

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

October 23, 2003

Suite 188

One Hamilton County Square

Noblesville, Indiana 46060-2230

TO: Hamilton County Drainage Board

RE: Centennial Drain, Section 9 Arm

Attached is a petition filed by Estridge Development Co., Inc. along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 9 Arm, Centennial Drain to be located in Washington 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:

12" RCP	2,922 ft.	24" RCP	488 ft.	30" CMP	30 ft.
15" RCP	1,225 ft.	36" RCP	1,987 ft.	10" CMP	80 ft.
18" RCP	696 ft.	12" CMP	45 ft.	Open Ditch	100 ft.

The total length of the drain will be 7,573 feet.

The CMP'S listed above are those under 156th Street and Ditch Road which tie into structures 741 and 705 respectively. The 30" CMP is that which crosses 156th Street and enters structure E739 which was installed with Section 8A. The 10" CMP and open ditch is that which crosses under Ditch Road and enters Lake #5 from the south.

The retention pond (lake # 5) located in Common Area #3 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) under curbs are not to be part of the regulated drain. This is per the agreement between the developer, Estridge Development Company, and the Hamilton County Commissioners on March 8, 1999. (See Commissioners Minute Book 93, Pages 138 – 139).

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 \$ 5.00 per acre for common areas and tracts, \$ 5.00 per acre for roadways, \$50.00 per lot with a \$ 50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$2,811.56.


The petitioner has submitted surety for the proposed drain at this time. Surety shall 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: Developers Surety and Indemnity Co.	Agent: Developers Surety and Indemnity Co.
Date: August 14, 2003	Date: August 14, 2003
Number: 888617S	Number: 888621A
For: Erosion Control	For: Storm Sewer and Subsurface Drain
Amount: \$42,610.00	Amount: \$445,720.00

Parcels assessed for this drain may be assessed for the Osborn-Collins or Williams Creek Drain at sometime in the future. I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Centennial, Section 9 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for November 24, 2003.

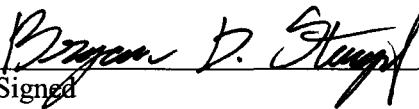


Kenton C. Ward
Hamilton County Surveyor

KCW/pll

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's cost as per IC 36-9-27-46.

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


Signed

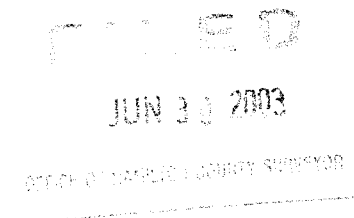
BRYAN D. STUMPF
Printed Name

Signed

Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE 06/23/03

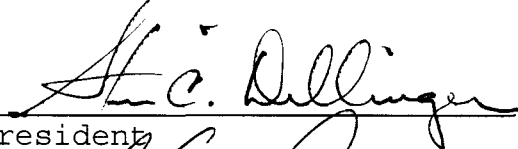


FINDINGS AND ORDER
CONCERNING THE MAINTENANCE OF THE
Centennial Drain, Section 9 Arm

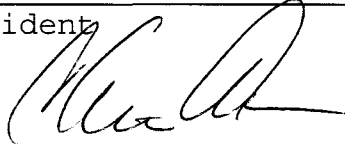
On this *8th day of December 2003*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Centennial Drain, Section 9 Arm*.

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



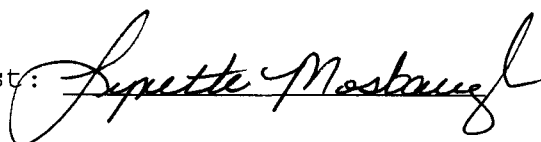
President



Member



Member


Attest: 

CERTIFICATE OF COMPLETION AND COMPLIANCE

TO: HAMILTON COUNTY SURVEYOR
RE: Centennial, Section 9

I hereby certify that:

1. I am a Register 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:  Date: 10/19/05

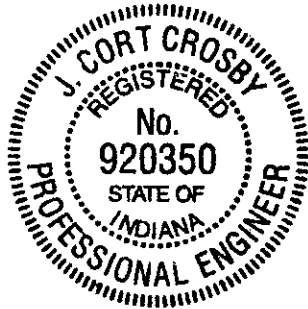
Type or print name: J. Cort Crosby P.E.

Business /Address: The Schneider Corporation

8901 OTIS AVENUE, INDIANAPOLIS, IN 46216

Telephone: (317) 826-7306

SEAL



INDIANA REGISTRATION NUMBER

PE 920350



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 20, 2006

Re: Centennial Drain: Centennial Section 9

Attached are as-builts, certificate of completion & compliance, and other information for Centennial Drain. 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 October 23, 2003. The report was approved by the Board at the hearing held November 24, 2003. (See Drainage Board Minutes Book 5, Pages 265-266) The changes are as follows:

Structure:	Length:	Size:	Material:	Up Invert:	Dn Invert:	Grade:	Changes (Ft.):
705-845	64	36	RCP	906.8	906.49	0.48	
845-844	139	36	RCP	906.39	906.08	0.22	1
844-843	24	36	RCP	906.08	905.66	1.75	
843-842	49	36	RCP	905.66	905.57	0.18	1
842-839	84	36	RCP	905.57	905.25	0.38	-1
839-838	184	36	RCP	905.25	904.86	0.21	2
838-837	24	36	RCP	904.86	904.79	0.29	
837-828	94	36	RCP	904.79	904.71	0.09	-4
828-825	83	36	RCP	904.79	904.71	0.09	3
825-822	149	36	RCP	904.4	904.21	0.13	-1
822-821	343	36	RCP	904.21	903.37	0.24	4
827-826	24	12	RCP	909	908.63	1.54	
826-825	147	12	RCP	908.63	904.4	1.35	3
829-828	91	18	RCP	906.16	904.71	0.33	-2
830-829	196	18	RCP	906.16	906.82	0.34	
802-801	25	12	RCP	910.16	909.63	2.12	
801-800	128	12	RCP	909.63	907.38	1.76	
800-E712	52	12	RCP	907.38	906.26	2.15	
847-846	42	15	RCP	907.2	907.08	0.29	
846-845	105	15	RCP	907.08	906.39	0.37	-1
761-760	135	12	RCP	908.88	905.12	2.79	
864-863	24	12	RCP	909.61	909.3	1.29	-1
863-862	143	12	RCP	909.22	907.12	1.47	2

862-861	68	12	RCP	907.12	905.02	3.09	2
759-758	66	12	RCP	905.88	905.05	1.26	10
824-823	52	12	RCP	906.88	906.35	1.02	1
823-822	136	15	RCP	906.35	904.21	0.4	
859-858	78	12	RCP	905.25	904.66	0.76	-3
860-858	77	12	RCP	905.77	904.56	1.57	19
858-857	146	12	RCP	904.47	904.13	0.23	-7
543-542	217	24	RCP	905.03	902.23	1.29	
542-541	24	24	RCP	902.23	902.18	0.21	
841-840	42	12	RCP	909.39	909.01	0.9	
840-839	135	12	RCP	909.01	905.25	1.31	
856-855	24	12	RCP	904.72	904.43	1.21	
855-854	77	12	RCP	903.49	904.43	1.01	1
738-737	24	12	RCP	912.41	908.92	0.79	
737-736	42	12	RCP	908.92	904.95	1.17	2
807-806	141	18	RCP	906.05	905.12	0.66	2
806-805	20	24	RCP	904.92	904.75	0.85	
805-804	24	24	RCP	904.75	904.69	0.25	
804-803	129	24	RCP	904.69	903.94	0.58	1
803-E573	64	24	RCP	903.94	903.53	0.64	-4
852A-852	13	12	RCP	909.57	909.28	2.23	1
852-851	33	12	RCP	909.28	908.68	0.55	-11
851-850	116	12	RCP	908.68	908.27	0.35	21
850-849	114	12	RCP	908.27	907.78	0.43	1
849-848	55	12	RCP	907.78	907.55	0.42	-2
848-847	54	15	RCP	907.35	907.2	0.28	
836-835	38	12	RCP	909.34	908.94	1.05	1
835-834	36	12	RCP	908.94	908.82	0.33	-2
834-833	79	12	RCP	908.82	908.39	0.54	3
833-832	121	15	RCP	908.29	907.87	0.35	
832-831	113	15	RCP	907.87	907.18	0.61	
831-830	85	15	RCP	907.18	906.82	0.42	
812-811	113	12	RCP	909.29	908.77	0.46	
811-810	114	12	RCP	908.77	907.9	0.76	1
810-809	85	15	RCP	907.9	907.48	0.49	-2
809-808	115	15	RCP	907.48	906.52	0.83	2
808-807	84	18	RCP	906.52	906.05	0.56	
820-819	112	12	RCP	908.79	908.27	0.46	
819-818	168	12	RCP	908.27	906.9	0.82	1
818-817	144	15	RCP	906.9	906.09	0.56	
817-813	28	15	RCP	906.09	905.78	1.11	-2
813-806	71	18	RCP	905.53	905.02	0.72	
749-748	45	12	RCP	908.85	908.18	1.45	1
748-747	91	15	RCP	908.18	907.66	0.57	1
747-746	105	15	RCP	907.66	907.02	0.7	
746-745	112	18	RCP	906.92	906.39	0.47	-1
745-744	87	36	RCP	906.39	905.44	0.09	
741-745	79	36	RCP	905.94	905.44	0.1	

744-743	115	36	RCP	905.36	905.26	0.09	2
743-736	130	36	RCP	905.26	904.95	0.24	-2
736-739A	78	36	RCP	904.95	904.81	0.18	
739B-739A	26	12	RCP	908.86	907.51	5.19	2
739A-E739	164	36	RCP	904.81	904.64	0.1	
814-813	97	12	RCP	906.81	906	0.84	3
815-814	168	12	RCP	907.67	906.81	0.51	
816-815	152	12	RCP	908.34	907.67	0.44	
821-E559	100	36	RCP	903.37	902.93	0.44	-1
852-852B	65	12	PVC				65

RCP Pipe Totals:

12	2988
15	1224
18	695
24	478
36	1990

Total: 7375

Other Drain:

12" PVC	65
10" CMP	80
12" CMP	45
30" CMP	30
Open	100

Total: 320

The length of the drain due to the changes described above is now **7,695 feet**.

The non-enforcement was approved by the Board at its meeting on November 24, 2003 and recorded under instrument #200300123753.

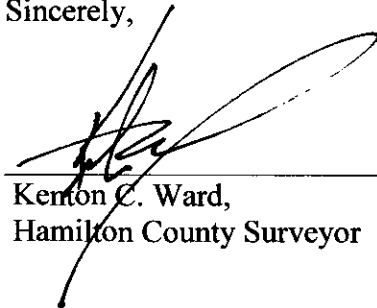
The following sureties were guaranteed by Developers Surety and Indemnity Co. and released by the Board on its January 9, 2006 meeting.

Bond-LC No: 888621A
Insured For: Storm Sewers, SSD
Amount: \$445,720.00
Issue Date: August 14, 2003

Bond-LC No: 888617S
Insured For: Erosion Control
Amount: \$42,610.00
Issue Date: August 14, 2003

