

Drain: KINGSBOROUGH DRAIN **Drain #:** 297
Improvement/Arm: BRIDGESTONE PARK OF CORNELL
Operator: JRH **Date:** 2-4-04
Drain Classification: Urban/Rural **Year Installed:** 2003

GIS Drain Input Checklist

- Pull Source Documents for Scanning JRH 2-4
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains JRH 2-4
- Digitize & Attribute SSD JRH 2-4
- Digitize & Attribute Open Ditch N/A
- Stamp Plans JRH 2-4
- Sum drain lengths & Validate JRH 2-4
- Enter Improvements into Posse JRH 2-4
- Enter Drain Age into Posse JRH 3-2
- Sum drain length for Watershed in Posse JRH 3-2
- Check Database entries for errors JRH 2-4

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

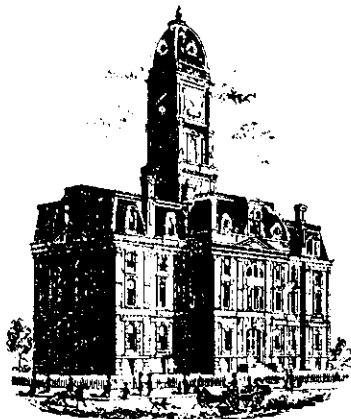
Drain-Improvement: KINGSBOROUGH DRAIN - BROOKSTONE PARK OF CARMEL

Drain Type:	Size:	Length <small>SURVEY</small> REPORT	Length (DB Query)	Length Reconcile	If Applicable:	
					Price:	Cost:
SSD	6"	3652'	3652'	Ø	\$2.00	\$7,304.00
RCP	12"	553.22'	553.22'	Ø	7.25	4,010.85
	18"	138'	138'	Ø	10.50	1,449.00

Sum: 4343.22' 4343.22' Ø \$12,763.85

Final Report: _____

Comments:



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

April 23, 2003

Re: Kingsborough Drain, Brookstone Park of Carmel, Section 2 Arm

Attached is a petition filed by Brookstone Park of Carmel, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Brookstone Park of Carmel, Section 2 Arm, Kingsborough Drain to be located in Clay Township. 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 4,108 ft 12" RCP 544 ft 18" RCP 140 ft

The total length of the drain will be 4,792 feet.

The retention pond located in Block "A" 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 also retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

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

the SSD which will be regulated other than those under curbs are as follows:

Rear lots 59 through 66 in Block "A".

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 for common areas and platted lots, \$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 \$1,384.66.

The petitioner has submitted surety for the proposed drain at this time. Surety will be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties, which are in the form of a Performance Bond/Letter of Credit, are as follows:

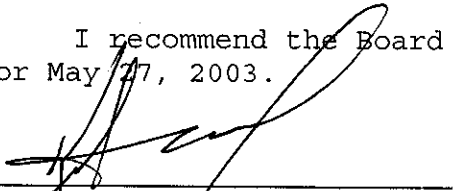
Agent: Insko Insurance Services, Inc.	Agent: Insko Ins. Services
Date: October 3, 2002	Date: October 3, 2002
Number: 887707S	Number: 887708S
For: Storm sewers & Underdrains	For: Erosion Control
Amount: \$39,432.00	Amount: \$20,880.00

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

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

I recommend that upon approval of the above-proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Brookstone Park of Carmel, Section 2 as recorded in the office of the Hamilton County Recorder.

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


Kenton C. Ward
Hamilton County Surveyor

KCW/llm

Brookstone Park of Carmel Section II

Engineers Estimate For

Hamilton County Surveyor

For Letter of Credit or Performance Bond

DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL AMOUNT
HC Surveyor				
12" RCP	LF	672	\$35.00	\$23,520.00
12" RC End Sections	EACH	5	\$750.00	\$3,750.00
18" RCP	LF	140	\$43.00	\$6,020.00
24" RCP	LF	406	\$50.00	\$20,300.00
Inlet Type "A"	EACH	2	\$1,600.00	\$3,200.00
Manholes	EACH	9	\$2,500.00	\$22,500.00
Subsurface Drains	LF	4155	\$5.75	\$23,891.25
Subsurface Risers	EACH	4	\$250.00	\$1,000.00
Aggregate for Underdrains	YD ³	155	\$20.00	\$3,100.00
Subsurface Laterals to Lots	EACH	42	\$150.00	\$6,300.00
Temporary Seeding	LBS	570	\$3.50	\$1,995.00
Permanent Seeding	LBS	1390	\$7.00	\$9,730.00
Erosion Control Blanket	YD ²	1550	\$2.50	\$3,875.00
Silt Fence	LFT	1200	\$4.00	\$4,800.00
#2 Stone (Const. Entrance)	YD ³	60	\$25.00	\$1,500.00
Straw Bales	EACH	8	\$60.00	\$480.00
Monument Markers	EACH	9	\$40.00	\$360.00
			TOTAL	\$136,321.25

FILED

MAY 23 2002

OFFICE OF HAMILTON COUNTY SURVEYOR

0460



INSCO INSURANCE SERVICES, INC.

Underwriting Manager for:
Developers Surety and Indemnity Company
Indemnity Company of California
17780 Fitch, Suite 200 • Irvine, California 92614 • (949) 263-3300

SUBDIVISION IMPROVEMENTS
PERFORMANCE BOND

BOND NO. 887707S

KNOW ALL MEN BY THESE PRESENTS:

THAT we, Brookstone Park of Carmel, LLC, as Principal,
and Developers Surety and Indemnity Company, a corporation organized and doing
business and under and by virtue of the laws of the State of Iowa and duly
licensed to conduct surety business in the State of Indiana, as Surety,
are held and firmly bound unto Hamilton County, Indiana Board of Commissioners

as Obligee, in the sum of Thirty-Nine Thousand Four Hundred Thirty-Two & NO/100
(\$ 39,432.00) Dollars,
for which payment, well and truly to be made, we bind ourselves, our heirs, executors and successors,
jointly and severally firmly by these presents.

THE CONDITION OF THE OBLIGATION IS SUCH THAT:

WHEREAS, the above named Principal, has agreed to construct in Brookstone Park of Carmel, Section II
Subdivision, in Carmel, Indiana the
following improvements: Storm Sewers & Underdrains

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

IN WITNESS WHEREOF, the seal and signature of said Principal is hereto affixed and the corporate seal
and the name of the said Surety is hereto affixed and attested by its duly authorized Attorney-in-Fact, this
3rd day of October, 2002
YEAR

Brookstone Park of Carmel, LLC

Principal

BY: [Signature]

Developers Surety and Indemnity Company

BY: [Signature]

Attorney-in-Fact



INSCO INSURANCE SERVICES, INC.

Underwriting Manager for:
Developers Surety and Indemnity Company
Indemnity Company of California
17780 Fitch, Suite 200 • Irvine, California 92614 • (949) 263-3300

**SUBDIVISION IMPROVEMENTS
PERFORMANCE BOND**

BOND NO. 887708S

KNOW ALL MEN BY THESE PRESENTS:

THAT we, Brookstone Park of Carmel, LLC, as Principal,
and Developers Surety and Indemnity Company, a corporation organized and doing
business and under and by virtue of the laws of the State of Iowa and duly
licensed to conduct surety business in the State of Indiana, as Surety,
are held and firmly bound unto Hamilton County, Indiana Board of Commissioners

as Obligee, in the sum of Twenty Thousand Eight Hundred Eighty & NO/100
(\$ ~~20,880.00~~) Dollars,
for which payment, well and truly to be made, we bind ourselves, our heirs, executors and successors,
jointly and severally firmly by these presents.

THE CONDITION OF THE OBLIGATION IS SUCH THAT:

WHEREAS, the above named Principal, has agreed to construct in Brookstone Park of Carmel, Section II
Subdivision, in Carmel, Indiana the
following improvements: Erosion Control

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

IN WITNESS WHEREOF, the seal and signature of said Principal is hereto affixed and the corporate seal
and the name of the said Surety is hereto affixed and attested by its duly authorized Attorney-in-Fact, this
3rd day of October, 2002
YEAR

Brookstone Park of Carmel, LLC
Principal

BY: [Signature]

Developers Surety and Indemnity Company

BY: [Signature]

Cynthia L. Jenkins Attorney-in-Fact

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Brookstone Park of Carmel, Sec. II

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: Jonathan P. Moen Date: 8/16/03

Type or Print Name: Jonathan P Moen PE

Business Address: 350 E. New York St. Suite 300

Indianapolis, IN 46204

Telephone Number: 317-634-6434



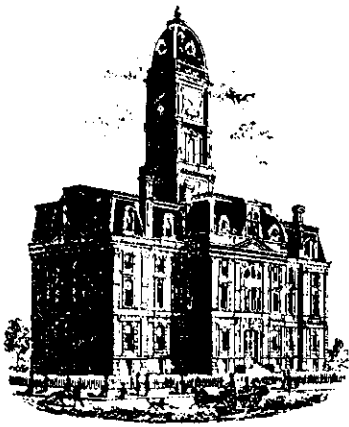
INDIANA REGISTRATION NUMBER

10000418

AUG 22 2003

AUG 22 2003

OFFICE OF THE 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

January 29, 2004

Re: Kingsborough Drain: Brookstone Park of
 Carmel Sec. 2

Attached are as-builts, certificate of completion & compliance, and other information for Brookstone Park of Carmel Sec. 2. 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 April 23, 2003. The report was approved by the Board at the hearing held May 27, 2003. (See Drainage Board Minutes Book 7, Pages 64-66)

The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:
37	903.38	900.67					
36	903.45	900.5	12	28.28	0.6	28	0.28
36	903.45	900.45					
52	903.56	899.45	12	41.74	2.4	43	1.26
52	903.56	899.29					
35	899.9	895.7	12	348.68	1.03	347	1.68
26		892.45					
25	895.38	892.4	12	134.52	0.04	126	8.52
25	895.38	892.36					
24	897.35	892.14	18	28.32	0.78	28	0.32
24	897.35	892.13					
23	895.28	892.04	18	109.68	0.08	112	-2.32

6" SSD Streets:

Holden Ct	750
Baldwin Ave	1179
x2	
Total:	<u>3108</u>

RCP Pipe Totals:

12	553.22
----	--------

6" SSD

Lots:

Block A	544
Total:	<u>544</u>

	18	138
Total:	<u>691.22</u>	

The length of the drain due to the changes described above is now **4343.22 feet**.

The non-enforcement was approved by the Board at its meeting on May 27, 2003 and recorded under instrument #200300093802.

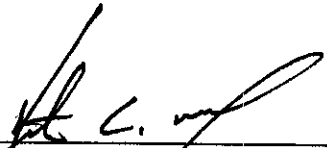
The following sureties were guaranteed by Insko Insurance Services, Inc. and released by the Board on its October 13, 2003 meeting.

