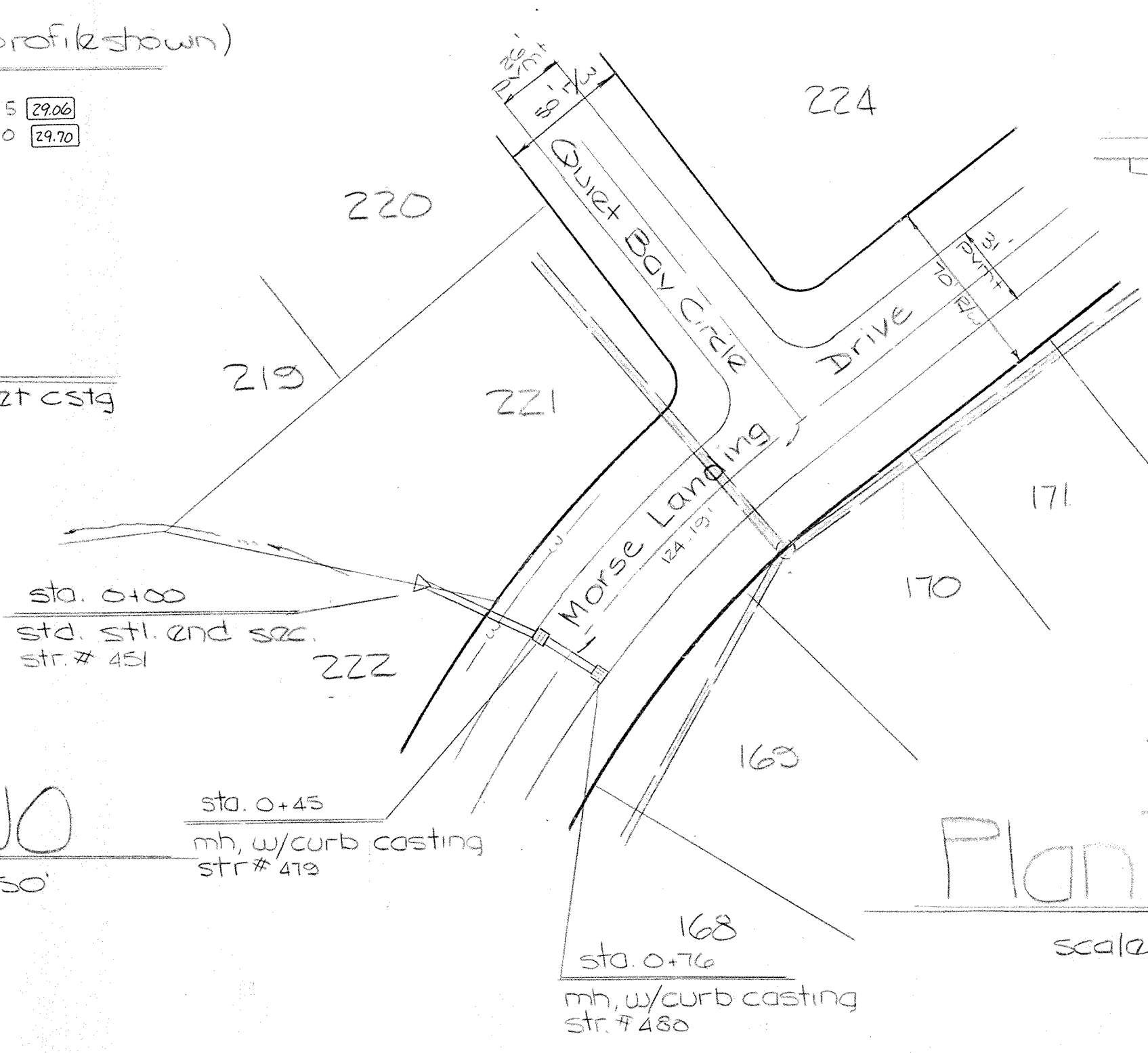


Plan One
 scale 1"=50'

