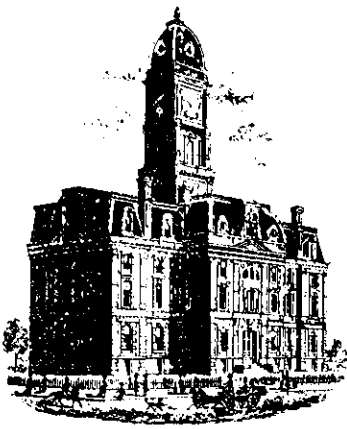


**Drain:** ELLIOT CREEK DRAIN 311  
**Improvement:** THE ESTATES AT CLAY WEST  
**Operator:** DIM SNOUFFER, JARED KINGSTON  
**Date:** 9-11-3  
 Classification URBAN  
 Year Constr. 2001

**GIS Drain Input Checklist**

- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains 9-15-3
- Digitize & Attribute SSD 9-15-3
- Digitize & Attribute Open Ditch 9-23-03 JWL
- Sum drain lengths & Validate 9-15-3
- Enter Improvements into Posse 9-15-3
- Enter Drain Age into Posse 9-15-3
- Sum drain length for Watershed in Posse N/A
- Stamp Plans 9-15-3
- Pull Source Documents for Scanning 9-23-03 JWL



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

January 24, 2001

Re: Elliot Creek Drain, The Estates of Clay West Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Estates of Clay West Arm, Elliot 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	5,370 ft	18"	RCP	554 ft
12"	RCP	1,365 ft	30"	RCP	153 ft
15"	RCP	1,577 ft	Open Ditch		350 ft

The total length of the drain will be 9,369 feet.

The retention pond (lake) located in Blocks "E" and "G" are 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 and those main lines between lots or in rear yards. 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.

The portion of open drain is that from the North right of way line of 131st Street (end of 60" pipe) to the west line of the Miller property (parcel no. 17-09-28-00-00-025.000). The 60" pipe under 131st Street will not become part of the regulated drain system.

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 \$15.00 per lot, \$3.00 per acre for roadways, with a \$15.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$564.98.

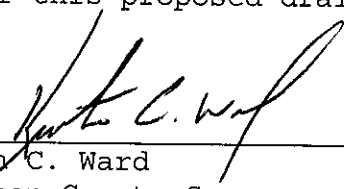
Parcels assessed for this drain may be assessed for the Osborn-Collins or Williams Creek Drain at sometime in the future.

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 widths as shown on the secondary plat for The Estates of Clay West as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for February 26, 2001.

KCW/kkw

  
\_\_\_\_\_  
Kenton C. Ward  
Hamilton County Surveyor

### CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: The Estates at West Clay

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 project.
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced project.
4. The drainage facilities within the above referenced project to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications, *except the pipe between structures 716 and 717.*

Signature: *Gary E. Murray* Date: *10/03/02*

Type or Print Name: Gary Murray, P.E.

Business Name: Paul J. Cripe, Inc.

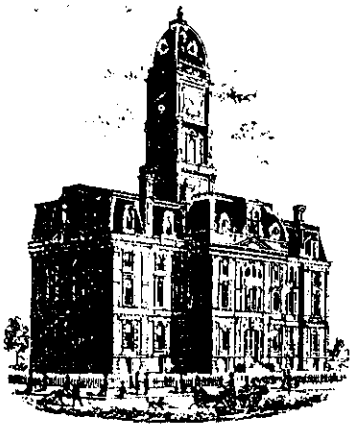
Business Address: 7172 Graham Rd.

Indianapolis IN 46250

Telephone Number: 317-842-6777

INDIANA REGISTRATION NUMBER

*93000348*



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*

October 9, 2002

Pittman Partners  
P. O. Box 554  
Carmel, IN 46032

Re: The Estates of Clay West

This letter is returning the enclosed sureties that were released by the Hamilton County Board of Commissioners during their meeting on September 23, 2002.

HCDB-B00-042 – Developers Surety and Indemnity Company, Performance Bond No. 886067S for The Estates of Clay West – Storm Sewers and Subsurface Drain - \$122,000.00.

HCDB-B01-003A – Developers Surety and Indemnity Company, Performance Bond No. 886068S for The Estates of Clay West – Erosion Control - \$20,000.00

Accompanying this letter you will find the released sureties.

Sincerely,

Jerry L. Liston  
Hamilton County Surveyor's Office.

JLL/llm

# SUBDIVISION IMPROVEMENTS PERFORMANCE BOND

BOND NO: 886068S

KNOW ALL MEN BY THESE PRESENTS:

THAT we, PITTMAN PARTNERS, INC. as Principal, and DEVELOPERS SURETY AND INDEMNITY COMPANY, a corporation organized and doing business and under and by virtue of the laws of the State of Iowa and duly licensed to conduct surety business in the State of Indiana, as Surety, are held and firmly bound unto

BOARD OF COMMISSIONERS, HAMILTON COUNTY, ONE HAMILTON SQUARE,  
NOBLESVILLE, IN 46060

as Oblige, in the sum of Twenty Thousand and no/100 Dollars, (\$ 20,000.00 ) for which payment, well and truly to be made, we bind ourselves, our heirs, executors and successors, jointly and severally firmly by these presents.

THE CONDITION OF THE OBLIGATION IS SUCH THAT:

WHEREAS, the above named Principal, has agreed to construct in The Estates of Clay West Subdivision, City of Carmel, Indiana the following improvements: Erosion Control

NOW, THEREFORE, the condition of this obligation is such, that if the above Principal shall well and truly perform said agreement or agreements during the original term thereof or of any extension of said term that may be granted by the Oblige with or without notice to the Surety, this obligation shall be void, otherwise it shall remain in full force and effect.

IN WITNESS WHEREOF, the seal and signature of said Principal is hereto affixed and the corporate seal and the name of the said Surety is hereto affixed and attested by its duly authorized Attorney-in-Fact, this 29th Day of November 2000.

BOARD OF COMMISSIONERS  
OF THE COUNTY OF HAMILTON

[Signature]  
[Signature]  
[Signature]

DATE 12/26/00

RELEASE OF LETTER OF CREDIT  
RELEASE OF LETTER OF CREDIT

HAMILTON COUNTY BOARD OF COMMISSIONERS  
BY: [Signature]  
BY: [Signature]  
BY: [Signature]

Pittman Partners, Inc.

Principal

BY: [Signature]  
Steve Pittman, President

DEVELOPERS SURETY AND INDEMNITY COMPANY

BY: [Signature]  
Howard E. McConnell Attorney-in-Fact

ATTEST: [Signature]  
HAMILTON COUNTY AUDITOR

EST: [Signature]  
HAMILTON COUNTY AUDITOR

# SUBDIVISION IMPROVEMENTS PERFORMANCE BOND

BOND NO: 886067S

KNOW ALL MEN BY THESE PRESENTS:

THAT we, PITTMAN PARTNERS, INC. as Principal,  
and DEVELOPERS SURETY AND INDEMNITY COMPANY, a corporation organized and doing  
business and under and by virtue of the laws of the State of Iowa and duly licensed to conduct surety  
business in the State of Indiana, as Surety, are held and firmly bound unto

BOARD OF COMMISSIONERS, HAMILTON COUNTY, ONE HAMILTON SQUARE,  
NOBLESVILLE, IN 46060

as Obligee, in the sum of One hundred twenty two thousand and no/100 Dollars,  
(\$ 122,000.00 ) for which payment, well and truly to be made, we bind ourselves, our heirs, executors  
and successors, jointly and severally firmly by these presents.

THE CONDITION OF THE OBLIGATION IS SUCH THAT:

WHEREAS, the above named Principal, has agreed to construct in The Estates of Clay West  
Subdivision, City of Carmel, Indiana the  
following improvements: Storm Sewers & Sub-Surface Drains

NOW, THEREFORE, the condition of this obligation is such, that if the above Principal shall well and  
truly perform said agreement or agreements during the original term thereof or of any extension of said  
term that may be granted by the Obligee with or without notice to the Surety, this obligation shall be void,  
otherwise it shall remain in full force and effect.

IN WITNESS WHEREOF, the seal and signature of said Principal is hereto affixed and the corporate seal  
and the name of the said Surety is hereto affixed and attested by its duly authorized Attorney-in-Fact, this  
29th Day of November 2000.

ATTEST: Helen M. McCall  
HAMILTON COUNTY CLERK

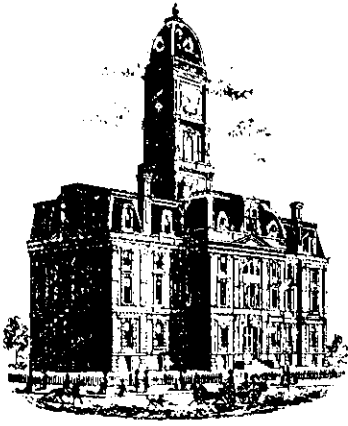
BOARD OF COMMISSIONERS  
OF THE COUNTY OF HAMILTON  
[Signatures]

DATE 12/26/00  
RELEASE OF MAINTENANCE/PERFORMANCE BOND  
RELEASE OF LETTER OF CREDIT  
HAMILTON COUNTY BOARD OF COMMISSIONERS  
BY: [Signatures]

Pittman Partners, Inc.  
Principal  
BY: [Signature]  
Steve Pittman, President

DEVELOPERS SURETY AND INDEMNITY COMPANY  
BY: [Signature]  
Howard E. McConnell Attorney-in-Fact

ATTEST: [Signature]  
HAMILTON COUNTY AUDITOR



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**

**July 2, 2003**

**Re: Elliot Creek Drain: The Estates at Clay West Arm**

Attached are as-builts, certificate of completion & compliance, and other information for The Estates at Clay West. 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 24, 2001. The report was approved by the Board at the hearing held February 26, 2001. (See Drainage Board Minutes Book 5, Pages 575-577) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
702		880.77				
703	883.83	880.95	15	5	22	17
703	883.83	880.77				
704	885.66	882.02	15	303	300	3
704	885.66	880.97				
705	885.66	882.18	15	22	26	4
705	885.66	882.07				
706	886.21	883.07	12	76	80	4
706	886.21	882.18				
707		885.1	12	30	39	9
700		881.12				
701		882.58	30	150.33	153	2.67
708		882.45				
709	887.87	883.35	18	278	289	11
709	887.87	882.45				
710	887.78	883.65	15	23	26	3
710	887.78	883.41				
711		885.76	12	239	247	8
712		882.95				
713	889.52	883.88	18	256	265	9
713	889.52	882.95				



714	889.73	884.16	12	70	74	4
714	889.73	883.93				
715		885.17	12	274	281	7
726	891.8	888.07				
725	891.8	887.89	12	24	26	2
725	891.8	887.84				
724		884.9	15	290	299	9
713	889.52	885.3				
716	889.07	885.3	12	27	29	2
716	889.07	884.73				
717	889.25	885.41	12	22	26	4
730	891.87					
729	891.9	888.04	12	23	26	3
729	891.9	887.85				
728	892.3	887.87	15	51	55	4
728	892.3	887.53				
727		887.53	15	264	273	9
738	892.15					
737	892.14	888.75	12	22	26	4
737	892.14	888.4				
736	892.87	888.34	15	70	75	5
736	892.87	888.08				
735		888.02	15	218	228	10
734	894.39					
733	892.15	891.27	12	300	305	5
733	892.15	889.59				
732	890.42	889.12	15	405	410	5
732	890.42	887.42				
731		887.41	15	73	79	6
718		882.98				
719	889.29	886.11	15	174	168	6
719	889.29	882.98				
720	892.25	888.28	15	396	400	4
720	892.25	886.14				
721	893.51	890.61	12	343	346	3
739		886.7				
740	890.42	887.67	15	220	230	10
740	890.42	886.7				
741	892.22	888.47	12	49	54	5
741	892.22	887.68				
742	892.12	888.67	12	22	26	4
743		884.79				
744	887.73	884.96	18	50	63	13
744	887.73	884.79				
745	890.14	885.64	18	179	178	1
745	890.14	884.97				
746	892.23	886.35	18	175	177	2
746	892.23	885.69				

747		886.77	18	54	75	21
723	889.4	886.07				
722		885.39	12	182	191	-9

**6" SSD Streets:**

West Sherbern	2405
CA 3 Street	491
CA 2 Street	424
x2	

**Total:** 6640

**RCP Pipe Totals:**

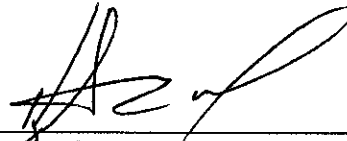
12	1703
15	2514
18	992
30	150
Open Ditch	350

The length of the drain due to the changes described above is now **12,349 feet**.

The non-enforcement was approved by the Board at its meeting on February 26, 2001 and recorded under instrument #200200027371 and #200200027372. The bonds or letters of credit from Developers Surety and Indemnity Co, number 886067S and 886068S; dated November 29, 2001; in the amounts of \$122,000 and \$20,000; were released September 23, 2002.

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

Sincerely,



Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm



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**

**July 9, 2004**

**Revised Final: Elliot Creek Drain: The Estates at Clay West Arm**

Attached are as-builts, certificate of completion & compliance, and other information for The Estates at Clay West. 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 24, 2001. The report was approved by the Board at the hearing held February 26, 2001. (See Drainage Board Minutes Book 5, Pages 572-574) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
702		880.77				
703	883.83	880.95	15	5	22	17
703	883.83	880.77				
704	885.66	882.02	15	303	300	3
704	885.66	880.97				
705	885.66	882.18	15	22	26	4
705	885.66	882.07				
706	886.21	883.07	12	76	80	4
706	886.21	882.18				
707		885.1	12	30	39	9
700		881.12				
701		882.58	30	150.33	153	2.67
708		882.45				
709	887.87	883.35	18	278	289	11
709	887.87	882.45				
710	887.78	883.65	15	23	26	3
710	887.78	883.41				
711		885.76	12	239	247	8
712		882.95				
713	889.52	883.88	18	256	265	9

714	889.73	884.16	12	70	74	4
714	889.73	883.93				
715		885.17	12	274	281	7
726	891.8	888.07				
725	891.8	887.89	12	24	26	2
725	891.8	887.84				
724		884.9	15	290	299	9
713	889.52	885.3				
716	889.07	885.3	12	27	29	2
716	889.07	884.73				
717	889.25	885.41	12	22	26	4
730	891.87					
729	891.9	888.04	12	23	26	3
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728	892.3	887.53				
727		887.53	15	264	273	9
718		882.98				
719	889.29	886.11	15	174	168	6
719	889.29	882.98				
720	892.25	888.28	15	396	400	4
720	892.25	886.14				
721	893.51	890.61	12	343	346	3
723	889.4	886.07				
722		885.39	12	182	191	-9

**6" SSD Streets:**

West Sherbern	1810
CA 3 Street	491
CA 2 Street	424
x2	2725

**Total:** 5450

**RCP Pipe Totals:**

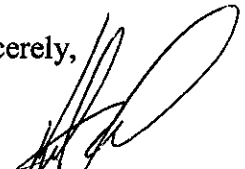
12	1310
15	1528
18	534
30	150
Open Ditch	350

The length of the drain due to the changes described above is now **9,322 feet**.

The non-enforcement was approved by the Board at its meeting on February 26, 2001 and recorded under instrument #200200027371 and #200200027372. The bonds or letters of credit from Developers Surety and Indemnity Co, number 886067S and 886068S; dated November 29, 2001; in the amounts of \$122,000 and \$20,000; were released September 23, 2002.

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

Sincerely,



\_\_\_\_\_  
Kenton C. Ward,  
Hamilton County Surveyor

OWNER/DEVELOPER

THE RESERVE AT SPRING MILL, L.P.

STEVE PITTMAN

P.O. BOX 554  
CARMEL, IN 46032

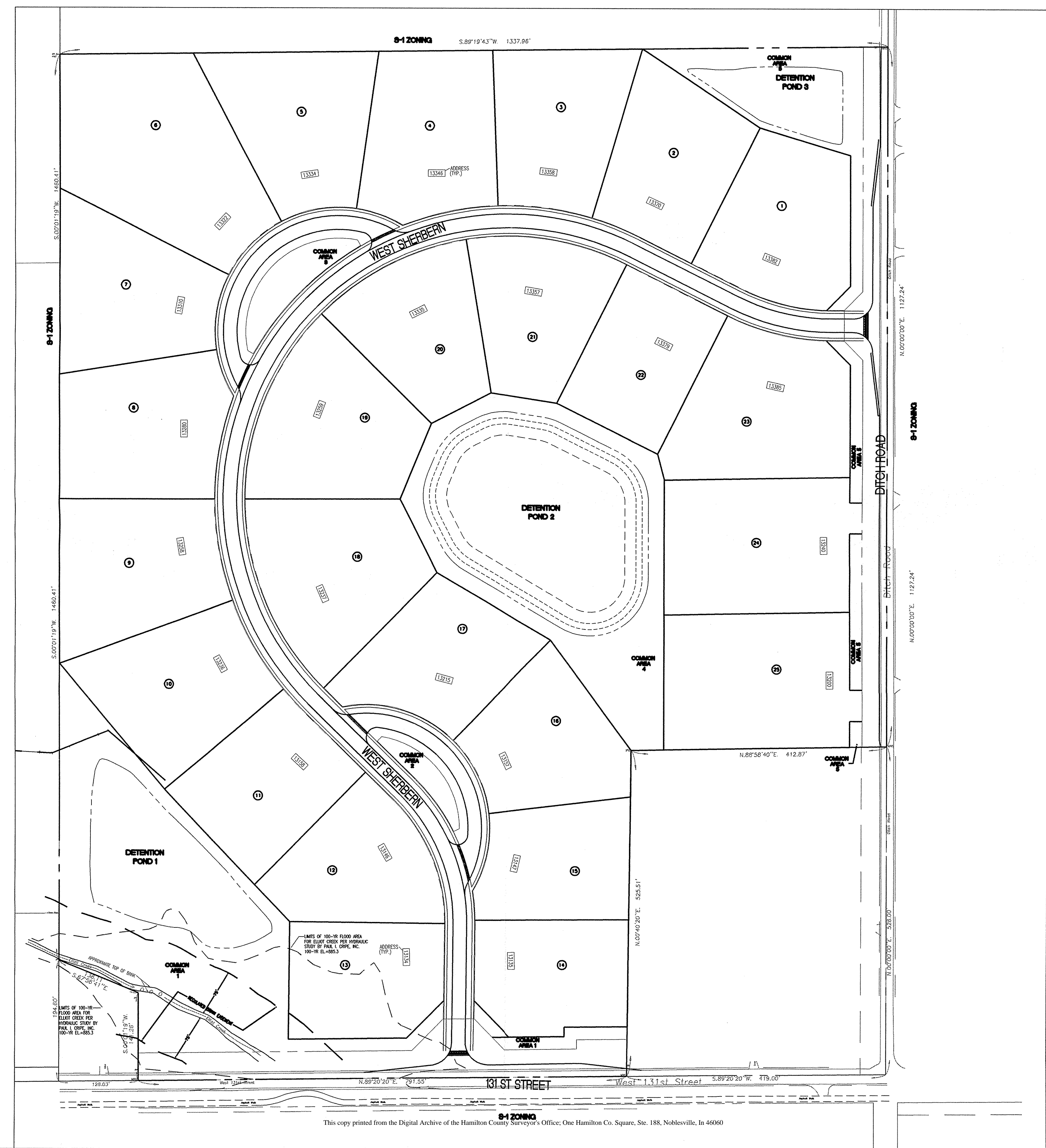
Ph. (317) - 580-9693 FAX (317) - 580-9786

# AS-BUILT PLANS FOR THE ESTATES OF CLAY WEST

PROJECT DATA	
PRESENT ZONING	S-1 (1.0)
STREET LENGTH	= 0.63 MILES
STREET DESIGN SPEED	= 25 MPH
TOTAL ACREAGE	= 45.32 Ac.
MAXIMUM NUMBER OF LOTS ALLOWED PER ZONING	= 1.0(45.32) = 45.32 => 45
TOTAL LOTS PER PLAT	= 25 LOTS
TOTAL LOT ACREAGE	= 31.27 Ac.
MINIMUM OPEN SPACE REQUIREMENT (20% OF TOTAL ACREAGE)	= 0.20 x 45.32 Ac. = 9.06 Ac.
TOTAL COMMON AREA ACREAGE	= 8.56 Ac.
TOTAL POND AREA	= 3.66 Ac.
TOTAL OPEN SPACE ACREAGE PROVIDED	= 8.56 Ac. (18.9%) (INCLUDING 3.66 Ac. OF PONDS)

### INDEX

SHT	DESCRIPTION
CS	COVER SHEET
	SITE PLAN W/ AS-BUILT STORAGE VOLUMES
C501	SANITARY PLAN & PROFILES
C502	SANITARY PLAN & PROFILES
C503	SANITARY PLAN & PROFILES
C504	SANITARY PLAN & PROFILES
C701	STORM SEWER PLAN & PROFILES
C702	STORM SEWER PLAN & PROFILES
C703	STORM SEWER PLAN & PROFILES
C704	STORM SEWER PLAN & PROFILES



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: 9-15-03

Entered by: J.E.S.

