

Drain: SADDLE CREEK DRAIN **Drain #:** 295
Improvement/Arm: SADDLE CREEK - SECTION 4
Operator: SLM/JDH **Date:** 6-21-04
Drain Classification: Urban/Rural **Year Installed:** 1998

GIS Drain Input Checklist

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

Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: SADDLE CREEK DRAIN - SADDLE CREEK - SECTION 4

Drain Type:	Size:	Length <i>SURVEYED LENGTH</i>	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	4373	4373	∅		
RCP	12"	547	547	∅		
	18"	170	170	∅		
	21"	28	28	∅		
	24"	16	16	∅		
	27"	535	535	∅		

Sum: 5669' 5669' ∅

Final Report: * 6377

Comments:
 * Incorrectly added up 6" SSD on Lots on the final report.



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

March 22, 1999

RE: Saddle Creek Drain, Section 4 arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 4 Arm, Saddle Creek 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 4302 ft	21" RCP 26 ft
12" RCP 533 ft	24" RCP 17 ft
18" RCP 172 ft	27" RCP 516 ft

The total length of the drain will be 5566 feet.

The retention pond (lake) located at the rear of Lots 108 to 114 is in Section 1 and 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 Owners 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 and those main lines along Ditch Road. Only the main SSD lines which

are located within the right of way are to be maintained as regulated drain. Laterals for the individual lots will not be considered part of the regulated drain.

I reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend that 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 \$30.00 per lot, \$5.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for this section will be \$_____.

Parcels assessed for this drain may be assessed for the Collins-Osborn or Williams Creek Drain at sometime in the future. Parcels assessed for this drain will also be assessed for the O. F. Henley and/or Stultz-Almond 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 requests. These requests are for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Saddle Creek, Section 4 as recorded in the office of the Hamilton County Recorded and for the O. F. Henley Drain.

I recommend the Board set a hearing for this proposed drain for April 26, 1999.

Sincerely,

Kenton C. Ward
Hamilton County Surveyor

KCW/kkw

GASB 34 – Value Calculations

Saddle Creek Sec. 3 & 4

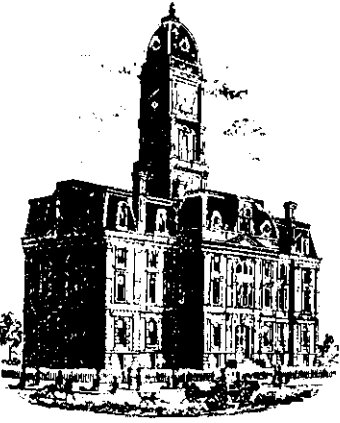
Bond Amount: \$315,400.00
Total Feet apart of OF Henley Drain: 1,923 feet
Total Feet for Saddle Creek Sec 3: 8,713
Total Feet for Saddle Creek Sec 4: 6,377
Total Drain Constructed: 17,013

OF Henley = $1923/17013 = 11\% \times 315,400 = \$34,694$
Sec 3 = $8713/17013 = 51\% \times 315,400 = \$160,854$
Sec. 4 = $6377/17013 = 38\% \times 315,400 = \$119,852$

Saddle Creek Sec. 1 & 2

Bond Amount: \$235,677
Total Feet apart of OF Henley Drain: 1,070 feet
Total Feet for Saddle Creek Sec 1: 9,572
Total Feet for Saddle Creek Sec 2: 4,793
Total Drain Constructed: 15,435

OF Henley = $1070/15435 = 7\% \times 235,677 = \$16,497.39$
Sec 1 = $9572/15435 = 62\% \times 235,677 = \$146,119.74$
Sec. 2 = $4793/15435 = 31\% \times 235,677 = \$73,059.87$



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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

June 2, 2000

Re: Saddle Creek Drain: Sec. 4 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Saddle Creek 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. These will alter the plans submitted with my report for this drain dated March 22, 1999. The changes are as follows:

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

777	896.88	891.38				
778	899.65	891.79	27	154	152	2
778	899.65	891.95				
779	898.37	892.3	27	171	170	1
779	898.37	892.38				
780	897.75	892.57	24	16	17	-1
780	897.75	892.57				
781	897.78	892.83	21	28	26	2
781	897.78	892.94				
782	897.63	893.64	18	170	172	-2
777	896.88	891.33				
784	896.84	892.32	12	137	138	-1
767	893.74	888.21				
761		887.2	27	210	194	16
765	896.31	892.66				
758		887.38	12	330	318	12
767	893.74	888.72				
768	893.86	890.28	12	40	39	1
767	893.74	888.17				
769	893.94	888.67	12	40	38	2

6" SSD Streets:

Triple Crown Dr.	1035
Honey Tree Dr.	600
x2	

Total: 3270

6" SSD Lots:

124, 125, CA	395
119-115	708

Total: ~~1811~~ 1103'

RCP Pipe Totals:

12	547
18	170
21	28
24	16
27	535

5669'

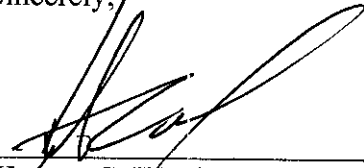
The length of the drain due to the changes described above is now ~~6377~~ feet.

The non-enforcement was approved by the Board at its meeting on April 26, 1999 and recorded under instrument #9909938392.

The bond or letter of credit from Frontier Insurance Company, number 127486; in the amount of \$315,400.00; was released September 13, 1999.

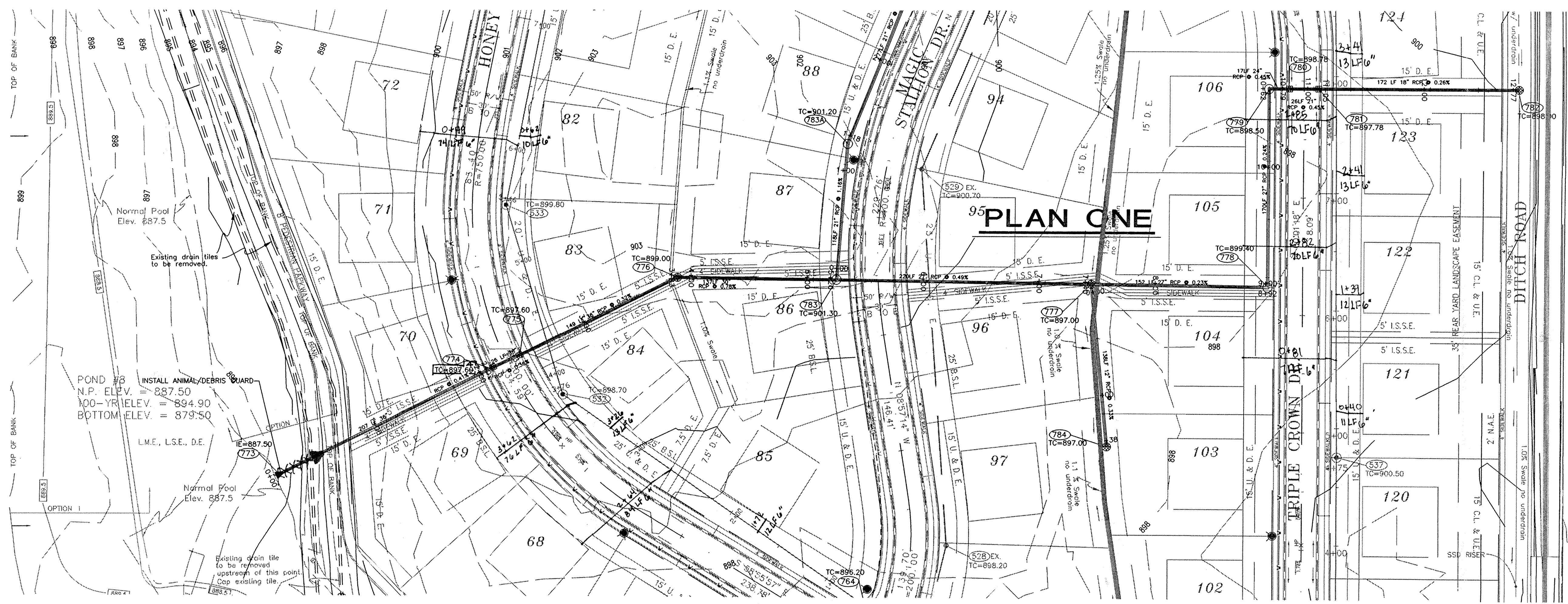
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

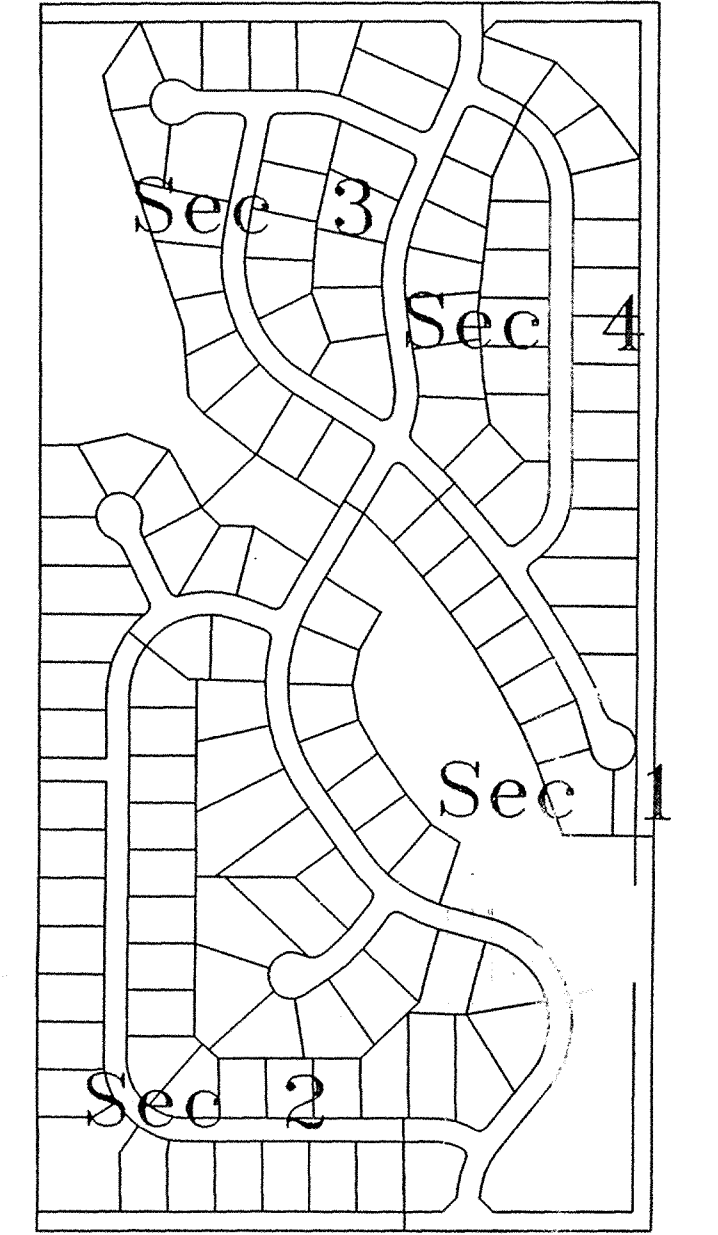


Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

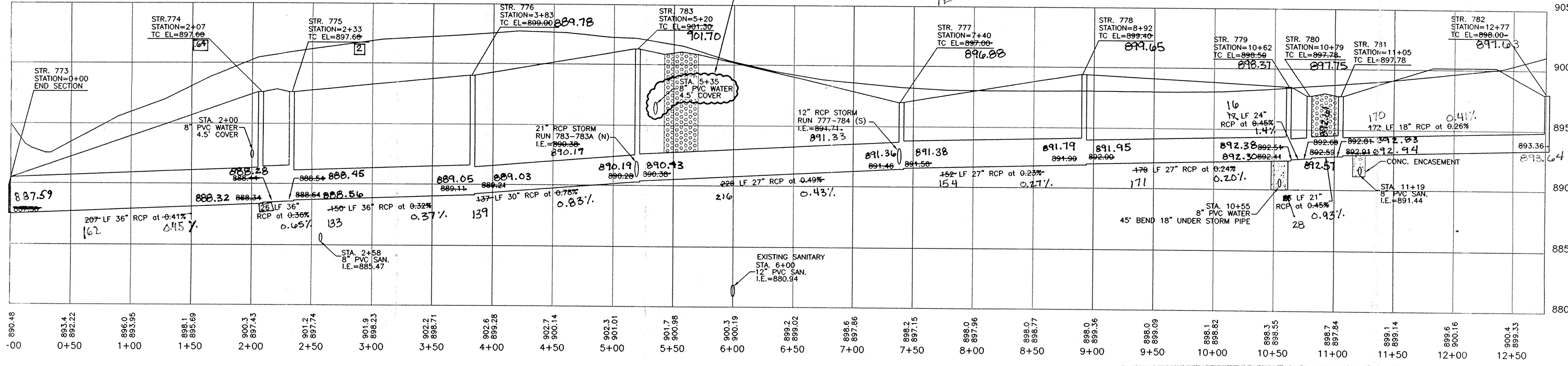


- NOTES:
1. CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
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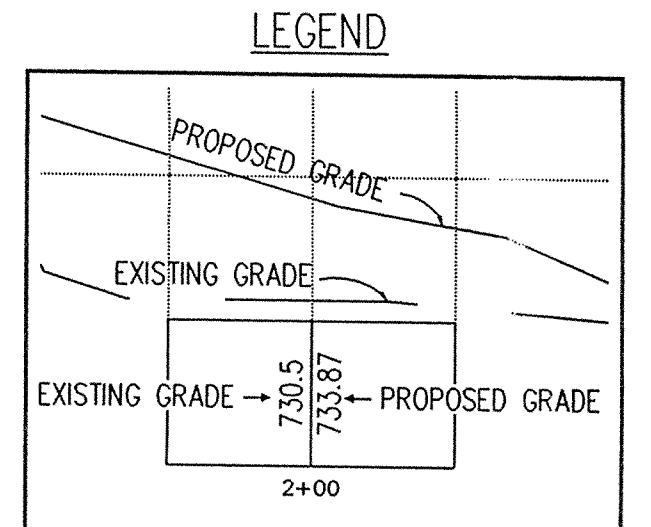


