

Drain: SPRINGMILL VILLAGES DRAIN **Drain #:** 268
Improvement/Arm: THE CROSSINGS-SECTION 1B
Operator: JDH **Date:** 5-17-04
Drain Classification: Urban/Rural **Year Installed:** 1994

GIS Drain Input Checklist

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

**Gasb 34 Footages for Historical Cost
Drain Length Log**

Drain-Improvement: SPRINGMILL VILLAGES DRAIN - THE CROSSINGS - SECTION A-B

Drain Type:	Size:	Length SURVEYORS REQUIRED	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	4,981'	4,981'	∅		
RCP	12"	1,853'	1,853'	∅		
	15"	383'	383'	∅		
	18"	220'	214'	-6		
	21"	542'	542'	∅		
	24"	425'	505'	+80'		
OPEN DITCH		110'	110'	∅		

Sum: 8,514' 8,588' +74'

Final Report: _____

Comments:
SR AND AB DISAGREE ON 18" AND 24" RCP LENGTHS

Springmill Villages Drain – The Crossings - Section 1

Bonds: SO36573 = \$176,200.00

Total bond amount split 2 ways:

The Crossings - Section 1A Arm	3,231'
The Crossings - Section 1B Arm	<u>8,588'</u>
Total Footage	11,819'

The Crossings - Section 1A Arm:
 $3231 / 11819 = 0.27 = 27\%$

The Crossings - Section 1B Arm:
 $8588 / 11819 = 0.73 = 73\%$

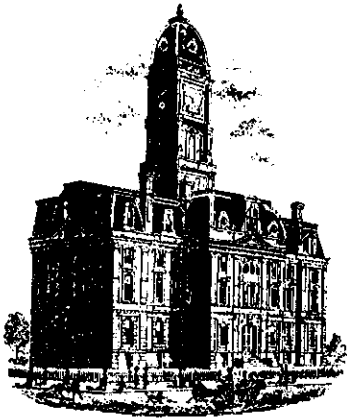
$27 + 73 = 100$

Cost Per Improvement:

The Crossings - Section 1A Arm:
 $176,200.00 * 27\% = \$47,574.00$

The Crossings - Section 1B Arm:
 $176,200.00 * 73\% = \$128,626.00$

$\$47,574.00 + \$128,626.00 = \$176,200.00$



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Suite 146

776-8495

One Hamilton County Square

Noblesville, Indiana 46060-2830

November 14, 1994

TO: Hamilton County Drainage Board

RE: Springmill Villages Drain
The Crossings, Section 1B Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Springmill Villages Drain, The Crossings Section 1B Arm. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable; will improve the public health; benefit a public highway and be of public utility; and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

6" SSD	4632 feet	18" RCP	216 feet
Open Ditch	110 feet	21" RCP	542 feet
12" RCP	1862 feet	24" RCP	426 feet
15" RCP	380 feet		

The total length of the drain will be 8,168 feet.

The retention pond located in Common Area B (of rear Lots 19 to 24) 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 will be the responsibility of the Homeowners Association. The Board will however, retain jurisdiction for ensuring the storage volume for which the pond 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 are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

The open ditch listed above includes the portion from the outlet at STRUCTURE 135 to the pond and from the South end of the existing 18 x 18 concrete box culvert under 151st Street to the pond.

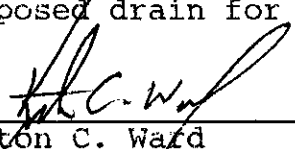
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$30.00 per lot, \$5.00 per acre for roadways, with a \$30.00 minimum. With this assessment the total annual assessment for the this section will be \$ 1723.26 .

Parcels assessed for this drain may be assessed for the Overman-Harvey Drain and/or Village Farms 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 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 The Crossings Section 1B at Springmill Villages Drain as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a maintenance hearing for this proposed drain for December 1994.



Kenton C. Ward
Hamilton County Surveyor
KCW/no



NBD Bank N.A.
 International Operations
 One Indiana Square
 Indianapolis, Indiana 46266
 (317) 266-5395

In All Correspondence
 Quote Our Reference No.

TELEX: MCI205615

◀ By Mail By Wire ▶

S.W.I.F.T.: INBI US44

FAX: (317) 266-7150

IRREVOCABLE STANDBY
 LETTER OF CREDIT NO. 9036573

PLACE AND DATE OF ISSUE:
 INDIANAPOLIS, / MAY 26, 1994

*** B E N E F I C I A R Y ***
 BOARD OF COMMISSIONERS
 HAMILTON COUNTY
 1 HAMILTON COUNTY SQUARE
 ROOM 157
 NOBLESVILLE IN 46060

*** A P P L I C A N T ***
 BREWICK LAND CO. L.P.
 19502 ANGOLA CT.
 INDIANAPOLIS, IN 46268-1119

*** EXPIRY DATE/PLACE ***
 EXPIRES ON JUNE 01, 1995
 FOR PRESENTATION AT OUR OFFICE.

*** AVAILABLE AT/BY: ***
 OUR OFFICE ONLY BY PRESENTATION
 OF DOCUMENT(S) REQUIRED AND YOUR
 DRAFT(S) DRAWN AT SIGHT.

A M O U N T O F C R E D I T : NOT TO EXCEED, IN THE AGGREGATE
 176,200.00 U.S. DOLLARS

GENTLEMEN,

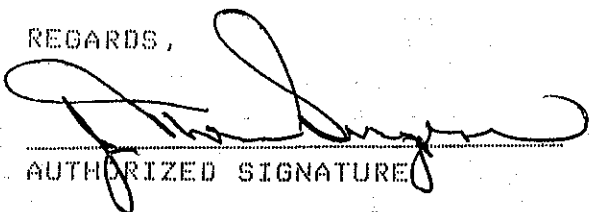
AT THE REQUEST AND FOR THE ACCOUNT OF THE ABOVE NAMED APPLICANT,
 WE HEREBY ESTABLISH OUR IRREVOCABLE LETTER OF CREDIT IN YOUR
 FAVOR WHICH IS AVAILABLE AS INDICATED ABOVE AGAINST PRESENTATION
 OF YOUR DRAFT(S) DRAWN ON NBD BANK, N.A., INDIANAPOLIS, INDIANA,
 WHEN ACCOMPANIED BY THE FOLLOWING DOCUMENTS:

BENEFICIARY'S SIGNED CERTIFICATE STATING THAT THE APPLICANT HAS
 FAILED TO CONSTRUCT THE NECESSARY STORM SEWERS AT SPRINGMILL
 VILLAGES, THE CROSSINGS, SEC. 1.

