Drain: MALLERY - GRANGER **Drain #:** 313
Improvement/Arm: FEATHER COVE
Operator: J. LIVINGSTON **Date:** 11-21-03
Drain Classification: (Urban)/Rural **Year Installed:** 2000

GIS Drain Input Checklist

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

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: Mallery Granger : Feather Cove (Corrected 5-18-05)

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable Price:	If Applicable Cost:
SSD	6"	5313'	5313'	∅		
RCP	15"	544'	544'	∅		
RCP	18"	1398'	1398'	∅		
RCP	27"	137'	137'	∅		
RCP	30"	163'	163'	∅		
RCP	33"	71'	71'	∅		
CT	18" *	1573'	1573'	∅	#6.50 lf	#10,244.50
open	—	560'	560'	∅	#19.55 lf	#10,948.00
Sum:		9759'	9759'	∅		#21,192.50 **

Final Report: 9759'

Comments:

* Original Report stated it was 24" CT. A survey was performed by this office and it was revealed to be an 18" CT.

** Only portion not bonded. Change in size will need to be reported because this changes the assets value.

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Gasb 34 Footages for Historical Cost
Drain Length Log

Drain-Improvement: Feather Cove OFFSite

Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	Price:	Cost:
Concrete Tile	24"	1540			11.00 LF	16,940.00
open ditch	—	560			19.55 LF	$10,948.00
Sum:		2100				$27,888

Final Report:

Comments:

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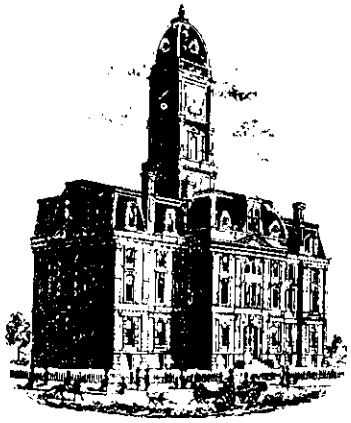

SURVEYOR'S OFFICE

Hamilton County

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

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

To: Hamilton County Drainage Board

July 14, 2000

Re: Mallery-Granger Drain, Feather Cove Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Mallery-Granger Drain, Feather Cove Arm. I have reviewed the submittals and petition and have found each to be in proper form.

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

6" SSD	5,582 Ft	27" RCP	135 Ft	24" Conc. Tile	1,540 Ft
15" RCP	971 Ft	30" RCP	165 Ft	Open Ditch	560 Ft
18" RCP	886 Ft	33" RCP	76 Ft		

The total length of the drain will be 9,915 feet.

The retention pond (lake) located in Block C is to be considered part of the regulated drain. The Board will also retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs and those main lines between lots or in rear yards. Only the main SSD lines, which are located within the easement/right of way, are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain. The portion of the SSD which will be regulated other than those under curbs are as follows: Rear of Lots 17 to 28.

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The open ditch listed above the existing open ditch along the south lines of the Robert Cruzan, Trustee property and the Gordon Realty Inc. property, tracts 10-06-24-00-00-001.000 and 11-06-24-00-00-024.002 respectively. The twenty-four (24") inch concrete tile is the existing tile running from the west side of Hague Road to the open ditch. This line runs along the south line of the following tracts:

Gordon Realty Inc.	11-06-24-00-00-024.202
	11-06-24-00-00-024.002
Gordon Realty Corp.	11-06-24-00-00-024.102

The easements for the above outlined open ditch and 24" tile should be set at 25 feet each side of the open ditch and 15 feet each side of the 24" tile. All existing structures now within the easement areas shall be grandfathered and allowed to remain.

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 $75.00 per lot, $10.00 per acre for common areas, $10.00 per acre for roadways, with a $75.00 minimum. With this assessment the total annual assessment for this drain/this section will be $2,412.00.

Parcels assessed for this drain will be assessed for the reconstruction of the Mallery-Granger Drain at sometime in the future. Parcels assessed for this drain will also be assessed for the Mallery-Granger 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 widths as shown on the secondary plat for Feather Cove as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for August 28, 2000.

Kenton C. Ward
Hamilton County Surveyor

KCW/kkw

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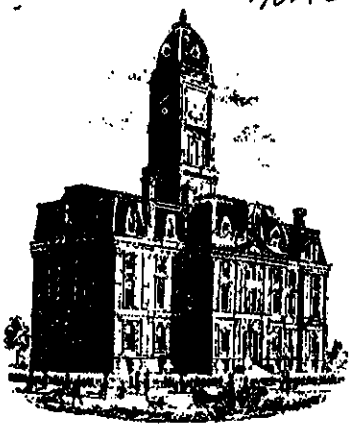
Non-enforcement = # 2001-0002893 approved 8-28-2000

Blk 5 page 423



SURVEYOR'S OFFICE

Hamilton County

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

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

625

To: Hamilton County Drainage Board

July 14, 2000

Re: #313 Mallery-Granger Drain, Feather Cove Arm

15 99

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Mallery-Granger Drain, Feather Cove Arm. I have reviewed the submittals and petition and have found each to be in proper form.

2385 2384

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

6" SSD	5,582 Ft		27" RCP	135 Ft	137	24" Conc. Tile	1,540 Ft	1576
15" RCP	971 Ft	549	30" RCP	165 Ft	163	Open Ditch	560 Ft	560
18" RCP	886 Ft	1398	33" RCP	76 Ft	71			

18

The total length of the drain will be 9,915 feet.

The retention pond (lake) located in Block C is to be considered part of the regulated drain. The Board will also retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

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I recommend the Board set a hearing for this proposed drain for August 28, 2000.