SITE MAP

CONTRACTOR TO VERIFY DEPTH OF EXISTING WATERLINE BEFORE CONSTRUCTION OF STORM SEWER



PROFILE ONE



FILED
 AUG 2 1999
 OFFICE OF HAMILTON COUNTY SURVEYOR

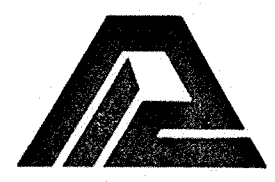


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 Entry Date: 9/18/00
 Entered by: SLM/JOH 6/21/04

BRUCE HAGEN
 REGISTERED PROFESSIONAL ENGINEER
 No. 920299
 STATE OF INDIANA
 1-800-382-6544
 404 TOLL FREE
 1-800-428-5200
 FOR CALLS OUTSIDE OF INDIANA

CERTIFIED BY: *Bruce Hagen*
 DATE: 8/31/98

REVISIONS	REVISIONS
6/4/98 REVISED STORM RUN EFG	8/13/98 REVISED PER SURVEYOR'S OFFICE MAW
6/23/98 H.C. SURV. OFFICE REVISIONS EFG	
8/7/98 H.C. SURV. OFFICE REVISIONS EFG	
8/31/98 REVISED PROFILE ONE EFG	



PAUL I. CRIFE, INC.
 7172 GRAHAM ROAD
 INDIANAPOLIS, INDIANA 46250
 (317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

QUALITY ASSURANCE:
 DATE:

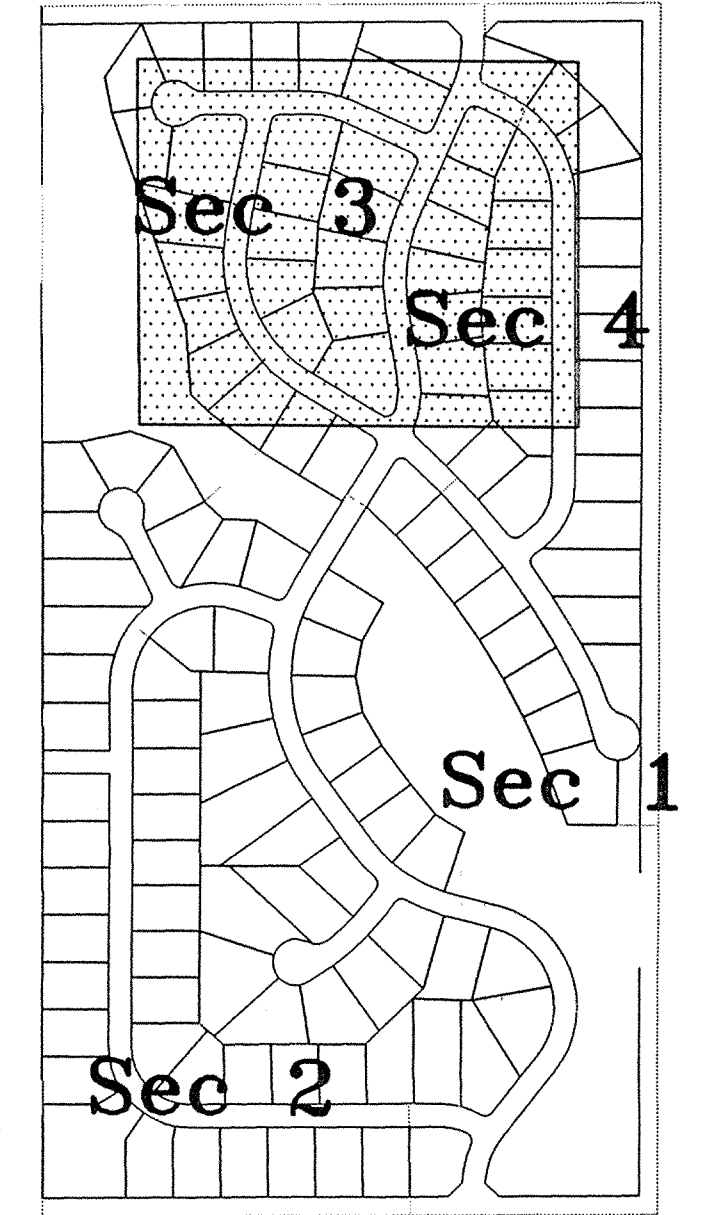
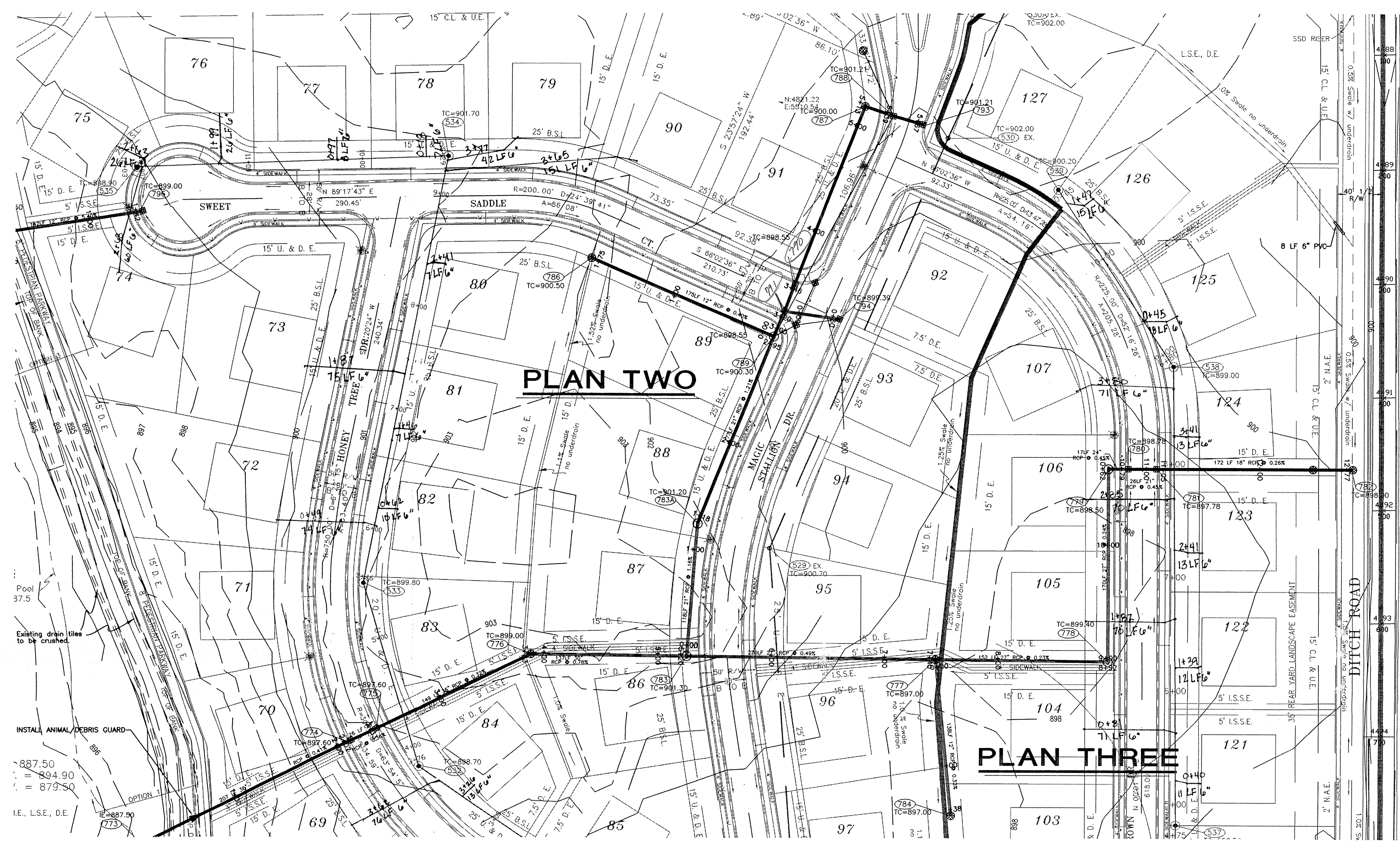
DATE: 5-22-98
 SCALE: HORIZ. 1"=50'
 VERT. 1"=5'

DRAWING TITLE:
STORM SEWER PLAN & PROFILE

DWG. TYPE	FILE NUMBER	SHEET:
		C701
JOB NUMBER		
960324-20000		

SADDLE CREEK SEC. 3 & 4

- NOTES:
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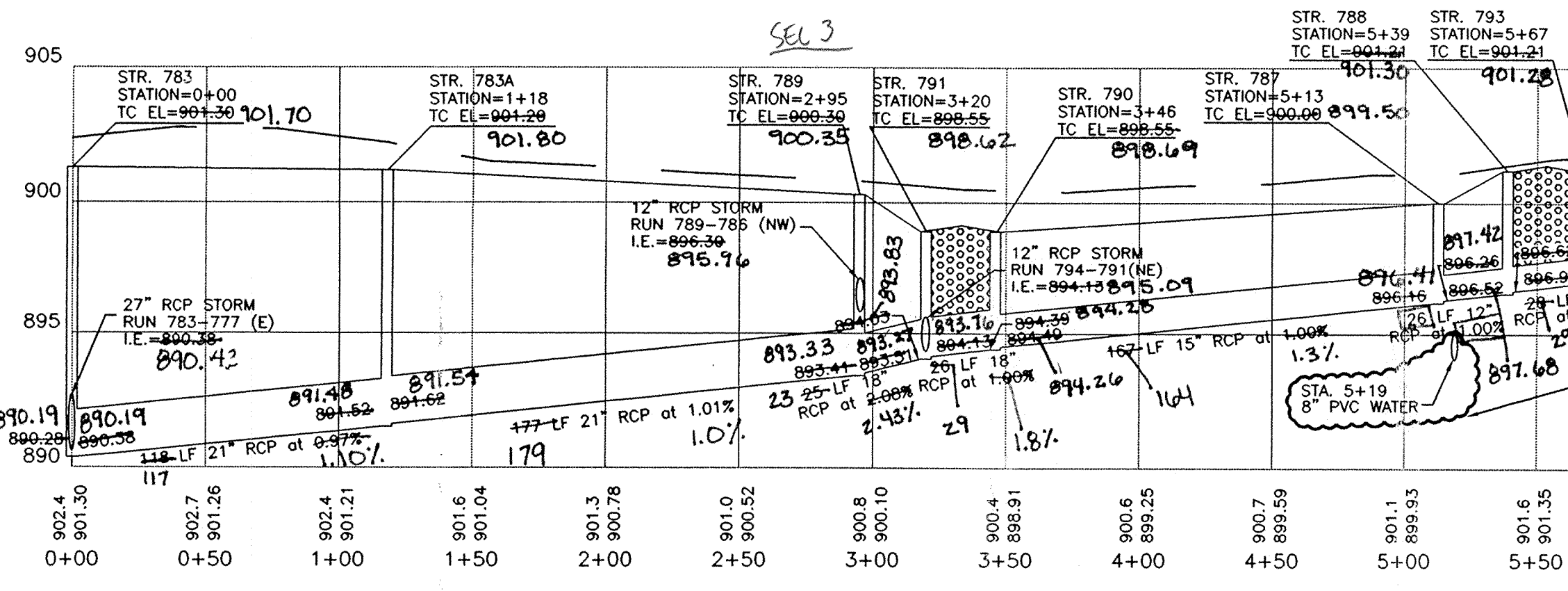


