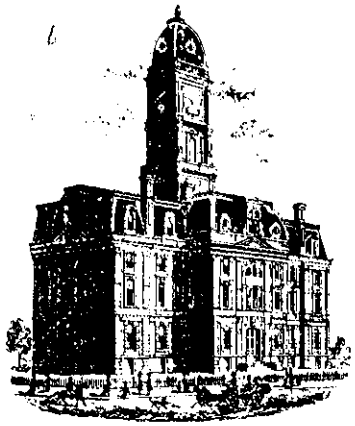

SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

December 19, 2001

To: Hamilton County Drainage Board

Re: Crooked Creek Drain, West Carmel Center Block "D" Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the West Carmel Center Block D Arm, Crooked Creek Drain. I have reviewed the submittals and petition and have found each to be in proper form.

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

12" RCP - 240 ft	30" RCP - 230 ft	50" RCP - 478 ft
15" RCP - 20 ft	36" RCP - 310 ft	60" RCP - 138 ft
18" RCP - 230 ft	42" RCP - 124 ft	
21" RCP - 50 ft	48" RCP - 91 ft	

The total length of the drain will be 1,911 feet.

The portion of the drainage facilities to be regulated are shown on the plans prepared by American Consulting, Inc. dated July 31, 2000. This is the sections of drain between the following structures: Str. 10-11, 11-12, 12-13, 13-outlet, 35A-36A, 36A-27, 27-34, 34-T7, T7-T8, T8-R2, R2-R1, T8-T9, T9-T13, T13-T14, T14-T15, T15-outlet, T7-T5, T5-T3, T3-T2, T2-31, 31-30, T2-T1, T1-29 and 29-28.

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I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of $30.00 per lot, $5.00 per acre for roadways, with a $30.00 minimum. With this assessment the total annual assessment for this drain/this section will be $187.32.

Parcels assessed for this drain are currently assessed for the Crooked Creek Drain

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

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

I recommend the Board set a hearing for this proposed drain for January 28, 2002.

Kenton C. Ward

Kenton C. Ward
Hamilton County Surveyor

KCW/llm

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PERFORMANCE BOND

FILE COPY

TravelersInsurance
A member of citigroup

Bond No. 27 SB 103461684 BCM

KNOW ALL MEN BY THESE PRESENTS:

that THE SULLIVAN CORPORATION, 15299 STONY CREEK WAY, NOBLESVILLE IN 46060

(Here insert full name and address or legal title of Contractor)

as Principal, hereinafter called Contractor, and, TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, of Hartford, Connecticut, a corporation duly organized under the laws of the State of Connecticut, as Surety, hereinafter called Surety, are held firmly bound unto

HAMILTON COUNTY BOARD OF COMMISSIONERS

(Here insert full name and address or legal title of Owner)

as Obligee, hereinafter called Owner, in the amount of Two Hundred Eighty Nine Thousand Seven Hundred Fifty and no/100

Dollars ($289,750.00), for the payment whereof Contractors and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated October 3 2000 entered into a contract with Owner for
Storm Sewers associated with Super Target, 10401 Michigan Road, Indianapolis, IN 46205

Specifications prepared by in accordance with Drawings and

American Consulting, Inc., 4165 Millersville Road, Indianapolis, IN 46205

(Here insert full name and address or legal title of Architect)

which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly and faithfully perform said Contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the Owner.

Whenever Contractor shall be, and declared by Owner to be in default under the Contract, the Owner having performed Owner's obligations thereunder, the Surety may promptly remedy the default, or shall promptly

1) Complete the Contract in accordance with its terms and conditions, or
2) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the lowest responsible bidder, or, if the Owner elects, upon determination by the Owner and the Surety jointly of the lowest responsible bidder, arrange for a contract between such bidder and Owner, and made available as Work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the contract price" as used in this paragraph, shall mean the total amount payable by Owner to Contractor under the Contract and any amendments thereto, less the amount properly paid by the Owner to Contractor.

Any suit under this bond must be instituted before the expiration of two (2) years from the date on which final payment under the Contract falls due.

Not right or action shall accrue on this bond to or for the use of any person or corporation other than the Owner named herein or the heirs, executors, administrators or successors of the Owner.

