

Drain: JW BRENOLLE DRAIN **Drain #:** 77
Improvement/Arm: SHELBORNE PARK - SECTION 4
Operator: JDH **Date:** 10-21-03
Drain Classification: Urban/Rural **Year Installed:** 2002

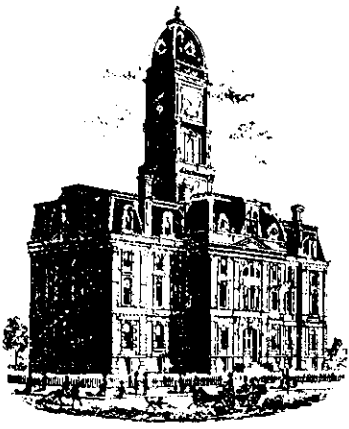
GIS Drain Input Checklist

- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains SLW 6-14-2004
- Digitize & Attribute SSD SLW 6-14-2004
- Digitize & Attribute Open Ditch N/A
- Sum drain lengths & Validate SLW 6-14-2004
- Enter Improvements into Posse JPA 10-21
- Enter Drain Age into Posse SLW 6-14-2004
- Sum drain length for Watershed in Posse SLW 6-14-2004
- Stamp Plans SLW 6-14-2004
- Pull Source Documents for Scanning JPA 10-21

Drain: J.W. BRENDEL **Drain #:** 77
Improvement/Arm: _____
Operator: J. LIVINGSTON **Date:** 10-22-03
Drain Classification: Urban/Rural **Year Installed:** 1909

GIS Drain Input Checklist

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



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

November 21, 2002

To: Hamilton County Drainage Board

Re: J. W. Brendle Drain, Shelborne Park Section 1 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Shelborne Park Section 1 Arm, J. W. Brendle 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	6,630 ft	18" RCP	303 ft	27" RCP	330 ft
12" RCP	919 ft	21" RCP	106 ft	33" RCP	919 ft
15" RCP	514 ft	24" RCP	281 ft	42" RCP	448 ft

The total length of the drain will be 10,450 feet.

The retention ponds (lakes) located in Common Area number 2 and 3 will be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance, such as mowing, of the ponds (lakes) will be the responsibility of the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines, which are located within the right of way, are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

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 \$65.00 per lot, \$10.00 per acre for roadways and common areas with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$2,265.90.

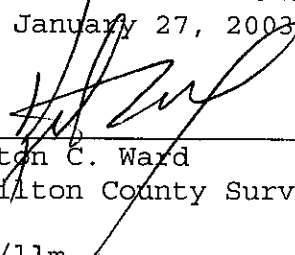
Parcels assessed for this drain may be assessed for the Long Branch Drain at sometime in the future. Parcels assessed for this drain will also be assessed for the J. W. Brendle Drain.

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above-proposed drain that the Board also approve the attached non-enforcement request. This request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Shelborne Park Section 1 as recorded in the office of the Hamilton County Recorder.

Along with the easements shown on the secondary plat for Shelborne Park Section 1 will be additional easement on tracts 17-09-29-00-00-006.001, 17-09-29-00-00-006.000 and 17-09-29-00-00-006.101 all owned by Robert R. Goold, 3000 131st Street, Carmel IN 46032. This shall be for the joint lake for Sedgwick and Shelborne Park Subdivisions. The easement shall be 75 feet as measured at right angles from the top of bank from the joint lake. Also, the drain shall run through Common Area number 2 to the lakes within Hayden Run Section 1.

I recommend the Board set a hearing for this proposed drain for January 27, 2003.



Kenton C. Ward
Hamilton County Surveyor

KCW/llm

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

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

In the matter of Shelborne Park Subdivision, Section 1 Drain
Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Shelborne Park a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefitted thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.


2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.

FILED
JUN 25 2002
OFFICE OF HAMILTON COUNTY SURVEYOR

536

3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain File.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioner cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.



Roger Kessler
Printed Name

Signed

Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE 4/27/02

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

J. W. Brendle Drain, Shelborne Park Section 1 Arm

On this *27th day of January 2003*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *J. W. Brendle Drain, Shelborne Park Section 1 Arm*.

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

HAMILTON COUNTY DRAINAGE BOARD



President

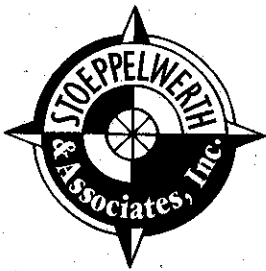


Member



Member

Attest. 



CONSULTING ENGINEERS
LAND SURVEYORS

R.M. Stoepelwerth, PE, PLS • David J. Stoepelwerth, PE, PLS • Curtis C. Huff, PLS • Dennis D. Olmstead, PLS • Jeffery W. Darling, PLS

July 22, 2002

Hamilton County Surveyor
One Hamilton County Square
Suite 188
Noblesville, Indiana 46060

Attention: Steve Cash

Re: Shelborne Park, Section 1

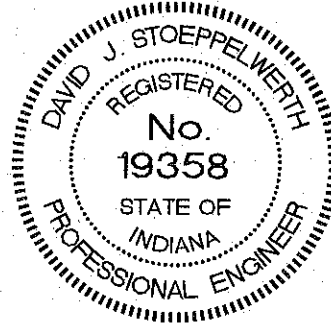
Dear Mr. Cash:

Please accept the following Engineer's Estimate for Shelborne Park, Section 1. The estimates is as follows:

Storm, including Sub-Surface Drains.	\$193,806.67
Erosion Control - Section 1	\$38,160.00
Erosion Control - Section 2	\$13,350.00
Monumentation	\$2,700.00

Witness my signature this 22nd day of July, 2002.

David J. Stoepelwerth
Professional Engineer
No. 19358



Cc: John Maren
S/42265/Agency

BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

ATTEST: Robin M Mues
HAMILTON COUNTY AUDITOR

Sharon Clark
Steve O'Hall
John C. Dellinger
DATE 8-12-02

IRREVOCABLE STANDBY LETTER OF CREDIT

ISSUE DATE: July 26, 2002

ISLOC No. 99000202111(1)

BENEFICIARY:

APPLICANT:

Hamilton County Board of Commissioners
RE: Storm Water System including
installation and materials at
Shelborne Park

Shelborne Park, LLC
10200 Lantern Road
Fishers, IN 46038

AMOUNT: \$ 193,806.67

EXPIRATION DATE: July 26, 2003

Gentlemen:

We hereby establish our Irrevocable Standby Letter of Credit No. 99000202111(1) in your favor for the account of Shelborne Park, LLC, in the amount of **\$193,806.67**, available upon presentation of your draft(s) drawn on Home Federal Savings Bank at sight and accompanied by:

- (1) A statement executed by an authorized officer of the Hamilton County Board of Commissioners certifying that Shelborne Park, LLC, has failed to perform its obligation and that such failure entitles Hamilton County Board of Commissioners to draw on Irrevocable Standby Letter of Credit Number 99000202111(1); and
- (2) Original of this Irrevocable Standby Letter of Credit.

We engage with you that draft(s) drawn under and in accordance with the terms of this Letter of Credit shall be duly honored upon presentation and delivery of documents as specified above if drawn and negotiated on or before the expiration date indicated above.

Draft(s) must be marked "Drawn on Home Federal Savings Bank, Irrevocable Standby Letter of Credit Number 99000202111(1)."

Except so far as otherwise stated, this Irrevocable Standby Letter of Credit is subject to the "Uniform Customs and Practice for Documentary Credit (1994) Revision," International Chamber of Commerce Publication No. 400.

HOME FEDERAL SAVINGS BANK

A. Edward Mantel, Jr.
A. Edward Mantel, Jr.
Assistant Vice President

RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT

HAMILTON COUNTY BOARD OF COMMISSIONERS
BY: Steve O'Hall
BY: John C. Dellinger
BY: Shelborne Park, LLC

ATTEST: Robin M Mues
HAMILTON COUNTY AUDITOR

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

ATTEST: Robin M Meele
HAMILTON COUNTY AUDITOR

DATE: 8/2/02

IRREVOCABLE STANDBY LETTER OF CREDIT

ISSUE DATE: July 26, 2002

ISLOC No. 99000202111(3)

BENEFICIARY:

APPLICANT:

Hamilton County Board of Commissioners
RE: Erosion Control, Section I at
Shelborne Park

Shelborne Park, LLC
10200 Lantern Road
Fishers, IN 46038

AMOUNT: \$ 38,160.00

EXPIRATION DATE: July 26, 2003

Gentlemen:

We hereby establish our Irrevocable Standby Letter of Credit No. 99000202111(3) in your favor for the account of Shelborne Park, LLC, in the amount of **\$38,160.00**, available upon presentation of your draft(s) drawn on Home Federal Savings Bank at sight and accompanied by:

- (1) A statement executed by an authorized officer of the Hamilton County Board of Commissioners certifying that Shelborne Park, LLC, has failed to perform its obligation and that such failure entitles Hamilton County Board of Commissioners to draw on Irrevocable Standby Letter of Credit Number 99000202111(3); and
- (2) Original of this Irrevocable Standby Letter of Credit.

We engage with you that draft(s) drawn under and in accordance with the terms of this Letter of Credit shall be duly honored upon presentation and delivery of documents as specified above if drawn and negotiated on or before the expiration date indicated above.

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HOME FEDERAL SAVINGS BANK

A. Edward Mantel, Jr.

A. Edward Mantel, Jr.
Assistant Vice President

RELEASE OF MAINTENANCE/PERFORMANCE BOND
RELEASE OF LETTER OF CREDIT

HAMILTON COUNTY BOARD OF COMMISSIONERS

BY: _____
BY: _____
BY: _____

ATTEST: Robin M Meele
HAMILTON COUNTY AUDITOR

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Shelborne Park, Section 1

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 subdivision.
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision.
4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.

Signature: Jeffery W. Darling Date: 1/02/03

Type or Print Name: JEFFERY W. DARLING

Business Address: STOEPPELWERTH & ASSOCIATES, INC.

9940 ALLISONVILLE ROAD FISYERS, IN. 46038

Telephone Number: (317) 849-5935

SEAL



INDIANA REGISTRATION NUMBER

900017

FILED
JAN 03 2003
OFFICE OF HAMILTON COUNTY SURVEYOR



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

June 14, 2004

Re: JW Brendle Drain: Shelborne Park Section 1

Attached are as-builts, certificate of completion & compliance, and other information for Shelborne Park Section 1. 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 November 21, 2002. The report was approved by the Board at the hearing held January 27, 2003. (See Drainage Board Minutes Book 6, Pages 534-536)

The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:
810		904.94					
811		904.93	24	181	0		
801		904.86					
800		902.94	36	256	0.75	265-33"	-10
818	910.09	907.23					
817	910.57	906.51	15	228	0.32		
817	910.57	906.51					
814	912.52	906.01	15	136	0.37	135	1
814	912.52	906.01					
813	912.39	905.92	18	30	0.3		
813	912.39	905.92					
812		904.91	18	61	1.66		
825	911.45	906.27					
824	911.79	905.89	42	128	0.3	130	-2
824	911.79	905.89					
822	911.76	905.77	42	30	0.4		
822	911.76	905.77					
821	911.27	905.33	42	164	0.27		
821	911.27	905.33					
820	911.27	905.22	42	36	0.31		
820	911.27	905.22					
819		904.85	42	88	0.42		
805	910.31	907.74					

804	912.91	907.27	12	116	0.41	117	-1
804	912.91	907.27					
803	912.94	907.06	12	50	0.42		
803	912.94	907.06					
802		904.87	12	74	2.96		
809	912.5	909.26					
808	912.49	909.09	12	30	0.57		
808	912.49	909.09					
807	912.68	908.83	12	56	0.46		
807	912.68	908.83					
806		904.85	12	92	4.33	91	1
835	911.12	908.22					
834	912.11	907.8	12	141	0.3	140	1
834	912.11	907.8					
833	912.17	907.67	15	30	0.43		
833	912.17	907.67					
829	911.21	907.19	18	152	0.32	151	1
823	909.35	906.34					
822A	910.9	905.22	12	225	0.5	226	-1
822A	910.9	905.22					
821A		904.84	21	103	0.37	106	-3
836	913.23	908.26					
829	911.21	907.19	27	328	0.33	330	-2
829	911.21	907.19					
825	911.45	906.27	36	322	0.29	320	2
828A		910.1					
828	911.12	907.28	24	105	2.69	100	5
828	911.12	907.28					
827	912.28	906.91	36	137	0.27	139	-2
827	912.28	906.91					
826	912.25	906.87	36	30	0.13	30-33"	6
826	912.25	906.87					
825	911.45	906.27	36	166	0.36	165-33"	1
832		909.92					
831	911.94	908.11	12	134	1.35	135	-1
831	911.94	908.11					
830	911.82	907.89	15	30	0.73		
830	911.82	907.89					
829	911.21	907.19	18	152	0.46		

6" SSD Streets:

Bellshire Ln.	737.5
Beckwith Dr.	1448
Tuscany Dr.	900.5

RCP Pipe Totals:

12	918
15	424
18	395
21	103
24	286
27	328

Totalx2: 6172

36	911
42	446
Total:	<u>3811</u>

The length of the drain due to the changes described above is now **9983 feet**.