Kenton C. Ward
Hamilton County Surveyor

KCW/kkw

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Fifth Third Bank
INTERNATIONAL DEPARTMENT
38 Fountain Square Plaza / Cincinnati, Ohio 45263
Phone (513) 579-5220
Cable address: FIFTH THIRD
Telex number: 21-4567

Except so far as otherwise expressly stated this credit is subject to the "Uniform Customs and Practice for Documentary Credits of the International Chamber of Commerce, Presently in Effect".

ISSUING BANK:
Fifth Third Bank
International Division
38 Fountain Square Plaza
Cincinnati, Ohio 45263

IRREVOCABLE STANDBY CREDIT
NUMBER: SB12198

PLACE AND DATE OF ISSUE
Cincinnati, Ohio 45263
22 Jun.2000

EXPIRY DATE AND PLACE FOR PRESENTATION OF DOCUMENTS: 22 Jun.2001
Our counters

APPLICANT:
COMMUNITY DEVELOPMENT 2, INC.
4612 EMERSON AVENUE
INDIANAPOLIS, IN 46203

BENEFICIARY:
HAMILTON COUNTY BOARD OF COMMISSIONERS
1717 PLEASANT STREET
NOBLESVILLE IN 46038

AMOUNT: USD3,450.00
Three thousand four hundred fifty and 00/100
United States Dollars

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO SB12198 IN YOUR FAVOR, AT THE REQUEST AND FOR THE ACCOUNT OF COMMUNITY DEVELOPMENT 2, INC., 4612 EMERSON AVENUE, INDIANAPOLIS, IN 46203 FOR ANY SUM OR SUMS NOT EXCEEDING USD3,450.00 AVAILABLE UPON PRESENTATION BY THE DIRECTOR OF THE HAMILTON COUNTY BOARD OF COMMISSIONERS OR ANY EMPLOYEE ACTING UNDER HIS AUTHORITY, OF A LETTER SIGNED BY THE PRESIDENT OF THE HAMILTON COUNTY BOARD OF COMMISSIONERS ENUMERATING ANY AND ALL IMPROVEMENTS NOT COMPLETED AS REQUIRED FOR MONUMENTS, MARKERS AND STREET SIGNS FOR FEATHER COVE SUBDIVISION. THE PRESIDENT'S LETTER SHALL ALSO INDICATE THE ESTIMATED COST OF COMPLETING THE IMPROVEMENTS.

THE DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST STATE "DRAWN UNDER LETTER OF CREDIT NO SB12198 OF FIFTH THIRD BANK, CINCINNATI OHIO DATED JUNE 22, 2000." THE AMOUNTS OF THE DRAFTS MUST BE NOTED ON THE BACK OF THIS LETTER OF CREDIT BY THE NEGOTIATING BANK AND/OR AGENCY.

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Fifth Third Bank
INTERNATIONAL DEPARTMENT
38 Fountain Square Plaza / Cincinnati, Ohio 45263
Phone (513) 579-5220

Cable address: FIFTH THIRD

Telex number: 21-4567

Except so far as otherwise expressly stated this credit is subject to the "Uniform Customs and Practice for Documentary Credits of the International Chamber of Commerce, Presently in Effect".

THIS LETTER OF CREDIT IS EFFECTIVE AS OF JUNE 22, 2000 AND SHALL EXPIRE ON JUNE 22, 2001, BUT SUCH EXPIRATION DATE SHALL BE AUTOMATICALLY EXTENDED FOR A PERIOD OF ONE YEAR, ON JUNE 22, 2001, AND ON EACH SUCCESSIVE EXPIRATION DATE, UNLESS A RELEASE IS RECEIVED FROM THE HAMILTON COUNTY BOARD OF COMMISSIONERS, OR WE NOTIFY BOTH THE HAMILTON COUNTY BOARD OF COMMISSIONERS AND COMMUNITY DEVELOPMENT 2, INC. BY CERTIFIED MAIL, AT LEAST NINETY (90) DAYS BEFORE THE CURRENT EXPIRATION DATE, THAT WE HAVE DECIDED NOT TO EXTEND THIS LETTER OF CREDIT BEYOND THE CURRENT EXPIRATION DATE. IN THE EVENT OF SUCH NOTIFICATION BY US, THE CREDIT ESTABLISHED BY THIS LETTER SHALL BE AVAILABLE TO THE HAMILTON COUNTY BOARD OF COMMISSIONERS UPON ITS SIGHT DRAFT OR DEMAND FOR PAYMENT FOR NINETY (90) DAYS AFTER RECEIPT OF SUCH NOTICE BY THE HAMILTON COUNTY BOARD OF COMMISSIONERS, AS SHOWN ON THE SIGNED RETURN RECEIPT.

THE CREDIT ESTABLISHED BY THIS LETTER AND OUR OBLIGATION TO PAY SAME SHALL NOT BE AFFECTED BY THE RECEIVERSHIP, BANKRUPTCY OR INSOLVENCY OF COMMUNITY DEVELOPMENT 2, INC. OR THE ATTACHMENT OF HIS/HER PROPERTY. NOR SHALL THIS CREDIT OR OUR OBLIGATION TO PAY SAME BE AFFECTED BY ANY SECURITY AGREEMENT BETWEEN COMMUNITY DEVELOPMENT 2, INC. AND OUR BANK AND/OR AGENCY.

WHENEVER THIS LETTER OF CREDIT IS DRAWN ON UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS LETTER OF CREDIT, WE SHALL PAY THE AMOUNT OF THE DRAFT DIRECTLY TO THE HAMILTON COUNTY BOARD OF COMMISSIONERS OR IN ACCORDANCE WITH ITS INSTRUCTIONS.