Bond-LC No: 887707S
Insured For: Storm Sewers
Amount: \$39,432.00
Issue Date: October 3, 2003

Bond-LC No: 887708S
Insured For: Erosion Control
Amount: \$20,880.00
Issue Date: October 3, 2003

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

Sincerely,




Kenton C. Ward
Hamilton County Surveyor

KCW/slm

AS-BUILT INFORMATION CONSTRUCTION PLANS FOR BROOKSTONE PARK OF CARMEL

OPEN SPACE PLAN SUBDIVISION

SECTION 22, TOWNSHIP 18 NORTH, RANGE 3 EAST
CLAY TOWNSHIP, 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: 7-4-04

Entered by: JDH

INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SPECIFICATIONS
3	SITE DEMOLITION PLAN
4-5	DEVELOPMENT PLAN
6-7	EROSION CONTROL PLAN
8	EROSION CONTROL DETAILS
9-10	STREET PLAN & PROFILE
11-12	SANITARY SEWER PLAN & PROFILE
13-14	STORM SEWER PLAN & PROFILE
15	ENTRANCE PLAN
16-17	INTERSECTION & CUL-DE-SAC DETAILS
18	TRAFFIC CONTROL PLAN
19	TRAFFIC MAINTENANCE PLAN
20-23A	CONSTRUCTION DETAILS
24A	WATER LINE PLAN
24B-24C	WATERLINE DETAIL

REVISIONS		
SHEET NO.	DATE	DESCRIPTION
2,11,12,21	07/28/99	PER CLAY TOWNSHIP REGIONAL WASTE DISTRICT
2-4,5,11	09/07/99	PER IDEM OFFICE OF WATER MANAGEMENT
2	09/14/99	PER IDEM OFFICE OF WATER MANAGEMENT
1,4-15	09/16/99	REVISED STREET AND LOT LAYOUT PER CLIENT
ALL	10/08/99	REVISED PER CLIENT & HAMILTON COUNTY HIGHWAY DEPT.
4	10/15/99	REVISED PER CLIENT
4-19	11/10/99	REVISED PER CLIENT AND SWCD
2,4-8,13,14,20,21	12/23/99	REVISED PER HAMILTON COUNTY; ADDED SHEET 23A
2,5,10	01/18/00	REVISED PER HAMILTON COUNTY HIGHWAY DEPARTMENT
5	02/17/00	DRAINAGE REVISIONS PER HAMILTON COUNTY
1,4-7,9,13-16,18,19	03/29/00	REVISED ENTRANCE; REVISED DRAINAGE SOUTH E
5,13	04/04/00	REVISED STORM SEWER PER CLIENT
5	05/31/00	REVISED OFF-SITE STORM SEWER
5,13	07/07/00	REVISED PER STOEPPELWERTH REVISED DRAINAGE REPORT. (06/29/00)
3, 4, 5, 6, 7	03/12/01	REVISED PER HAMILTON COUNTY COMMENTS
1, 4, 6, 9, 11, 12, 24	06/26/02	REVISED WATERLINE LAYOUT PER CITY OF CARMEL COMMENTS

LAST REVISION DATE: 06-26-02

NOTES:

CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME FRAME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION. ANY ALTERATIONS TO THESE PLANS NOT AUTHORIZED BY MID-STATES ENGINEERING AND NOT IN ACCORDANCE WITH THE PLANS AND RECORDS ON FILE AT MID-STATES ENGINEERING OFFICES SHALL RELIEVE MID-STATES ENGINEERING OF RESPONSIBILITY FOR OVERALL ACCURACY OF PLANS.

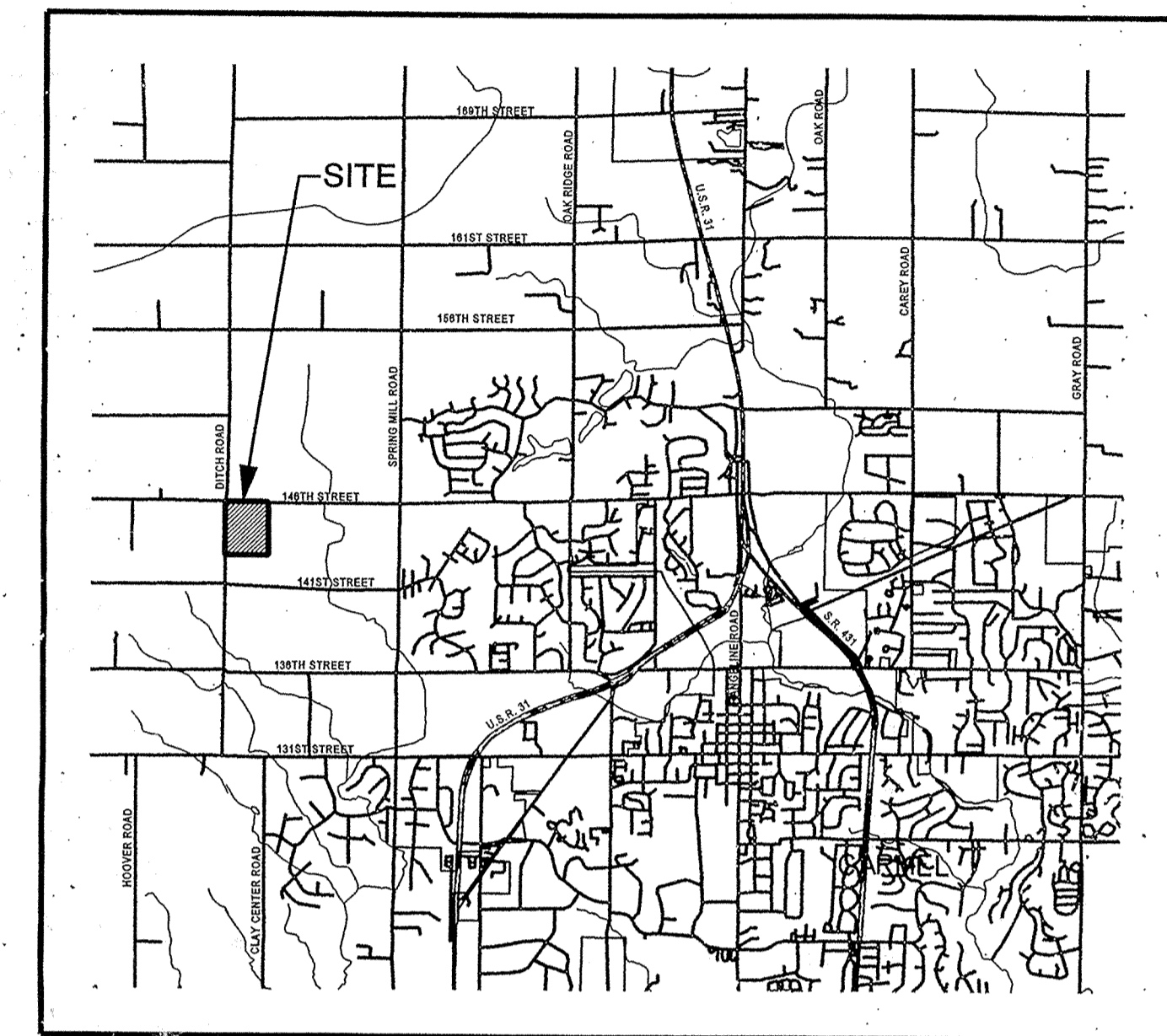
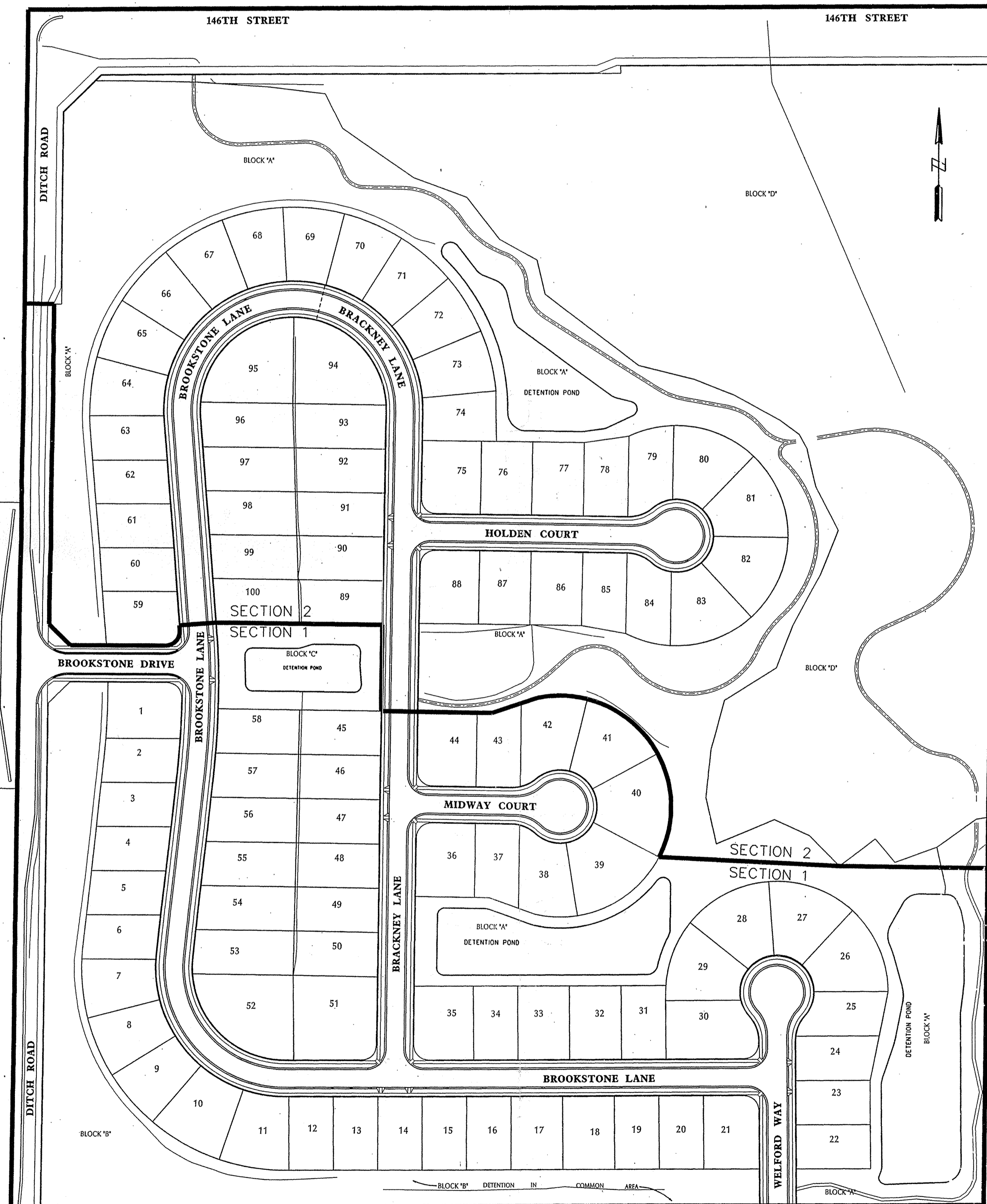
PLANS PREPARED FOR:



SCM DEVELOPMENT
90 EXECUTIVE DRIVE, SUITE H
CARMEL, INDIANA 46032
(317) 814-5400 PHONE
(317) 814-5200 FAX

CONTACT: BRUCE FAGAN

INDIANA STATE DEPARTMENT OF TRANSPORTATION
SPECIFICATIONS DATED 1999 TO BE USED WITH THESE PLANS



D.M. & L. Humke
Inst. #9203692

First Cincinnati Land, LLC
Inst. #9809844090

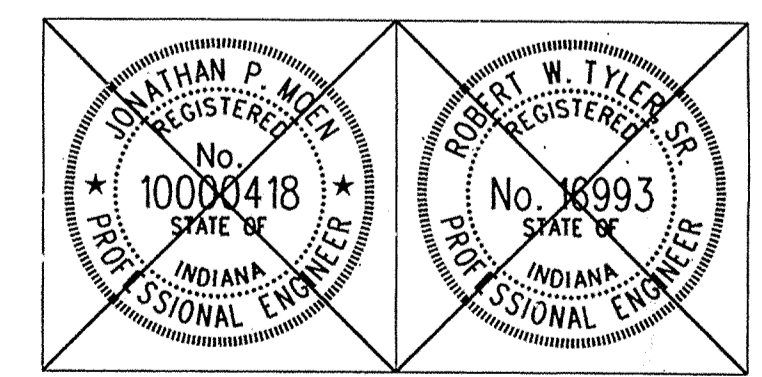
SITE DATA	
TYPICAL LOT SIZE	60' x 100'
SMALLEST LOT	6000 SFT.
LARGEST LOT	12,751 SFT.
TOTAL LOTS	100
TOTAL AREA	49.12 Ac.
UNIT DENSITY	2.04 Units/Acre
TOTAL COMMON AREA	1,020,301 SFT.
ZONING	S-1