The non-enforcement was approved by the Board at its meeting on January 27, 2003 and recorded under instrument #200300011408.

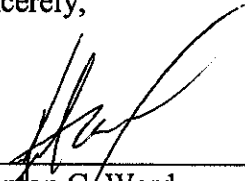
The following sureties were guaranteed by Home Federal Savings Bank and released by the Board on its January 27, 2003 meeting.

Bond-LC No: 99000202111(1)
Insured For: Storm Sewers
Amount: \$193,806.67
Issue Date: July 26, 2002

Bond-LC No: 99000202111(3)
Insured For: Erosion Control
Amount: \$38,160.00
Issue Date: July 26, 2002

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

Sincerely,



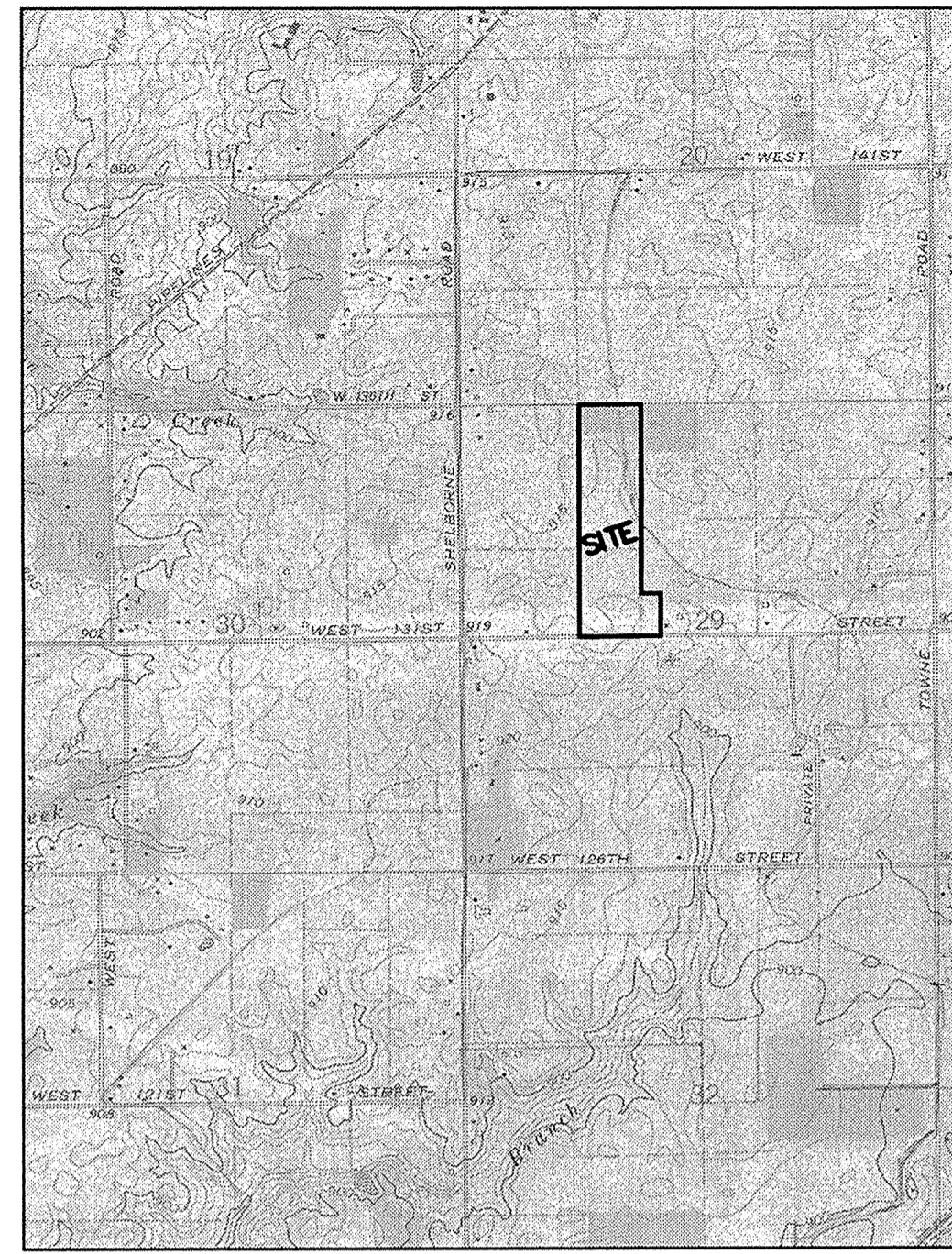
Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

SHELBORNE PARK SECTION ONE

Developed by:
SHELBORNE PARK, L.L.C.
10200 LANTERN ROAD
FISHERS, INDIANA 46038
(317)-570-7250

CONTACT PERSON: ROGER KESSLER



LOCATION MAP



SOILS MAP

CrA CROSBY SILT LOAM
Br BROOKSTON
MmB2 MIAMI SILT LOAM

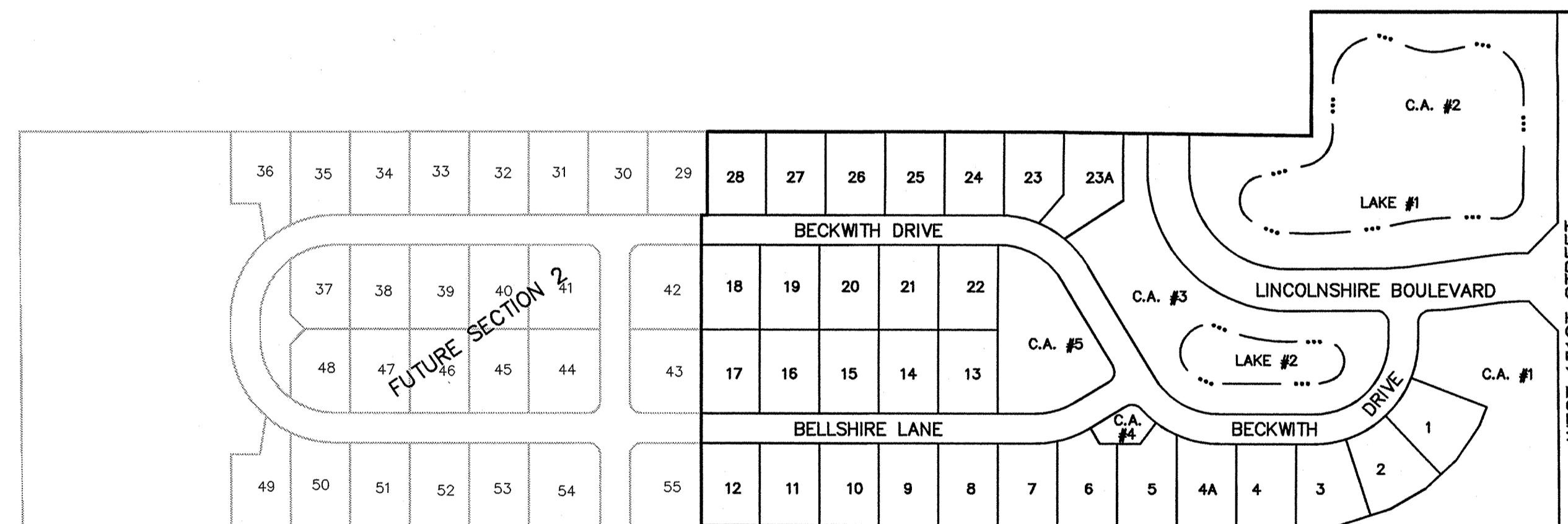
OPERATOR ON N.O.I. LETTER
ROGER KESSLER
SHELBORNE PARK, L.L.C.
10200 LANTERN ROAD
FISHERS, IN 46038

INDEX

SHT.	DESCRIPTION
1	COVER SHEET
2	TOPOGRAPHICAL SURVEY
3	SITE DEVELOPMENT PLAN
4	SITE DEVELOPMENT PLAN
5	SITE DEVELOPMENT PLAN (SECTION 2)
6	EROSION CONTROL PLAN
7	EROSION CONTROL PLAN
8	EROSION CONTROL PLAN (SECTION 2)
9	EROSION CONTROL SPECIFICATIONS
10	STREET PLAN & PROFILE
11	STREET PLAN & PROFILE
12	STREET PLAN & PROFILE
13	STRIPING PLAN
14	ENTRANCE DETAIL
15	INTERSECTION DETAILS
16	LANDSCAPING PLAN
17	TRAFFIC CONTROL PLAN
18	TRAFFIC MAINTENANCE PLAN
19	SANITARY SEWER PLAN & PROFILES
20	SANITARY SEWER PLAN & PROFILES
21	SANITARY SEWER PLAN & PROFILES
22	STORM SEWER PLAN & PROFILES
23	STORM SEWER PLAN & PROFILES
24	WATER DISTRIBUTION PLAN
25	WATER DISTRIBUTION PLAN
26	CONSTRUCTION DETAILS
27	CONSTRUCTION DETAILS
28	CONSTRUCTION DETAILS

REVISIONS

SHT.	DESCRIPTION
ALL	REVISED PER TAC COMMENTS 4/10/02 MGF
ALL	REVISED PER DEVELOPER CHANGES 6/17/02 MGF
ALL	REVISED PER DEVELOPER CHANGES 8/13/02 ORM



DESIGN DATA

30 LOTS
24.797 AC. = 1.21 LOTS/ACRE

LINCOLNSHIRE BOULEVARD 881.71 L.F.
BECKWITH DRIVE 1508.96 L.F.
BELLSHIRE LANE 758.18 L.F.

SPEED LIMIT: 25 M.P.H.

PLANS PREPARED BY:

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

RECORD DRAWING

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

12/02/02
DATE



SCALE: 1" = 200'



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: 6-14-2004

Entered by: SIM

PLANS CERTIFIED BY:

David J. Stoepelwerth 3/4/02
DAVID J. STOEPPELWERTH DATE
PROFESSIONAL ENGINEER
NO. 19358



RECORD DRAWING

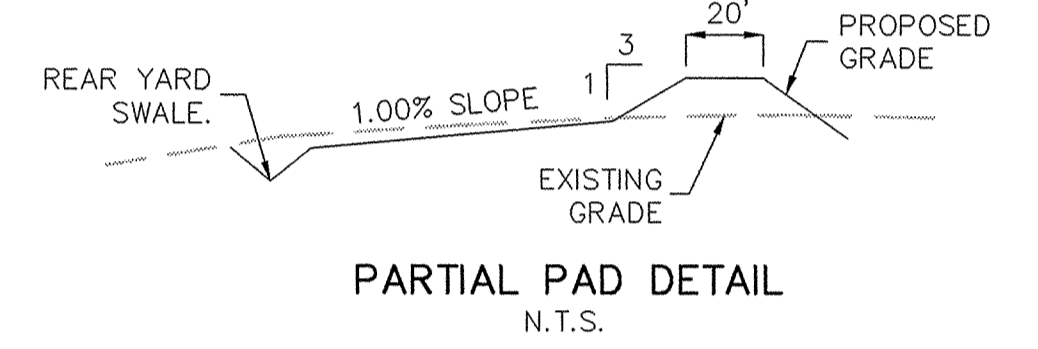
Jeffery W. Darling
 Jeffery W. DARLING
 Registered Land Surveyor
 No. 900017
 DATE 12/02/02



ASBUILT GRADE ELEV.
 +

- LEGEND**
- EXISTING CONTOUR
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED GRADE
 - PROPOSED CONTOUR
 - PROPOSED SANITARY SEWER
 - PROPOSED STORM SEWER
 - PROPOSED SWALE
 - PROPOSED 5' SIDEWALK (BY HOME BUILDER)

XXX.X PARTIAL PAD (SEE DETAIL)
 14 LOT NUMBER



- DENOTES 4" SUBSURFACE DRAIN TO LOT
- DENOTES 6" SUBSURFACE DRAIN
- ROLL CURB

NOTE:
 ALL OFF-SITE DRAIN TILES SHALL BE TIED INTO THE PROPOSED STORM SYSTEM OF THIS SECTION (WHERE APPLICABLE)

NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MOUNDS, LIGHT POLES, OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY.