REGARDS
THE FIFTH THIRD BANK
INTERNATIONAL DEPT.
CINCINNATI, OHIO USA
TLX 214567

Authorized Signature

Authorized Signature

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Fifth Third Bank
INTERNATIONAL DEPARTMENT
38 Fountain Square Plaza / Cincinnati, Ohio 45263
Phone (513) 579-5220

Cable address: FIFTH THIRD

Telex number: 21-4567

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ISSUING BANK:
Fifth Third Bank
International Division
38 Fountain Square Plaza
Cincinnati, Ohio 45263

IRREVOCABLE STANDBY CREDIT
NUMBER: SB12197

PLACE AND DATE OF ISSUE
Cincinnati, Ohio 45263
22 Jun.2000

EXPIRY DATE AND PLACE FOR PRESENTATION OF DOCUMENTS: 22 Jun.2001
Our counters

APPLICANT:
COMMUNITY DEVELOPMENT 2, INC.
4612 EMERSON AVENUE
INDIANAPOLIS, IN 46203

BENEFICIARY:
HAMILTON COUNTY BOARD OF COMMISSIONERS
ONE HAMILTON COUNTY SQUARE, #146
NOBLESVILLE IN 46060

AMOUNT: USD12,500.00
Twelve thousand five hundred and 00/100
United States Dollars

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO SB12197 IN YOUR FAVOR, AT THE REQUEST AND FOR THE ACCOUNT OF COMMUNITY DEVELOPMENT 2, INC., 4612 EMERSON AVENUE, INDIANAPOLIS, IN 46203 FOR ANY SUM OR SUMS NOT EXCEEDING USD12,500.00 AVAILABLE UPON PRESENTATION BY THE DIRECTOR OF THE HAMILTON COUNTY BOARD OF COMMISSIONERS OR ANY EMPLOYEE ACTING UNDER HIS AUTHORITY, OF A LETTER SIGNED BY THE PRESIDENT OF THE HAMILTON COUNTY BOARD OF COMMISSIONERS ENUMERATING ANY AND ALL IMPROVEMENTS NOT COMPLETED AS REQUIRED FOR EROSION CONTROL FOR FEATHER COVE SUBDIVISION. THE PRESIDENT'S LETTER SHALL ALSO INDICATE THE ESTIMATED COST OF COMPLETING THE IMPROVEMENTS.

THE DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST STATE "DRAWN UNDER LETTER OF CREDIT NO. SB12197 OF FIFTH THIRD BANK, CINCINNATI OHIO DATED JUNE 22, 2000." THE AMOUNTS OF THE DRAFTS MUST BE NOTED ON THE BACK OF THIS LETTER OF CREDIT BY THE NEGOTIATING BANK AND/OR AGENCY.

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Fifth Third Bank
INTERNATIONAL DEPARTMENT
38 Fountain Square Plaza / Cincinnati, Ohio 45263
Phone (513) 579-5220

Cable address: FIFTH THIRD

Telex number: 21-4567

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REGARDS
THE FIFTH THIRD BANK
INTERNATIONAL DEPT.
CINCINNATI, OHIO USA
TLX 214567

Authorized Signature

Authorized Signature

Form 25-038 (Rev. 3/92)

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CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Mallery-Granger Drain, Feather Cove

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 .~~ NO LMC 9/24/01

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~~ the attached record drawings. LMC 9/26/01

Signature: L. Max Cooper Date: 9/26/01

Type or Print Name: L. Max Cooper

Business Address: The Schneider Corporation
8901 Otis Avenue, Indianapolis, IN 46216

Telephone Number: 317-827-7305

SEAL

L. MAX COOPER
REGISTERED
NO. 21314
STATE OF INDIANA
PROFESSIONAL ENGINEER

INDIANA REGISTRATION NUMBER
21314

FILED
OCT 02 2001
OFFICE OF HAMILTON COUNTY SURVEYOR

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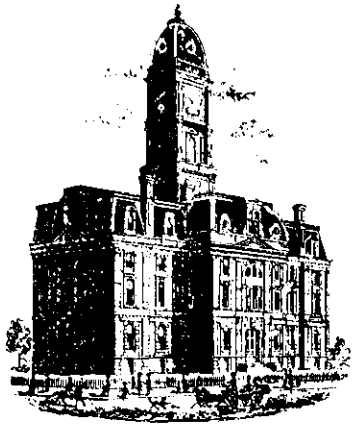

SURVEYOR'S OFFICE

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

Re: Mallery – Granger Drain: Feather Cove Arm

Attached are as-builts, certificate of completion & compliance, and other information for Feather Cove. 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 July 14, 2000. The report was approved by the Board at the hearing held August 28, 2000. (See Drainage Board Minutes Book 5, Page 423)
The changes are as follows:

Structure:	Length:	Size:	Material:	Up Invert:	Dn_Invert	Grade:	Length Changes:
614-613	30	18	RCP	808.35	808.29	0.2	0
613-609	391	18	RCP	808.29	807.67	0.16	1
607-608	30	18	RCP	807.95	807.87	0.27	0
608-609	137	27	RCP	807.87	807.67	0.15	2
609-617	133	30	RCP	807.67	807.4	0.2	-2
617-616	30	30	RCP	807.4	807.35	0.16	0
616-615	71	33	RCP	807.35	807.3	0.08	-6
623-622	51	18	RCP	807.76	807.58	0.35	-8
622-621	56	18	RCP	807.58	807.4	0.32	0
621-620	49	18	RCP	807.4	807.33	0.14	-5
624-622	30	18	RCP	807.9	807.58	1.07	0
610-611	70	15	RCP	806.73	805.5	1.76	-6
611-625	185	15	RCP	805.5	805	0.27	1
625-626	33	15	RCP	805	804.88	0.36	0
626-627	37	15	RCP	804.88	804.77	0.29	1
627-628	49	15	RCP	804.77	804.65	0.41	0
628-629	170	15	RCP	804.65	804.24	0.24	0
629-630	84	18	RCP	804.24	803.92	0.38	3
630-631	677	18	RCP	803.89	803.66	0.03	-7
631-631A*	1573	18	CT	803.46	796.14	0.47	33

6" SSD Streets:

Sea Crest Way N	1008
Sea Crest Way S	1291.5

6" SSD Lots:

26-28	714

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TotalX2:	4599

Total:	714

RCP Pipe Totals:

15	544
18	1398
27	137
30	163
33	71
Total:	2313

Other Drain:	
OPEN	560
CT - 18"	1573
Total:	2133

The length of the drain due to the changes described above is now **9,759 feet**.