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

Sincerely,



Kerton C. Ward,
Hamilton County Surveyor

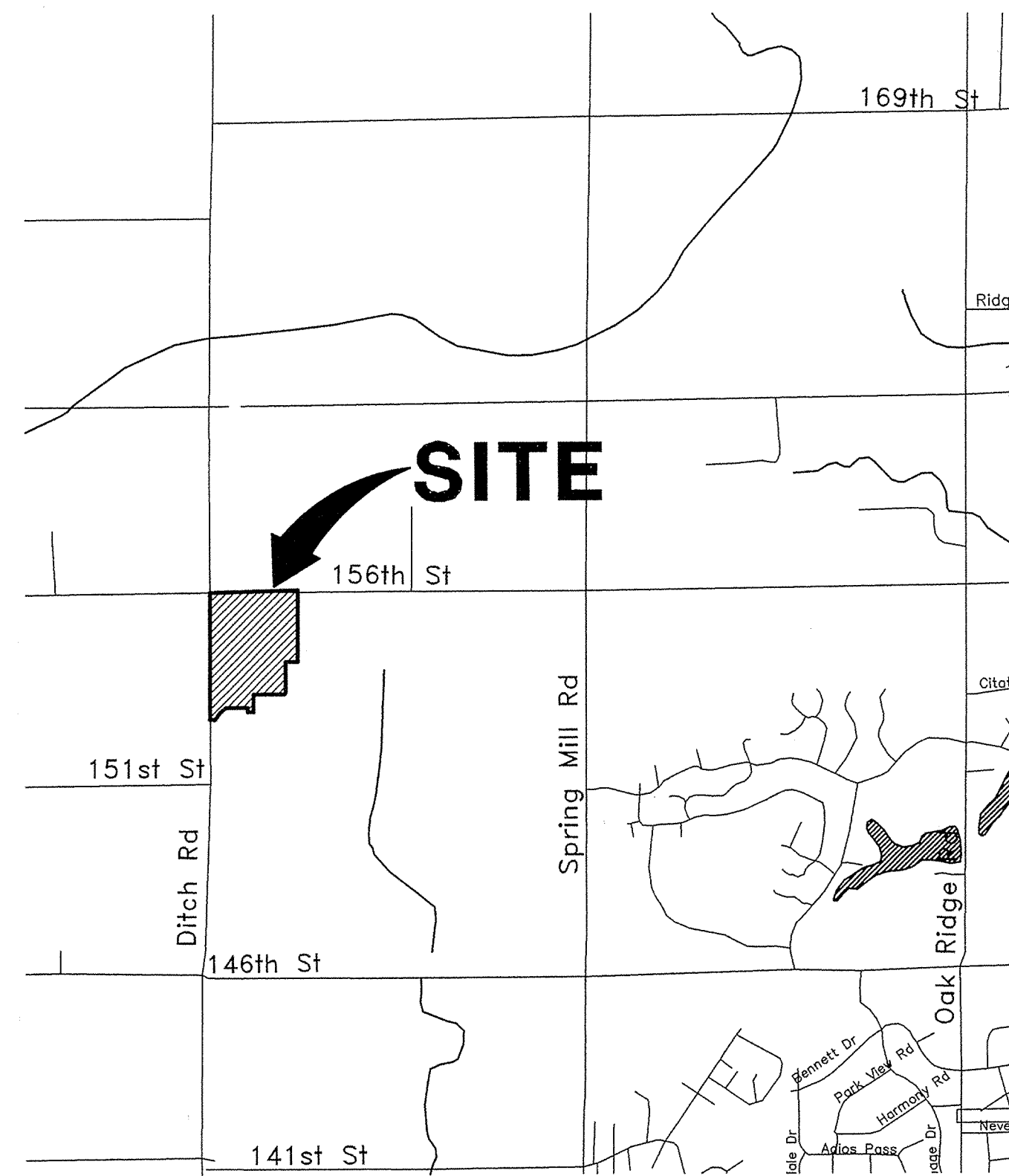
KCW/slm

- SEC. 15-T18N-R3E -

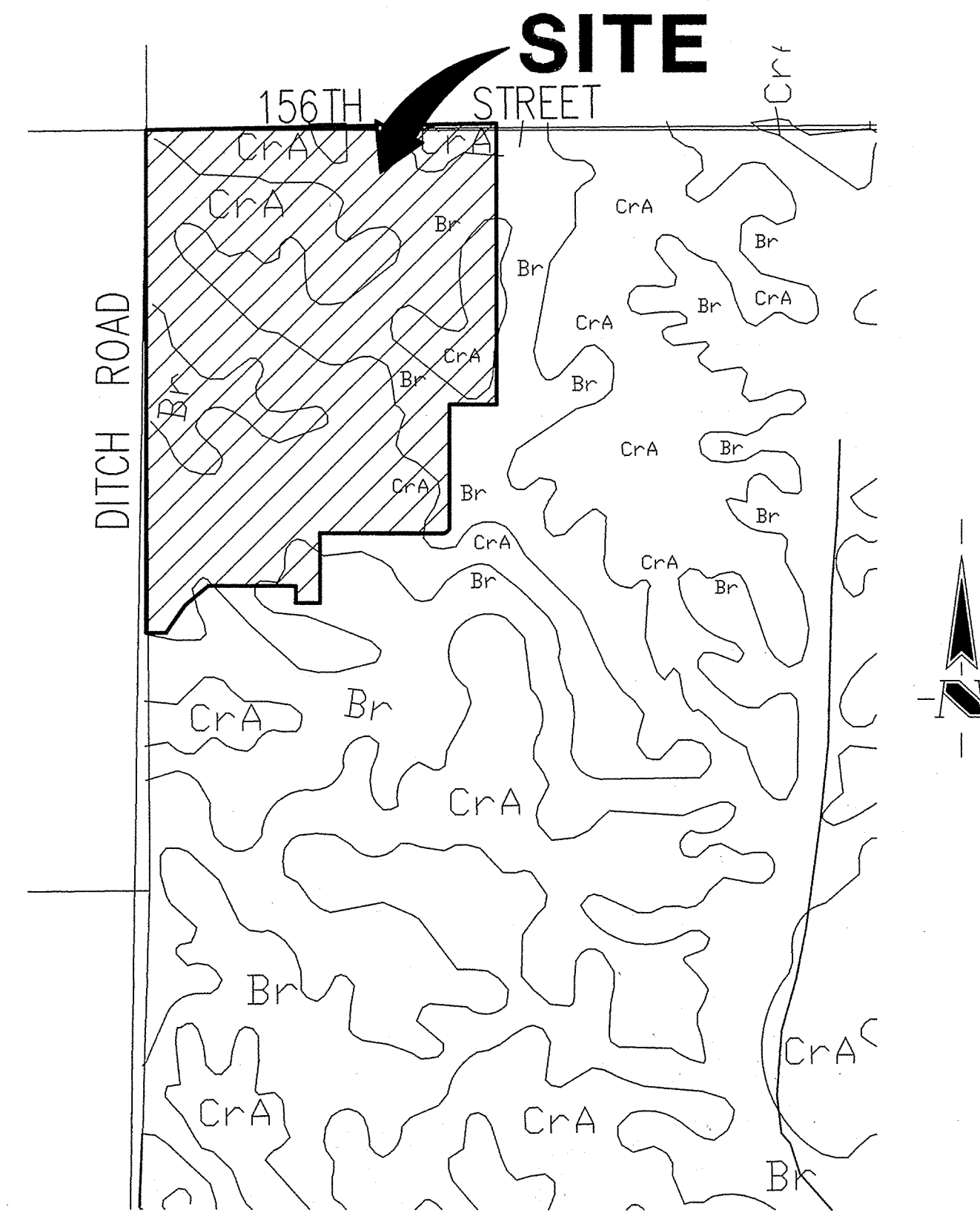
CENTENNIAL SECTION 9

(CONSTRUCTION PLANS) HAMILTON COUNTY WESTFIELD, INDIANA

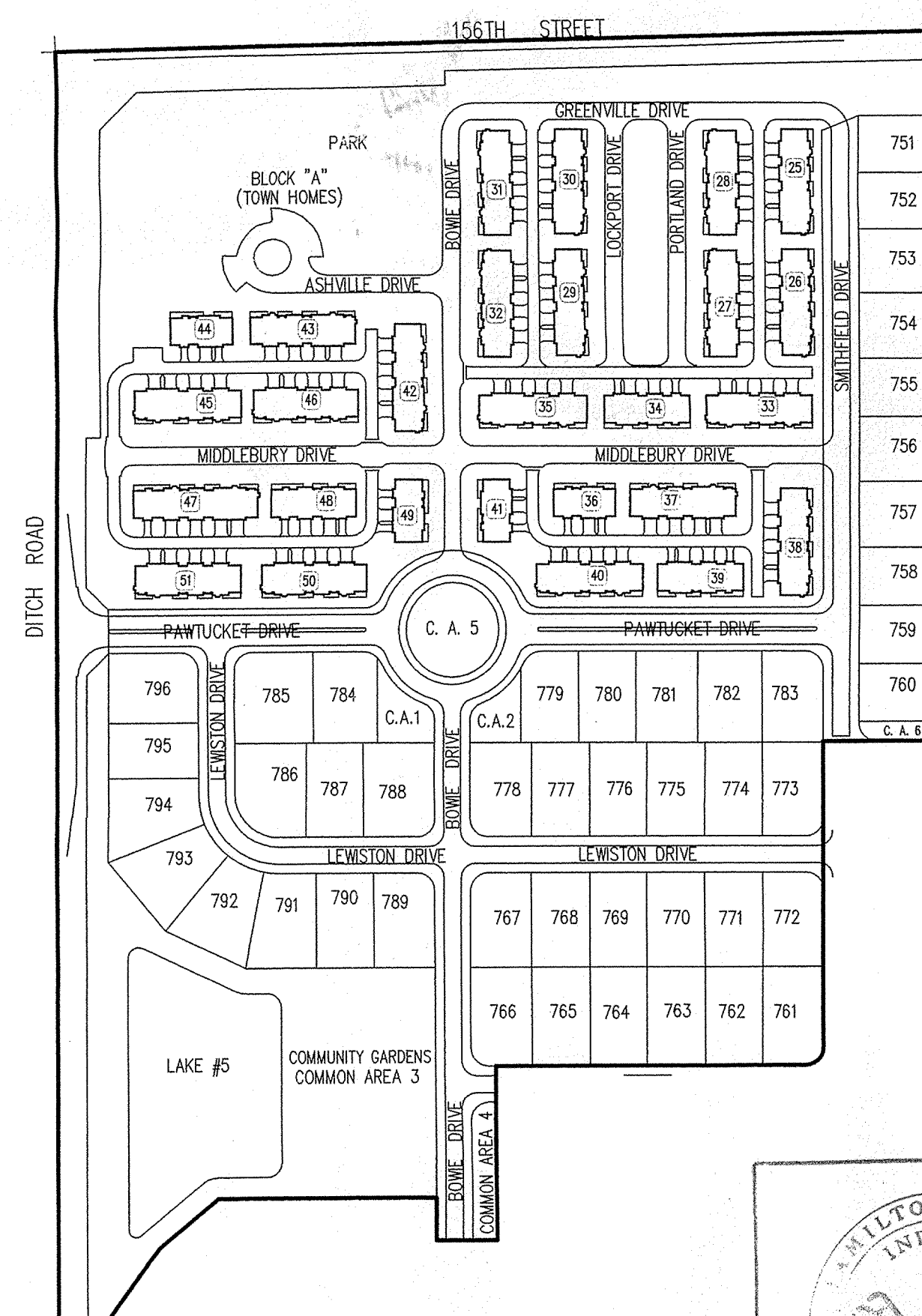
DEVELOPER:
ESTRIDGE DEVELOPMENT CO., INC.
1041 WEST MAIN STREET
CARMEL, INDIANA 46032
(317) 582-2456




AREA MAP
SCALE: 1"=2000'



SOILS MAP
SCALE: 1"=500'



SITE MAP
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: 1-24-2016
Entered by: SLM

INDEX	
SHEET No.	DESCRIPTION
C100	COVER SHEET
C101	TOWNHOMES SITE PLAN
C102	INFRASTRUCTURE REVISION PLAN
C103, C104	DEVELOPMENT PLAN
C105	STRUCTURE DATA AND INFORMATION
C106, C107	EROSION CONTROL PLAN
C108	EROSION CONTROL DETAILS
C201-C204	STREET PLAN
C301	ENTRANCE PLAN
C302	INTERSECTION DETAILS
C303	TRAFFIC CONTROL PLAN
C401-C404	SANITARY SEWER PLAN
C601-C606	STORM SEWER PLAN
C701, C702	WATER DISTRIBUTION PLAN
C703	WATER DISTRIBUTION DETAILS
C801-C804	GENERAL DETAILS
C901, C902	SPECIFICATIONS



Historic Fort Harrison
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317-826-7200 Fax
www.schneidercorp.com

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Civil Engineering
Environmental Engineering
Geotechnical Services
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Home Builder Services
Interior Design
Land Surveying
Landscape Architecture
Transportation Engineering


CERTIFIED BY: J. CORT CROSBY, P.E.

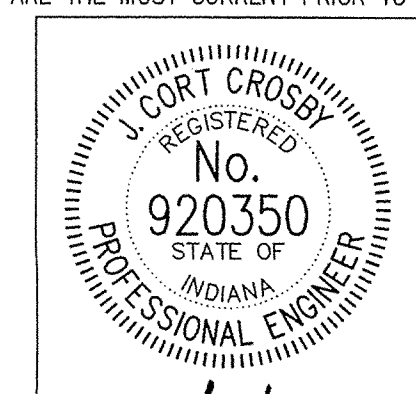
E-MAIL ADDRESS: crosby@schneidercorp.com

DATE	BY	DESCRIPTION
07/10/03	PRC	ALL SHEETS EXCEPT C801, C803, C804, C901 & C902.
10/24/03	DRP	C100, C102, C104, C105, C107, C401, C804 & C702.
02/09/04	PRC	C100-C103, C105, C106, C201, C301, C303, C402, C403, C602-C605 & C701.
03/03/04	PRC	C100, C103 & C701.

PROJECT ENGINEER: JCC

CHECKED BY: JCC DATE CHECKED: 06/18/03

THESE DOCUMENTS ARE SUBJECT TO PERIODIC REVISIONS BY THE SCHNEIDER CORPORATION. THE HOLDER IS RESPONSIBLE FOR VERIFYING THAT THESE DOCUMENTS ARE THE MOST CURRENT PRIOR TO USE.



DATE: 10/18/05

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JOB No. (753.030)

SHEET
C100
OF
35

RECORD DRAWING

RECORD DRAWING

ASSUMED NORTH
SCALE: 1"=50'

BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND
DITCH ROAD.
ELEV. = 903.373

TBM #9
R.R. SPIKE 1.5' UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
ELEV. = 908.39

GENERAL NOTES

- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
- 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 WRITING THE OWNER AND THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
- STANDARD SPECIFICATIONS FOR WESTFIELD SHALL APPLY FOR ALL SANITARY SEWERS.
- ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
- THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
- SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4" IN WIDTH.
- CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
- EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTION AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS AND PERPENDICULAR SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
- 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.

LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Sewer
- Existing Contour
- New Pavement Grade
- All Other Finish Grades
- Storm Structure Number
- Sanitary Structure Number
- Flow Arrow
- Denotes House Size and No Pad To Be Built
- Grade Indicates Minimum Finished Floor Elevation

NOTE:
FOR STRUCTURE DATA TABLES
SHEET C105.

Match Line
SEE SHEET C104

EXISTING SECTION 3
374 CENTENNIAL

REGISTERED PROFESSIONAL ENGINEER
No. 920350
STATE OF INDIANA
DATE: 10/10/05

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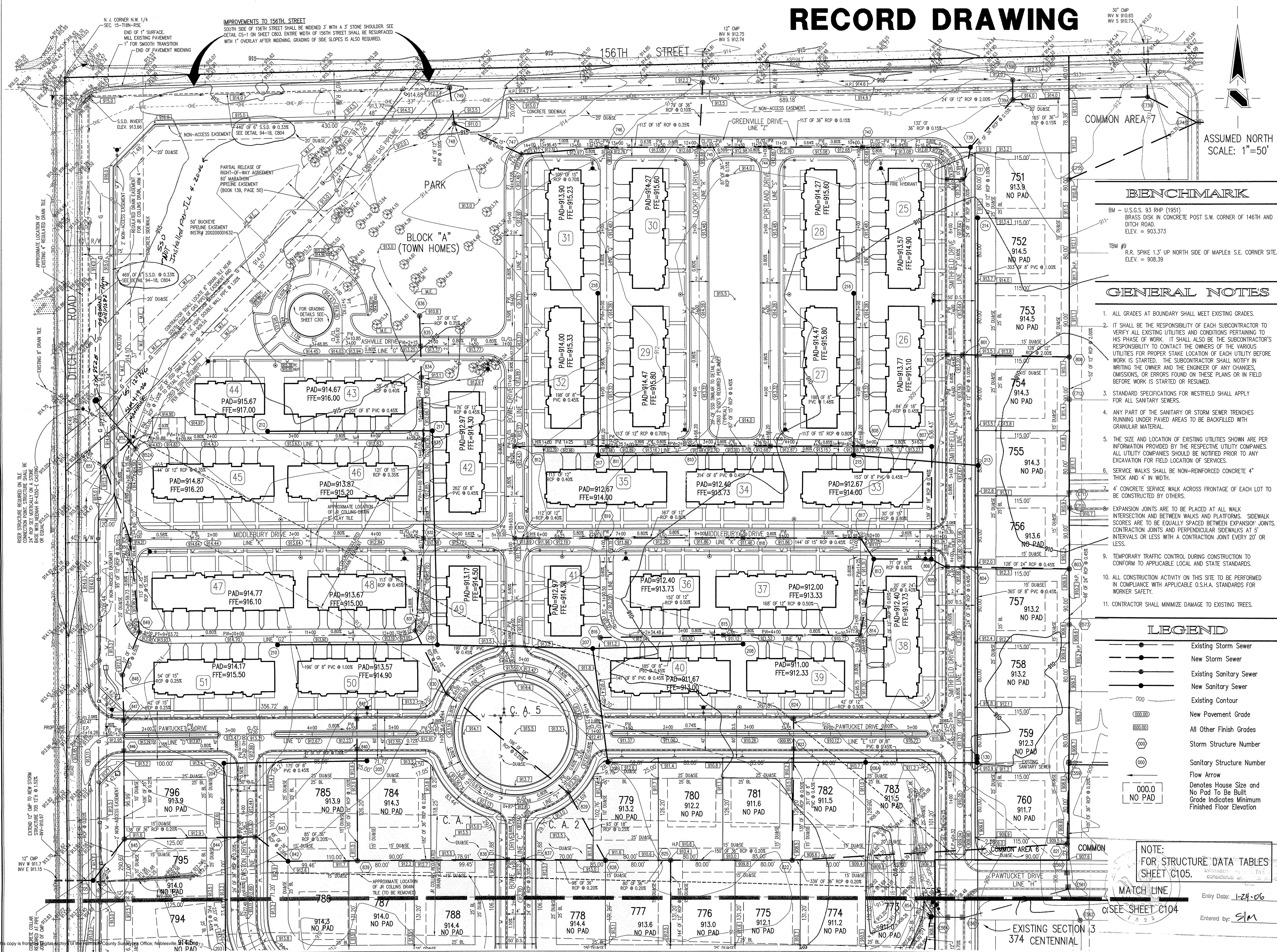
THE SCHNEIDER CORPORATION
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CENTENNIAL SECTION 9
WESTFIELD, INDIANA
ESTRIDGE DEVELOPMENT CO., INC.
CARMEL, INDIANA

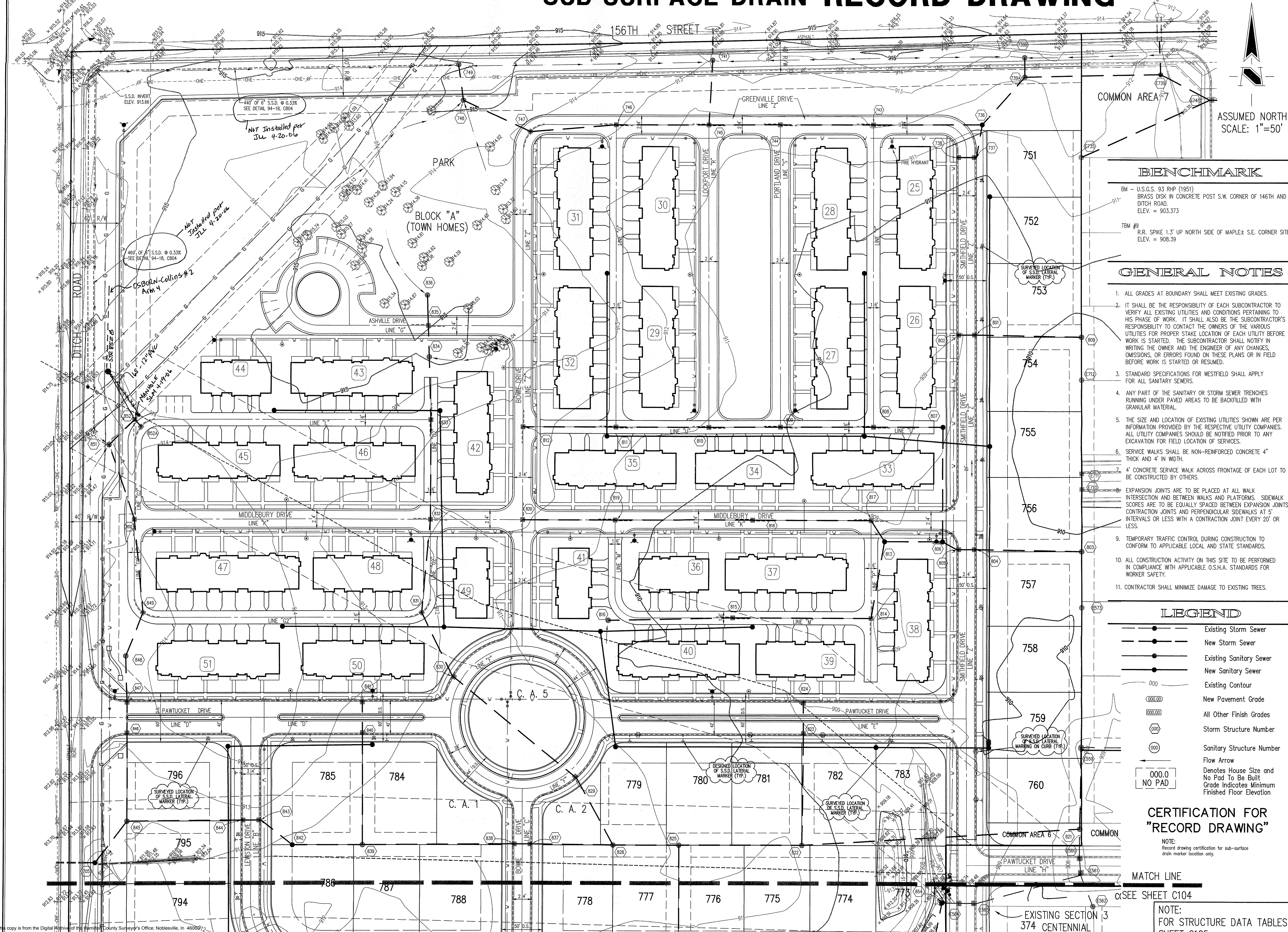
DATE: 06/18/03	PROJECT NO.: 753.030
DRAWN BY: PRC	CHECKED BY: JCC
DEVELOPMENT PLAN	
FILED: R:\753\030\DWG\C103	
XREF: 03085	
XREF: R:\753\028\DWG\02885	
XREF: R:\753\027\DWG\02785	
XREF: R:\753\003\DWG\00385	
XREF: R:\753\027\DWG\753027T	
XREF: R:\753\005\DWG\00585	
SHEET NO.:	

C103



This copy is from the files of the Planning and Zoning Department, Office: Noblesville, 91459-1909

SUB-SURFACE DRAIN RECORD DRAWING



ASSUMED NORTH
SCALE: 1"=50'

BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
ELEV. = 903.373

TBM #9
R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
ELEV. = 908.39

GENERAL NOTES

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2. 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 AND THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
3. STANDARD SPECIFICATIONS FOR WESTFIELD SHALL APPLY FOR ALL SANITARY SEWERS.
4. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
5. THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
6. SERVICE WALKS SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4' IN WIDTH.
7. 4" CONCRETE SERVICE WALK ACROSS FRONTAGE OF EACH LOT TO BE CONSTRUCTED BY OTHERS.
8. EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTION AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS AND PERPENDICULAR SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
9. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
10. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
11. CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Sewer
- 000 Existing Contour
- 000.00 New Pavement Grade
- 000.00 All Other Finish Grades
- 000 Storm Structure Number
- 000 Sanitary Structure Number
- Flow Arrow
- 000.0 NO PAD Denotes House Size and No Pad To Be Built
- Grade Indicates Minimum Finished Floor Elevation

CERTIFICATION FOR "RECORD DRAWING"

NOTE:
Record drawing certification for sub-surface drain marker location only.

MATCH LINE

SEE SHEET C104

EXISTING SECTION 3
374 CENTENNIAL

NOTE:
FOR STRUCTURE DATA TABLES
SHEET C105.

REVISIONS

DATE: 10/10/05

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REGISTERED PROFESSIONAL ENGINEER

No. 920350

STATE OF INDIANA

DATE: 10/10/05

THE SCHNEIDER CORPORATION

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CENTENNIAL SECTION 9

WESTFIELD, INDIANA

ESTRIDGE DEVELOPMENT CO., INC.
CARMEL, INDIANA

DATE: 06/18/03 PROJECT NO.: 753.030

DRAWN BY: DRP CHECKED BY: JCC

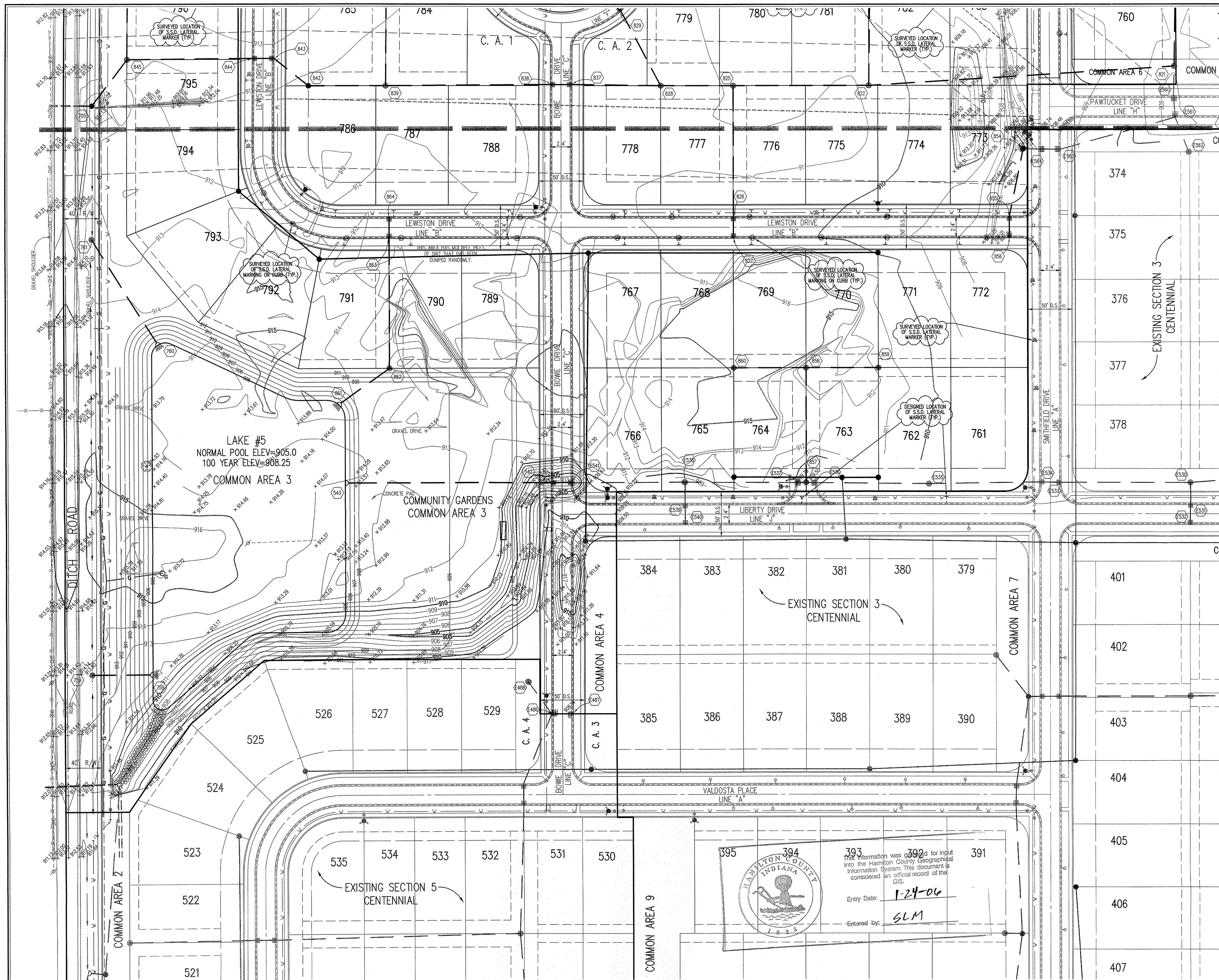
SHEET TITLE: SUB-SURFACE DRAIN RECORD DRAWING