FILED  
OCT 04 2002  
OFFICE OF HAMILTON COUNTY SURVEYOR

### BENCHMARKS

**PROJECT:** DNR BM HAM 62  
Located at the West 131st Street bridge over Williams Creek. Set in the top of the northeast concrete wingwall of the bridge, 13.5 feet north of the centerline of West 131st St., 1.1 feet southwest from the northeast end of wingwall, level with the roadway, a Department of Natural Resources control station tablet stamped "HAM 62 1989".  
ELEVATION = 861.783 (NGVD 1929)

**NOTE:** TEMPORARY BENCHMARK  
A railroad spike in a power pole at the northwest corner of 131st Street and Ditch Road.  
ELEVATION = 890.44

### CONTACT CO. / PERSON FOR

OWNER	NAME	PHONE NO.	FAX NO.
THE RESERVE AT SPRING MILL, L.P.	LARRY CASTETTER	317-580-9693	317-580-9786
INDIANA GAS	MARK RIGGS	317-581-3048	317-581-3031
INTECH	ERIC MASON	317-776-5597	317-776-5553
HAMILTON WESTERN COUNTY SURVEYOR	KENT WARD	317-252-4274	317-252-5000
CARMEL DOCS	TERRY JONES	317-818-6403	317-776-9495
CARMEL ENGINEER	KAYE BOYLE-WEISE	317-571-2417	317-571-2462
HAMILTON COUNTY SCS	JOHN SOUTH	317-773-1432	317-517-2439
CLAY TOWNSHIP REG WASTE	JAY ALLEY	317-844-9200	317-844-9203



"HOLEY MOLEY" SAYS CALL AT LEAST TWO FULL WORKING DAYS BEFORE YOU DIG. IT'S THE LAW.

1-800-382-5544  
CALL TOLL FREE  
1-800-428-5200  
FOR CALLS OUTSIDE OF INDIANA

PROJECT MGR	RICH KELLY	662
PROJECT ENGR	RICK RADABAUGH	651
PROJECT ENGR	MARK LOTT	676
PROJECT LAND PLANNER		
QUALITY ASSURANCE	TOM SCHELLENBERGER	622

DWG. TYPE	FILE NUMBER

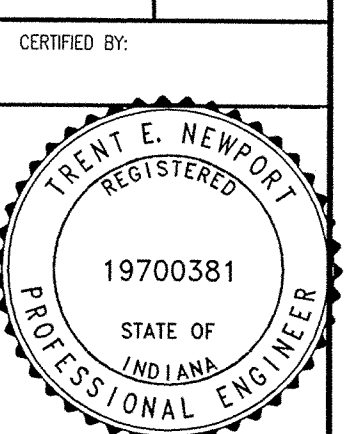
Revision	Date	Description
1		

- ARCHITECTURE
- CIVIL ENGINEERS
- LAND PLANNING
- LAND SURVEYORS
- TRANSPORTATION ENGINEERS
- GIS

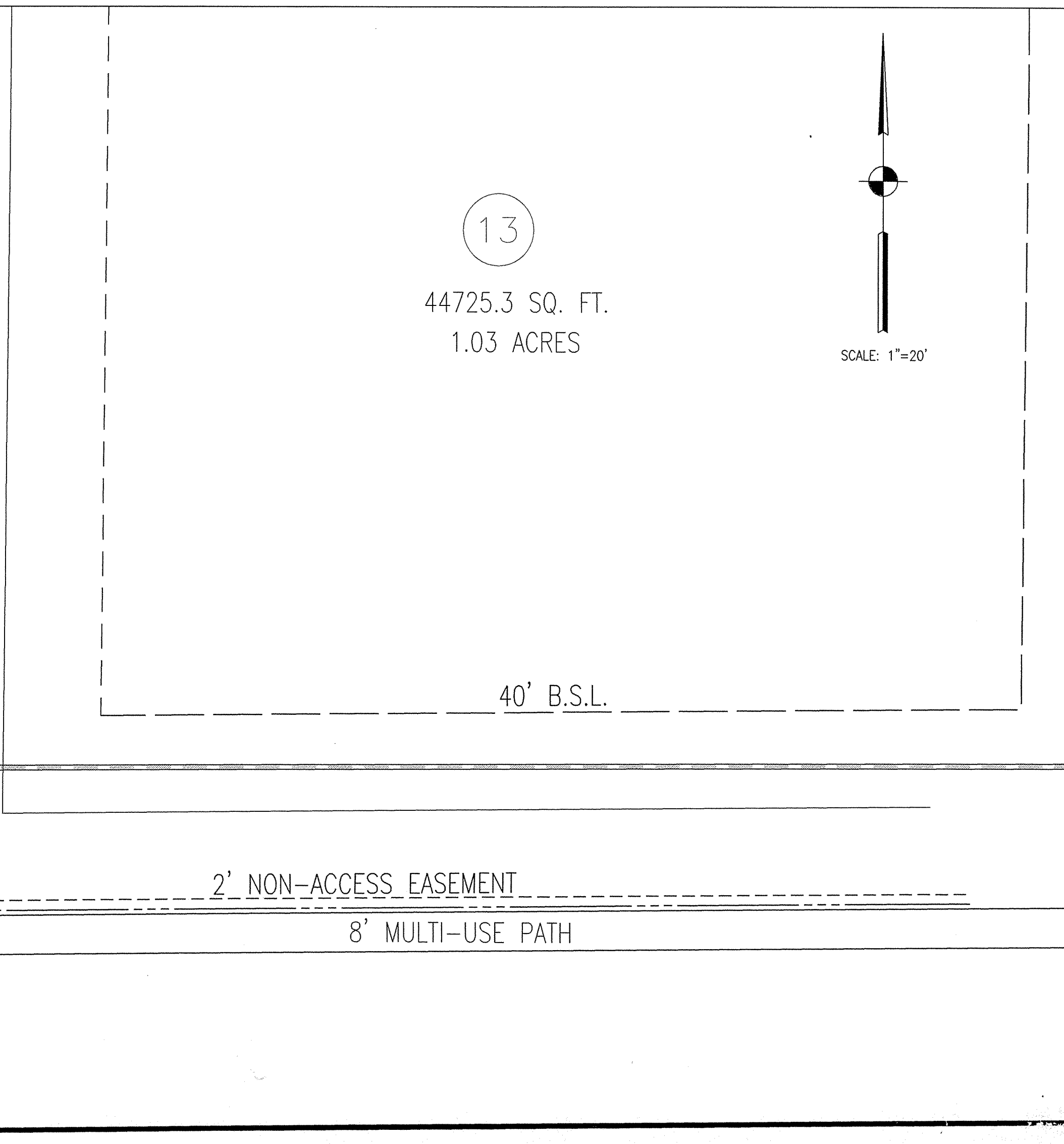
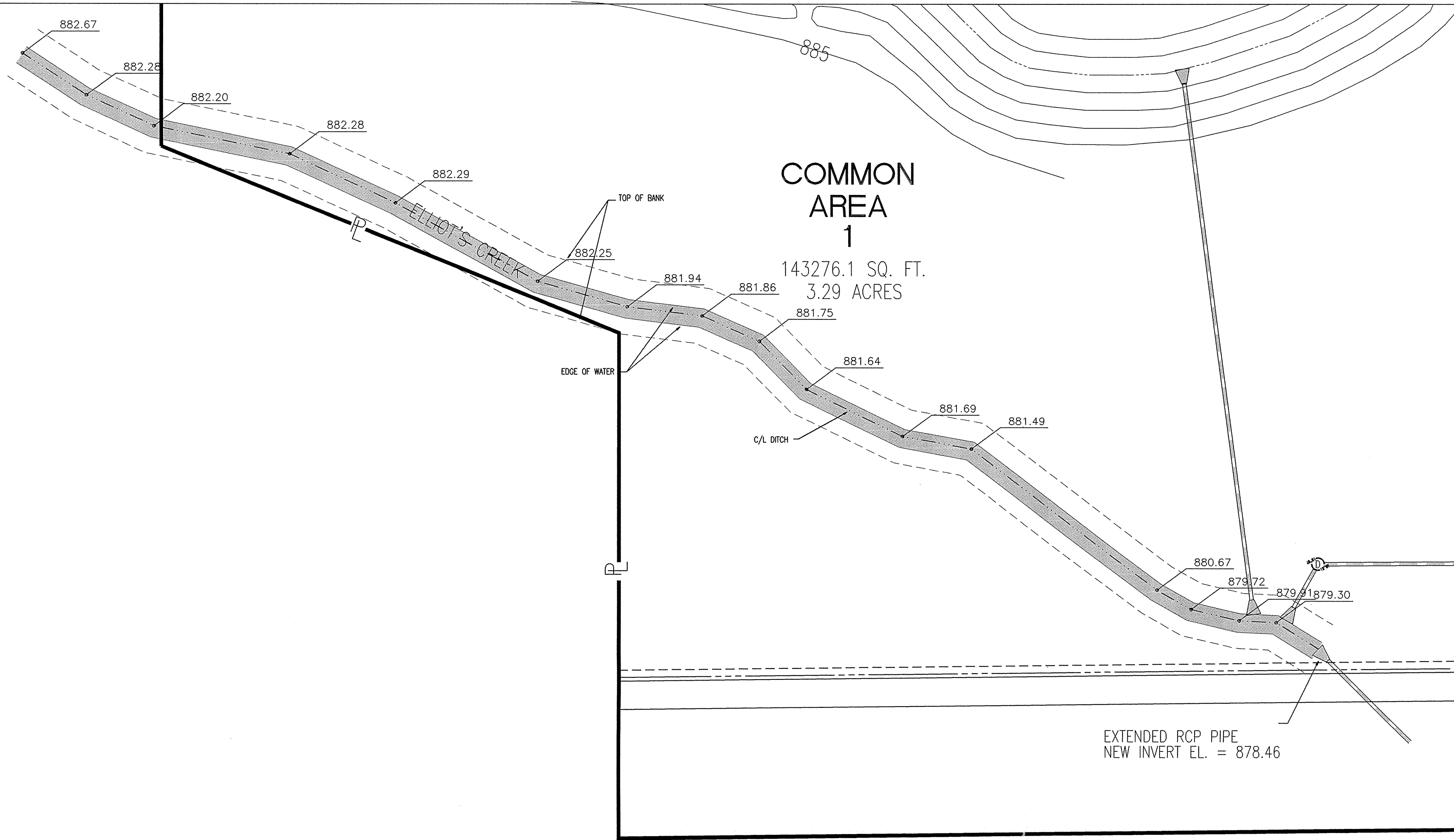
7172 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46250  
(317) 842-6777 FAX (317) 841-4798  
E-Mail: [plc@pcrpe.com](mailto:plc@pcrpe.com)



COVER SHEET  
THE ESTATES OF CLAY WEST  
THE RESERVE AT SPRING MILL, L.P.  
PO BOX 554  
CARMEL, INDIANA 46082  
PHONE: (317)-580-9693 FAX: (317)-580-9786



Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Quality Assurance: \_\_\_\_\_  
Scale: 0' = 1" = \_\_\_\_\_  
Sheet: \_\_\_\_\_  
Date: 09-01-00  
Project Number: 000389-20000



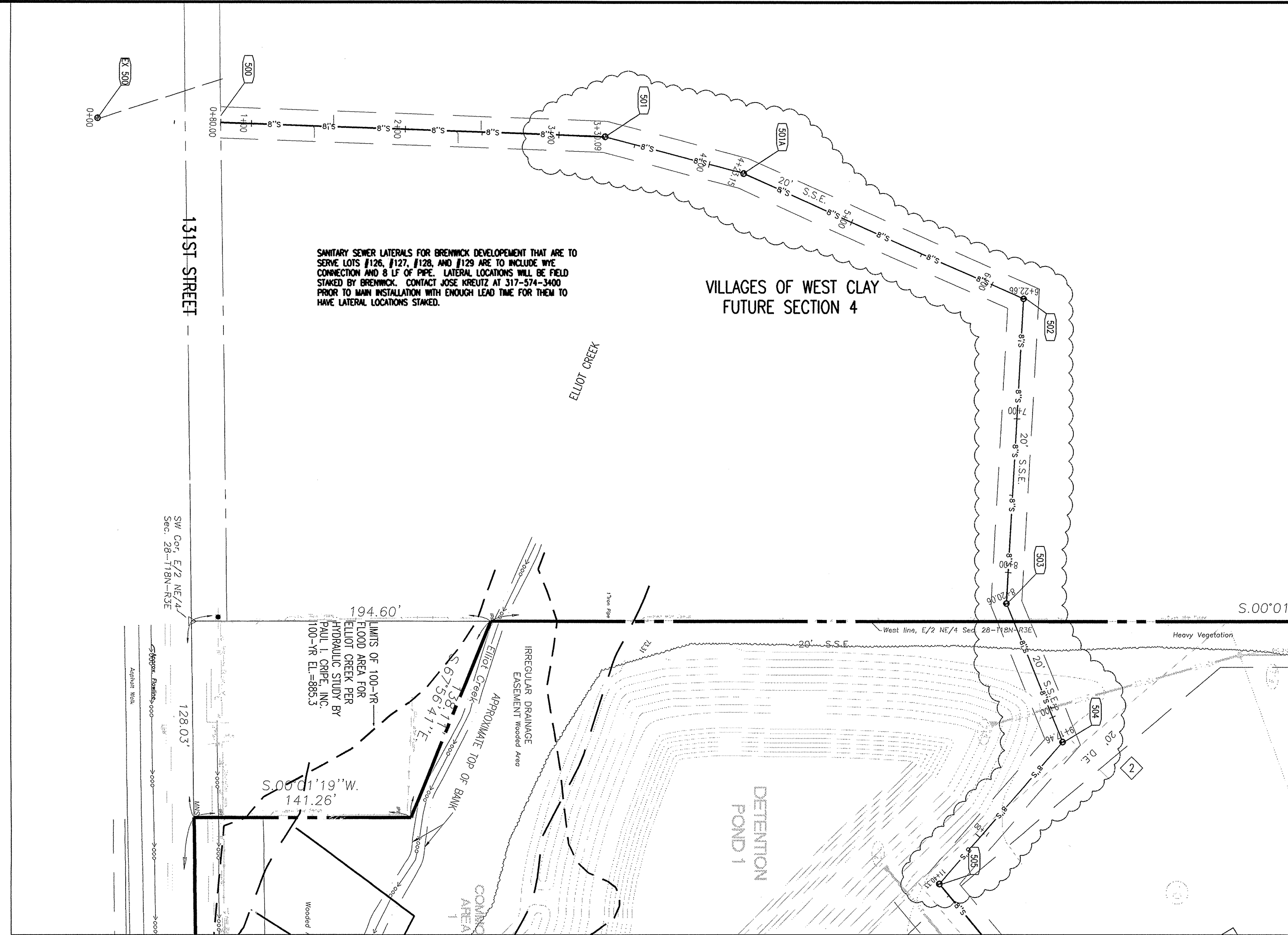
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 ELEVATION = 861.783 (NOV 1999)

SITE: TEMPORARY BENCHMARK  
 A railroad spike in a power pole at the northwest corner of 131st Street and Ditch Road.  
 ELEVATION = 890.44

**FILED**  
 OCT 04 2002  
 OFFICE OF HAMILTON COUNTY SURVEYOR

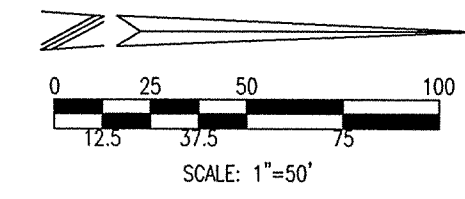
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JOB NO.	DRAWN	JAN	CHECKED	TEN	
DATE	DESIGNED	TEN	APPROVED	WEC	
DATE	DECEMBER, 2000				
SHEET <b>1</b> OF <b>1</b>					

REFERENCES : None  
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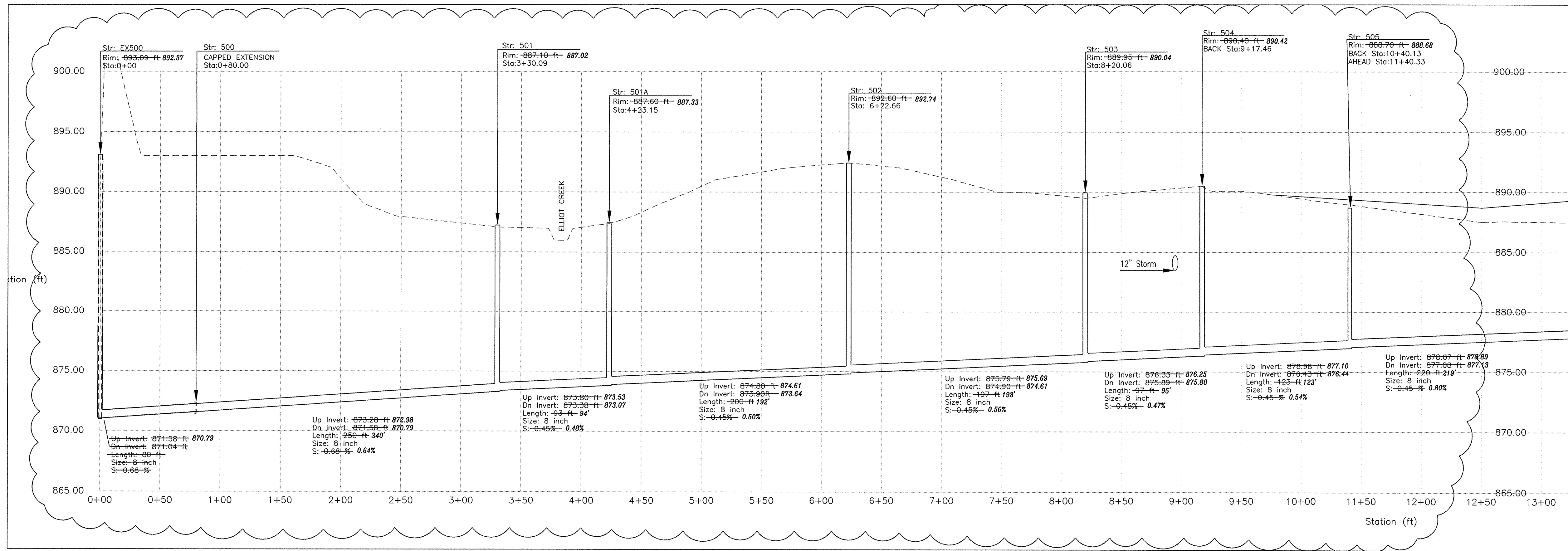
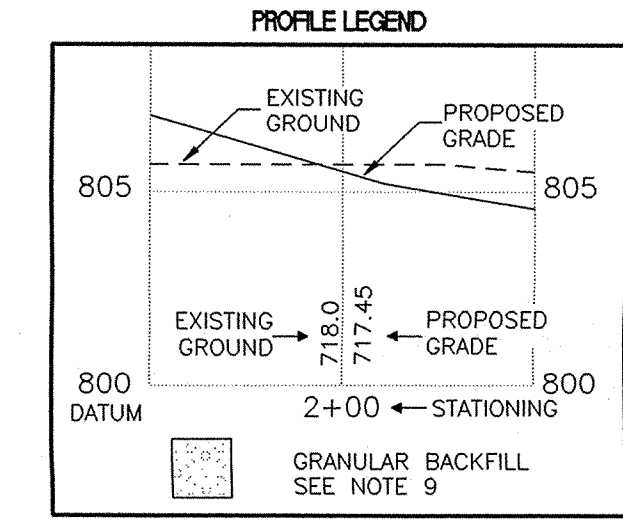


PLAN EX500 - 505

SCALE: 1" = 50'



- SANITARY SEWER PLAN AND PROFILE NOTES**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
  - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
  - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUTED, TROWELED SMOOTH AND BRUSH FINISHED.
  - ALL STRUCTURES (E.G. MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHMILLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
  - FIELD ADJUSTMENTS OF TOP OF CASTING (T.O.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE DESIGNER.
  - 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.
  - CONTRACTOR SHALL VERIFY LOCATION & INVERT ELEVATIONS OF EXISTING SANITARY SEWER PRIOR TO START OF CONSTRUCTION.
  - ALL SANITARY MANHOLE CASTINGS SHALL BE: NEDMAH R-1642-SP OR EQUAL WITH CONCEALED PICK HOLES.
  - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN FIVE (5) FEET OF ALL PAVED AREAS, INCLUDE CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
  - EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY DEPICT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAT FOR EXACT INFORMATION.
  - SEE SECTION 02730 FOR SANITARY SEWERAGE SPECIFICATIONS IN THE PROJECT MANUAL.
  - PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
  - CONNECTIONS TO EXISTING STRUCTURES SHALL BE MADE BY CORE DRILLING AN OPENING FOR THE NEW PIPE. THE PIPE SHALL BE CONNECTED IN THE SAME MANNER AS CONNECTIONS TO PROPOSED STRUCTURES ARE SPECIFIED.
  - DROP MANHOLE STRUCTURES SHALL BE UTILIZED WHEREVER THE INVERT ELEVATION OF AN INCOMING SEWER OR LATERAL IS 2 FEET OR MORE ABOVE THE INVERT ELEVATION OF THE OUTGOING SEWER.



PROFILE EX500 - 505

HOR. SCALE: 1" = 50'

VER. SCALE: 1" = 5'

SANITARY SEWER PLAN AND PROFILE AS-BUILTS

THE ESTATES OF CLAY WEST  
THE RESERVE AT SPRING MILL, L.P.

