

**Drain:** OLIVER SHOEMAKER      **Drain #:** 42  
**Improvement/Arm:** HOOPERWAY SECTIONS 6 & 7 RELOCATIONS  
**Operator:** J. WINDGAST      **Date:** 6-16-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 2001

### GIS Drain Input Checklist

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



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*

July 18, 2001

To: Hamilton County Drainage Board

Re: Oliver Shoemaker Drain, Woodberry Section 6 Arm

Attached is a petition and plans for the proposed relocation of the Oliver Shoemaker Drain. The relocation is being proposed by C. P. Morgan Communities L. P.. The proposal is to relocate portions of Arm 1 and Arm 2 through Woodberry, Section 6.

This line will consist of the following:

12" RCP – 64 feet	24" RCP – 217 feet	Open Ditch – 1,450 feet
15" RCP – 228 feet	27" RCP – 170 feet	
18" RCP – 108 feet	30" RCP – 423 feet	
21" RCP – 637 feet	36" RCP – 212 feet	

The open ditch portion listed above is that portion through the detention ponds (lakes 4, 5 and 6) in the common areas within Section 6 of Woodberry. The tile portion of Arm 1 is that located between structures 217, 601, 605, 606, 607, 608, 621, 622, 623, 624, 625, 626, 627, 628, 629 and 630. The tile portion of Arm 2 is that located between structures 602, 603, 604, 221, 801, 818, 819, 820 and 821.

The total length of new drain shall be 3,509 feet. The 2,150 feet of original drain between Sta. 9+50 and Sta. 0 or Arm 1 and Sta. 16+50 to 4+50 of Arm 2 shall be vacated. This proposal will add an additional 1,359 feet to the drains total length.

The cost of the relocation is to be paid by C. P. Morgan Communities L. P.. Because the project is to be paid by the petitioner and is within the boundaries of the petitioner's 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 performance bond as follows:

Name of Bonding Company: Gulf Insurance Company  
Bond Number: BE0949568  
Bond Date: April 30, 2001  
Bond Amount: \$75,551.00  
Bond Term (1 year maximum): April 30, 2003

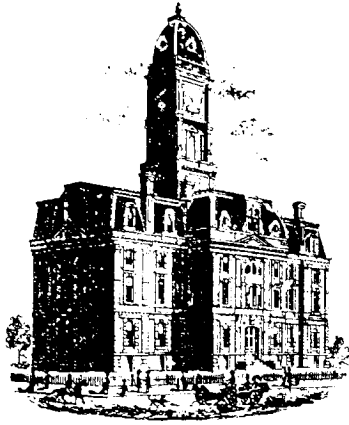
I recommend approval by the Board at this time.

Sincerely,



Kenton C. Ward  
Hamilton County Surveyor

KCW/llm



SURVEYOR'S OFFICE

# Hamilton County

*Kenton C. Ward, CEM*  
*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**

**March 14, 2008**

**Re: Oliver Shoemaker Drain: Woodberry Sec. 6 Arm**

Attached are as-builts, certificate of completion & compliance, and other information for Woodberry Section 6 Arm. 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 18, 2001. The report was approved by the Board at the hearing held July 23, 2001. (See Drainage Board Minutes Book 9, Pages 92-93)  
 The changes are as follows:

Structure:	Length:	Size	Material:	Up Invert:	Dn Invert	Grade:	Changes:
630-629	148	21	RCP	820.87	820.54	0.22	-5
629-628	243	21	RCP	820.54	820.26	0.12	
628-627	217	24	RCP	820.21	820.03	0.08	
627-626	30	27	RCP	820.03	820	0.1	
626-625	41	27	RCP	820	819.98	0.05	1
625-624	100	27	RCP	819.98	819.74	0.24	
624-623	186	30	RCP	819.74	819.62	0.06	-3
623-622	170	36	RCP	819.6	819.45	0.09	3
622-621	42	36	RCP	819.45	819.37	0.19	-3
608-607	47	30	RCP	819.33	819.26	0.15	-2
607-606	68	30	RCP	819.26	818.98	0.41	1
606-605	108	30	RCP	818.98	818.44	0.5	-10
601-803	64	12	RCP	818.32	818.06	0.41	
803-217	59	12	RCP	818.06	817.83	0.39	
604-603	62	21	RCP	818.64	818.6	0.06	
603-602	194	21	RCP	818.6	818.54	0.03	
821-820	143	15	RCP	818.91	818.84	0.05	1
820-819	30	15	RCP	818.84	818.73	0.37	
819-818	107	18	RCP	818.73	818.61	0.11	-1
801-221	46	15	RCP	819.96	819.76	0.43	-10

**RCP Pipe Totals:**

12	123
15	219
18	107
21	647
24	217
27	171
30	212
36	409
<b>Total:</b>	<u>2105</u>

<b>Other Drain:</b>	
Open Ditch	1347
<b>Total:</b>	<u>1347</u>

The length of the drain due to the changes described above is now **3452 feet**.