DRAWING FILES:
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XREF: 03065
XREF: R:\753\028\DWG\S\02885
XREF: R:\753\027\DWG\S\02785
XREF: R:\753\005\DWG\S\00585
XREF: R:\753\027\DWG\S\753027T
XREF: R:\753\005\DWG\S\00585

SHEET NO.:

C103

This copy is from the Digital Archive of the Hamilton County Surveyor's Office, Noblesville, IN 46060



BENCHMARK
 BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373

TBM #9
 R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE± S.E. CORNER SITE.
 ELEV. = 908.39

MATCH LINE
 CCSEE SHEET C103

HOLEY MOLEY SAYS "DON'T DIG BLIND"

"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
 CALL TOLL FREE

PER INDIANA STATE LAW 15-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

ASSUMED NORTH
 SCALE: 1"=50'

GENERAL NOTES

- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
- 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 AND THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
- STANDARD SPECIFICATIONS FOR WESTFIELD SHALL APPLY FOR ALL SANITARY SEWERS.
- ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
- THE SIZE AND LOCATION OF EXISTING UTILITIES SHOWN ARE PER INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES. ALL UTILITY COMPANIES SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION FOR FIELD LOCATION OF SERVICES.
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- EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTION AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS. CONTRACTION JOINTS AND PERPENDICULAR SIDEWALKS AT 5' INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20' OR LESS.
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- CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

LEGEND

	Existing Storm Sewer
	New Storm Sewer
	Existing Sanitary Sewer
	New Sanitary Sewer
	Existing Contour
	New Pavement Grade
	All Other Finish Grades
	Storm Structure Number
	Sanitary Structure Number
	Flow Arrow
	Denotes House Size and No Pad To Be Built
	Grade Indicates Minimum Finished Floor Elevation

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

Entry Date: 1-24-06
 Entered by: SLM

CERTIFICATION FOR "RECORD DRAWING"

NOTE:
 Record drawing certification for sub-surface drain marker location only.

SUB-SURFACE DRAIN RECORD DRAWING

NOTE:
 FOR STRUCTURE DATA TABLES SHEET C105.

REVISIONS:

J. DORT CROSSY
 REGISTERED No. 920350
 STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 10/18/05

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CENTENNIAL SECTION 9

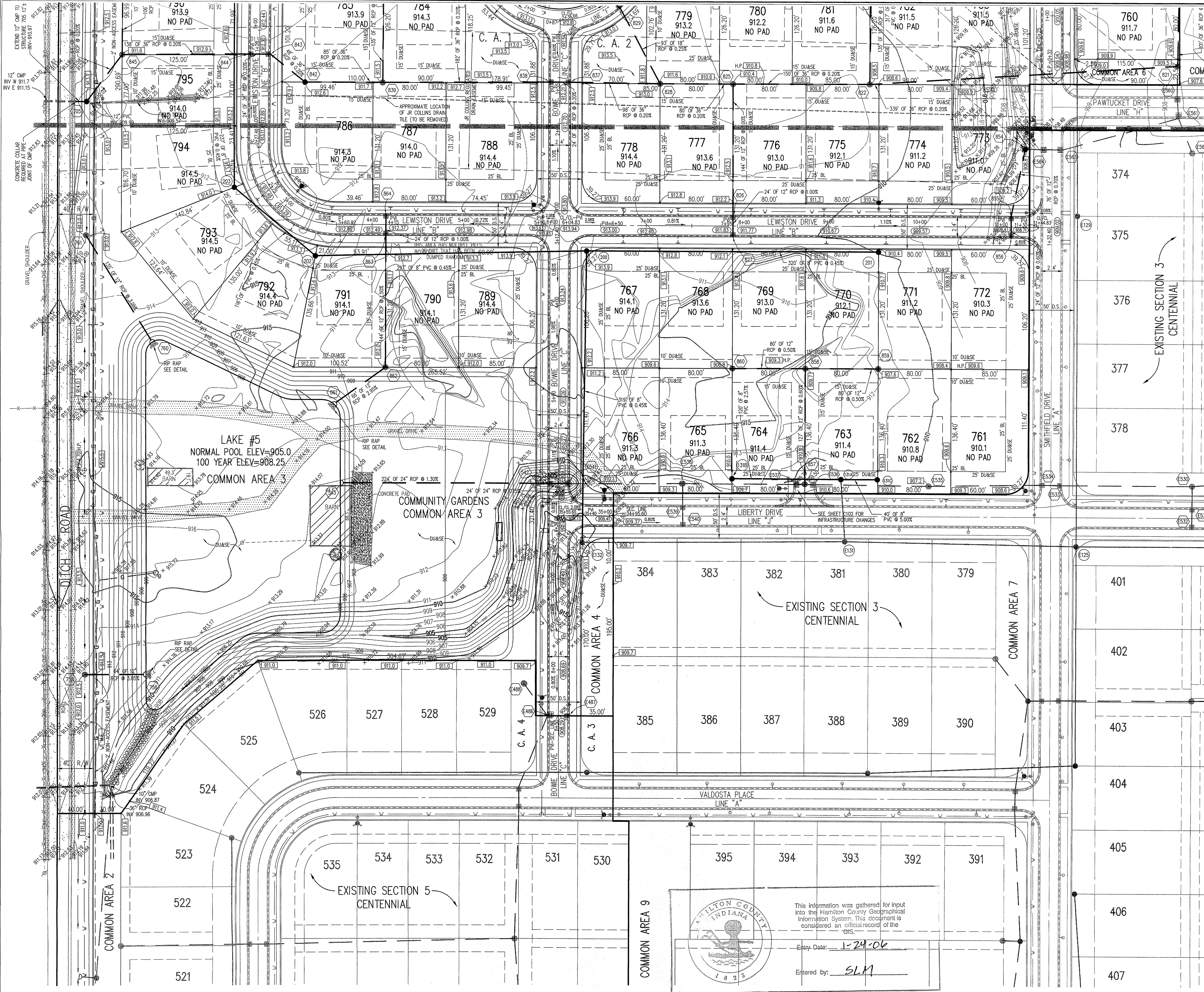
WESTFIELD, INDIANA

ESTRIDGE DEVELOPMENT CO., INC.
 CARMEL, INDIANA

DATE: 06/18/03 PROJECT NO: 753.030
 DRAWN BY: DRP CHECKED BY: JCC
 SHEET TITLE: SUB-SURFACE DRAIN RECORD DRAWING

DRAWING FILES:
 R:\753\030\DWG\C103
 XREF: 030B5
 XREF: R:\753\028\DWG\028B5
 XREF: R:\753\027\DWG\027B5
 XREF: R:\753\003\DWG\003B5
 XREF: R:\753\027\DWG\753027T
 XREF: R:\753\005\DWG\005B5

SHEET NO: **C104**



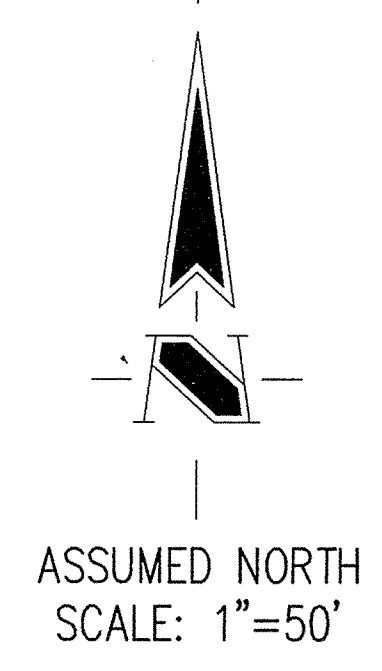
BENCHMARK
 BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373
 TBM #9
 R.R. SPIKE 1.3" UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
 ELEV. = 908.39

MATCH LINE
 ccSEE SHEET C103

HOLEY MOLEY SAYS
"DON'T DIG BLIND"



"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
 CALL TOLL FREE
 PER INDIANA STATE LAW 15-69-1991.
 IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

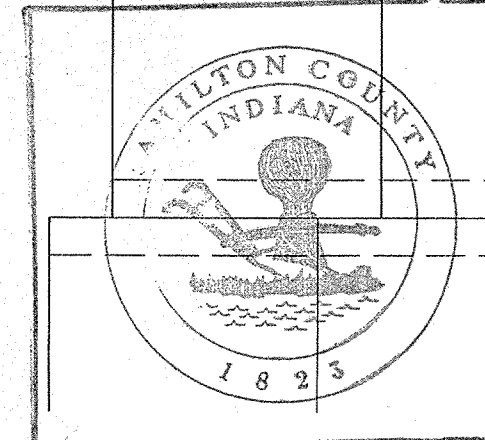


GENERAL NOTES

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- CONTRACTOR SHALL MINIMIZE DAMAGE TO EXISTING TREES.

LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Existing Sanitary Sewer
- New Sanitary Sewer
- Existing Contour
- New Pavement Grade
- All Other Finish Grades
- Storm Structure Number
- Sanitary Structure Number
- Flow Arrow
- Denotes House Size and No Pad To Be Built
- Grade Indicated Minimum Finished Floor Elevation



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: 1-24-06
 Entered by: SLM

NOTE:
 FOR STRUCTURE DATA TABLES
 SHEET C105.

REVISIONS:
 1. PLOT 10/24/03 REVISION PAV. & STREET WIDTH ON PAWBUCKET DR. ADJUSTED SHM. SWER. SAN., WATER & LOT LINES. ADDED SDO'S FOR PAVED AREA. SDO'S. ALSO ADDED. A 20' DUAUSE ALONG E/W OF BOTH NORTH STR. & DITCH RD.
 2. DOP 10/24/03 ADDED SANITARY SEWER AT THE FRONT OF LOTS 763 & 764.