PO BOX 554  
CARMEL, INDIANA 46082

PHONE: (317)-880-9933 FAX: (317)-580-9788

CERTIFIED BY:

Drawn By:

Checked By:

Quality Assurance:

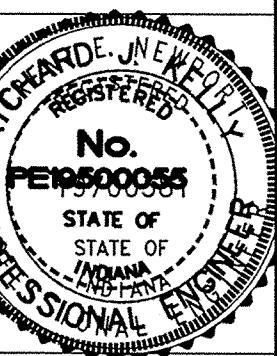
Scale: 0' 1" 2'

Sheet

Date

Project Number

000389-2000



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OCT 04 2002  
OFFICE OF HAMILTON COUNTY SURVEYOR

**DON'T DIG BLIND**

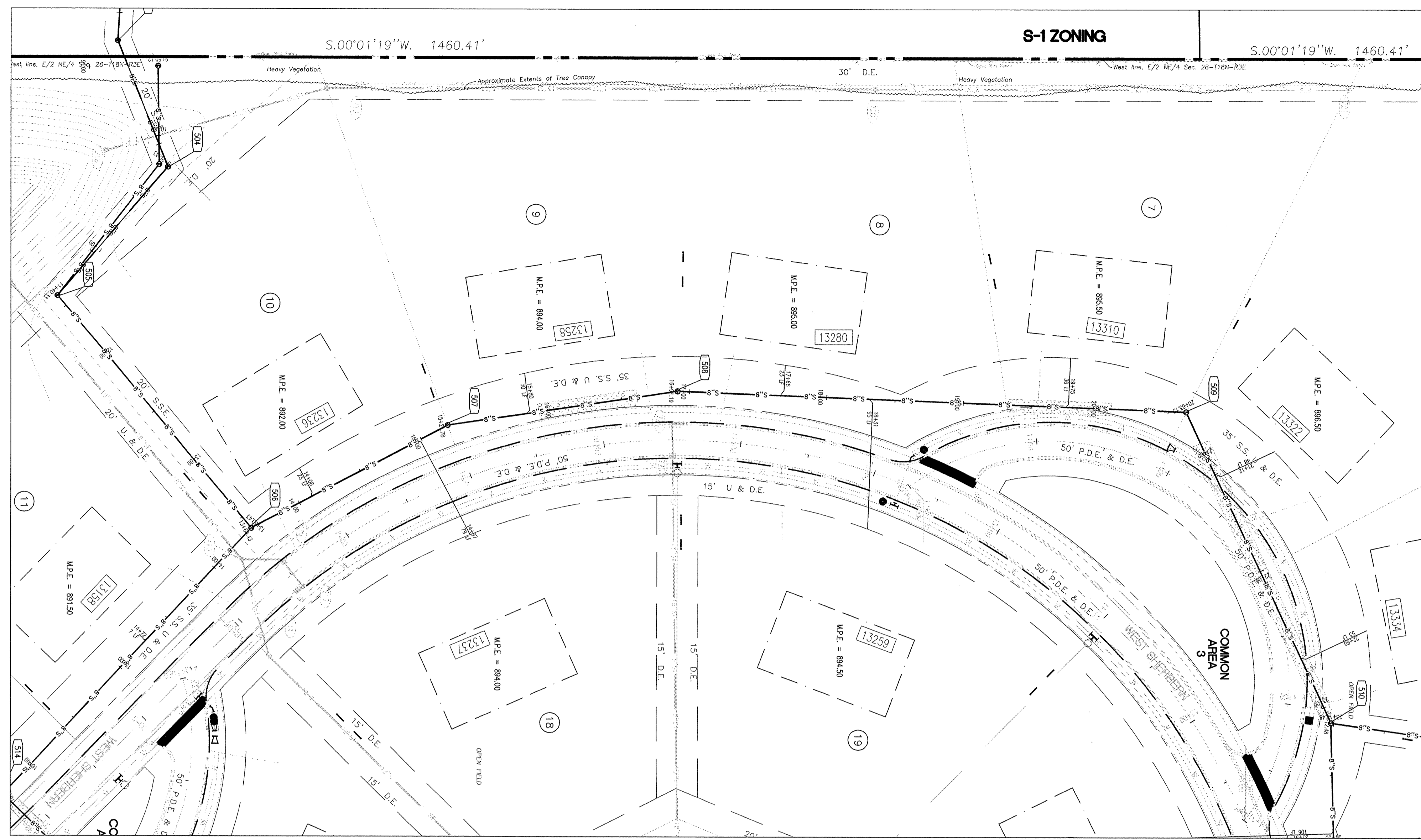
"WHEN DOUBT, CALL FOR HELP"

1-800-382-5544  
CALL TOLL FREE  
1-800-428-5200  
FOR CALLS OUTSIDE OF INDIANA

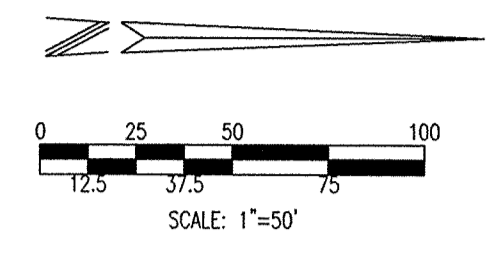
**CAUTION**

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 SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

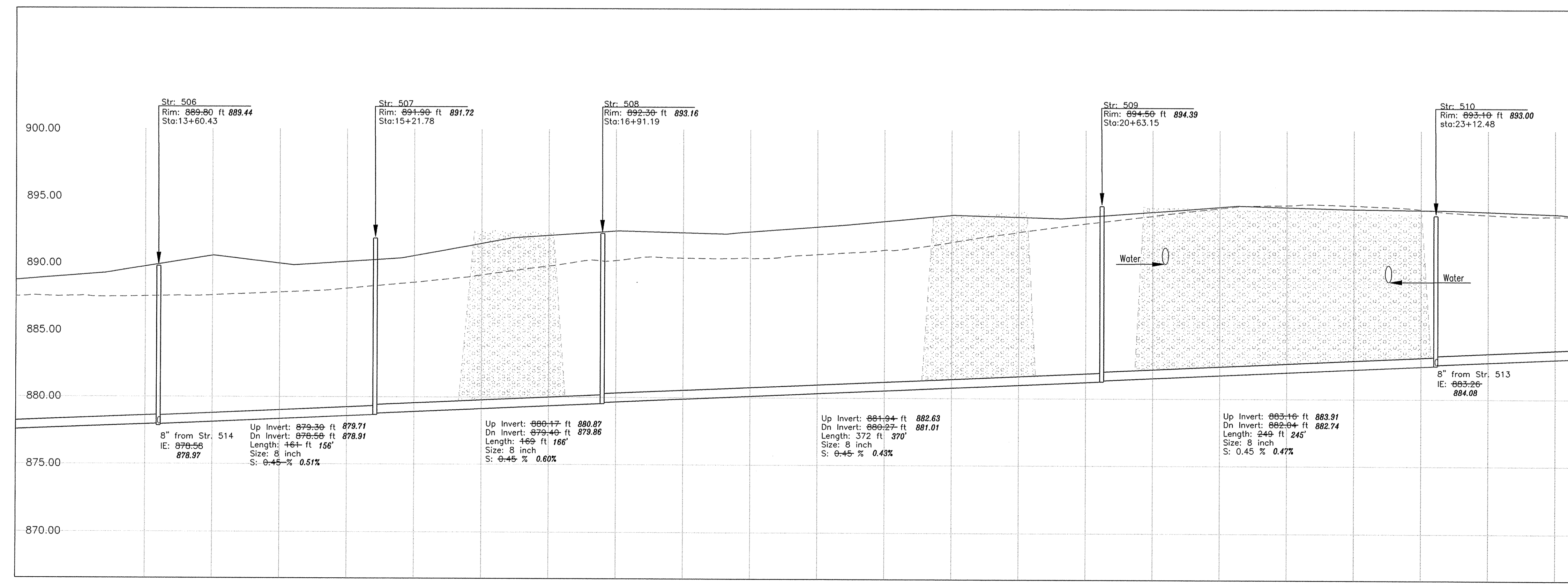
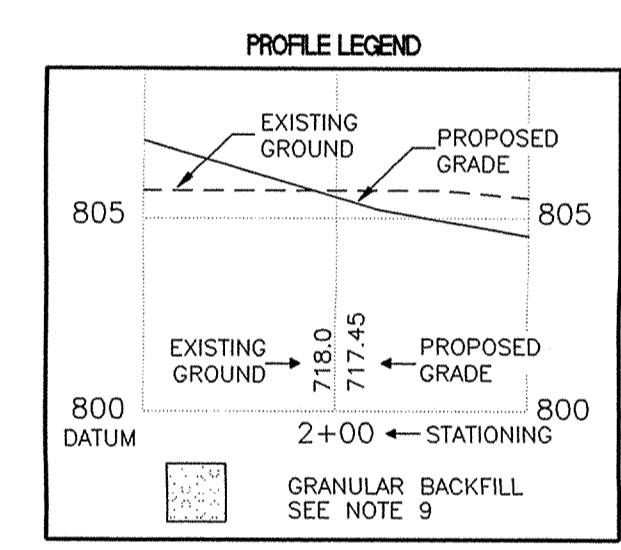
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DIRECTOR PATH : F:\Projects\Estates\ASBULLY\Plans\  
MWD\INT : 08-SEP-01, 08:22:17 / mb



**PLAN 505-510**  
SCALE: 1" = 50'



- SANITARY SEWER PLAN AND PROFILE NOTES**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
  - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
  - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUNDED, TROWELED SMOOTH AND BRUSH FINISHED.
  - ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHWALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
  - FIELD ADJUSTMENTS OF TOP OF CASTING (T.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE DESIGNER.
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  - ALL SANITARY MANHOLE CASTINGS SHALL BE: NEENAH R-1642-SP OR EQUAL WITH CONCEALED PICK HOLES.
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  - EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY DEPICT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAN FOR EXACT INFORMATION.
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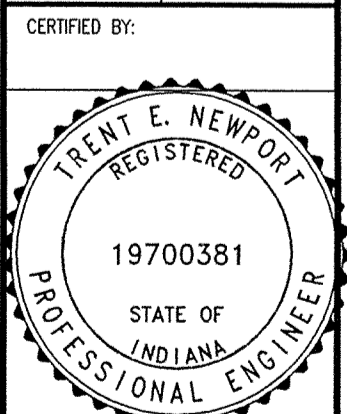
**PROFILE 505-510**  
HOR. SCALE: 1" = 50'  
VER. SCALE: 1" = 5'

**FILED**  
OCT 04 2002  
OFFICE OF HAMILTON COUNTY SURVEYOR

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

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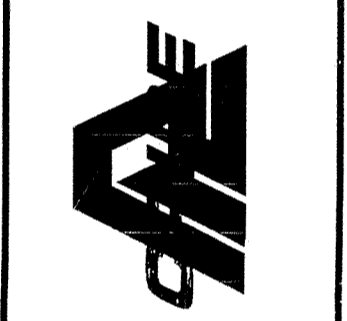
**SANITARY SEWER PLAN AND PROFILE AS-BUILTS**  
THE ESTATES OF CLAY WEST  
**THE RESERVE AT SPRING MILL, L.P.**  
PO BOX 554  
CARMEL, INDIANA 46032



Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Quality Assurance: \_\_\_\_\_  
Scale: 1" = 50'  
Sheet: **C502**  
Date: **09-01-00**  
Project Number: 000389-20000

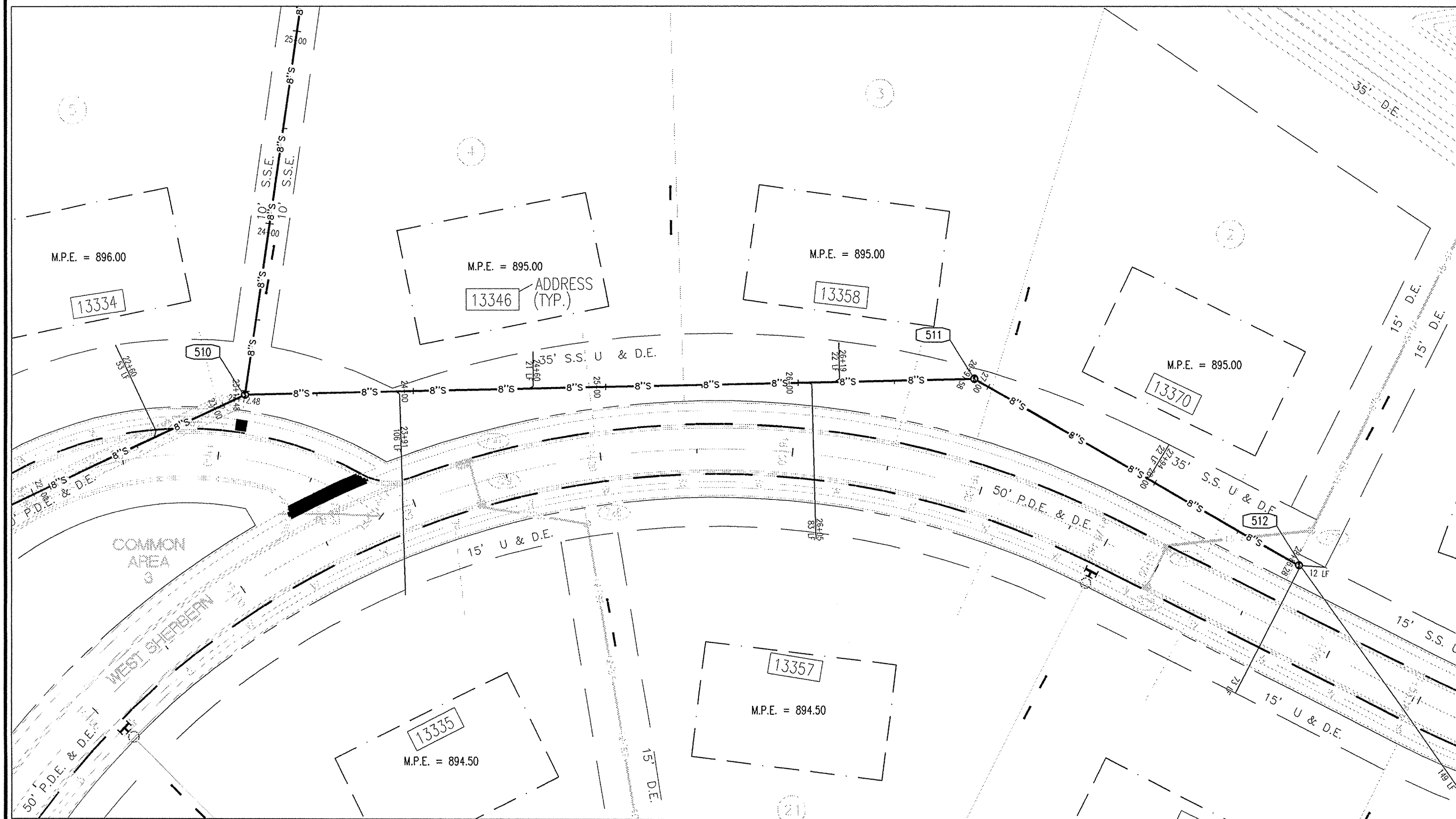
ARCHITECTURE  
CIVIL ENGINEERS  
LANDSCAPE ARCHITECTURE  
LAND SURVEYORS  
ENVIRONMENTAL CONSULTANTS  
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INDIANAPOLIS, INDIANA 46250  
(317) 842-6777 FAX (317) 841-4798  
E-Mail: picpipe@picpipe.com



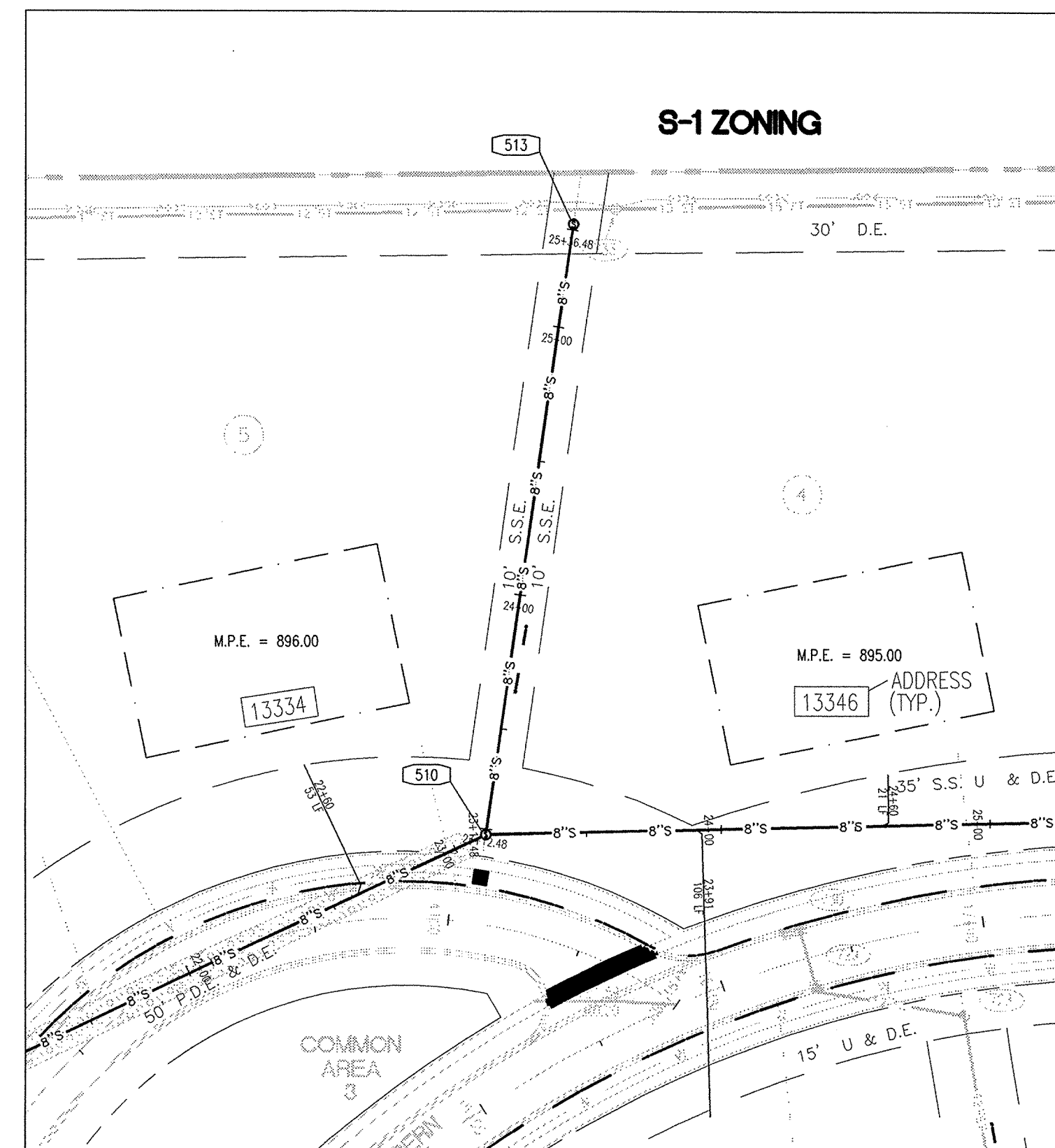
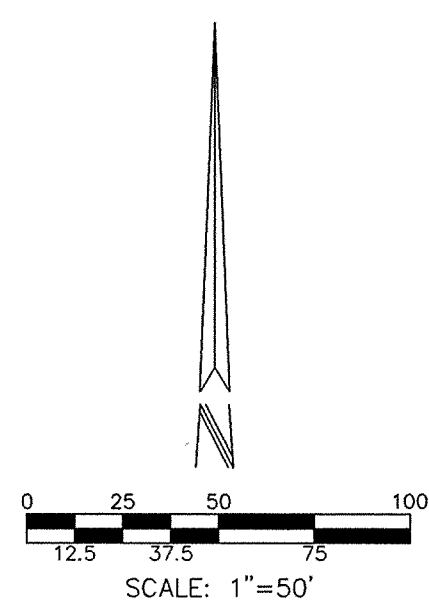
PHONE: (317) 380-9893  
FAX: (317) 380-9786