The non-enforcement was approved by the Board at its meeting on August 28, 2000 and recorded under instrument #200100002893.

The following sureties were guaranteed by Fifth Third Bank and released by the Board on its October 8, 2001 meeting.

Bond-LC No: SB12199
Insured For: Storm Sewers
Amount: $84,315
Issue Date: June 22, 0000

Bond-LC No: SB12197
Insured For: Erosion Control
Amount: $12,500
Issue Date: June 22, 0000

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

Sincerely,

Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

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Asbuilt Structures

Drain: #313 Mallery-Granger
Improvement-Arm: Feather Cove
Engineer: Schneider
Asbuilt Project #: 2558.001

Structure:	Length:	Size:	Material:	Up Invert:	Dn_Invert	Grade:	Length Changes:
614-613	30	18	RCP	808.35	808.29	0.2	0
613-609	391	18	RCP	808.29	807.67	0.16	1
607-608	30	18	RCP	807.95	807.87	0.27	0
608-609	137	27	RCP	807.87	807.67	0.15	2
609-617	133	30	RCP	807.67	807.4	0.2	-2
617-616	30	30	RCP	807.4	807.35	0.16	0
616-615	71	33	RCP	807.35	807.3	0.08	-6
623-622	51	18	RCP	807.76	807.58	0.35	-8
622-621	56	18	RCP	807.58	807.4	0.32	0
621-620	49	18	RCP	807.4	807.33	0.14	-5
624-622	30	18	RCP	807.9	807.58	1.07	0
610-611	70	15	RCP	806.73	805.5	1.76	-6
611-625	185	15	RCP	805.5	805	0.27	1
625-626	33	15	RCP	805	804.88	0.36	0
626-627	37	15	RCP	804.88	804.77	0.29	1
627-628	49	15	RCP	804.77	804.65	0.41	0
628-629	170	15	RCP	804.65	804.24	0.24	0
629-630	84	18	RCP	804.24	803.92	0.38	3
630-631	677	18	RCP	803.89	803.66	0.03	-7
631-631A*	1573	18	CT	803.46	796.14	0.47	33

6" SSD Streets:

Sea Crest Way N	1008
Sea Crest Way S	1291.5
TotalX2:	4599

6" SSD Lots:

26-28	714
Total:	714

RCP Pipe Totals:

15	544
18	1398
27	137
30	163
33	71
Total:	2313

Other Drain:	
OPEN	560
CT - 18"	1573
Total:	2133

Drain Total: 9759

*Surveyed by the Hamilton County Surveyor's Office. Tile was originally reported as a 24" CT.

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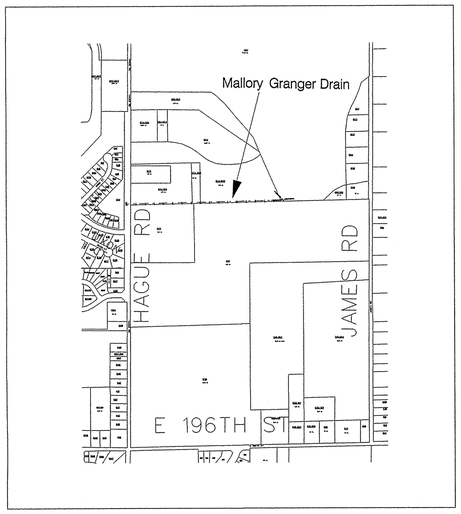


SITE LOCATION MAP

HAMILTON COUNTY SURVEYOR'S OFFICE

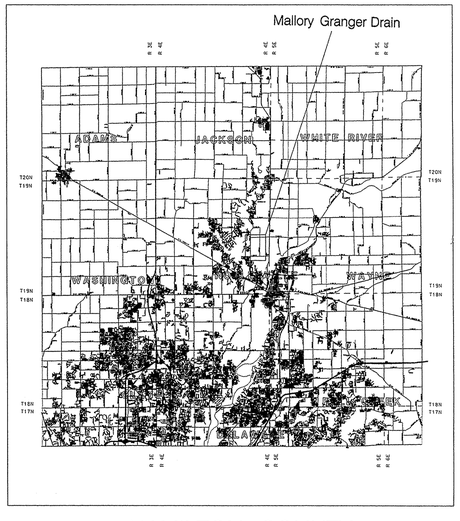
KENTON C. WARD, COUNTY SURVEYOR

HAMILTON COUNTY DRAINAGE BOARD

CHRISTINE ALTMAN, PRESIDENT
STEVEN A. HOLT, MEMBER
STEVEN C. DILLINGER, MEMBER
JERRY RULON, ALTERNATE MEMBER

Mallory Granger Drain
As–Built

INDEX	
SHEET NO.	Description
1	Plan Sheet



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Hamilton County Surveyor's Office
Hamilton County Government and
Judicial Center
One Hamilton County Square, Suite 188
Noblesville, IN 46060
(317) 776-8495
(F) 776-9628
surveyor@co.hamilton.in.us

Revisions:	Date:	By:

Project No:
Watershed No:
Dgn Name: Mallory Granger.dgn
Field By:
Drawn By:
Checked By:
Date:

JEFFERY P. POWELL REGISTERED No. 20000624 STATE OF INDIANA LAND SURVEYOR

Certified By: 4/4/05

Jeff Powell L.S.

Project Name: Mallory Granger

Title Sheet

PLOT DATE: 03/1/05

SHEET NO.

