Drain: CROOKED CREEK DRAIN **Drain #:** 250
Improvement/Arm: ASH BROOKE - SECTION 3
Operator: JDH **Date:** 11-25-03
Drain Classification: **Urban/Rural** **Year Installed:** 1995

GIS Drain Input Checklist

- Pull Source Documents for Scanning — JDH 11-25
- Digitize & Attribute Tile Drains — N/A
- Digitize & Attribute Storm Drains — JDH 11-25
- Digitize & Attribute SSD — JDH 11-25
- Digitize & Attribute Open Ditch — N/A
- Stamp Plans — JDH 11-25
- Sum drain lengths & Validate — JDH 11-25
- Enter Improvements into Posse — JDH 11-25
- Enter Drain Age into Posse — JWJ
- Sum drain length for Watershed in Posse — JWJ
- Check Database entries for errors — JDH 11-25

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: CROOKED CREEK DRAIN - ASHBROOK - SECTION 3

Drain Type:	Size:	Length (SURVEYOR'S REPORT)	Length (DB Query)	Length Reconcile	Price:	Cost:
SSD	6"	2,899'	2,899	Ø	$2.00	$5,798.00
RCP	12"	632'	632'	Ø	7.25	4,582.00
	15"	191'	193'	+2'	9.50	1,833.50
	18"	189'	189'	Ø	10.50	1,984.50
	24"	404'	404'	Ø	18.00	7,272.00
	30"	308'	312'	+4'	24.60	7,675.20
	Sum:	4,623'	4,629'	+6'		$29,145.20

Final Report: _____

Comments:

SURVEY REPORT NOT CALCULATED CORRECTLY.

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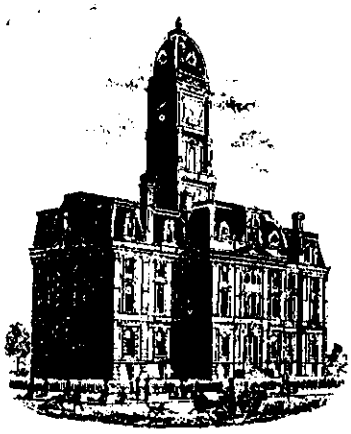

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
776-8495

Suite 146
One Hamilton County Square
Noblesville, Indiana 46060-2230

TO: Hamilton County Drainage Board

RE: Crooked Creek Drain [redacted]
Ashbrooke Sec 3

Attached are as-builts, certificate of completion & compliance, and other information for Ashbrooke Sec 3. 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 11-30-94. The changes are as follows:

Over →

The length of the drain due to the changes described above is now 4629 feet.

~~During construction of the drain there were not any significant changes made to the plans submitted with my report dated _____. Therefore, the length of the drain remains at _____ feet.~~

~~Attached also is a non-enforcement for the drain which I recommend that the Board approve at this time.~~ The non-enforcement was approved by the Board at its meeting on 1-23-95.

The bond or letter of credit from Brenwick Dev. Co. was not required. ~~_____, number _____, dated _____, in the amount of _____, has been recommended for release in a letter to the Commissioners dated _____.~~

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

Sincerely,

Kenton C. Ward,
Hamilton County Surveyor

KCW/jh

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The 6"SSD was incorrectly reported. The total length of 6"SSD is 2899 feet. STR 104-105 was incorrectly reported as 30"RCP. [redacted] The correct RCP is 24" at 28' feet.

STR 101-102	30" RCP	shortened from 92' feet to 75' feet.
STR 103-104	30" RCP	lengthened from 167' feet to 168' feet.
STR 106-107	12" RCP	Shortened from 371' feet to 370' feet.
STR 109-110	18" RCP	Shortened from 26' feet to 24' feet.
STR 110-111	18" RCP	lengthened from 164' feet to 165' feet.
STR 111-112	12" RCP	shortened from 264' feet to 262' feet.
STR 113-114	15" RCP	Shortened from 165' feet to 165' feet.
STR 114-115	15" RCP	Shortened from 30' feet to 28' feet.

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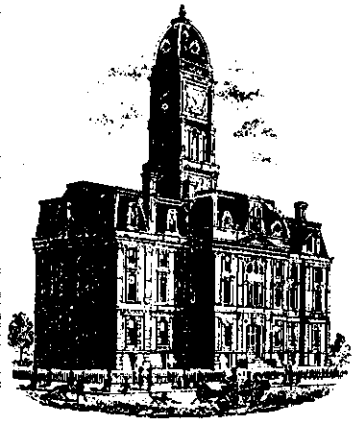

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
776-8495

Suite 146
One Hamilton County Square
Noblesville, Indiana 46060-2230

November 30, 1994

TO: Hamilton County Drainage Board

RE: Crooked Creek Drain-Ashbrooke Arm-Section 3 and 4

Attached is a petition, non-enforcement request, plans, calculations, quantity summary, and assessment roll for the Ashbrooke Arm-Section 3 and 4 -Crooked 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:

Ashbrooke-Section 3

6"	SSD	2894 feet	24"	RCP	376 feet
12"	RCP	635 feet	30"	RCP	352 feet
15"	RCP	194 feet			
18"	RCP	190 feet			

Ashbrooke-Section 4

6"	SSD	2786 feet	30"	RCP	249 feet
15"	RCP	247 feet	36"	RCP	176 feet
18"	RCP	103 feet			

The length of drain in Section 3 is ~~4648~~ 4651 feet and in Section 4 3561 feet.

The total length of the drain will be 8209 feet for both sections.

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The retention pond (lake) located in the common areas is not to be considered part of the regulated drain. Only the inlet and outlet will be maintained as part of the regulated drain. The maintenance of the pond (lake) will be the responsibility of the 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 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 $30.00 per lot, $5.00 per acre for roadways, with a $30.00 minimum. With this assessment the total annual assessment for this drain/**this section** will be $ 1440.00 .

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 Ashbrooke-Section 3 & 4 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 1995.

Kenton C. Ward
Hamilton County Surveyor
KCW/no

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CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR

RE: ASHBROOKE SECTION FOUR

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: August 31, 1994

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

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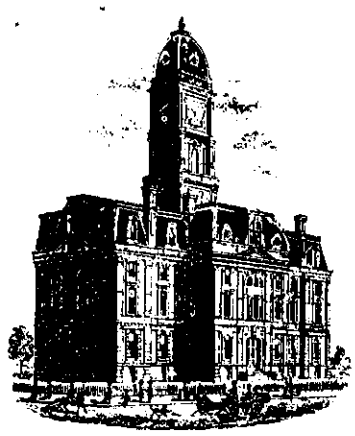

SURVEYOR'S OFFICE

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 24, 1996

To: Hamilton County Drainage Board

Re: Crooked Creek Drain
Ashbrooke Section 3

Attached are as-builts, certificate of completion & compliance, and other information for Ashbrooke Section 3. 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 30, 1994. The changes are as follows:

The 6" SSD was incorrectly reported. The total length of 6" SSD is 2899 feet.
STR 104-105 was incorrectly reported as 30" RCP. The correct RCP is 24" at 28' feet.