WE HEREBY ENGAGE WITH YOU DRAWERS AND/OR BONA FIDE HOLDERS THAT
 DRAFTS DRAWN AND NEGOTIATED IN CONFORMITY WITH THE TERMS OF THIS
 CREDIT WILL BE DULY HONORED AT PRESENTATION AND THAT DRAFTS
 ACCEPTED WITHIN THE TERMS OF THIS CREDIT WILL BE DULY HONORED AT
 MATURITY.

EXCEPT SO FAR AS OTHERWISE EXPRESSLY STATED, THIS CREDIT IS
 SUBJECT TO THE UNIFORM CUSTOMS AND PRACTICE FOR DOCUMENTARY
 CREDITS, 1993 REVISION, INTERNATIONAL CHAMBER OF COMMERCE
 PUBLICATION NO. 500.

REGARDS,


 AUTHORIZED SIGNATURE

CERTIFICATE OF COMPLETION AND COMPLIANCE

FILED

TO: HAMILTON COUNTY SURVEYOR

RE: The Crossings Section I
@ Springmill Villages

OFFICE OF HAMILTON COUNTY SURVEYOR

I hereby certify that:

- 1.) I am a Registered 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, and
- 4.) To the best of my knowledge, information and belief, the Drainage Facilities within the subdivision has been installed and completed in conformity with all plans and specifications.

Signature: _____

Duane A. Sharrer

Date: _____

9/1/94

Type or Printed Name: Duane A. Sharrer

Business Address: 3020 North Post Road

Indianapolis, IN 46226

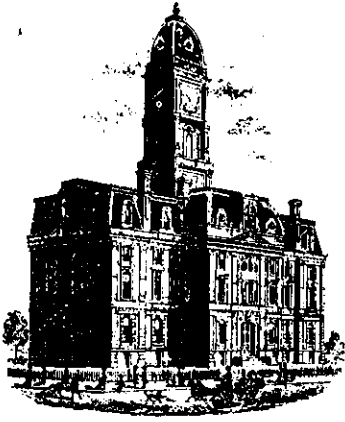
Telephone: 317-898-8282

INDIANA REGISTRATION NUMBER

890258

SEAL





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

July 23, 1996

TO: Hamilton County Drainage Board

RE: Springmill Villages Drain-The Crossing Section 1B Arm

Attached are As-Builts, Certificate of Completion and Compliance, and other information for Springmill Villages Drain-The Crossing Section 1B. 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 December 27, 1994. The changes are as followed:

STR 128 to 129	24"	RCP	shortened	from ²²⁹ 149'	to ²²⁸ 148 feet
STR 129 to 131	24"	RCP	lengthened	from 77'	to 78 feet
STR 131 to 132	24"	RCP	shortened	from 28'	to 26 feet
STR 132 to 133	18"	RCP	lengthened	from 156'	to 160 feet
STR 129 to 130	12"	RCP	lengthened	from 143'	to 144 feet ✓
STR 138 to 137	12"	RCP	shortened	from 28'	to 26 feet ✓
STR 137 to 136	12"	RCP	shortened	from 178'	to 177 feet
STR 136 to 139	12"	RCP	lengthened	from 430'	to 433 feet ✓
STR 139 to 140	12"	RCP	lengthened	from 200'	to 203 feet ✓
STR 148 to 145	12"	RCP	shortened	from 43'	to 41 feet ✓
STR 147 to 146	12"	RCP	shortened	from 42'	to 40 feet ✓
STR 146 to 145	12"	RCP	shortened	from 43'	to 40 feet ✓
STR 145 to 144	12"	RCP	shortened	from 150'	to 149 feet ✓
STR 144 to 143	12"	RCP	shortened	from 178'	to 177 feet ✓
STR 141 to 142	12"	RCP	shortened	from 142'	to 138 feet ✓
STR 143 to 149	12'	RCP	shortened	from 28'	to 26 feet ✓
STR 149 to 150	12"	RCP	lengthened	from 207'	to 209 feet ✓
STR 151 to 157	24"	RCP	lengthened	from 172'	to 173 feet
STR 157 to 158	21"	RCP	lengthened	from 297'	to 298 feet
STR 158 to 159	21"	RCP	shortened	from 88'	to 86 feet
STR 159 to 160	21"	RCP	lengthened	from 157'	to 158 feet
STR 160 to 161	15"	RCP	lengthened	from 380'	to 383 feet

The corrected total of six (6") inch SSD is 4,981 feet

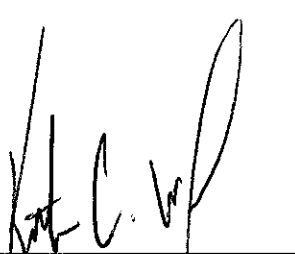
The length of the drain due to the changes described above is now ~~8,404~~ feet.

8484

The non-enforcement request was approved by the Board at its meeting on December 27, 1994.