SITE MAP

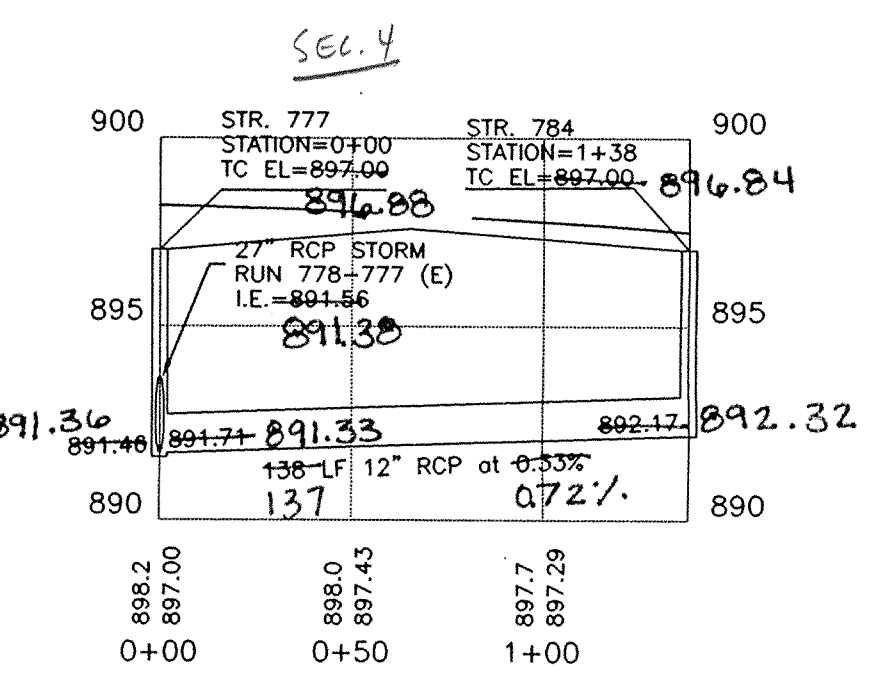
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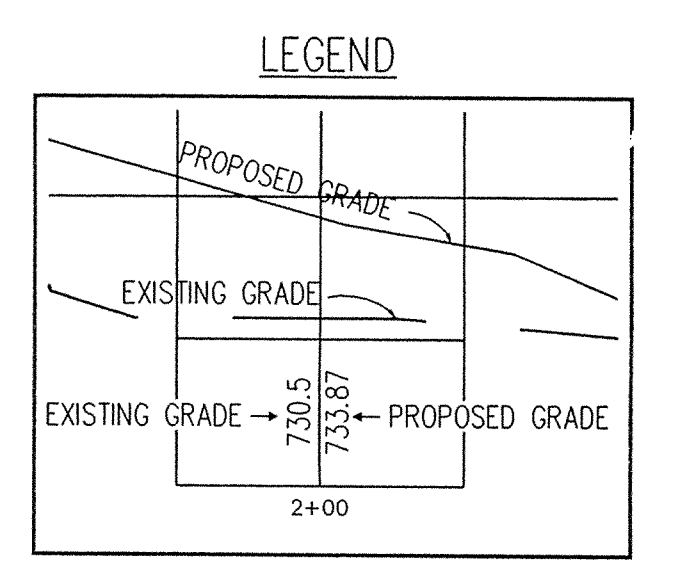
Entered by: GJM/JOH G-2004



PROFILE TWO



PROFILE THREE



FILED

AUG 2 1999

OFFICE OF HAMILTON COUNTY SURVEYOR

SADDLE CREEK SEC. 3 & 4

DON'T DIG BLIND

CAUTION: LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GRADING RECORDS (including but not limited to, electric, gas, water, and sewer lines) AND ARE NOT GUARANTEED. THERE MAY BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GRADING RECORD OR FOR WHICH AN ABOVE GRADING RECORD HAS BEEN OBTAINED. THE EXACT LOCATION OF SUCH UTILITIES, INCLUDING DEPTHS, SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION.

1-800-382-5644
1-800-428-8200
FOR CALLS OUTSIDE OF INDIANA

CERTIFIED BY:

REVISIONS	REVISIONS
8/7/98 HAM. CO. SURVEYOR REVISIONS EFG	
8/31/98 STORM & LAKE REVISIONS EFG	

DATE :

PAUL I. CRIFE, INC.

7172 GRAHAM ROAD
INDIANAPOLIS, INDIANA 46250
(317) 842-6777

- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

QUALITY ASSURANCE:

DATE: 5-22-98

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

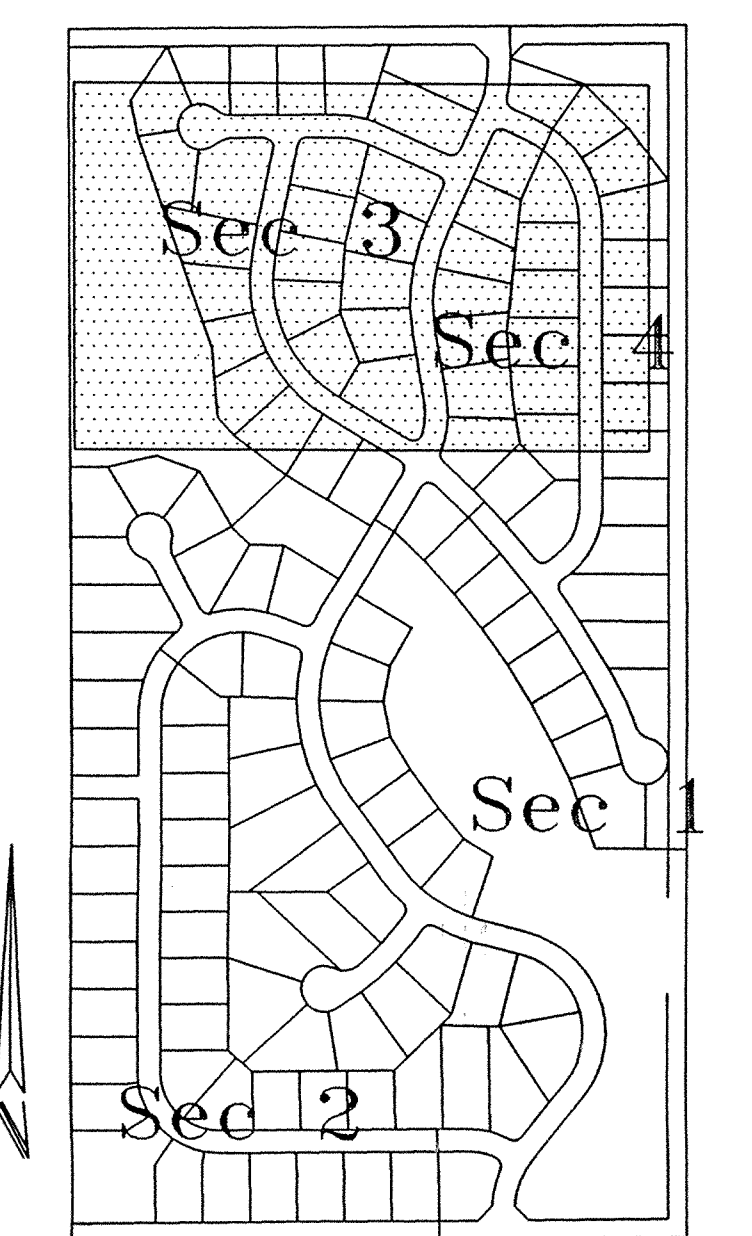
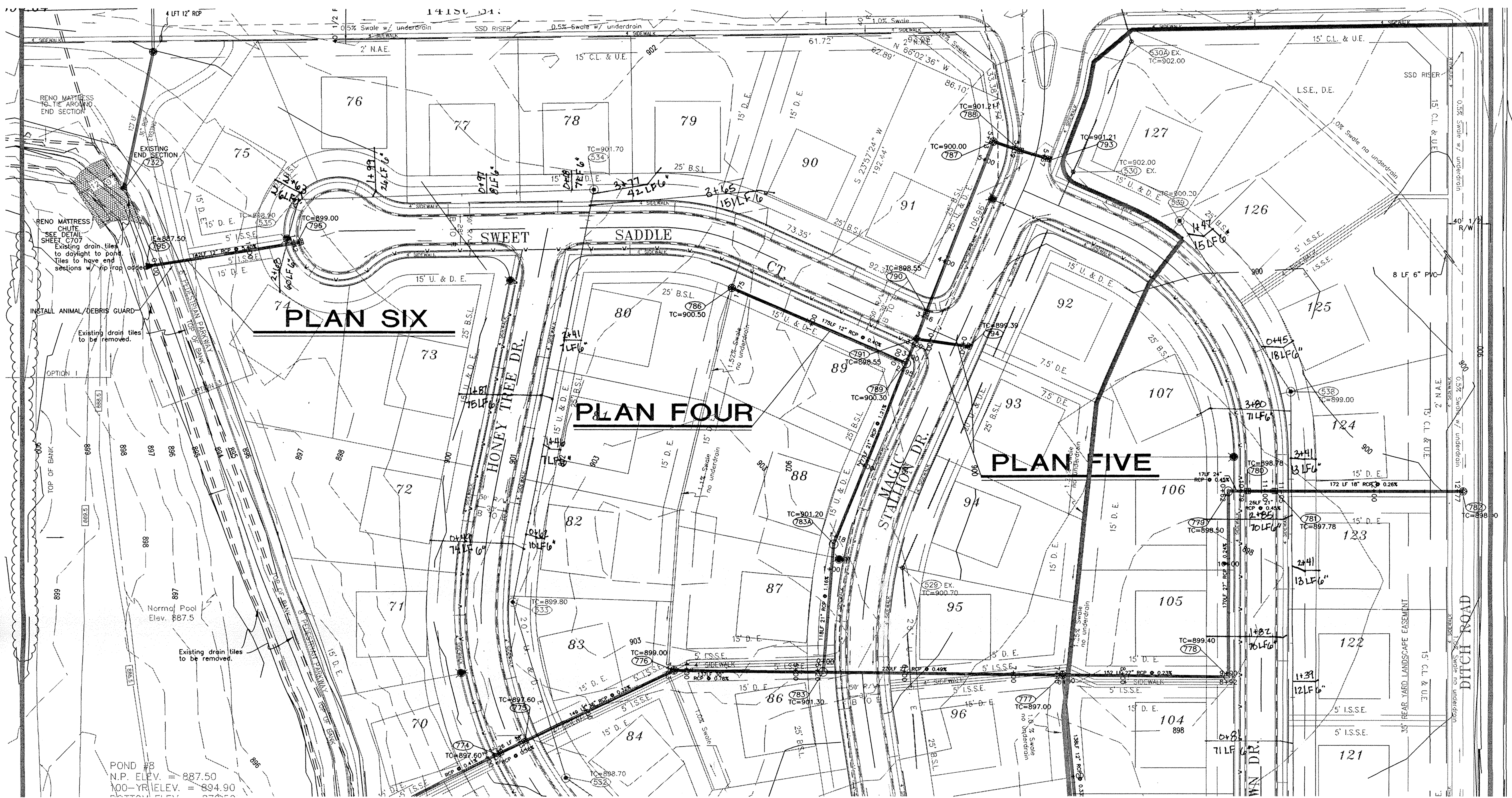
DRAWING TITLE:

**STORM SEWER
PLAN & PROFILE**

DWG. TYPE	FILE NUMBER	SHEET:
		C702

JOB NUMBER	960324-20000
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- NOTES:
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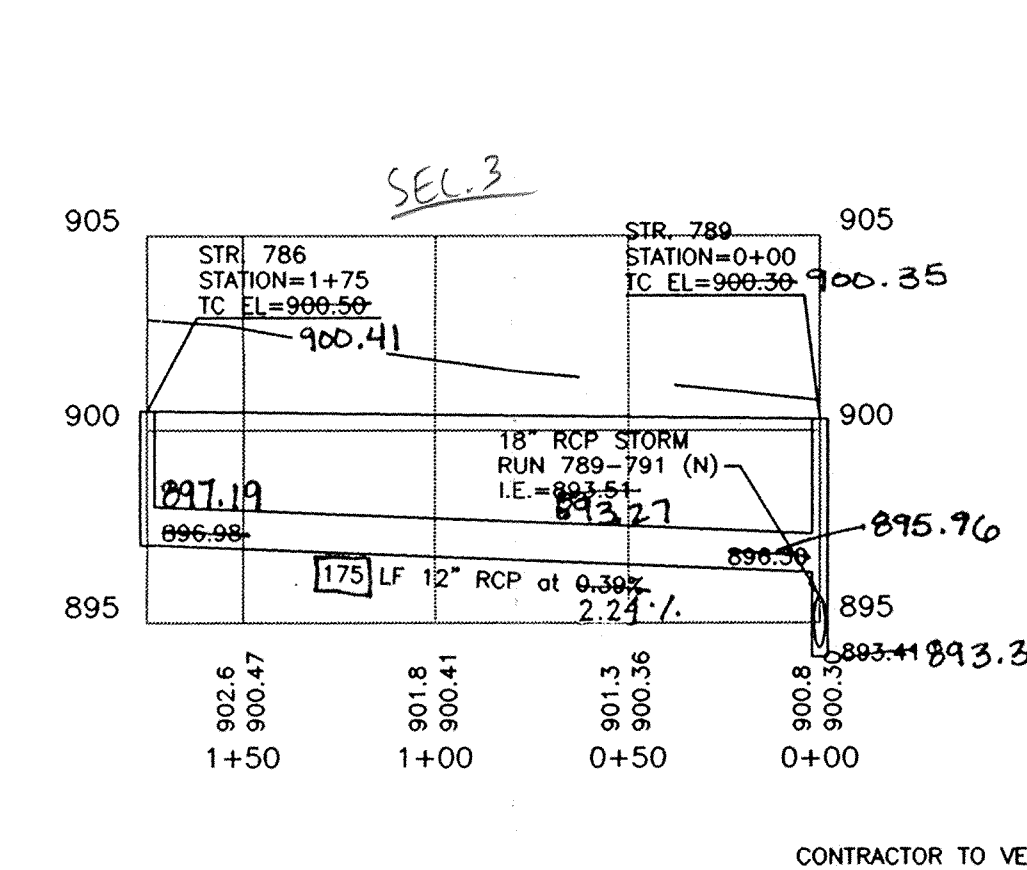