STR 101-102	30" RCP	Shortened from 92' feet to 75' feet.
STR 103-104	30" RCP	Lengthened from 167' feet to 168' feet.
STR 106-107	12" RCP	Shortened from 371' to 370' feet.
STR 109-110	18" RCP	Shortened from 26' feet to 24' feet.
STR 110-111	18" RCP	Lengthened from 164' feet to 165' feet.
STR 111-112	12" RCP	Shortened from 264' feet to 262' feet.
STR 113-114	15" RCP	Shortened from 166' feet to 165' feet.
STR 114-115	15" RCP	Shortened from 30' feet to 28' feet.

The length of the drain due to the changes described above is now ~~4629~~ 4623 feet.

The non-enforcement was approved by the Board at its meeting on January 23, 1995.

The bond or letter of credit from Brenwick Developement Co. was not required.

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

Sincerely,

Kenton C. Ward
Hamilton County Surveyor

KCW/ndw

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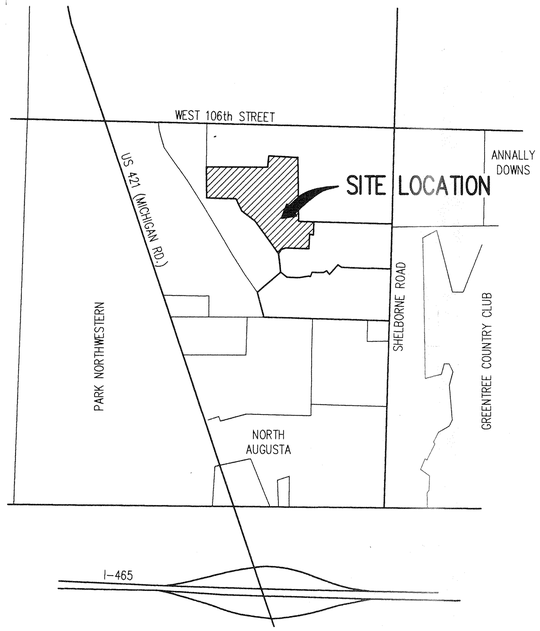
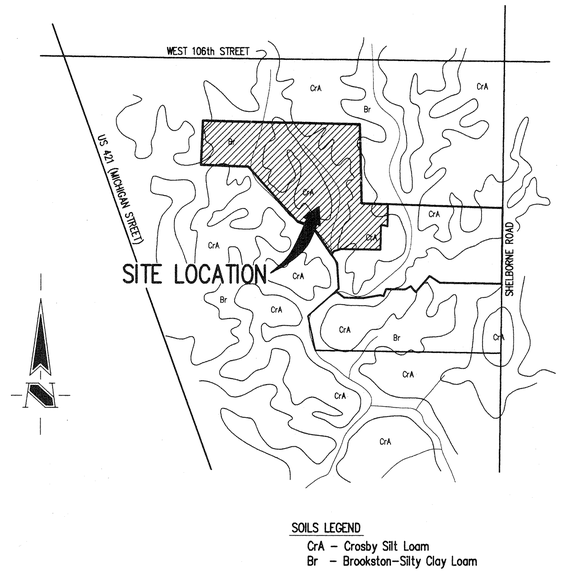
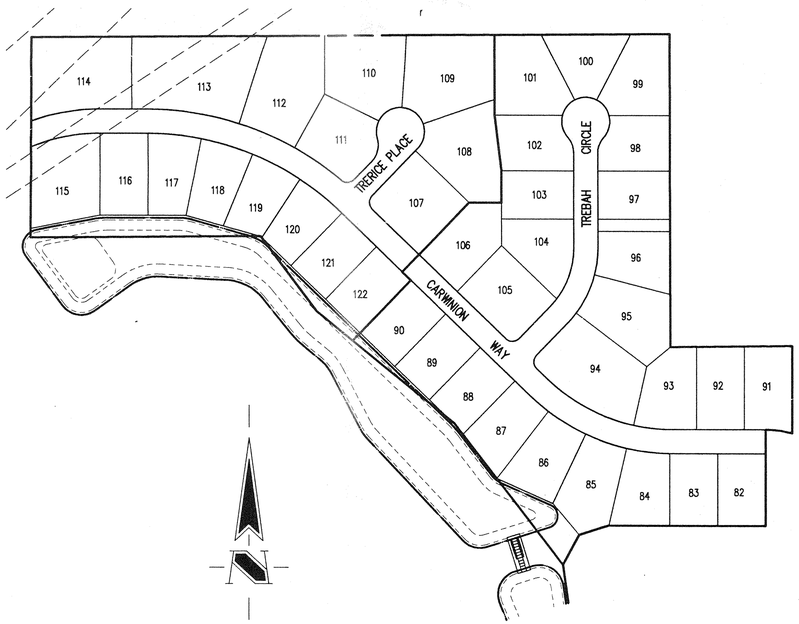


AREA MAP
NOT TO SCALE



SOILS LEGEND
CrA – Crosby Silt Loam
Br – Brookston-Silty Clay Loam

SOILS MAP
NOT TO SCALE



SITE MAP
SCALE: 1"=150'

SECTION 7–T17N–R3E

ASHBROOKE SECTIONS 3 & 4

(CONSTRUCTION PLANS)

CLAY TOWNSHIP
HAMILTON COUNTY, INDIANA

DEVELOPER:

BRENWICK DEVELOPMENT CO., INC.
9502 ANGOLA COURT
INDIANAPOLIS, INDIANA 46268
(317) 841-9102

Engineer:

SCHNEIDER ENGINEERING CORP.
3020 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46226
(317) 898-8282 FAX (317) 899-8010

INDEX

SHEET No.	DESCRIPTION
S–1	COVER SHEET
S–2	DEVELOPMENT PLAN–SECTION 3
S–3	DEVELOPMENT PLAN–SECTION 4
S–4	EROSION CONTROL PLAN–SECTION 3
S–5	EROSION CONTROL PLAN–SECTION 4
S–6	STREET PLAN
S–7	STREET PLAN
S–8	STREET PLAN
S–9	INTERSECTION & CUL–DE–SAC DETAILS
S–10	SANITARY SEWER PLAN
S–11	SANITARY SEWER PLAN
S–12	STORM SEWER PLAN
S–13	STORM SEWER PLAN
S–14	STORM SEWER PLAN
S–15	GENERAL DETAILS
S–16	SPECIFICATIONS

This information was gathered for input into the Hamilton County Cooperative Information System. This document is considered an official record of the GIS.
Entry Date: 11-25-03
Entered by: JDH
HAMILTON COUNTY INDIANA 1822

Schneider Engineering Corporation
PROFESSIONAL ENGINEERS–LAND SURVEYORS–LAND PLANNERS–GEOLOGISTS
INDIANAPOLIS
3020 NORTH POST ROAD
INDIANAPOLIS, INDIANA 46226–6518
Telephone (317) 898–8282 FAX (317) 899–8010
AVON
6845 EAST U.S. 36, SUITE 500
DANVILLE, INDIANA 46122
Telephone (317) 272–0108 FAX (317) 272–0412

DUANE A. SHARRER REGISTERED No. 890258 STATE OF INDIANA PROFESSIONAL ENGINEER

CERTIFIED BY: Duane A. Sharrer DATE: 3/30/94

FILED
SEP 09 1994
OFFICE OF HAMILTON COUNTY SURVEYOR

(JOB No. 813.30)

PROJECT ENGINEER: DKS
CHECKED BY: _____ DATE CHECKED: 4/27/93

RECORD DRAWING

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Benchmarks

NOTE:
The elevation datum used for this project was formulated to coincide with topographic mapping created from aerial photography. This mapping was preparedby a consultant using an incorrect elevation value for USC&GS Benchmark T-78. Since this mapping USC&GS Benchmark T-78 has been destroyed. Previous surveys have established that a discrepancy existed between USC&GS Benchmarks T-78 and S-78. The combination of these situations results in establishing an elevation datum based on an elevation value 1.12 feet greater than the published value for USC&GS Benchmark S-78. The following benchmarks are established on site with values adjusted for use with this project only.