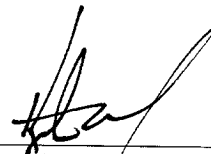
The non-enforcement was approved by the Board at its meeting on July 23, 2001 and recorded under instrument #200100069279.

The following sureties were guaranteed by Gulf Insurance Company and released by the Board on its June 10, 2002 meeting.

**Bond-LC No:** BE0949568  
**Insured For:** Storm Sewers  
**Amount:** \$75,551.00  
**Issue Date:** April 30, 2003

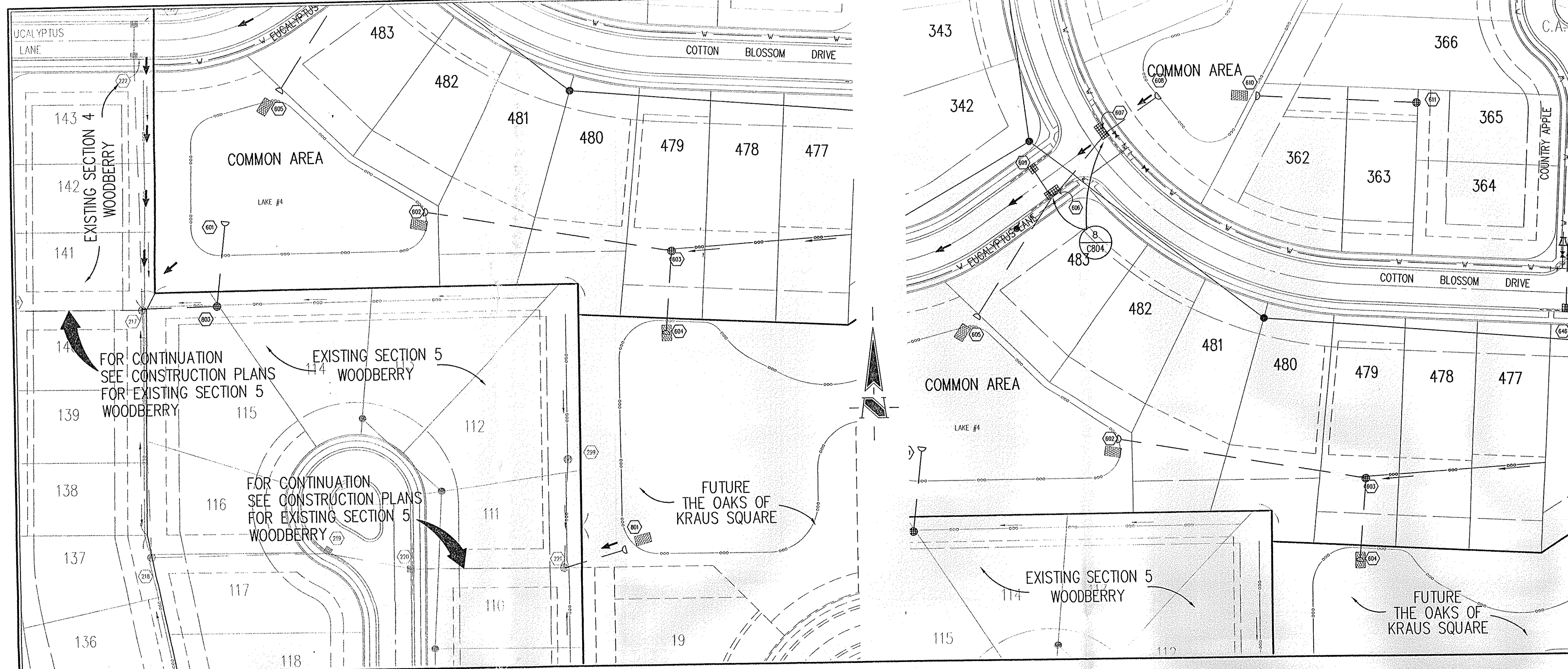
I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,



\_\_\_\_\_  
Kenton C. Ward, CFM  
Hamilton County Surveyor

KCW/slm



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 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.

