



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*

October 31, 2002

To: Hamilton County Drainage Board

Re: J. R. Collins #1 Drain

Attached is a petition and plans for the proposed relocation of the J. R. Collins #1 Drain. The relocation is being proposed by CMC Properties. The proposal is to intercept the main drain at the north property line at Sta. 8+00 and re-route the drain through the detention ponds and new storm sewer and outlet at Str. 727 of the relocation described in my report dated September 12, 1988 for Hamilton Crossing West, Phase II. Arm 2 shall be intercepted at the west right-of-way for U. S. 31 which is Sta. 12+40 and shall be re-routed in the same manner.

The line will consist of the following:

18" RCP    150 ft                      24" RCP    607 ft                      Open Ditch    510 ft

The open ditch listed above is that portion of the system which runs through the detention ponds located in the north east corner of the site and along the south edge of the site. The distance is a straight line distance between Structures 718 and 719, 701 and 710 and 710 and 721 as shown on the attached plan.

The total length of new system shall be 1,117 feet. The 1,480 feet of the original 1890 drain between Sta. 8 and 15 on the main drain and Sta. 12+40 and Sta. 13 of Arm 2 shall be vacated. This proposal will remove 363 feet to the drains total length.

The cost of the relocation is to be paid by CMC Properties. Because the project is to be paid by the petitioner and is within the boundaries of the petitioners property the project falls under the requirements as set out in IC 36-9-27-52.5. Therefore, a hearing is not required for the petition.

The petitioner has provided the letter of credit as follows:

Name of Bonding Co./Bank: U S Bank

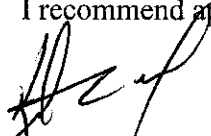
Bond/LC Number: SLCCCIN00479

Bond/LC Date: October 16, 2002

Bond/LC Amount: \$45,000.00

Bond Term: October 18, 2003

I recommend approval by the Board at this time.



Kenton C. Ward  
Hamilton County Surveyor

KCW/lm

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: CMC BUSINESS PARK  
13295 MERIDIAN CORNERS BLVD.

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.

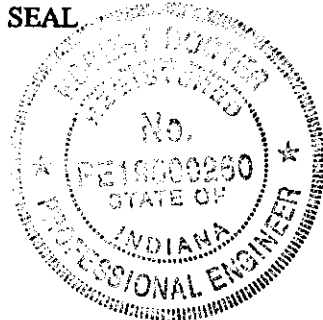
Signature: Robert Doster Date: 11/18/01

Type or Print Name: ROBERT DOSTER

Business Address: Schneider Corp

8901 OTIS AVE, INDIANAPOLIS, IN 46216

Telephone Number: 317-826-7276



INDIANA REGISTRATION NUMBER

PE 9500260



SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, Surveyor*

Phone (317) 776-8495

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One Hamilton County Square

Noblesville, Indiana 46060-2230

**To: Hamilton County Drainage Board**

**September 13, 2005**

**Re: JR Collins #88 Drain: CMC Properties Relocation**

Attached are as-builts, certificate of completion & compliance, and other information for CMC Properties Relocation. 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 31, 2002. The report was approved by the Board at the hearing held November 12, 2002. (See Drainage Board Minutes Book 6, Pages 481-2)

The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
720-719	21	18	RCP	865.43	865.58	-0.71	-5
718-712	84	24	RCP	865.06	864.63	0.51	-1
712-711	172	24	RCP	864.63	864.33	0.17	
711-710	140	24	RCP	864.38	863.48	0.64	-4
722-721	142	24	RCP	864.03	863.56	0.33	-27
701-700	119	18	RCP	863.43	863.23	0.08	-5
700-EX.	40	24	RCP	863.23	863.52	-0.78	3
<b>RCP Pipe Totals:</b>						<b>Other Drain:</b>	
	18	140				Open Ditch	510
	24	578				<b>Total:</b>	<b>510</b>
<b>Total:</b>	<b>718</b>						

The length of the drain due to the changes described above is now **1228 feet**.

The non-enforcement was approved by the Board at its meeting on November 12, 2002 and recorded under instrument #200400058877.

The following sureties were guaranteed by US Bank and released by the Board on its September 12, 2005 meeting.