TBM 101
Top of railroad spike in centerline of Shelbourne Road approximately 1335 feet south of the centerline of 106th Street.
Elevation = 890.98

TBM 102
Top of boat spike in centerline of Shelbourne Road approximately 2600 feet south of the centerline of 106th Street.
Elevation = 885.42

TBM 103
P.K. nail in west side of power pole 1 foot up on the east side of Shelbourne Road approximately 2600 feet south of the centerline of 106th Street.
Elevation = 886.54

TBM 104
A cut square at the southeast corner of the concrete deck of a lift station on the south side of the subject site approximately 1600 feet west of the centerline of Shelbourne Road.
Elevation = 884.12

LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer w/Existing Laterals — Existing Laterals running to the opposite side of the street will be extended prior to construction of street.
- New Sanitary Sewer (Laterals are shown for reference only See Sanitary Plan & Profiles for Locations)
- Existing Contour
- Existing Elevation
- New Pavement Grade
- All Other Finish Grades
- Corrected Grades
- Storm Structure Number
- Sanitary Structure Number
- Flow Arrow
- Denotes Elevation and Approximate Pad Size
- Swale (fl)
- Swale
- 6" Subsurface Drain w/4" Lateral Connection
- Suggested Finish Floor Elevation

SANITARY SEWER TABLE

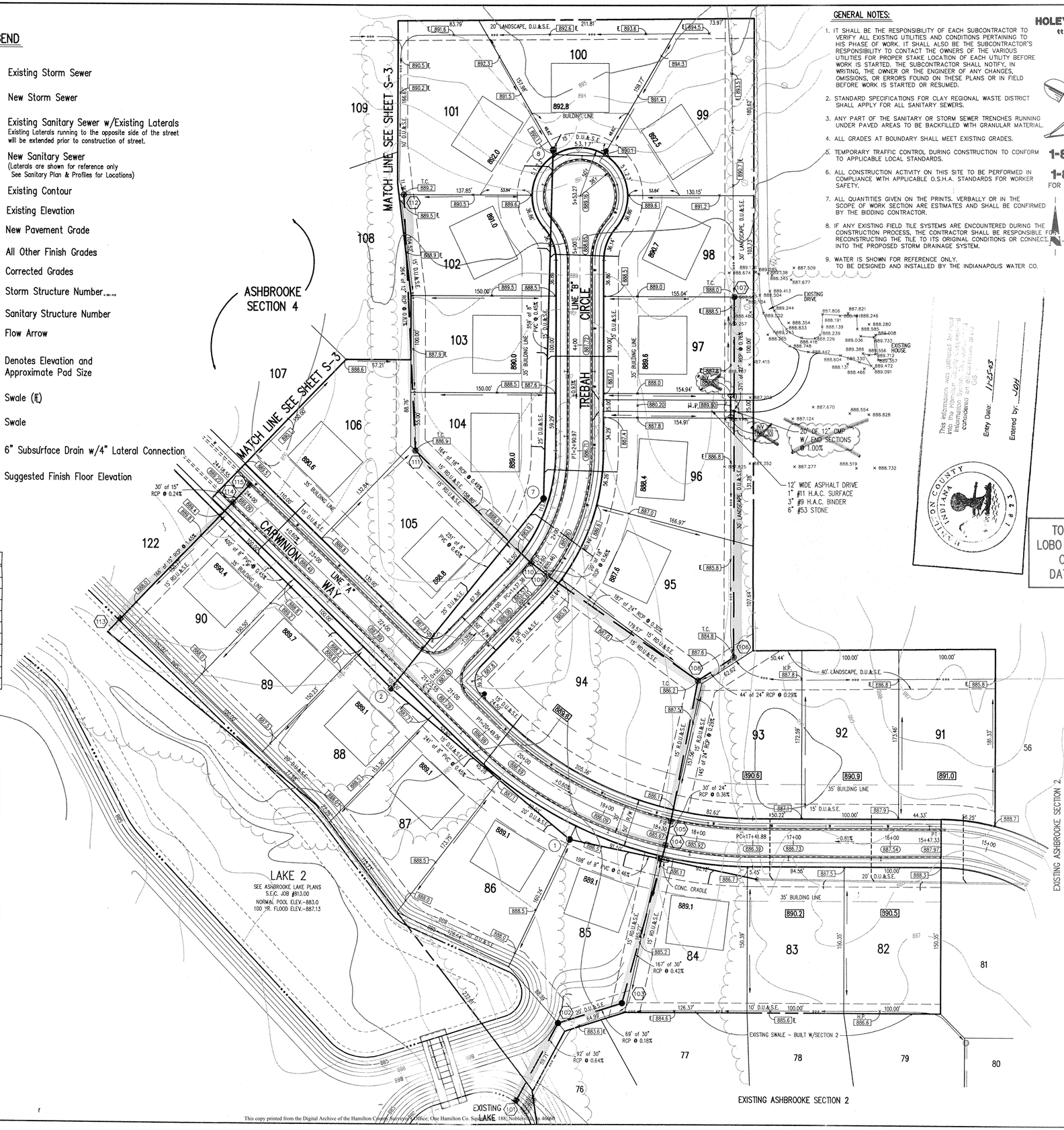
STR #	STA	BASE LINE	OFFSET	LT/RT	TYPE	TC	INVERTS
1	19+20	A	40'	LT	MANHOLE	886.6	879.15 (SE) [illegible] (NW)
2	21+50	A	35'	LT	MANHOLE	888.0	880.[illegible] (W & NE)
3	25+50	A	30'	LT	MANHOLE	[illegible]	882.2[illegible] 882.33 (NW & NE)
4	27+27	A	30'	LT	MANHOLE	[illegible]	883.10 (SE) 883.20 (NW)
5	29+37	A	40'	LT	MANHOLE	[illegible]	884.09 (SE) 884.19 (W)
6	31+37	A	[illegible]	[illegible]	MANHOLE	889.9	885.06 (E)
7	2+32	B	[illegible]	LT	MANHOLE	886.8	881.56 (SW) 881.66 (N)
8	[illegible]	[illegible]	2[illegible]	LT	MANHOLE	890.2	883.28 (S)
9	[illegible]	[illegible]	6.8'	RT	MANHOLE	891.9	882.58 (SW)