Signed and sealed this 3rd day of October , 2000

Holly S Hupp
(Witness)

THE SULLIVAN CORPORATION

(Title)

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

Laura L Deckert
(Witness)

By Nancy A. Begeman
Nancy A. Begeman Attorney-in-Fact

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Printed in cooperation with the American Institute of Architects (AIA) by Travelers Casualty and Surety Company of America. The language in this document conforms exactly to the language used in AIA Document A311, February 1970 edition. - S-1870-E-2 (2-95)

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
TRAVELERS CASUALTY AND SURETY COMPANY
FARMINGTON CASUALTY COMPANY
Hartford, Connecticut 06183-9062
TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS
Naperville, Illinois 60563-8458

POWER OF ATTORNEY AND CERTIFICATE OF AUTHORITY OF ATTORNEY(S)-IN-FACT

KNOW ALL PERSONS BY THESE PRESENTS, THAT TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY and **FARMINGTON CASUALTY COMPANY,** corporations duly organized under the laws of the State of Connecticut, and having their principal offices in the City of Hartford, County of Hartford, State of Connecticut, and **TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS,** a corporation duly organized under the laws of the State of Illinois, and having its principal office in the City of Naperville, County of DuPage, State of Illinois, (hereinafter the "**Companies**") hath made, constituted and appointed, and do by these presents make, constitute and appoint: **Robert J. Baldwin, Nancy A. Begeman, Sandra M. Burge, John J. Inderstrodt, Katherine L. Carroll or Cynthia J. Kiger * ***

of **Indianapolis, IN,** their true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any place within the United States, or, if the following line be filled in, within the area there designated
the following instrument(s):
by his/her sole signature and act, any and all bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking and any and all consents incident thereto

and to bind the Companies, thereby as fully and to the same extent as if the same were signed by the duly authorized officers of the Companies, and all the acts of said Attorney(s)-in-Fact, pursuant to the authority herein given, are hereby ratified and confirmed.

This appointment is made under and by authority of the following Standing Resolutions of said Companies, which Resolutions are now in full force and effect:

VOTED: That the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her.

VOTED: That the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary.

VOTED: That any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary, or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority.

This Power of Attorney and Certificate of Authority is signed and sealed by facsimile under and by authority of the following Standing Resolution voted by the Boards of Directors of TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY, FARMINGTON CASUALTY COMPANY and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS, which Resolution is now in full force and effect:

VOTED: That the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

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BOARD OF COMMISSIONERS
OF THE COUNTY OF HAMILTON

DATE _____

ATTEST: _____
HAMILTON COUNTY AUDITOR

OFFICE OF HAMILTON COUNTY SURVEYOR
OCT 12 2000
FILED

IN WITNESS WHEREOF, TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY, FARMINGTON CASUALTY COMPANY and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS have caused this instrument to be signed by their **Senior Vice President**, and their corporate seals to be hereto affixed this 9th day of September, 1999.

STATE OF CONNECTICUT
}SS. Hartford
COUNTY OF HARTFORD

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
TRAVELERS CASUALTY AND SURETY COMPANY
FARMINGTON CASUALTY COMPANY
TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS

By _____
George W. Thompson
Senior Vice President

On this 9th day of September, 1999 before me personally came **GEORGE W. THOMPSON** to me known, who, being by me duly sworn, did depose and say: that he/she is **Senior Vice President** of **TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY, FARMINGTON CASUALTY COMPANY and TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS**, the corporations described in and which executed the above instrument; that he/she knows the seals of said corporations; that the seals affixed to the said instrument are such corporate seals; and that he/she executed the said instrument on behalf of the corporations by authority of his/her office under the Standing Resolutions thereof.

Marie C Tetreault
My commission expires June 30, 2001 Notary Public
Marie C. Tetreault

CERTIFICATE

I, the undersigned, **Assistant Secretary** of **TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, TRAVELERS CASUALTY AND SURETY COMPANY and FARMINGTON CASUALTY COMPANY,** stock corporations of the State of Connecticut, and **TRAVELERS CASUALTY AND SURETY COMPANY OF ILLINOIS,** stock corporation of the State of Illinois, DO HEREBY CERTIFY that the foregoing and attached Power of Attorney and Certificate of Authority remains in full force and has not been revoked; and furthermore, that the Standing Resolutions of the Boards of Directors, as set forth in the Certificate of Authority, are now in force.