**Bond-LC No: SLCCIN00479**

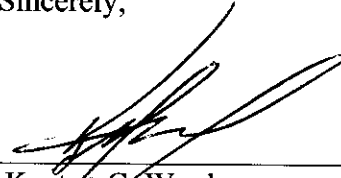
**Insured For: Storm Sewers**

**Amount: \$45,000**

**Issue Date:** September 12, 2005

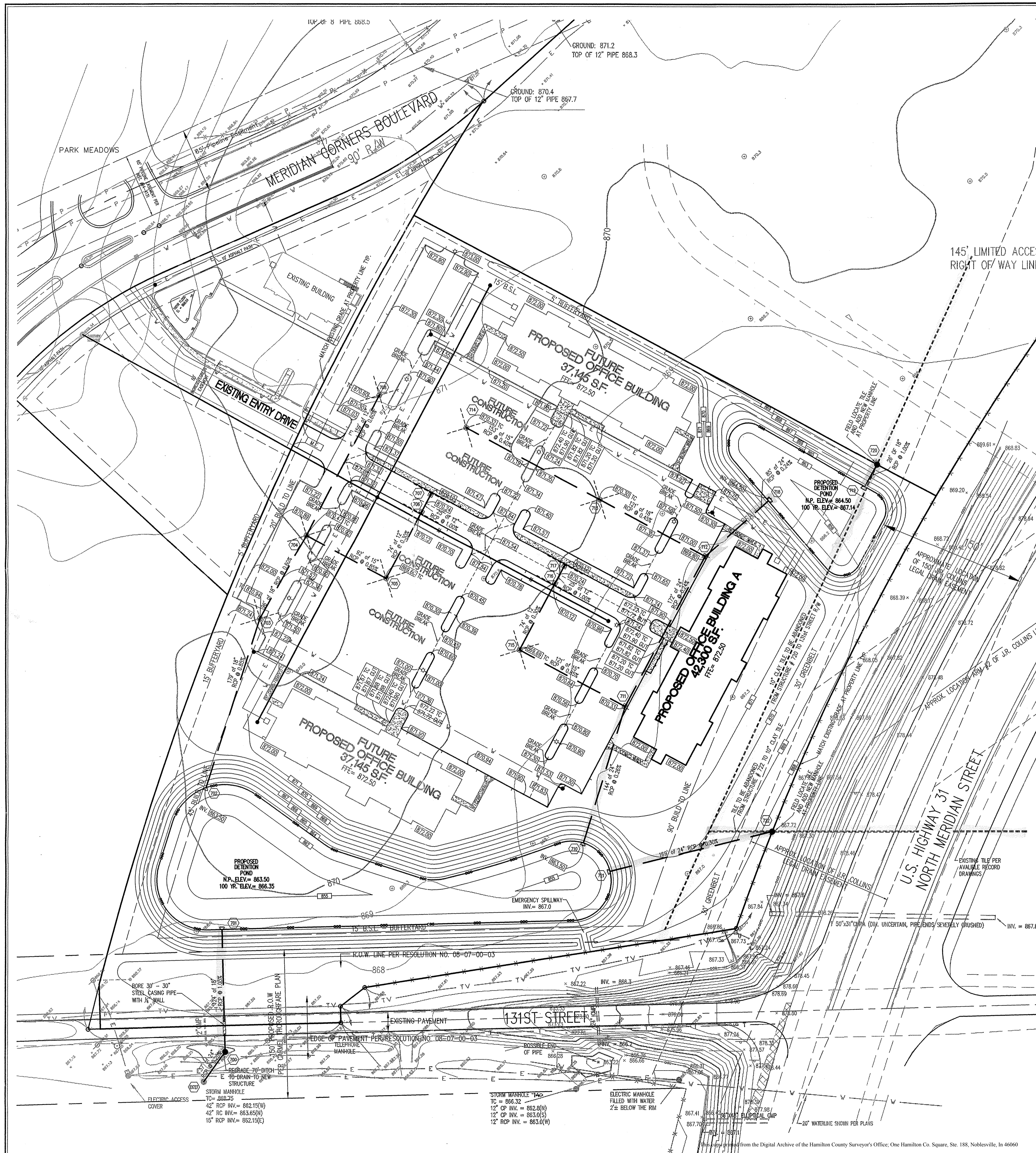
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kenton C. Ward', written over a horizontal line.

Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm



### GENERAL NOTES

- ALL GRADES AT BOUNDARY SHALL MEET EXISTING GRADES.
- IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO HIS PHASE OF WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATIONS FOR EACH UTILITY BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED.
- STANDARD SPECIFICATIONS FOR THE CITY OF CARMEL, INDIANA SHALL APPLY FOR ALL SANITARY SEWER AND STORM 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 REINFORCED CONCRETE 4" THICK.
- EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SQUARES 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.
- REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED BUILDING PADS. ALL FIELD TILES INTERCEPTED TO BE PERPETUATED INTO STORM SEWER SYSTEM OR LAKE. THE SUBCONTRACTOR SHALL NOTIFY IN WRITING THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED.
- ALL FILL AREAS SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY (ASTM D-1557).
- ALL PROPOSED GRADES DEPICTED WITHIN PAVED AREAS ARE TO REPRESENT THE PAVEMENT GRADE. THE TOP OF CURB IS TO BE 0.5 FEET HIGHER UNLESS OTHERWISE NOTED.
- ALL A.D.A. PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 1:50 (2%) IN ALL DIRECTIONS TO COMPLY WITH A.D.A. REQUIREMENTS.
- ALL SIDEWALK CROSS SLOPES SHALL NOT EXCEED 1:50 (2%).