SEE PROFILE SHEETS

STORM SEWER TABLE

STR #	STA	BASE LINE	OFFSET	LT/RT	TYPE	TC	INVERTS
101	18+82	A	311'	LT	SLOPE WALL		879.00 (NE)
102	18+74	A	220'	LT	MANHOLE	884.9	879.59 (SW & E)
103	18+35	A	182'	LT	MANHOLE	884.2	879.71 (W & N)
104	18+30	A	15'	LT	CURB INLET	885.67	880.41 (S & N)
105	18+30	A	15'	RT	CURB INLET	885.67	880.52 (S & N)
106	17+80	A	189'	RT	BEEHIVE INLET	884.8	881.07 (SW) 881.78 (N)
107	4+50	B	160'	RT	BEEHIVE INLET	888.0	884.60 (S)
108	17+80	A	160'	RT	BEEHIVE INLET	886.2	880.94 (S) [illegible]
109	1+60	B	13'	RT	CURB INLET	885.46	881.[illegible]1 (NW)
110	1+60	B	13'	LT	CURB INLET	885.46	[illegible] 882.55 (NW)
111	2+87	B	170'	LT	BEEHIVE INLET	[illegible]86.9	[illegible]5 (SE) 883.75 (N)
112	5+54	B	183'	LT	BEEHIVE INLET	[illegible]2	886.05 (S)
113	24+00	A	181'	LT	[illegible]		883.00 (NE)
114	24+00	A	15'	LT	[illegible]	889.09	885.40 (SW & NE)
115	24+00	A	15'	LT	CURB INLET	889.09	885.47 (SW)
116	26+01	A	[illegible]	[illegible]	SLOPE WALL		883.00 (NE)
117	25+98.03	A	[illegible]	LT	CURB INLET	890.28	886.28 (SW & NE)
118	0+38.87	[illegible]	[illegible]3'	LT	CURB INLET	889.90	886.43 (SW & SE)
119	[illegible]	[illegible]	13'	RT	CURB INLET	889.90	886.49 (NW)
120	[illegible]29	A	206'	LT	UNDERWATER DISCHARGE		879.66 (N)
121	[illegible]+50	A	15'	LT	CURB INLET	888.22	883.39 (S & N)
122	29+50	A	15'	RT	CURB INLET	888.22	883.77 (S)
123	28+74	A	30'	RT	MANHOLE	889.8	882.99 (SW & N)
124	28+74	A	170'	RT	SPECIAL INLET		883.92 (S)
125	29+53	A	30'	LT	MANHOLE	888.5	880.15 (S) 882.40 (NE) 883.20 (N)

SEE PROFILE SHEETS



GENERAL NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. THE SUBCONTRACTOR SHALL NOTIFY, IN WRITING, THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
2. STANDARD SPECIFICATIONS FOR CLAY REGIONAL WASTE DISTRICT SHALL APPLY FOR ALL SANITARY SEWERS.
3. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
4. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
6. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
7. ALL QUANTITIES GIVEN ON THE PRINTS. VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
8. IF ANY EXISTING FIELD TILE SYSTEMS ARE ENCOUNTERED DURING THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING THE TILE TO ITS ORIGINAL CONDITIONS OR CONNECT INTO THE PROPOSED STORM DRAINAGE SYSTEM.
9. WATER IS SHOWN FOR REFERENCE ONLY. TO BE DESIGNED AND INSTALLED BY THE INDIANAPOLIS WATER CO.

HOLEY MOLEY SAYS, "DON'T DIG BLIND"

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

ASSUMED NORTH
SCALE: 1"=50'

This information was gathered for input into the Hamilton County Geographic Information System. It is subsequently considered an official county GIS.
Entry Date: 11-25-03
Entered by: JOH

TOPOGRAPHY BY LOBO AERIAL SURVEYS COLUMBUS, IN DATED 12-23-88

REVISIONS			
ENGINEERING/DRAWING CHECK			
ADD SANITARY SEWER			
ADD DRIVE, STORM PIPE & ADDITIONAL SPOT SHOTS FOR EXISTING HOUSE & DRIVEWAY			
"RECORD DWG."			

DRAWN		CHECK	NO.	BY	DATE	CHECK
BY	DATE					
JLS	7/24/93			JLS	4/27/95	
				DWM	7/10/96	
				JOH	11/25/03	

SCHNEIDER ENGINEERING CORPORATION
• Professional Engineers • Land Planners
• Land Surveyors • Geologists
3020 NORTH POST ROAD INDIANAPOLIS, INDIANA 46226-6518 Telephone (317) 898-9282 Fax (317) 895-9910
6845 EAST U.S. 36, SUITE 500 DANVILLE, INDIANA 46122 Telephone (317) 272-4108 Fax (317) 272-9442

CERTIFIED

RECORD DRAWING

PROJECT: ASHBROOKE – SECTION 3 & 4
PREPARED FOR: BRENWICK DEVELOPMENT CO., INC.
TITLE: DEVELOPMENT PLAN
JOB NO. 813.30
SCALE: 1"=50'

SHEET S-2 OF 16

FILE NAME: 813.30EV1

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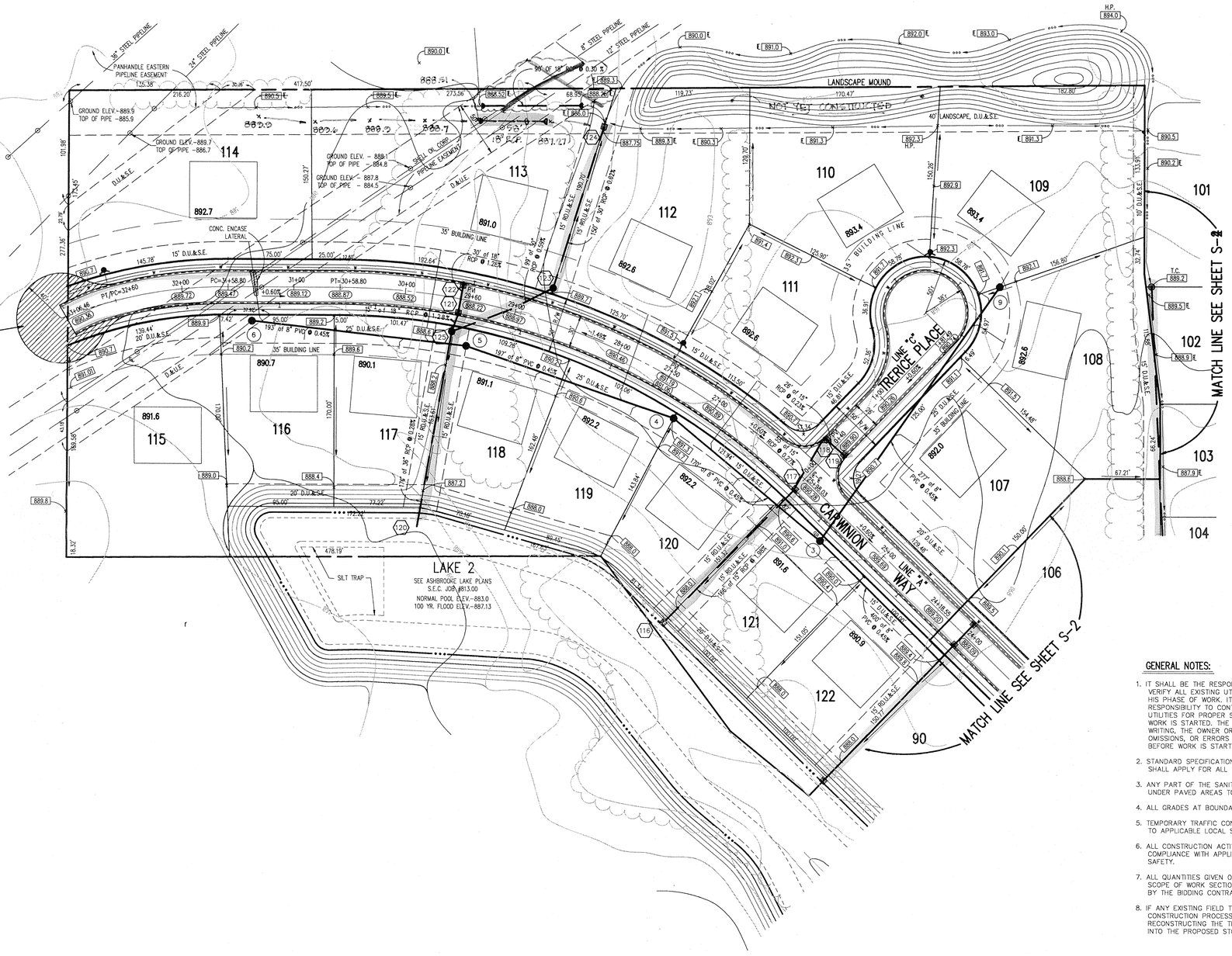
LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer w/Existing Laterals
- New Sanitary Sewer (Laterals are shown for reference only See Sanitary Plan & Profiles for Locations)
- Existing Contour
- Existing Elevation
- Minimum Pavement Grade
- All Outlish Grades
- Corrected Grades
- Storm Structure Number
- Sanitary Structure Number
- Flow Arrow
- Denotes Elevation and Approximate Pad Size
- Swale (fl)
- Swale
- 6" Subsurface Drain w/4" Lateral Connection