PLAN 510-512

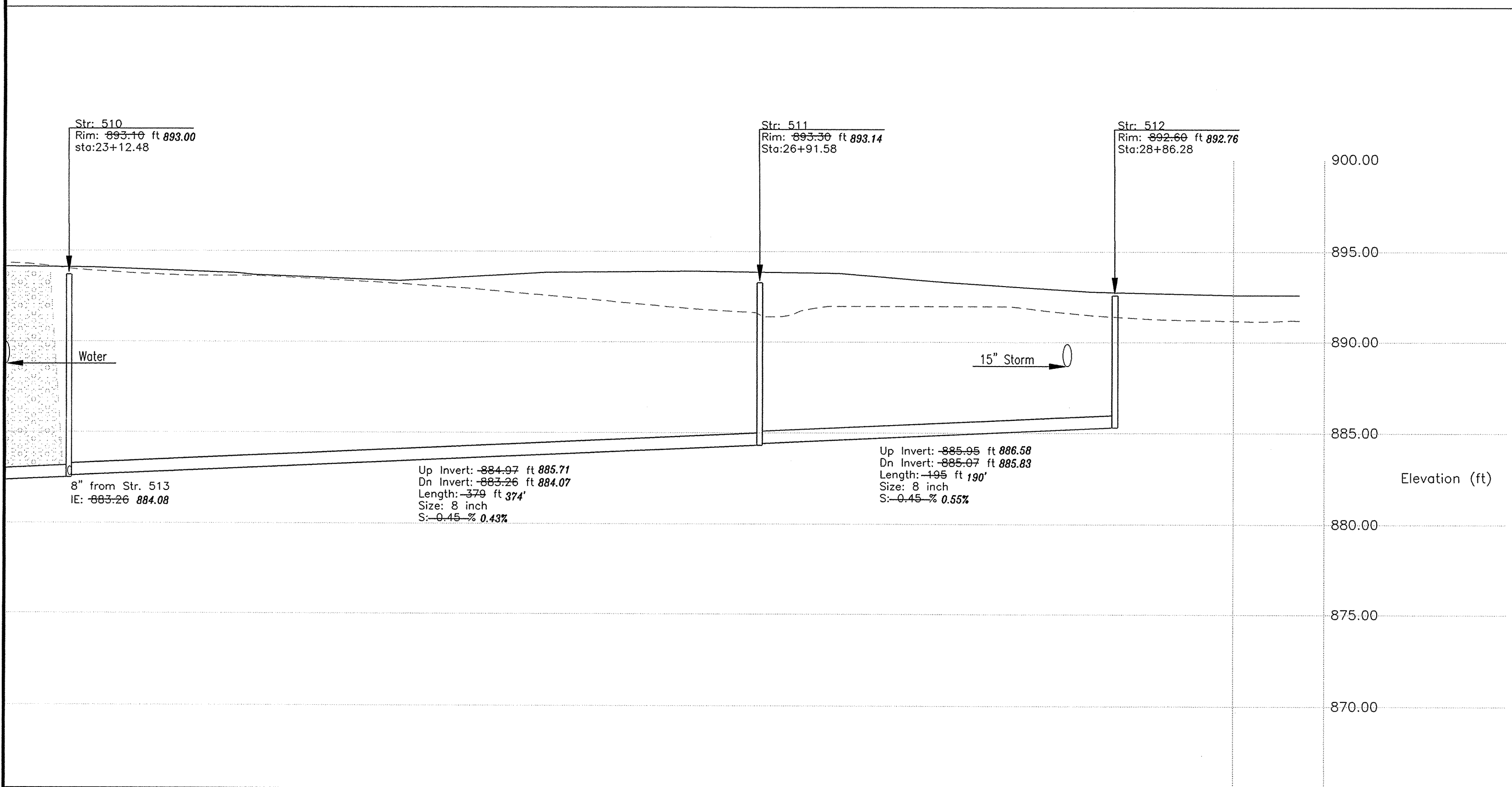
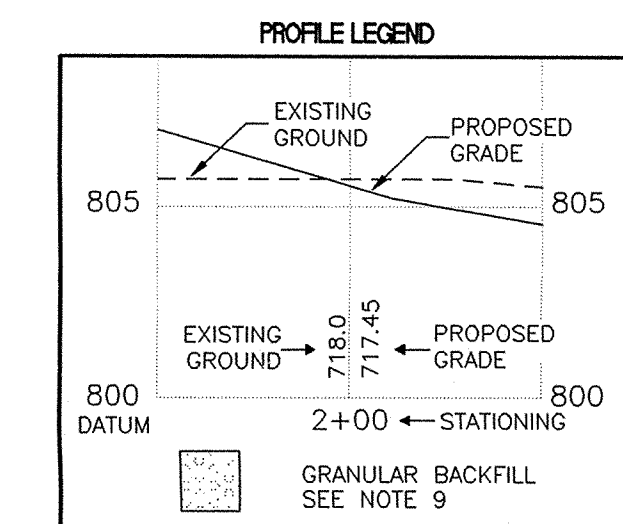
SCALE: 1" = 50'



PLAN 510-513

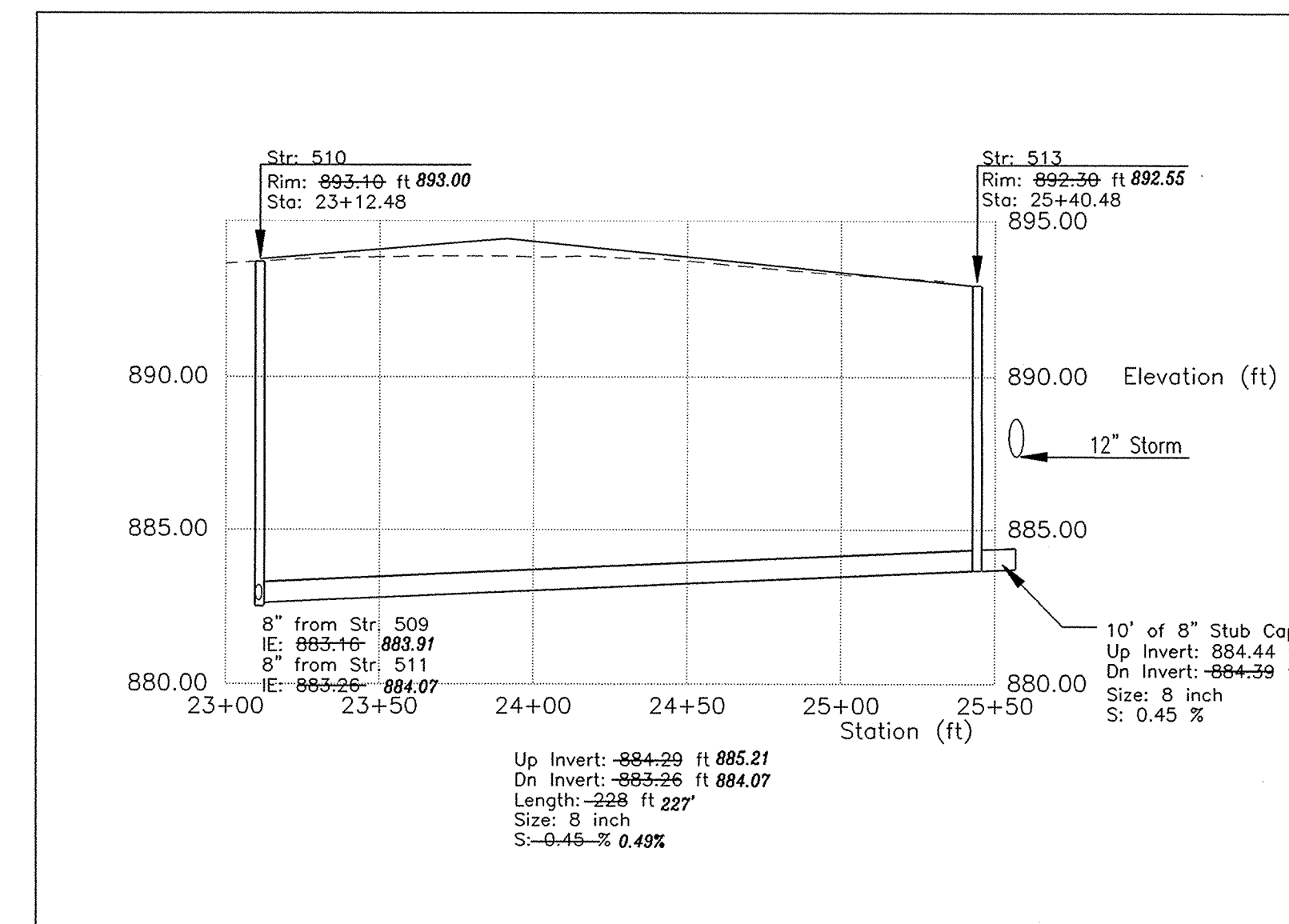
SCALE: 1" = 50'

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PROFILE 510-512

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



PROFILE 510-513

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

FILED

OCT 04 2002

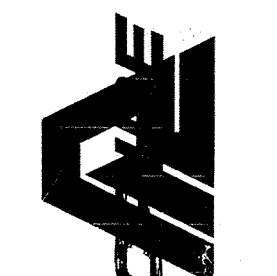
OFFICE OF HAMILTON COUNTY SURVEYOR



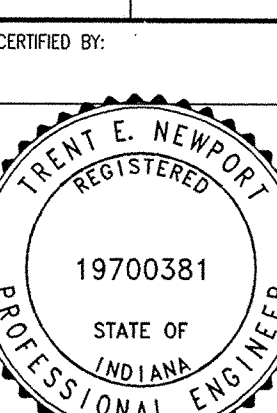
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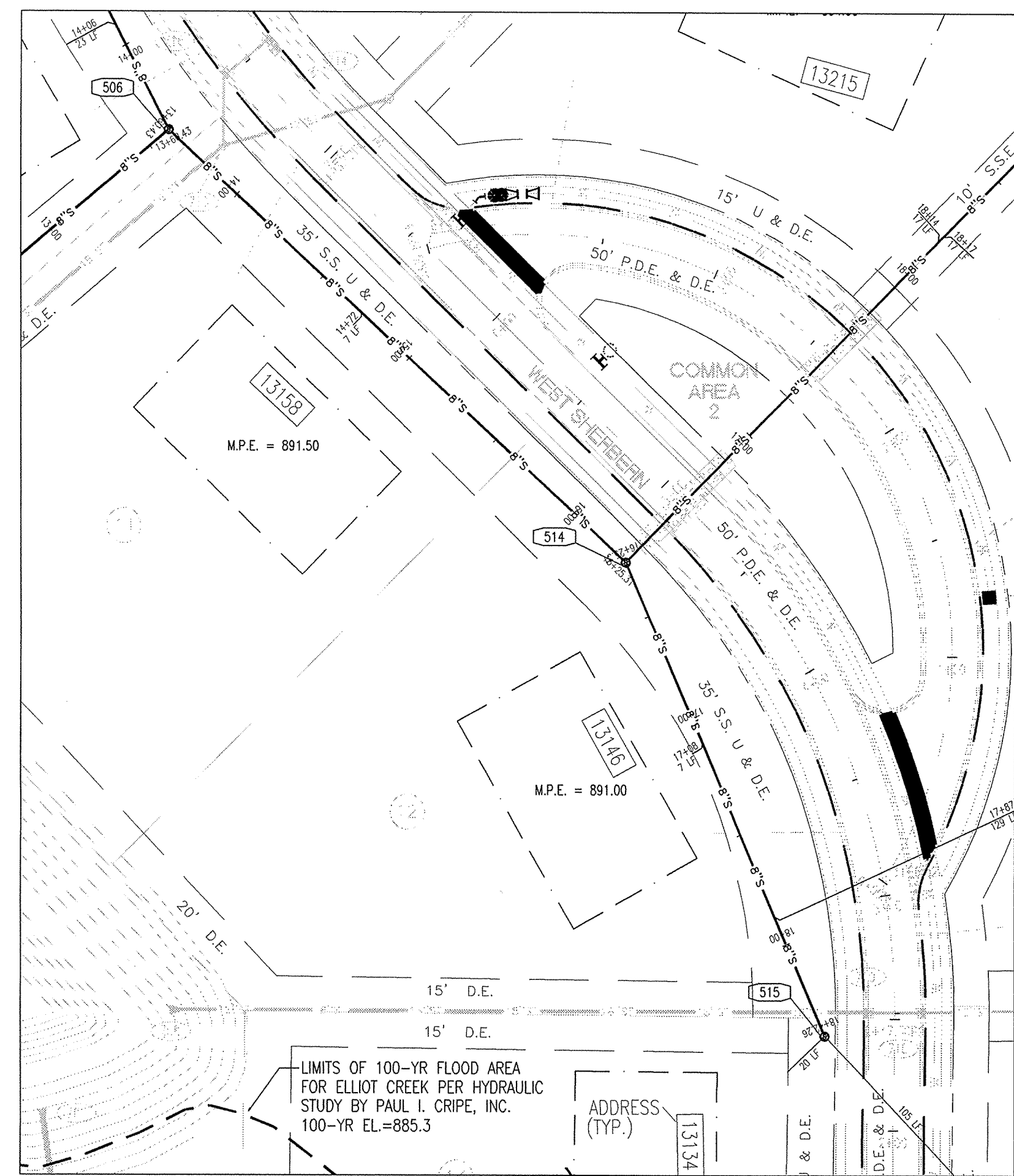
7172 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46250  
(317) 842-6777 Fax (317) 841-4798  
E-Mail: pic@picrpe.com



SANITARY SEWER PLAN AND PROFILE AS-BUILTS  
THE STATES OF CLAY WEST  
THE RESERVE AT SPRING MILL, L.P.  
PO BOX 554  
CARMEL, INDIANA 46082

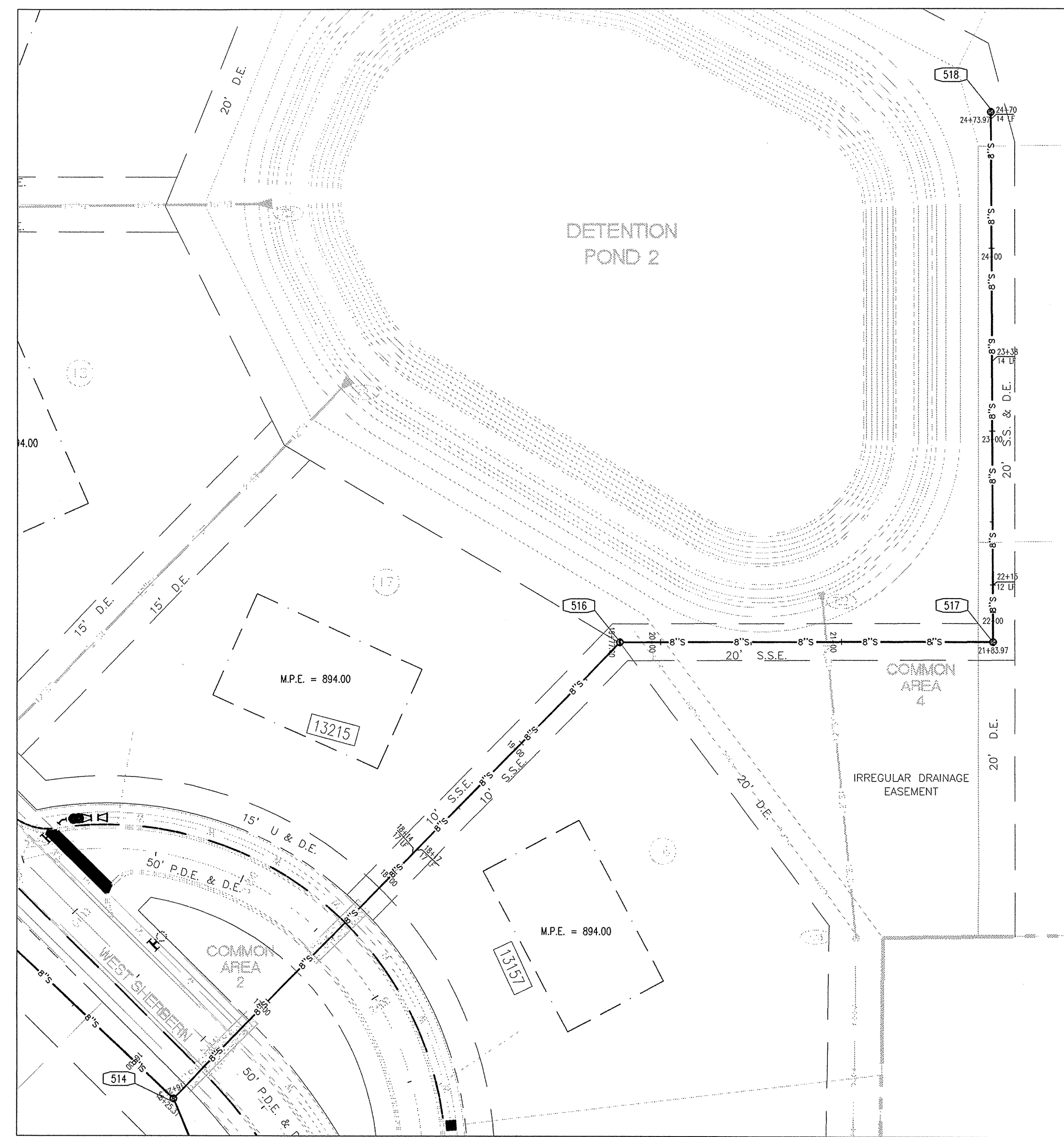


Drawn By:  
Checked By:  
Quality Assurance:  
Scale: 1" = 50'  
Sheet: C503  
Date: 09-01-00  
Project Number: 000389-20000



PLAN 506-515

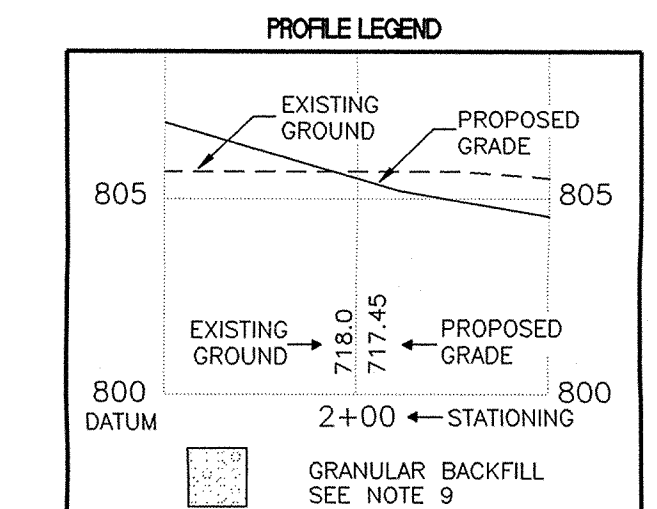
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PLAN 514-518

SCALE: 1" = 50'

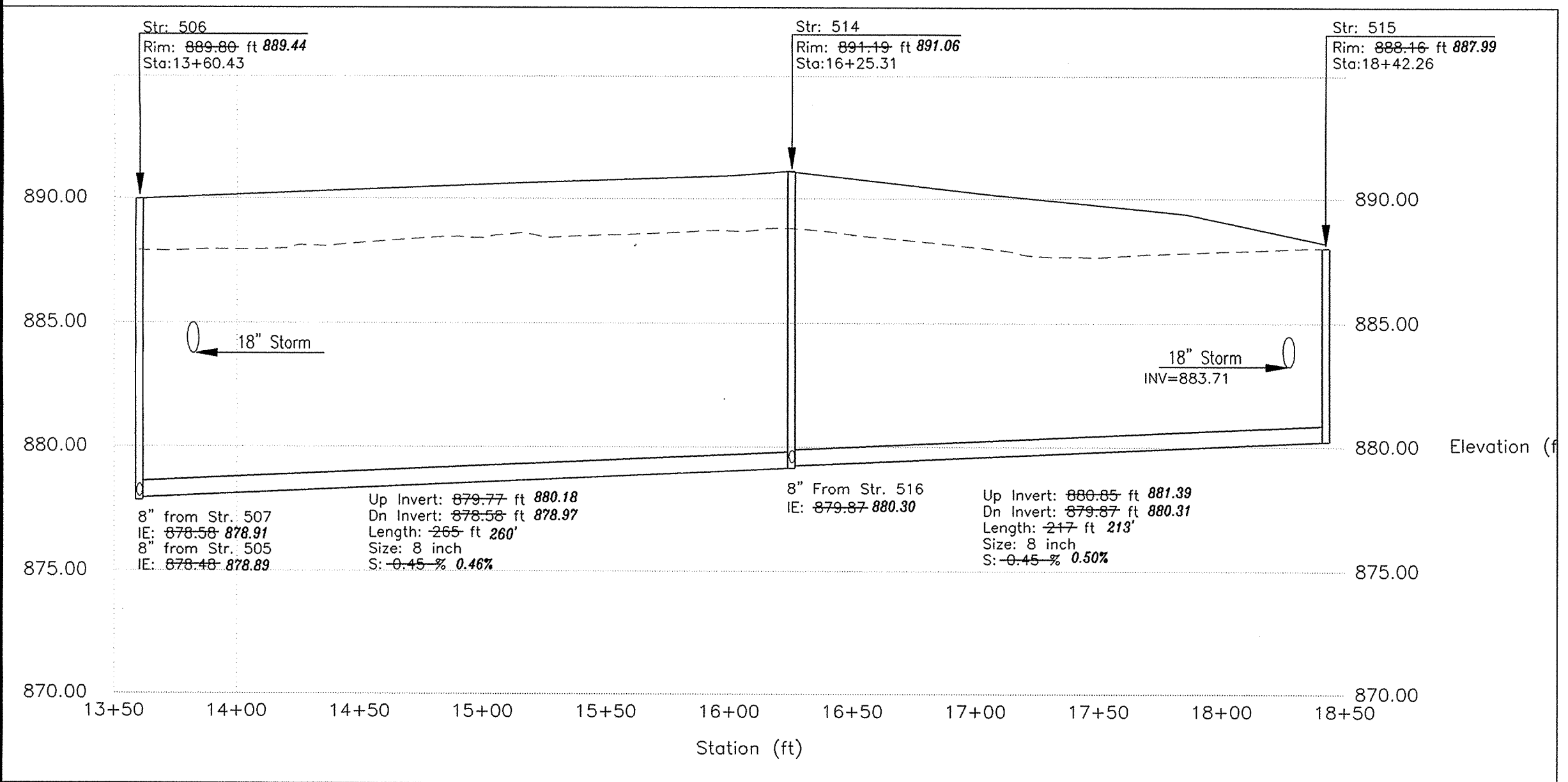
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**DON'T DIG BLIND**