SITE MAP

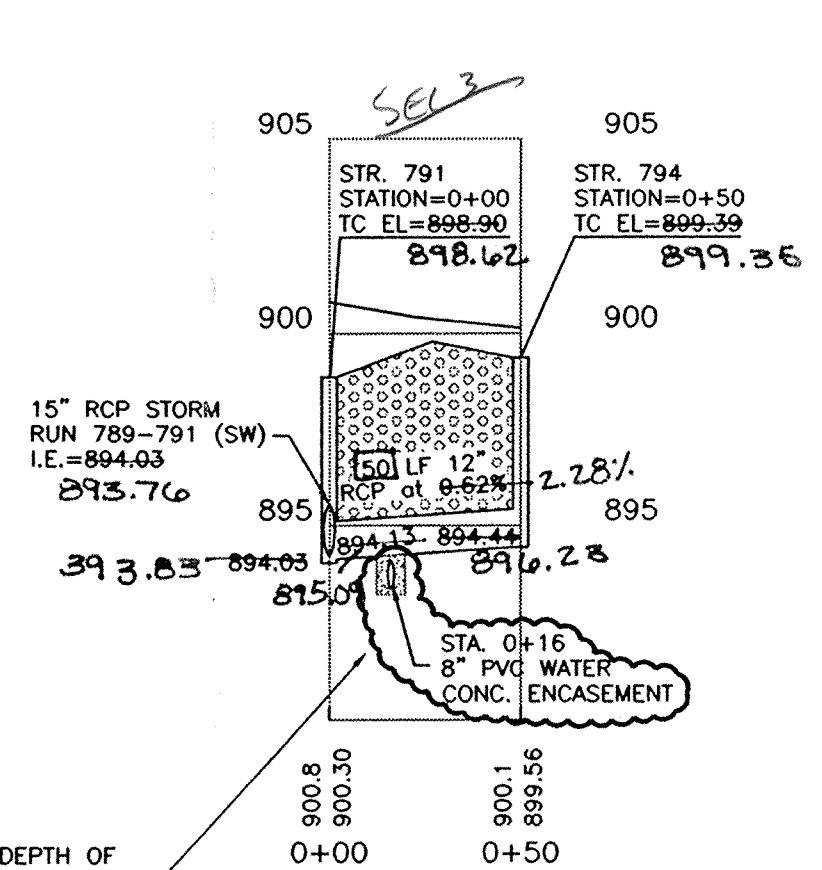
DON'T DIG BLIND

CAUTION: LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON RECORD DRAWINGS, FIELD SURVEY, AND OTHER AVAILABLE INFORMATION. THERE MAY ALSO BE OTHER EXISTING UNRECORDED UTILITIES OR OTHER UTILITIES WHICH ARE NOT SHOWN ON THIS PLAN. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY AND ALL CONSTRUCTION.

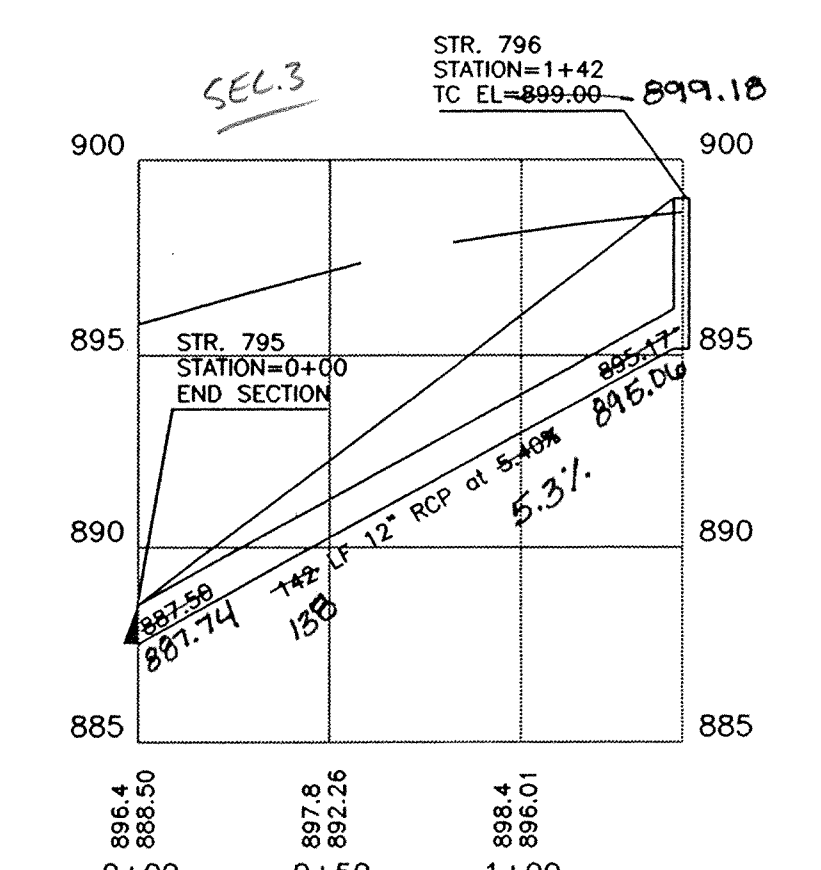
1-800-382-6544
CALL THE FILE
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PROFILE FOUR



PROFILE FIVE

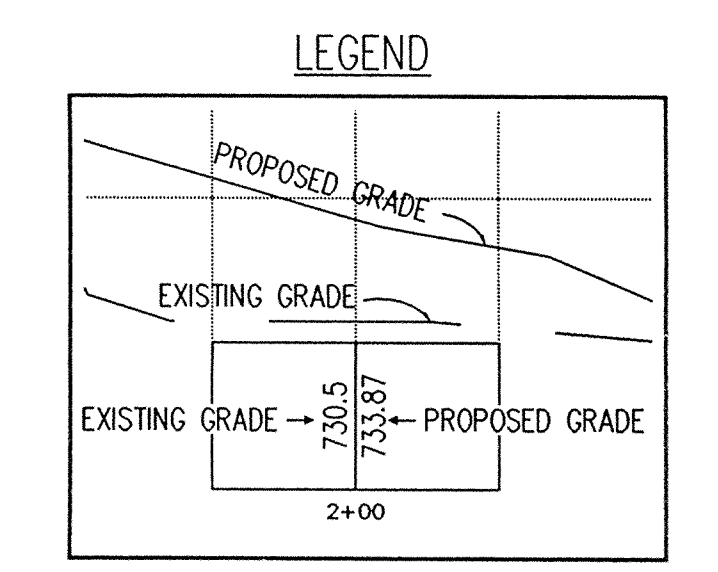


PROFILE SIX

HAMILTON COUNTY INDIANA

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Entry Date: 9/18/00
Entered by: S/m/JOH 6-21-04

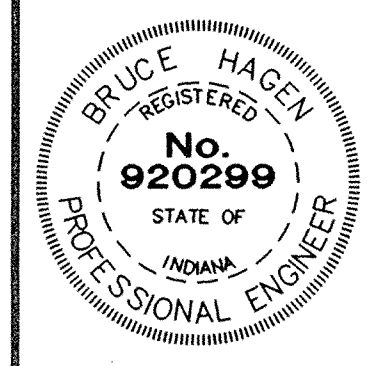


GRANULAR BACKFILL

FILED

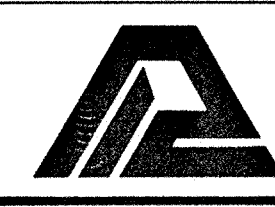
AUG 23 1999
OFFICE OF HAMILTON COUNTY SURVEYOR

SADDLE CREEK SEC. 3 & 4



CERTIFIED BY: *Bruce Hagen*
DATE: 9/31/98

REVISIONS	REVISIONS
6/4/98 REVISED PROFILE EIGHT EFG	
6/26/98 ADDED PROFILE THREE "A" EFG	
8/7/98 HAM. CO. SURVEYORS REVISIONS EFG	
8/31/98 REVISED PROFILES EFG	



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- CIVIL ENGINEERING
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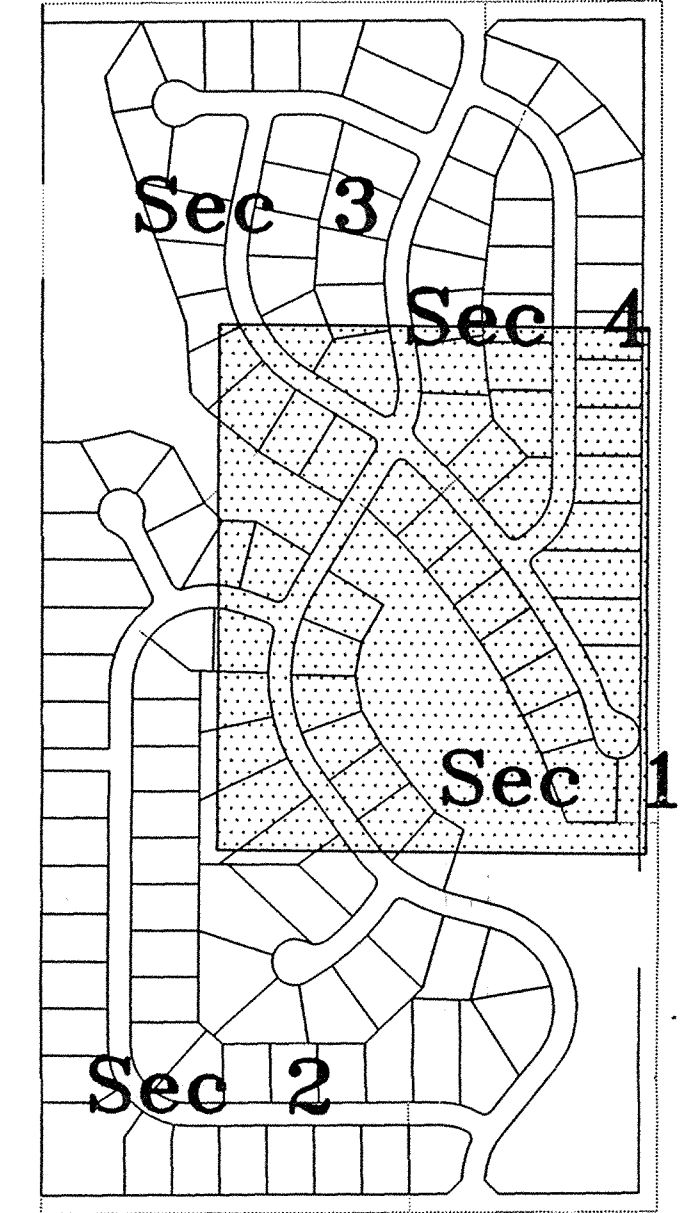
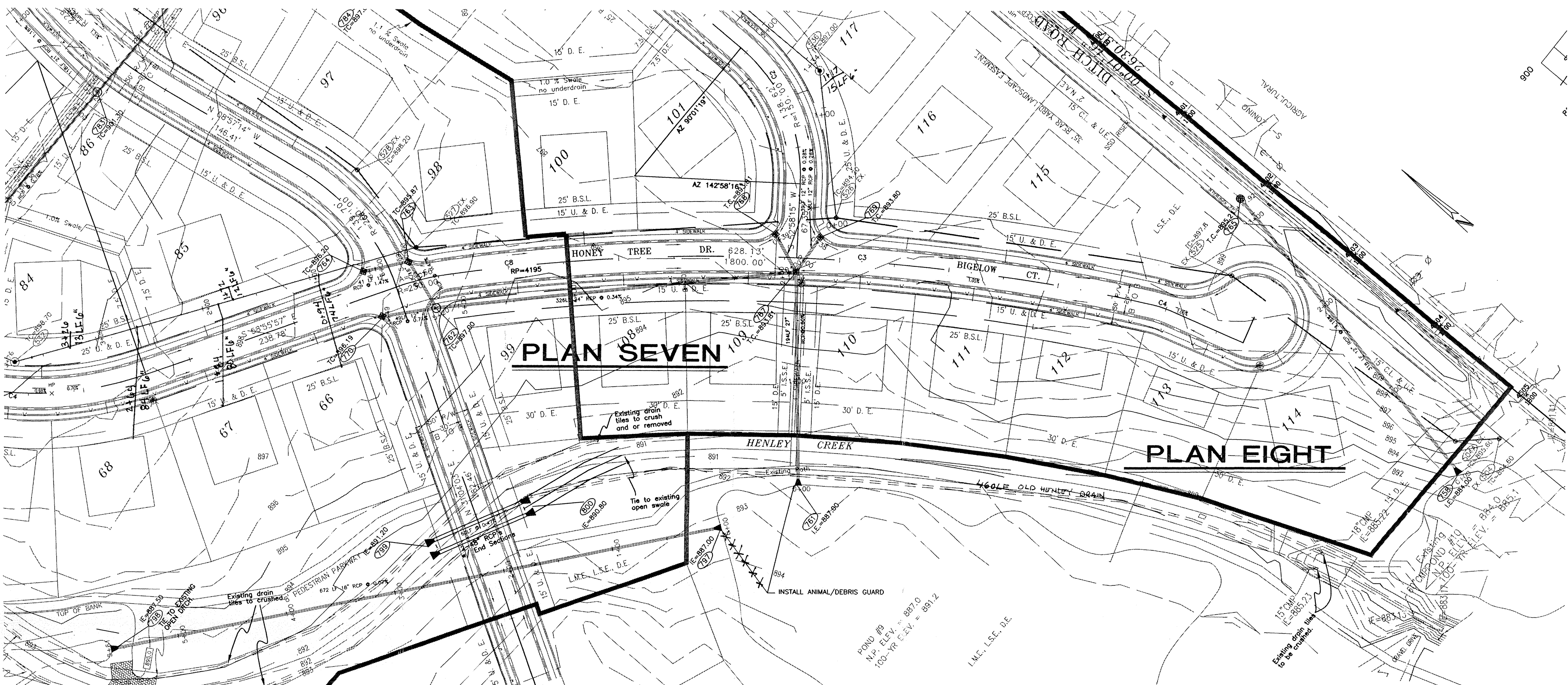
QUALITY ASSURANCE:
DATE:

DATE: 5-22-98
SCALE: HORZ. 1"=50'
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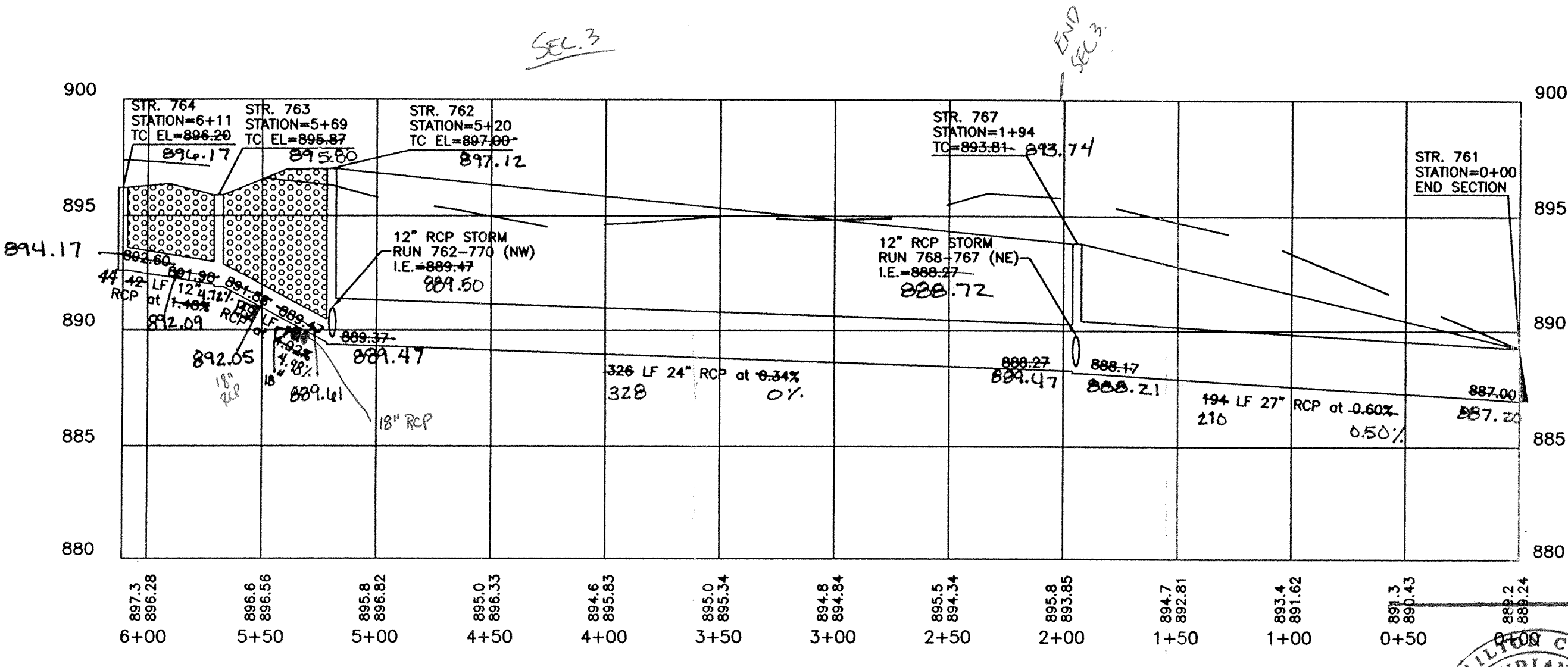
DRAWING TITLE:
STORM SEWER PLAN & PROFILE

DWG. TYPE	FILE NUMBER	SHEET:
		C703
JOB NUMBER		
960324-20000		

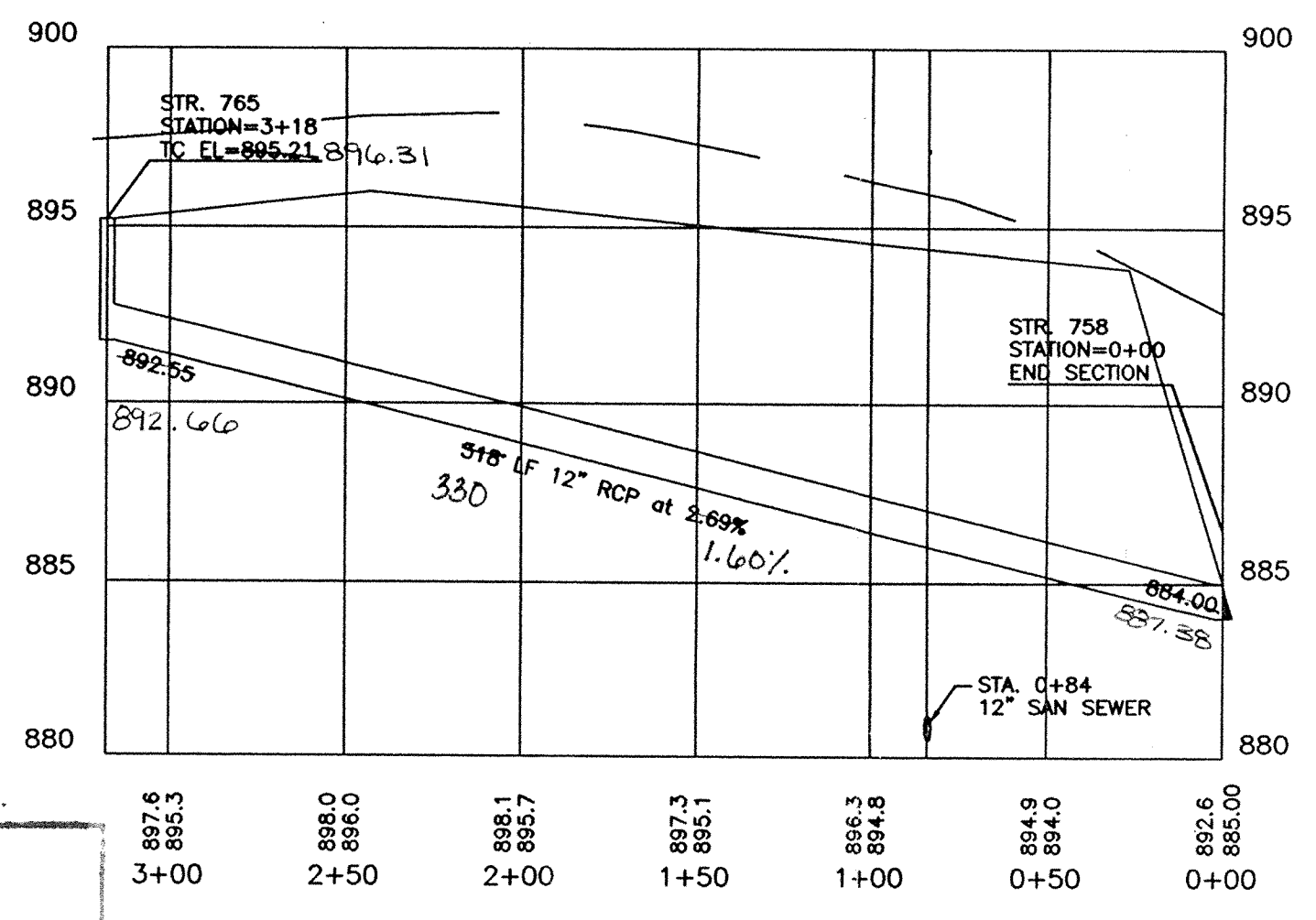
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SITE MAP

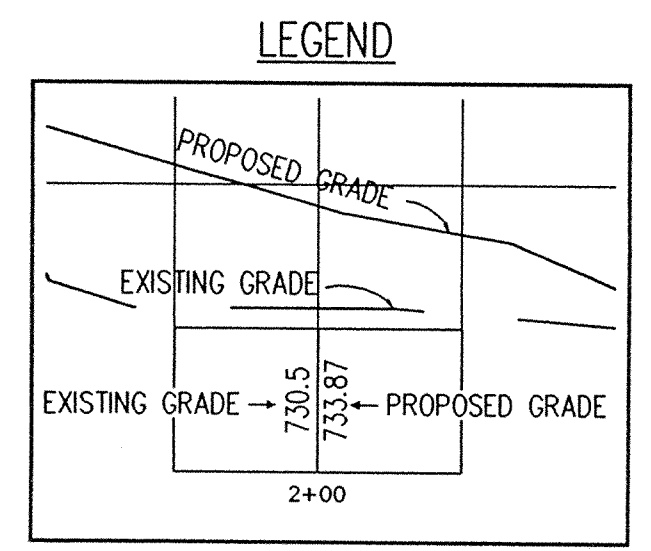


PROFILE SEVEN

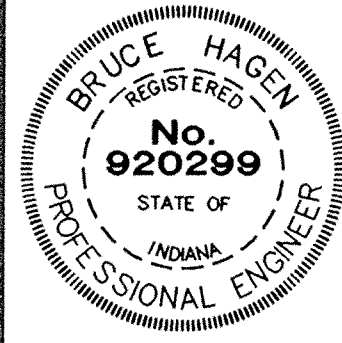


PROFILE EIGHT

DON'T DIG BLIND
 1-800-382-6544
 1-800-428-5200



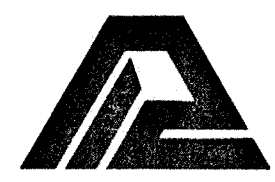
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 OFFICE OF HAMILTON COUNTY SURVEYOR



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 Entry Date: 9/18/00 1-9-04
 Entered by: S/M JPH 6/21/04

CERTIFIED BY: *Bruce Hagen*
 DATE: 10/2/98

REVISIONS	REVISIONS
8/4/98 REVISED PROFILE TEN "A"	EGF
8/7/98 HAM. CO. SURVEYOR'S REVISIONS	EGF
8/31/98 REVISED PROFILE SEVEN & EIGHT	EGF
10/08/98 DELETE STRUCTURE 759	