UTILITY COMPANIES	
WATER City of Carmel 130 First Ave. SW Carmel, IN 46032 PAUL PACE (317) 571-2648	SANITARY SEWER Clay Township Regional Waste District P.O. Box 40638 Indianapolis, IN 46240 JAY ALLEY (317) 844-9200
GAS Indiana Gas Company P.O. Box 1700 Noblesville, IN 46060 MARK RIGGS (317) 776-5553	ELECTRIC Cinergy/PSI Energy 1441 S. Gullford Carmel, IN 46032 LARRY CASTETTER (317) 581-3048
TELEPHONE Ameritech 5858 North College Avenue Indianapolis, IN 46220 ERIC MASON (317) 252-4274	CABLE TELEVISION Insight Communications 15229 Stony Creek Way Noblesville, IN 46060 TONY HOLMES (317) 776-4495

CERTIFIED BY:

(Signature)

JONATHAN P. MOEN



DATE:

PLANS PREPARED BY:

Mid-States ENGINEERING

350 E. New York St., Suite 300
Indianapolis, IN 46204
(317) 634-6434 Phone
(317) 634-3576 Fax

First Cincinnati Land, LLC
Inst. #9809844090

PLAT MAP
SCALE: 1" = 100'

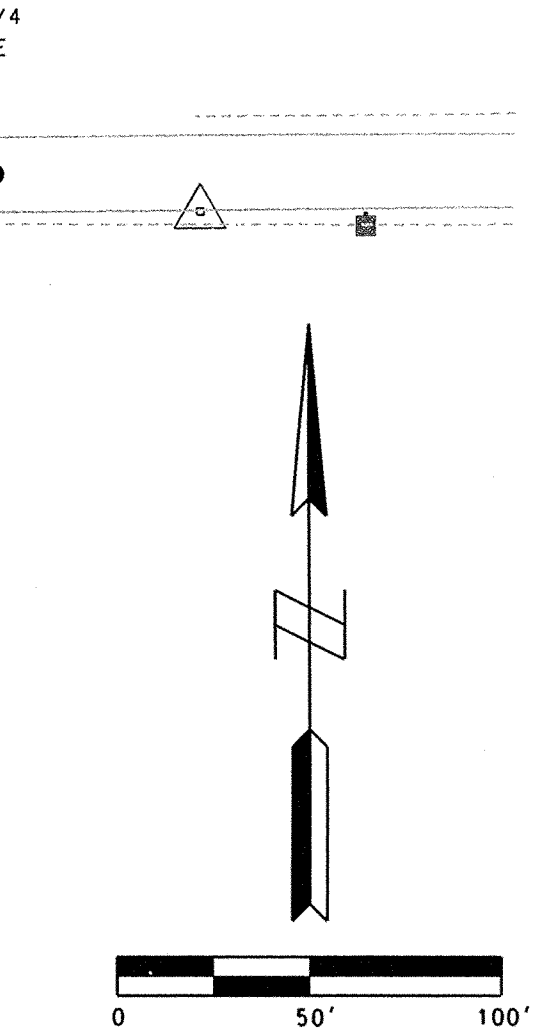
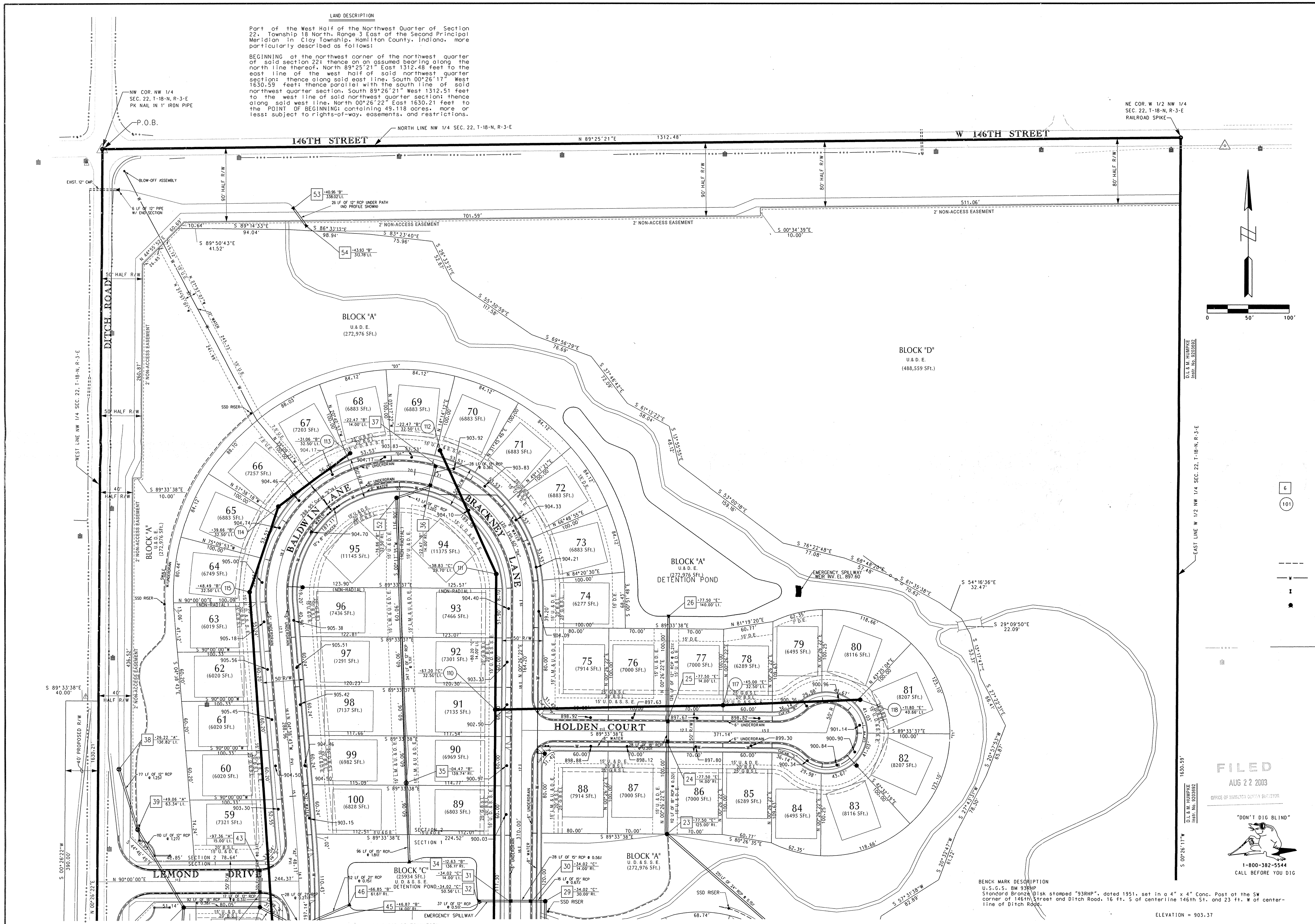
25 MPH DESIGN SPEED

FILE
112311.DGN

LAND DESCRIPTION

Part of the West Half of the Northwest Quarter of Section 22, Township 18 North, Range 3 East of the Second Principal Meridian in Clay Township, Hamilton County, Indiana, more particularly described as follows:

BEGINNING at the northwest corner of the northwest quarter of said section 22; thence on an assumed bearing along the north line thereof, North 89°25'21" East 1312.48 feet to the east line of the west half of said northwest quarter section; thence along said east line, South 00°26'17" West 1630.59 feet; thence parallel with the south line of said northwest quarter section, South 89°26'21" West 1312.51 feet to the west line of said northwest quarter section; thence along said west line, North 00°26'22" East 1630.21 feet to the POINT OF BEGINNING, containing 49.118 acres, more or less; subject to rights-of-way, easements, and restrictions.



REVISIONS AND DATES

09-16-99	Revised Layout.	GSS
10-09-99	Per Client & Hamilton County Highway Dept.	WSC
10-16-99	Revised Water Lines, Added Easement per Client.	WSC
11-10-99	Per Client	WSC
12-29-99	Per Hamilton County	RWT
03-29-00	Rev. Enhance Per Client; Added Land Description	RWT
03-12-01	Grading Added To 146th St. Per Hamilton Co.	RWT
	Comments	RWT