### UTILITY CONTACTS

**Gas**  
Vectren  
15900 Allisonville Road  
Noblesville, Indiana 46060  
(317)773-0430  
size and nature of services.

**Water**  
Indianapolis Water Company  
1220 Wideny Business Center  
Indianapolis, Indiana 46202  
(317)930-1501 ext.222

**Telephone**  
Ameritech  
220 North Meridian Street  
Indianapolis, Indiana 46204  
265-4878 or 1-800-382-5544 (317) 571-2441

**Cable Television**  
Jones Interco, Inc.  
516 East Carmel Drive  
Carmel, Indiana 46032  
(317)844-8277

**Electric**  
Public Service Indiana - Gentry  
P.O. Box 312  
Noblesville, Indiana 46060  
1-800-521-2232

**Sanitary Sewer**  
City of Carmel  
City Hall, 1 Civic Square  
Carmel, Indiana 46032  
(317) 571-2441

**Storm Sewer**  
City of Carmel  
City Hall, 1 Civic Square  
Carmel, Indiana 46032  
(317) 571-2441

**Streets**  
City of Carmel  
City Hall, 1 Civic Square  
Carmel, Indiana 46032  
(317) 571-2441

**Utility Hotline:** Within Indiana 1-800-382-5544 outside Indiana 1-800-428-5200

**Note**  
The nature, size and location of utilities are per plans and locations provided by the respective utility companies. The above list constitutes some, if not all, of the utility companies which may provide service in the area of and adjacent to the subject project, based upon the information available through such plans and locations, and any incidental visual inspection. All utility companies should be notified prior to any excavation for field location of services and verification of size and nature of services.

### STORM STRUCTURE SCHEDULE:

(NOTE: TOP OF CASTING = TOP OF CURB FOR CURB INLET)

STR.#	TO STR.#	STRUCTURE TYPE	CASTING	TOP OF CASTING	U.S. INV.	D.S. INV.	DIA.	LENGTH	TYPE	NOTES
718	712	ES	-----	N/A	864.50	864.30	24"	85'	RCP	END SEC. WITH RIP-RAP R'OD.
714	713	A	R-3472	870.32	867.12	866.51	15"	153'	RCP	
713	712	E	R-3472	870.30	866.26	865.71	18"	121'	RCP	
712	711	E	R-3286	870.30	864.30	863.88	24"	172'	RCP	
717	716	A	R-3286	870.62	867.42	867.17	12"	25'	RCP	
716	715	A	R-3286	870.62	867.17	866.95	12"	74'	RCP	
715	711	E	R-3472	869.69	866.70	865.67	15"	121'	RCP	
711	710	48" MH	R-3286	870.83	863.88	863.50	24"	144'	RCP	END SEC. R'OD.
707	706	A	R-3286	870.62	867.42	867.17	12"	25'	RCP	
706	705	A	R-3286	870.62	867.17	866.95	12"	74'	RCP	
705	704	E	R-3472	869.60	866.70	865.92	15"	92'	RCP	
708	704	A	R-3472	870.60	867.40	866.45	12"	159'	RCP	
704	703	48" MH	R-3472	870.47	865.67	865.09	18"	96'	RCP	
703	702	48" MH	R-3472	870.94	865.09	863.57	18"	179'	RCP	END SEC. WITH RIP-RAP R'OD.
701	700	ES	-----	N/A	863.50	862.23	18"	124'	RCP	END SEC. WITH RIP-RAP R'OD.
700	EX727	48" MH	R-1077-A	863.00	862.23	862.15	24"	37'	RCP	
720	719	48" MH	R-1077-A	869.50	864.76*	864.50	18"	26'	RCP	END SEC. WITH RIP-RAP R'OD.
722	721	48" MH	R-1077-A	867.90	864.00*	863.50	24"	169'	RCP	END SEC. WITH RIP-RAP R'OD.

\* MATCH EXISTING UPSTREAM CULVERT. NOTIFY ENGINEER OF ACTUAL GRADE AT CONNECTION POINT.

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.

ASSUMED NORTH  
SCALE: 1"=50'

### LEGEND

- Existing Storm Sewer
- New Storm Sewer
- Storm Structure Number
- Subsurface Drain (SSD)
- Existing Sanitary Sewer
- New Sanitary Sewer (Laterals are shown for reference only. See Sanitary Plan & Profiles for Locations)
- Sanitary Structure Number
- Existing Contour
- Existing Elevation
- Proposed Finish Grades
- Swale Grade
- Swale Flowing (E)
- Flow Arrow
- Utility & Drainage Esmt.
- Building Setback Line
- Existing Water Main
- New Water Main
- Existing Fire Hydrant
- New Fire Hydrant
- Existing Water Valve
- New Water Valve
- New Gas Main
- New Electric Line
- New Telephone Line
- Existing Utility Pole
- Existing Trees
- Existing Fence

### BENCHMARKS

**BM HAM 62 1989**  
IN HAMILTON COUNTY, CARMEL QUADRANGLE, SECTION 27, T8N, R3E, LOCATED AT THE WEST 131ST STREET BRIDGE OVER WILLIAMS CREEK. SET IN THE TOP OF THE NORTHEAST CONCRETE WING WALL OF THE BRIDGE, 13.5 FEET NORTH OF THE CENTERLINE OF WEST 131ST STREET, 1.1 FEET SOUTHWEST FROM THE NORTHEAST END OF WING WALL, WITH THE ROAD WAY, A DEPARTMENT OF NATURAL RESOURCES CONTROL STATION TABLE STAMPED "HAM 62 1989" ELEVATION = 861.783 (NGVD 1929)