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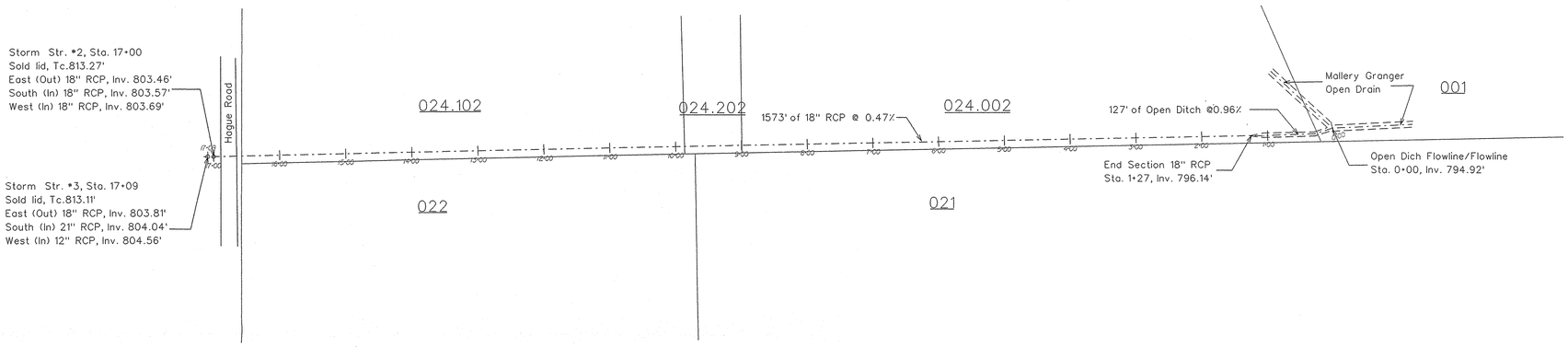
Mallery Granger Drain, Feather Cove Arm
As-Builts for 18" RCP
Dated 8-25-04



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Project No:
Watershed No:
Dgn. Name:
Field By:
Drawn By:
Checked By:
Date:

By:
Date:

Revisions:

Certified By: 4/4/05
Jeff Powell L.S.

Project Name:
Mallory Granger Drain

As-Built Plan

PLOT DATE: 03/1/05

SHEET NO.
1 of 1

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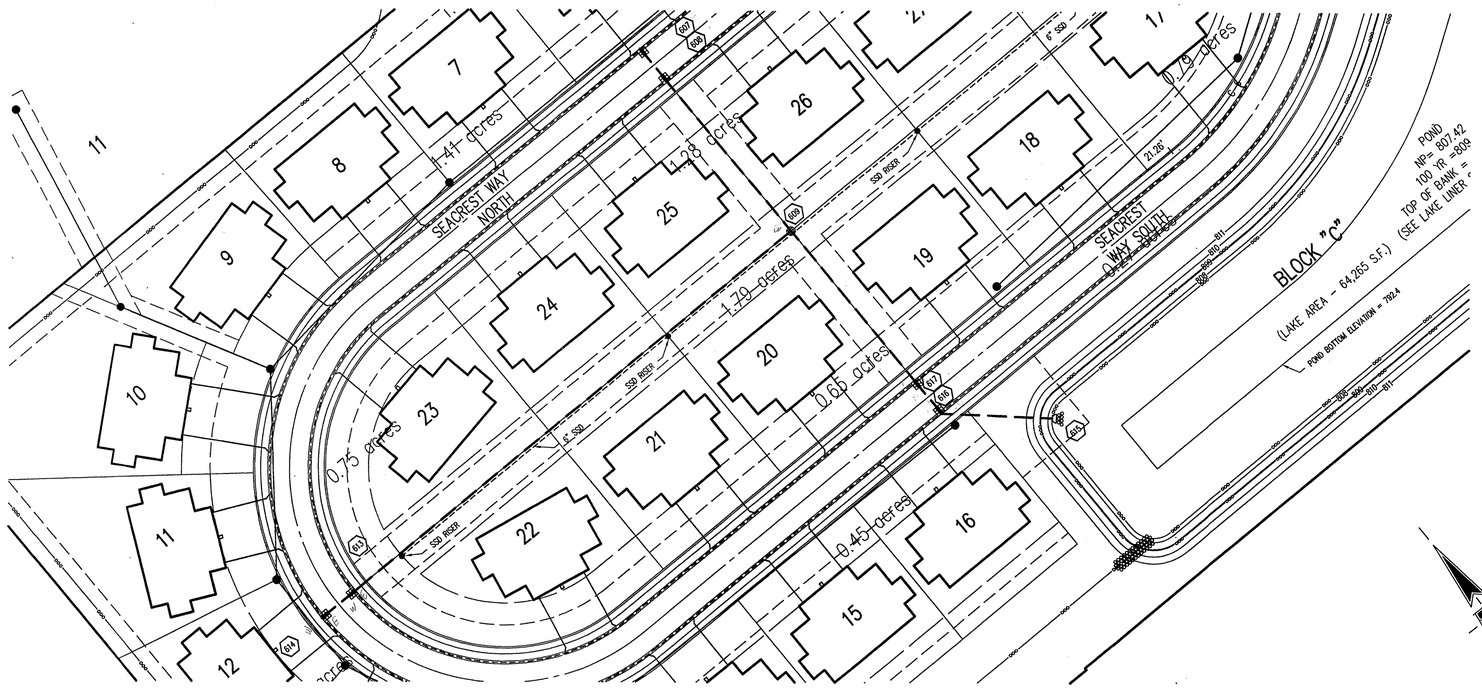