Signed and Sealed at the Home Office of the Company, in the City of Hartford, State of Connecticut. Dated this 3rd day of October, 2000

By _____
Brian Hoffman
Assistant Secretary, Bond

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SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, CFM
Surveyor of Hamilton County
Phone (317) 776-8495
Fax (317) 776-9628

Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board **February 3, 2009**

Re: Crooked Creek Drain: West Carmel Center Block D

Attached are as-builts, certificate of completion & compliance, and other information for West Carmel Center Block D. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated December 19, 2001. The report was approved by the Board at the hearing held January 28, 2002. (See Drainage Board Minutes Book 6, Pages 259-260) The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn_Invert
T2-T3	50	21	RCP	884.81	884.44
T1-T2	230	18	RCP	886.16	885.43
T3-T5	230	30	RCP	881.79	881.62
T5-T7	310	36	RCP	881.08	880.06
T7-T8	62	54	RCP	879.84	879.75
T8-T9	182	54	RCP	879.75	879.03
T9-T13	234	54	RCP	878.96	877.9
T13-T14	10	60	RCP	877.9	877.95
T14-T15	28	60	RCP	877.95	877.84
T15-T15A	100	60	RCP	877.74	877.46
28-29	42	12	RCP	886.37	886.24
29-T1	20	15	RCP	886.11	886.16
30-31	42	12	RCP	884.88	884.86
31-T2	10	15	RCP	884.81	884.81
35A-36A	55	12	RCP	885.86	885.22
36A-27	47	12	RCP	885.22	884.67
33C-34	42	42	RCP	880.07	879.92
27-33C	31	42	RCP	880.1	879.92
34-T7	10	42	RCP	879.92	879.86
R1-R2	44	12	RCP	884.59	884.48

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R2-T8	10	12	RCP	884.39	884.45
11-12	29	42	RCP	882.27	882.18
10-11	14	42	RCP	882.37	882.27
12-13	10	48	RCP	882.16	882.12
13-13A	80	48	RCP	882.04	881.31

The length of the drain due to the changes described above is now **1922 feet.**

The non-enforcement was approved by the Board at its meeting on February 11, 2003 and recorded under instrument #200200015777.

The following sureties were guaranteed by Travelers Insurance Company and were cancelled by Sullivan Corp. on September 21, 2001.

Bond-LC No: 27 SB 103461684 BCM
Insured For: Storm Sewers
Amount: $289,750
Issue Date: October 3, 2000

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

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm

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TRAVELERS

Bond
6081 E. 82nd Street, Suite 400
Indianapolis, IN 46250
317.845.2700
800.284.0960
866.216.5980 - FAX
www.stpaultravelers.com

FAX COVER SHEET

DATE: September 2, 2008

TO: Lynette, Hamilton County Surveyor's Office

PHONE: 776-8495

FACSIMILE: 776-9628

FROM: Tammy Steckbeck, Travelers Bond, Construction Services, Indianapolis, IN

RE: Sullivan Corporation - Bond No. 103461684

OF PAGES: 2 (including this cover page)

COMMENTS:

Lynette:

Following is a copy of the Cancellation Request/Policy Release received from Sullivan Corporation's agency in September 2001.

Please do not hesitate to contact me if you have further questions or require additional information.

Regards,

Tammy Steckbeck

Tammy Steckbeck
Account Manager

The information contained in this facsimile message is privileged and confidential information intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the United States Postal Service. Thank you.

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ACORD CANCELLATION REQUEST / POLICY RELEASE

DATE (MM/DD/YY): 09/20/01

PRODUCER OP ID BM | PHONE (A/C, No, Ext): 317-896-9775 / 317-896-3735

Rocchio-Kiley Insurance
302 West Main, PO BOX 500
Westfield IN 46074-0500
BETH MYERS

CODE: RL997, PH794 | SUB CODE:

AGENCY CUSTOMER ID: SULLI-2

INSURED NAME AND ADDRESS

SULLIVAN CORPORATION
TERRY SULLIVAN
15299 STONY CREEK WAY
NOBLESVILLE IN 46060

COMPANY NAME AND ADDRESS | NAIC CODE:

TRAVELERS PROPERTY CASUALTY

PO BOX 50485
INDIANAPOLIS IN 46250-0485

POLICY TYPE: Bond

CANCELLED POLICY INFORMATION

POLICY NUMBER: 027 SB 103461684 BCM

	CANCELLATION DATE	TIME	X	AM/PM
EFFECTIVE DATE AND HOUR OF CANCELLATION	10/03/01	12:01	X	AM
				PM

	EFFECTIVE DATE	EXPIRATION DATE
POLICY TERM	10/03/00	10/03/01

[ ] CANCELLATION REQUEST (Policy attached) [X] POLICY RELEASE (Complete Statement Section Below)

POLICY RELEASE STATEMENT

The undersigned agrees that:

The above referenced policy is lost, destroyed or being retained.