PAUL I. CRIFE, INC.
 7172 GRAHAM ROAD
 INDIANAPOLIS, INDIANA 46250
 (317) 842-6777

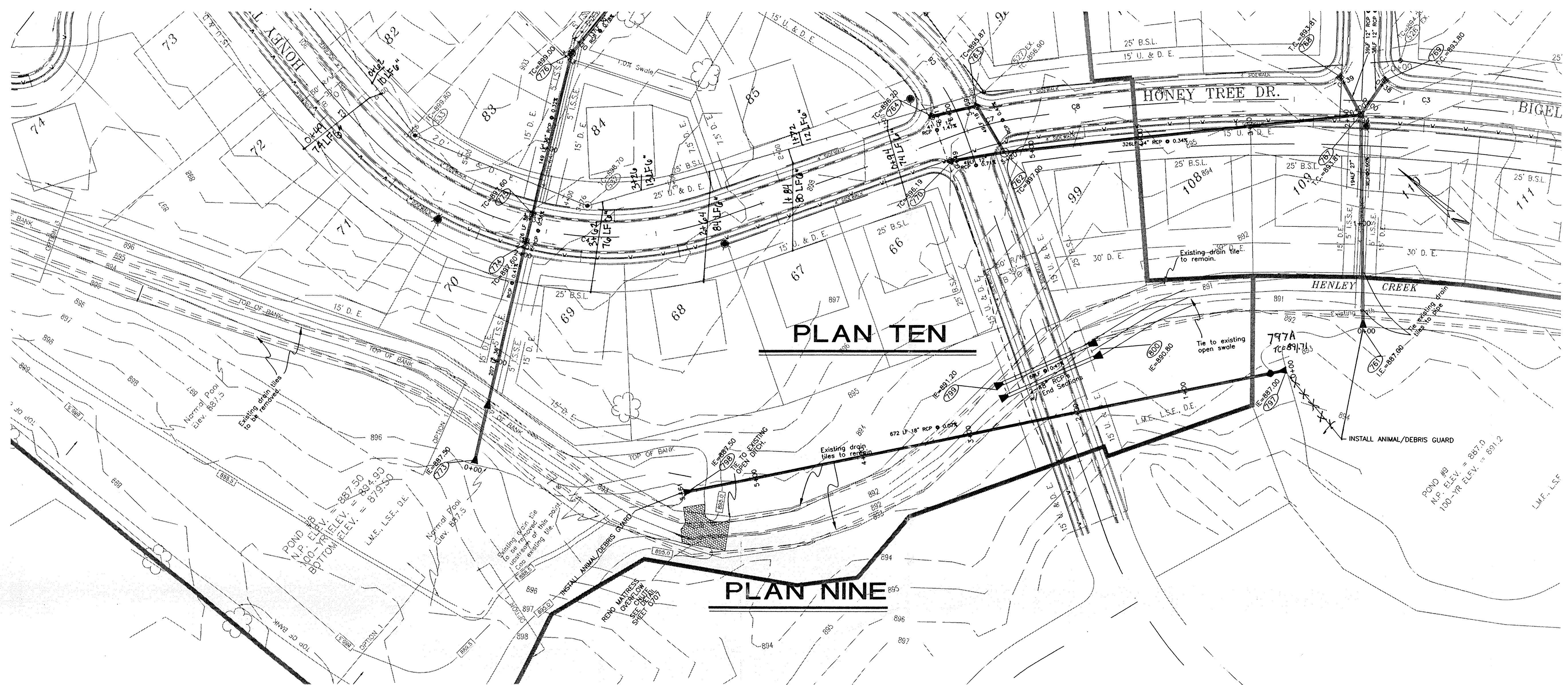
- CIVIL ENGINEERING
- LAND SURVEYING
- ARCHITECTURE
- LAND PLANNING

QUALITY ASSURANCE:
 DATE: 5-22-98
 SCALE: HORZ. 1"=50'
 VERT. 1"=5'

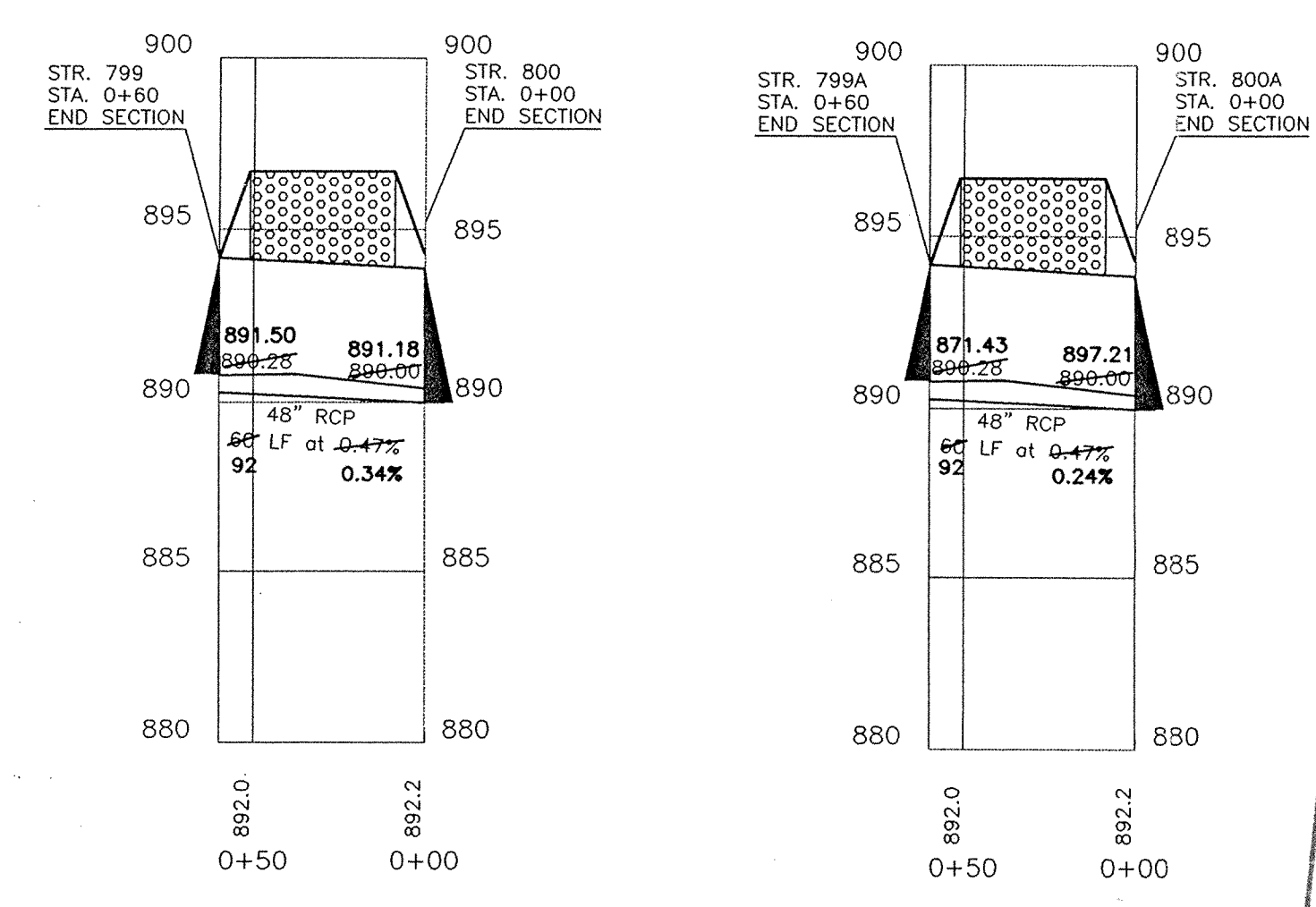
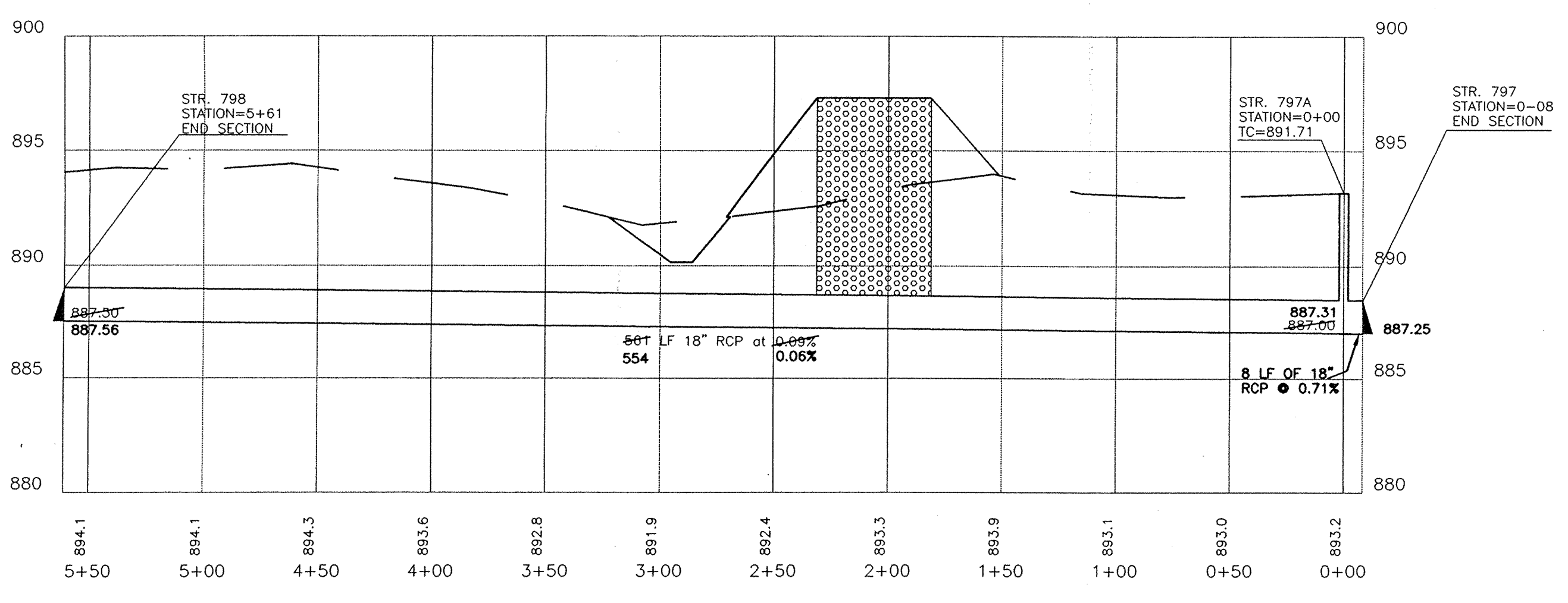
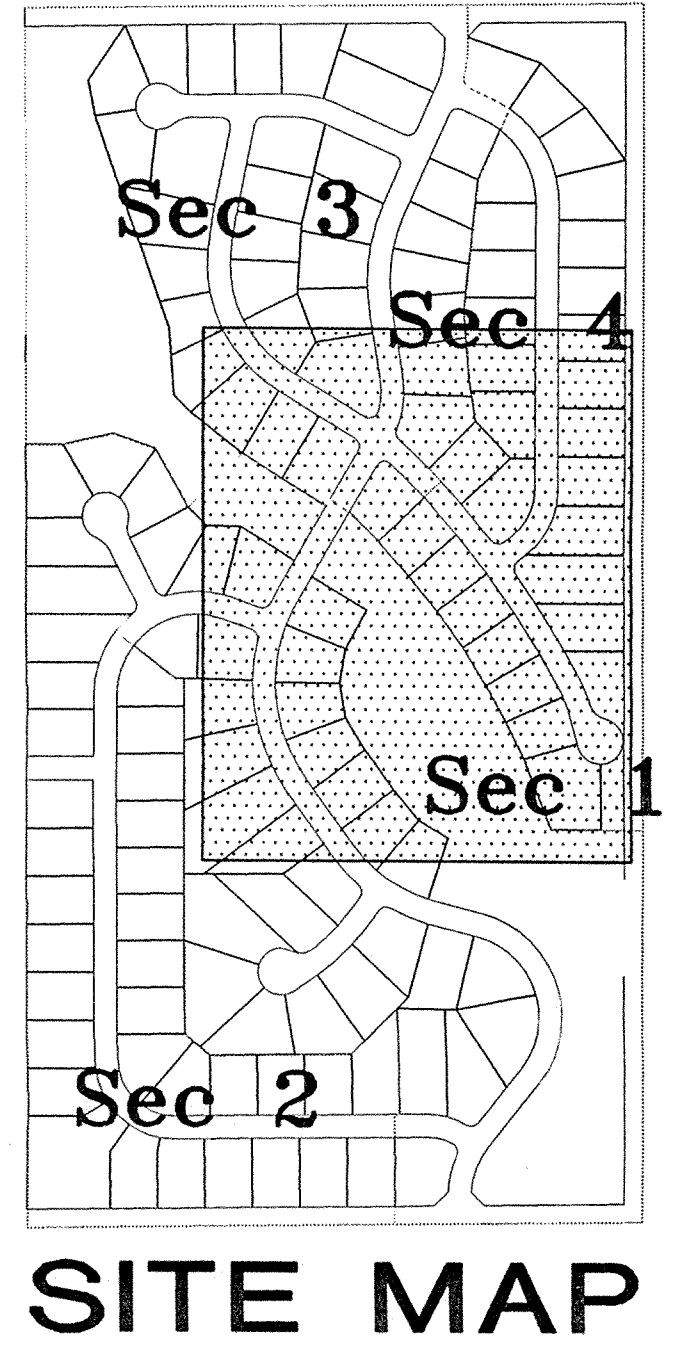
DATE: 5-22-98
 DRAWING TITLE: STORM SEWER PLAN & PROFILE

DWG. TYPE	FILE NUMBER	SHEET:
		C704
JOB NUMBER		
960324-20000		

SADDLE CREEK SEC. 3 & 4



- NOTES:
1. CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
 2. ALL SANITARY MANHOLE CASTINGS SHALL BE: NEENAH R-1712-B-SP OR EQUAL W/ CONCEALED PICK HOLES.
 3. EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY DEPICT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAT FOR EXACT INFORMATION.
 4. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AS-BUILT DRAWINGS TO THE ACCEPTING AGENCY TO CERTIFY THE ELEVATION AND SLOPE OF SANITARY SEWERS. SEWERS INSTALLED AT A GRADE LESS THAN REQUIRED BY THE AGENCY WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL PROVIDE FOR PERIODIC AS-BUILT CHECKS ON THE SEWER DURING CONSTRUCTION TO ASSURE THAT DESIGN GRADE IS BEING MAINTAINED.
 5. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART PP APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 6. IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.
 7. CONTRACTOR SHALL VERIFY LOCATION & INVERT ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO START OF CONSTRUCTION.
 8. PIPE LENGTHS INCLUDE END SECTIONS.
 9. FOR CURB CASTINGS, THE TC ELEVATION IS AT THE TOP OF CURB.