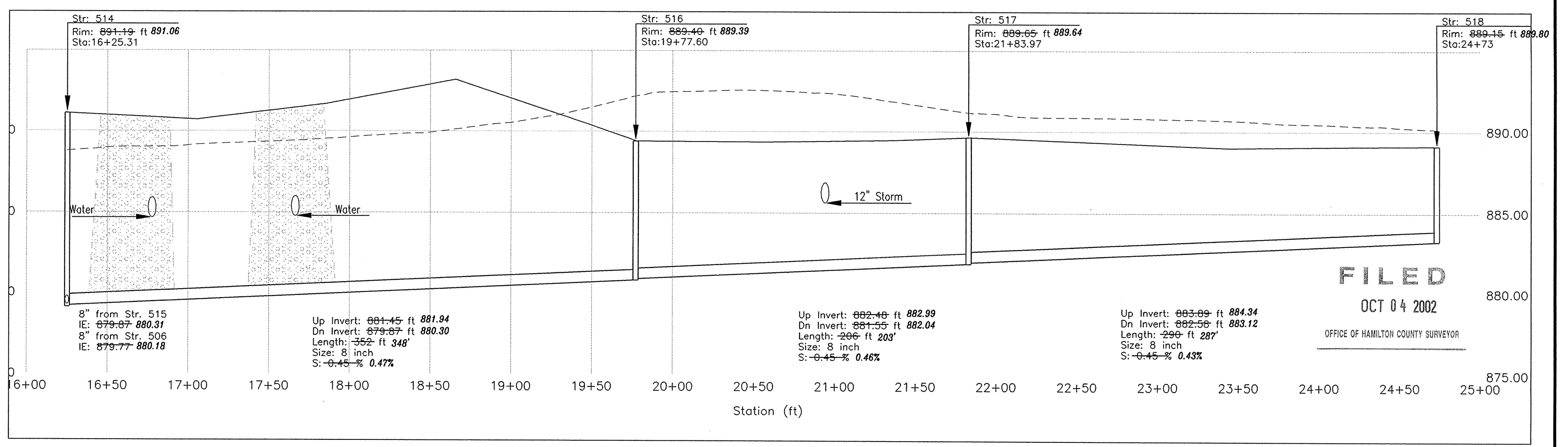
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CALL TOLL FREE  
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1-800-428-5200  
FOR CALLS OUTSIDE OF INDIANA



PROFILE 506-515

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



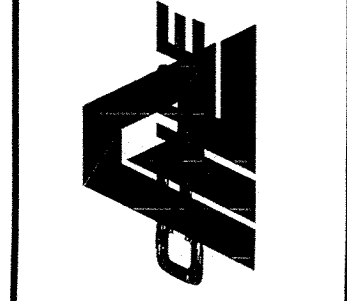
PROFILE 514-518

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

Revision	Mark	Description

ARCHITECTURE  
CIVIL ENGINEERS  
LANDSCAPE ARCHITECTURE  
LAND PLANNING  
ENVIRONMENTAL CONSULTANTS  
TRANSPORTATION ENGINEERS

7172 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46250  
(317) 842-6777 FAX (317) 841-841-4798  
E-Mail: picrpe@picrpe.com

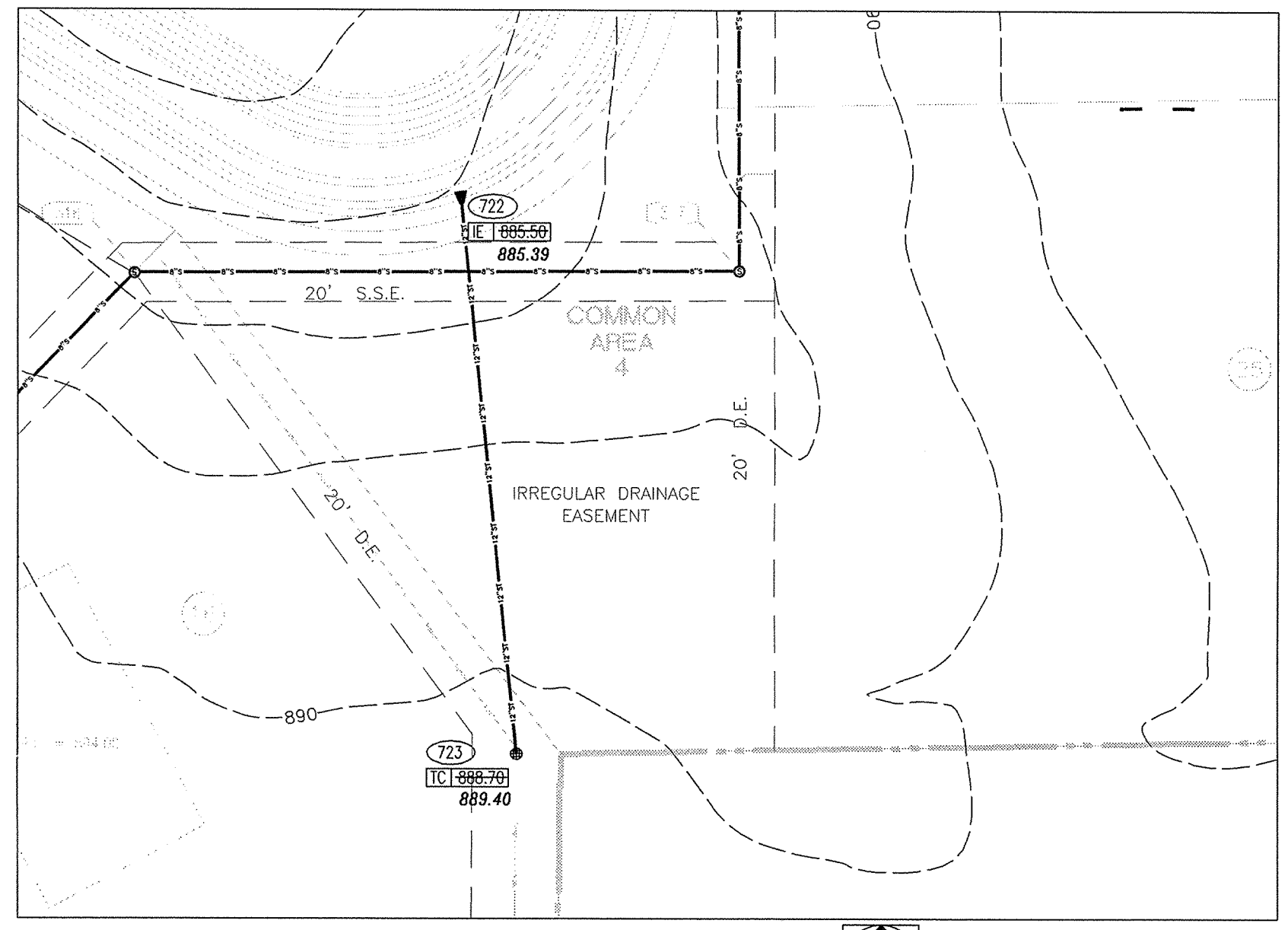


SANITARY SEWER PLAN AND PROFILE AS-BUILTS  
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THE RESERVE AT SPRING MILL, L.P.  
PO BOX 554  
CARMEL, INDIANA 46082  
PHONE: (317) 580-9683 FAX: (317) 580-9786

CERTIFIED BY:

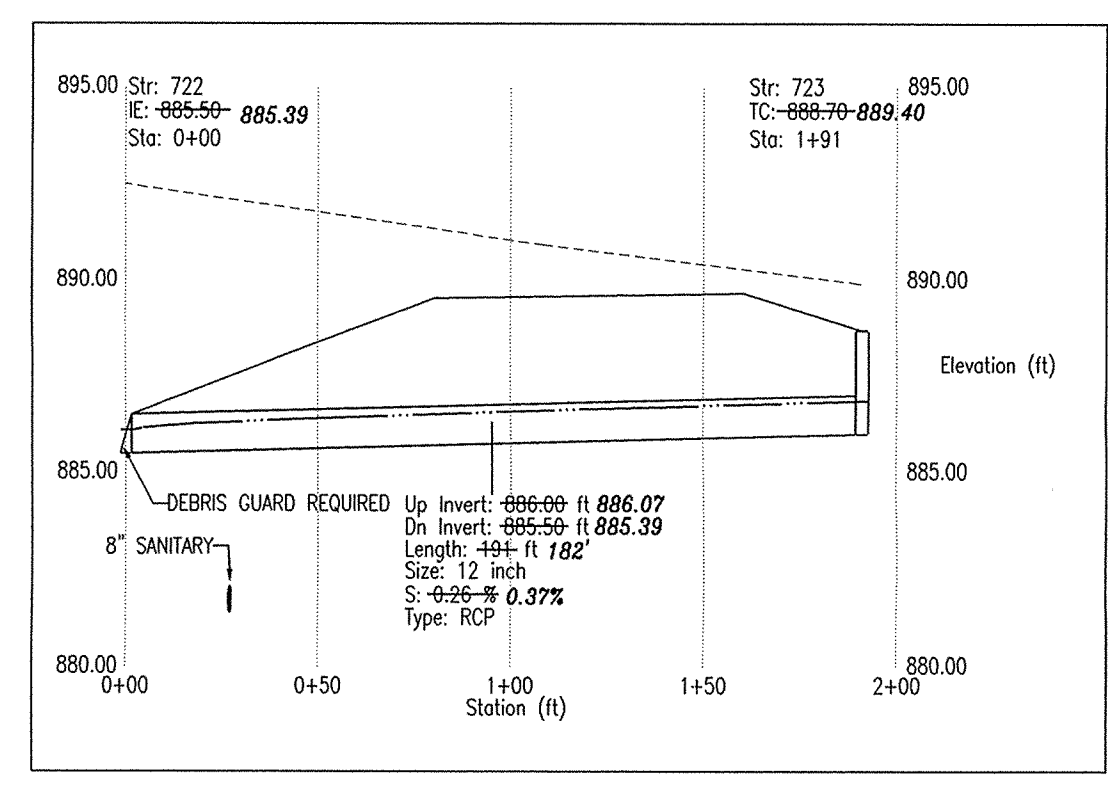
Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Quality Assurance: \_\_\_\_\_

Scale: 0' 1" = 50'  
Sheet: C504  
Date: 09-01-00  
Project Number: 000389-2000



PLAN 722-723

SCALE: 1" = 50'



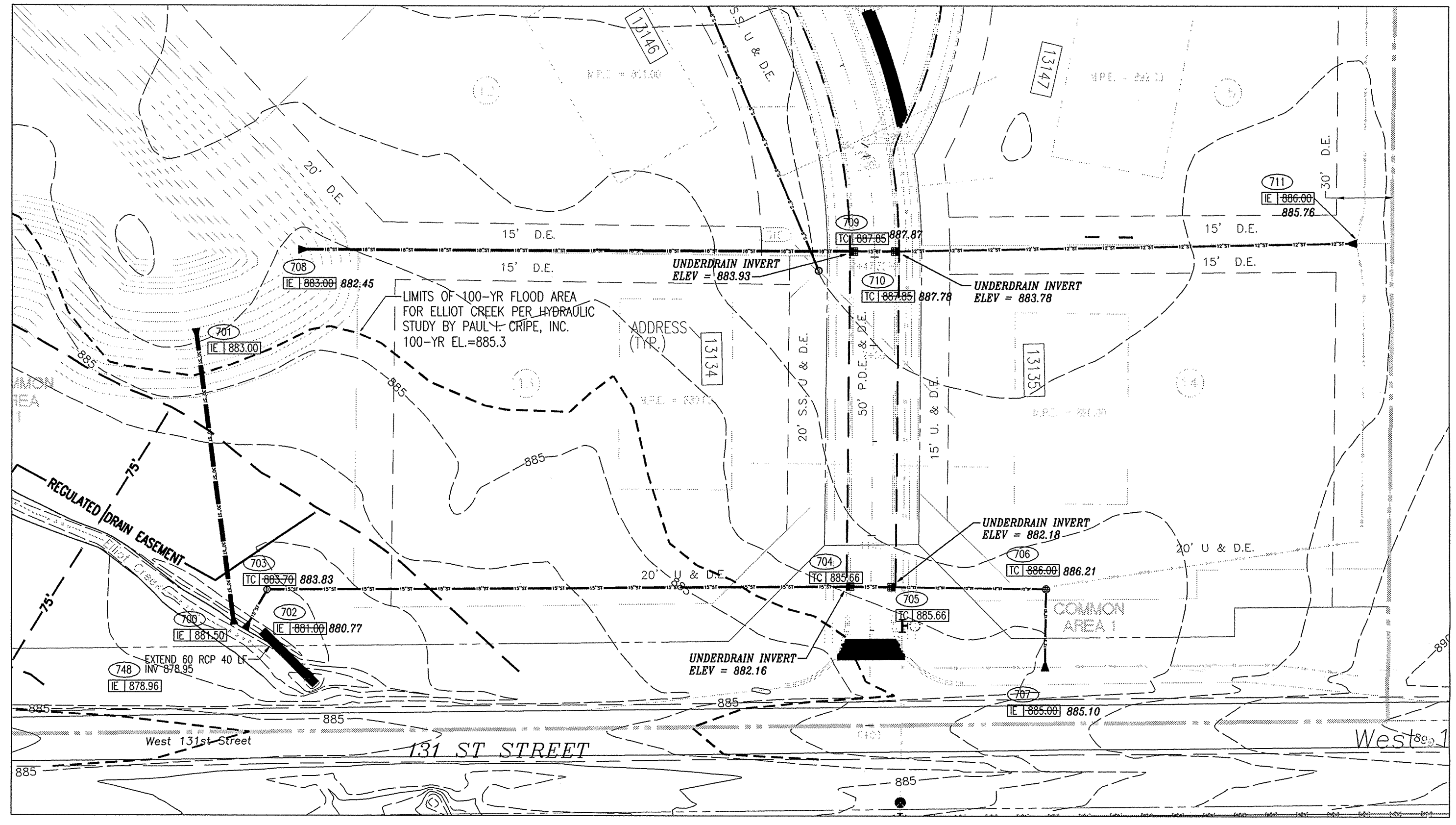
PROFILE 722-723

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

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

Entry Date: 9-15-03

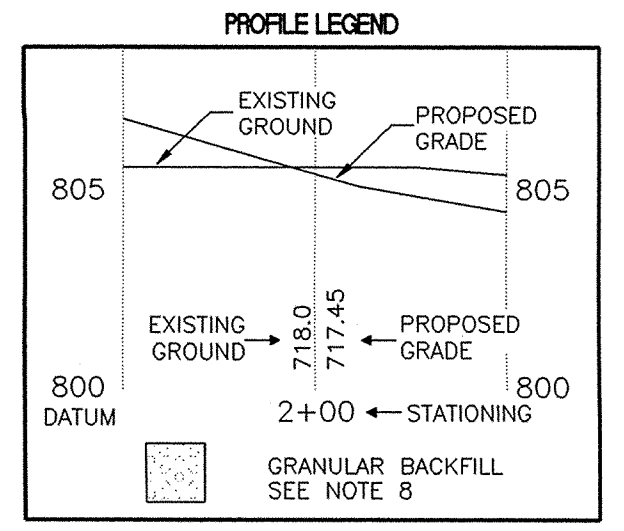
Entered by: J.E.S.



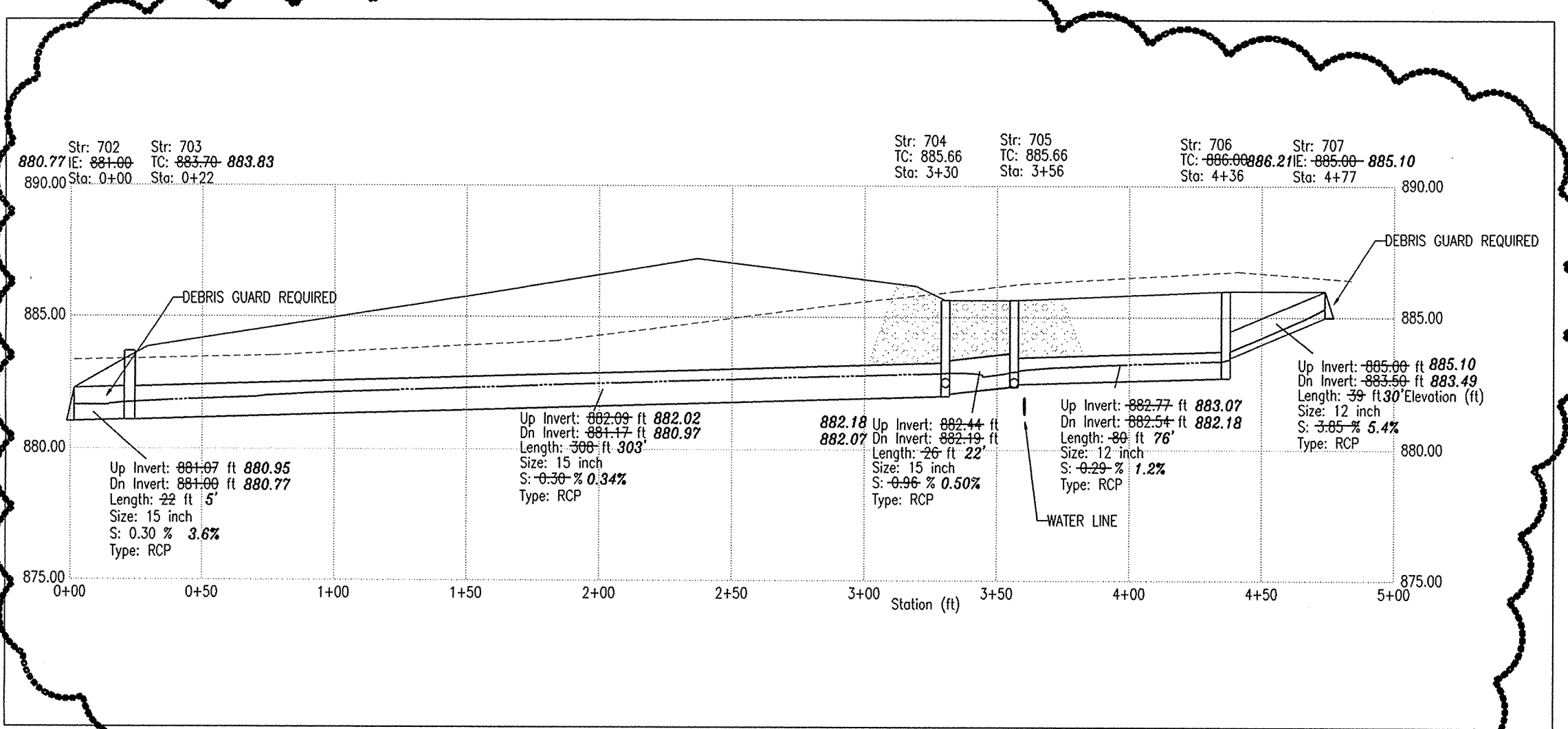
PLAN 700-701, PLAN 702-707 AND PLAN 708-711

SCALE: 1" = 50'

- STORM SEWER PLAN AND PROFILE NOTES**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
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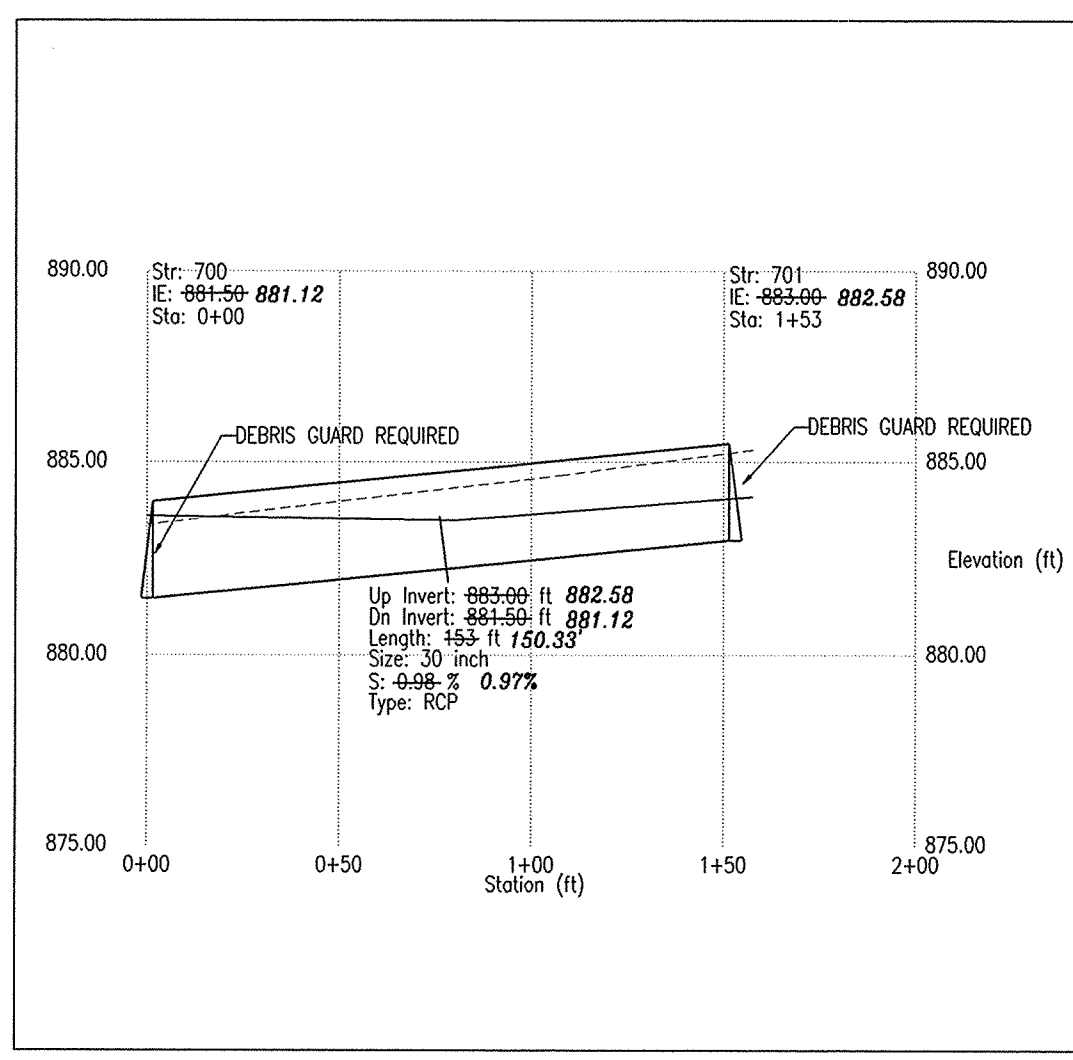


ENTIRE SHEET REISSUED  
-ADDED PIPE MATERIAL DESIGNATION  
-ADDED DEBRIS GUARDS TO PROFILES.