TOPOGRAPHY BY
LOBO AERIAL SURVEYS
COLUMBUS, IN
DATED 12-23-88



HOLEY MOLEY SAYS,
"DON'T DIG BLIND"

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CALL TOLL FREE
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FOR CALLS OUTSIDE OF INDIANA

ASSUMED NORTH
SCALE: 1"=50'

GENERAL NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF EACH SUBCONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. THE SUBCONTRACTOR SHALL NOTIFY, IN WRITING, THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
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3. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
4. ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
5. TEMPORARY TRAFFIC CONTROL CURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
6. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
7. ALL QUANTITIES GIVEN ON THE PRINTS. VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
8. IF ANY EXISTING FIELD TILE SYSTEMS ARE ENCOUNTERED DURING THE CONSTRUCTION PROCESS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONSTRUCTING THE TILE TO ITS ORIGINAL CONDITIONS OR CONNECT IT INTO THE PROPOSED STORM DRAINAGE SYSTEM.

Benchmarks

NOTE:

The elevation datum used for this project was formulated to coincide with topographic mapping created from aerial photography. This mapping was preparedby a consultant using an incorrect elevation value for USC&GS Benchmark T-78. Since this mapping USC&GS Benchmark T-78 has been destroyed. Previous surveys have established that a discrepancy existed between USC&GS Benchmarks T-78 and S-78. The combination of these situations results in establishing an elevation datum based on an elevation value 1.12 feet greater than the published value for USC&GS Benchmark S-78. The following benchmarks are established on site with values adjusted for use with this project only.

TBM 101
Top of railroad spike in centerline of Shelbourne Road approximately 1335 feet south of the centerline of 106th Street.
Elevation = 890.98

TBM 102
Top of boat spike in centerline of Shelbourne Road approximately 2600 feet south of the centerline of 106th Street.
Elevation = 885.42

TBM 103
P.K. nail in west side of power pole 1 foot up on the east side of Shelbourne Road approximately 2600 feet south of the centerline of 106th Street.
Elevation = 888.54

TBM 104
A cut square at the southeast corner of the concrete deck of a lift station on the south side of the subject site approximately 1600 feet west of the centerline of Shelbourne Road.
Elevation = 884.12

HAMILTON COUNTY INDIANA 1823

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

Entry Date: 11-25-03

Entered by: JDH

FILE
SEP 09 1994
OFFICE OF HAMILTON COUNTY SURVEYOR

RECORD DRAWING

PROJECT
ASHBROOKE SECTION 3 & 4

PREPARED FOR
BRENWICK DEVELOPMENT CO., INC.

TITLE
DEVELOPMENT PLAN

JOB NO. 813.30

SCALE: 1"= 50'

SHEET S-3 OF 16

SCHNEIDER ENGINEERING CORPORATION
• Professional Engineers • Land Planners
• Land Surveyors • Geologists
3020 NORTH POST ROAD
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Fax (317) 899-8010
6845 EAST U.S. 36, SUITE 500
DANVILLE, INDIANA 46122
Telephone (317) 272-1008
Fax (317) 272-0412

REVISIONS

	BY	DATE	CHECK
ADDED PIPELINE LOCATIONS & ELEVATIONS			
DIGITIZING/DRAFTING CHECK			
REV. LOTS & NUMBERS			
ADDED TEMP CUL-DE-SAC			
REDUCE LAKE 2 WEST END			
ADD STREET LOCATIONS & CONDUIT PLAN			
ADD STREET LOCATIONS FROM 92-60 TO 33.06.46 CARWINION WAY			
ADDED PIPE ALONG N. SIDE OF LOT 113			

DRAWN BY DATE CHECK
DAS 8/16/94
TDM 9/1/94

CERTIFIED

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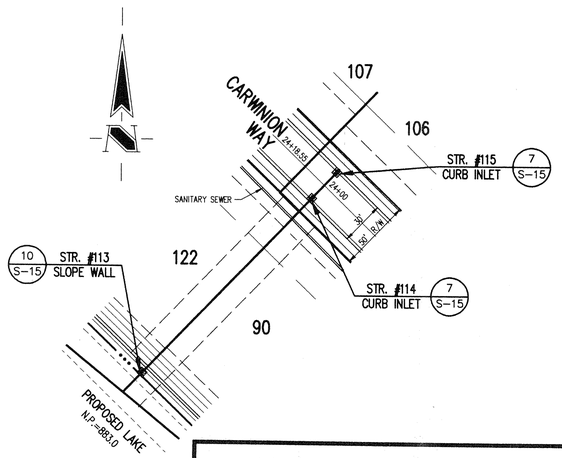

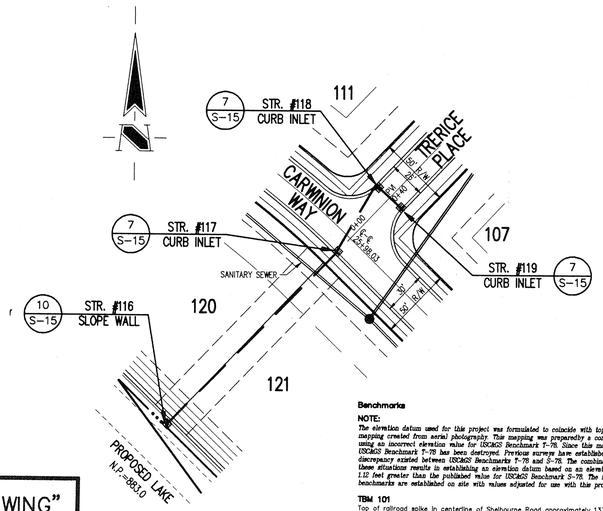

GENERAL NOTES:

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.
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Benchmarks

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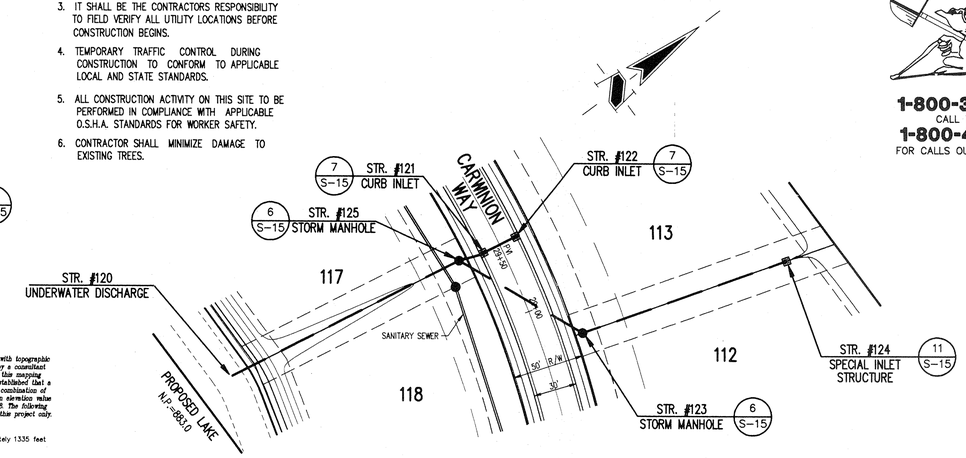
Top of boot spike in centerline of Shelbourne Road approximately 2600 feet south of the centerline of 106th Street.
Elevation = 885.42

TBM 103
P.K. nail in west side of power pole 1 foot up on the east side of Shelbourne Road approximately 2600 feet south of the centerline of 106th Street.
Elevation = 886.54

TBM 104
A cut square at the southeast corner of the concrete deck of a lift station on the south side of the subject site approximately 1600 feet west of the centerline of Shelbourne Road.
Elevation = 864.12



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CERTIFICATION FOR "RECORD DRAWING"

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P.O. BOX 26068 (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:

HAMILTON COUNTY INDIANA

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

Entry Date: 11-25-03

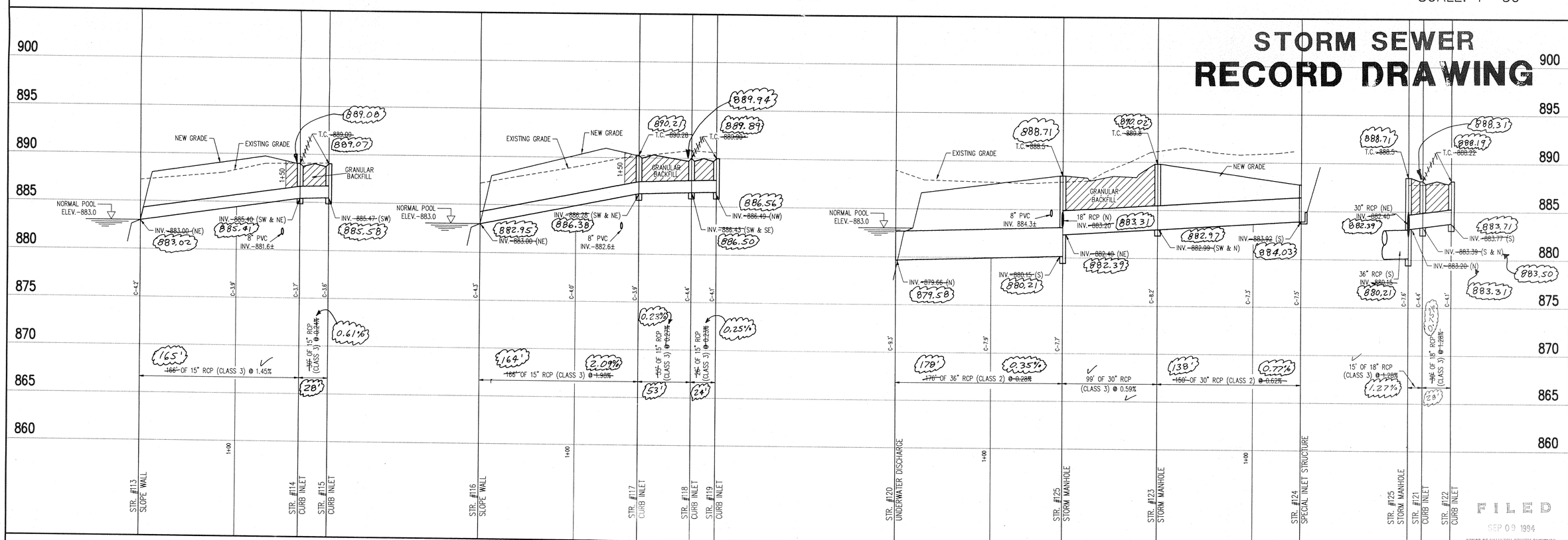
Entered by: JDH

TOPOGRAPHY BY
LOBO AERIAL SURVEYS
COLUMBUS, IN
DATED 12-23-88

STORM

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

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

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REVISIONS

DRAWN BY	DATE	CHECK NO.	BY	DATE	CHECK
TAS	7/24/93		TAS	8/27/93	
			TAS	5/12/93	
			TAS	9/15/94	

ENGINEERING/DRAFTING CHECK
REV. LOT NUMBERS
STORM SEWER "RECORD DWG"

CERTIFIED

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● Land Surveyors ● Geologists
3020 NORTH POST ROAD, INDIANAPOLIS, INDIANA 46226-6518, Telephone (317) 898-8282, Fax (317) 899-8010
6845 EAST U.S. 36, SUITE 500, DANVILLE, INDIANA 46122, Telephone (317) 272-0108, Fax (317) 272-0412

JOB NO. 813.30
SCALE: SHOWN

PROJECT: ASHBROOKE-SECTIONS 3 & 4
PREPARED FOR: BRENNWICK DEVELOPMENT CO., INC.
TITLE: STORM SEWER PLAN

SHEET S-14 OF 16

FILE NAME: 813.3STM3

Benchmarks

NOTE:
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Elevation = 885.42

TBM 103
P.K. nail in west side of power pole 1 foot up on the east side of Shelbourne Road approximately 2600 feet south of the centerline of 106th Street.
Elevation = 886.54

TBM 104
A cut square at the southeast corner of the concrete deck of a lift station on the south side of the subject site approximately 1600 feet west of the centerline of Shelbourne Road.
Elevation = 884.12

GENERAL NOTES:

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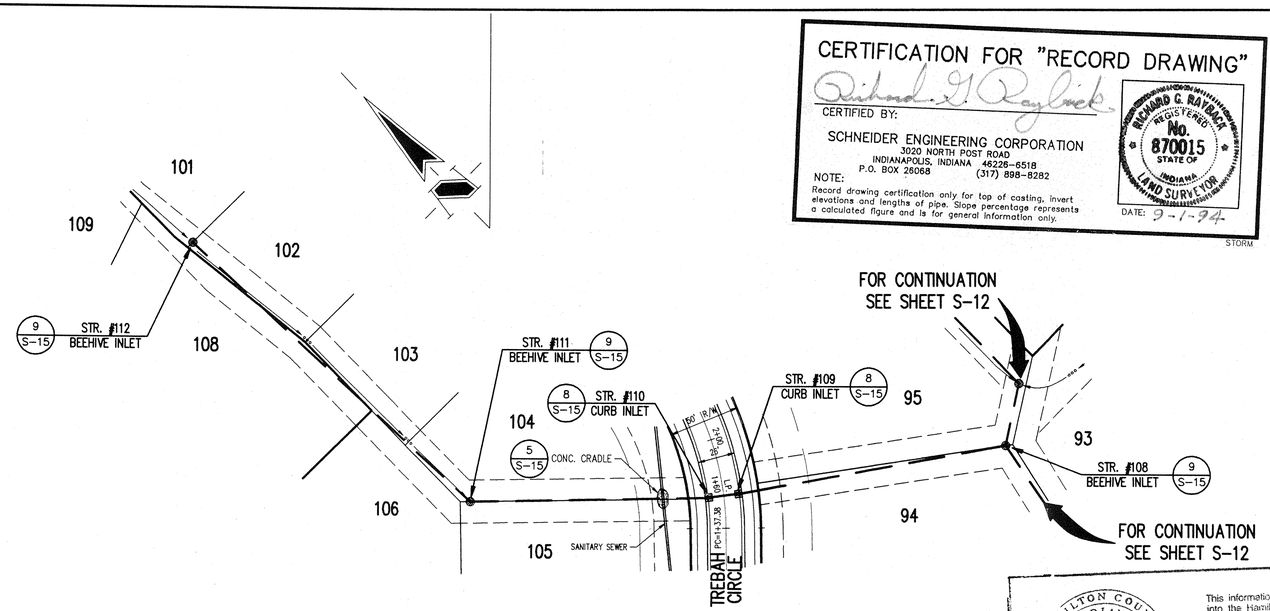

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NOTE:
Record drawing certification only for top of casting, invert elevations and lengths of pipe. Slope percentage represents a calculated figure and is for general information only.

RICHARD G. RAYLINCK REGISTERED No. 870015 STATE OF INDIANA LAND SURVEYOR

DATE: 9-1-94

STORM

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LOBO AERIAL SURVEYS
COLUMBUS, IN
DATED 12-23-88

HAMILTON COUNTY INDIANA 1823

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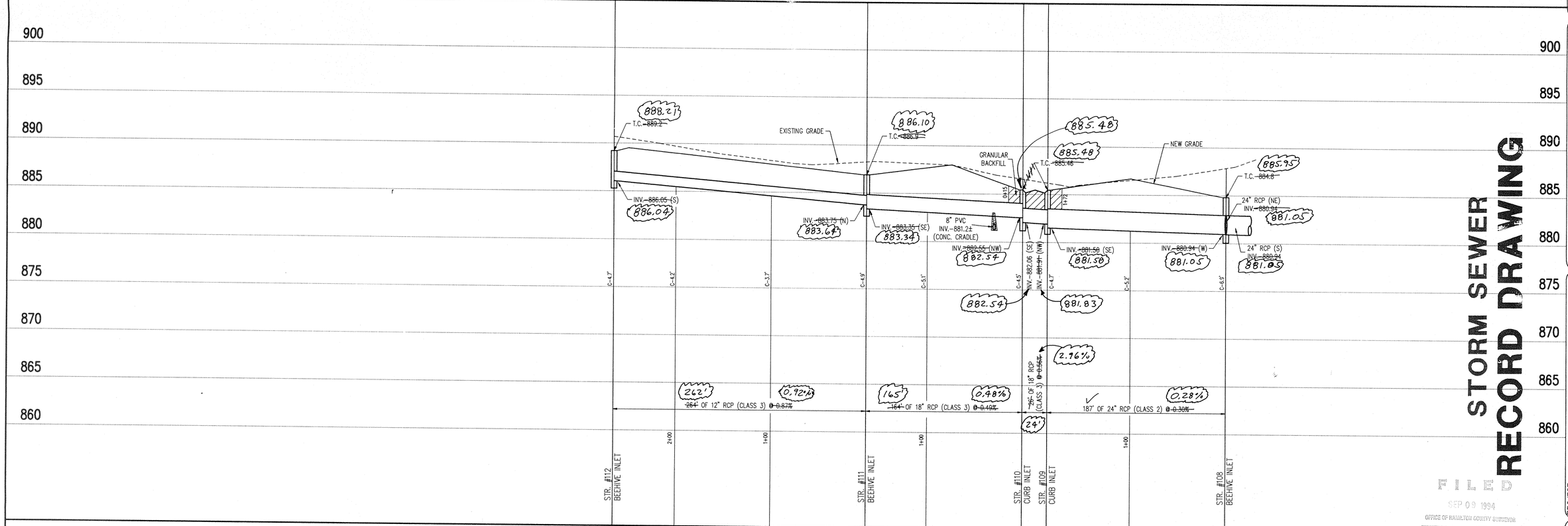
Entry Date: 11-25-98

Entered by: JOH

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

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

STORM SEWER
RECORD DRAWING

FILED
SEP 09 1994
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REVISIONS

BY	DATE	CHECK	NO.	ENGINEERING DRAFTING CHECK
				REV. STORM (STR. #109-#109) & LOT NUMBERS.
				STORM SEWER "RECORD DWG."