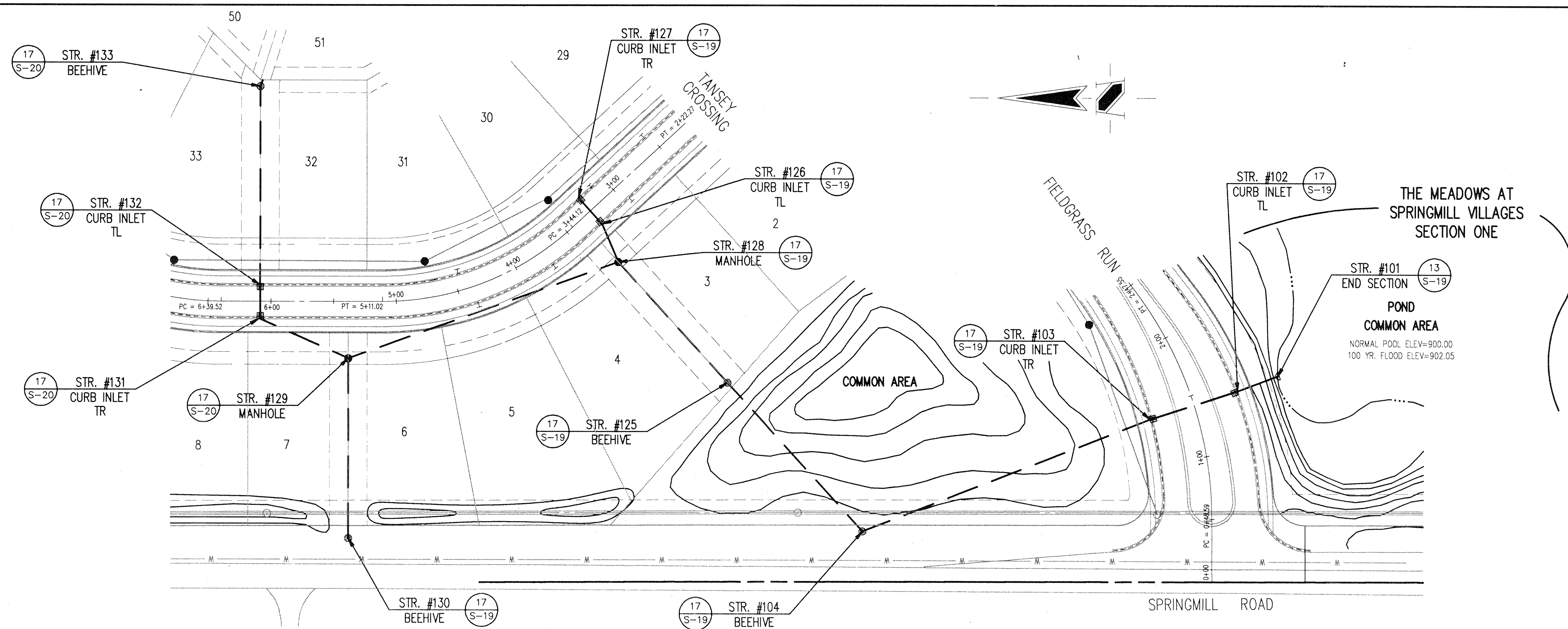
The Bond of Letter of Credit from NBD, number S 036573, dated May 26, 1994, in the amount of \$176,200.00, has expired.

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



Kenton C. Ward
Hamilton County Surveyor

KCW/no



- GENERAL NOTES:
1. ALL CUTS ARE TAKEN FROM THE EXISTING GRADE TO THE PIPE INVERT.
 2. ALL STATIONING IS TAKEN FROM THE NEAREST DOWNSTREAM STRUCTURE.
 3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
 4. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
 5. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
 6. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

HOLEY MOLEY SAYS
"DON'T DIG BLIND"

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

BENCH MARK
 U.S.C.&G. # 93 RWP 1951 BRASS DISK
 IN CONCRETE POST, S.W. CORNER OF
 146th STREET AND DITCH ROAD.
 ELEV.= 903.373

STORM SEWER PLAN

SCALE: 1"=50'

STORM SEWER RECORD DRAWING

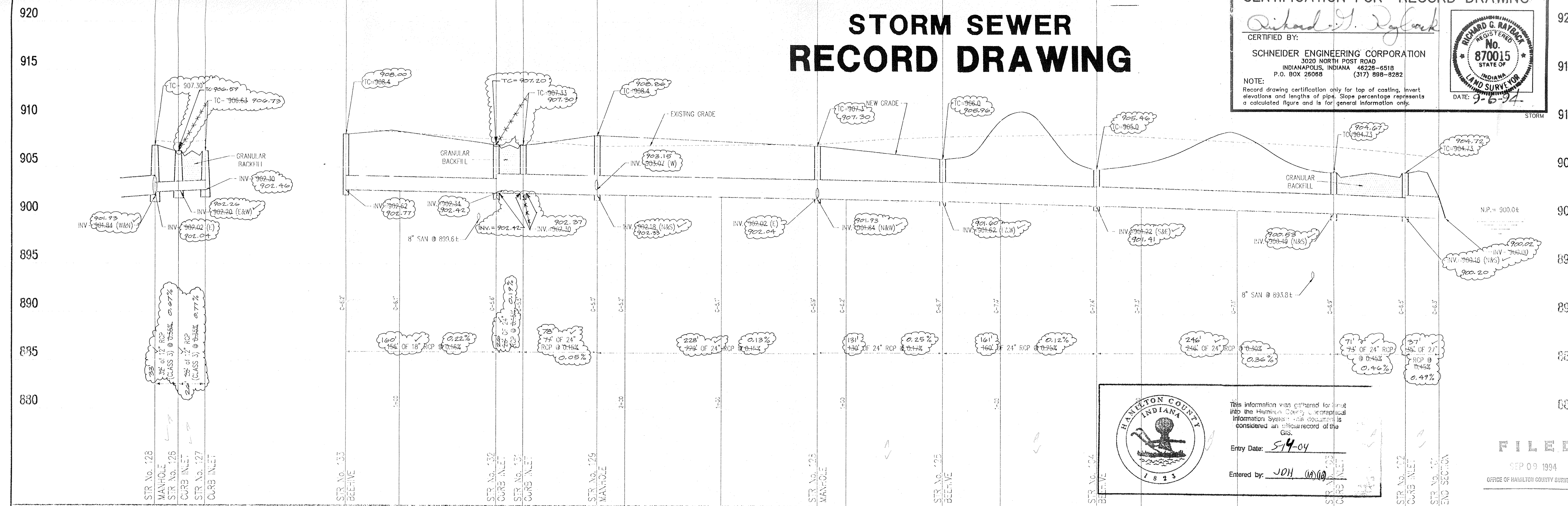
CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *Richard J. Ryback*

SCHNEIDER ENGINEERING CORPORATION
 3020 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46228-6518
 P.O. BOX 28088 (317) 888-8282

NOTE: Record drawing certification only for top of coating, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

DATE: 9-6-94



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

Entry Date: 5-14-04
 Entered by: JDIH (M)