**BROOKSTONE PARK
OF CARMEL
DEVELOPMENT PLAN**

PREPARED BY:
**Mid-States
ENGINEERING**

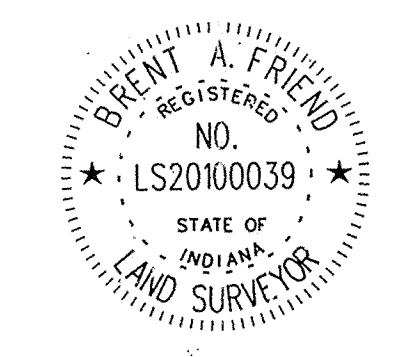
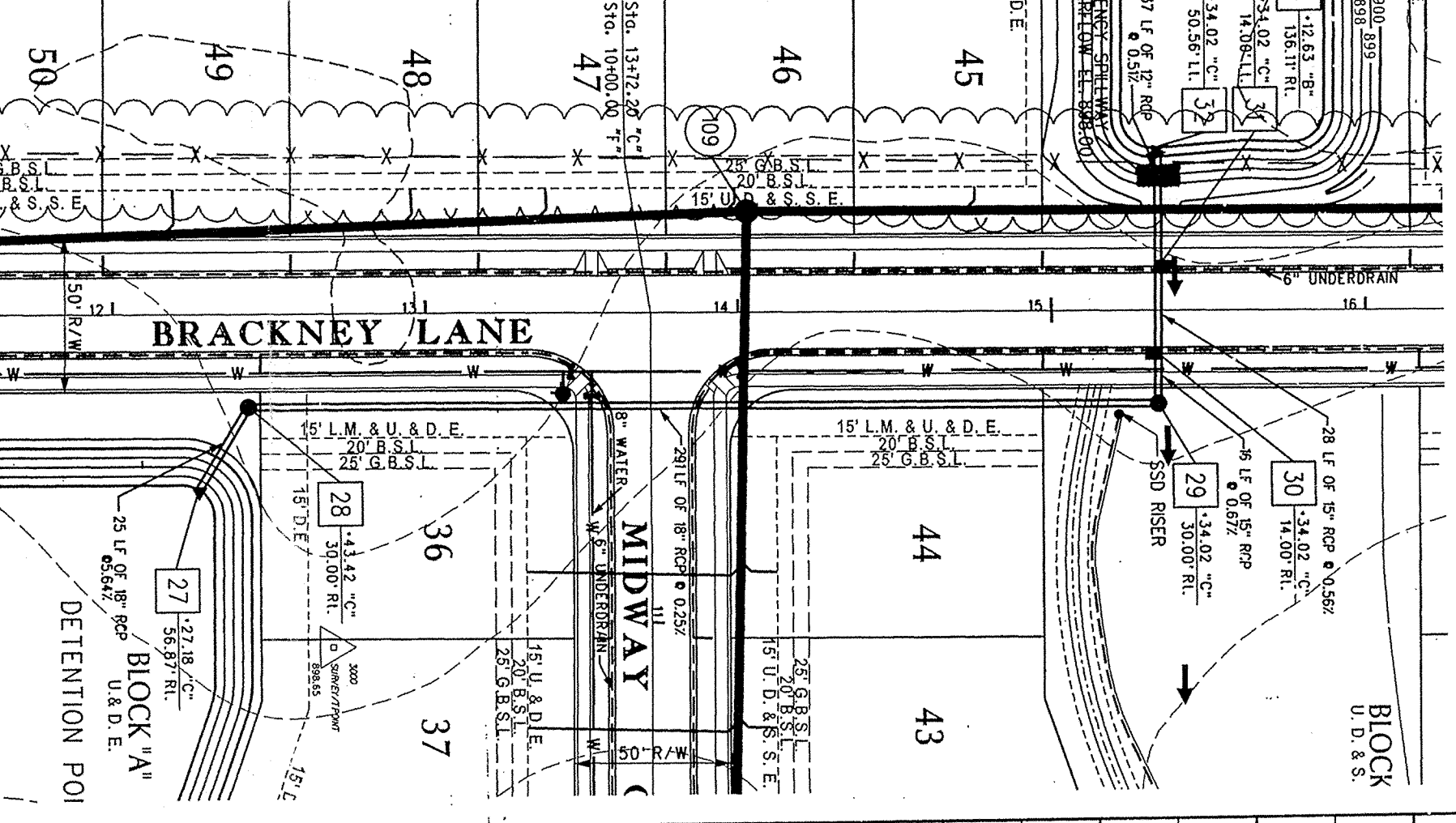
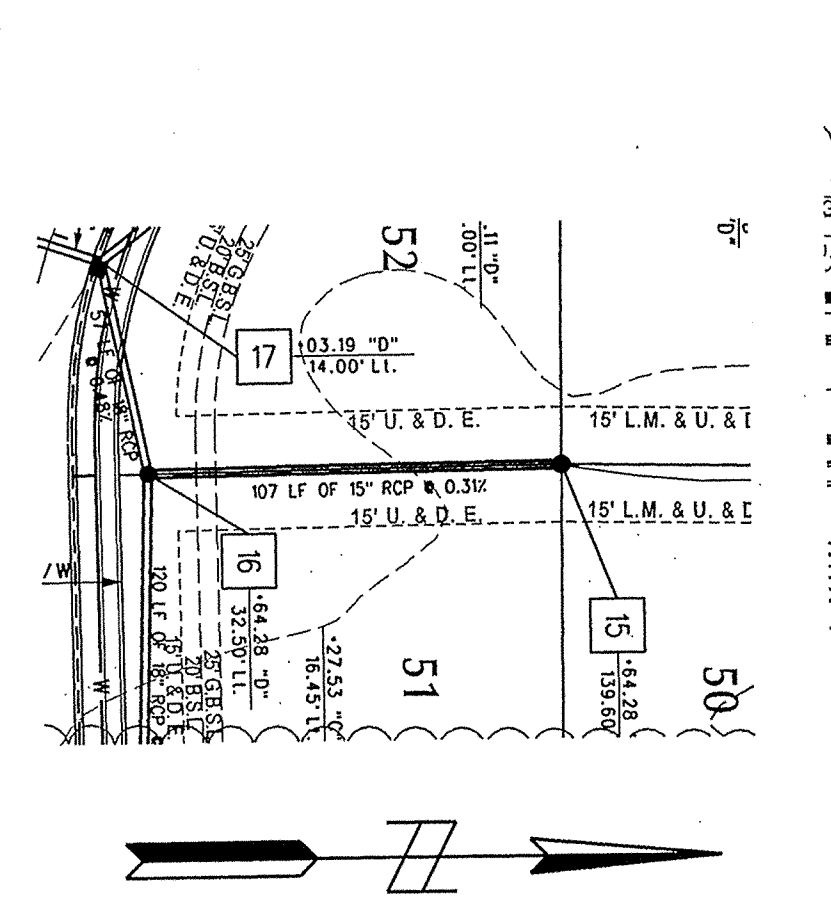
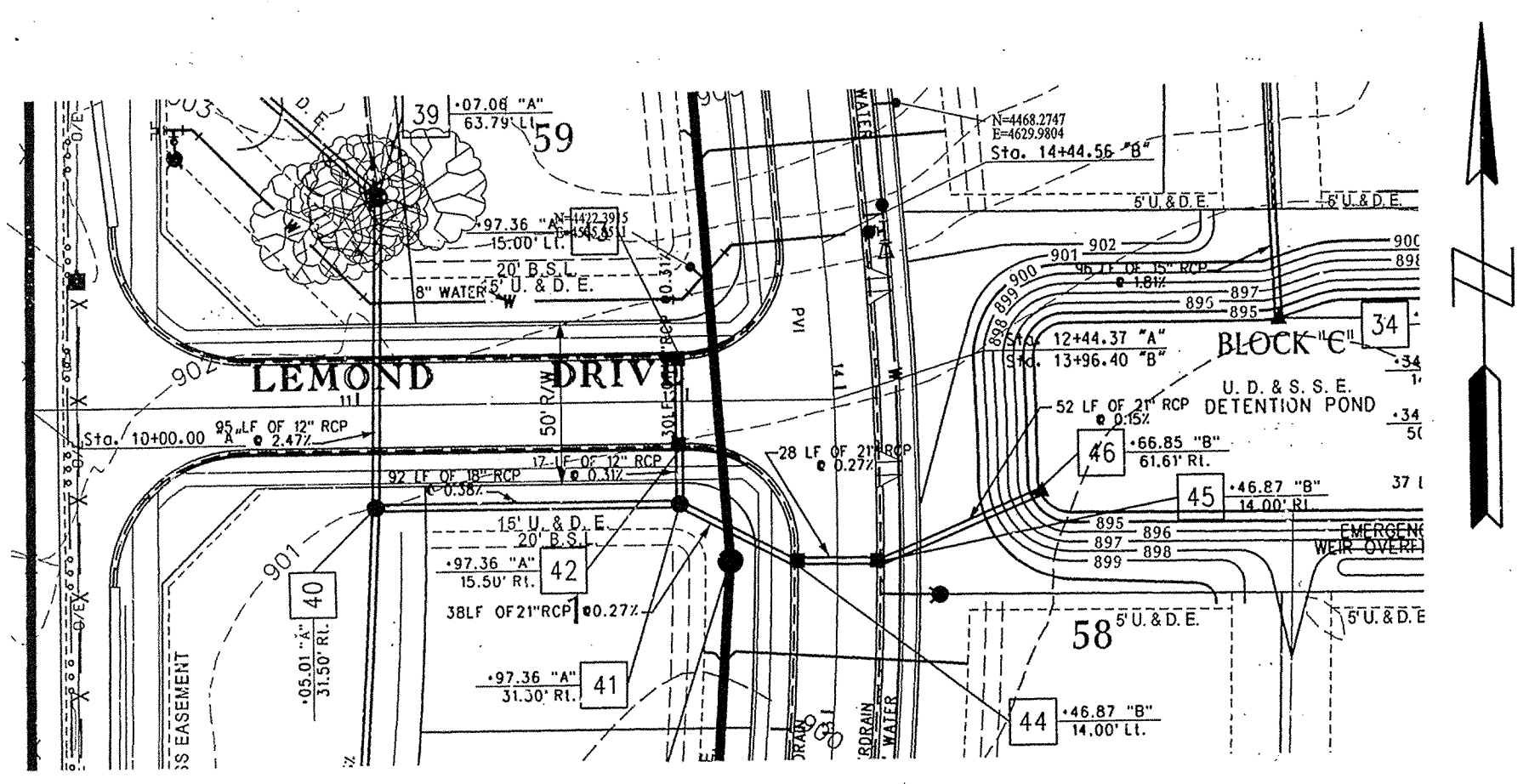
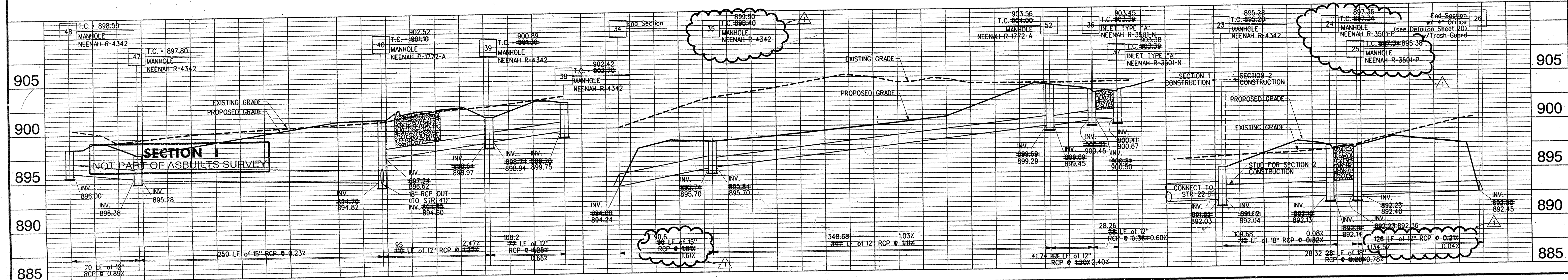
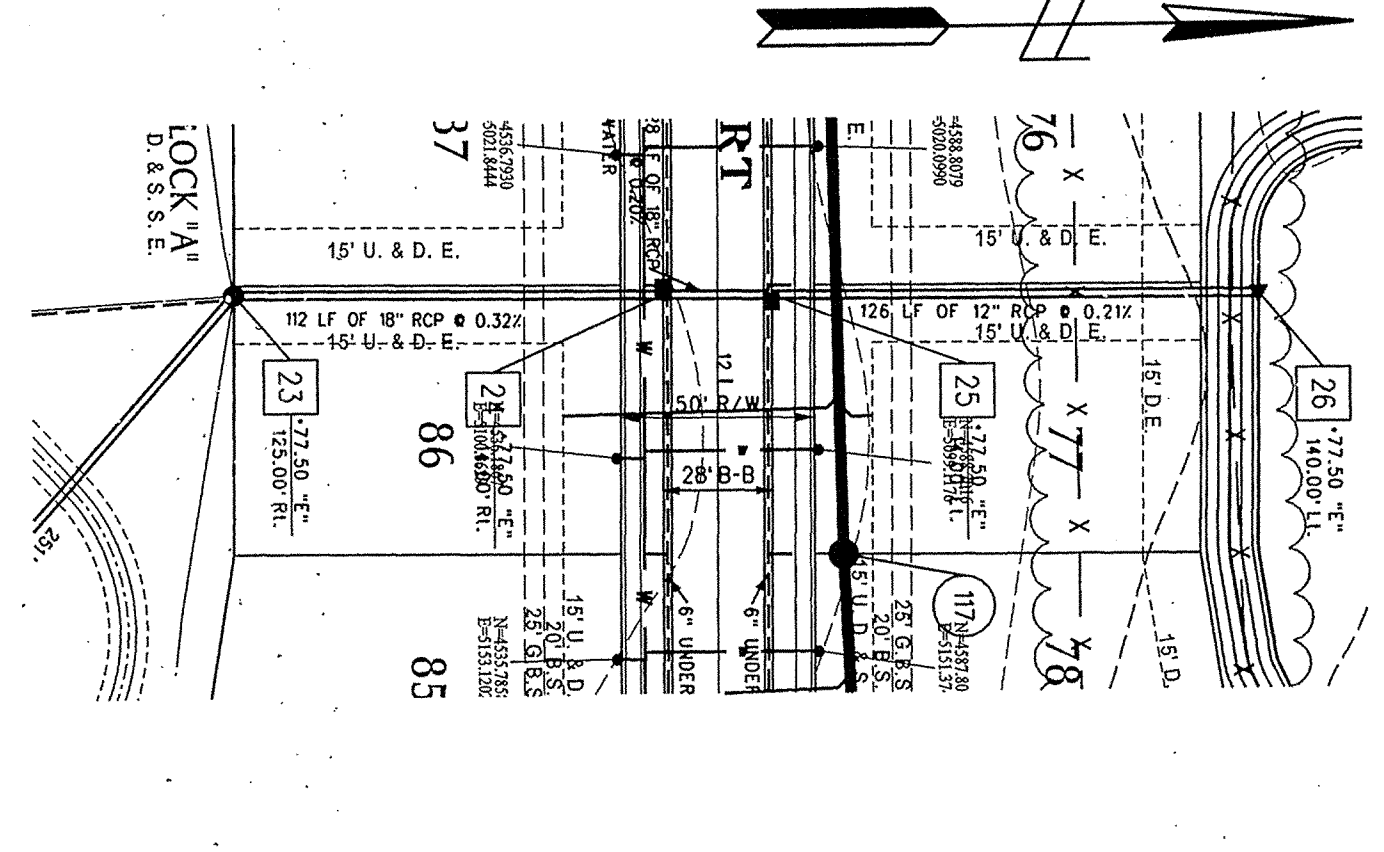
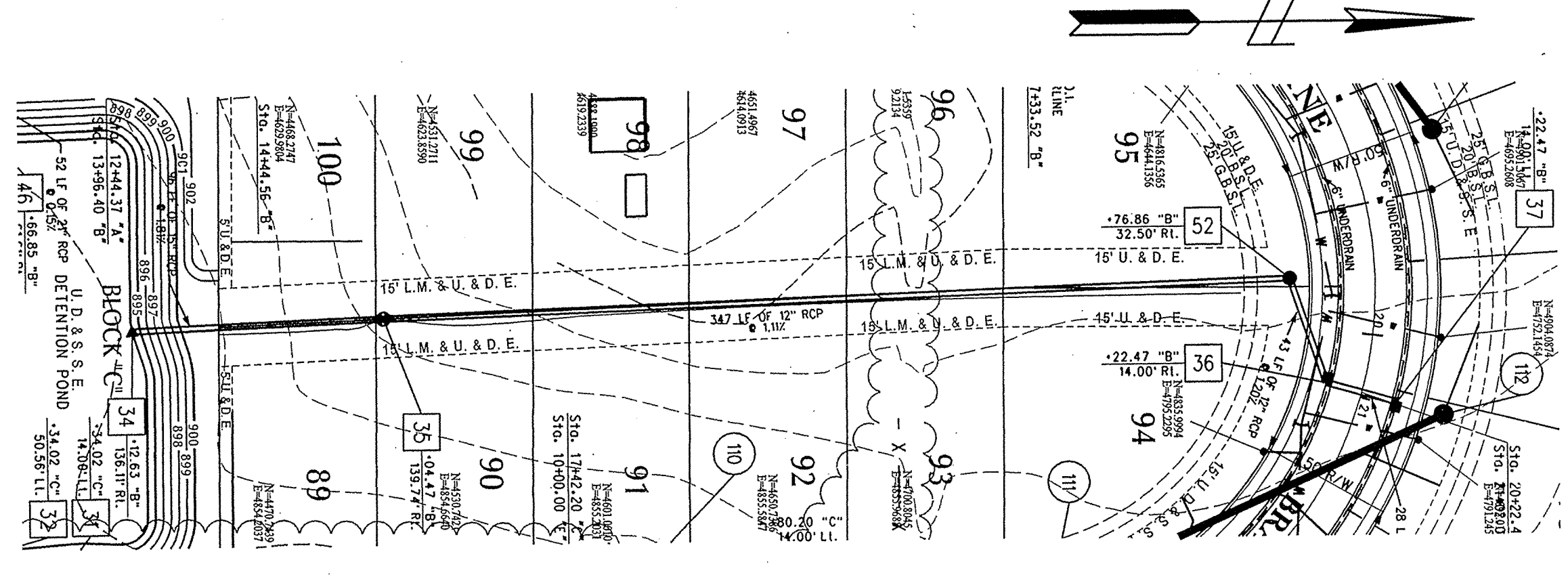
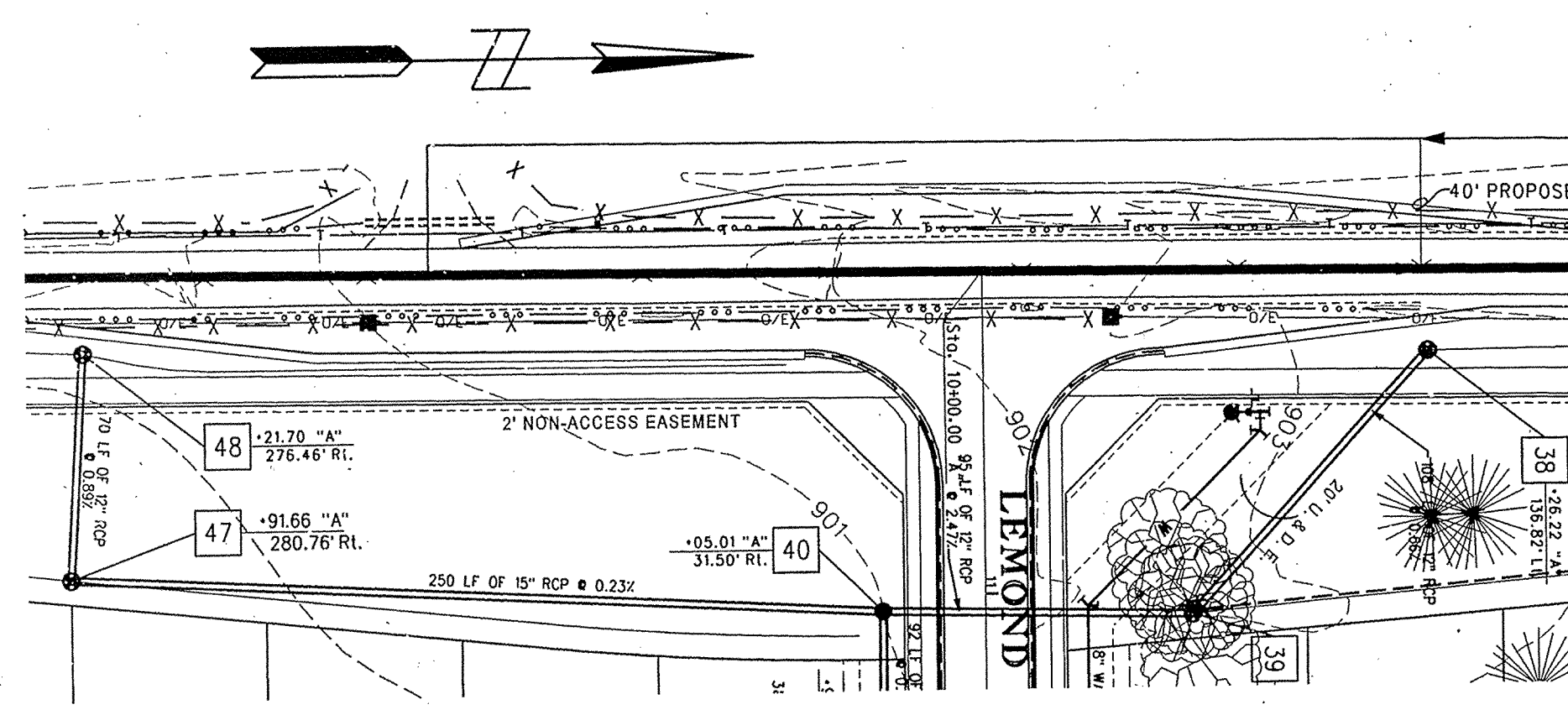
PREPARED FOR:

DATE: JUNE 16, 1999
SCALE: 1" = 50'
PROJECT NO. 111-1123
SHEET NO.
4
OF 24

FILED
AUG 22 2003
OFFICE OF HAMILTON COUNTY SUPERVISOR

"DON'T DIG BLIND"
1-800-382-5544
CALL BEFORE YOU DIG

ELEVATION = 903.37

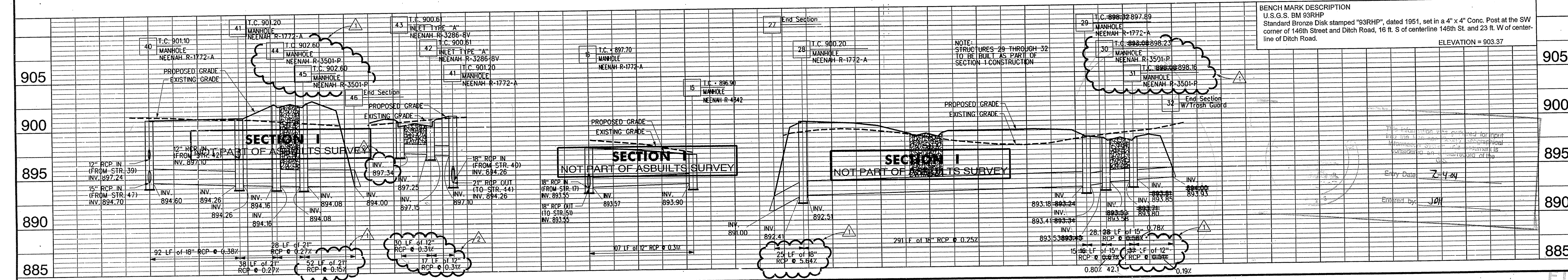


I hereby certify that the as-built information on this drawing was provided by Mid-States Engineering and is correct to the best of my knowledge, information, and belief. Certified this 2nd day of June, 2003.



- NOTES: 1. LENGTHS OF PIPES INDICATED ARE FROM CENTER TO CENTER OF STRUCTURES AND ARE NOT ACTUAL PIPE LENGTHS. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.

PLAN SCALE: 1" = 50' PROFILE SCALES: HORIZONTAL - 1" = 50' VERTICAL - 1" = 5'



BENCH MARK DESCRIPTION U.S.G.S. BM 93RHP Standard Bronze Disk stamped "93RHP", dated 1951, set in a 4" x 4" Conc. Post at the SW corner of 148th Street and Ditch Road, 16 ft. S of centerline 148th St. and 23 ft. W of centerline of Ditch Road. ELEVATION = 903.37

Table with columns: REVISIONS AND DATES, DESIGNED BY, DRAWN BY, CHECKED BY, APPROVED BY. Includes names GSS, SEM, RWT and dates.