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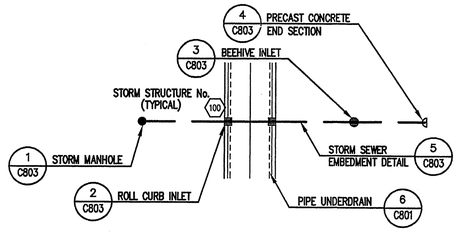
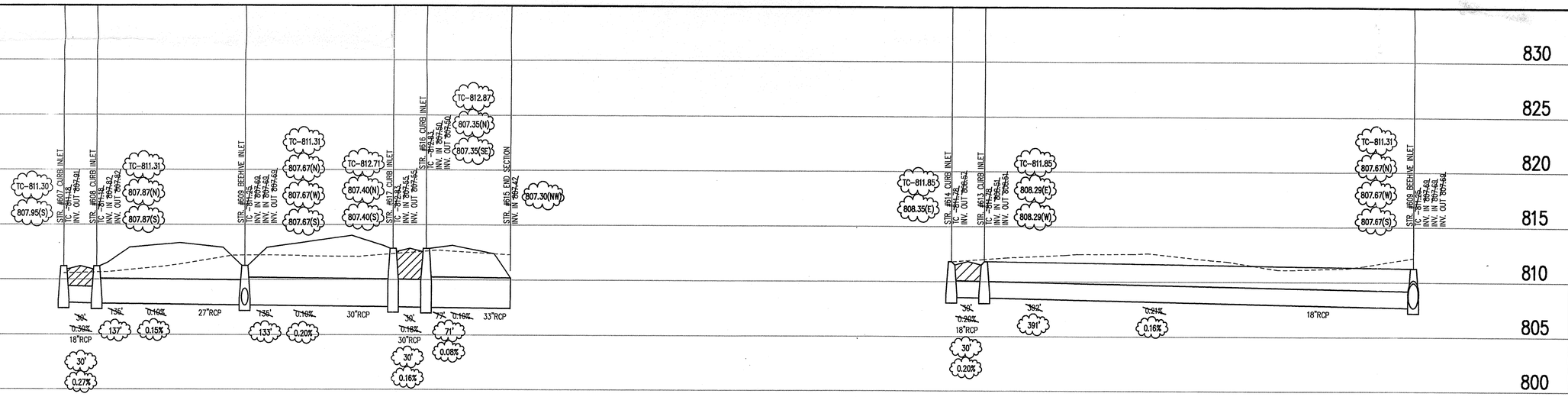


STORM SEWER LEGEND

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

LEGEND
Existing Grade | New Grade | Granular Backfill

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

STORM SEWER RECORD DRAWING

GENERAL NOTES

1. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
2. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

BENCHMARK

BENCHMARKS

BM = NGS BENCH MARK DISK "E212" (RESET)
ELEV = 796.627
(NGVD 29)

TBM #1 – MAG NAIL 1' UP ON
POWER POLE #189064
ELEV = 809.95
(NGVD 29)

Revisions
1. DWM, 4/12/00–REVISED PROPOSED GRADE BETWEEN STR. #607 THRU #615.
2. TDK, 4/18/00 – REVISED STREET NAMES
3. 11/16/00 STORM SEWER "RECORD DRAWING".
4. 04/26/01 MISC. REVISIONS TO "RECORD DRAWING".

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.

MAX COOPER REGISTERED NO. 21314 STATE OF INDIANA PROFESSIONAL ENGINEER

CERTIFIED BY: [signature] DATE: 4/26/01

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COMMUNITY DEVELOPMENT II, INC.
FEATHER COVE
NOBLESVILLE, INDIANA

STORM SEWER PLAN

Date	Project No.	Drawn	Approv.
1/24/00	2558.001	DCC	

Computer Files
J:\2K\2558\001\DWGS\C601.DWG
XREF: 2558BS.DWG
XREF: STORM.DWG

Sheet No. C601

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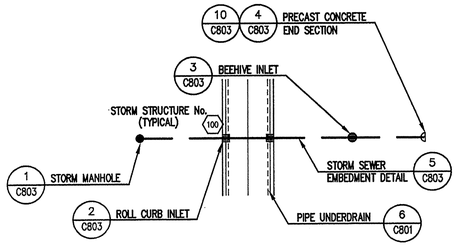
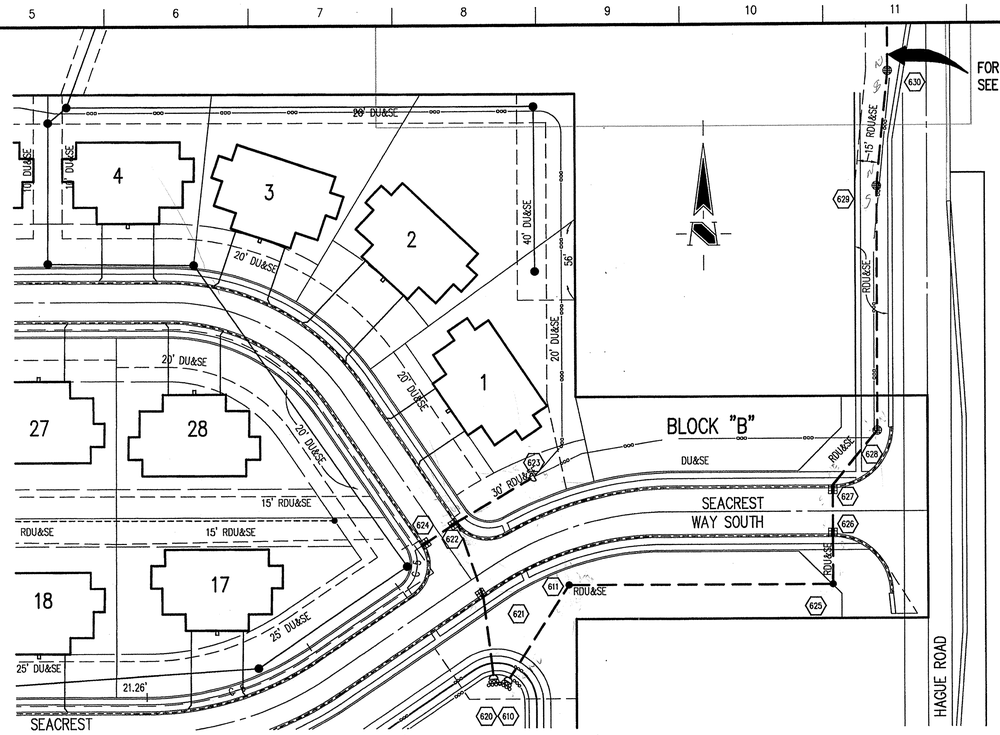