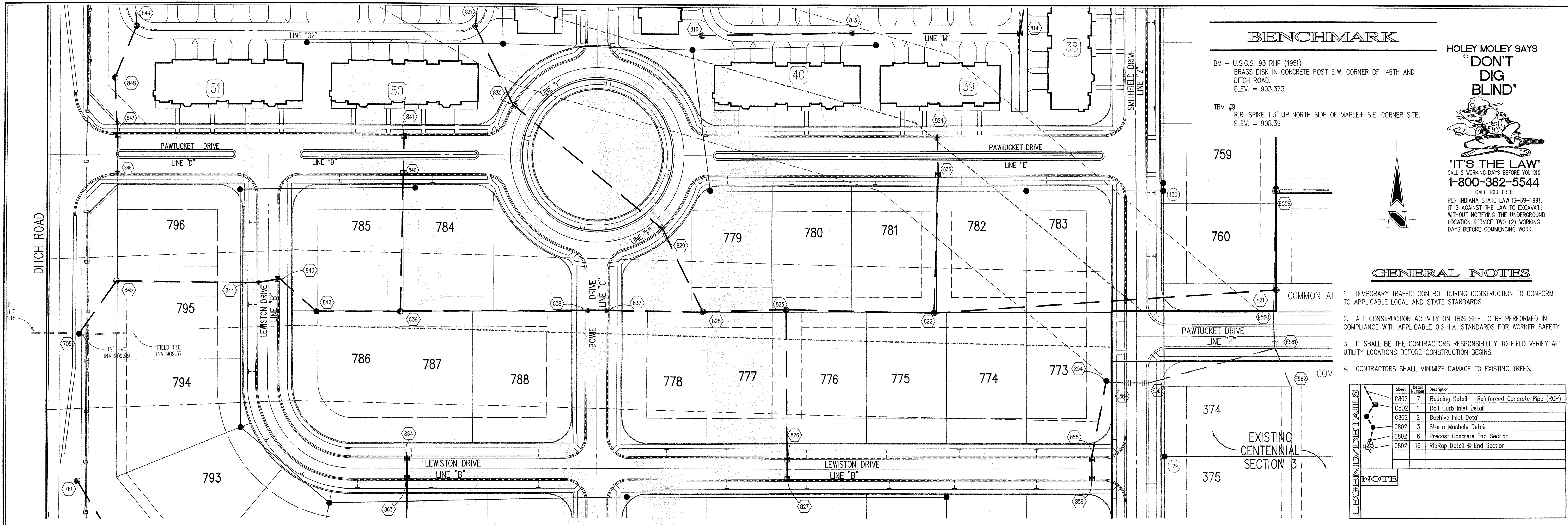
J. CORT CROSBY
 REGISTERED
 No. 920350
 STATE OF INDIANA
PROFESSIONAL ENGINEER
 DATE: 10/10/05
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CENTENNIAL SECTION 9
 WESTFIELD, INDIANA
ESTRIDGE DEVELOPMENT CO., INC.
 CARMEL, INDIANA

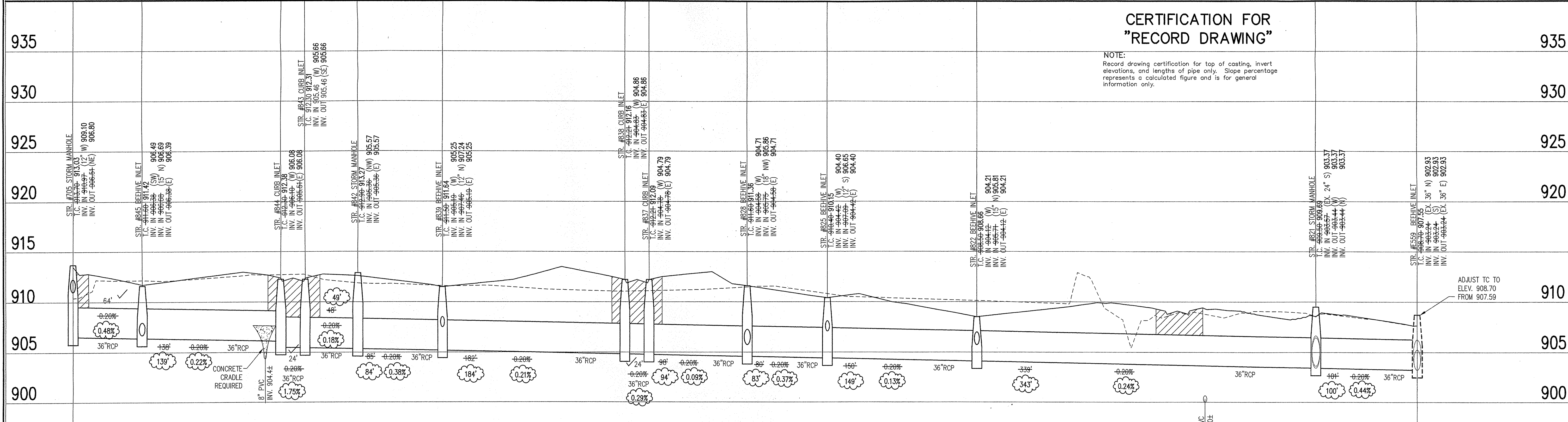
DATE: 06/18/03 PROJECT NO.: 753.030
 DRAWN BY: PRC CHECKED BY: JCC
 SHEET TITLE: DEVELOPMENT PLAN
 DRAWING FILES:
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 XREF: 030B5
 XREF: R:\753\028\DWG\028B5
 XREF: R:\753\027\DWG\027B5
 XREF: R:\753\003\DWG\003B5
 XREF: R:\753\027\DWG\753027T
 XREF: R:\753\005\DWG\005B5
 SHEET NO.:
C104

RECORD DRAWING



STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

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: 1-24-06
 Entered by: SLM

STORM SEWER RECORD DRAWING

DATE: 06/18/03 PROJECT NO.: 753.030
 DRAWN BY: DRP CHECKED BY: JCC
 SHEET TITLE: STORM SEWER PLAN

LEGEND
 Existing Grade New Grade Granular Backfill

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

DRAWING FILES:
 R:\753\030\DWGS\C601
 XREF: R:\753\030\DWGS\STORM
 XREF: R:\753\030\DWGS\03085
 XREF: R:\753\027\DWGS\02785
 XREF: R:\753\027\DWGS\753027T
 XREF: R:\753\028\DWGS\02885
 XREF: R:\753\030\DWGS\03085
 XREF: R:\753\030\DWGS\03085
 SHEET NO.: C601

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REVISIONS:
 1. REVISIONS TO BE MADE TO THIS DRAWING SHALL BE MADE BY THE DESIGNER.
 2. PER 11/17/04 STORM SEWER RECORD DRAWING.

REGISTERED PROFESSIONAL ENGINEER
 No. 920350
 STATE OF INDIANA
 DATE: 10/10/05

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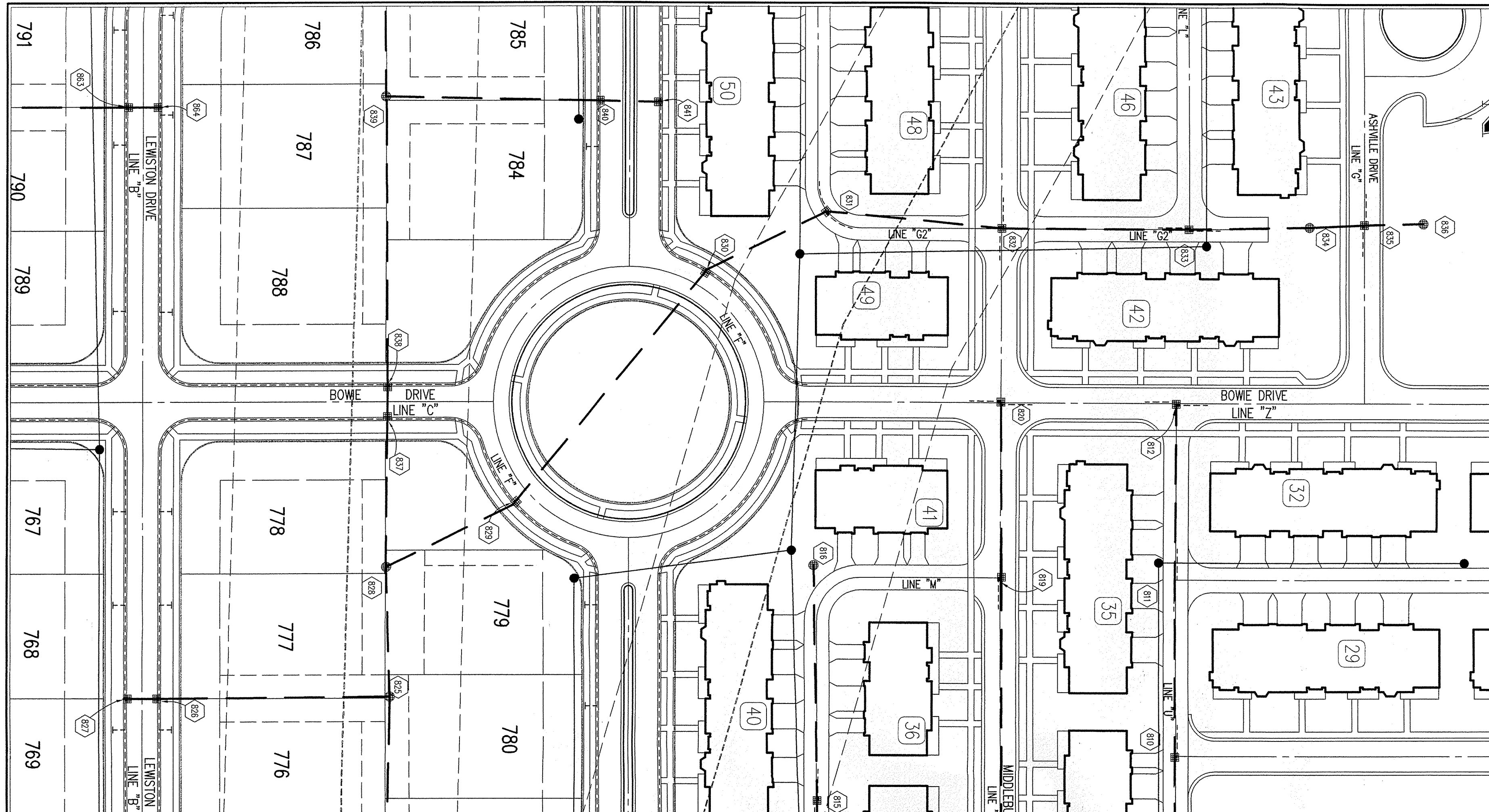
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CENTENNIAL SECTION 9

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 ESTRIDGE DEVELOPMENT CO., INC.
 CARMEL, INDIANA



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 PER INDIANA STATE LAW 15-59-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373
 TBM #9
 R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
 ELEV. = 908.39