No claims of any type will be made against the Insurance Company, its agents or its representatives, under this policy for losses which occur after the date of cancellation shown above.

Any premium adjustment will be made in accordance with the terms and conditions of the policy.

Beth Myers — WITNESS — 9/21/01 — DATE
S.D. Sullivan — SIGNATURE OF NAMED INSURED — 9/21/01 — DATE

WITNESS — DATE
SIGNATURE OF NAMED INSURED — DATE

[ ] LIEN HOLDER [ ] MORTGAGEE [ ] LOSS PAYEE — AUTHORIZED SIGNATURE — TITLE — DATE

[ ] LIEN HOLDER [ ] MORTGAGEE [ ] LOSS PAYEE — AUTHORIZED SIGNATURE — TITLE — DATE

FOR AGENCY/COMPANY USE

REASON FOR CANCELLATION

[ ] NOT TAKEN
[X] REQUESTED BY INSURED
[ ] REWRITTEN (Complete below)
[ ] OTHER (Identify)

COMPANY

POLICY NUMBER | EFFECTIVE DATE

METHOD OF CANCELLATION

[X] FLAT
[ ] SHORT RATE
[ ] PRO RATA
[ ] PREMIUM CALCULATION SUBJECT TO AUDIT

FULL TERM PREMIUM: $ 2101.00
UNEARNED FACTOR:
RETURN PREMIUM: $

REMARKS
NO LONGER NEEDED / Target Sewer Bond

New York Only: If you do not keep your auto insurance in force during the entire registration period, your motor vehicle registration will be suspended. If your vehicle is still uninsured after 90 days, your driver's license will be suspended. To avoid these penalties, you must surrender your registration certificate and plates before your insurance expires. By law, we must report the termination of auto insurance coverage to the Department of Motor Vehicles.