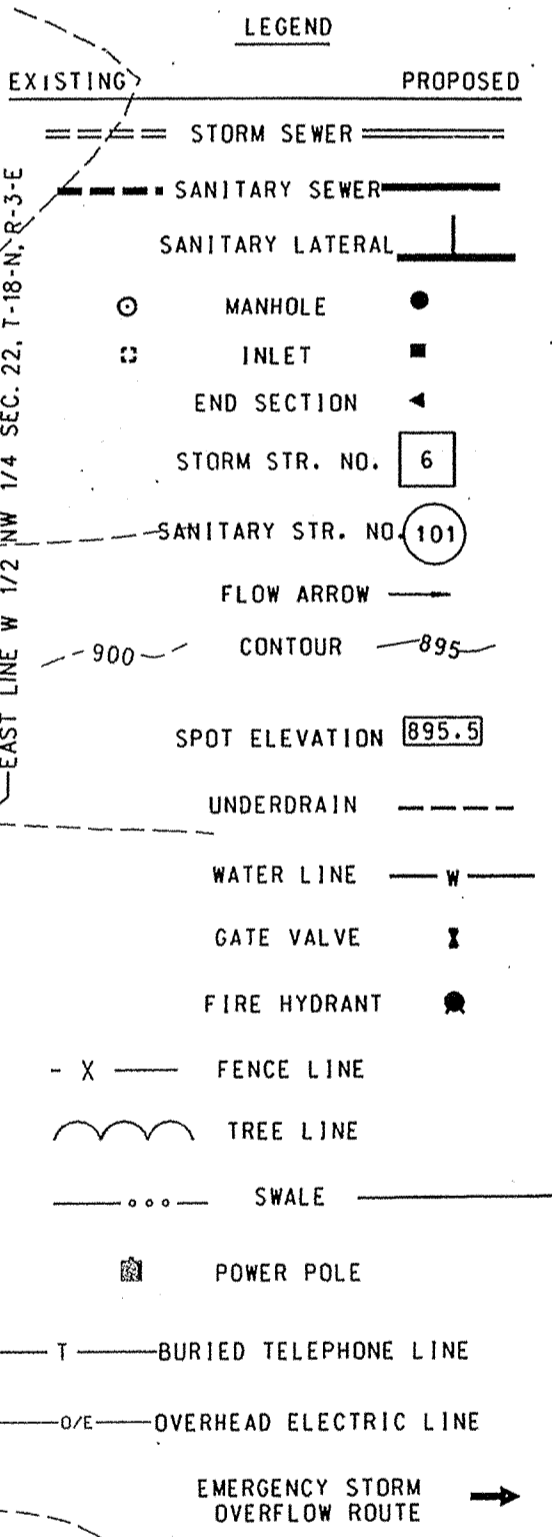
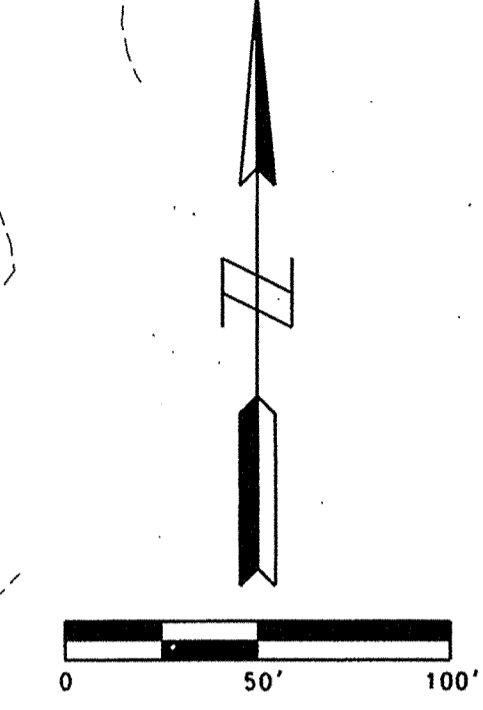
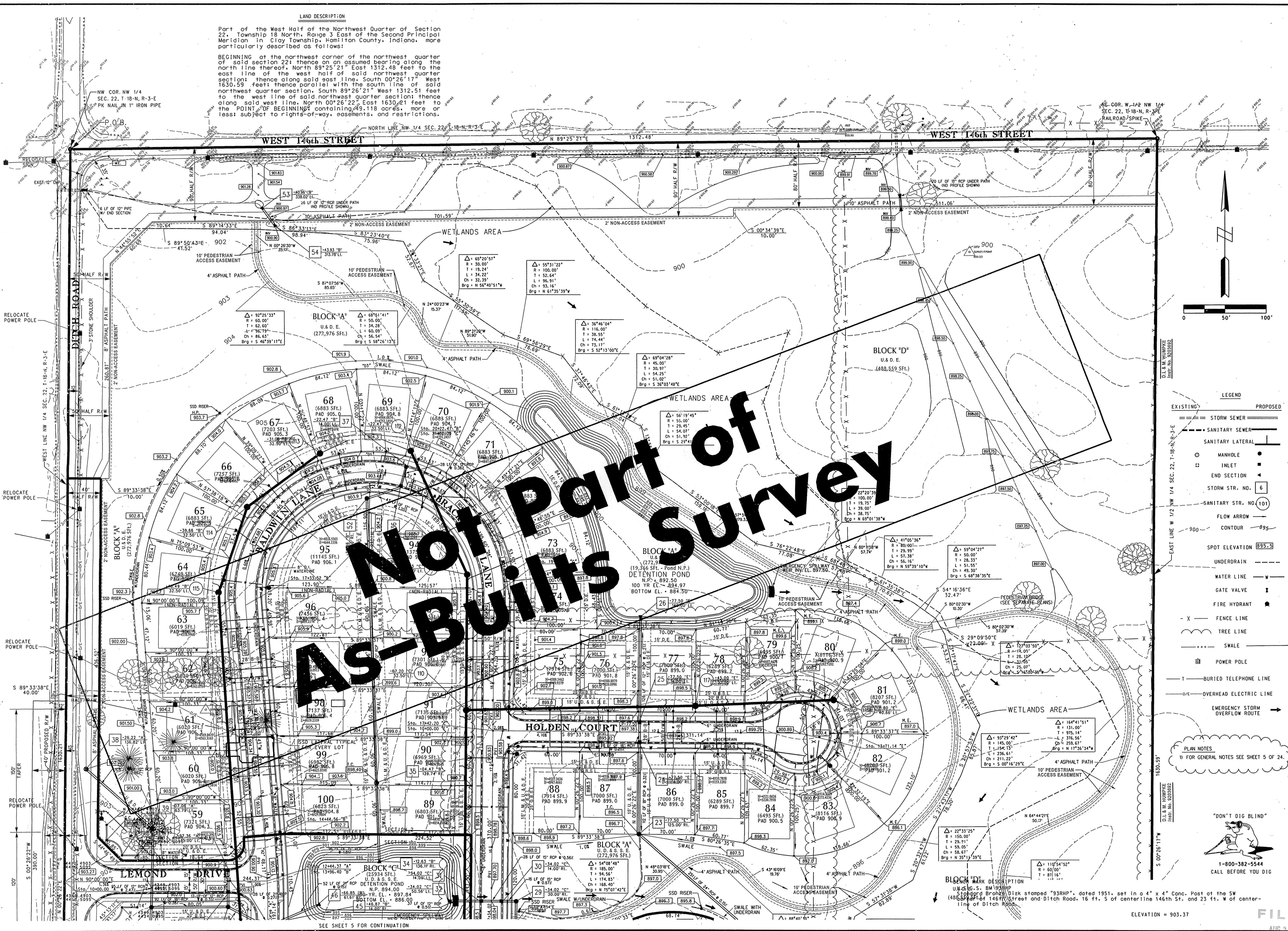
BROOKSTONE PARK OF CARMEL STORM SEWER PLAN & PROFILE

PREPARED BY: Mid-States ENGINEERING FOR: SCM DEVELOPMENT 90 EXECUTIVE DRIVE, SUITE H CARMEL, INDIANA 46032 (317) 814-5400 PHONE (317) 814-5200 FAX

Table with columns: DATE, SCALE, PROJECT NO., SHEET NO. Includes values: DATE: JUNE 16, 1999; SCALE: SEE NOTES; PROJECT NO. 111-1123; SHEET NO. 14 OF 24.

LAND DESCRIPTION

Part of the West Half of the Northwest Quarter of Section 22, Township 18 North, Range 3 East of the Second Principal Meridian in Clay Township, Hamilton County, Indiana, more particularly described as follows:
BEGINNING at the northwest corner of the northwest quarter of said section 22; thence on an assumed bearing along the north line thereof, North 89°25'21" East 1312.48 feet to the east line of the west half of said northwest quarter section; thence along said east line, South 00°26'17" West 1630.59 feet; thence parallel with the south line of said northwest quarter section, South 89°26'21" West 1312.51 feet to the west line of said northwest quarter section; thence along said west line, North 00°26'22" East 1630.21 feet to the POINT OF BEGINNING containing 9.118 acres, more or less; subject to rights-of-way, easements, and restrictions.



PLAN NOTES
1) FOR GENERAL NOTES SEE SHEET 5 OF 24.



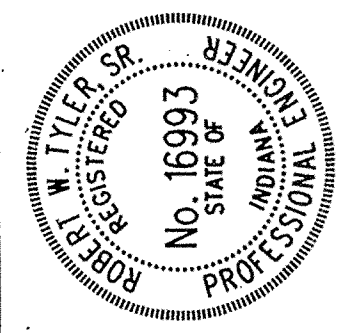
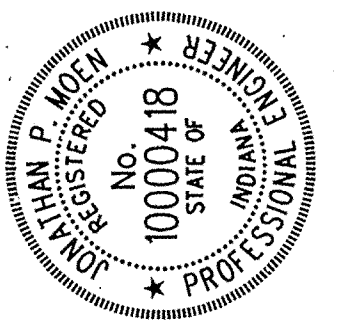
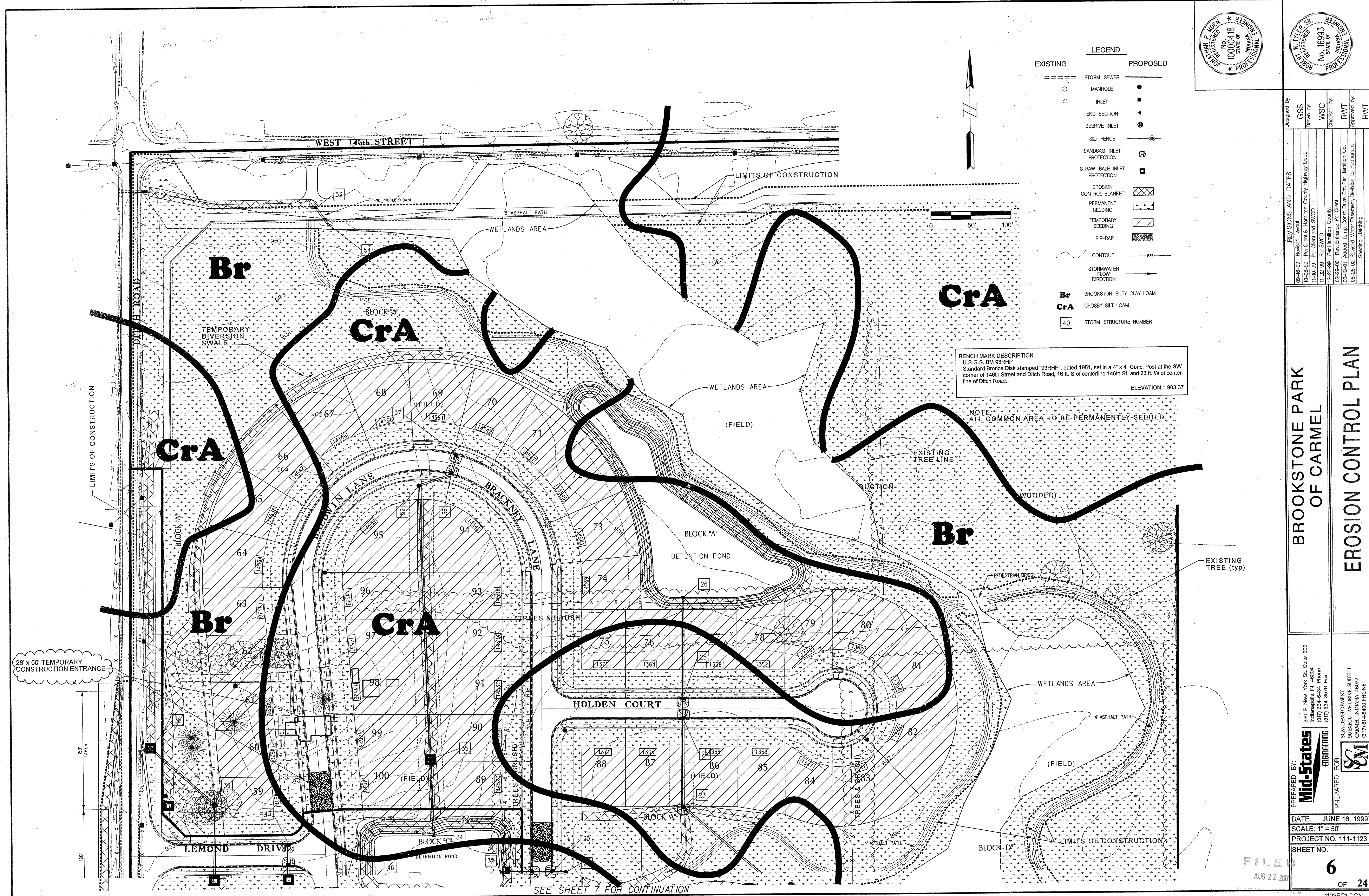
REVISIONS AND DATES table with columns for date, description, and initials.