STORM SEWER LEGEND



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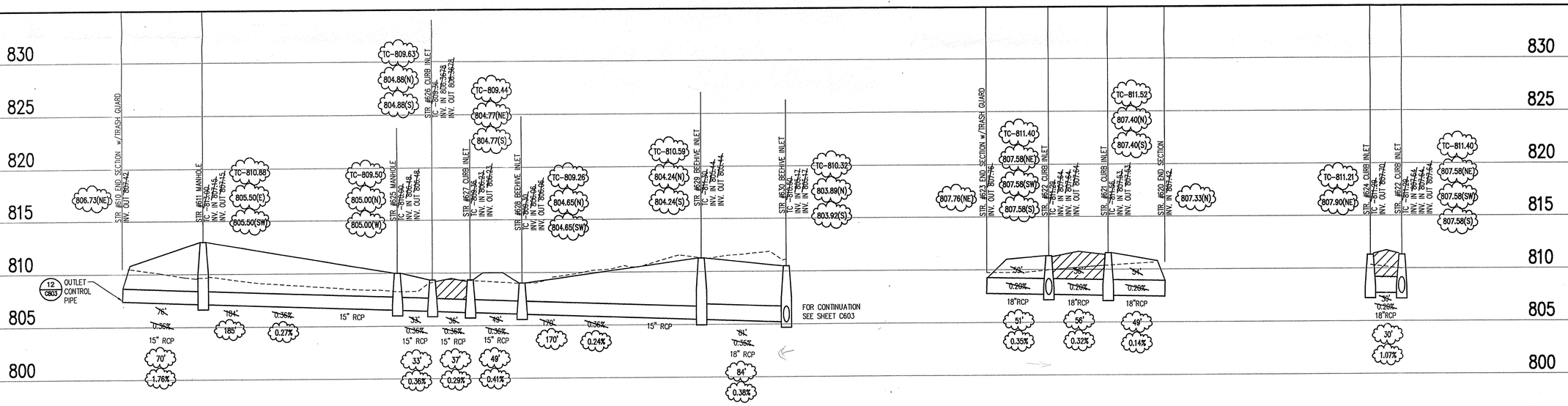
STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER RECORD DRAWING

STORM SEWER PROFILE

LEGEND: Existing Grade | New Grade | Granular Backfill

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

GENERAL NOTES

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4. CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

BENCHMARK

BENCHMARKS

BM = NGS BENCH MARK DISK "E212" (RESET)
ELEV = 796.627
(NGVD 29)

TBM #1 – MAG NAIL 1' UP ON
POWER POLE #189064
ELEV = 809.95
(NGVD 29)

Revisions
1. DWM, 4/12/00-REVISED PROPOSED GRADE BETWEEN STR. #627 & #628.
2. TDK, 4/18/00 – REVISED STREET NAMES
3. TDK, 5/9/00 – ADDED STRUCTURE 630, REVISED PROFILE
4. BGG 6/5/00 ADDED RDU&SE TO STORM
4. BGG 7/20/00 RELOCATED STORM STR #628 AND 629
5. 11/16/00 STORM SEWER "RECORD DRAWING".
6. 04/26/01 MISC. REVISIONS TO "RECORD DRAWING".

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.

L. MAX COOPER REGISTERED NO. 21314 STATE OF INDIANA PROFESSIONAL ENGINEER

CERTIFIED BY L. Max Cooper DATE: 4/24/01
10/25/2000

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STORM SEWER PLAN

Date	Project No.	Drawn	Approv.
1/24/00	2558.001	DCC	

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XREF: 2558BS.DWG
XREF: STORM.DWG

Sheet No. C602

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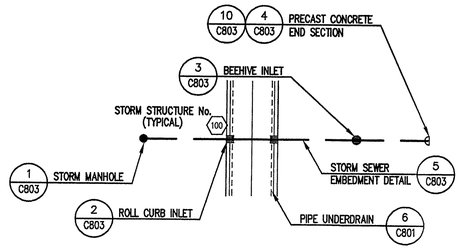
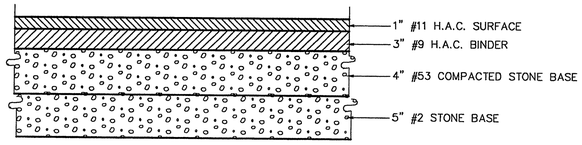