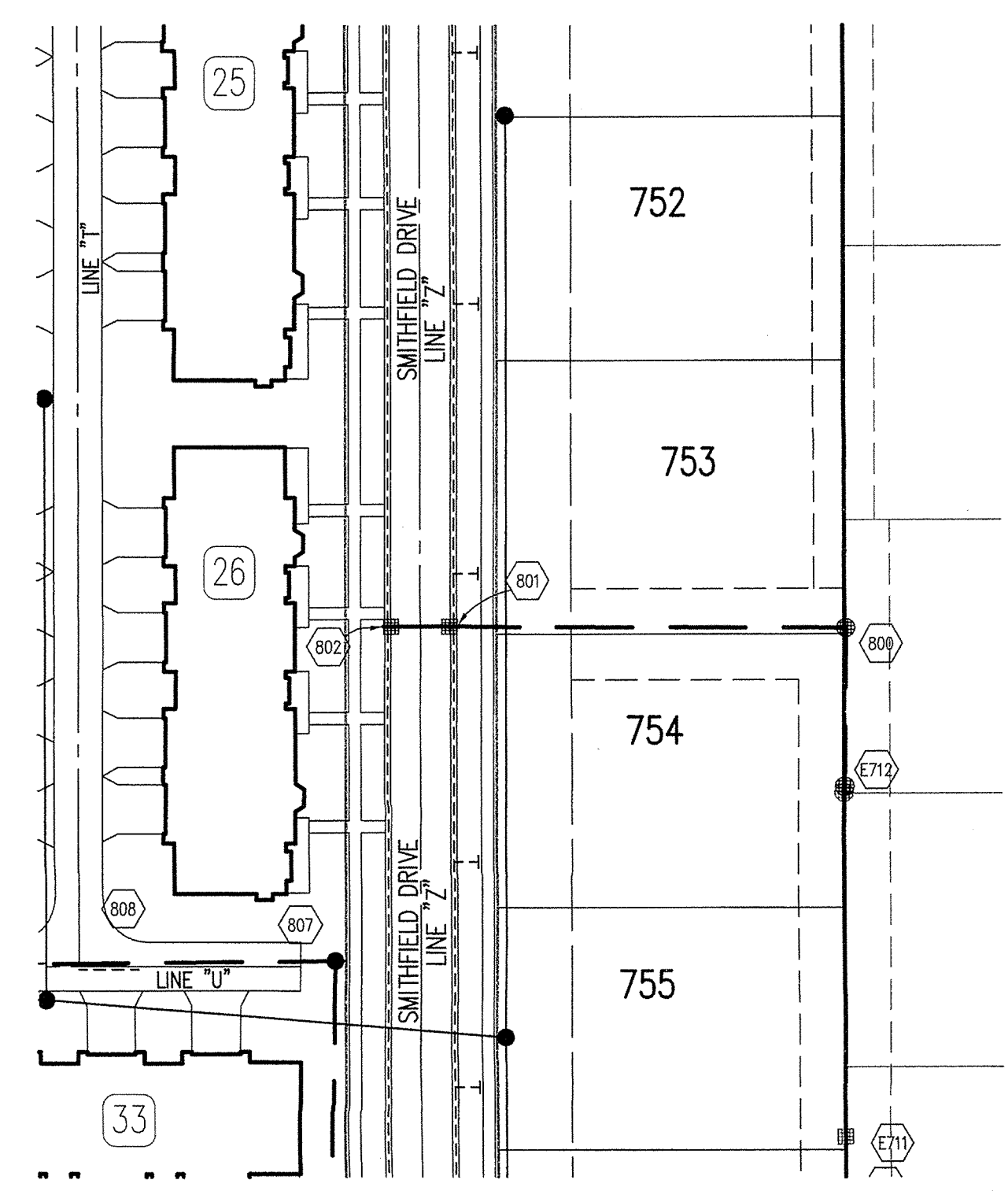
GENERAL NOTES

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LEGEND/DETAILS

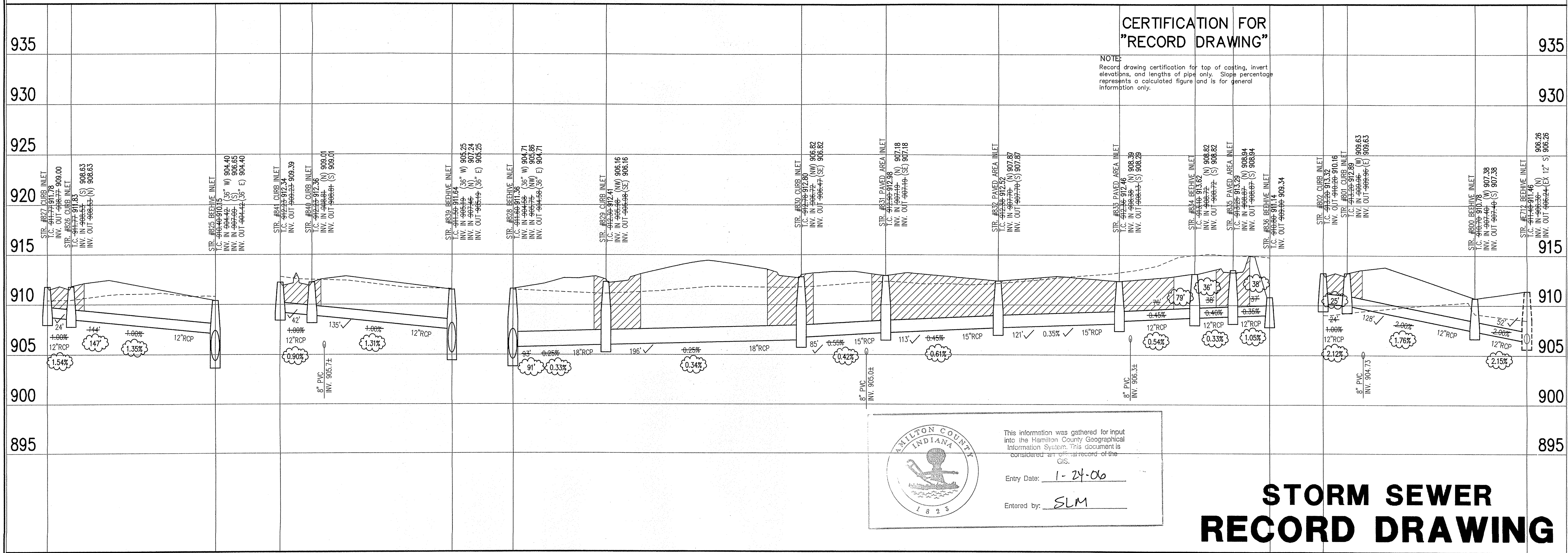
Sheet	Detail Number	Description
C802	7	Bedding Detail - Reinforced Concrete Pipe (RCP)
C802	1	Roll Curb Inlet Detail
C802	2	Beehive Inlet Detail
C802	3	Storm Manhole Detail
C802	6	Precast Concrete End Section
C802	19	RipRap Detail @ End Section

NOTE



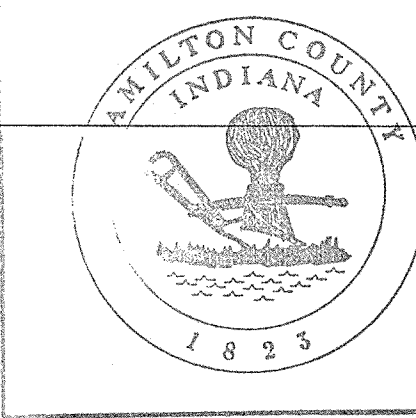
STORM SEWER PLAN

SCALE: 1"=50'



CERTIFICATION FOR "RECORD DRAWING"

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



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 Entered by: SLM


STORM SEWER RECORD DRAWING

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

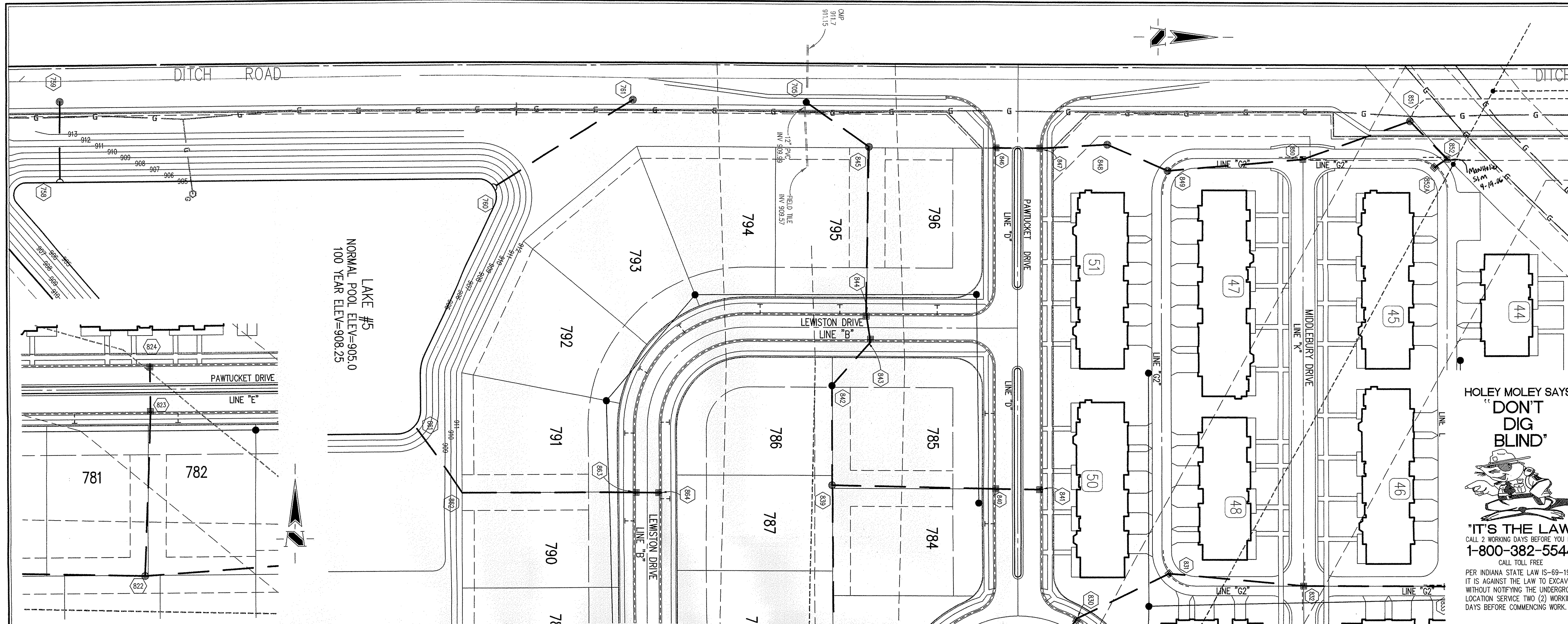
REVISIONS:
 1. 08/07/03 REVISION PERFORMED FOR ELEVATIONS, T.C.'S AND INVERTS. UPDATE PLAN VIEW.
 2. 08/07/03 REVISION PERFORMED FOR PLAN VIEW.
 3. 08/17/04 FOR STORM SEWER RECORD DRAWING.

J. CORT CROSS
 REGISTERED
 No. 920350
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

 DATE: 10/10/05
 THIS DRAWING AND THE IDEAS, DESIGNS AND CONCEPTS CONTAINED HEREIN ARE THE EXCLUSIVE INTELLECTUAL PROPERTY OF THE SCHNEIDER CORPORATION, AND ARE NOT TO BE USED OR REPRODUCED, IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF THE SCHNEIDER CORPORATION.
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CENTENNIAL SECTION 9
 WESTFIELD, INDIANA
ESTRIDGE DEVELOPMENT CO., INC.
 CARMEL, INDIANA

DATE: 06/18/03 PROJECT NO.: 753.030
 DRAWN BY: DRP CHECKED BY: JCC
 SHEET TITLE: STORM SEWER PLAN
 DRAWING FILES:
 R:\753\030\DWG\601
 XREF: R:\753\030\DWG\STORM
 XREF: R:\753\030\DWG\03065
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BENCHMARK

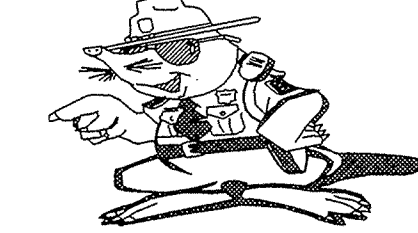
BM - U.S.C.S. 83 RHP (1951)
BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND
DITCH ROAD.
ELEV. = 903.373

TBM #9
R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE S.E. CORNER SITE.
ELEV. = 908.39

GENERAL NOTES

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HOLEY MOLEY SAYS
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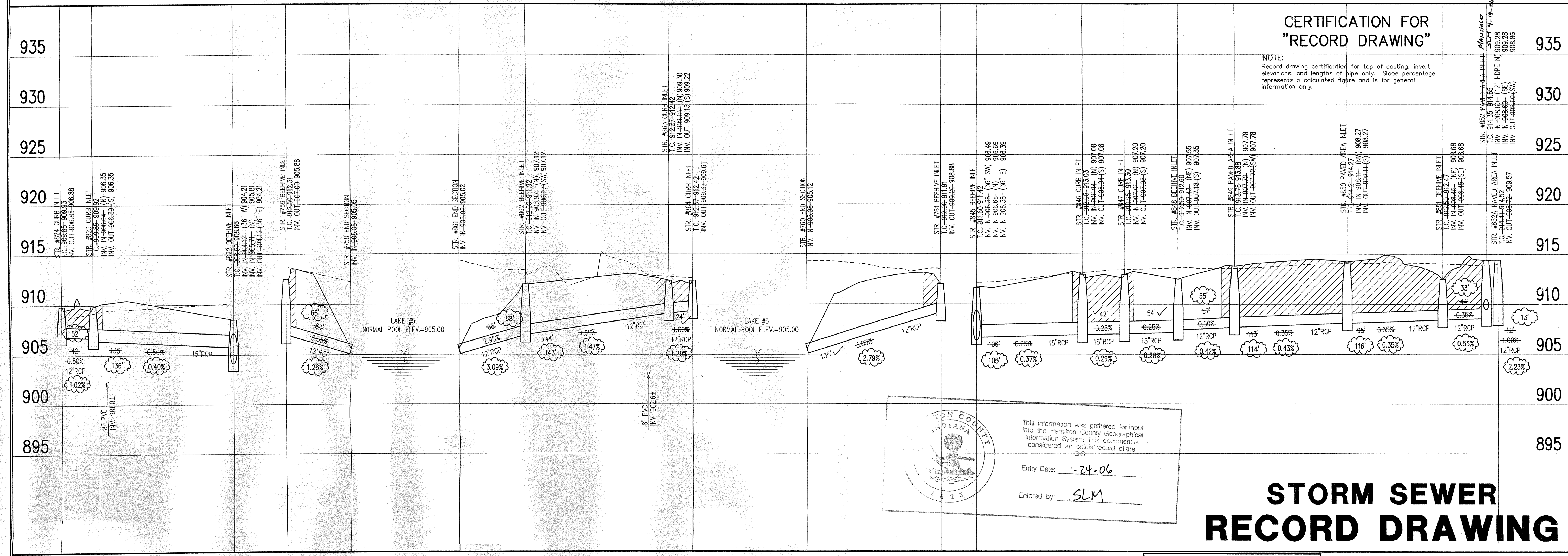
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Sheet	Detail	Description
C802	7	Bedding Detail - Reinforced Concrete Pipe (RCP)
C802	1	Roll Curb Inlet Detail
C802	2	Beehive Inlet Detail
C802	3	Storm Manhole Detail
C802	6	Precast Concrete End Section
C802	19	RipRap Detail @ End Section

STORM SEWER PLAN

SCALE: 1"=50'



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Entry Date: 1-24-06
Entered by: SLM

STORM SEWER RECORD DRAWING

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

REVISIONS:
1. DRP 07/03/03 REVISIONS: L.C.'S AND INVERTS, UPDATE PLAN VIEW, ADD SUBSURFACE DRAWS.
2. DRP 03/08/04 REVISIONS: L.C.'S AND INVERTS, UPDATE PLAN VIEW.
3. DRP 11/02/04 STORM SEWER RECORD DRAWING.