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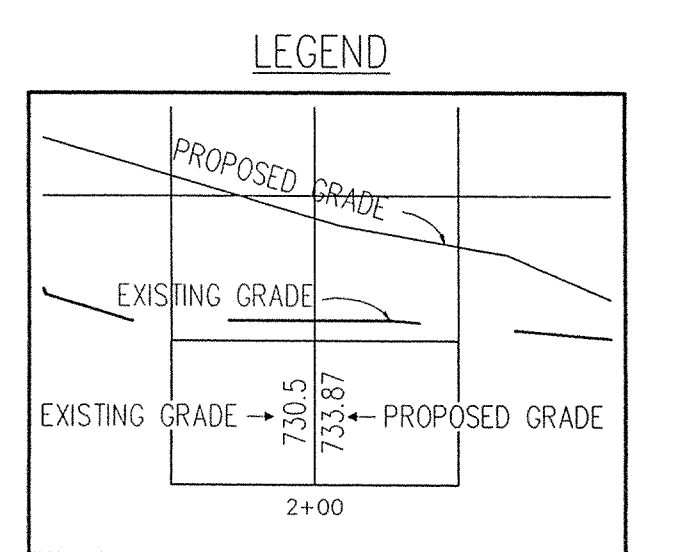
Entry Date: 7/18/00
Entered by: S/m/ldh
6/24/00

STATE OF INDIANA
BRUCE HAYEN
REGISTERED PROFESSIONAL ENGINEER
No. 920299

DON'T DIG BLIND

CAUTION: LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE-GROUND EVIDENCE (drawing, but not limited to, manholes, vaults, etc.) AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. CALL BEFORE YOU DIG.

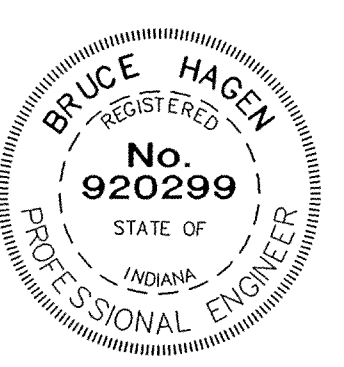
1-800-382-5644
1-800-428-5200
FOR LOCAL OFFICE OF SERVICE



FILED

AUG 23 1999

OFFICE OF HAMILTON COUNTY SURVEYOR



CERTIFIED BY:	REVISIONS	
	DATE	DESCRIPTION
Bruce Hayden	6/4/98	REVISED PROFILE TEN
	8/7/98	HAM. CO. SURVEYOR'S REVISIONS
	8/31/98	REVISED PROFILE ELEVATION
	8/13/99	REVISED PER SURVEYOR'S OFFICE

PAUL I. CRIPE, INC.

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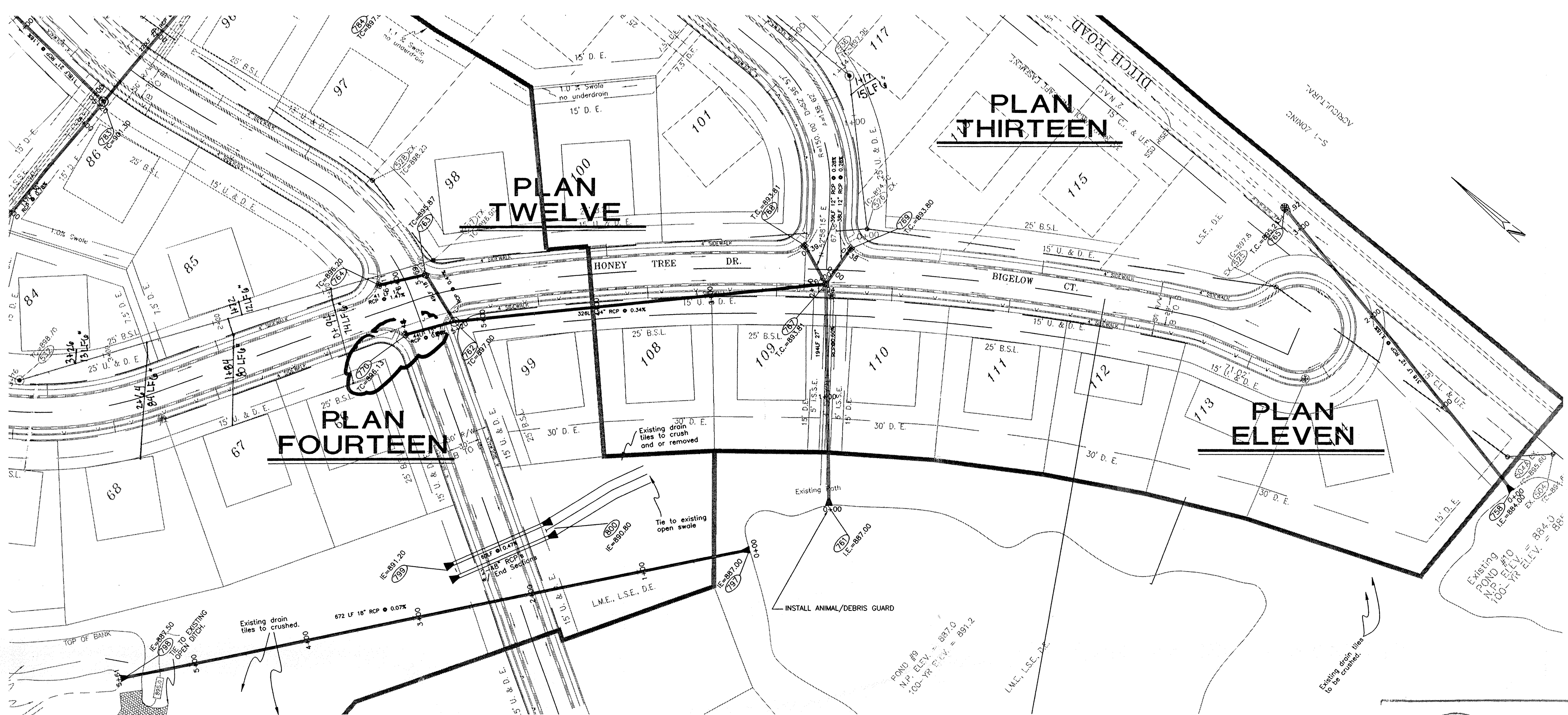
- CIVIL ENGINEERING
- LAND SURVEYING
- LAND PLANNING

QUALITY ASSURANCE:
DATE: 5-22-98

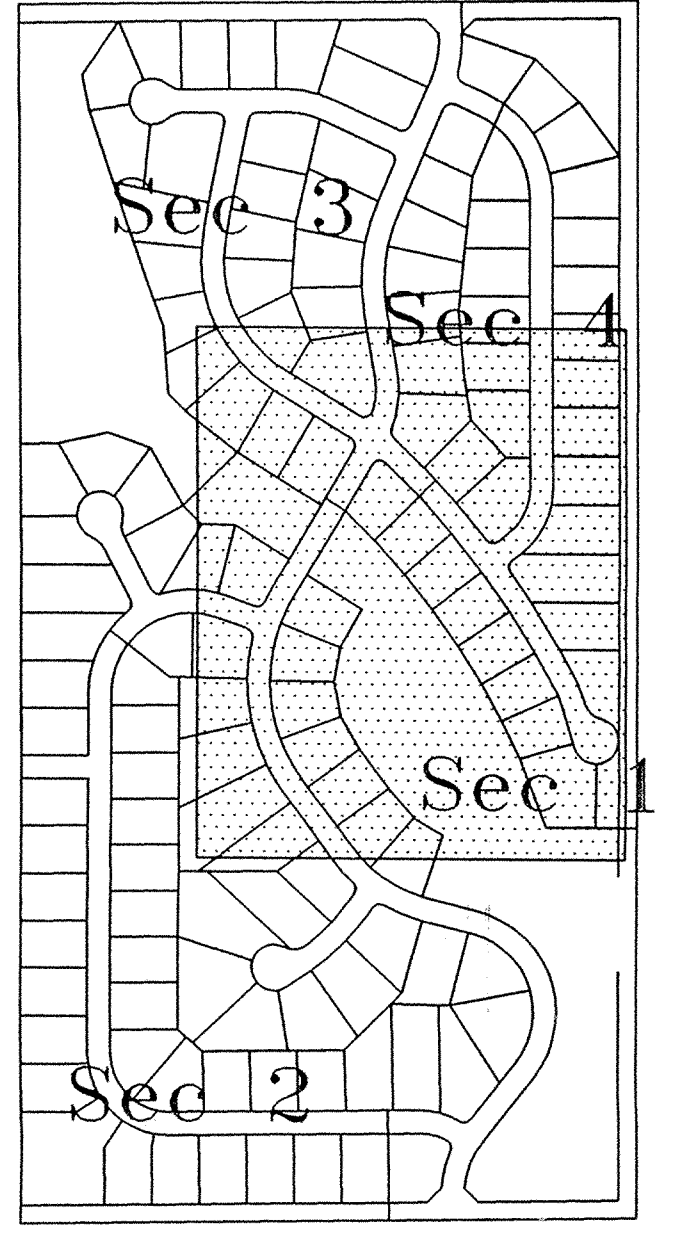
DRAWING TITLE:
STORM SEWER PLAN & PROFILE

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

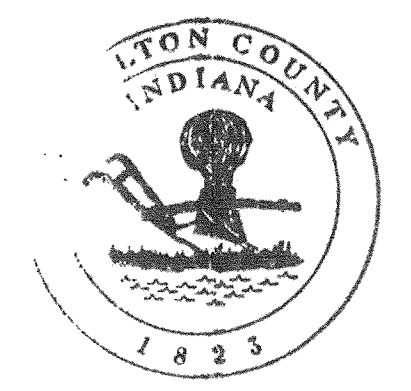
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SCALE:	HORZ. 1"=50' VERT. 1"=5'	JOB NUMBER:		C705
DRAWING TITLE:		SADDLE CREEK SEC. 3 & 4		
STORM SEWER PLAN & PROFILE		960324-20000		



- NOTES:
1. CUTS SHOWN ARE APPROXIMATE, TAKEN FROM EXISTING GRADE TO INVERT OF PIPE.
 2. ALL SANITARY MANHOLE CASTINGS SHALL BE: NEENAH R-1712-B-SP OR EQUAL W/ CONCEALED PICK HOLES.
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 4. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AS-BUILT DRAWINGS TO THE ACCEPTING AGENCY TO CERTIFY THE ELEVATION AND SLOPE OF SANITARY SEWERS. SEWERS INSTALLED AT A GRADE LESS THAN REQUIRED BY THE AGENCY WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL PROVIDE FOR PERIODIC AS-BUILT CHECKS ON THE SEWER DURING CONSTRUCTION TO ASSURE THAT DESIGN GRADE IS BEING MAINTAINED.
 5. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29 CFR PART 1926, SUBPART "F" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 6. IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE ABOVE STATED REQUIREMENTS.
 7. CONTRACTOR SHALL VERIFY LOCATION & INVERT ELEVATIONS OF EXISTING SANITARY SEWERS PRIOR TO START OF CONSTRUCTION.
 8. PIPE LENGTHS INCLUDE END SECTIONS.
 9. FOR CURB CASTINGS, THE TC ELEVATION IS AT THE TOP OF CURB.