**BM HAM 60 1989**  
IN HAMILTON COUNTY, CARMEL QUADRANGLE, SECTION 23, T8N, R3E, LOCATED AT THE WEST 130TH BRIDGE OVER WILLIAMS CREEK. SET IN THE TOP OF THE NORTHEAST CONCRETE WINGWALL OF THE BRIDGE, 14.4 FEET NORTH FROM THE CENTERLINE OF WEST 130TH STREET, 0.6 FEET SOUTHWEST FROM THE NORTHWEST FACE OF THE WINGWALL, 0.7 FEET BELOW THE ROADWAY, A DEPARTMENT OF NATURAL RESOURCES CONTROL STATION TABLE STAMPED "HAM 30 1989" ELEVATION = 870.510 (NGVD 1929)

**BM "C"** ON THE EAST BONNET BOLT OF HYDRANT AT THE SOUTHWEST CORNER OF 131 STREET AND PENNSYLVANIA STREET. ELEVATION = 875.67

REGISTRATION:

**ROBERT DOST**  
REGISTERED PROFESSIONAL ENGINEER  
No. PE19500260  
STATE OF INDIANA

DATE: 9-3-02

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**Schneider**

THE SCHNEIDER CORPORATION  
Historic Fort Harrison  
8901 Otis Avenue  
Indianapolis, IN 46216-1037  
Telephone: 317.826.7100  
Fax: 317.826.7200  
www.schneidercorp.com