- 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.
  - REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED HOUSE 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.
  - THE SHOEMAKER FIELD TILE LEGAL DRAIN LOCATION SHOWN IS APPROXIMATE AND COULD BE FOUND ENTIRELY IN A DIFFERENT LOCATION DURING CONSTRUCTION IN THE FIELD. THE FIELD TILE(S) ARE TO BE FOUND AND PERPETUATED INTO THE STORM SEWER SYSTEM OR LAKE. THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED. THE ENGINEER IS TO BE NOTIFIED OF THESE FIELD TILE LOCATIONS AND DEPTHS, BY THE CONTRACTOR. ALL LEGAL DRAIN FIELD TILES PROPOSED FOR ABANDONMENT WILL HAVE TO BE EXPOSED AND DESTROYED.

**LEGEND/DETAILS**

Sheet	Detail	Description
C804	4	Storm Sewer Embedment Detail
C804	2	Roll Curb Inlet Detail
C804	3	Beehive Inlet Detail
C804	1	Storm Manhole Detail
C804	5	Precast Concrete End Section
C805		Riprap Detail @ End Section

**NOTE**

**BENCHMARK**

ISE #19: DISC IN CONCRETE ON NORTH SIDE OF PLANTANA ENTRANCE FROM CUMBERLAND ROAD, WEST OF NORTH ENTRANCE WALL.  
 ELEVATION = 822.35 (NAVD 1988)

TBM#1= R/R SPIKE ON THE EAST FACE OF POWER POLE 8070-642, ON THE WEST SIDE OF HOWE ROAD AT ADDRESS 1449 HOWE ROAD.  
 ELEVATION=829.58 (NAVD 1988)

TBM#2= R/R SPIKE AT THE CENTERLINE OF 141st STREET AND HOWE ROAD.  
 ELEVATION= 828.90 (NAVD 1988)

TBM#3= 5/8" REBAR AT THE CENTER OF 141st STREET AT THE SOUTHWEST CORNER OF THE WOODBERRY (1998'00" WEST OF HOWE ROAD).  
 ELEVATION=828.54 (NAVD 1988)

REVISIONS:  
 1. BELT/06/06/01 RECORD DRAWING

**CERTIFICATION FOR "RECORD DRAWING"**

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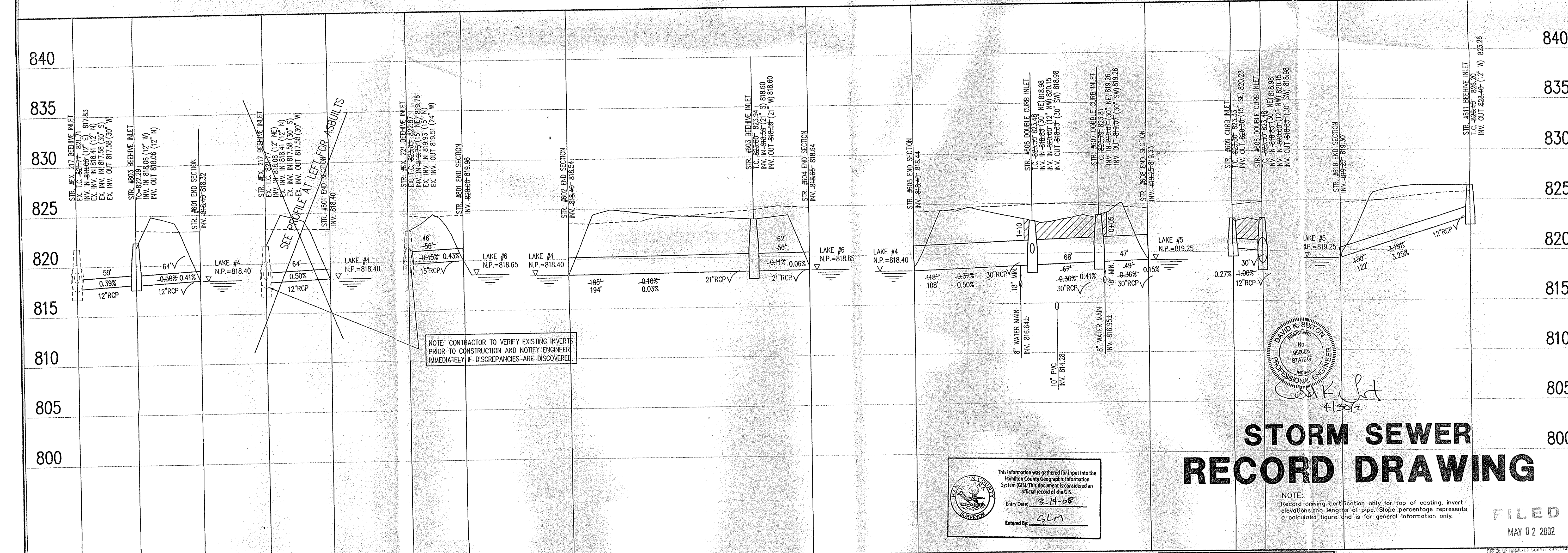
**Schneider**