SITE MAP



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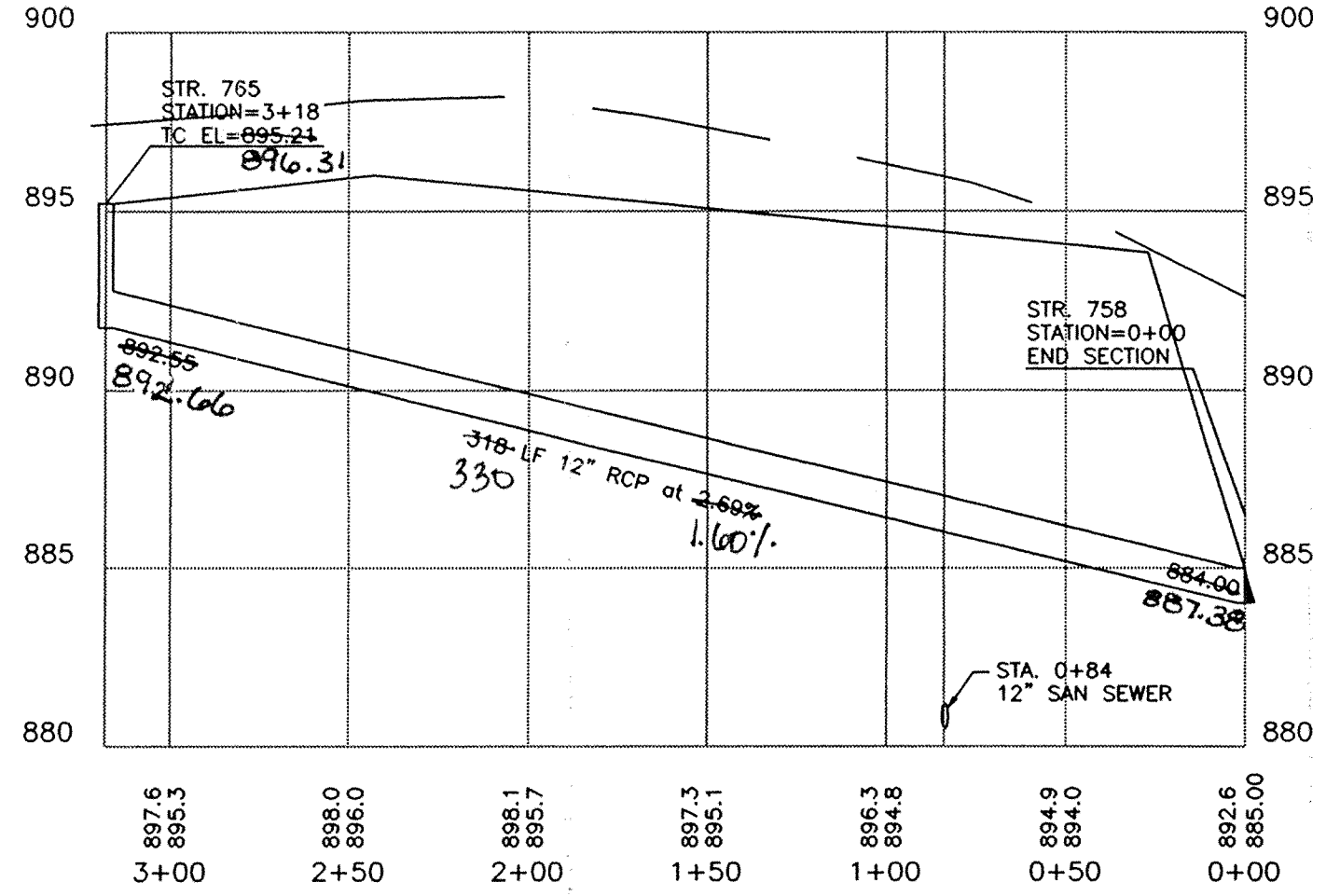
Entry Date: 1/18/00

Entered by: SIM/JOM 6/2/04

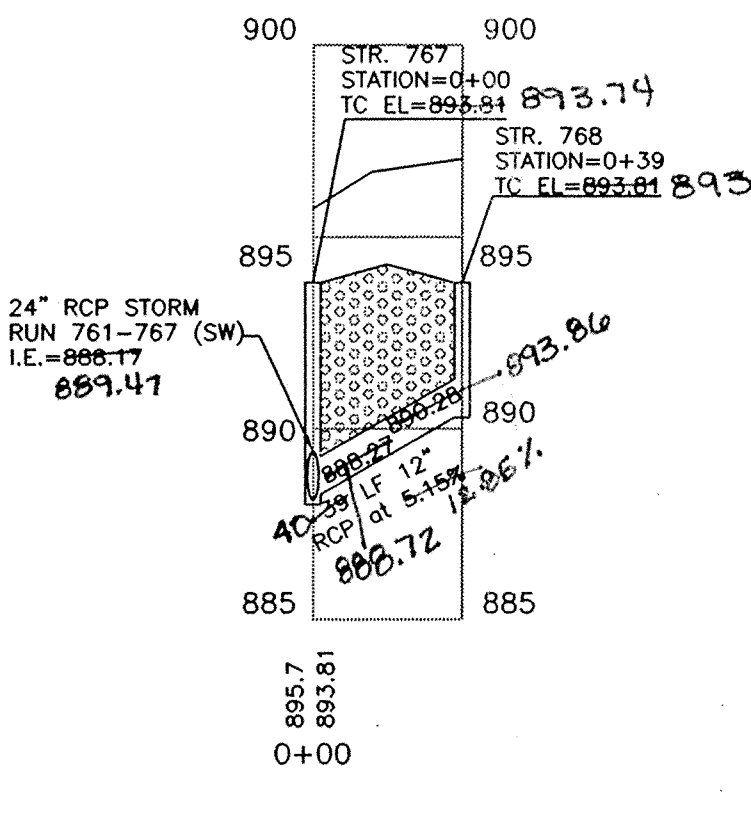
DON'T DIG BLIND

CAUTION: LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON RECORD EVIDENCE (including but not limited to, manholes, vaults, valves, and meter boxes) AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. FAILURE TO DO SO MAY RESULT IN DAMAGE TO EXISTING UTILITIES AND PERSONAL INJURY OR DEATH. CALL 911 FOR ALL LOCATIONS OF UNDERGROUND UTILITIES. CALL 311 FOR ALL LOCATIONS OF SANITARY UNDERGROUND UTILITIES. SHOWN BY THE CONTRACTOR PRIOR TO ANY EXCAVATION.

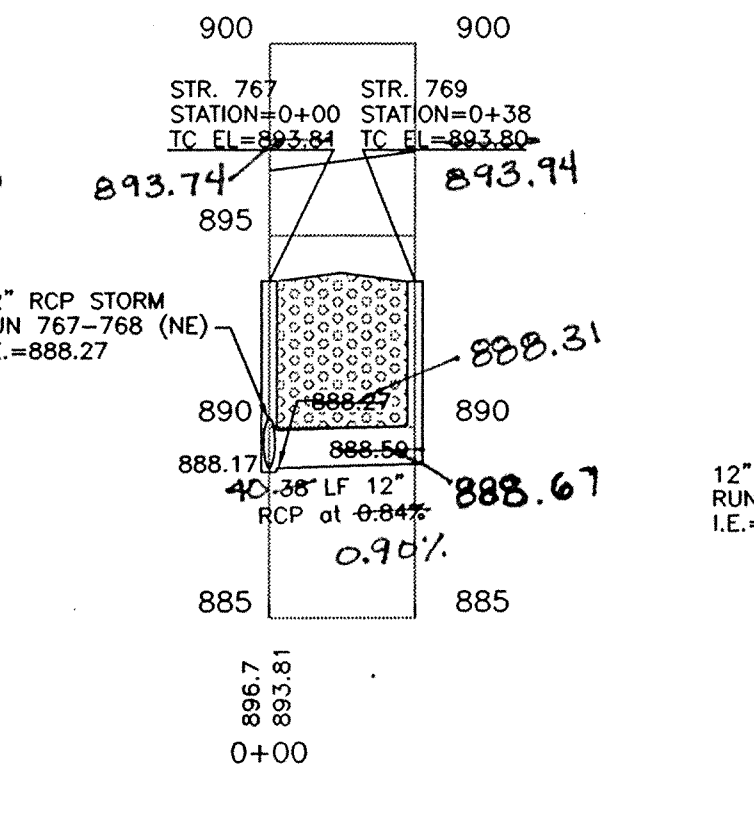
1-800-382-5644
1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA



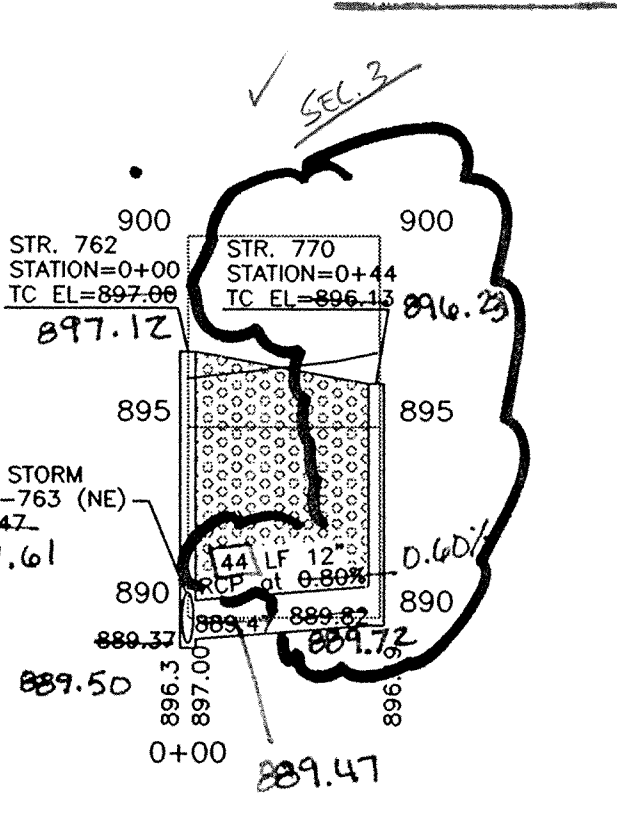
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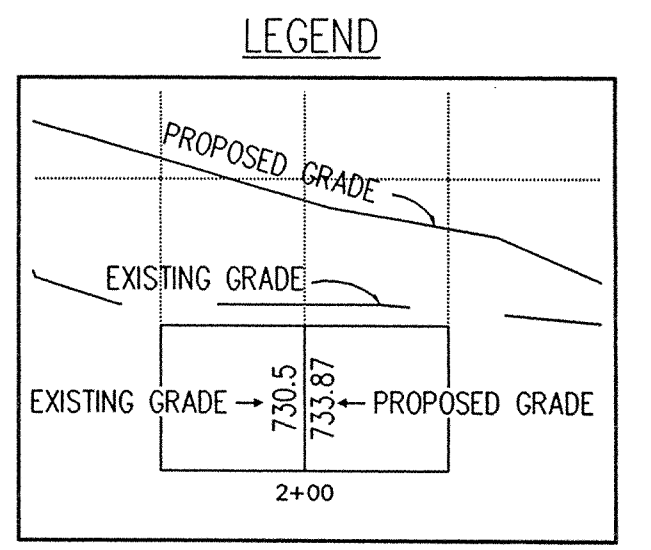
PROFILE TWELVE



PROFILE THIRTEEN



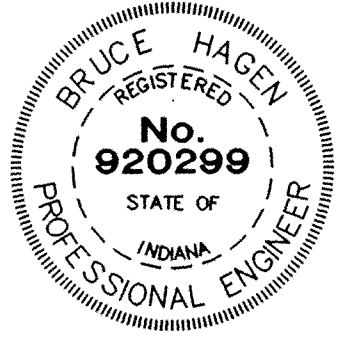
PROFILE FOURTEEN



FILED

AUG 23 1999
OFFICE OF HAMILTON COUNTY SURVEYOR

SADDLE CREEK SEC. 3 & 4



CERTIFIED BY: *Bruce Hagen*

DATE: 10/22/98

REVISIONS	REVISIONS
6/4/98 REVISED PROFILE ELEVEN EFG	
8/10/98 HAM. CO. SURVEYORS REVISIONS EFG	
8/31/98 REVISED STORM RUNS 11-13 EFG	
10/21/98 REVISED STORM INLET 770 EFG	



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QUALITY ASSURANCE:
DATE:

DATE: 5-22-98
SCALE: HORZ. 1"=50'
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DRAWING TITLE:
STORM SEWER PLAN & PROFILE

DWG. TYPE	FILE NUMBER	SHEET:
		C706
JOB NUMBER		
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