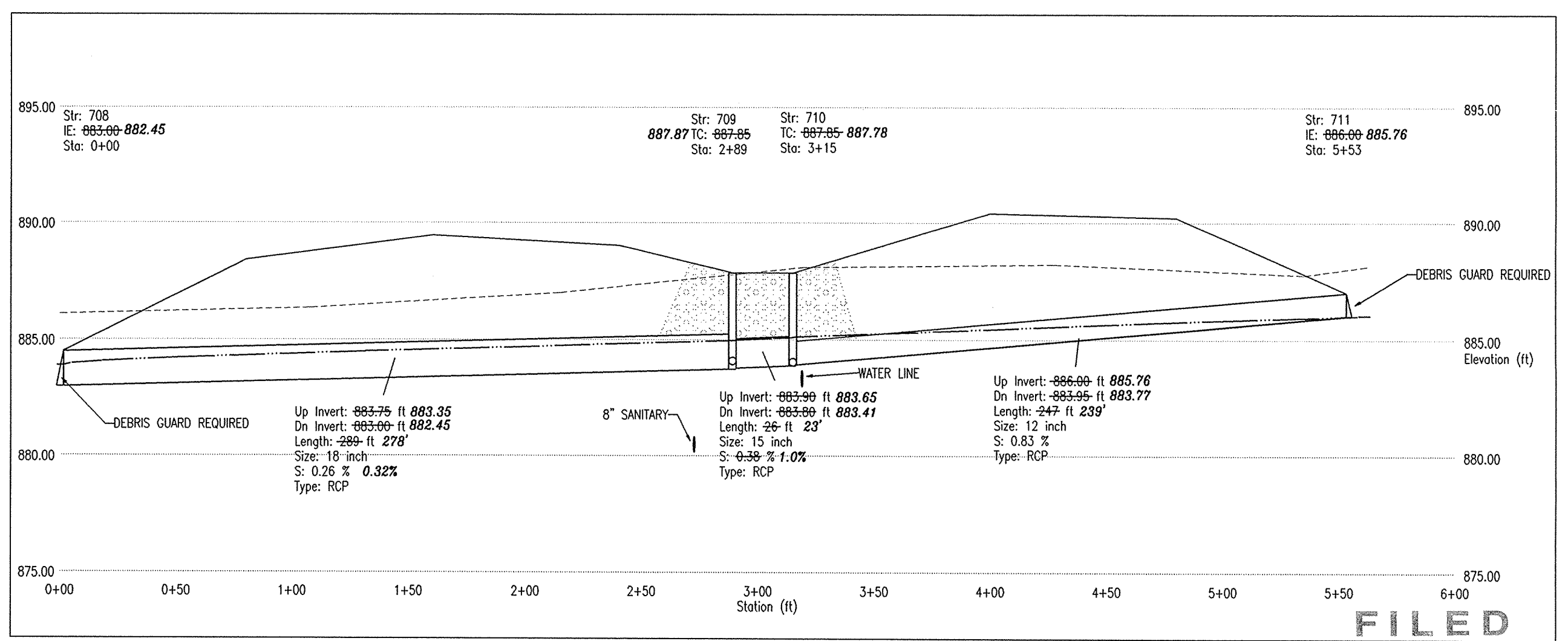
PROFILE 702-707

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



PROFILE 700-701

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



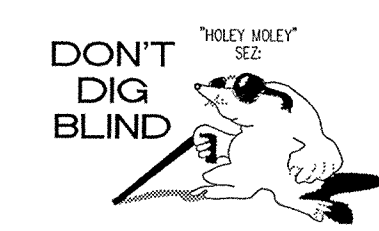
PROFILE 708-711

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

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REFERENCES : SHEET: SB-00389; W/23/TOPO; STM-PP;  
USER SETTING : USER: XX ALL RESOURCES VSD/ULY (Phone)  
FILE NAME : K30-0701-RESOURCES VSD/ULY (Phone)  
MRO/VJT : 30-SEP-02, 14:51:59 / DWG

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STORM SEWER PLAN AND PROFILE AS-BUILTS  
THE ESTATES OF CLAY WEST  
THE RESERVE AT SPRING MILL, L.P.  
PO BOX 554  
CARMEL, INDIANA 46082

PHONE: (317) 550-9983 FAX: (317) 550-9786

CERTIFIED BY:

TRENT E. NEWPORT  
REGISTERED  
19700381  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

Drawn By:

Checked By:

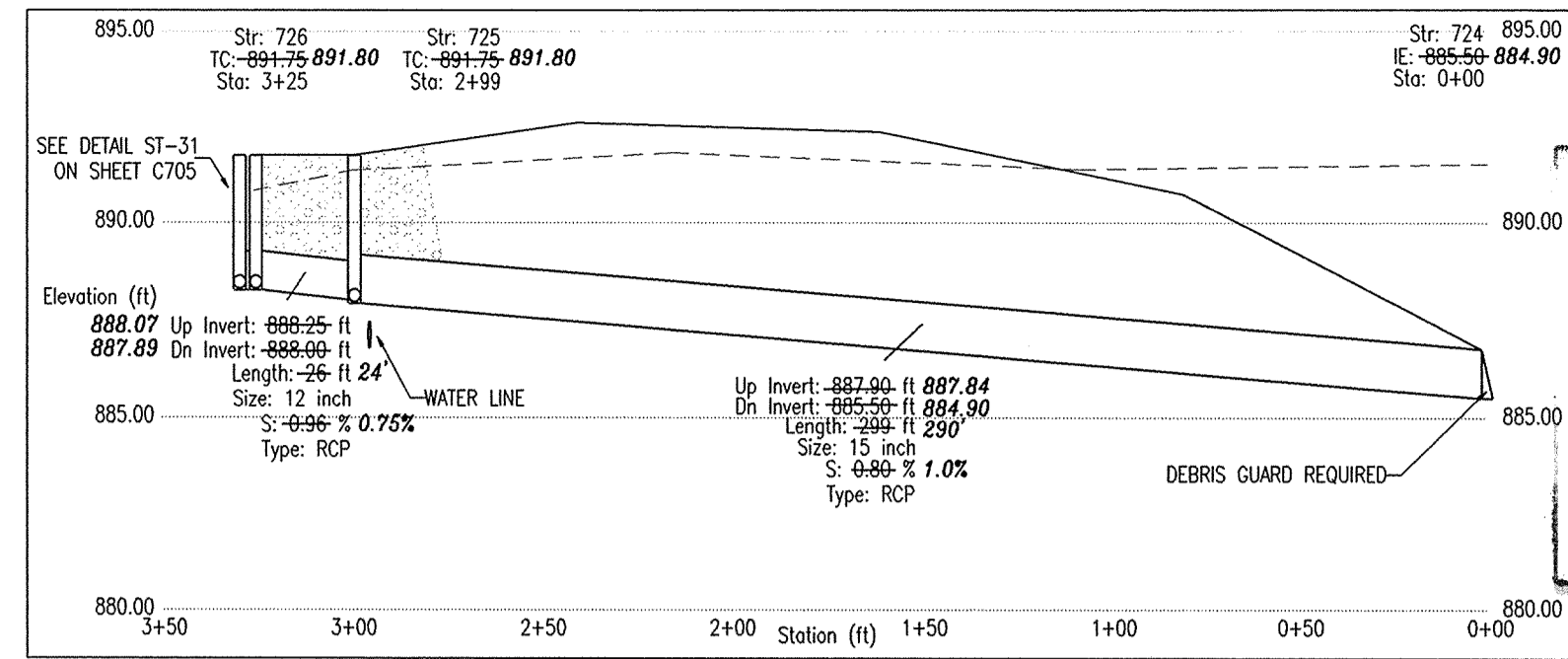
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Scale: 1" = 50'

Sheet: C701

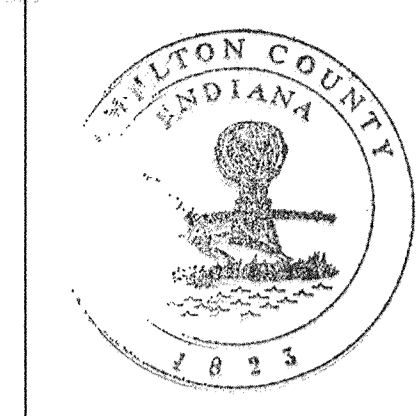
Date: 09-01-00

Project Number: 000389-20000



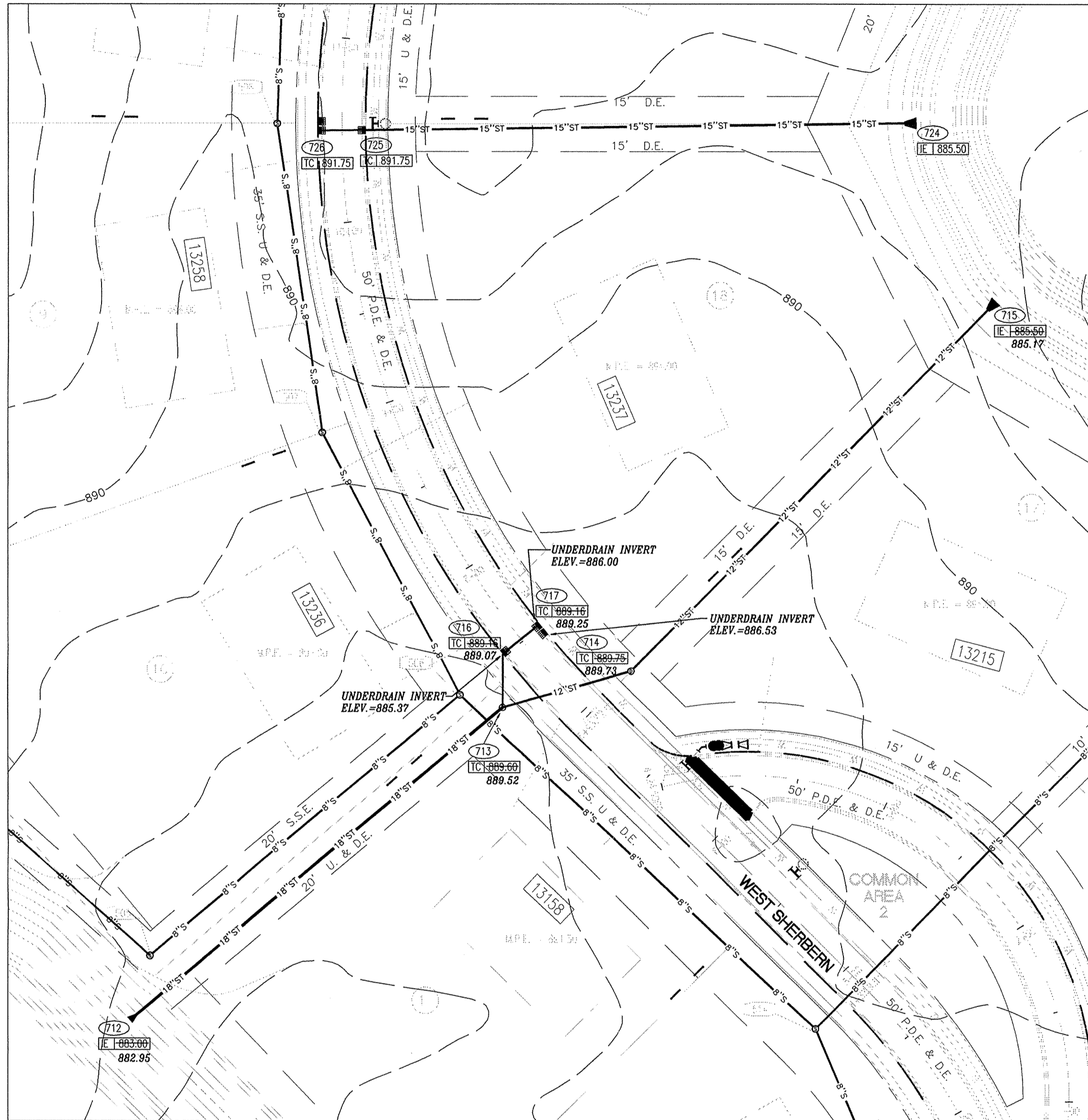
PROFILE 724-726

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



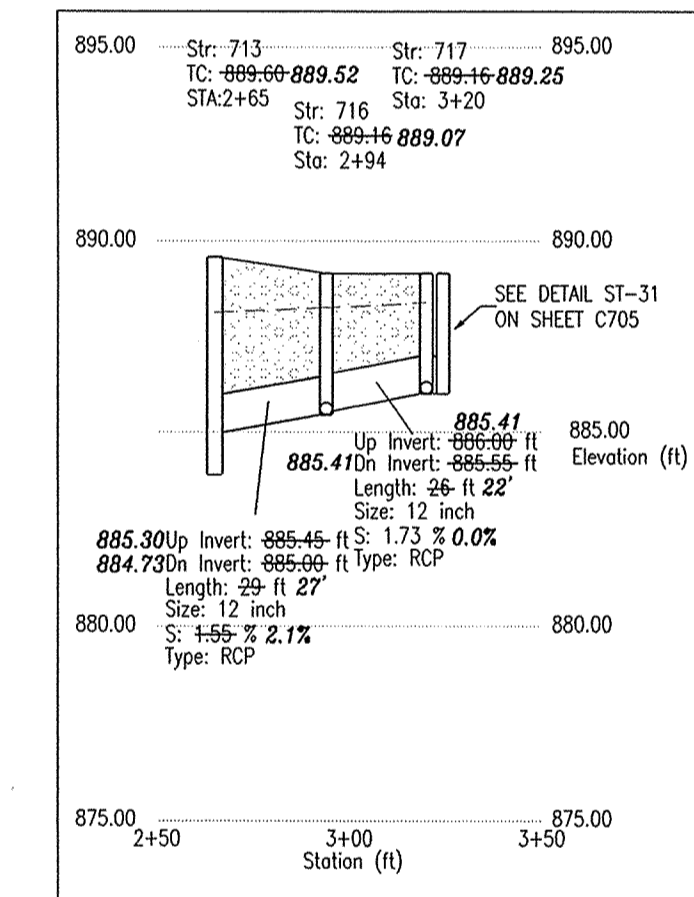
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Entry Date: 9-15-03  
Entered by: J.E.S.

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- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS. FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
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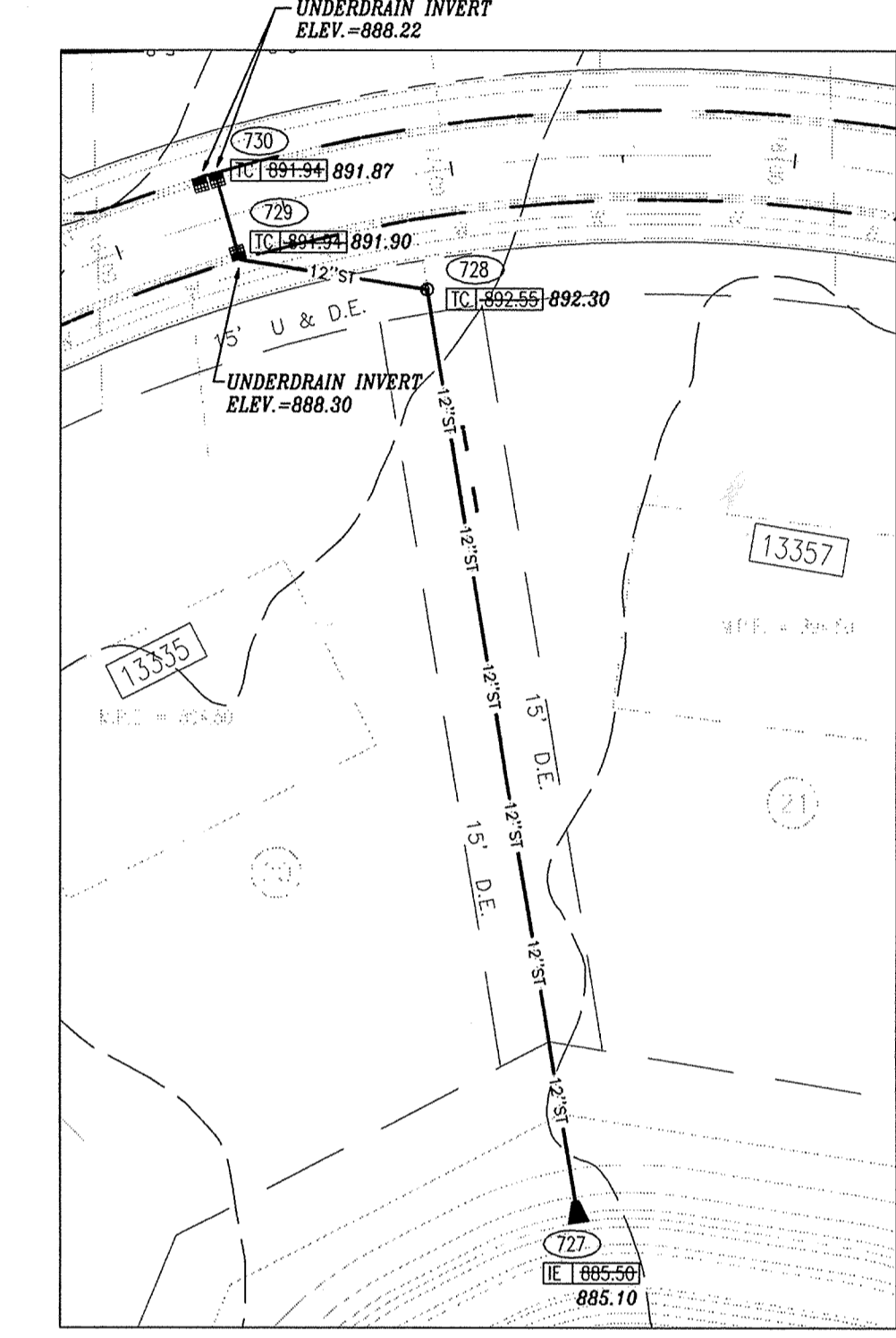
PLAN 712-715, PLAN 713-717 AND PLAN 724-746

SCALE: 1" = 50'