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 Suite 100  
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**STORM SEWER PLAN**

SCALE: 1"=50'



DAVID S. MORGAN  
 No. 98808085  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 C. P. MORGAN COMMUNITIES, L.P.  
 4/30/02

**STORM SEWER 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.

**FILED**  
 MAY 02 2002

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 Entry Date: 3-14-08  
 Entered By: GLM

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

SCALE:  $\frac{HORIZ.: 1"=50'}{VERT.: 1"=5'}$

**STORM SEWER PROFILE**

**WOODBERRY SECTION 6**  
 FISHERS, INDIANA  
 C. P. MORGAN COMMUNITIES, L.P.  
 CARMEL, INDIANA

DATE: 3/30/01 PROJECT NO.: 1824.006  
 DRAWN BY: MG CHECKED BY:  
 SHEET TITLE: STORM SEWER PLAN & PROFILE  
 DRAWING FILES:  
 N:\1824\006\DWG\C601.DWG  
 XREF: 0068.DWG  
 XREF: 0078.DWG  
 XREF: 04K-SULLING  
 XREF: WDRWEST.DWG  
 XREF: STORM.DWG  
 SHEET NO.: **C601**

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DAYS BEFORE COMMENCING WORK.

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CB04 2	Roll Curb Inlet Detail
CB04 3	Beehive Inlet Detail
CB04 1	Storm Manhole Detail
CB04 5	Precast Concrete End Section
CB05	RipRap Detail @ End Section

**NOTE**

**BENCHMARK**

ISE #19: DISC IN CONCRETE ON NORTH SIDE OF PLANTANA ENTRANCE FROM CUMBERLAND ROAD, WEST OF NORTH ENTRANCE WALL. ELEVATION = 822.36 (NAVD 1988)

TBM#1= R/R SPIKE ON THE EAST FACE OF POWER POLE #070-642, ON THE WEST SIDE OF HOME ROAD AT ADDRESS 1449 HOME ROAD. ELEVATION=823.58 (NAVD 1988)

TBM#2= R/R SPIKE AT THE CENTERLINE OF 14th STREET AND HOWE ROAD. ELEVATION= 828.90 (NAVD 1988)

TBM#3= 5/8" REBAR AT THE CENTER OF 14th STREET AT THE SOUTHWEST CORNER OF THE PROPERTY. (1299.98' WEST OF HOME ROAD). ELEVATION=828.54 (NAVD 1988)

**CERTIFICATION FOR "RECORD DRAWING"**

DAVID K. SEXTON  
REGISTERED  
No. 9500028  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

DATE: 4/25/12

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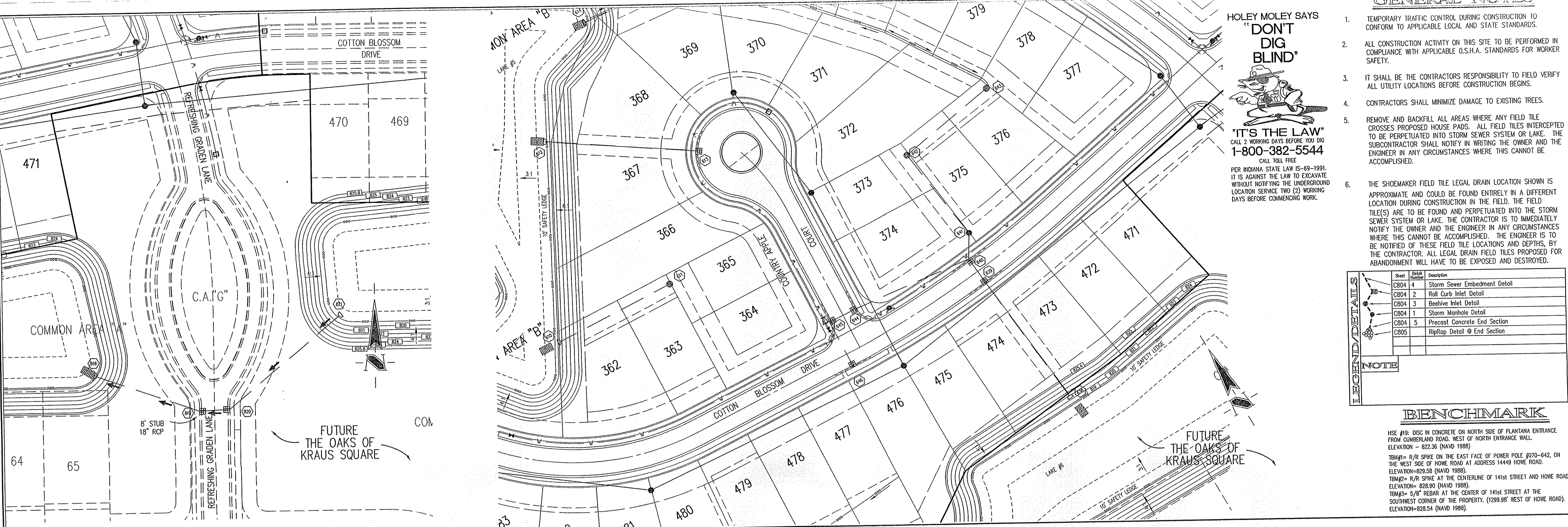
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**WOODBERRY SECTION 6**  
FISHERS, INDIANA  
C. P. MORGAN COMMUNITIES, L.P.  
CARMEL, INDIANA