NOTE: SIDEWALK ADJACENT TO COMMON AREA TO BE INSTALLED BY CONTRACTOR.

EARTHWORK:

1. EXCAVATION
 - A. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
2. REMOVAL OF TREES
 - A. All trees and stumps from area to be occupied by a road surface area and building pad. Trees and stumps shall not be buried on site.
3. PROTECTION OF TREES
 - A. The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect of protective measure to be taken, if any, to preserve such trees.
4. REMOVAL OF TOPSOIL
 - A. All topsoil shall be removed from all areas to be excavated. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
5. UTILITIES
 - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - B. It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
6. SITE GRADING
 - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - B. The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

FORM/EARTHWRK

"HOLEY MOLEY" SAYS:



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

CAUTION
 LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE. (including, but not limited to, manholes, inlets, valves, & marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

BENCHMARK:
 (VERTICAL DATUM-N.A.V.D. 1988)
 DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION
 TABLET STAMPED "LEE 2 AZI 1989" SET IN THE TOP OF A
 CONCRETE POST LOCATED IN THE S.E. QUARTER OF THE
 INTERSECTION OF SHELBORNE ROAD AND 131ST STREET.
 ELEV.=917.52

T.B.M.#1 (S&A)
 NAIL SET ON S. SIDE OF TELEPHONE POLE ON THE S. SIDE OF
 131ST STREET APPROXIMATELY 70'± W. OF W. PROPERTY LINE
 1.5' UP FROM GROUND. ELEV.=916.10

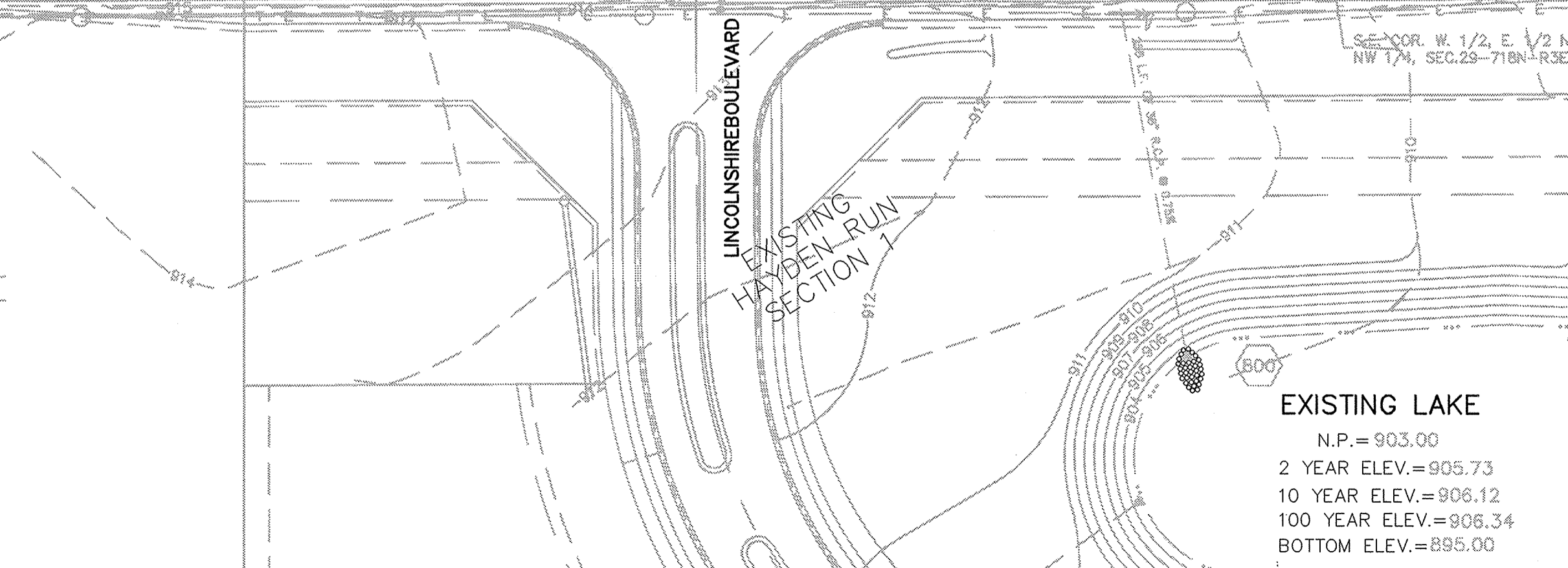
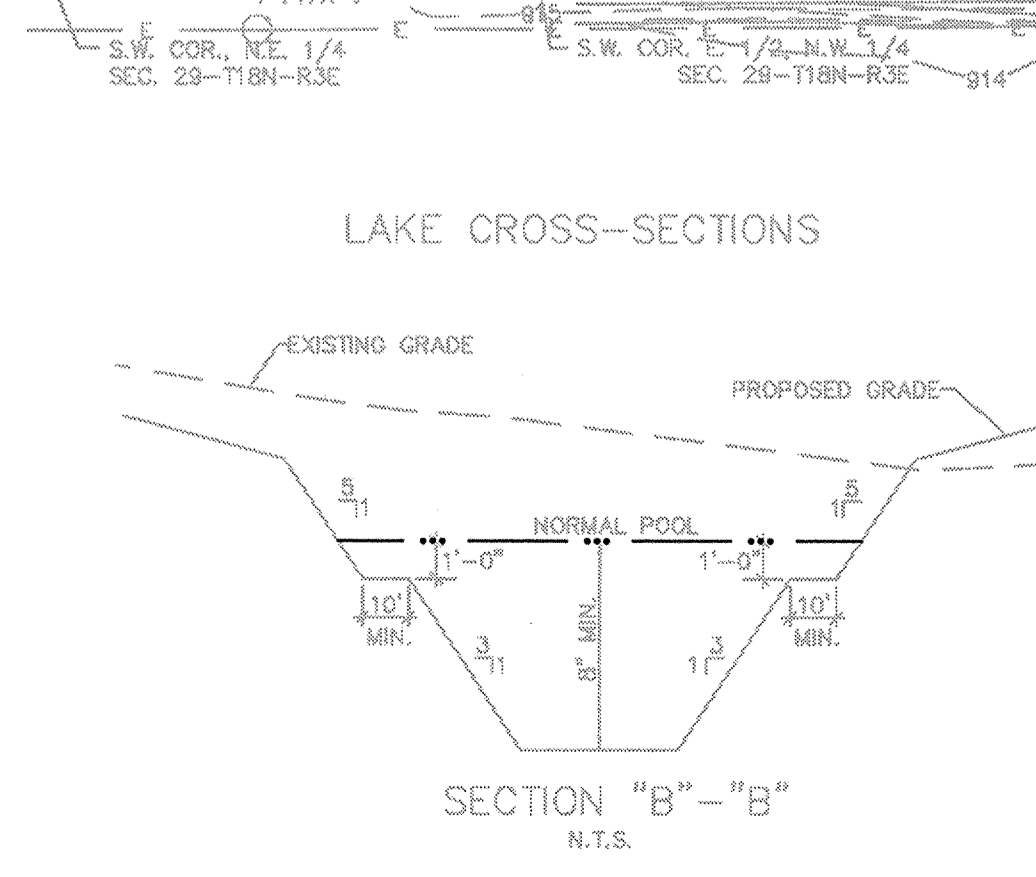
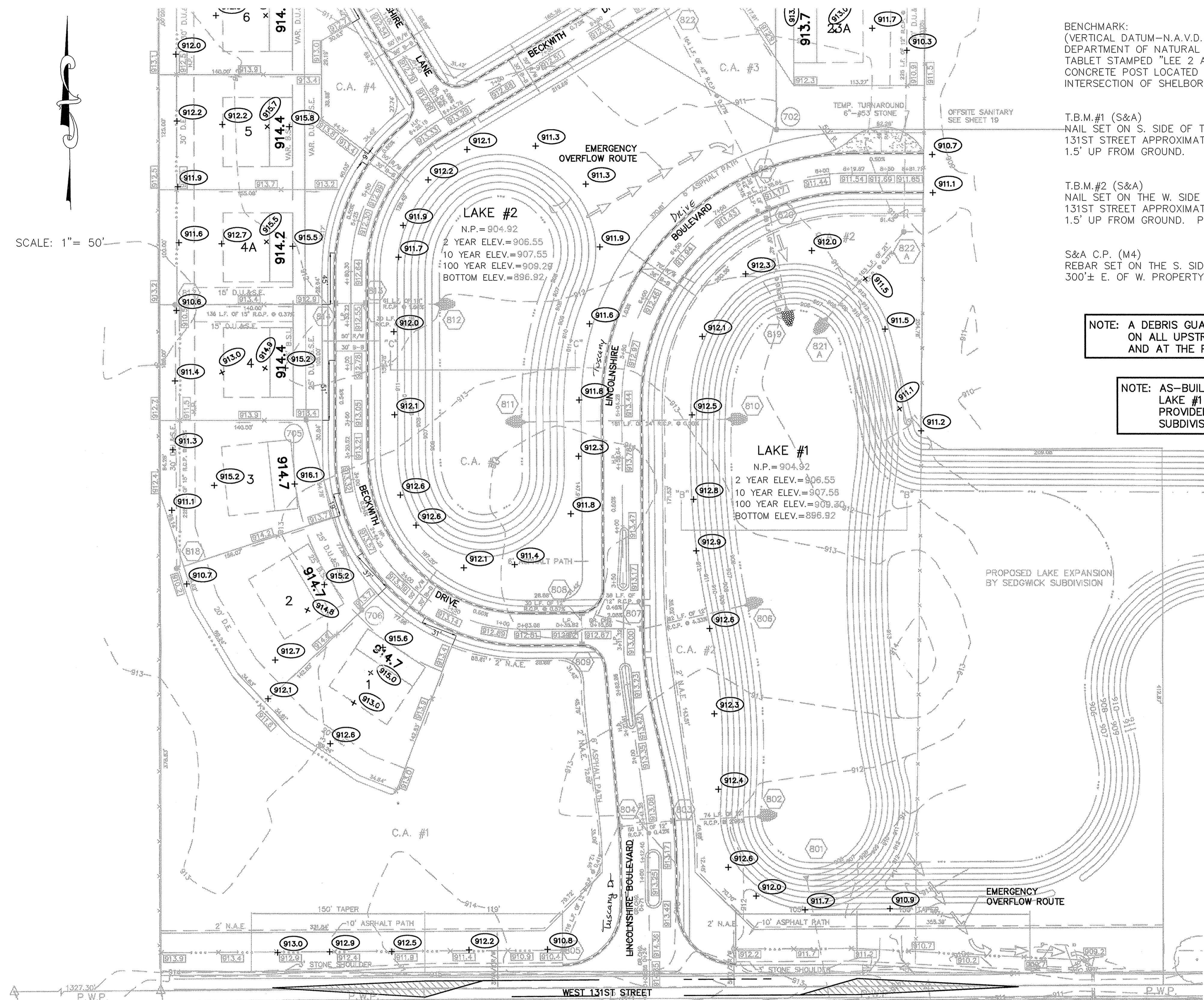
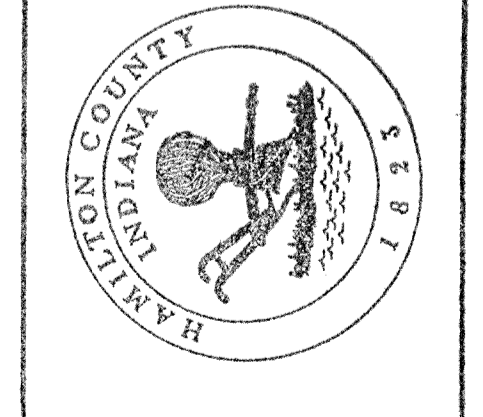
T.B.M.#2 (S&A)
 NAIL SET ON THE W. SIDE OF POWER POLE ON THE S. SIDE OF
 131ST STREET APPROXIMATELY 130'± E. OF E. PROPERTY LINE
 1.5' UP FROM GROUND. POLE #55-125. ELEV.=906.04

S&A C.P. (M4)
 REBAR SET ON THE S. SIDE OF 131ST STREET APPROXIMATELY
 300'± E. OF W. PROPERTY LINE. ELEV.=911.65

NOTE: A DEBRIS GUARD SHALL BE INSTALLED ON ALL UPSTREAM OPEN ENDED INLETS AND AT THE POND OUTFALL PIPE.