NAME AND ADDRESS

SULLIVAN CORPORATION
TERRY SULLIVAN
15299 STONY CREEK WAY
NOBLESVILLE IN 46060

REQUEST/RELEASE DISTRIBUTION

[X] INSURED [ ] LOSS PAYEE
[ ] MORTGAGEE [ ] LIEN HOLDER
[ ] COMPANY [ ] FINANCE COMPANY

PRODUCER'S SIGNATURE: BETH MYERS — DATE: 9/21/01

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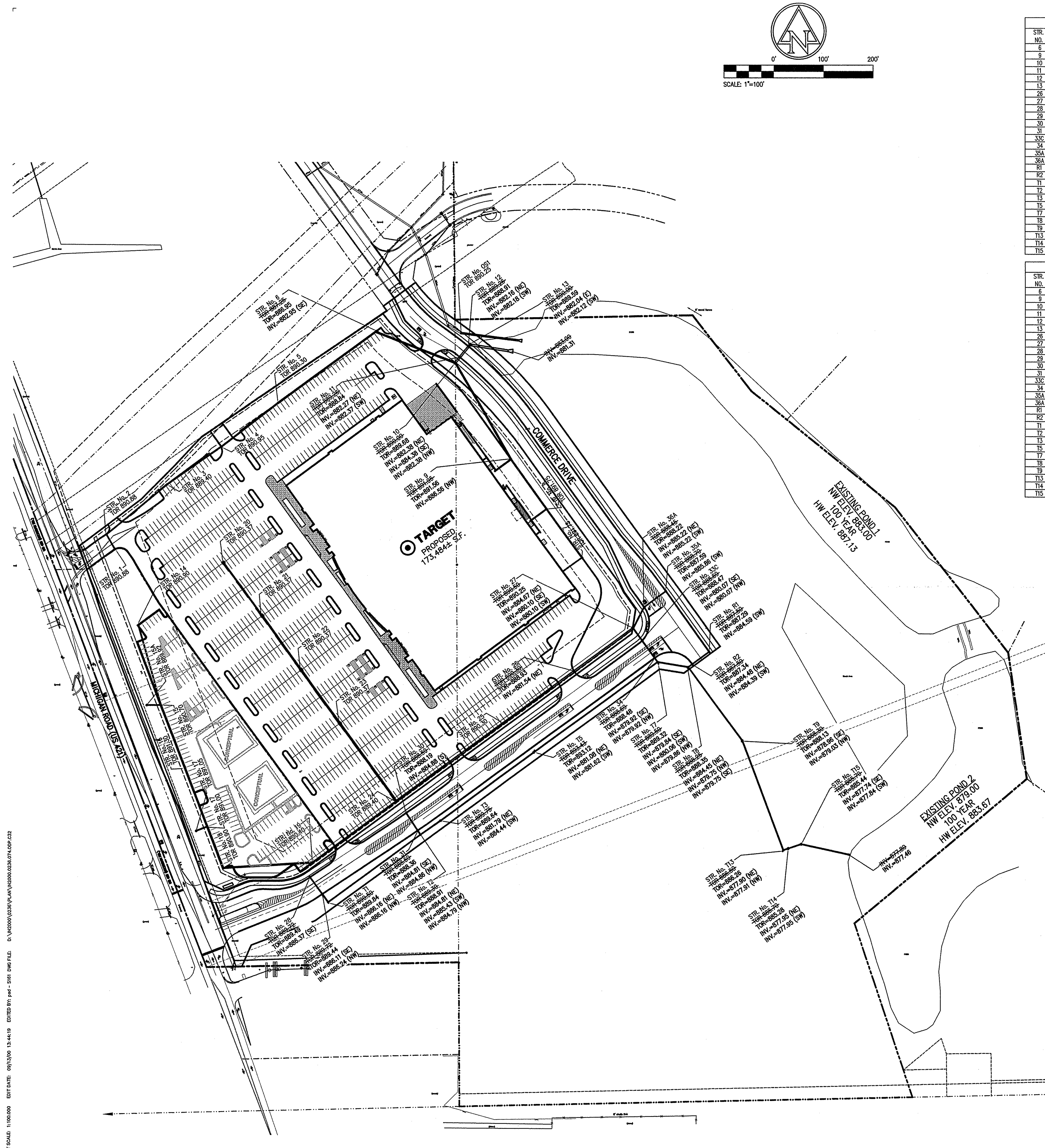

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STORM SEWER - STRUCTURE DATA TABLE (DESIGNED)