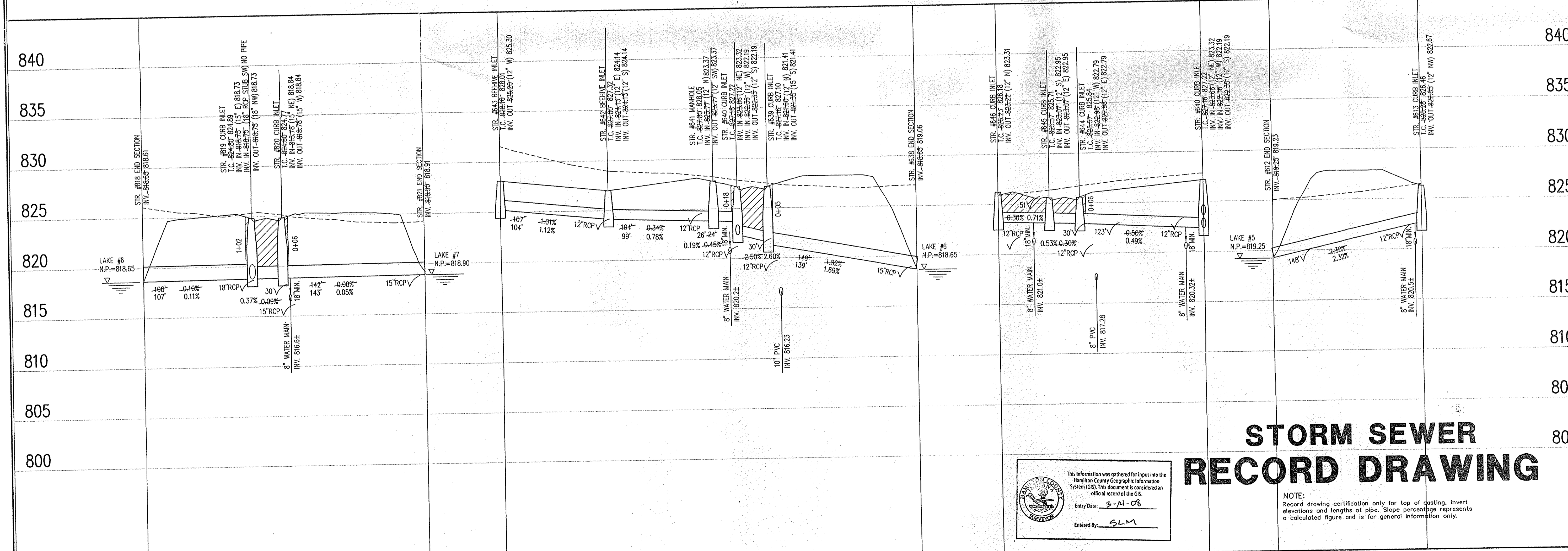
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XREF: 00885.DWG	
XREF: WDRWES.DWG	
XREF: STORM.DWG	
OFFICE OF IS	
SHEET NO.:	

**C602**



**STORM SEWER PLAN**

SCALE: 1"=50'



**STORM SEWER PROFILE**

**STORM SEWER RECORD DRAWING**

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Entry Date: 3-11-08  
Entered By: SLM