STORM SEWER LEGEND



DAKOTA DRIVE PAVEMENT REPAIR DETAIL

NO SCALE

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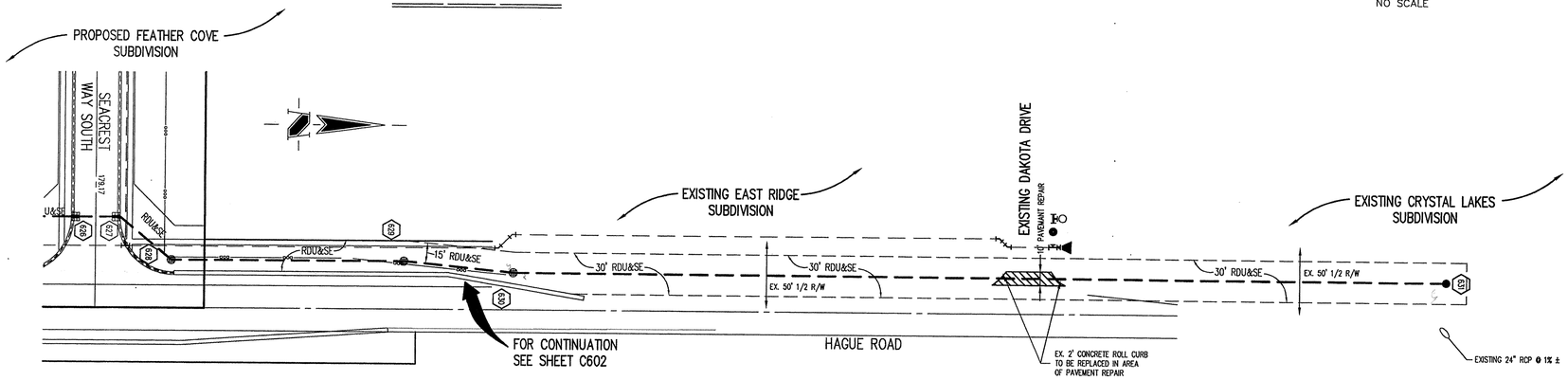
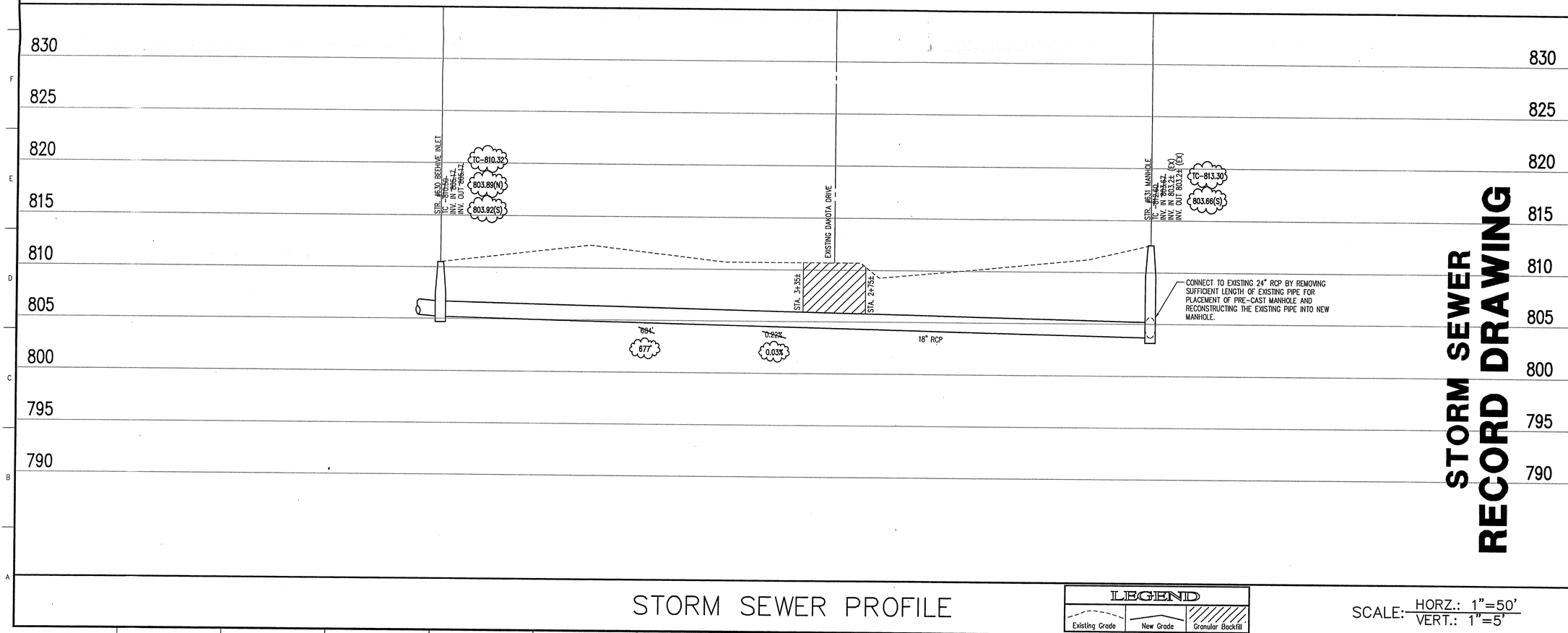


NOTE:
EXISTING UTILITIES SHOWN FOR REFERENCE ONLY AND HAVE BEEN TAKEN FROM SUBDIVISION PLANS FOR EAST RIDGE AND CRYSTAL LAKES. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO CONSTRUCTION.

NOTE:
ALL DISTURBED AREAS TO BE RECONDITIONED TO THEIR ORIGINAL CONDITION, SEEDED AND STRAW MULCHED.

STORM SEWER PLAN

SCALE: 1"=50'



STORM SEWER PROFILE

LEGEND: Existing Grade | New Grade | Granular Backfill

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

STORM SEWER RECORD DRAWING

GENERAL NOTES

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BENCHMARK

BENCHMARKS

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ELEV = 796.627
(NGVD 29)

TBM #1 – MAG NAIL 1' UP ON
POWER POLE #189064
ELEV = 809.95
(NGVD 29)

Revisions
1. BGG 6/5/00 ADDED RDU&SE TO STORM; REVISED NOTE FOR STR. #531
2. 11/16/00 STORM SEWER "RECORD DRAWING".
3. 04/26/01 MISC. REVISIONS TO "RECORD DRAWING".

CERTIFICATION FOR "RECORD DRAWING"

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L. MAX COOPER REGISTERED NO. 21314 STATE OF INDIANA PROFESSIONAL ENGINEER

DATE: 4/26/01
CERTIFIED BY L. Max Cooper 03/23/2000

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STORM SEWER PLAN

Date	Project No.	Drawn	Approv.
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