FILED
 SEP 09 1994
 OFFICE OF HAMILTON COUNTY SURVEYOR

STORM SEWER PROFILE

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

REVISIONS	DATE	CHECK	BY
1	3/27/94	1	OMP
2	2/19/94	1	OMP

PROJECT: THE CROSSINGS SECTION ONE
 PREPARED FOR: BREWICK DEVELOPMENT CO. INC.
 TITLE: STORM SEWER PLAN & PROFILE

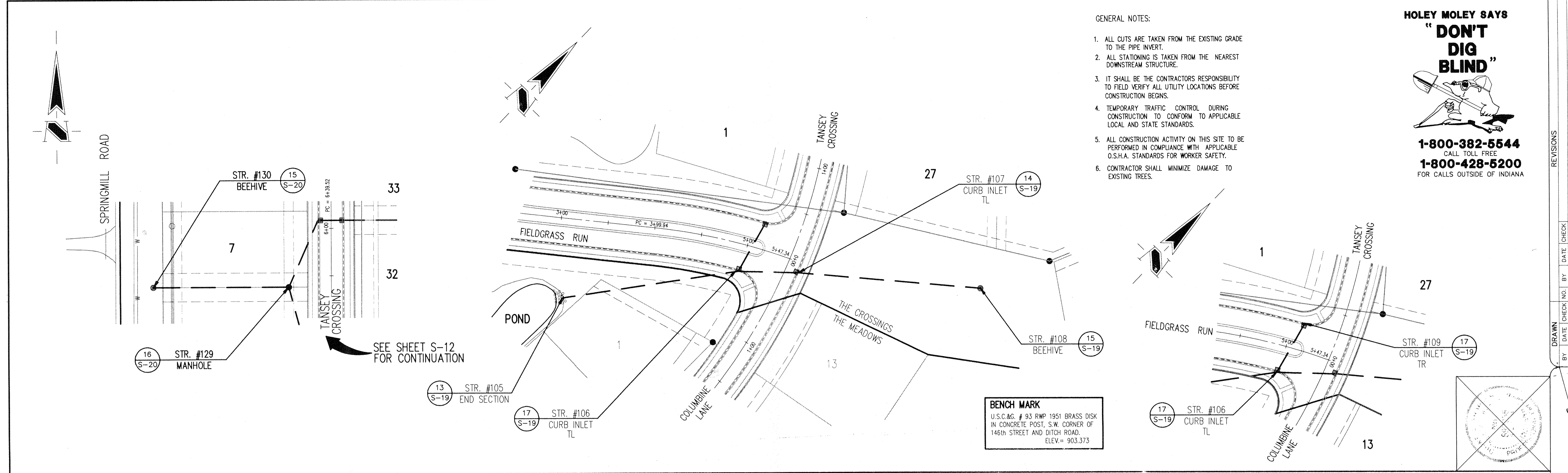
SHEET 5-12 OF 20

HOLEY MOLEY SAYS
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STORM SEWER PLAN

SCALE: 1"=50'

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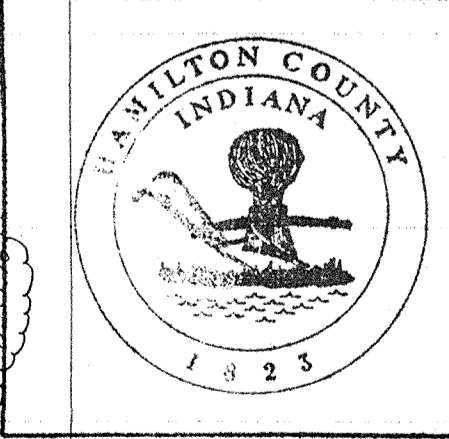
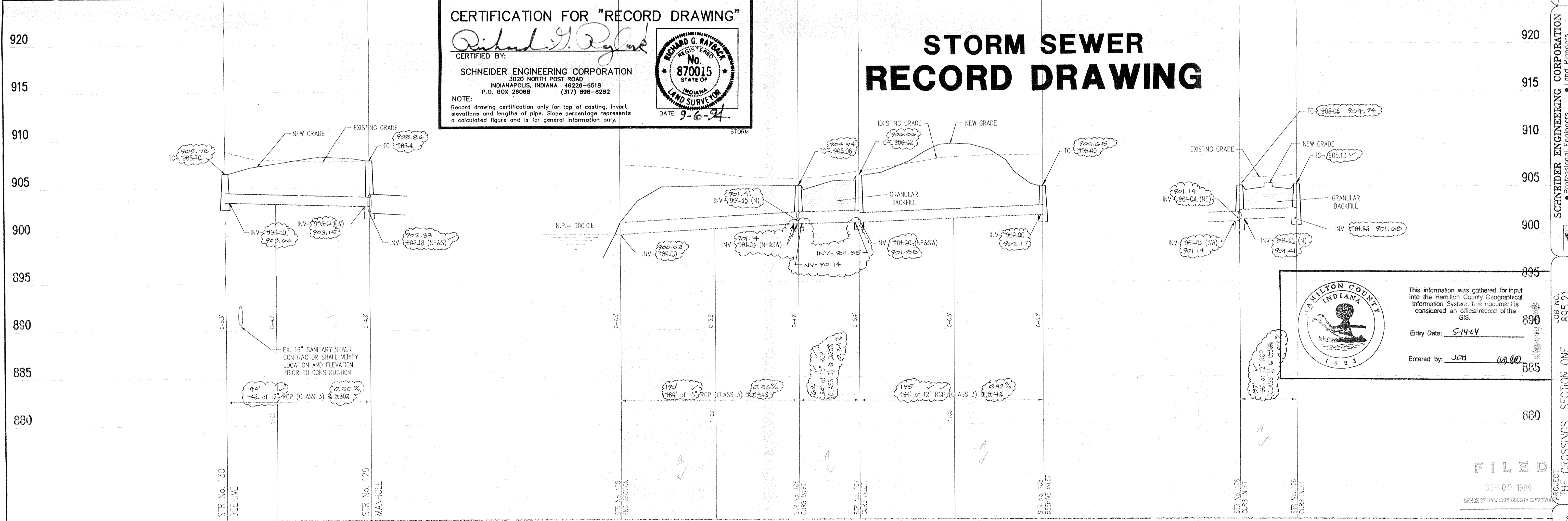
CERTIFIED BY: *Richard J. Ryland*

SCHNEIDER ENGINEERING CORPORATION
 3020 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46226-6518
 P.O. BOX 28068 (317) 898-8282

NOTE: Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

RICHARD G. RAYBACK
 REGISTERED
 No. 870015
 STATE OF INDIANA
 LAND SURVEYOR
 DATE: 9-6-94

STORM SEWER RECORD DRAWING



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Entry Date: 5-14-04

Entered by: JPH (A) (B)