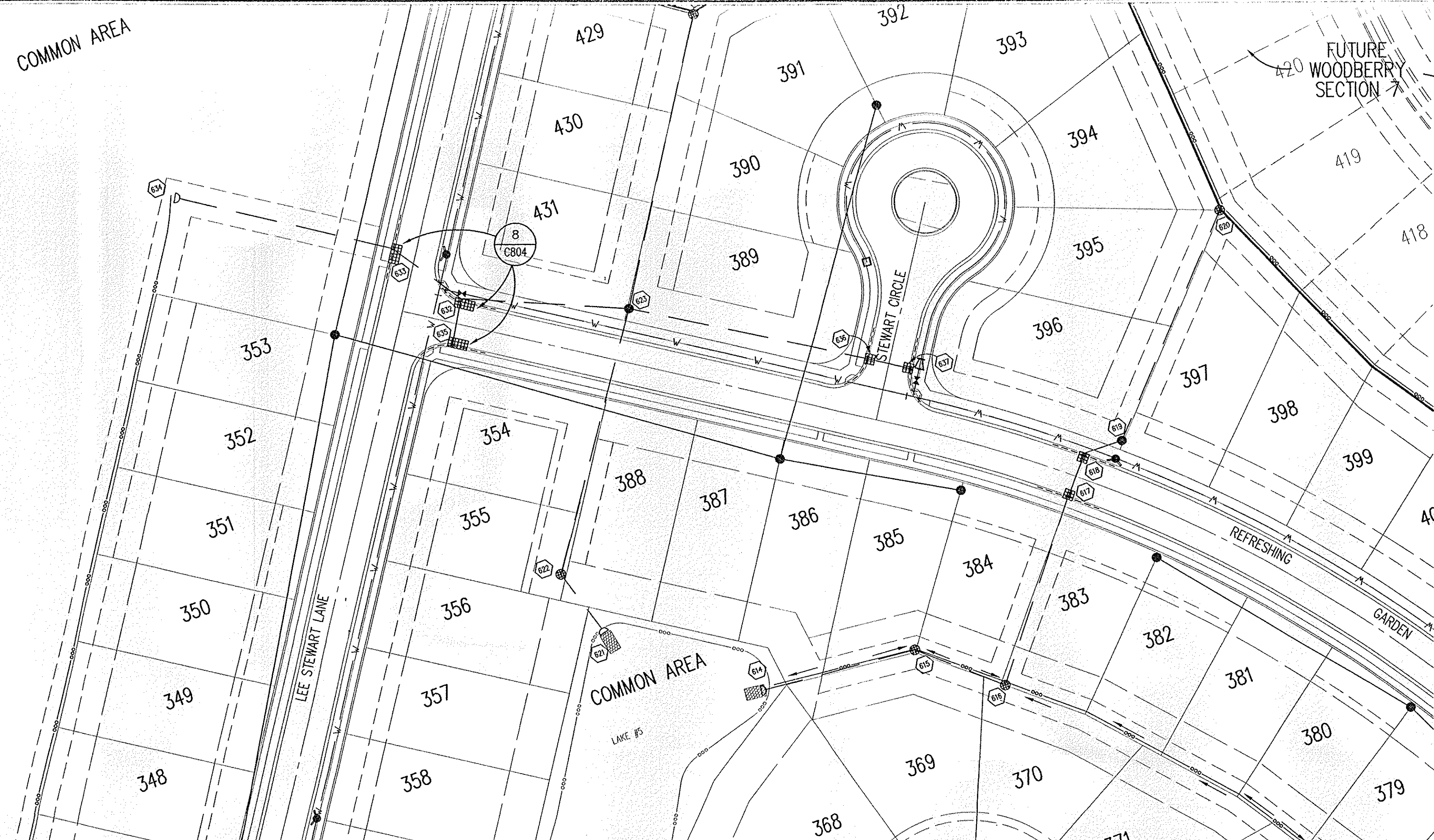
**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**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.

COMMON AREA



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**"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  
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**GENERAL NOTES**

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C804	2	Roll Curb Inlet Detail
C804	3	Beehive Inlet Detail
C804	4	Storm Manhole Detail
C804	5	Precast Concrete End Section
C805	1	Rip/Rap Detail @ End Section

**NOTE**

**BENCHMARK**

HSE #18: DISC IN CONCRETE ON NORTH SIDE OF PLANTANA ENTRANCE FROM CUMBERLAND ROAD, WEST OF NORTH ENTRANCE WALL.  
 ELEVATION = 822.38 (NAVD 1988)