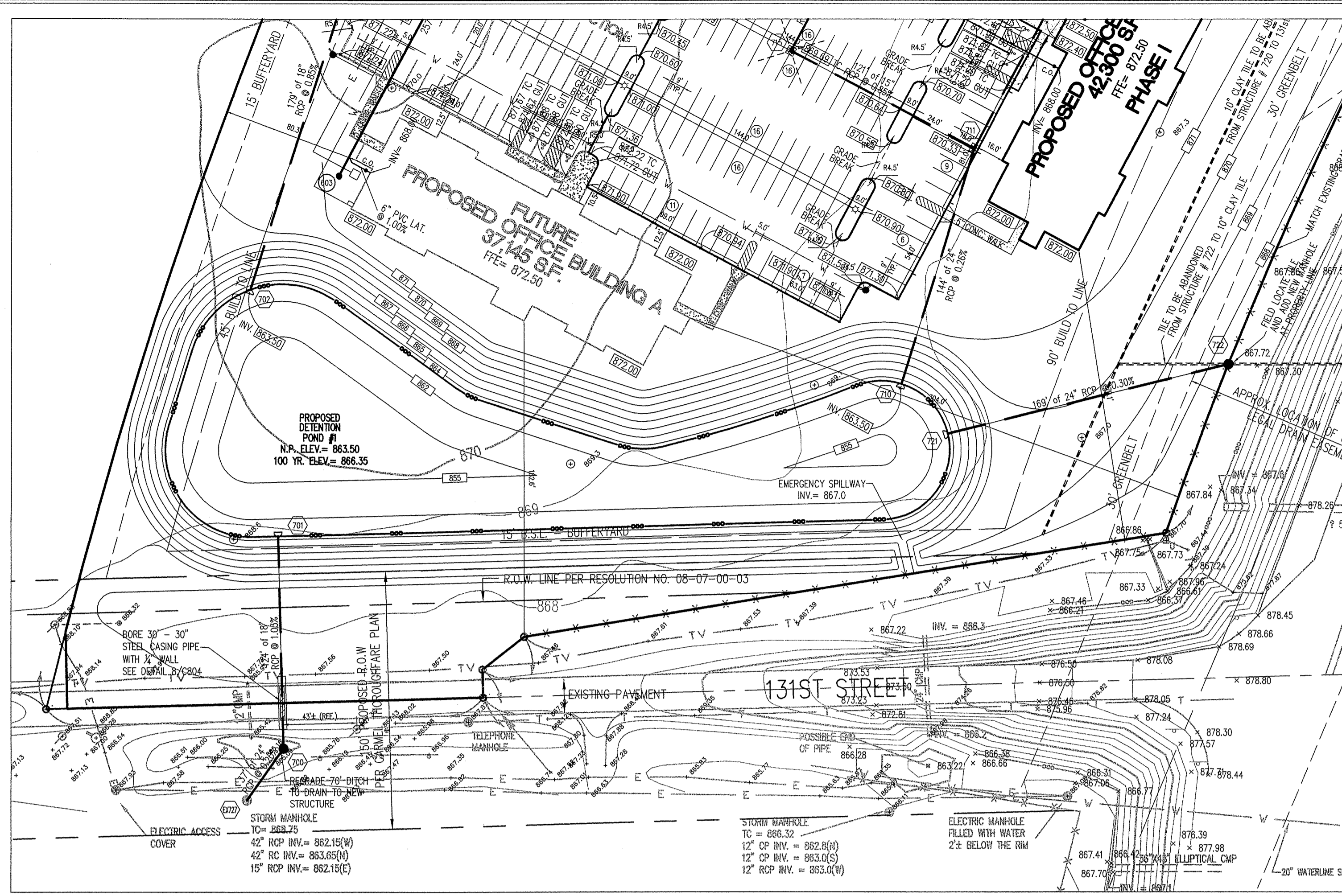
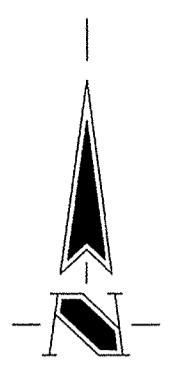
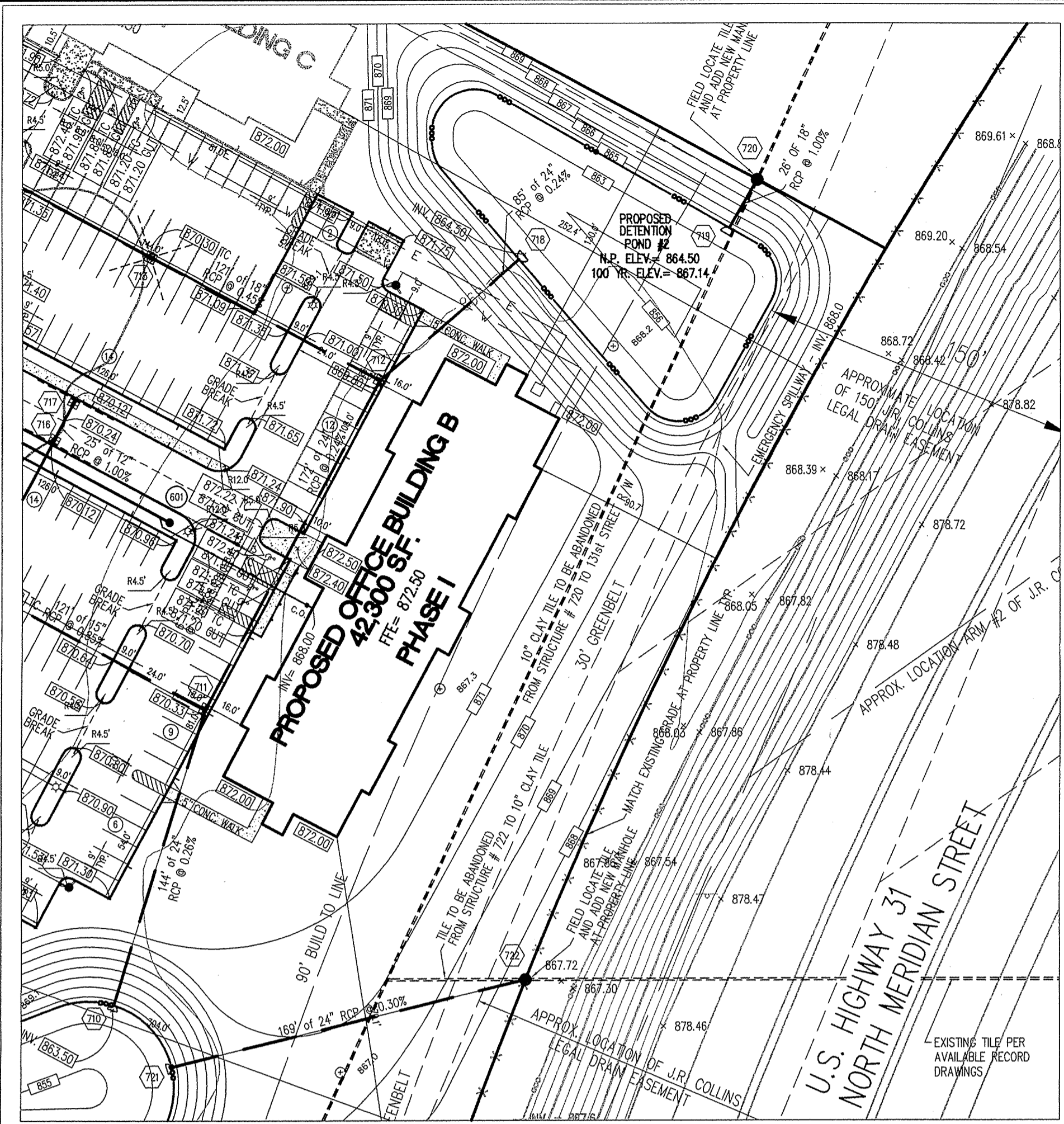
Architecture  
Civil Engineering  
Environmental Engineering  
Geotechnical Services  
GIS \* LIS  
Home Builder Services  
Interior Design  
Land Surveying  
Landscape Architecture  
Transportation Engineering