BROOKSTONE PARK OF CARMEL DEVELOPMENT PLAN

PREPARED BY: Mid-States ENGINEERING
380 E. New York St., Suite 300
Indianapolis, IN 46204
(317) 634-6844 Phone
(317) 814-5800 FAX

DATE: JUNE 16, 1999
SCALE: 1" = 50'
PROJECT NO. 111-1123
SHEET NO. 4

FILED OF 24



LEGEND	
EXISTING	PROPOSED
=====	STORM SEWER
○	MANHOLE
□	INLET
◄	END SECTION
⊕	BEEHIVE INLET
—○—	SILT FENCE
—○—	SANDBAG INLET PROTECTION
—□—	STRAW BALE INLET PROTECTION
▨	EROSION CONTROL BLANKET
▩	PERMANENT SEEDING
▧	TEMPORARY SEEDING
▦	RIP-RAP
—	CONTOUR
→	STORMWATER FLOW DIRECTION
Br	BROCKSTON SILTY CLAY LOAM
CrA	CROSBY SILTY LOAM
40	STORM STRUCTURE NUMBER

BENCH MARK DESCRIPTION
 U.S.G.S. BM 93RHP
 Standard Bronze Disk stamped "93RHP", dated 1951, set in a 4" x 4" Conc. Post at the SW corner of 146th Street and Ditch Road, 16 ft. S of centerline 146th St. and 23 ft. W of centerline of Ditch Road.
 ELEVATION = 903.37

NOTE:
 ALL COMMON AREA TO BE PERMANENTLY SEEDDED.

DESIGNED BY:	
GSS	DESIGNED BY
WSC	DRAWN BY
RWT	CHECKED BY
RWT	APPROVED BY

REVISIONS AND DATES	
08-16-99	Revised Layout.
10-08-99	Per Client & Hamilton County Highway Dept.
11-10-99	Per Client and SWCD
11-22-99	Per SWCD
12-22-99	Per Hamilton County
02-22-00	Rev. Entrance Per Client
03-12-01	Added Temp. Const. Drive Ent. Per Hamilton Co.
03-29-02	Revised Water Assessment, Revision to Permanent Seeding Hashing

PREPARED BY:
Mid-States
 ENGINEERING

PREPARED FOR:
SCM

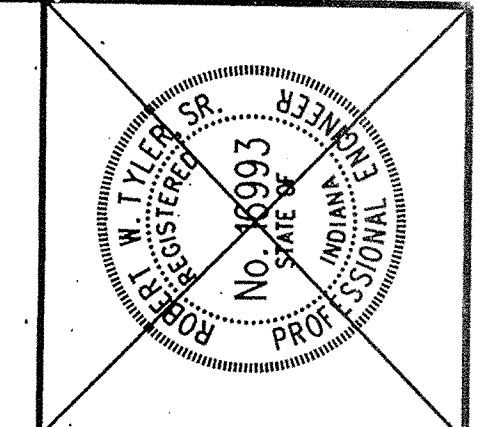
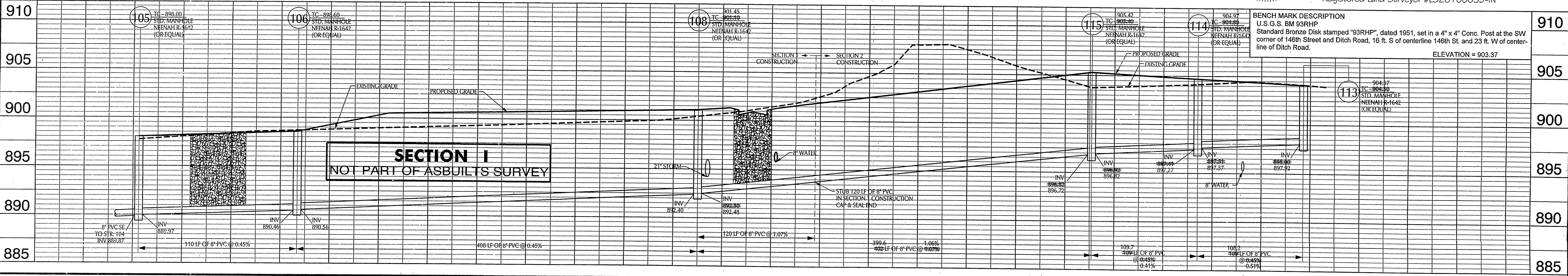
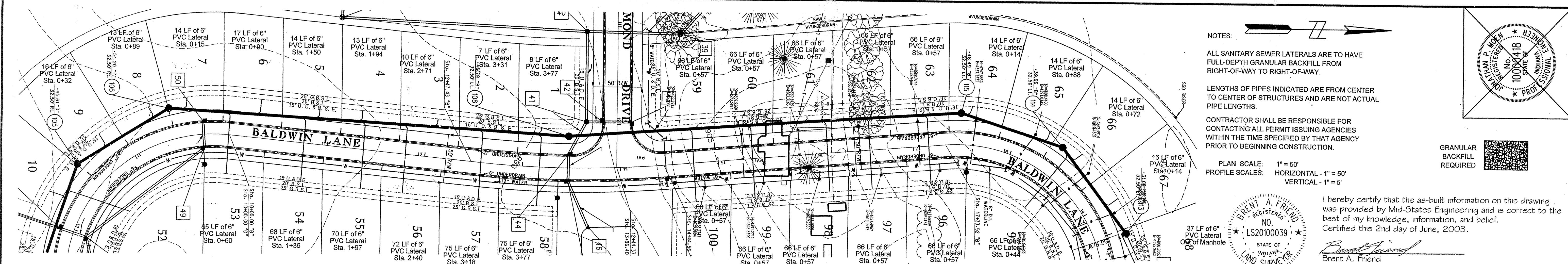
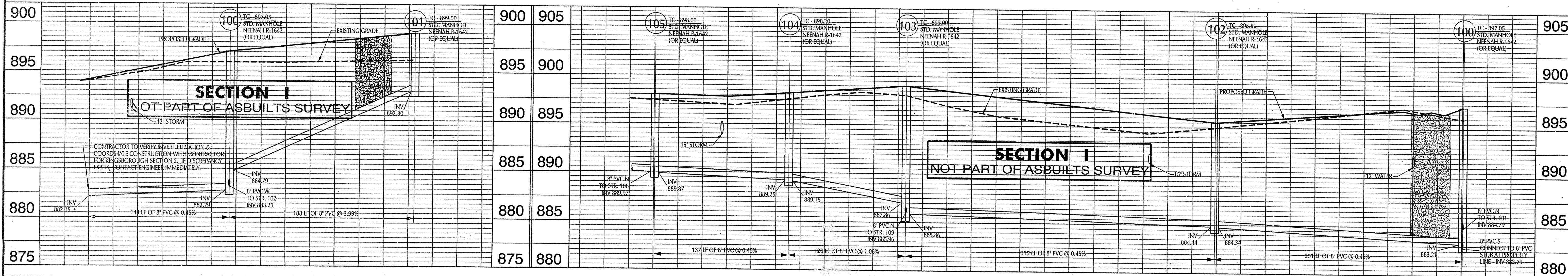
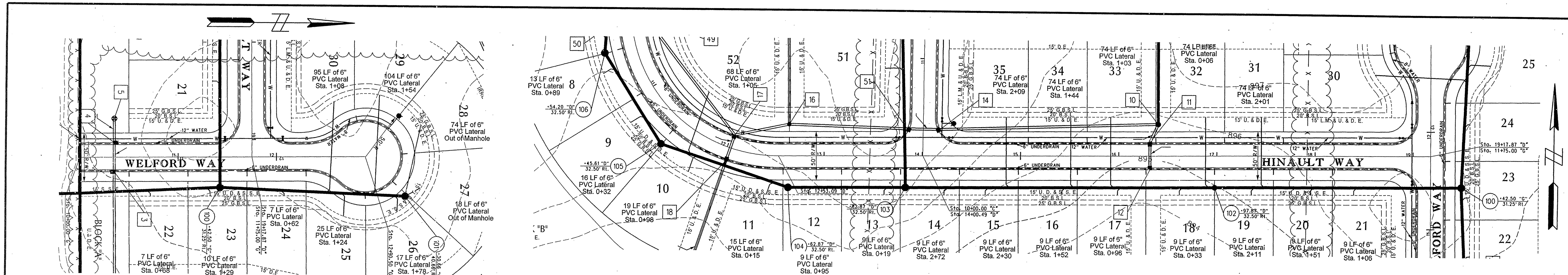
350 E. New York St., Suite 900
 Indianapolis, IN 46204
 (317) 634-6434 Phone
 (317) 634-3576 Fax

SCM DEVELOPMENT
 90 EXECUTIVE DRIVE, SUITE H
 CARMEL, INDIANA 46032
 (317) 814-5400 PHONE
 (317) 814-5200 FAX

DATE:	JUNE 16, 1999
SCALE:	1" = 50'
PROJECT NO.:	111-1123
SHEET NO.:	6 OF 24

FILED
 AUG 22 2003

SEE SHEET 7 FOR CONTINUATION



REVISIONS AND DATES

09-16-99	SEM	Revised Layout.
10-09-99	SEM	Per Client & Hamilton County Highway Dept.
11-10-99	SEM	Per Client
05-26-02	SEM	Revised Waterline Layout Per City of Carmel Comments

Checked by: SEM
 Drawn by: SEM
 Designed by: SEM

BROOKSTONE PARK OF CARMEL

SANITARY SEWER PLAN & PROFILE

PREPARED BY: **Mid-States ENGINEERING**

SCM DEVELOPMENT
 90 EXECUTIVE DRIVE, SUITE H
 CARMEL, INDIANA 46032
 (317) 815-5800 PHONE
 (317) 815-5200 FAX

DATE: JUNE 16, 1999
 SCALE: SEE NOTES
 PROJECT NO. 111-1123
 SHEET NO. **11** OF 24

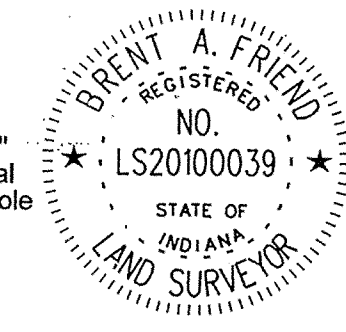
NOTES:

ALL SANITARY SEWER LATERALS ARE TO HAVE FULL-DEPTH GRANULAR BACKFILL FROM RIGHT-OF-WAY TO RIGHT-OF-WAY.

LENGTHS OF PIPES INDICATED ARE FROM CENTER TO CENTER OF STRUCTURES AND ARE NOT ACTUAL PIPE LENGTHS.

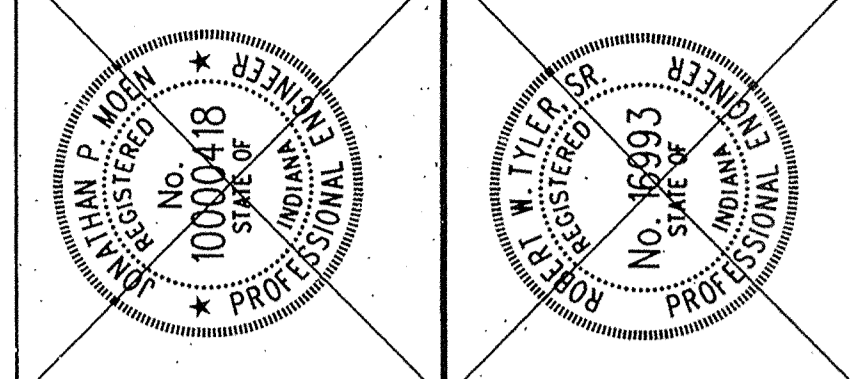
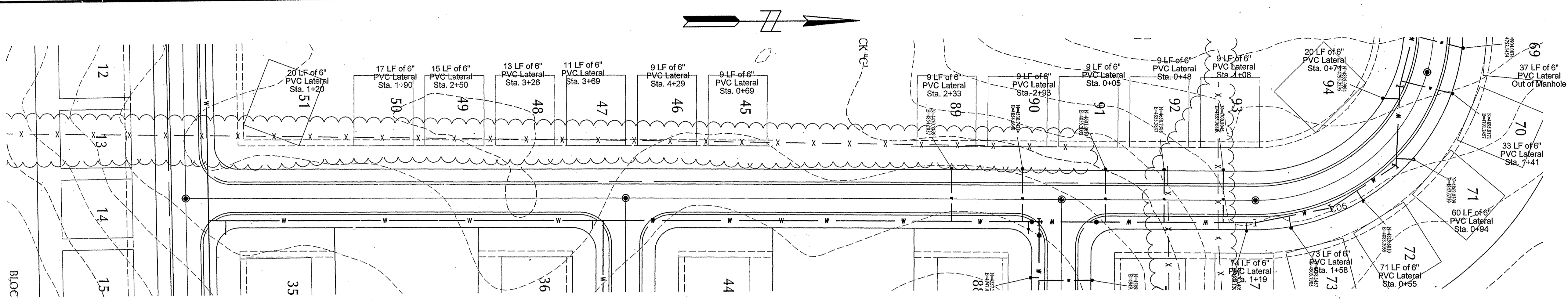
CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PERMIT ISSUING AGENCIES WITHIN THE TIME SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.