DRAWN BY JMS DATE 12/24/93 CHECK

CERTIFIED

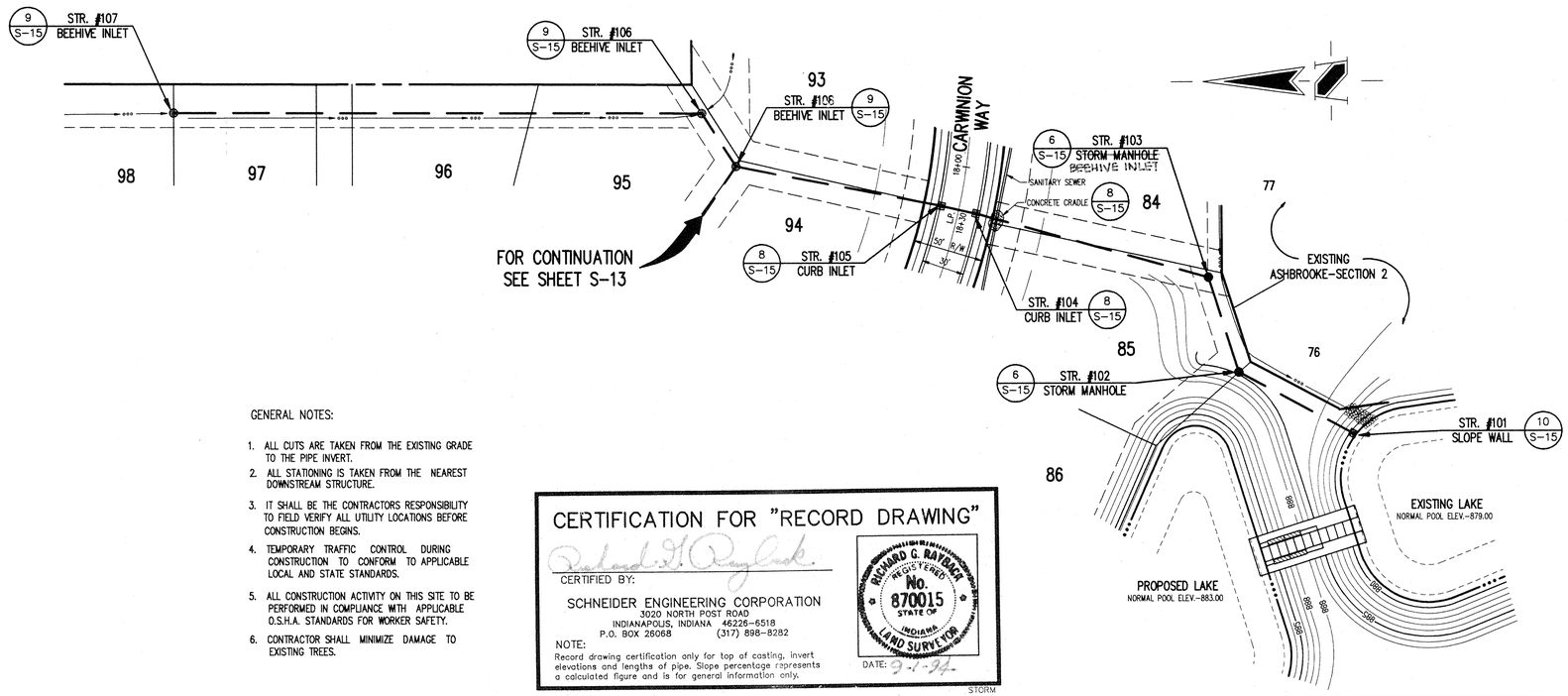
SCHNEIDER ENGINEERING CORPORATION
● Professional Engineers ● Land Planners
● Land Surveyors ● Geologists
3020 NORTH POST ROAD 8845 EAST U.S. 36, SUITE 500
INDIANAPOLIS, INDIANA 46226-6518 DANVILLE, INDIANA 46122
Telephone (317) 898-8282 Telephone (317) 272-0108
Fax (317) 899-8010 Fax (317) 272-0412

PROJECT ASHBROOKE – SECTIONS 3 & 4
PREPARED FOR BRENWICK DEVELOPMENT CO., INC.
TITLE STORM SEWER PLAN

JOB NO. 813.30
SCALE: SHOWN

SHEET S-13 OF 16

FILE NAME: 81335TM2



Benchmarks

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A cut square at the southeast corner of the concrete deck of a lift station on the south side of the subject site approximately 1600 feet west of the centerline of Shelbourne Road.
Elevation = 884.12

GENERAL NOTES:

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CERTIFICATION FOR "RECORD DRAWING"

Richard G. Raybuck

CERTIFIED BY:

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NOTE:
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RICHARD G. RAYBUCK REGISTERED No. 870015 STATE OF INDIANA LAND SURVEYOR

DATE: 9-1-94

STORM

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TOPOGRAPHY BY
LOBO AERIAL SURVEYS
COLUMBUS, IN
DATED 12-23-88

REVISIONS

BY	DATE	CHECK	NO.	BY	DATE	CHECK
				RGS	4/27/93	
				RGS	5/12/93	
				TBH	10/21/94	

ENGINEERING/DRAFTING CHECK
REV. STORM (STR. #105-106) & LOT NUMBERS
STORM SEWER. "RECORD DWG."

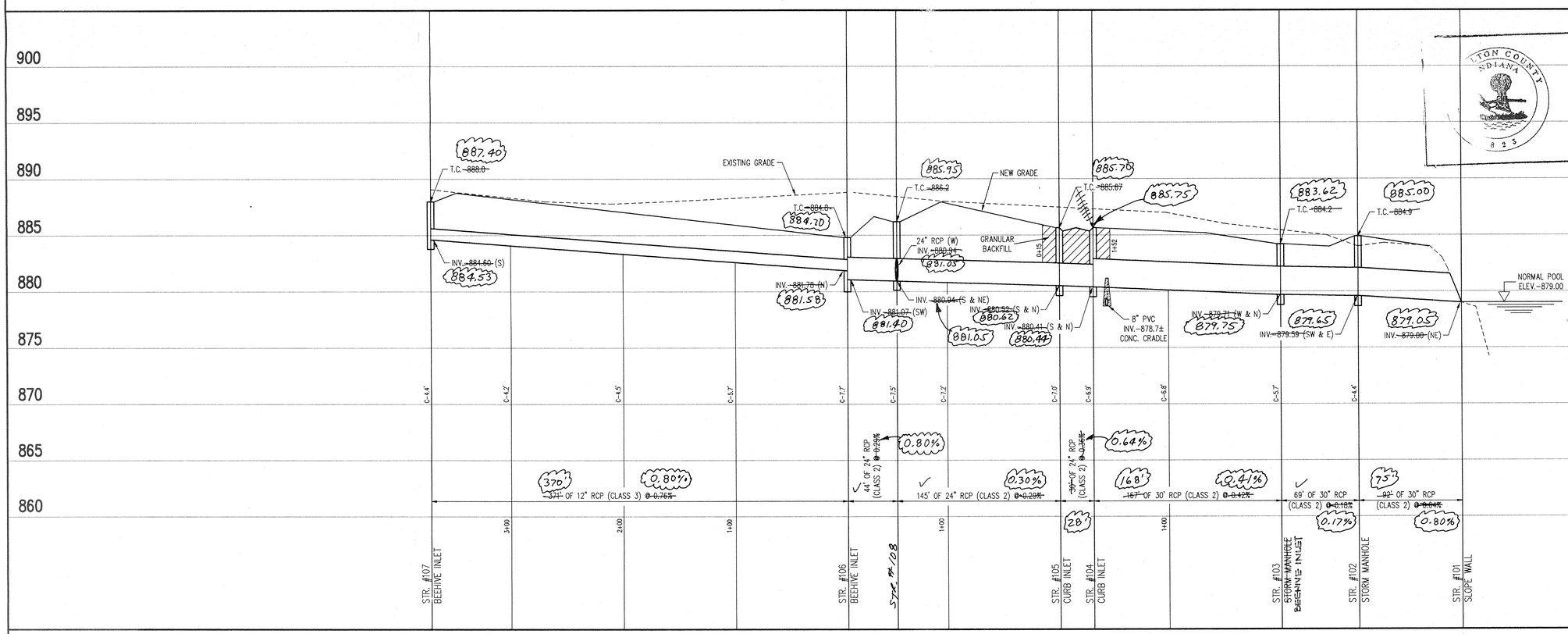
DRAWN

BY	DATE	CHECK
RGS	12/24/93	

CERTIFIED

STORM SEWER PLAN

SCALE: 1"=50'



HAMILTON COUNTY INDIANA

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Entry Date: 11-25-03

Entered by: JDH

STORM SEWER RECORD DRAWING

FILED
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STORM SEWER PROFILE

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

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DANIELS, INDIANA 46122
Telephone (317) 272-0108
Fax (317) 272-0412

PROJECT: ASHBROOKE – SECTION 3 & 4
JOB NO. 813.30
SCALE: SHOWN
PREPARED FOR: BRENWICK DEVELOPMENT CO., INC.
TITLE: STORM SEWER PLAN

SHEET S-12 OF 16

FILE NAME: 813S3TM1

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