STR. NO.	STRUCTURE TYPE	CASTING TYPE	PIPE L.F.	PIPE SIZE	PIPE TYPE	ELEVATIONS T.O.R.	ELEVATIONS UPSTM	ELEVATIONS DNSTM	GRADE %	CONNECT TO STRUCT.	REMARKS
6	Type "G" Inlet	R-3287-SB10	170	30	RCP	887.25	883.76	883.21	0.33	10	
9	Type "G" Inlet	R-3287-SB10	223	27	RCP	891.95	886.62	884.89	0.78	10	
10	Manhole Type "K"	R-2500	14	42	RCP	890.00	883.21	883.18	0.22	11	
11	Manhole Type "J"	R-3275	29	42	RCP	889.26	883.18	883.11	0.23	12	
12	Manhole Type "K"	R-3275	10	48	RCP	889.26	883.11	883.10	0.12	13	
13	Manhole Type "K"	R-1772-C	80	48	RCP	890.00	883.10	883.00	0.12	out	End Section Required
26	Manhole Type "K"	R-3275	141	42	RCP	890.09	880.65	880.36	0.21	27	
27	Manhole Type "L"	R-1772-C	31	42	RCP	890.50	880.36	880.28	0.26	33C	
28	Type "M" Inlet	R-3287-SB10	42	12	RCP	889.72	886.55	886.38	0.40	29	
29	Type "M" Inlet	R-3287-SB10	20	15	RCP	889.72	886.38	886.33	0.25	T1	
30	Type "M" Inlet	R-3287-SB10	42	12	RCP	888.59	885.30	884.98	0.75	31	
31	Type "M" Inlet	R-3287-SB10	10	15	RCP	888.59	884.98	884.94	0.40	T2	
33C	Manhole Type "L"	R-3275	42	42	RCP	888.69	880.28	880.14	0.32	34	
34	Manhole Type "L"	R-3275	10	42	RCP	888.69	880.14	880.11	0.32	T7	
35A	Type "M" Inlet	R-3287-SB10	55	12	RCP	888.70	886.03	885.48	1.00	36A	
36A	Type "M" Inlet	R-3287-SB10	47	12	RCP	888.45	885.48	884.92	1.20	27	
R1	Type "A" Inlet	R-3010	44	12	RCP	887.50	884.83	884.69	0.32	R2	
R2	Type "A" Inlet	R-3010	10	12	RCP	887.50	884.69	884.61	0.79	T8	
T1	Type "C" Inlet	R-1833-A	230	18	RCP	890.50	886.33	885.64	0.30	T2	
T2	Type "C" Inlet	R-1833-A	50	21	RCP	889.30	884.94	884.79	0.30	T3	
T3	Manhole Type "H"	R-1772-C	230	30	RCP	889.75	881.96	881.23	0.32	T5	
T5	Manhole Type "J"	R-1772-C	310	36	RCP	893.43	881.23	880.57	0.21	T7	
T7	Manhole Type "L"	R-1772-C	62	54	RCP	889.50	880.11	880.02	0.14	T8	
T8	Manhole Type "L"	R-1772-C	182	54	RCP	888.25	880.02	879.77	0.14	T9	
T9	Manhole Type "L"	R-1772-C	234	54	RCP	888.30	879.77	879.28	0.21	T13	
T13	Manhole Type "M"	R-1772-C	10	60	RCP	886.50	879.28	879.26	0.16	T14	
T14	Manhole Type "L"	R-3277	28	60	RCP	885.70	879.26	879.22	0.16	T15	
T15	Manhole Type "L"	R-3277	100	60	RCP	885.70	879.22	879.06	0.16	out	End Section Required

STORM SEWER - STRUCTURE DATA TABLE (AS-BUILT)

STR. NO.	STRUCTURE TYPE	CASTING TYPE	PIPE L.F.	PIPE SIZE	PIPE TYPE	ELEVATIONS T.O.R.	ELEVATIONS UPSTM	ELEVATIONS DNSTM	GRADE %	CONNECT TO STRUCT.	REMARKS
6	Type "G" Inlet	R-3287-SB10	170	30	RCP	886.95	882.95	882.38	0.33	10	
9	Type "G" Inlet	R-3287-SB10	223	27	RCP	891.56	886.56	884.38	0.78	10	
10	Manhole Type "K"	R-2500	14	42	RCP	889.68	882.38	882.37	0.22	11	
11	Manhole Type "J"	R-3275	29	42	RCP	888.84	882.27	882.18	0.23	12	
12	Manhole Type "K"	R-3275	10	48	RCP	888.91	882.16	882.12	0.12	13	
13	Manhole Type "K"	R-1772-C	80	48	RCP	889.59	882.04	881.31	0.12	out	End Section Required
26	Manhole Type "K"	R-3275	141	42	RCP	889.93	881.54	880.10	0.21	27	
27	Manhole Type "L"	R-1772-C	31	42	RCP	890.25	880.10	880.07	0.26	33C	
28	Type "M" Inlet	R-3287-SB10	42	12	RCP	889.49	886.37	886.24	0.40	29	
29	Type "M" Inlet	R-3287-SB10	20	15	RCP	889.44	886.11	886.16	0.25	T1	
30	Type "M" Inlet	R-3287-SB10	42	12	RCP	888.19	884.88	884.86	0.75	31	
31	Type "M" Inlet	R-3287-SB10	10	15	RCP	888.36	884.81	884.81	0.40	T2	
33C	Manhole Type "L"	R-3275	42	42	RCP	888.47	880.07	879.92	0.32	34	
34	Manhole Type "L"	R-3275	10	42	RCP	888.48	879.92	879.86	0.32	T7	
35A	Type "M" Inlet	R-3287-SB10	55	12	RCP	888.59	885.86	885.22	1.00	36A	
36A	Type "M" Inlet	R-3287-SB10	47	12	RCP	888.22	885.22	884.67	1.20	27	
R1	Type "A" Inlet	R-3010	44	12	RCP	887.29	884.59	884.48	0.32	R2	
R2	Type "A" Inlet	R-3010	10	12	RCP	887.34	884.39	884.45	0.79	T8	
T1	Type "C" Inlet	R-1833-A	230	18	RCP	889.84	886.16	885.43	0.30	T2	
T2	Type "C" Inlet	R-1833-A	50	21	RCP	888.91	884.79	884.44	0.30	T3	
T3	Manhole Type "H"	R-1772-C	230	30	RCP	889.64	881.79	881.62	0.32	T5	
T5	Manhole Type "J"	R-1772-C	310	36	RCP	893.12	881.08	880.06	0.21	T7	
T7	Manhole Type "L"	R-1772-C	62	54	RCP	889.32	879.84	879.82	0.14	T8	
T8	Manhole Type "L"	R-1772-C	182	54	RCP	888.35	879.75	879.03	0.14	T9	
T9	Manhole Type "L"	R-1772-C	234	54	RCP	888.13	878.96	877.91	0.21	T13	
T13	Manhole Type "M"	R-1772-C	10	60	RCP	886.26	877.90	877.95	0.16	T14	
T14	Manhole Type "L"	R-3277	28	60	RCP	885.28	877.95	877.84	0.16	T15	
T15	Manhole Type "L"	R-3277	100	60	RCP	885.44	877.74	877.46	0.16	out	End Section Required