**CMC PROPERTIES**  
**BUSINESS PARK**  
HAMILTON COUNTY, INDIANA

CMC Properties  
10925 Reed Hartman Highway, Suite 200, Cincinnati, OH 45242

DATE: 09/03/02 PROJECT NO.: 3357.003  
DRAWN BY: CWD CHECKED BY: JCZ  
SHEET TITLE: GRADING & DRAINAGE PLAN  
DRAWING FILES:  
S:\3357\003\dwg\C103.dwg  
XREF: S:\3357\003\dwg\001.dwg\001bs.dwg  
XREF: S:\3357\003\dwg\002bs-rev.dwg  
XREF: S:\3357\003\dwg\003bs-11.dwg  
XREF: S:\3357\003\dwg\003bs-12.dwg

SHEET NO.: C103



**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.
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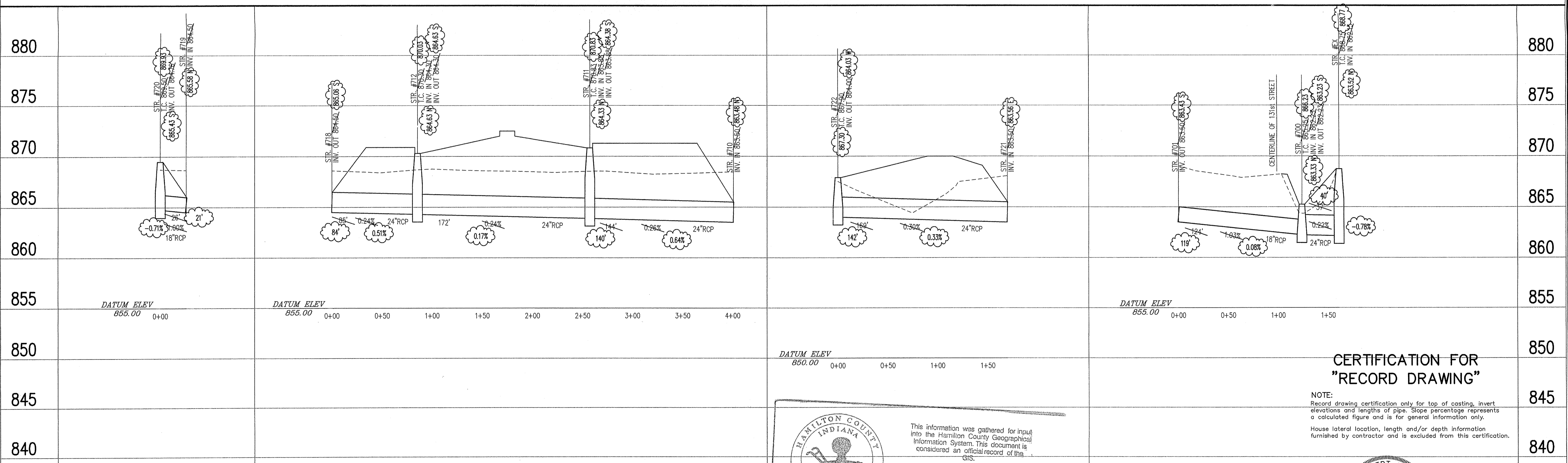
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LOCATION SERVICE TWO (2) WORKING  
DAYS BEFORE COMMENCING WORK.

**LEGEND/DETAILS**

Sheet	Detail	Description
CB03	6.12	Bedding Detail - Reinforced Concrete Pipe (RCP)
CB03	4.5	Roll Curb Inlet Detail
CB03	3.9	Beehive Inlet Detail
CB03	1.2	Storm Manhole Detail
CB03	1.3	Precast Concrete End Section
C107		RipRap Detail @ End Section

**STORM SEWER PLAN**

SCALE: 1"=50'



**STORM SEWER  
RECORD DRAWING**

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: 8-24-05  
Entered by: SLM

**CERTIFICATION FOR  
"RECORD DRAWING"**

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.  
House lateral location, length and/or depth information furnished by contractor and is excluded from this certification.

ROBERT DOSTER  
REGISTERED  
No. PE19500260  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DATE: 11/17/05

**STORM SEWER PROFILE**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

REVISIONS:

DATE:  
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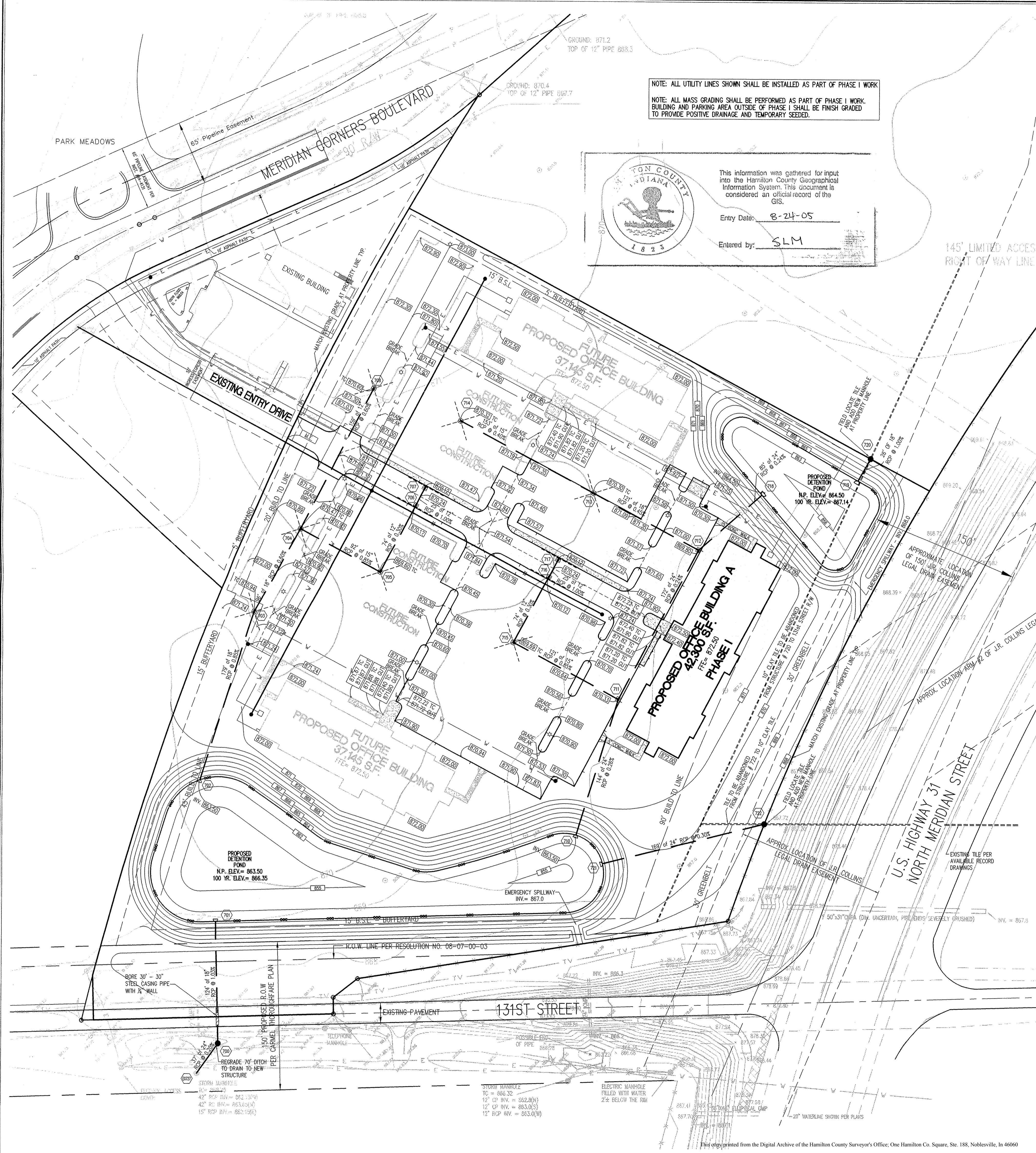
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CMC PROPERTIES  
BUSINESS PARK  
HAMILTON COUNTY, INDIANA

CMC Properties  
10925 Reed Hartman Highway, Suite 200, Cincinnati, OH 45242

DATE: 09/03/02 PROJECT NO.: 3357.003  
DRAWN BY: RDR CHECKED BY: MSO  
SHEET TITLE: STORM PLAN AND PROFILE AS-BUILTS  
DRAWING FILES:  
S:\3\3357\003\DWG\601ASB.DWG  
XREF: S:\3\3357\003\DWG\003asb-rev.dwg  
XREF: S:\3\3357\003\DWG\3357002.dwg  
XREF: S:\3\3357\003\DWG\STORM.dwg  
XREF: S:\3\3357\003\DWG\Title.dwg  
SHEET NO.: C601ASB



NOTE: ALL UTILITY LINES SHOWN SHALL BE INSTALLED AS PART OF PHASE I WORK.  
 NOTE: ALL MASS GRADING SHALL BE PERFORMED AS PART OF PHASE I WORK. BUILDING AND PARKING AREA OUTSIDE OF PHASE I SHALL BE FINISH GRADED TO PROVIDE POSITIVE DRAINAGE AND TEMPORARY SEEDS.

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ASSUMED NORTH  
 SCALE: 1" = 50'

### LEGEND

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- Storm Structure Number
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(Laterals are shown for reference only. See Sanitary Plan & Profiles for Locations)
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- Existing Contour
- Existing Elevation
- Proposed Finish Grades
- Swale Grade
- Swale Flowline (f)
- Flow Arrow
- Utility & Drainage Esmt.
- Building Setback Line
- Existing Water Main
- New Water Main
- Existing Fire Hydrant
- New Fire Hydrant
- Existing Water Valve
- New Water Valve
- New Gas Main
- New Electric Line
- Existing Telephone Line
- Existing Utility Pole
- Existing Trees
- Existing Fence