NOTE: AS-BUILT INFORMATION FOR LAKE #1 EXPANSION TO BE PROVIDED BY SEDGWICK SUBDIVISION.

This information was gathered for input into the Hamilton County Geographical Information System and is considered an official record of the GIS.
 Entry Date: 6-14-2004
 Entered by: SJA



SCALE: 1" = 50'

OWN. BY	CRM	10/20/02	DATE	MARK
BY	CRM	9/7/02	DATE	REVISIONS
CHK. BY	SCS	9/20/02	DATE	REVISIONS
SCALE	1"=50'	9/7/02	DATE	REVISIONS
REVISIONS PER DEVELOPER CHANGES		4/8/02	DATE	REVISIONS
REVISIONS PER DEVELOPER COMMENTS		4/8/02	DATE	REVISIONS
REVISIONS PER IAC COMMENTS		4/8/02	DATE	REVISIONS

CERTIFIED: 3/4/02

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

David J. Stoppelweber

REGISTERED PROFESSIONAL ENGINEER
 No. 19358
 STATE OF INDIANA

SITE DEVELOPMENT PLAN
SHELBORNE PARK SECTION ONE
 CARMEL INDIANA

SHEET NO. 3
 OF 28 SHEETS
 JOB NO. 42265

RECORD DRAWING

Jeffrey W. Darling
 Jeffrey W. Darling
 Registered Land Surveyor
 No. 900017

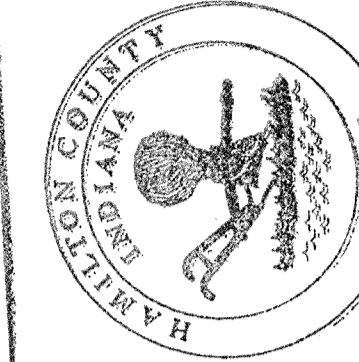
12/02/02
 DATE



ASBUILT GRADE ELEV.

SCALE: 1" = 50'

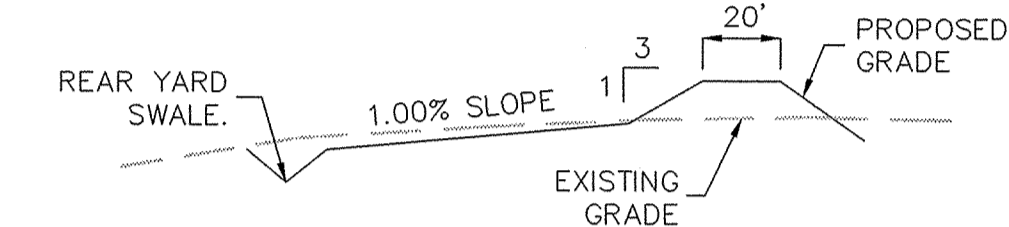
This information was gathered for input into the Hamilton County Geographical Information System. The contractor is responsible for the accuracy of the information as presented on this drawing.
 Entry Date: 6-14-02
 Entered by: SJK



LEGEND

- 848 --- EXISTING CONTOUR
- 848 --- EXISTING SANITARY SEWER
- 848 --- EXISTING STORM SEWER
- 848 --- PROPOSED GRADE
- 848 --- PROPOSED CONTOUR
- 848 --- PROPOSED SANITARY SEWER
- 848 --- PROPOSED STORM SEWER
- 848 --- PROPOSED SWALE
- 848 --- PROPOSED 5' SIDEWALK (BY HOME BUILDER)

XXX.X PARTIAL PAD (SEE DETAIL)
 14 LOT NUMBER



PARTIAL PAD DETAIL
 N.T.S.

- DENOTES 4" SUBSURFACE DRAIN TO LOT
- DENOTES 6" SUBSURFACE DRAIN
- ROLL CURB

NOTE:
 ALL OFF-SITE DRAIN TILES SHALL BE TIED INTO THE PROPOSED STORM SYSTEM OF THIS SECTION (WHERE APPLICABLE)

NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MOUNDS, LIGHT POLES, OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY.

EARTHWORK:

1. EXCAVATION
 - A. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - B. Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
2. REMOVAL OF TREES
 - A. All trees and stumps from area to be occupied by a road surface area and building pad. Trees and stumps shall not be buried on site.
3. PROTECTION OF TREES
 - A. The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - B. In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect of protective measure to be taken, if any, to preserve such trees.
4. REMOVAL OF TOPSOIL
 - A. All topsoil shall be removed from all areas to be excavated. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
5. UTILITIES
 - A. Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - B. It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
6. SITE GRADING
 - A. Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - B. The tolerance for paved areas shall not exceed 0.50 feet above established subgrade. All other areas shall not exceed 0.50 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - C. The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

FORM EARTHWRK

"HOLEY MOLEY" SAYS:



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

CAUTION

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Str. No.	Type	Tc/Rim	Inverts	Dir.
800	CONCRETE END SECTION		903.00 (NW)	
801	CONCRETE END SECTION		904.92 (SE)	
802	CONCRETE END SECTION		904.92 (SW)	
803	CURB INLET	912.91	907.10 (NE)(SW)	
804	CURB INLET	907.25	907.25 (NE)(SW)	
805	YARD INLET	910.60	906.60 (NE)	
806	CONCRETE END SECTION		906.60 (SW)	
807	CURB INLET	913.00	908.98 (NW)(NE)	
808	CURB INLET	912.62	909.15 (S)(SE)	
809	CURB INLET	912.62	909.24 (N)	
810	CONCRETE END SECTION		904.92 (W)	
811	CONCRETE END SECTION		904.92 (E)	
812	CONCRETE END SECTION		904.92 (W)	
813	CURB INLET	912.59	906.43 (W)(E)	
814	CURB INLET	912.59	906.52 (NW)(E)(W)	
815	CURB INLET	912.37	906.62 (N)(SE)	
816	CURB INLET	912.37	906.71 (S)	
817	CURB INLET	910.09	906.92 (N)(S)	
818	CURB INLET	910.70	907.63 (N)	
819	CONCRETE END SECTION		904.92 (NW)	
820	CURB INLET	911.24	905.18 (NW)(SE)	
821	CURB INLET	905.29	905.29 (NW)(SE)	
821A	CONCRETE END SECTION		905.29 (NE)	
822	CURB INLET	911.82	905.18 (NW)(SE)(E)	
822A	YARD INLET	911.80	905.18 (SW)(N)	
823	MANHOLE	909.90	906.31 (S)	
824	CURB INLET	911.82	905.87 (NW)(SE)	
825	YARD INLET	911.60	906.26 (SW)(N)(SE)	
826	CURB INLET	912.28	906.76 (SW)(NE)	
827	CURB INLET	912.28	906.85 (W)(NE)	
828	YARD INLET	911.50	907.27 (N)(W)	
828A	CONCRETE END SECTION		910.00 (S)	
829	YARD INLET	911.50	907.22 (N)(S)(E)(W)	
830	CURB INLET	911.90	907.95 (W)(E)	
831	CURB INLET	911.90	908.04 (W)(E)	
832	CONCRETE END SECTION		910.00 (W)	
833	CURB INLET	912.10	907.67 (W)(E)	
834	CURB INLET	912.10	907.76 (W)(E)	
835	YARD INLET	911.00	908.15 (E)	
836	CURB INLET	913.21	908.15 (S)	

* DENOTES DEBRIS GUARD TO BE INSTALLED

BENCHMARK:
 (VERTICAL DATUM-N.A.V.D. 1988)
 DEPARTMENT OF NATURAL RESOURCES BRASS CONTROL STATION
 TABLE STAMPED "LEE 2 AZI 1989" SET IN THE TOP OF A
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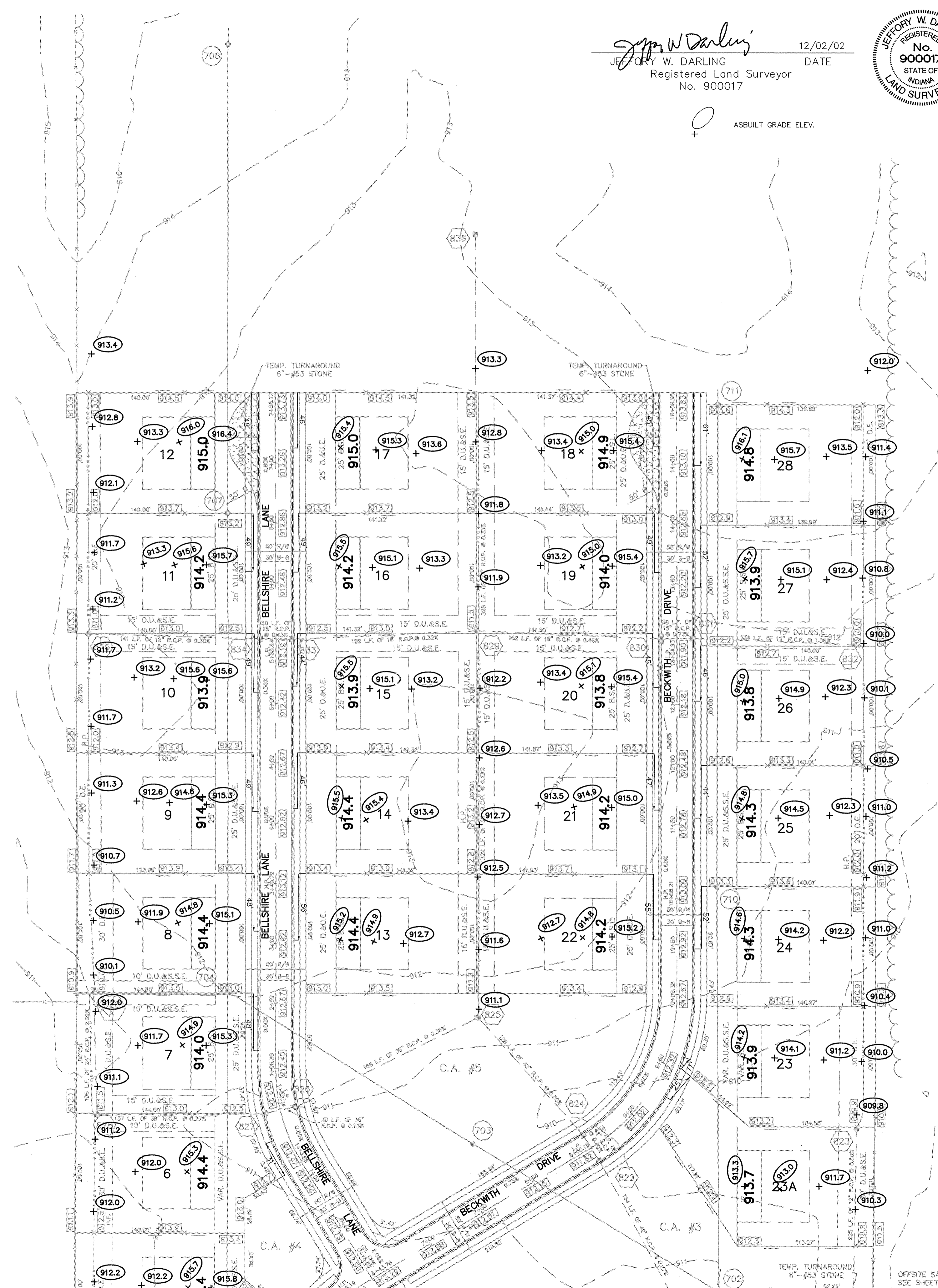
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NOTE: A DEBRIS GUARD SHALL BE INSTALLED ON ALL UPSTREAM OPEN ENDED INLETS AND AT THE POND OUTFALL PIPE.

NOTE: SIDEWALK ADJACENT TO COMMON AREA TO BE INSTALLED BY CONTRACTOR.