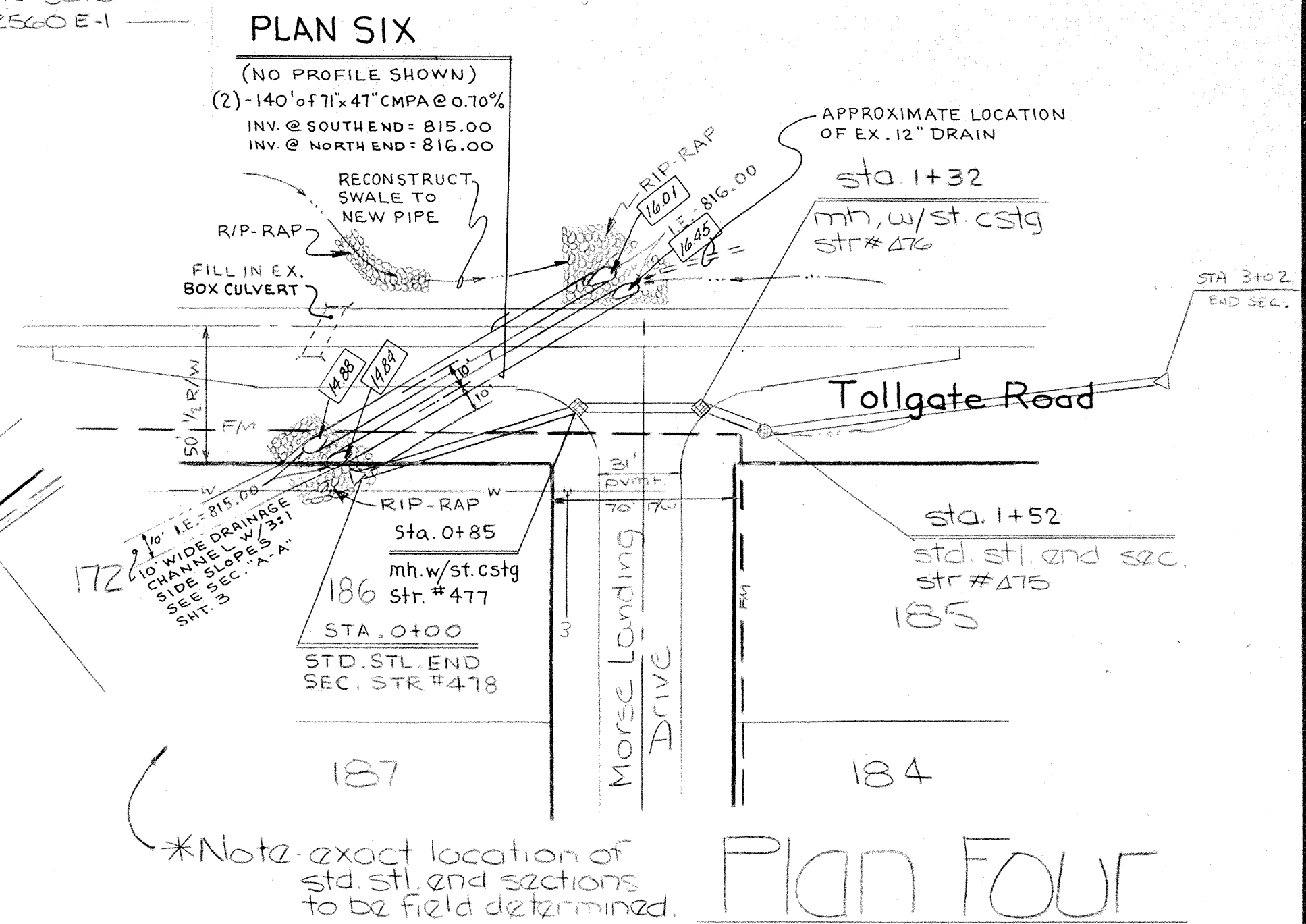


Plan Five (no profile shown)
 30' of 12" RCP @ 0.50%
 INV. @ STA. 0+00 = 828.85
 INV. @ STA. 0+30 = 829.00

Plan Two
 scale 1"=50'



Plan Three
 scale 1"=50'



Plan Six
 (NO PROFILE SHOWN)
 (2) 140' x 41' CMPA @ 0.10%
 INV. @ SOUTH END = 815.00
 INV. @ NORTH END = 816.00

Plan Four
 scale 1"=50'

RECORD DRAWING

CERTIFIED BY		Storm Sewer-Plan & Profile	
REV 12-18-07 PLAN 4 PROFILE FOUR REVISED	REV 12-18-07 PLAN 4 PROFILE FOUR REVISED	SCALE NOTED	DATE 12-12-03
PLAN SIX ADDED	PLAN SIX ADDED	DRAWN BY DKS	DESIGNED FOR: Morse Landing Section Four
1" = 48' CURB ANCHOR	1" = 48' CURB ANCHOR	TRACED	SHEET 13 OF 21
ADDED PROFILE THREE PRO-FILES AND THE THREE PIPE	ADDED PROFILE THREE PRO-FILES AND THE THREE PIPE	CHECKED BY	JOB NO. 00021-00014
REV. 05-21-07 RCP 12" 0.50%	REV. 05-21-07 RCP 12" 0.50%		
0.50% @ 45' @ 45' @ 45'	0.50% @ 45' @ 45' @ 45'		
11-07-07 add record	11-07-07 add record		