### BENCHMARKS

DNR BM HAM 62 1989  
 IN HAMILTON COUNTY, CARMEL QUADRANGLE, SECTION 27, T18N, R3E, LOCATED AT THE WEST 131ST STREET BRIDGE OVER WILLIAMS CREEK. SET IN THE TOP OF THE NORTHEAST CONCRETE WING WALL OF THE BRIDGE, 13.5 FEET NORTH OF THE CENTERLINE OF WEST 131ST STREET, 1.1 FEET SOUTHWEST FROM THE NORTHEAST END OF WING WALL. LEVEL WITH THE ROADWAY, A DEPARTMENT OF NATURAL RESOURCES CONTROL STATION TABLE STAMPED "HAM 62 1989"  
 ELEVATION = 861.783 (NGVD 1929)

DNR BM HAM 60 1989  
 IN HAMILTON COUNTY, CARMEL QUADRANGLE, SOUTHWEST 1/4 SECTION 23, T18N, R3E, LOCATED AT THE WEST 136TH BRIDGE OVER WILLIAMS CREEK. SET IN THE TOP OF THE NORTHEAST CONCRETE WINGWALL OF THE BRIDGE, 14.4 FEET NORTH OF THE CENTERLINE OF WEST 136TH STREET, 0.6 FEET SOUTHWEST FROM THE NORTHWEST FACE OF THE WINGWALL, 0.7 FEET BELOW THE ROADWAY, A DEPARTMENT OF NATURAL RESOURCES CONTROL STATION TABLE STAMPED "HAM 30 1989"  
 ELEVATION = 870.510 (NGVD 1929)

BM "X" ON THE EAST BONNET BOLT OF HYDRANT AT THE SOUTHWEST CORNER OF 131 STREET AND PENNSYLVANIA STREET.  
 ELEVATION = 875.67

### STORM STRUCTURE SCHEDULE:

(NOTE: TOP OF CASTING = TOP OF CURB FOR CURB INLET)

STR.#	TO STR.#	STRUCTURE TYPE	CASTING	TOP OF CASTING	U.S. INV.	D.S. INV.	DIA.	LENGTH	TYPE	NOTES
718	712	ES	----	N/A	864.50	864.30	24"	85'	RCP	END SEC. WITH RIP-RAP R'OD.
714	713	A	R-3472	870.32	867.12	866.51	15"	153'	RCP	
713	712	E	R-3472	870.30	866.26	865.71	18"	121'	RCP	
712	711	E	R-3286	870.30	864.30	863.88	24"	172'	RCP	
717	716	A	R-3286	870.62	867.42	867.17	12"	25'	RCP	
716	715	A	R-3286	870.62	867.17	866.95	12"	74'	RCP	
715	711	E	R-3472	869.69	866.70	865.67	15"	121'	RCP	
711	710	48" MH	R-3286	870.85	863.88	863.50	24"	144'	RCP	END SEC. R'OD.
707	706	A	R-3286	870.62	867.42	867.17	12"	25'	RCP	
706	705	A	R-3286	870.62	867.17	866.95	12"	74'	RCP	
705	704	E	R-3472	869.60	866.70	865.92	15"	92'	RCP	
708	704	A	R-3472	870.60	867.40	866.45	12"	159'	RCP	
704	703	48" MH	R-3472	870.47	865.67	865.09	18"	96'	RCP	
703	702	48" MH	R-3472	870.94	865.09	863.57	18"	179'	RCP	END SEC. WITH RIP-RAP R'OD.
701	700	ES	----	N/A	863.50	862.23	18"	124'	RCP	END SEC. WITH RIP-RAP R'OD.
700	EX727	48" MH	R-1792-EG	865.25	862.23	862.15	24"	37'	RCP	END SEC. WITH RIP-RAP R'OD.
720	719	48" MH	R-1792-EG	869.50	864.76*	864.50	18"	26'	RCP	END SEC. WITH RIP-RAP R'OD.
722	721	48" MH	R-1792-EG	867.90	864.00*	863.50	24"	169'	RCP	END SEC. WITH RIP-RAP R'OD.

\* MATCH EXISTING UPSTREAM CULVERT. NOTIFY ENGINEER OF ACTUAL GRADE AT CONNECTION POINT.

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.

ROBERT DOSIER  
 REGISTERED  
 No. PE19500260  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
  
 DATE: 1/9/03  
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CMC PROPERTIES  
 BUSINESS PARK  
 HAMILTON COUNTY, INDIANA  
 CMC Properties  
 10925 Reed Hartman Highway, Suite 200, Cincinnati, OH 45242

DATE: 09/03/02 PROJECT NO.: 3357.003  
 DRAWN BY: CMD CHECKED BY: JCZ  
 SHEET TITLE: GRADING & DRAINAGE PLAN  
 DRAWING FILES:  
 S:\3357\003\dwgs\C103.dwg  
 XREF: S:\3357\003\dwgs\001bs.dwg  
 XREF: S:\3357\003\dwgs\002bs-rev.dwg  
 XREF: S:\3357\003\dwgs\003bs-trial.dwg  
 XREF: S:\3357\003\dwgs\3357002c.dwg  
 SHEET NO.: C103