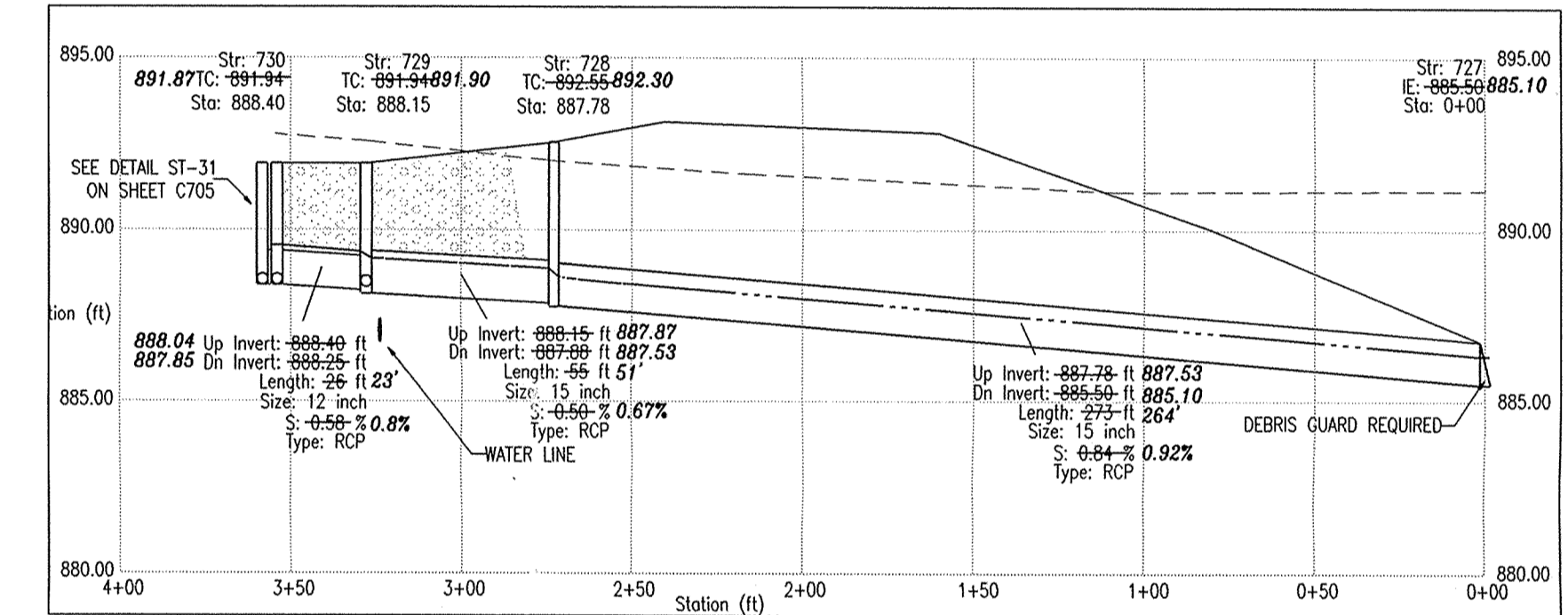
PROFILE 713-717

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



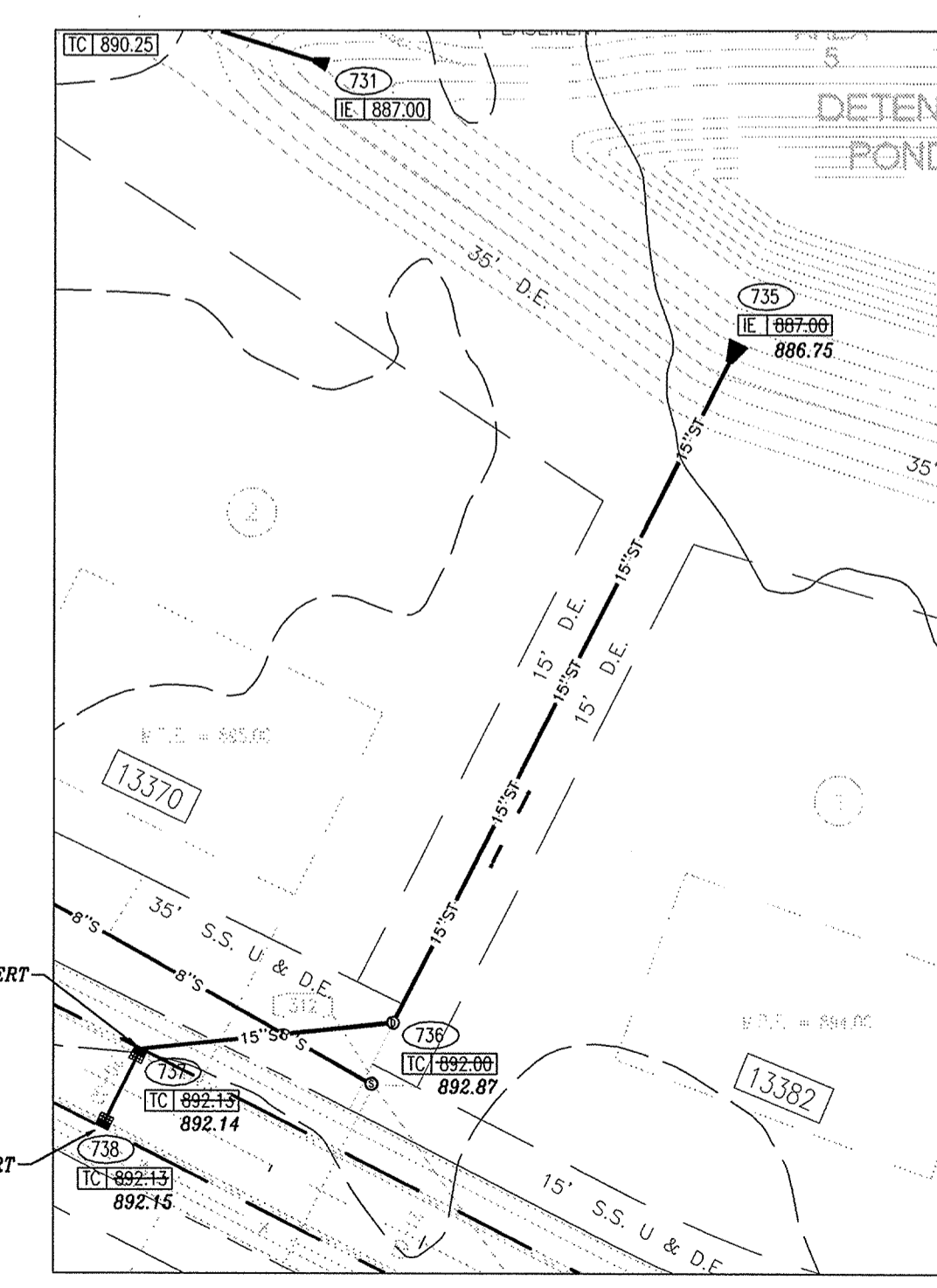
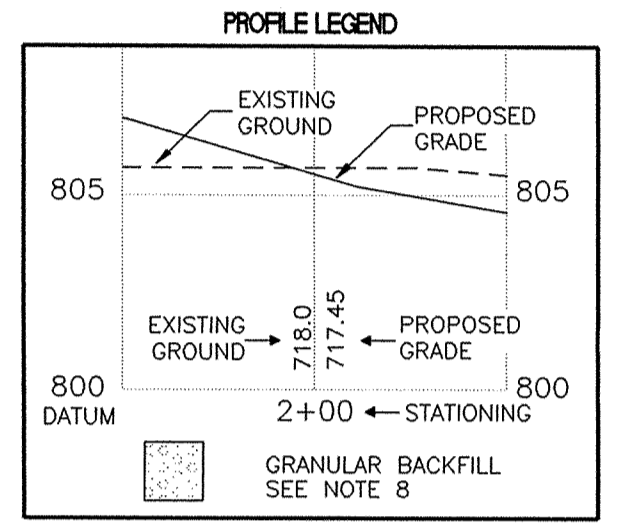
PLAN 727-730

SCALE: 1" = 50'



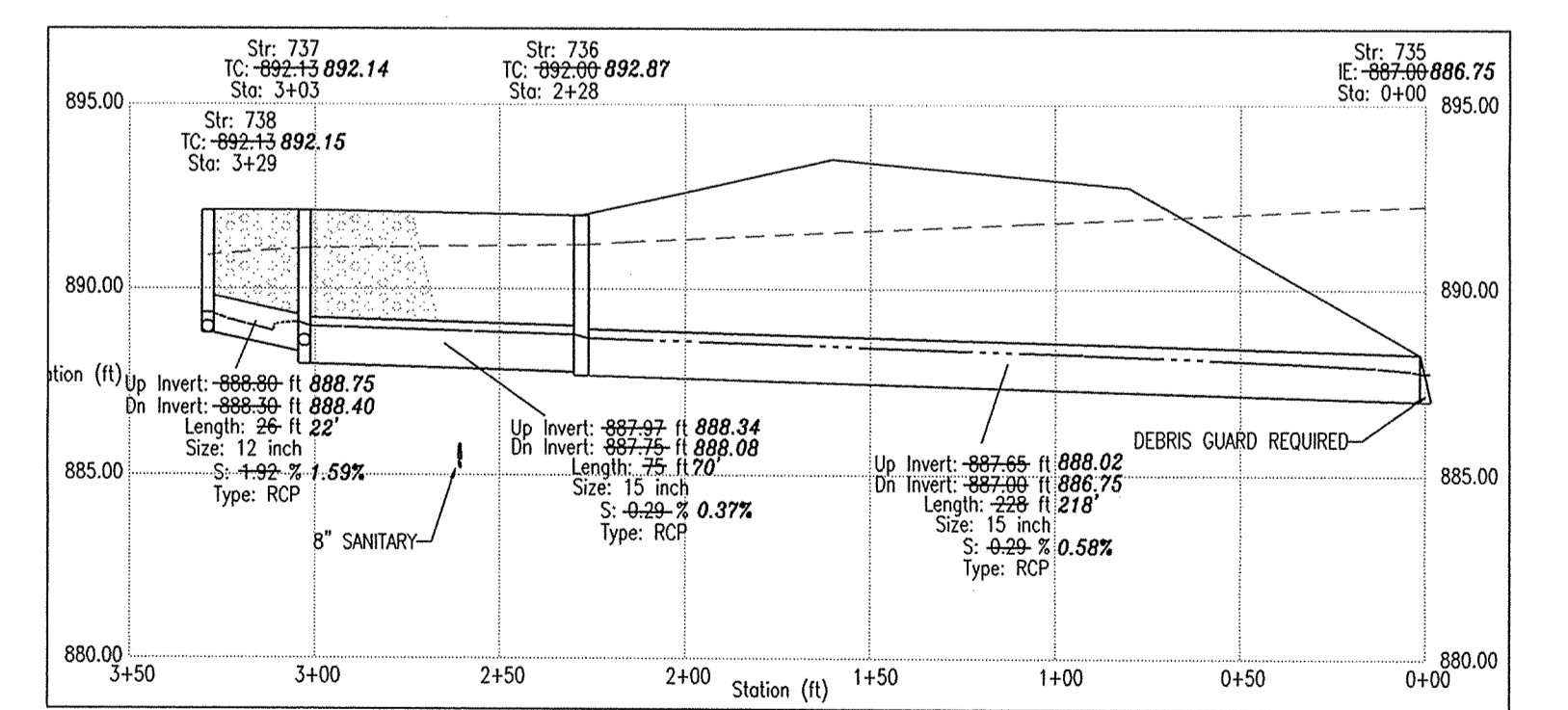
PROFILE 727-730

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



PLAN 735-738

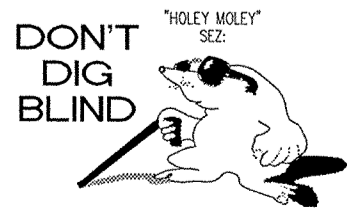
SCALE: 1" = 50'



PROFILE 735-738

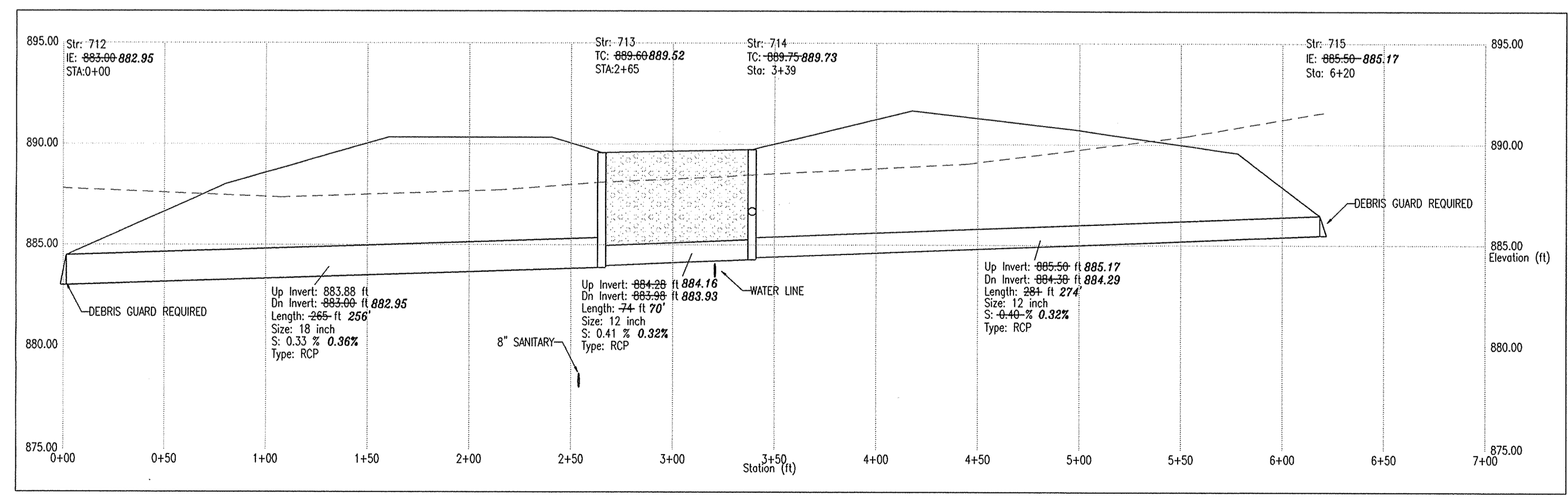
HOR. SCALE: 1" = 50'  
VER. SCALE: 1" = 5'

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PROFILE 712-715

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

REFERENCES: SURVEY: 05-00389, W7870PC, STM-PP, USER: JAX, ALL USER SETTINGS: P:\City\MapInfo\ASBULTY\Plans\4.52.08\4.52.08.MXD DATE: 20-SEP-02 4:52:08 / GWC

7172 GRAHAM ROAD  
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(317) 842-6777 FAX (317) 841-4798  
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STORM SEWER PLAN AND PROFILE AS-BUILTS  
THE ESTATES OF CLAY WEST  
THE RESERVE AT SPRING MILL, L.P.  
PO BOX 554  
CARMEL, INDIANA 46082

PHONE: (317) 580-9983 FAX: (317) 580-9786

CERTIFIED BY: TRENTE E. NEWPORT REGISTERED PROFESSIONAL ENGINEER 19700381 STATE OF INDIANA

Down By: Checked By: Quality Assurance: Scale: 1" = 50' Sheet: C702 Date: 09-01-00 Project Number: 000389-20000



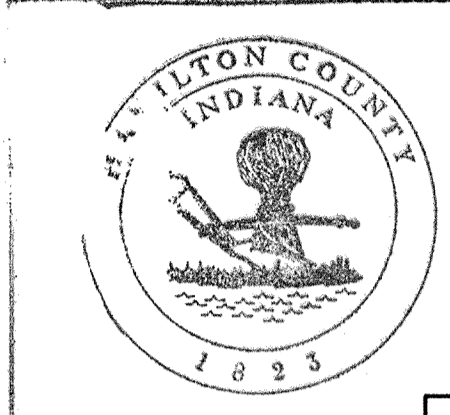
**PLAN 731-734**

SCALE: 1" = 50'



**STORM SEWER PLAN AND PROFILE NOTES**

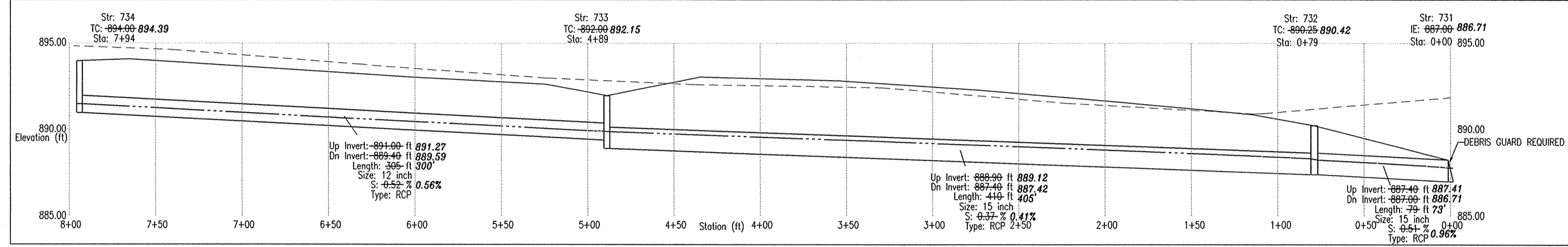
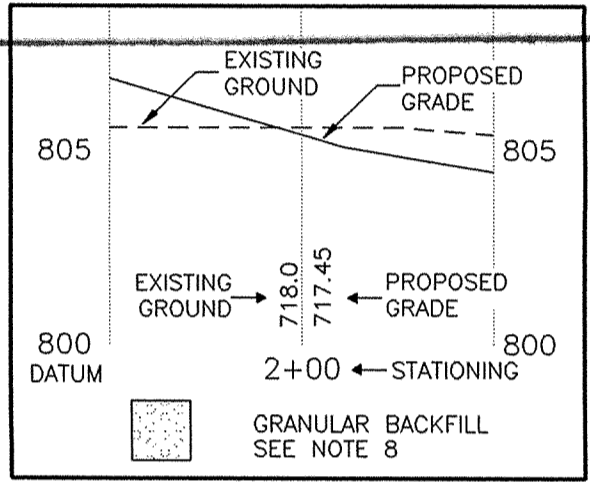
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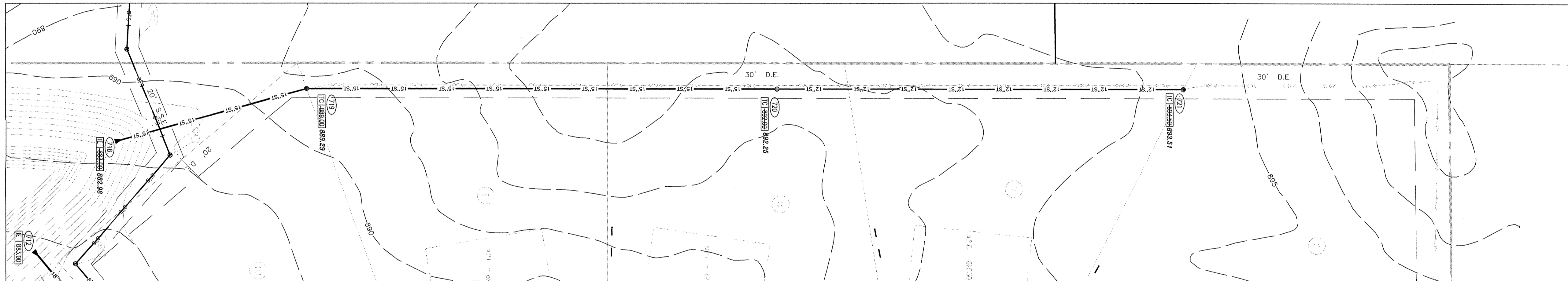
Entry Date: 9-15-03

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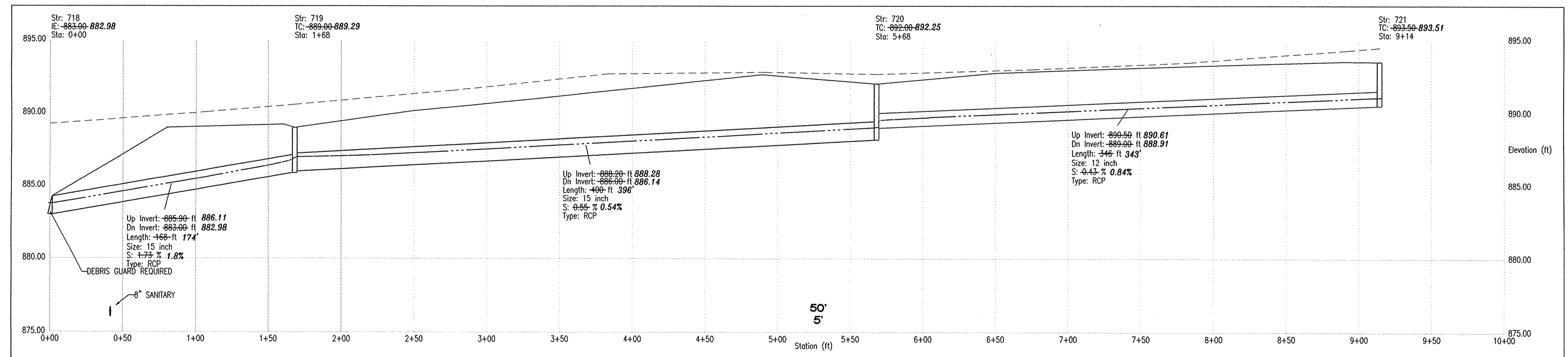
**PROFILE 731-734**

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



**PLAN 718-721**

SCALE: 1" = 50'



**PROFILE 718-721**

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

ENTIRE SHEET REISSUED  
-ADDED PIPE MATERIAL DESIGNATION  
-ADDED DEBRIS GUARDS TO PROFILES.