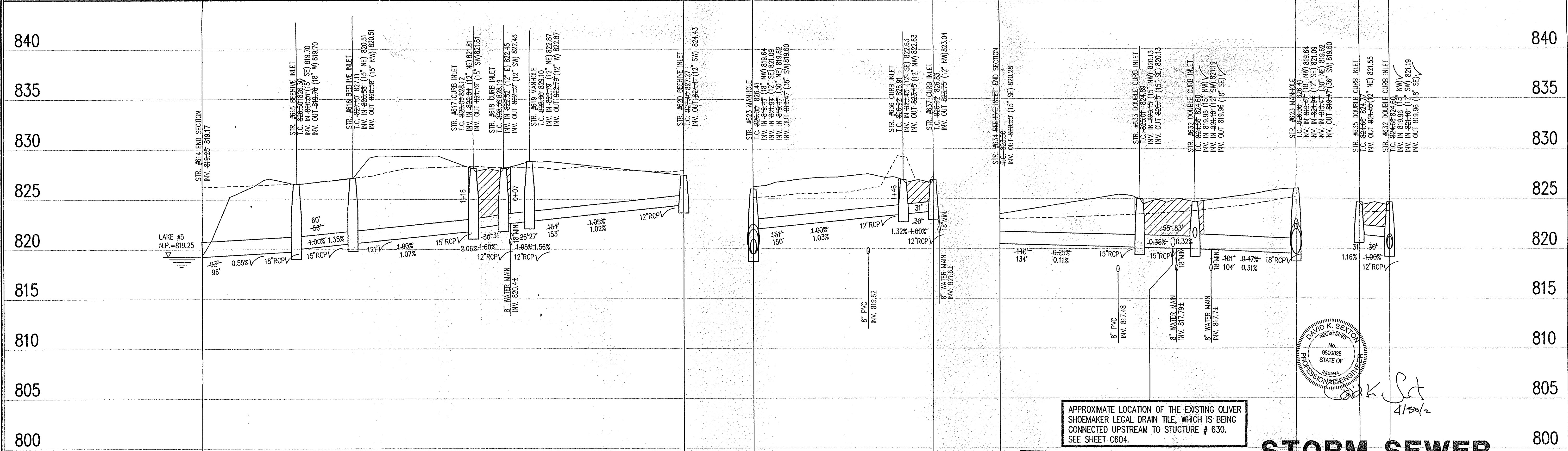
TM#1 = R/R SPIKE ON THE EAST FACE OF POWER POLE #070-642, ON THE WEST SIDE OF HOWE ROAD AT ADDRESS 14449 HOWE ROAD.  
 ELEVATION=829.58 (NAVD 1988)

TM#2 = R/R SPIKE AT THE CENTERLINE OF 141st STREET AND HOWE ROAD.  
 ELEVATION= 828.90 (NAVD 1988)

TM#3 = 5/8" REBAR AT THE CENTER OF 141st STREET AT THE SOUTHWEST CORNER OF THE PROPERTY, (2292.50' WEST OF HOWE ROAD).  
 ELEVATION=828.54 (NAVD 1988)

**STORM SEWER PLAN**

SCALE: 1"=50'



APPROXIMATE LOCATION OF THE EXISTING OLIVER SHOEMAKER LEGAL DRAIN TILE, WHICH IS BEING CONNECTED UPSTREAM TO STRUCTURE # 630. SEE SHEET C604.

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 Entry Date: 3-14-08  
 Entered By: SLM

**STORM SEWER RECORD DRAWING**

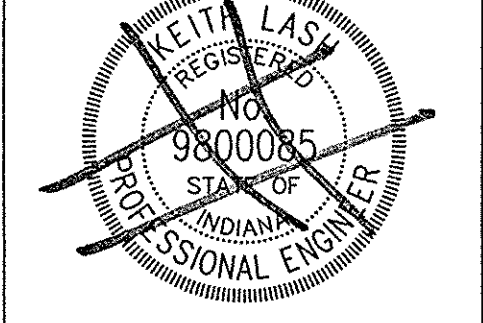
**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

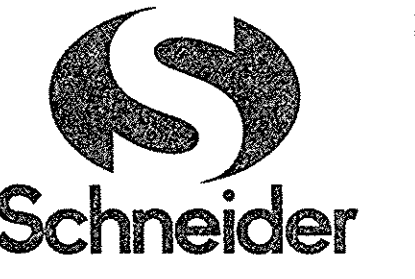
SCALE: HORZ.: 1"=50'  
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**STORM SEWER PROFILE**