PLAN SCALE: 1" = 50'
 PROFILE SCALES: HORIZONTAL - 1" = 50'
 VERTICAL - 1" = 5'



I hereby certify that the as-built information on this drawing was provided by Mid-States Engineering and is correct to the best of my knowledge, information, and belief. Certified this 2nd day of June, 2003.

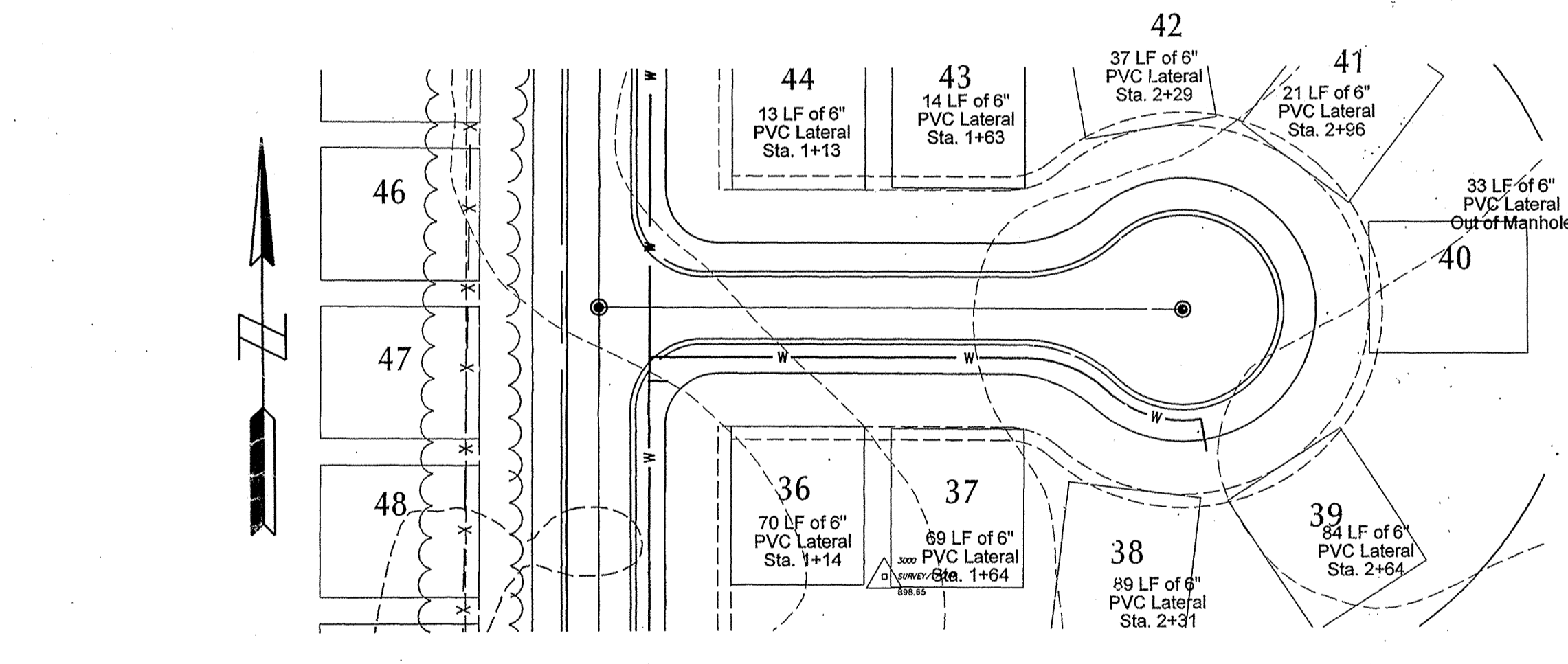
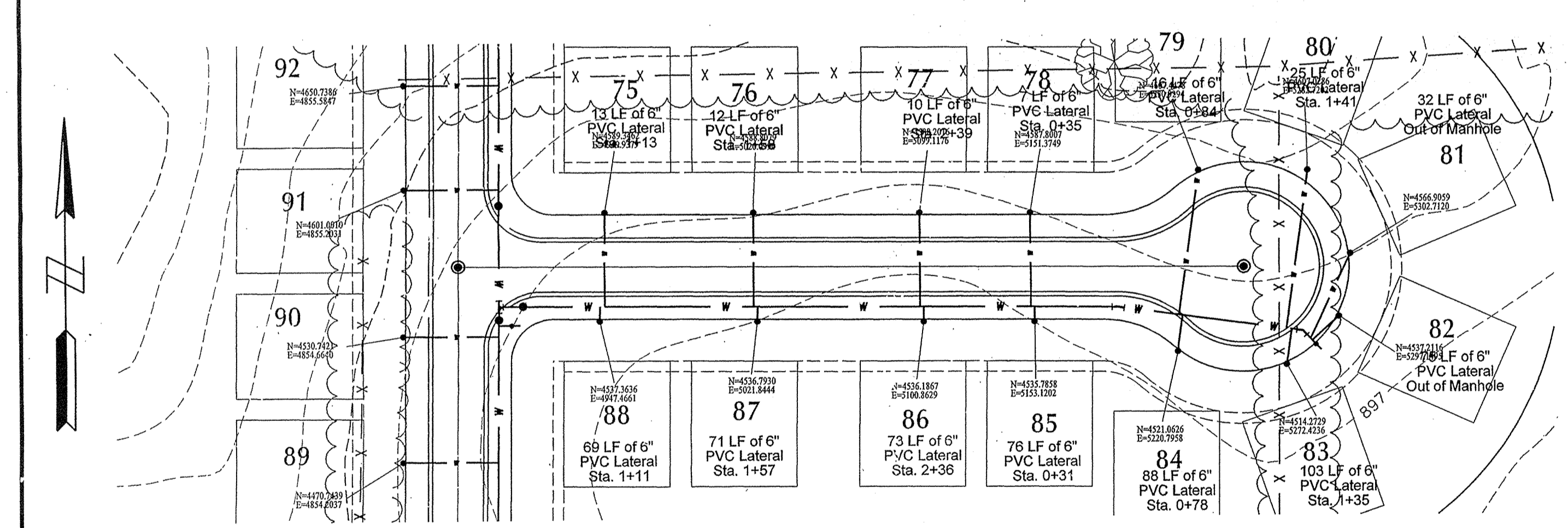
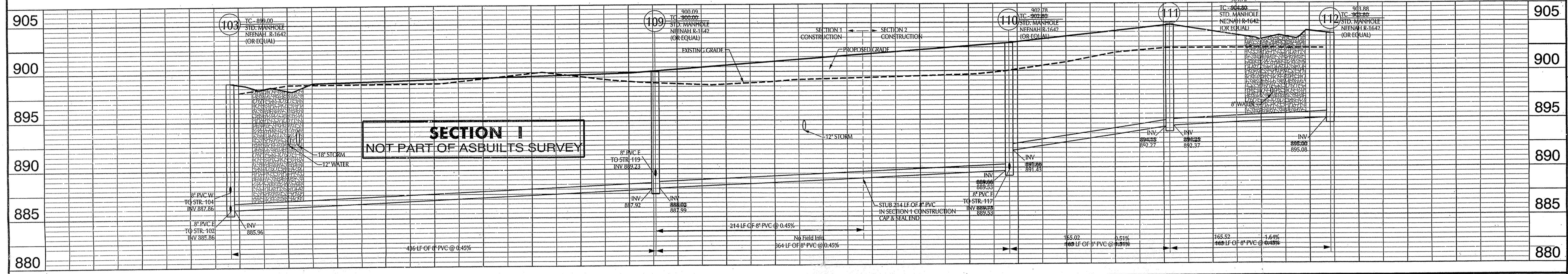
Brent A. Friend
 Brent A. Friend
 Registered Land Surveyor #LS20100039-IN



REVISIONS AND DATES

NO.	DATE	DESCRIPTION
09-16-99	09-16-99	Revised Layout.
10-09-99	10-09-99	Per Client & Hamilton County Highway Dept.
11-10-99	11-10-99	Rev. San. Lateral Location for Lot 73 per Client
05-25-02	05-25-02	Revised Waterline Location Per City of Carmel Comments
05-28-02	05-28-02	Revised Waterline Location Per City of Carmel Comments

Designed by: SEM
 Drawn by: SEM
 Checked by: RWI
 Approved by: RWI



NOTES:

ALL SANITARY SEWER LATERALS ARE TO HAVE FULL-DEPTH GRANULAR BACKFILL FROM RIGHT-OF-WAY TO RIGHT-OF-WAY.

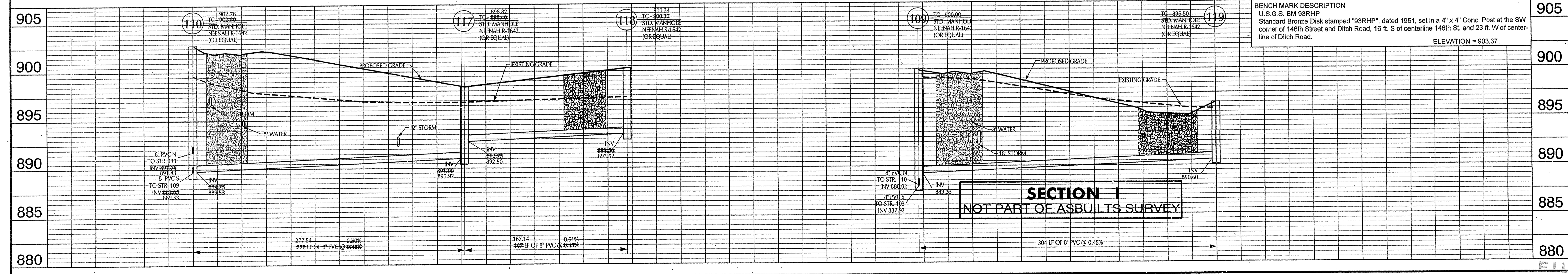
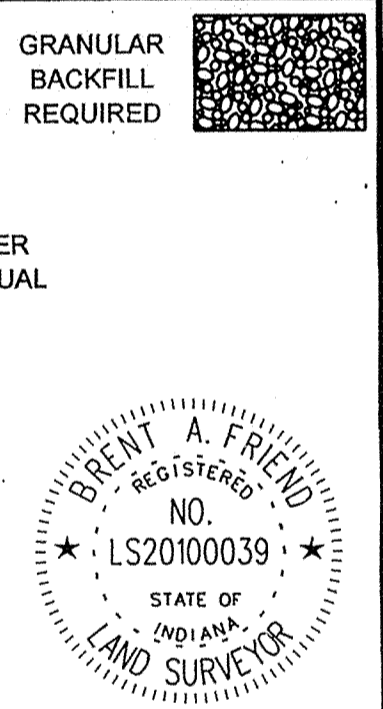
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Brent A. Friend
 Brent A. Friend
 Registered Land Surveyor #LS20100039-IN



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 ELEVATION = 903.37

PREPARED BY: Mid-States ENGINEERING

PREPARED FOR: SCM DEVELOPMENT

DATE: JUNE 16, 1999
 SCALE: SEE NOTES
 PROJECT NO. 111-1123
 SHEET NO. 12 OF 24

350 E. New York St., Suite 300
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