FILED
 SEP 09 1994
 OFFICE OF HAMILTON COUNTY SURVEYOR

STORM SEWER PROFILE

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

REVISIONS

NO.	DATE	CHECKED BY	DATE	CHECKED BY
1	2/2/94	CSB	3/9/94	CSB

DRAWN BY: CSB

Richard J. Ryland
 2/9/94
 CERTIFIED

SCHNEIDER ENGINEERING CORPORATION
 Professional Engineers • Land Planners
 Land Surveyors • Geologists
 3020 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46226-6518
 Telephone: (317) 898-8282
 Fax: (317) 898-8010

PROJECT: THE CROSSINGS SECTION ONE 895.21
 PREPARED FOR: BREWICK DEVELOPMENT CO., INC.
 TITLE: STORM SEWER PLAN & PROFILE

SHEET S-13 OF 20

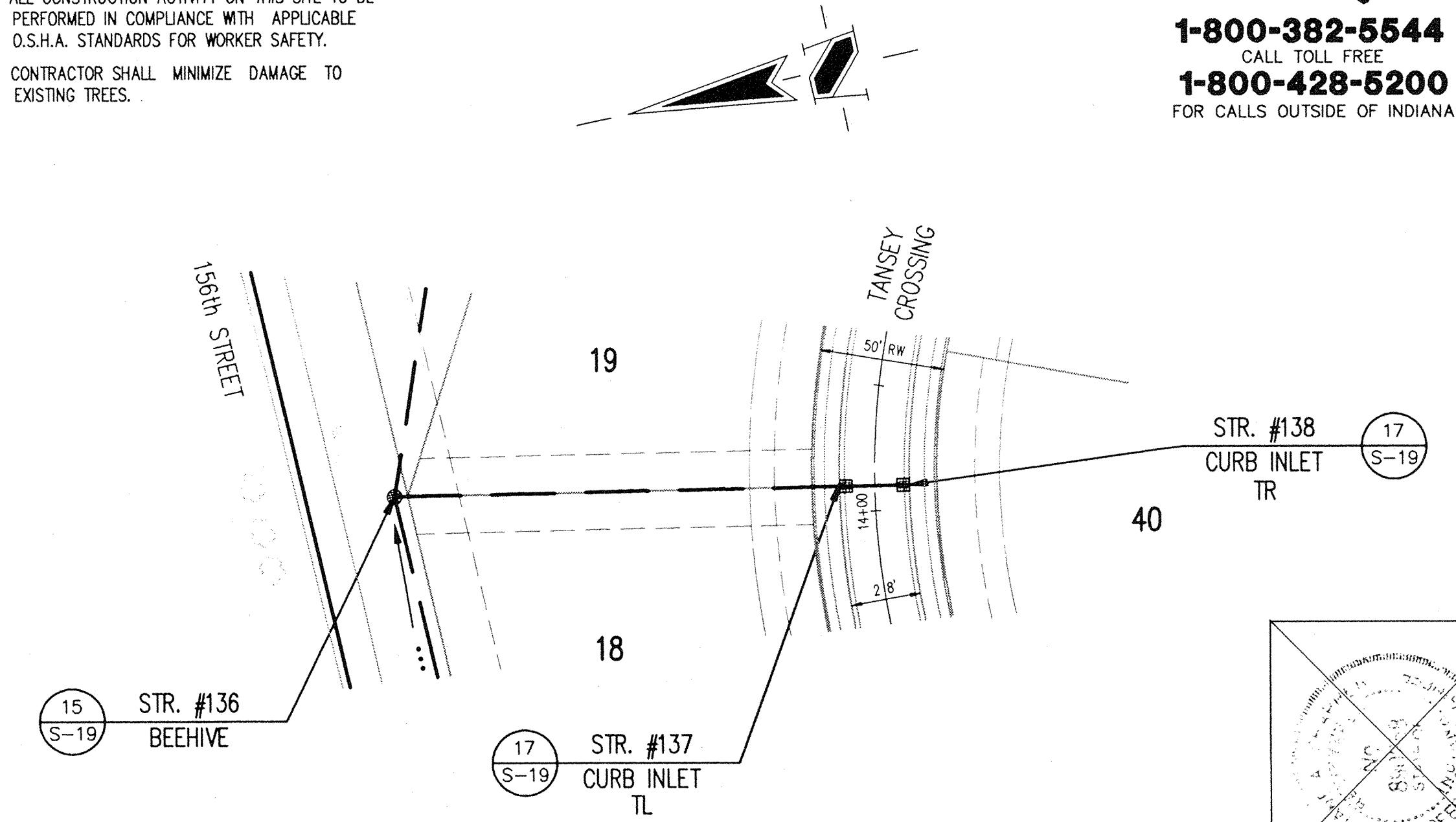
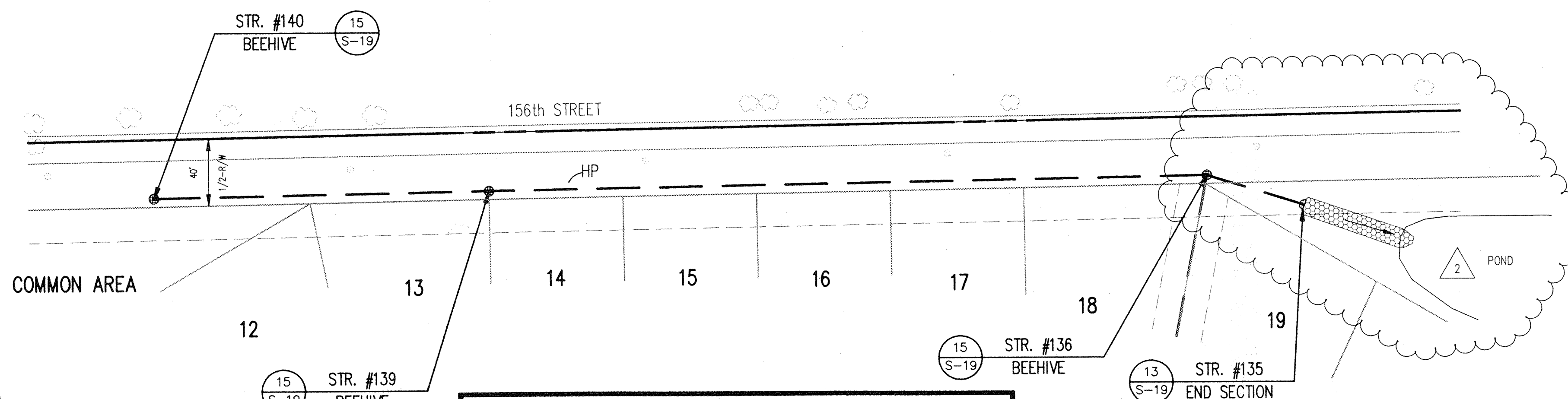
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GENERAL NOTES:

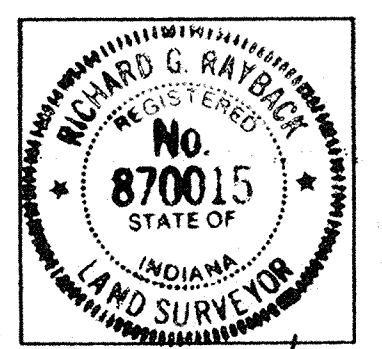
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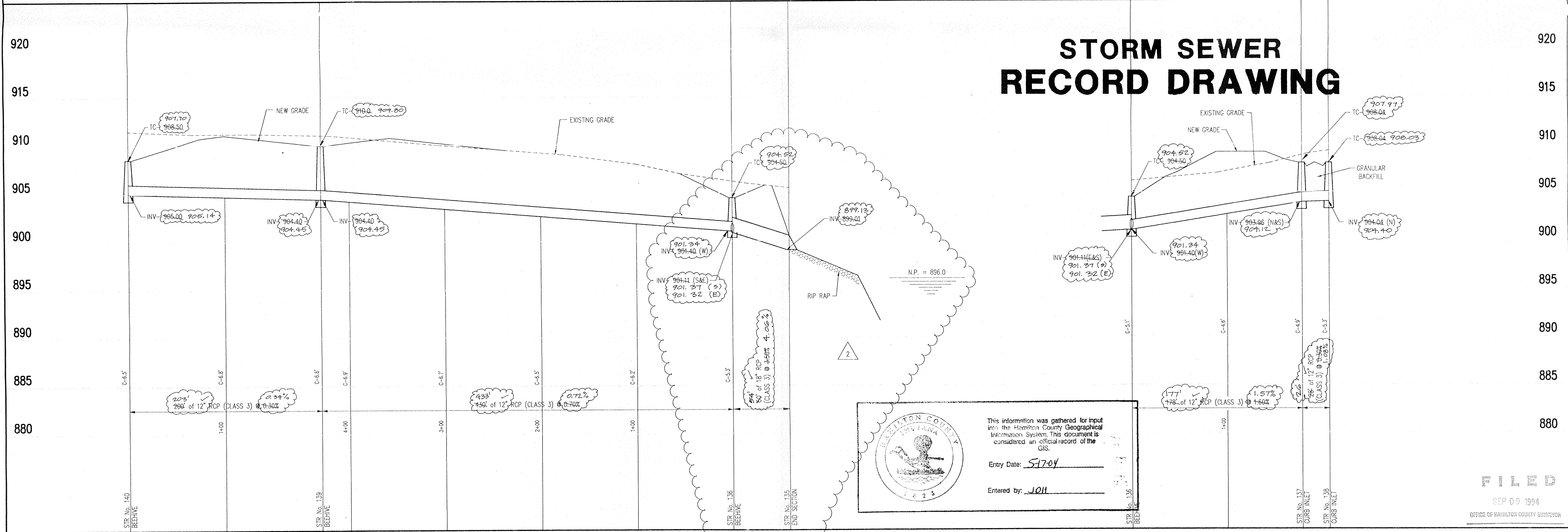
CERTIFICATION FOR "RECORD DRAWING"
 CERTIFIED BY:
Richard G. Raybuck
 SCHNEIDER ENGINEERING CORPORATION
 3020 NORTH POST ROAD
 INDIANAPOLIS, INDIANA 46226-6518
 P.O. BOX 28068 (317) 898-8282
 NOTE: Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.
 DATE: 9-6-94



BENCH MARK
 U.S.C.&G. # 93 RWP 1951 BRASS DISK
 IN CONCRETE POST, S.W. CORNER OF
 146th STREET AND DITCH ROAD.
 ELEV.= 903.373

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER RECORD DRAWING

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 Entry Date: 5-17-04
 Entered by: JQH

STORM SEWER PROFILE

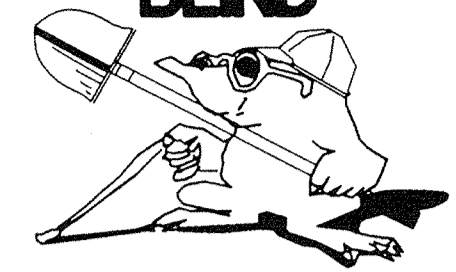
SCALE: HORZ.: 1"=50'
 VERT.: 1"=5'

REV. NO.	DATE	BY	CHECK	NO.	DESCRIPTION
1	3/9/94	CSJ	CSJ	1	REVISED TO GRADE AT STR. NO. 136
2	4/29/94	CSJ	CSJ	2	REV. STR. 135 LOCATION/REV. PROFILE

PROJECT: THE CROSSINGS SECTION ONE
 JOB NO.: 895.21
 PREPARED FOR: BRENNICK DEVELOPMENT CO., INC.
 TITLE: STORM SEWER PLAN & PROFILE
 SCALE: SHOWN
 SHEET OF 20
 FILED SEP 09 1994 OFFICE OF HAMILTON COUNTY SURVEYOR
 SCHNEIDER ENGINEERING CORPORATION
 Professional Engineers • Land Planners • Geologists
 Land Surveyors • Geotechnical Engineers
 3020 NORTH POST ROAD 6845 EAST U.S. 36, SUITE 500
 INDIANAPOLIS, INDIANA 46226-6518 DANVILLE, INDIANA 46122
 Telephone: (317) 898-8282 Fax: (317) 772-0412
 Fax: (317) 898-8010