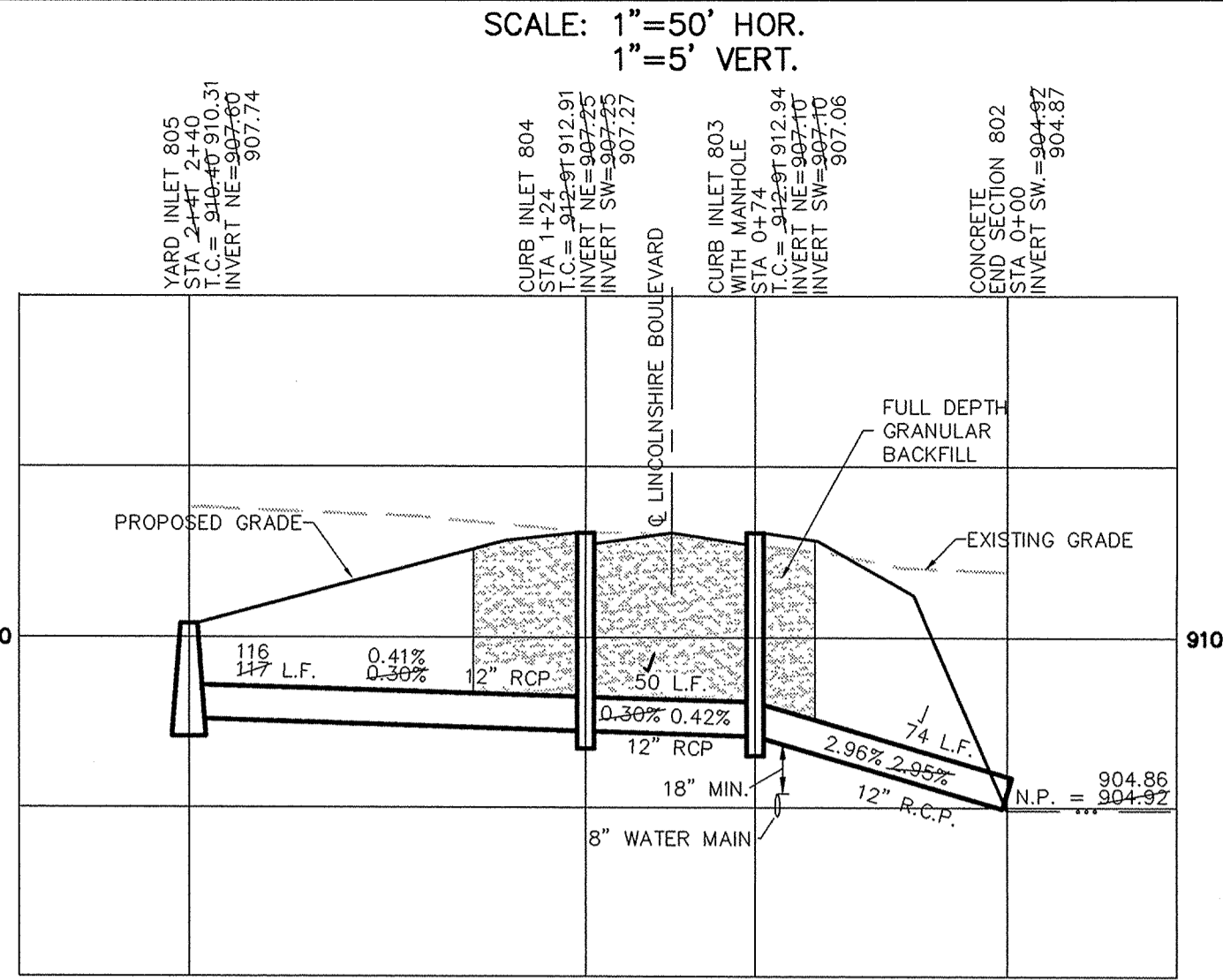
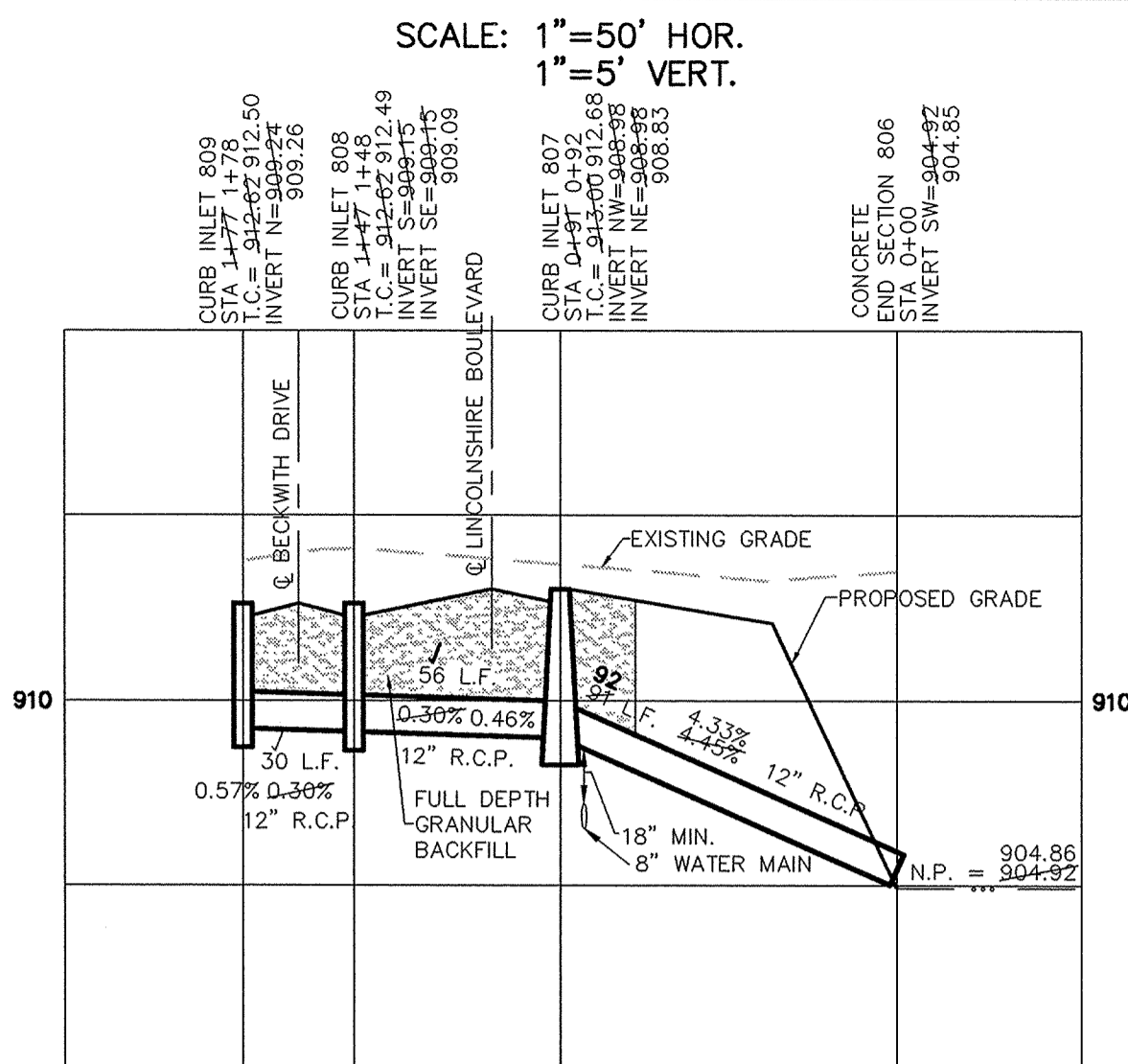
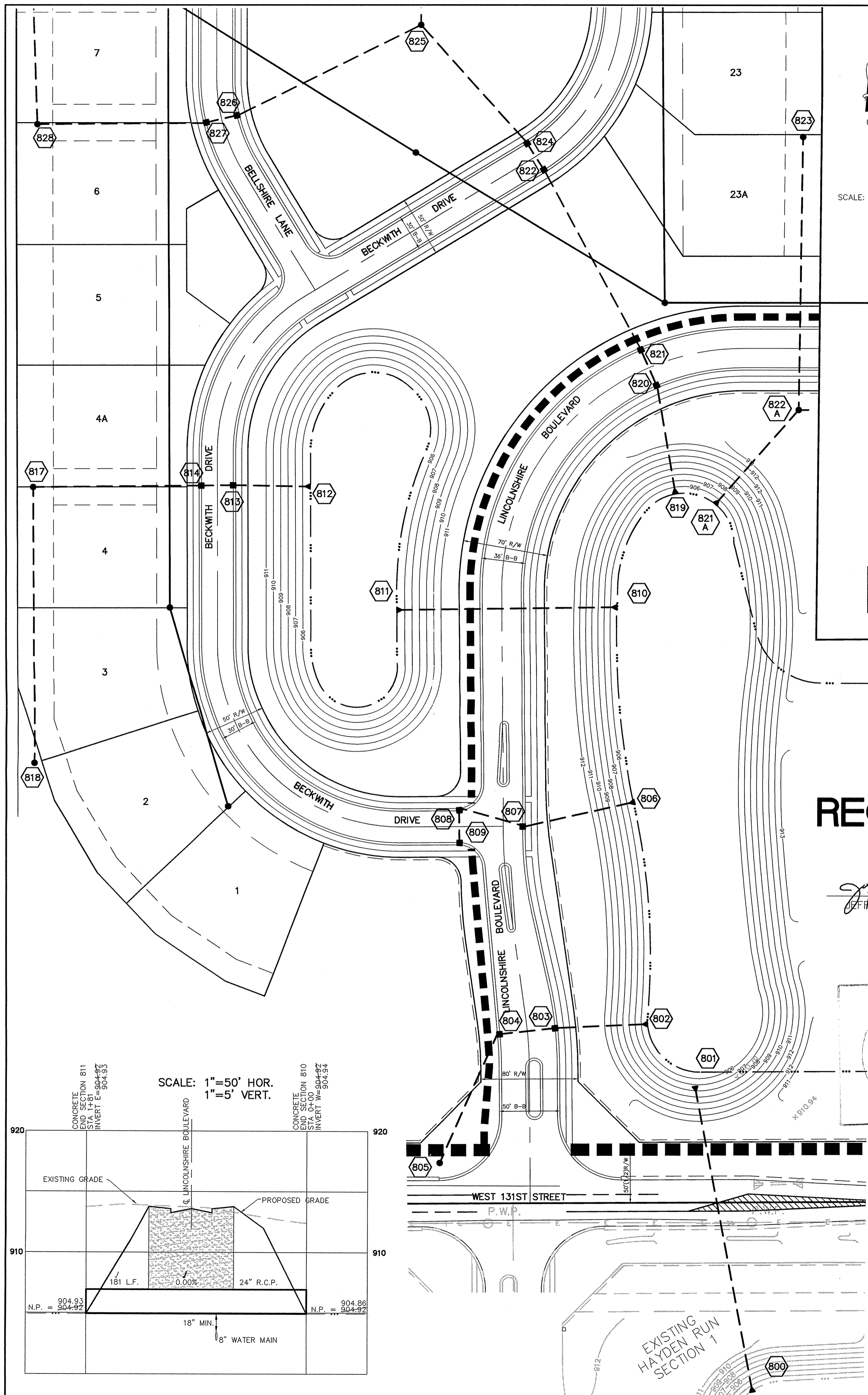
CERTIFIED: 3/14/02