Not Asbuilt Info.

GENERAL GRADING NOTES

1. ALL WORK TO CONFORM TO STATE AND LOCAL REGULATIONS.
2. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (location, size and depth) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
6. TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH SELECT GRANULAR MATERIAL IF WITHIN 5 FEET OF PAVEMENT.
7. AFTER STRIPPING TOPSOIL MATERIAL, PROOFROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUBDRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
8. PROVIDE POSITIVE DRAINAGE WITHOUT PONDING, IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR TO TEST FOR, AND CORRECT, IF ANY, "BIRD BATH" CONDITIONS.
9. ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
10. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
11. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO HAMILTON COUNTY STANDARDS.
12. INVERTS AT PIPE OUTLETS ARE GIVING AT END OF PIPE END SECTION.
13. DEBRIS GUARD TO BE INSTALLED AT ALL OPEN ENDED INLETS.
14. DUE TO SITE CONSTRAINTS, THE SITE MAY OR MAY NOT BALANCE. THE CONTRACTOR IS RESPONSIBLE FOR ALL EARTHWORK IMPORT OR EXPORTS.

BENCHMARK:

USGS 1929 BM S-78
DISK SET IN CONCRETE POST, 50 FEET EAST OF CENTERLINE OF U.S. 421, 1,000 FEET ± NORTHWESTERLY OF 106th STREET ALONG THE EASTERN RIGHT-OF-WAY LINE OF U.S. 421, NEAR ABANDONED BARN & HOUSE. EL. 901.163

ACE TBM #500:
R.R. SPIKE IN W. SIDE POWER POLE, S. SIDE OF 106TH STREET, FIRST POLE WEST OF COMMERCE DRIVE. EL. 897.26
(USGS 1929 DATUM = 896.93)

ACE TBM #501:
CHISELED "X" ON N.N.E. BONNET BOLT OF A FIRE HYDRANT ON THE NORTH SIDE OF CARWINION WAY AT THE ENTRANCE TO ASHBROOK SUBDIVISION EL. 892.03
(USGS 1929 DATUM = 891.66

CAUTION !!

THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (Including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.

1-800-382-5544
CALL TOLL FREE
- INDIANA UNDERGROUND -

GLENDALE PARTNERS
320 NORTH MERIDIAN STREET, STE. 700
INDIANAPOLIS, INDIANA 46204

AMERICAN CONSULTING, INC.
Architects
Consultants
Engineers
4165 MILLERSVILLE ROAD
INDIANAPOLIS, IN 46205-2998
(317) 547-5580 FAX: (317) 543-0270

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ALEN FETAHAGIC
REGISTERED
No. 19900549
STATE OF INDIANA
PROFESSIONAL ENGINEER

CERTIFIED BY

AS-BUILT DRAINAGE PLAN

TARGET AT WEST CARMEL CENTER

10401 N. MICHIGAN ROAD
CARMEL, INDIANA

DATE:	11/18/08
DRAWN BY:	PED
CHK'D BY:	AF
JOB NO.	IN20051108

REVISIONS

SHEET NO.
C3.2
OF

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