HOLEY MOLEY SAYS

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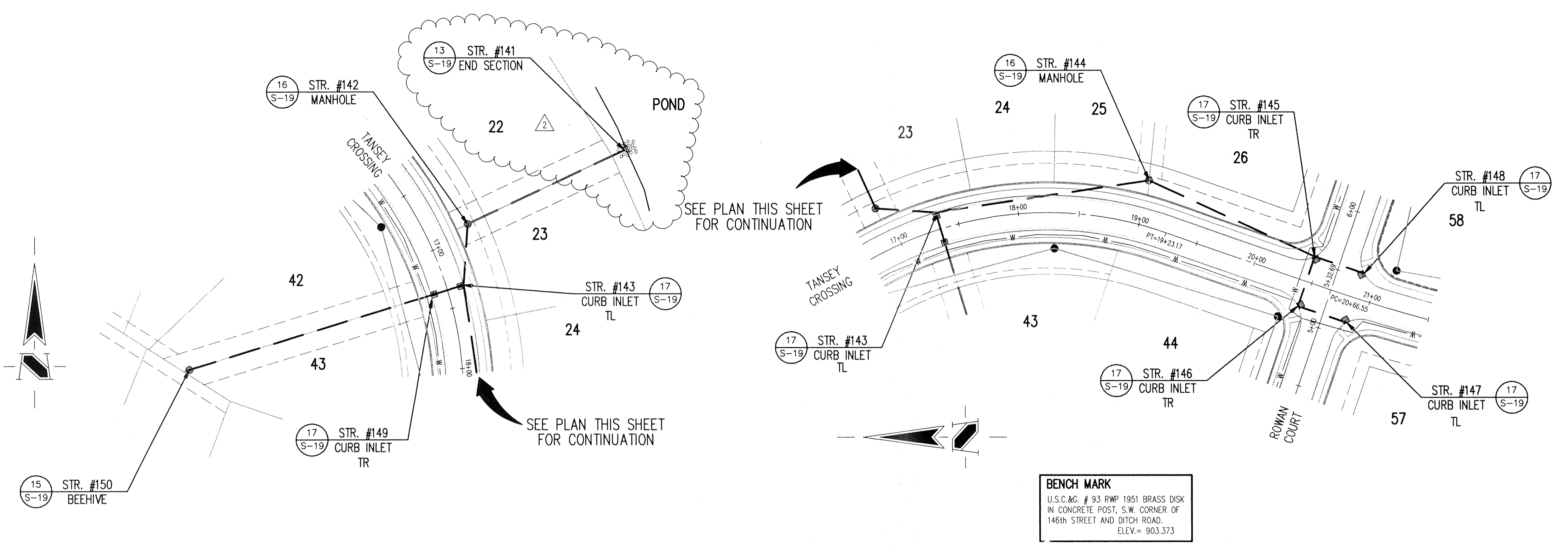
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REVISIONS

NO.	DATE	BY	CHECK
1	1/27/94	CS	CS
2	4/29/94	CS	CS

DATE: 1/27/94
BY: CS
CHECK: CS



BENCH MARK
U.S.C. & G. # 93 RWP 1951 BRASS DISK
IN CONCRETE POST, S.W. CORNER OF
146th STREET AND DITCH ROAD.
ELEV. = 903.373

STORM SEWER PLAN

SCALE: 1"=50'

CERTIFICATION FOR "RECORD DRAWING"

CERTIFIED BY: *Richard J. Payback*

SCHNEIDER ENGINEERING CORPORATION
3020 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46226-6518
P.O. BOX 26068 (317) 898-8282

NOTE: Record drawing certification only for top of casing, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

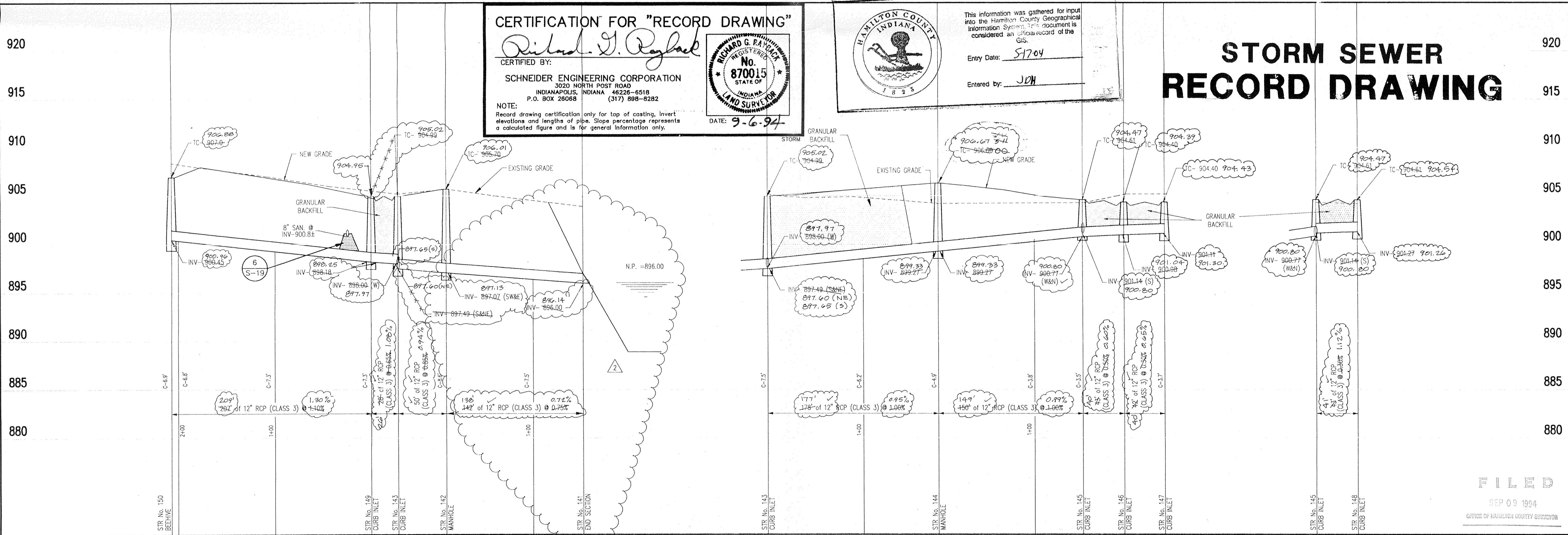
RICHARD G. PAYBACK
REGISTERED
No. 870015
STATE OF INDIANA
LAND SURVEYOR
DATE: 9-6-94

HAMILTON COUNTY INDIANA

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Entry Date: 5/7/04
Entered by: JDM

STORM SEWER RECORD DRAWING



STORM SEWER PROFILE

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

SCHNEIDER ENGINEERING CORPORATION
Professional Engineers
Land Planners
Geologists
Land Surveyors