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

SITE DEVELOPMENT PLAN
 SHELBORNE PARK SECTION ONE
 INDIANA

OWN. BY	10/20/02	DATE	MARK
CRN	6/17/02	DATE	BY
SCS	6/17/02	DATE	BY
SCALE	1"=50'	DATE	BY
REVISIONS	3/4/02	DATE	BY

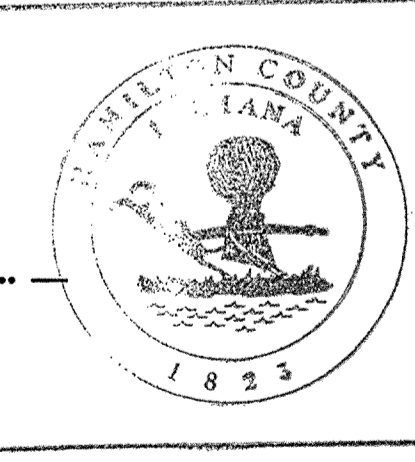
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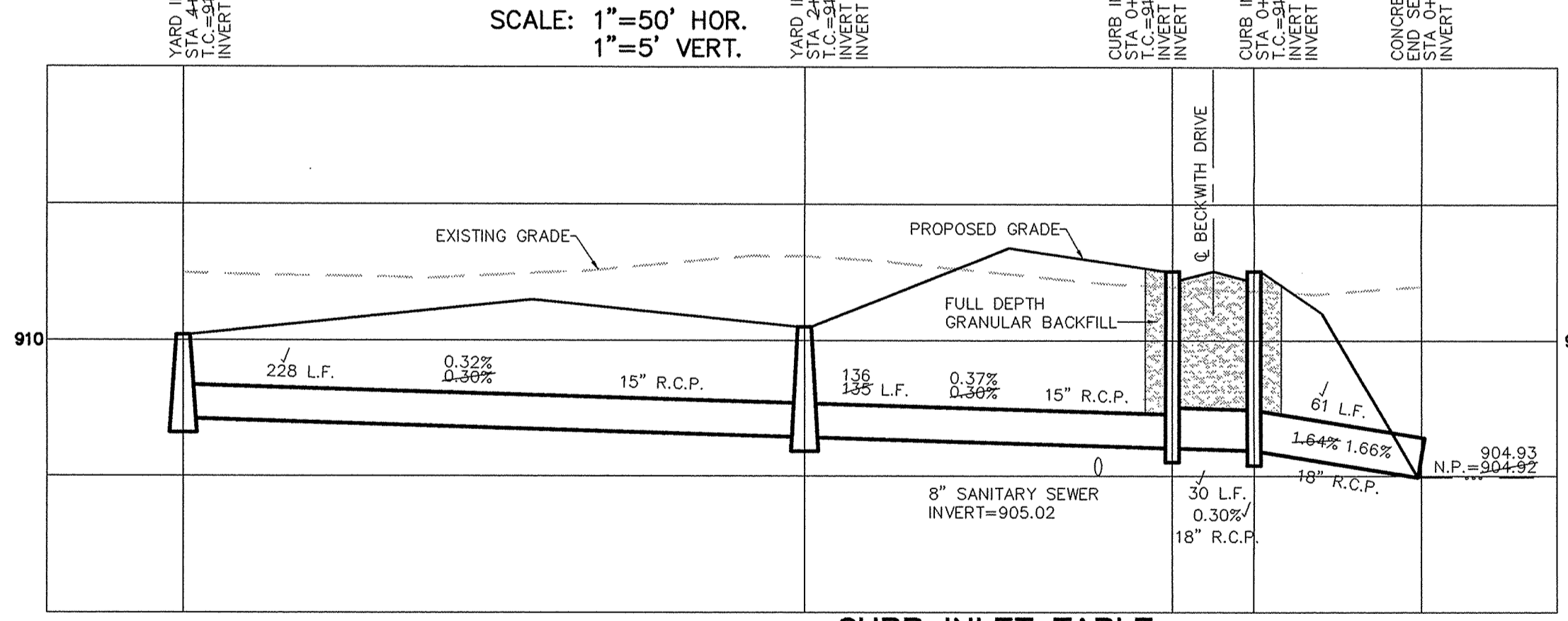
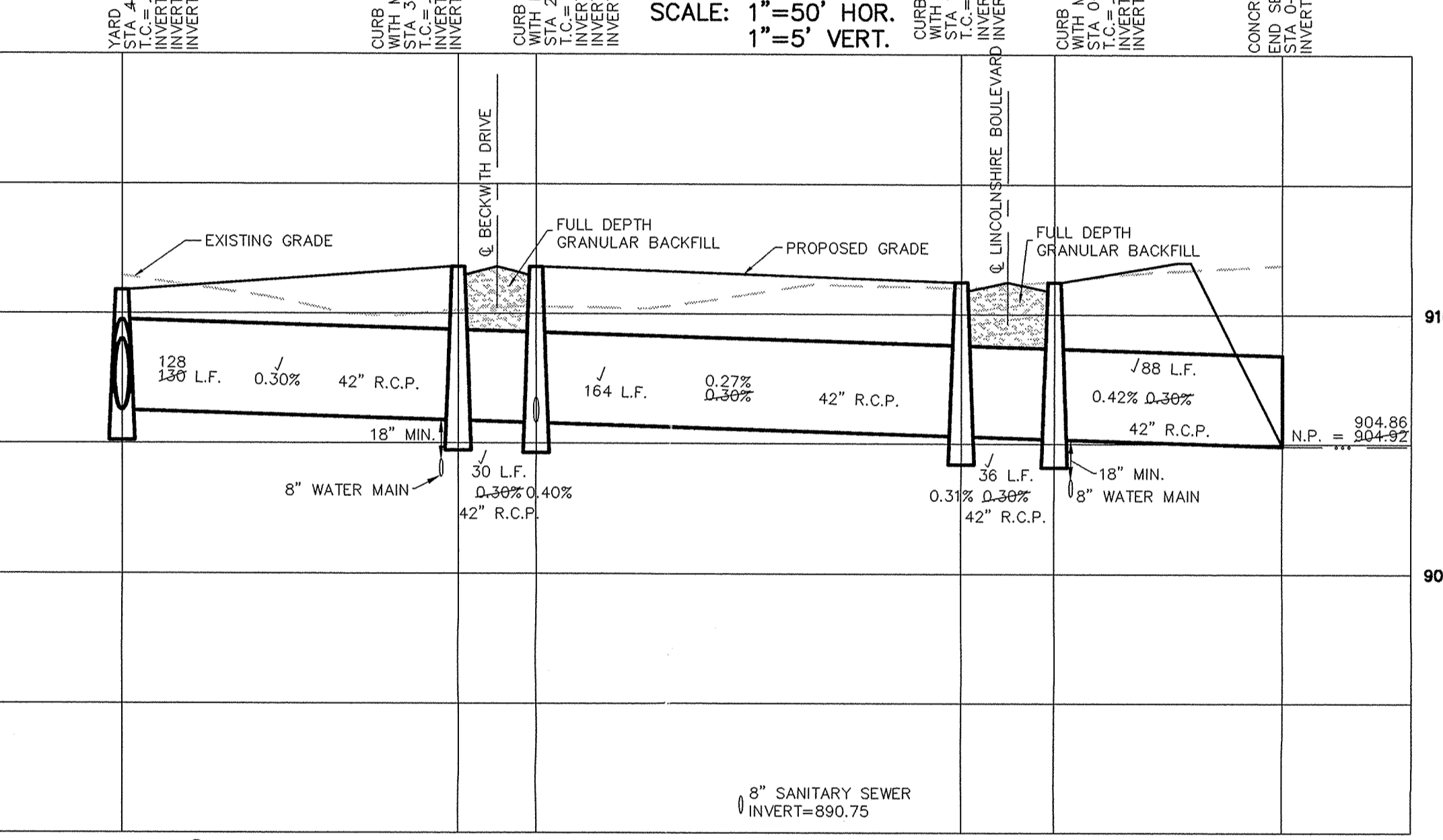
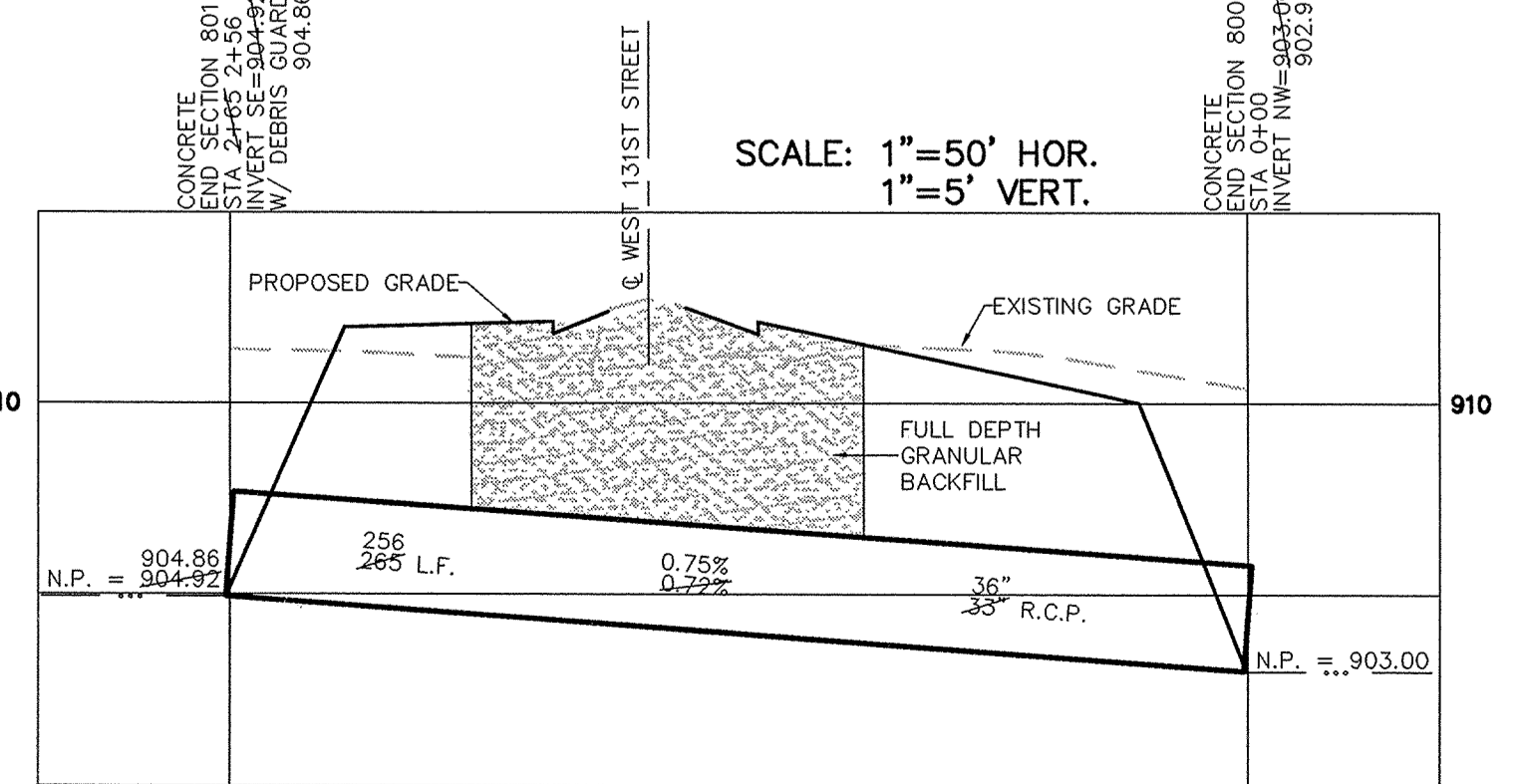
NOTE: A DEBRIS GUARD SHALL BE INSTALLED ON ALL UPSTREAM OPEN ENDED INLETS AND AT THE POND OUTFALL PIPE.

RECORD DRAWING

Jeffery W. Darling
 JEFFERY W. DARLING
 Registered Land Surveyor
 No. 900017
 DATE 12/02/02



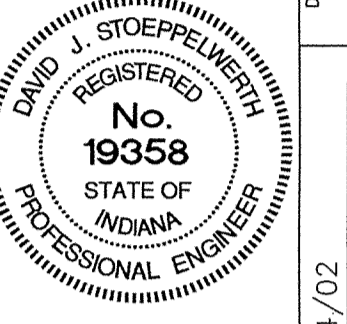
This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.
 Entry Date: 6-14-2004
 Entered by: *slm*



CURB INLET TABLE

PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	24"x24"		DESIGN APPROVAL	No	Yes	Yes
12" to 21"	30"x30"		DESIGN APPROVAL	No	Yes	Yes
18" to 21"		MH/BOX	DESIGN APPROVAL	Yes	Yes	Yes
21" to 27"	24"x36"		DESIGN APPROVAL	No	No	Yes
12" to 24"	36"x36"		DESIGN APPROVAL	No	Yes	Yes
24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" OR LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

* PIPES NO LARGER THAN 18" CAN BE USED IN THE 2' SIDE OF THIS BOX
 ** INCOMING AND OUT GOING PIPES EFFECT STEPS IN THIS STRUCTURE
 SPECIAL NOTE: STRUCTURES DEEPER THAN 48" FROM T/C TO INVERT WILL BE A M.H. OR A BOX WITH STEPS UNLESS SPECIAL DESIGN IS APPROVED.
 SPECIAL NOTE: COUNTY MAY REQUIRE STEPS TO BE INSTALLED AFTER STRUCTURE IS SET, TO IMPROVE ACCESS.
 SPECIAL NOTE: STRUCTURES WILL BE DESIGNED FOR MAXIMUM FLOW IN PIPES