REGISTERED PROFESSIONAL ENGINEER
No. 920350
STATE OF INDIANA
DATE: 10/18/05

Schneider

THE SCHNEIDER CORPORATION
Historic Fort Harrison
8901 Otis Avenue
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Environmental Engineering
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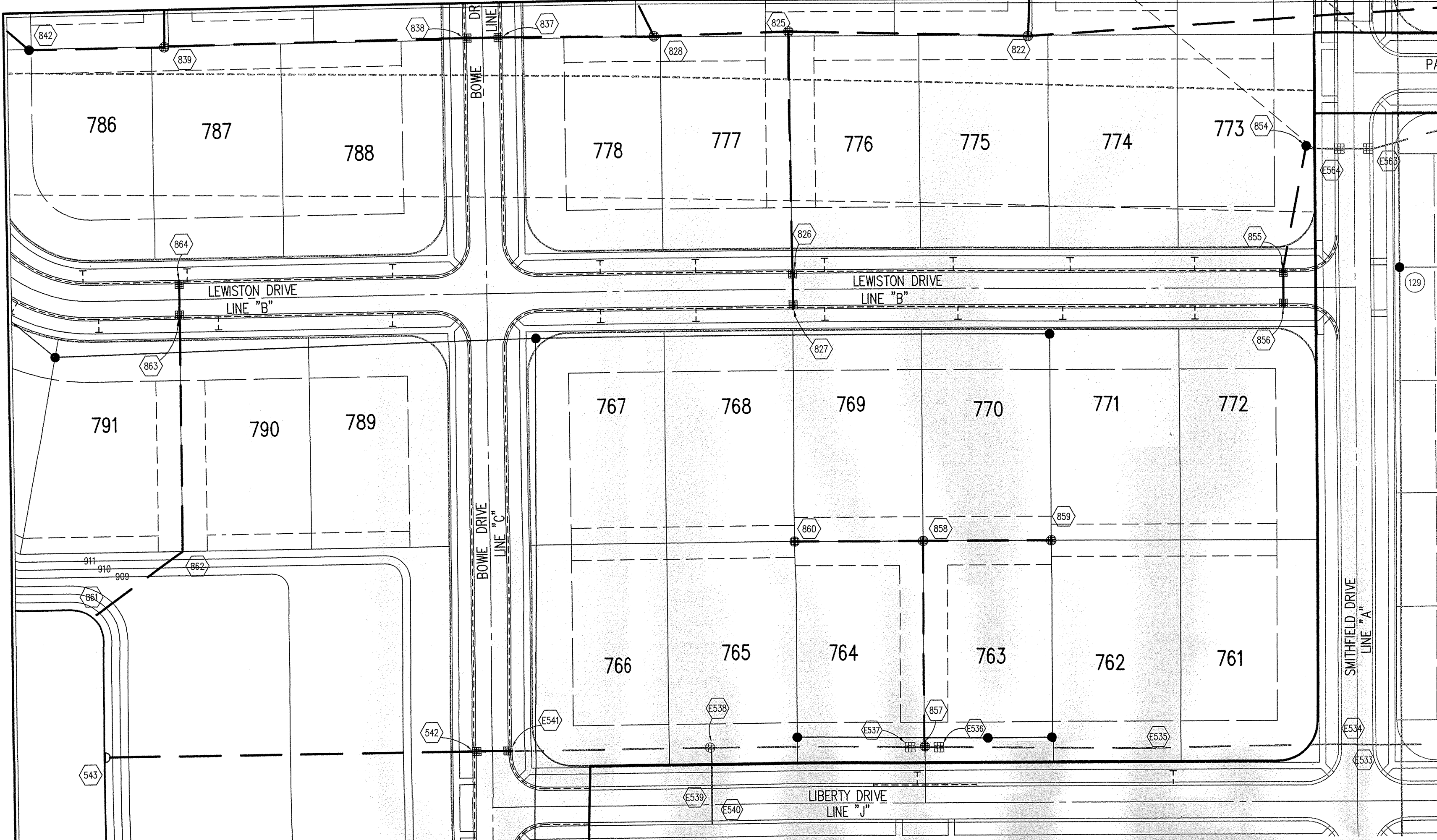
CENTENNIAL SECTION 9

WESTFIELD, INDIANA
ESTRIDGE DEVELOPMENT CO., INC.
CARMEL, INDIANA

DATE: 06/18/03 PROJECT NO.: 753.030
DRAWN BY: DRP CHECKED BY: JCC
SHEET TITLE: STORM SEWER PLAN

DRAWING FILES:
R: 753\030\DWG\0601
XREF: R: 753\030\DWG\0305 STORM
XREF: R: 753\030\DWG\0305
XREF: R: 753\027\DWG\02785
XREF: R: 753\027\DWG\7530271
XREF: R: 753\028\DWG\02885
XREF: R: 753\003\DWG\00385
XREF: R: 753\005\DWG\00585

SHEET NO.: **C603**



HOLEY MOLEY SAYS
"DON'T DIG BLIND"

"IT'S THE LAW"
 CALL 2 WORKING DAYS BEFORE YOU DIG
1-800-382-5544
 CALL TOLL FREE
 PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

LEGEND/DETAILS

Sheet	Detail Number	Description
C602	7	Bedding Detail - Reinforced Concrete Pipe (RCP)
C602	1	Roll Curb Inlet Detail
C602	2	Beehive Inlet Detail
C602	3	Storm Manhole Detail
C602	6	Precast Concrete End Section
C602	19	RipRap Detail @ End Section

NOTE

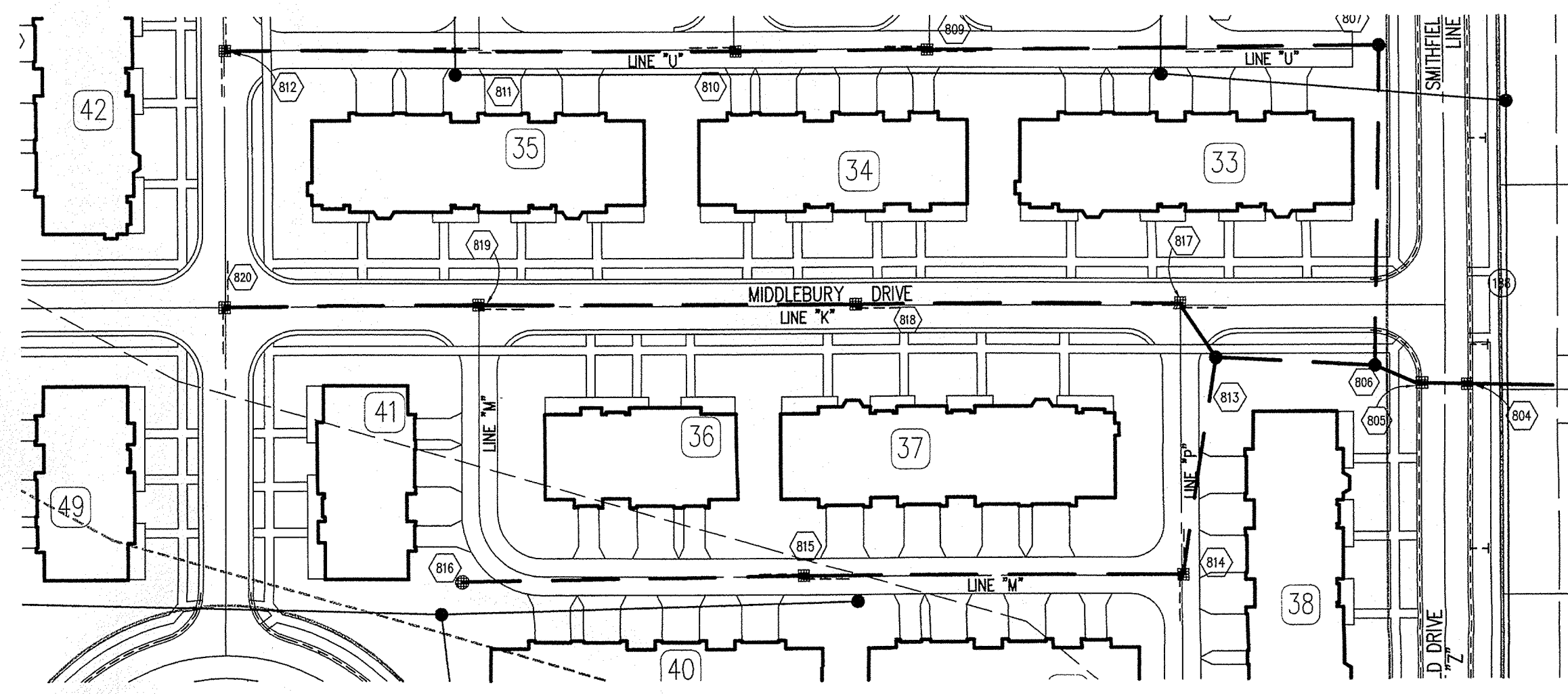
BENCHMARK

BM - U.S.G.S. 93 RHP (1951)
 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND DITCH ROAD.
 ELEV. = 903.373

TBM #9
 R.R. SPIKE 1.3' UP NORTH SIDE OF MAPLE+ S.E. CORNER SITE.
 ELEV. = 908.39

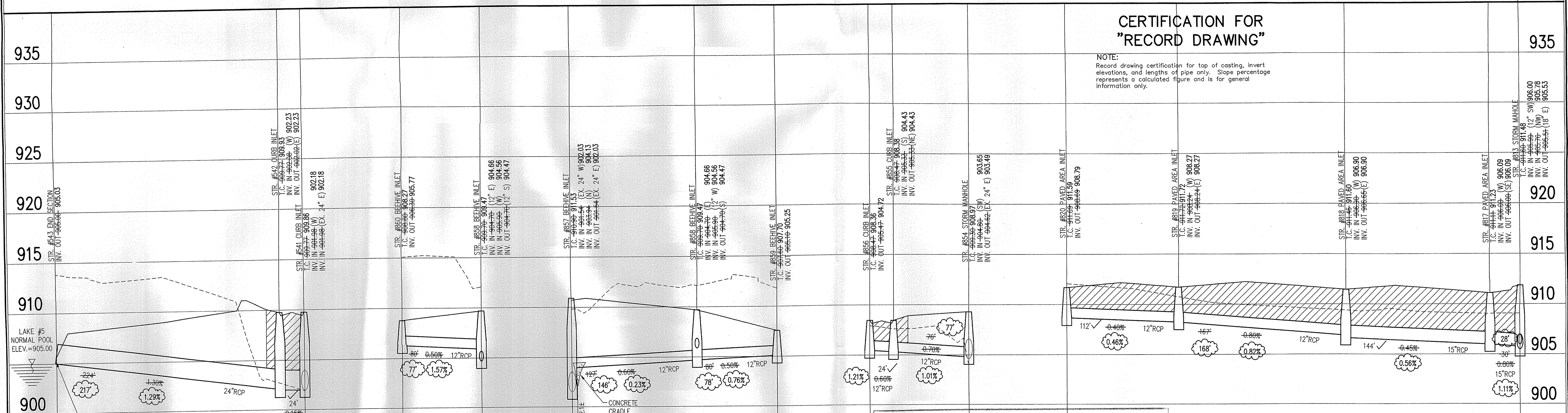
GENERAL NOTES

- 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.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
- CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.



STORM SEWER PLAN

SCALE: 1"=50'



REVISIONS

1. DWP 07/03/03 ADDED SUBSURFACE DRAINS
2. DWP 10/29/03 ADDED SANITARY SEWER AT THE FRONT OF LOTS 762 & 764. ADD SANITARY SEWER CROSSING NEXT TO STORM MANHOLE #37.
3. DWP 02/08/04 STORM SEWER RECORD DRAWING.
4. PRC 11/12/04 STORM SEWER RECORD DRAWING.