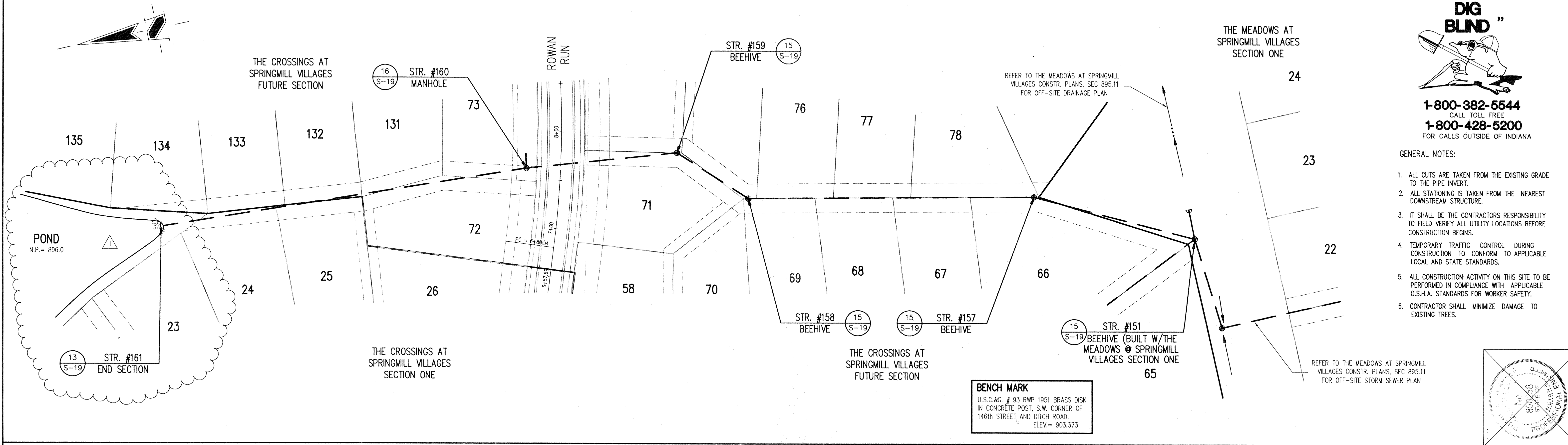
8848 EAST U.S. 36, SUITE 500
DANVILLE, INDIANA 46121-5000
INDIANAPOLIS, INDIANA 46226-6518
Telephone (317) 898-8282
Fax (317) 699-8010

PROJECT: THE CROSSINGS SECTION ONE 895-21
PREPARED FOR: BRENNICK DEVELOPMENT CO. INC.
TITLE: STORM SEWER PLAN & PROFILE

SCALE: SHOWN

SHEET OF 20

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**HOLEY MOLEY SAYS
"DONT
DIG
BLIND"**

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- GENERAL NOTES:
- ALL CUTS ARE TAKEN FROM THE EXISTING GRADE TO THE PIPE INVERT.
 - ALL STATIONING IS TAKEN FROM THE NEAREST DOWNSTREAM STRUCTURE.
 - IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
 - TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
 - ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
 - CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

REVISIONS

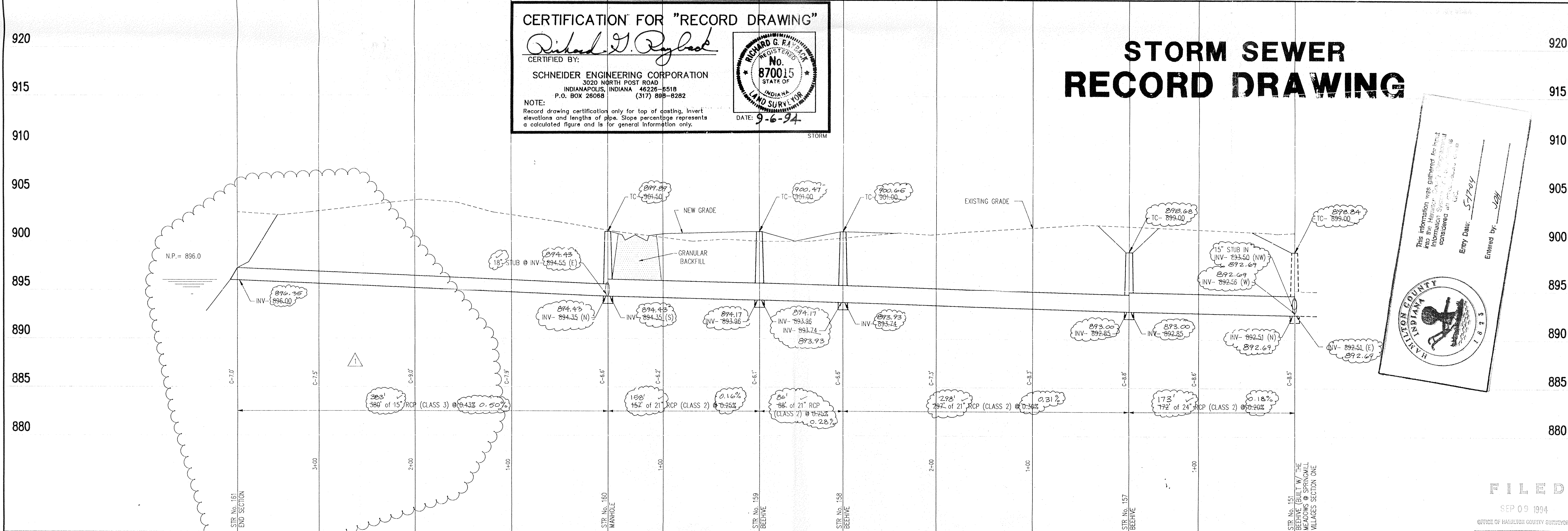
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1	17/94		SSD
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DATE: 17/94
CHECKED BY: SSD
DATE: 17/94

REV. STR. 161 LOCATION ON PLAN & PROFILE

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

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

PROJECT: THE CROSSINGS SECTION ONE
PREPARED FOR: BRENNICK DEVELOPMENT CO., INC.
TITLE: OFFSITE STORM SEWER PLAN & PROFILE

SCALE: 1"=50'

SHEET S-16 OF 20

REGISTERED PROFESSIONAL ENGINEER
LAND SURVEYOR
SCHEIDT ENGINEERING CORPORATION
3020 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46226-6518
Telephone: (317) 898-8282
Fax: (317) 897-9010

DATE: 9-6-94
ENTERED BY: JJJ

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SEP 09 1994
OFFICE OF HAMILTON COUNTY SURVEYOR