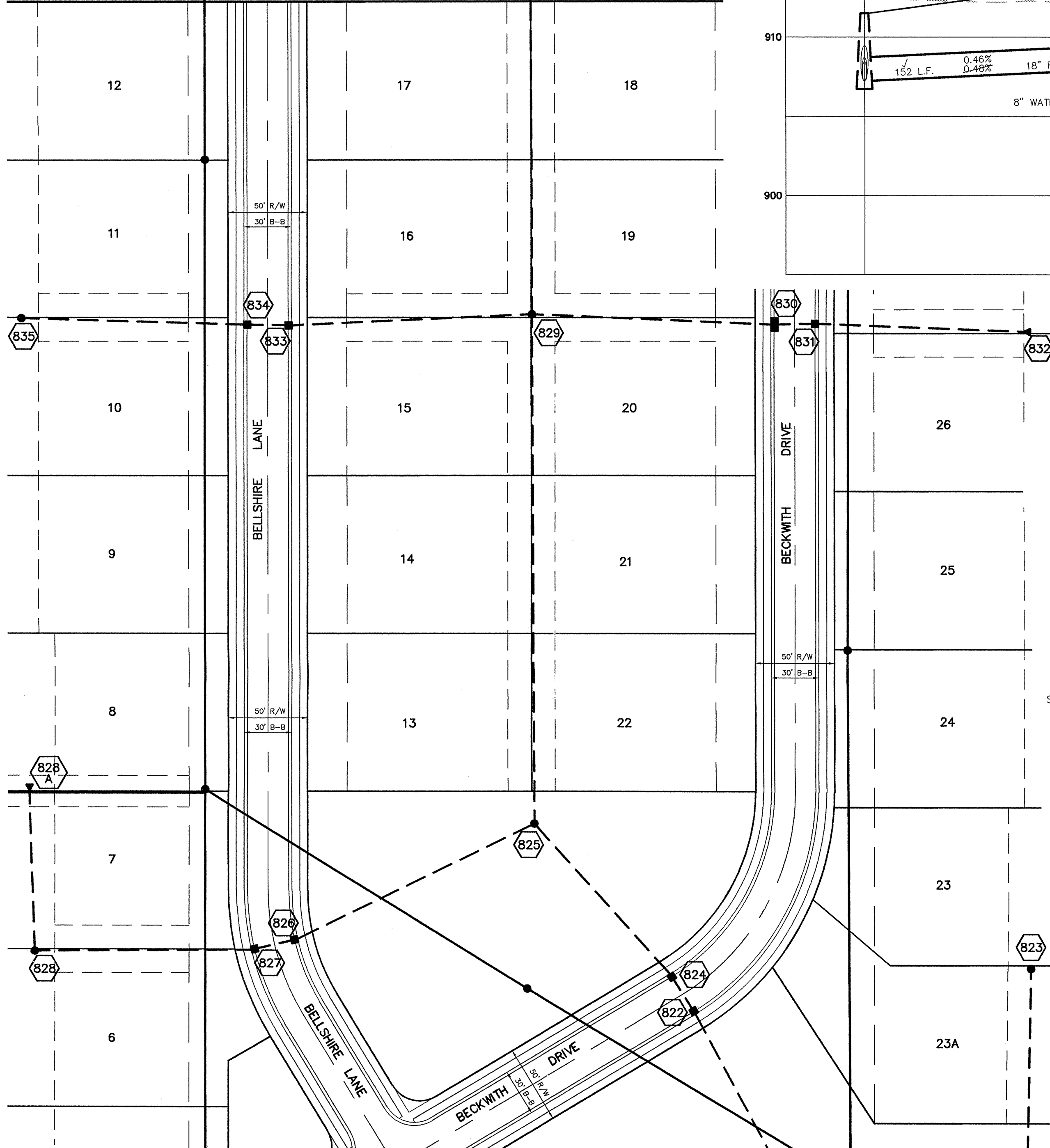


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 CONSULTING ENGINEERS - LAND SURVEYORS
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 INDIANAPOLIS INDIANA
 STORM SEWER PLAN & PROFILE
 SHELBORNE PARK SECTION ONE
 SHEET NO. 22 OF 28 SHEETS
 JOB NO. 42265

RECORD DRAWING

Jeffrey W. Darling
 JEFFREY W. DARLING
 Registered Land Surveyor
 No. 900017

12/02/02
 DATE

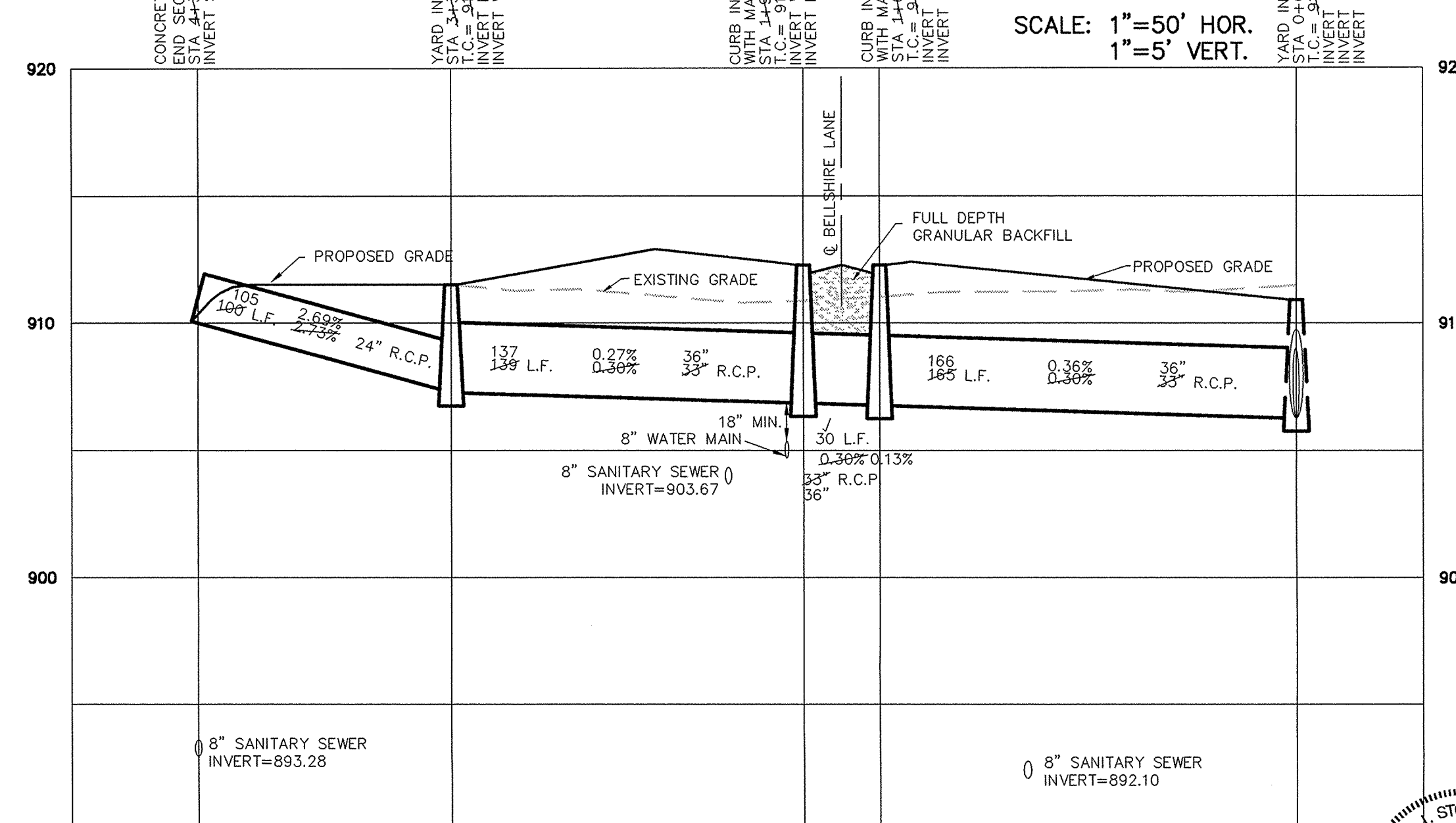
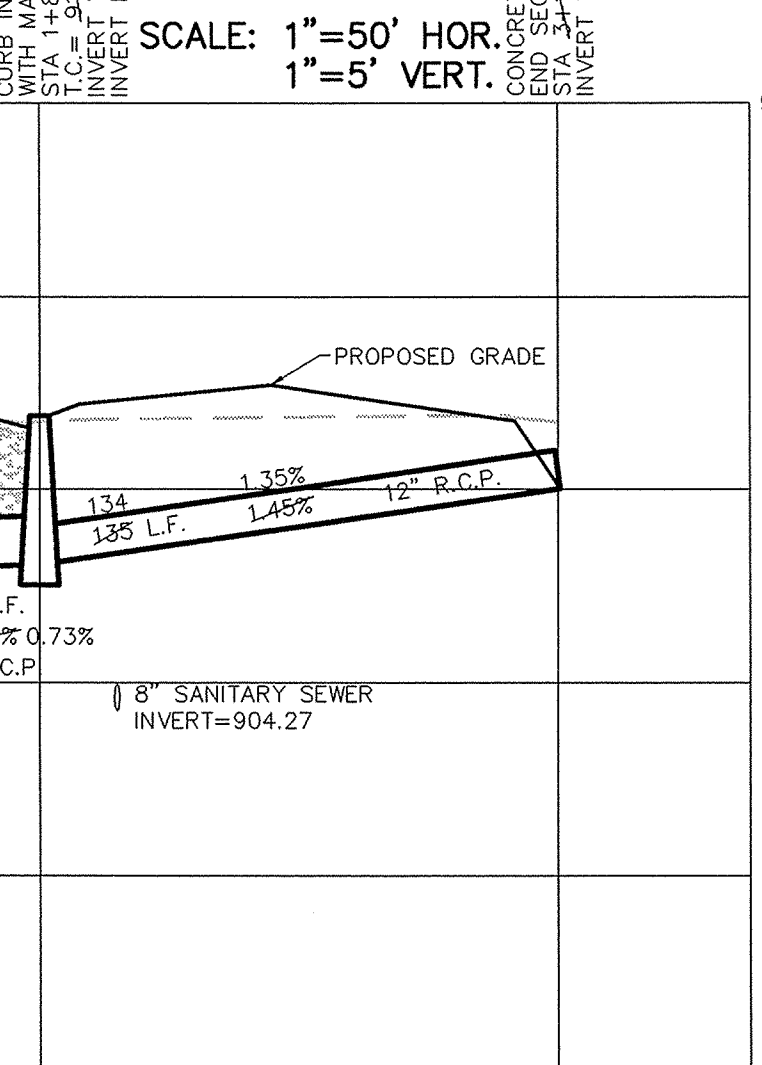
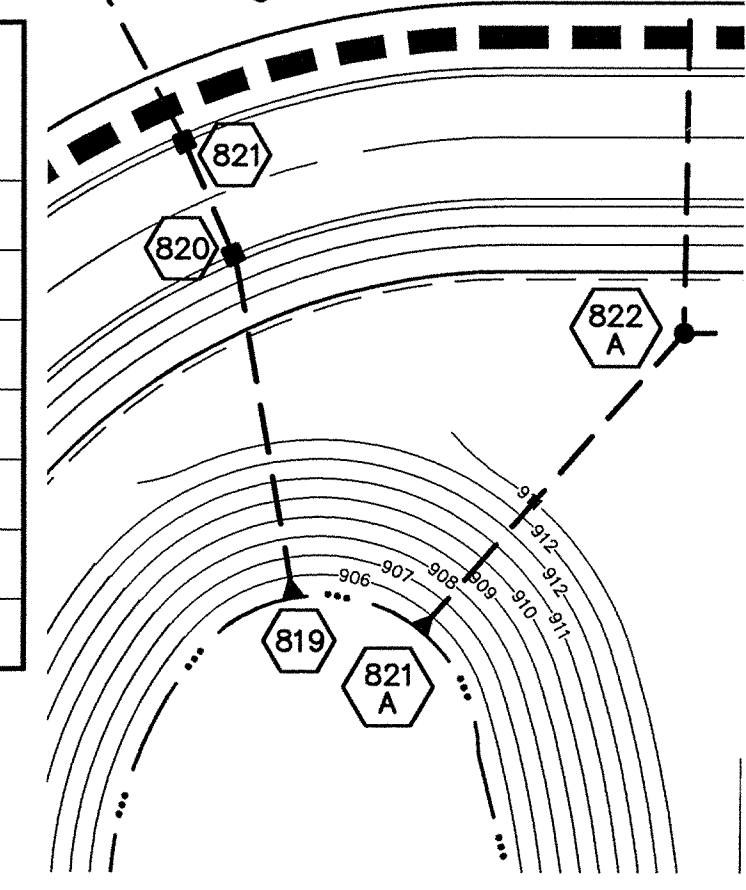