J. CROSBY REGISTERED
 No. **920350**
 STATE OF INDIANA
 PROFESSIONAL ENGINEER

Alfred Crosby
 DATE: 10/18/06

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CENTENNIAL SECTION 9

WESTFIELD, INDIANA

ESTRIDGE DEVELOPMENT CO., INC.
 CARMEL, INDIANA

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Entry Date: 1-24-06
 Entered by: SLM

STORM SEWER RECORD DRAWING

STORM SEWER PROFILE

LEGEND

	Existing Grade
	New Grade
	Granular Backfill

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

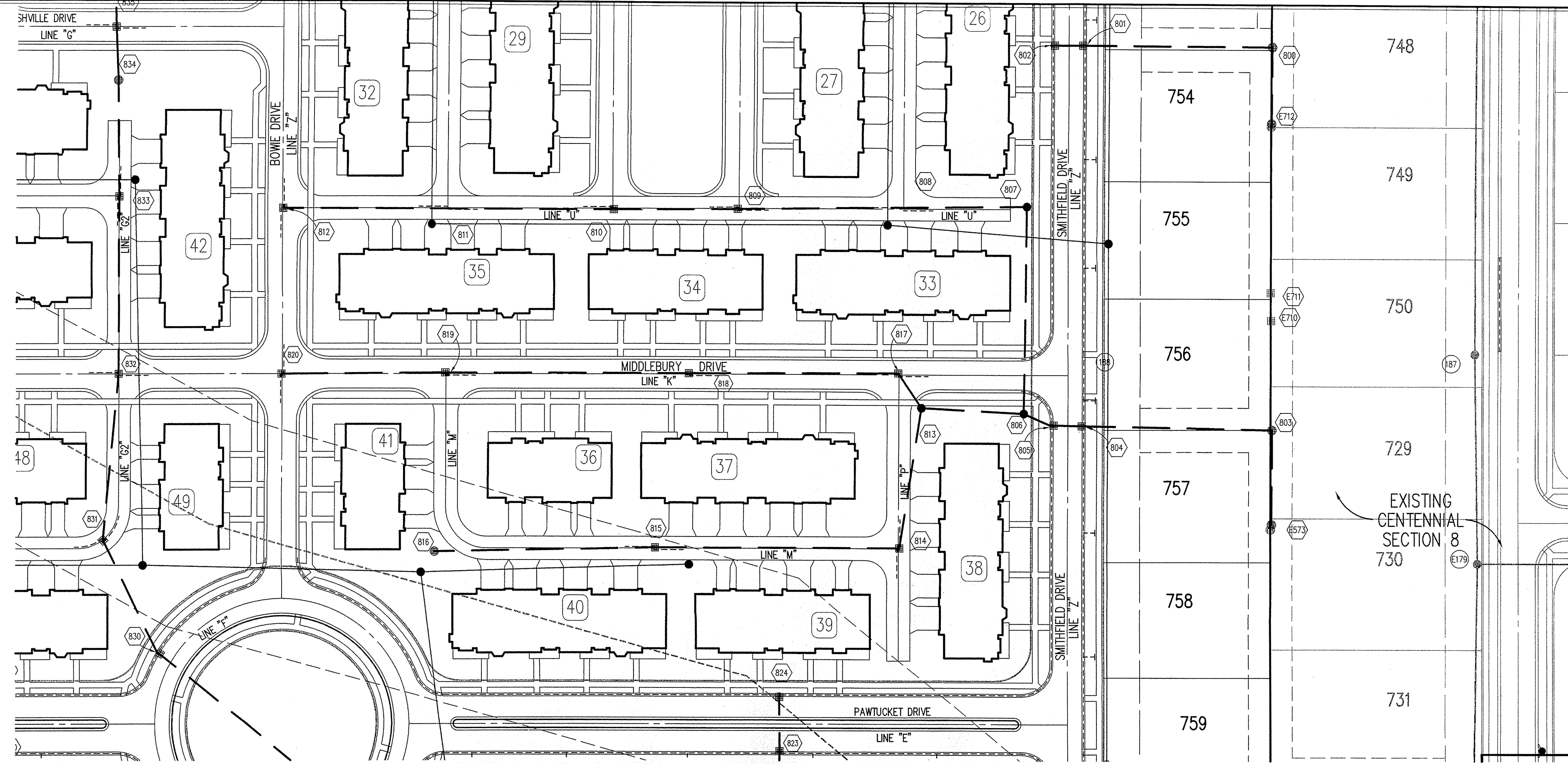
DATE: 06/18/03 PROJECT NO.: 753.030

DRAWN BY: DRP CHECKED BY: JCC

SHEET TITLE: STORM SEWER PLAN

DRAWING FILES:
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 XREF: R:\753\030\DWG\S\STORM
 XREF: R:\753\030\DWG\S\030B5
 XREF: R:\753\027\DWG\S\027B5
 XREF: R:\753\027\DWG\S\753027T
 XREF: R:\753\028\DWG\S\028B5
 XREF: R:\753\003\DWG\S\003B5
 XREF: R:\753\005\DWG\S\005B5

SHEET NO.: **C604**



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 BRASS DISK IN CONCRETE POST S.W. CORNER OF 146TH AND
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 ELEV. = 903.373

TBM #9
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 ELEV. = 908.39

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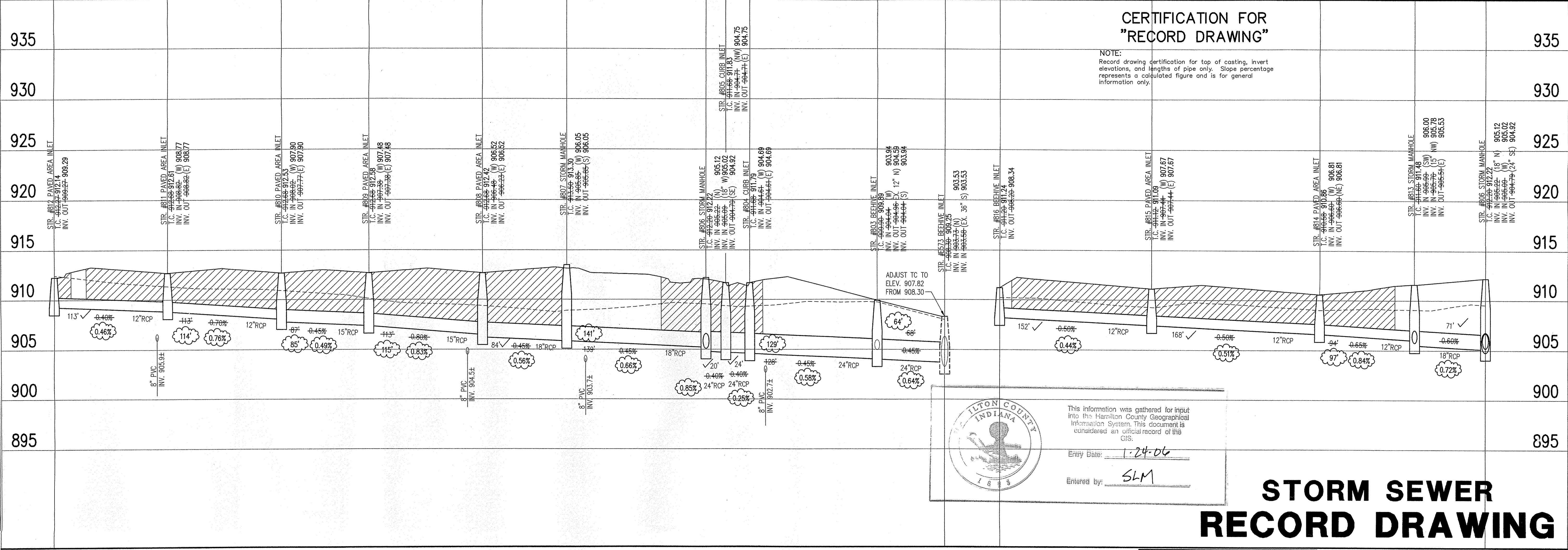
LEGEND/DETAILS

Sheet	Detail Number	Description
C802	7	Bedding Detail - Reinforced Concrete Pipe (RCP)
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C802	2	Beehive Inlet Detail
C802	3	Storm Manhole Detail
C802	6	Precast Concrete End Section
C802	19	RipRap Detail @ End Section

NOTE

STORM SEWER PLAN

SCALE: 1"=50'



CURT CROSBY
 REGISTERED
 No. 920350
 STATE OF INDIANA
 PROFESSIONAL ENGINEER
 DATE: 10/18/05
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 CARMEL, INDIANA

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 R:\753\030\DWG\0601
 XREF: R:\753\030\DWG\STORM
 XREF: R:\753\030\DWG\0305
 XREF: R:\753\027\DWG\02785
 XREF: R:\753\027\DWG\753027T
 XREF: R:\753\028\DWG\02885
 XREF: R:\753\003\DWG\00385
 XREF: R:\753\005\DWG\00585
 SHEET NO.: C605

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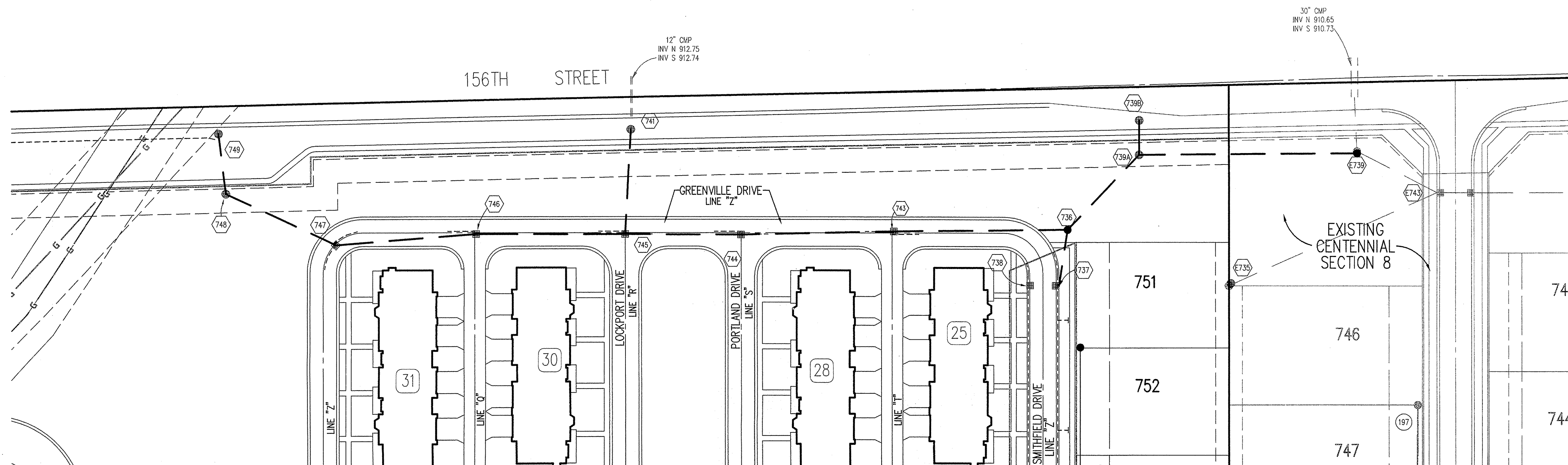
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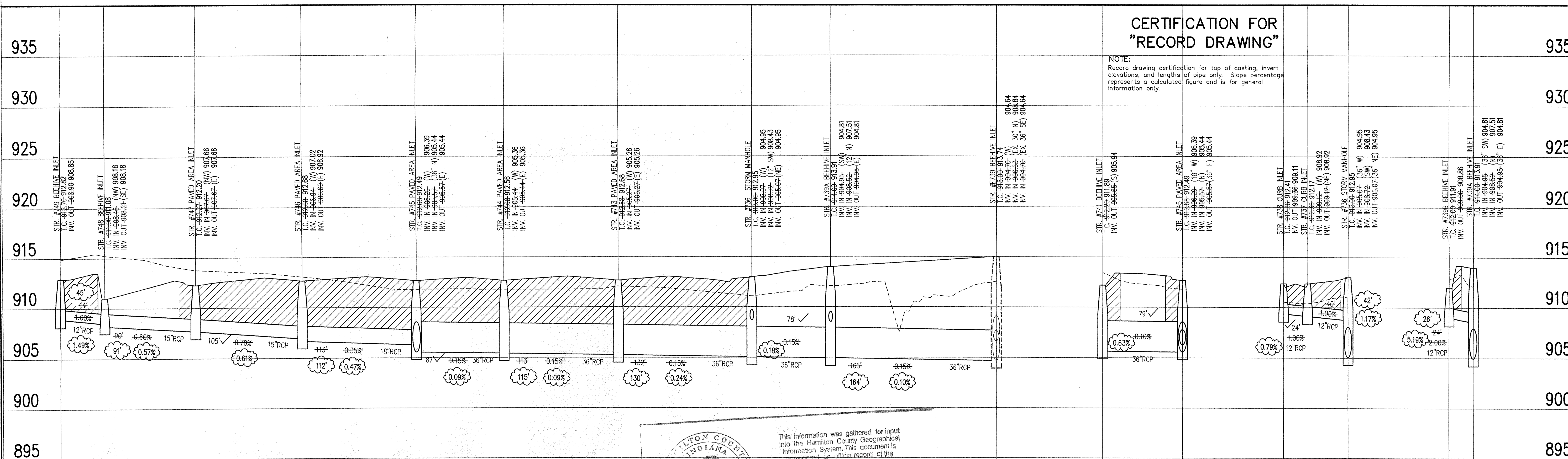
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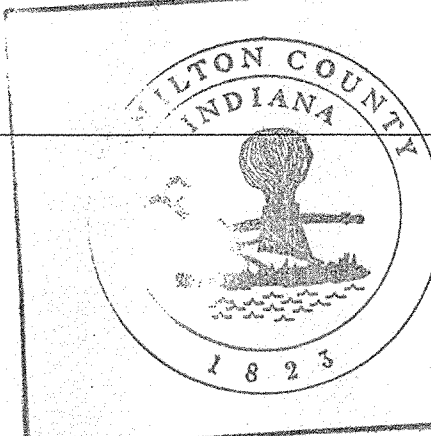
STORM SEWER PLAN

SCALE: 1"=50'



CERTIFICATION FOR "RECORD DRAWING"

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



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STORM SEWER RECORD DRAWING

LEGEND		
	Existing Grade	
	New Grade	
	Granular Backfill	

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

STORM SEWER PROFILE

REVISIONS: 01/03/05 ADED SUBSURFACE DRAINS
 2, PRC 11/12/04 STORM SEWER RECORD DRAWING.

REGISTERED PROFESSIONAL ENGINEER
 No. 920350
 STATE OF INDIANA
 DATE: 10/18/05
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SHEET NO.: **C606**

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