**FILED**  
OCT 04 2002  
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CARMEL, INDIANA 46082  
PHONE: (317)-586-9883  
FAX: (317)-586-9798

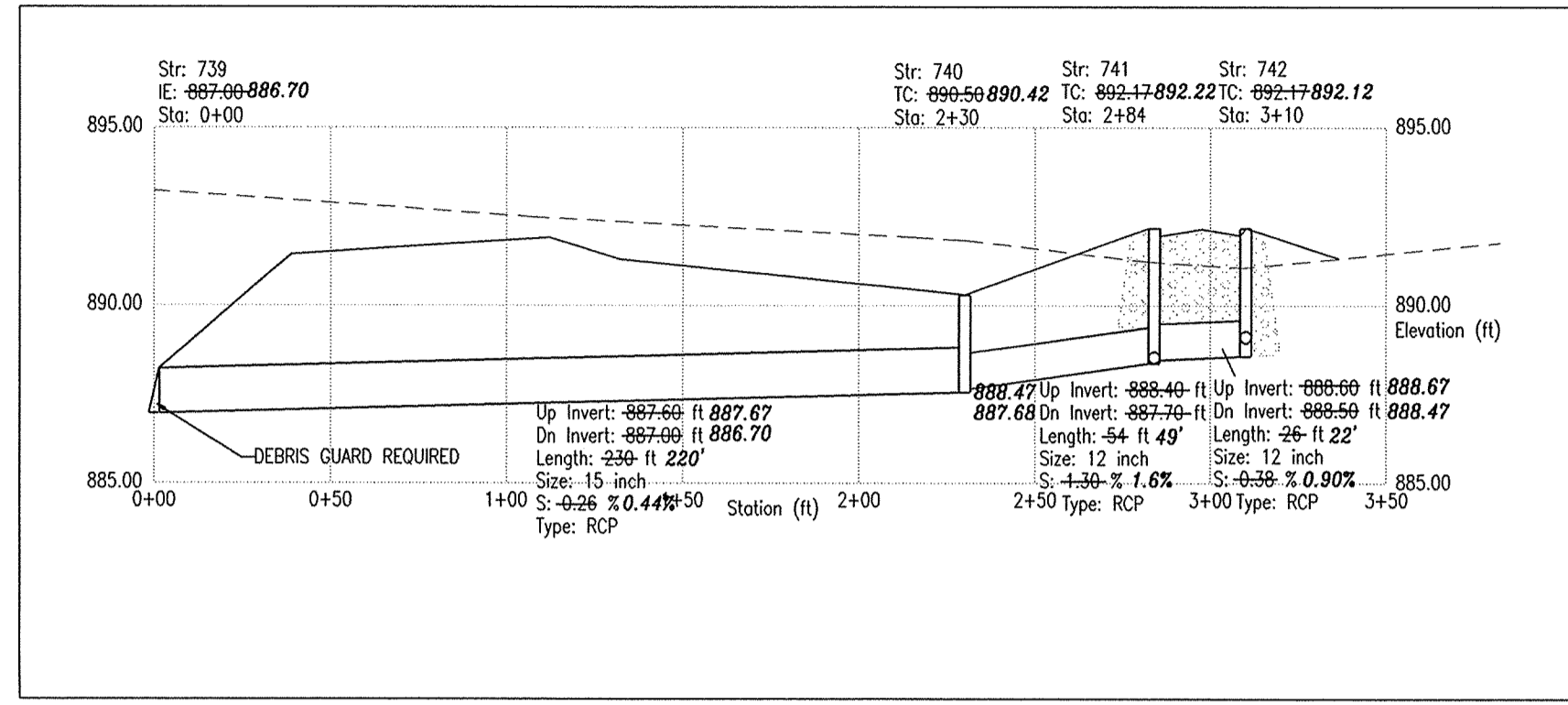
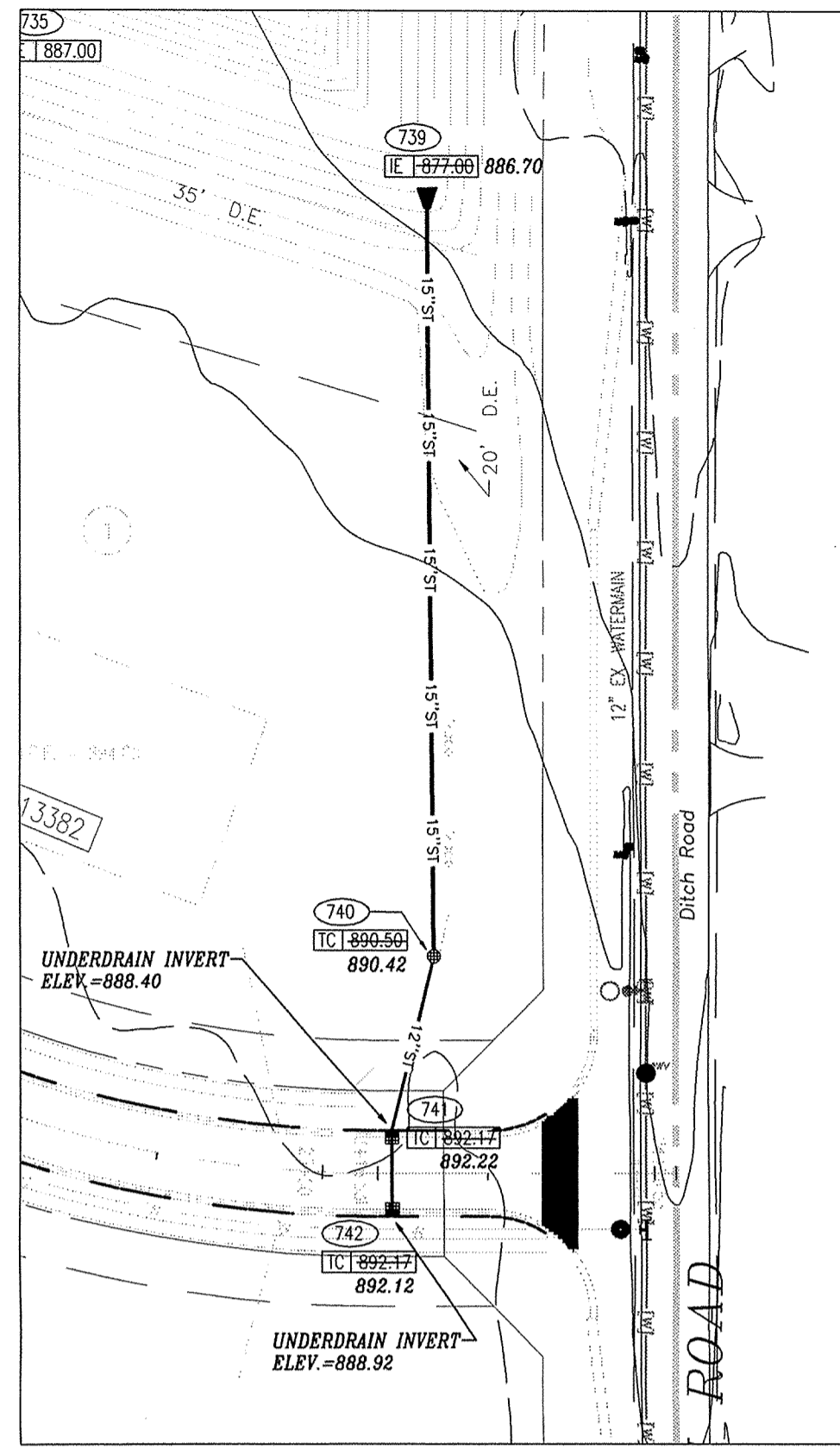
CERTIFIED BY:  
**TRENT E. NEWPORT**  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF INDIANA  
19700381

Drawn By:  
Checked By:  
Quality Assurance:  
Scale: 1" = 50'  
Sheet: **C703**  
Date: 09-01-00  
Project Number: 000389-20000

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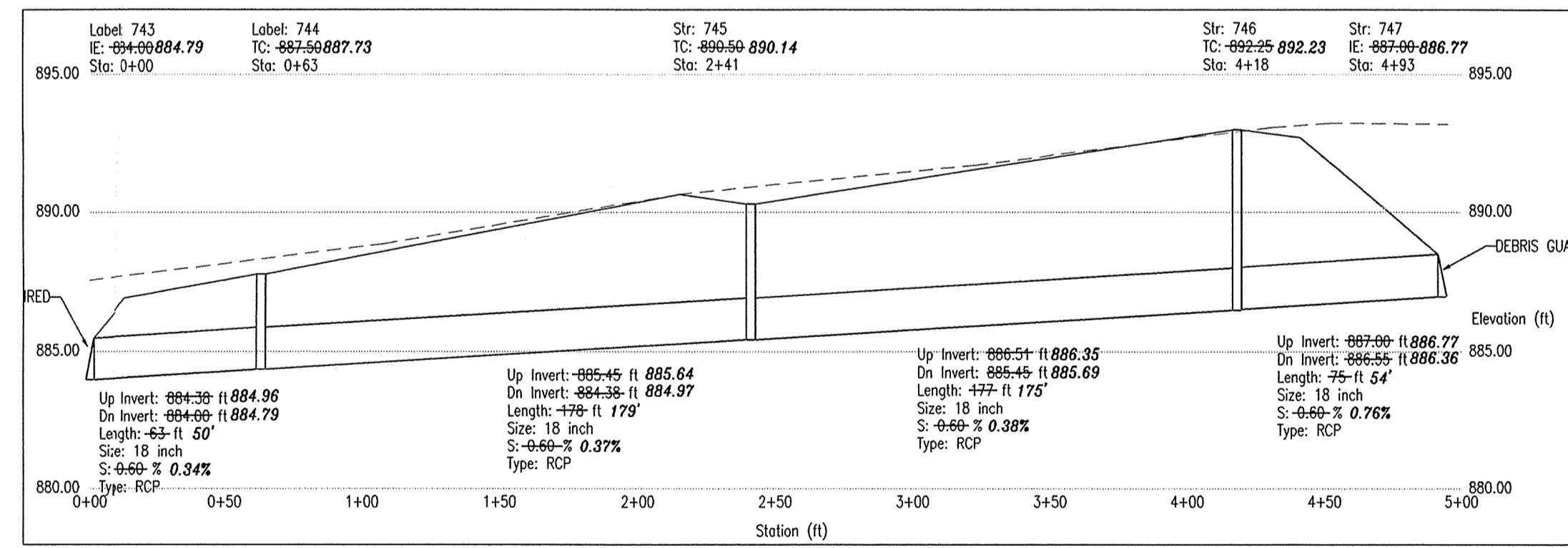
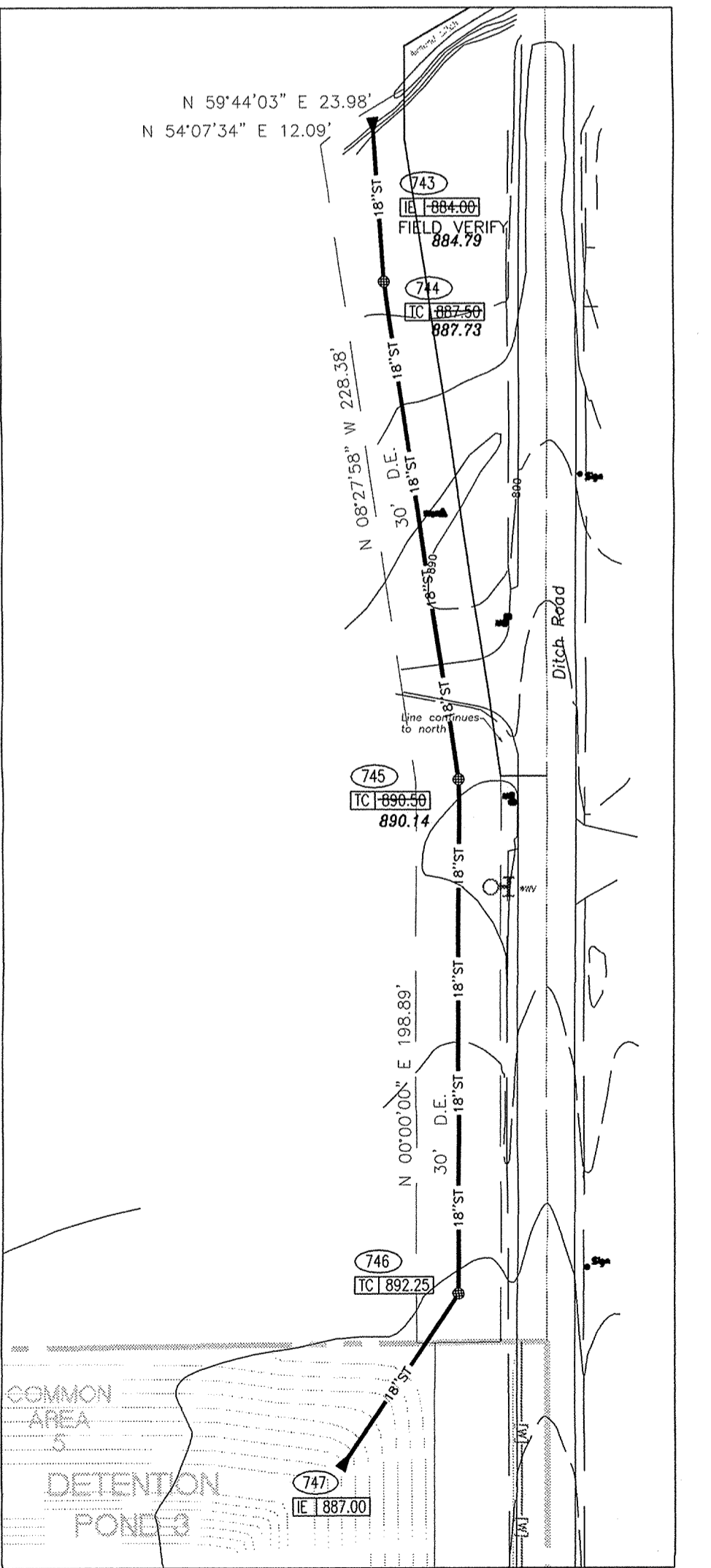
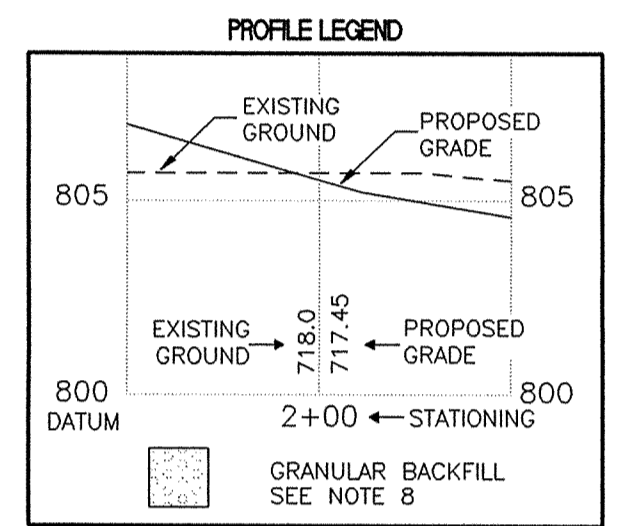
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E-Mail: picrpe@picrpe.com

REFERENCES:  
SHEET: SB-00389; W78370PO; SW-PP;  
USER: RESERVE  
DIRECTORY PATH: C:\Program Files\ESRI\MapInfo\MapInfo\MapInfo\ASBUILT\Plans\  
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DATE: 09-01-03 12:45:49 / JN



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Entry Date: 9-15-03  
Entered by: J.E.S.

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**STORM SEWER STRUCTURE DATA TABLE**

Structure Number	Structure Type	Depth (feet)	Detail	Castings	Description
700	Outlet	2.50	ST-3A	End Section	End Section
702	Outlet	3.00	ST-3A	End Section	Pond Outlet
703	Junction	2.63	ST-5-AM	R-1772-A	Solid Lid
704	Inlet	3.57	ST-5-AM	R-3501-N	Curb Inlet
705	Inlet	3.22	ST-5-AM	R-3501-N	Curb Inlet
706	Inlet	3.23	ST-5-AM	R-4342	Beehive
707	Inlet	-	ST-3A	End Section	End Section
708	Inlet	-	ST-3A	End Section	End Section
709	Inlet	4.10	ST-5-AM	R-3501-TR	Curb Inlet
710	Inlet	3.95	ST-5-AM	R-3501-TR	Curb Inlet
711	Inlet	2.55	ST-5-AM	R-4342	End Section
712	Outlet	-	ST-3A	End Section	End Section
713	Junction	5.72	ST-6	R-1772-A	Solid Lid
714	Junction	5.47	ST-6	R-1772-A	Solid Lid
715	Inlet	-	ST-3A	End Section	Pond Outlet
716	Inlet	3.71	ST-5-AM	R-3501-N	Curb Inlet
717	Inlet x 2	3.16	ST-31-AM	2x R-3501-N	2 Curb Inlets
718	Outlet	-	ST-3A	End Section	End Section
719	Inlet	3.10	ST-5-AM	R-4342	Beehive
720	Inlet	3.50	ST-5-AM	R-4342	Beehive
721	Inlet	3.00	ST-5-AM	R-4342	Beehive
722	Outlet	-	ST-3A	End Section	End Section
723	Inlet	3.00	ST-5-AM	R-4342	Beehive
724	Outlet	-	ST-3A	End Section	End Section
725	Inlet	3.85	ST-5-AM	R-3501-N	Curb Inlet
726	Inlet x 2	3.50	ST-31-AM	2x R-3501-N	2 Curb Inlets
727	Outlet	-	ST-3A	End Section	End Section
728	Junction	4.77	ST-6	R-1772-A	Solid Lid
729	Inlet	3.79	ST-6	R-3501-N	Curb Inlet
730	Inlet x 2	3.54	ST-31-AM	2x R-3501-N	2 Curb Inlets
731	Outlet	-	ST-3A	End Section	End Section
732	Junction	2.85	ST-5-AM	R-4342	Beehive
733	Inlet	3.10	ST-5-AM	R-4342	Beehive
734	Inlet	3.00	ST-5-AM	R-4342	Beehive
735	Outlet	-	ST-3A	End Section	End Section
736	Junction	4.35	ST-6	R-1772-A	Solid Lid
737	Inlet	4.16	ST-6	R-3501-N	Curb Inlet
738	Inlet	3.33	ST-5-AM	R-3501-N	Curb Inlet
739	Outlet	-	ST-3A	End Section	End Section
740	Inlet	2.70	ST-6	R-1772-A	Solid Lid
741	Inlet	3.77	ST-6	R-3501-N	Curb Inlet
742	Inlet	3.57	ST-5-AM	R-3501-N	Curb Inlet
743	Outlet	-	ST-3A	End Section	End Section
744	Inlet	3.12	ST-5-AM	R-4342	Beehive
745	Inlet	5.05	ST-6	R-4342	Beehive
746	Inlet	5.80	ST-6	R-4342	Beehive
747	Inlet	-	ST-3A	End Section	End Section
748	Inlet	-	ST-3A	End Section	End Section

**STORM SEWER PIPE DATA TABLE**

Upstream Node	Downstream Node	Section Size	Material	Length (ft)	Slope
701	700	30 inch	Concrete	153	0.98%
703	702	15 inch	Concrete	60	0.30%
704	703	15 inch	Concrete	258	0.30%
705	704	15 inch	Concrete	26	0.96%
706	705	12 inch	Concrete	80	0.29%
707	706	12 inch	Concrete	39	3.85%
708	707	18 inch	Concrete	289	0.26%
709	708	15 inch	Concrete	26	0.38%
710	709	15 inch	Concrete	238	0.33%
711	710	12 inch	Concrete	238	0.33%
713	712	18 inch	Concrete	265	0.33%
714	713	12 inch	Concrete	74	0.41%
715	714	12 inch	Concrete	281	0.40%
716	715	12 inch	Concrete	29	1.55%
717	716	12 inch	Concrete	26	1.73%
719	718	15 inch	Concrete	168	1.73%
720	719	15 inch	Concrete	400	0.52%
721	720	12 inch	Concrete	346	0.43%
723	722	12 inch	Concrete	191	0.26%
725	724	15 inch	Concrete	299	0.80%
726	725	12 inch	Concrete	26	0.96%
728	727	15 inch	Concrete	75	0.29%
729	728	15 inch	Concrete	55	0.50%
730	729	12 inch	Concrete	26	0.58%
732	731	15 inch	Concrete	79	0.51%
733	732	15 inch	Concrete	410	0.37%
734	733	12 inch	Concrete	395	0.52%
736	735	15 inch	Concrete	228	0.29%
737	736	15 inch	Concrete	75	0.29%
738	737	12 inch	Concrete	26	1.92%
740	739	15 inch	Concrete	230	0.26%
741	740	12 inch	Concrete	54	1.30%
742	741	12 inch	Concrete	28	0.38%
743	742	18 inch	Concrete	63	0.60%
745	744	18 inch	Concrete	178	0.60%
746	745	18 inch	Concrete	177	0.60%
747	746	18 inch	Concrete	75	0.60%
748	51	60 inch	Concrete	40	-

- NOTES:**
- THE DEPTH OF THE STRUCTURE IS CALCULATED FROM THE TC OR RIM ELEVATION TO THE INVERT ONLY.
  - THE PIPE LENGTHS ARE FROM THE CENTER OF THE STRUCTURE TO THE CENTER OF THE STRUCTURE AND INCLUDE END SECTIONS.
  - SEE STORM SEWER PLAN & PROFILES SHEETS TO CONFIRM PIPE LENGTHS AND STRUCTURE INFORMATION PRIOR TO FABRICATION.
  - HAMILTON COUNTY REGULATED DRAIN DESIGN DETAILS AND STANDARDS APPLY.
  - STRUCTURES DEEPER THAN 48" FROM TC OR RIM TO INVERT WILL BE A MANHOLE OR A BOX WITH STEPS UNLESS APPROVED.
  - COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.

ENTIRE SHEET REISSUED  
ADDED PIPE MATERIAL DESIGNATION  
ADDED DEBRIS GUARDS TO PROFILES.

ST-71 NO SCALE  
STORM STRUCTURE DATA

FILED  
OCT 04 2002  
OFFICE OF HAMILTON COUNTY SURVEYOR

1-800-382-5544  
1-800-428-5200  
FOR CALLS OUTSIDE OF INDIANA

CAUTION  
LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, valve, and meter nodes 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 IDENTIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

SHEET: SB-00389; W783TORC; STM-PP;  
DIRECTOR: PATH  
FILE: C:\Work\Estates\ASBULTY\Plans\SB-00389-01.dwg  
DATE: 12.15.15 / JN

**STORM SEWER PLAN AND PROFILE AS-BUILTS**  
THE ESTATES OF CLAY WEST  
THE RESERVE AT SPRING MILL, L.P.  
PO BOX 554  
CARMEL, INDIANA 46032  
PHONE: (317)-860-9893 FAX: (317)-860-9788

ARCHITECTURE  
LANDSCAPE ARCHITECTURE  
LAND PLANNING  
ENVIRONMENTAL CONSULTANTS  
TRANSPORTATION ENGINEERS  
GE

1712 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46250  
(317) 842-6777 FAX (317) 841-4798  
E-Mail: pcrpe@pcrpe.com

CERTIFIED BY:  
 TRENT E. NEWPORT REGISTERED PROFESSIONAL ENGINEER  
Drawn By:  
Checked By:  
Quality Assurance:  
Scale: 0 1" = 50'  
Sheet: C704  
Date: 09-01-00  
Project Number: 000389-20000