CURB INLET TABLE

PIPE SIZE	STRUCTURES LESS THAN 48" FROM T/C TO INVERT	STRUCTURES GREATER THAN 48" FROM T/C TO INVERT	ANGLE AND QUALITY OF PIPES WILL REQUIRE SPECIAL DESIGN	STEPS REQUIRED	CURB CASTING *R-3501 N	CASTING *3501 TL & TR
12" to 18"	24"x24"		DESIGN APPROVAL	No	Yes	Yes
12" to 21"	30"x30"		DESIGN APPROVAL	No	Yes	Yes
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21" to 27"	24"x36"		DESIGN APPROVAL	No	No	Yes
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24" OR LARGER	DESIGN APPROVAL		DESIGN APPROVAL	No	No	Yes
24" or LARGER		MH/BOX	DESIGN APPROVAL	Yes**	Yes	Yes

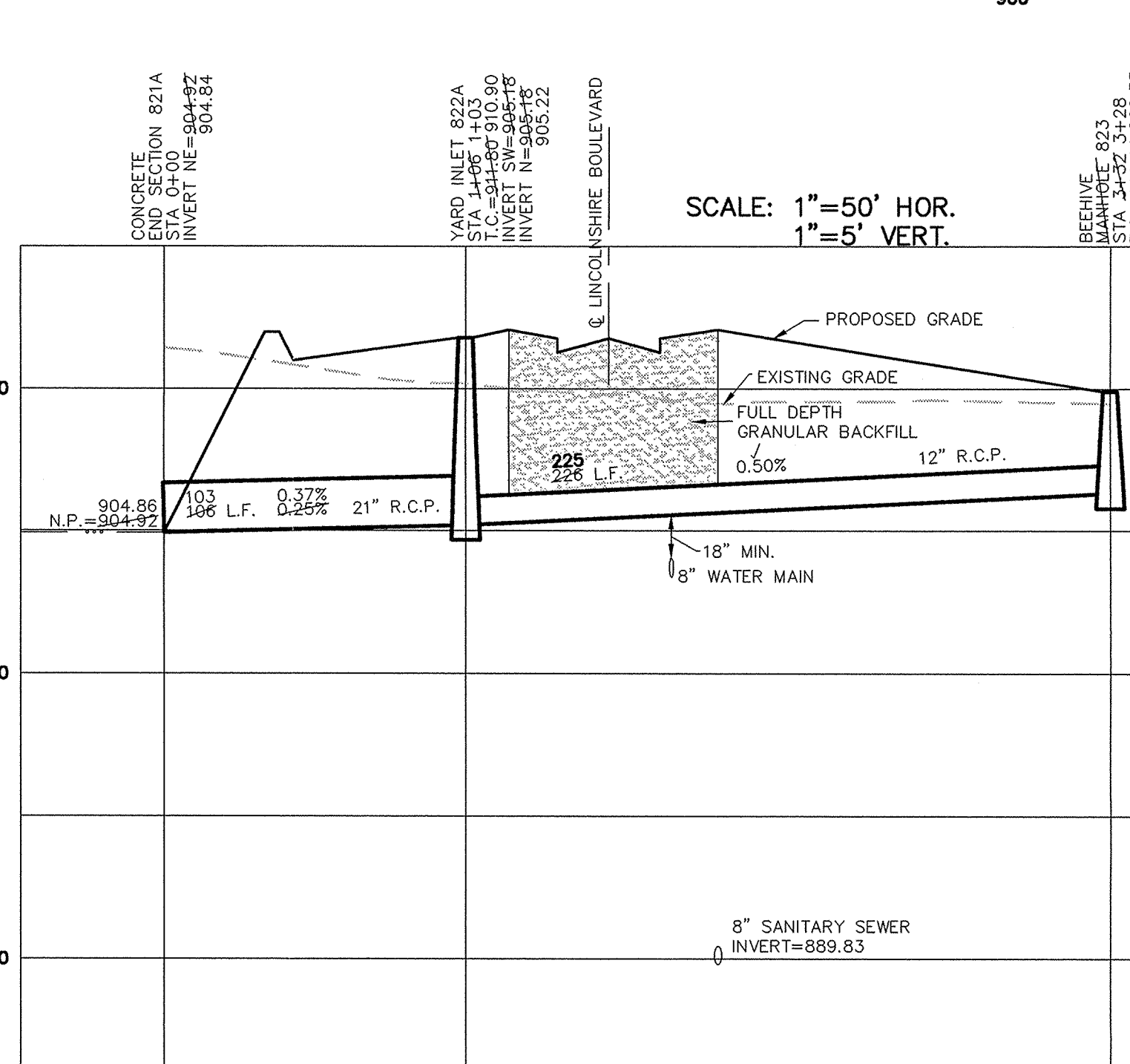
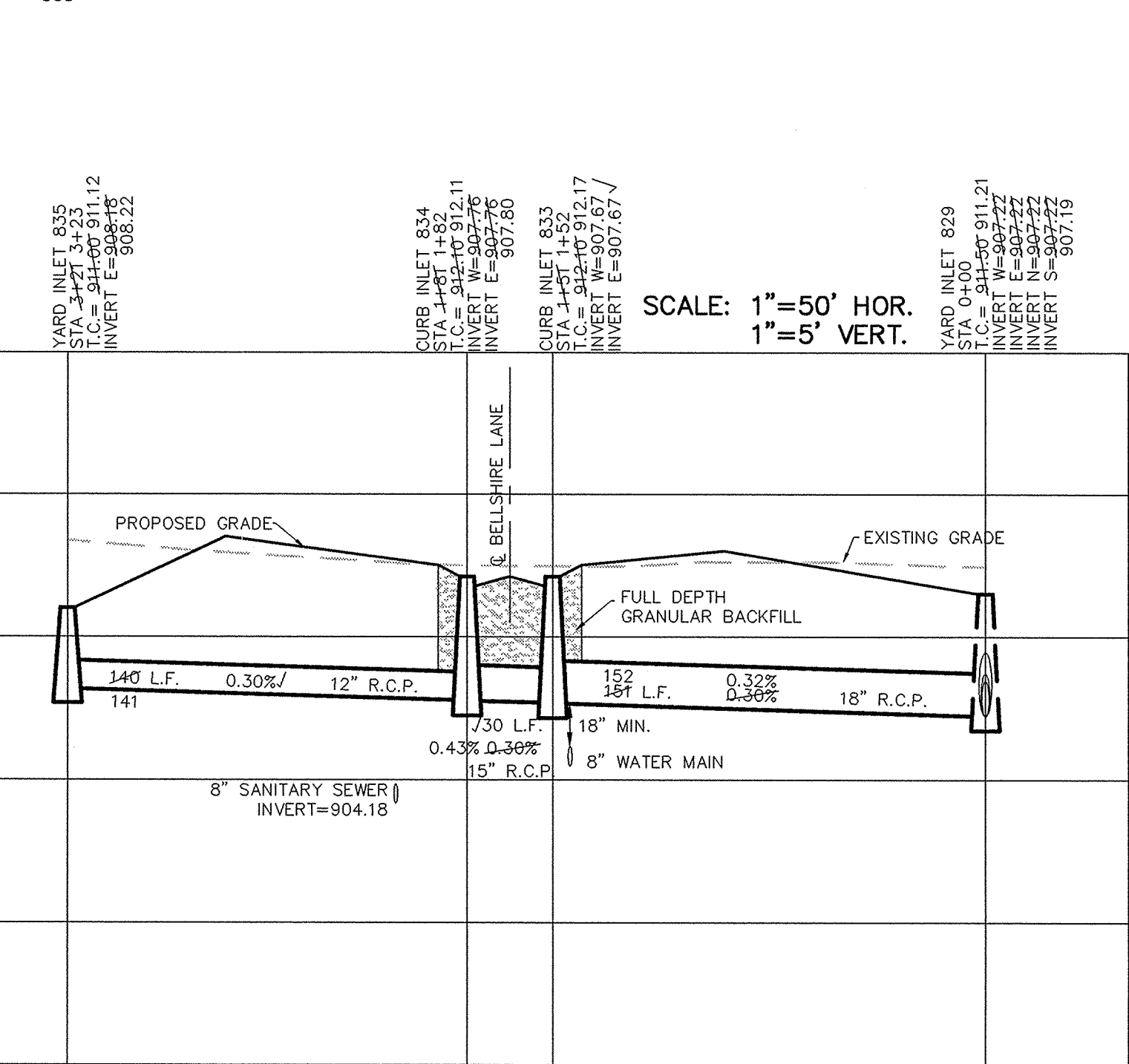
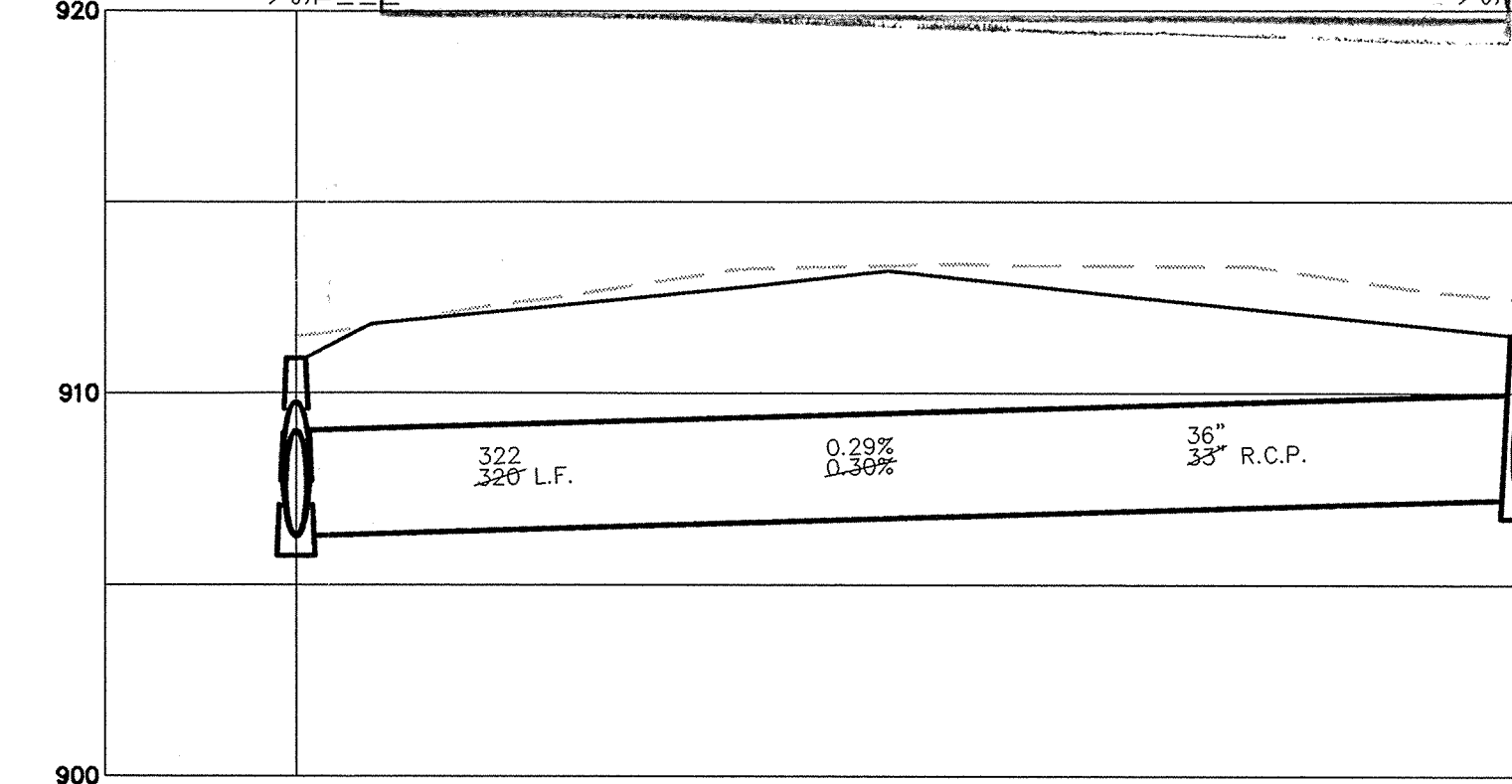
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Hamilton County, Indiana
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 INDIANAPOLIS INDIANA
 SHEET NO. 23 OF 28 SHEETS
 JOB NO. 42265
 DATE: 3/4/02
 MARK: David J. Stapp
 REVISIONS: BY

S:\42265\1\dwg\st-5TW2.dwg Layout, 12/11/2002 09:11:25 AM, mfontain, 1:1