**CERTIFICATION FOR "RECORD DRAWING"**



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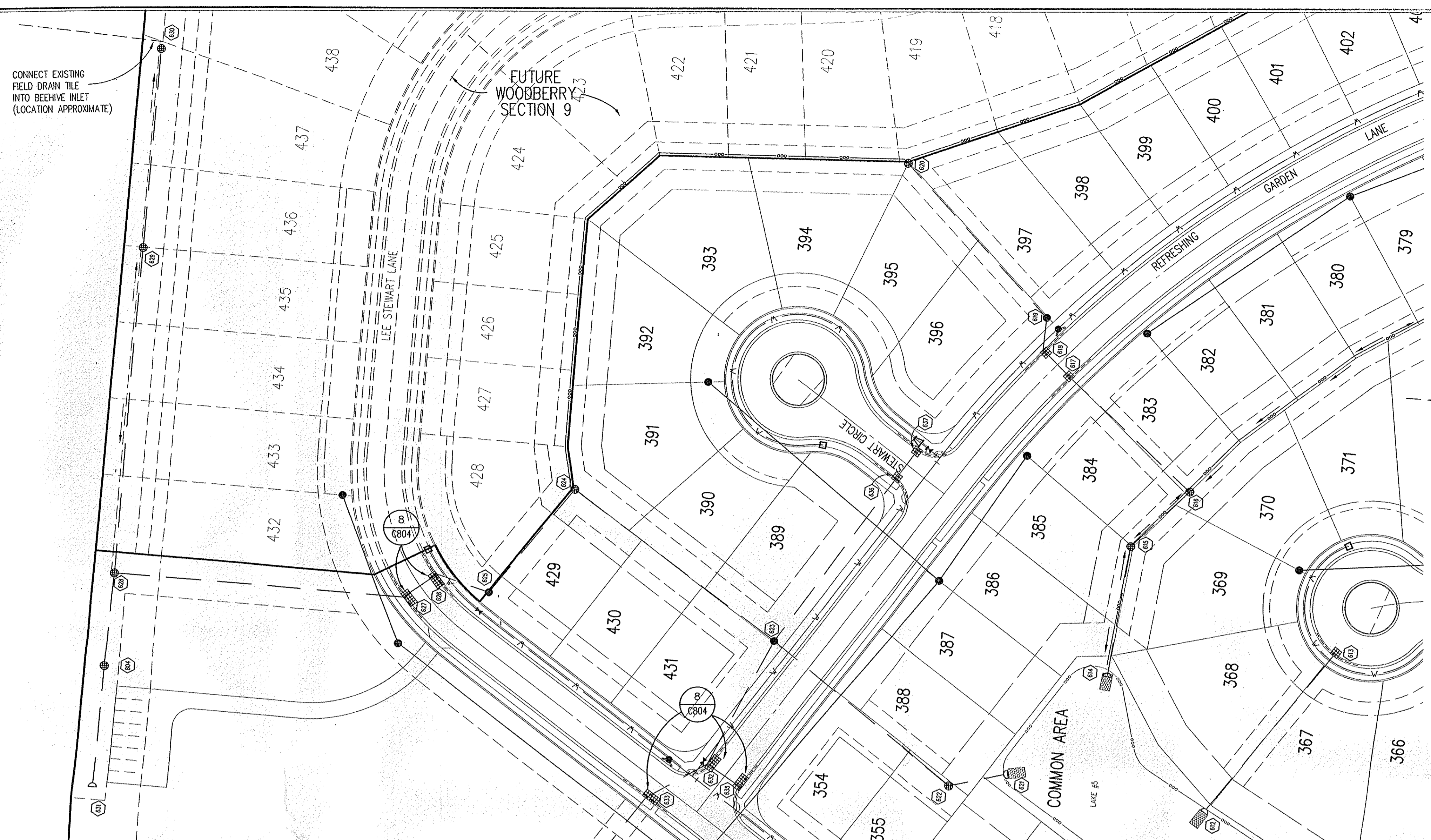
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**WOODBERRY SECTION 6**  
 FISHERS, INDIANA  
 C. P. MORGAN COMMUNITIES, L.P.  
 CARMEL, INDIANA

DATE: 3/30/01	PROJECT NO.: 1824.006
DRAWN BY: MG	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILE: N:\VBA\DWG\DWG\C603.DWG	
XREF: 00685.DWG	
XREF: 00785.DWG	
XREF: 0M-SOLID.DWG	
XREF: WDRWEST.DWG	
XREF: STORM.DWG	
MAY 02 2002	
SHEET NO.: C603	



CONNECT EXISTING FIELD DRAIN TILE INTO BEEHIVE INLET (LOCATION APPROXIMATE)



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 CALL 2 WORKING DAYS BEFORE YOU DIG  
**1-800-382-5544**  
 CALL TOLL FREE  
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  - THE SHOEMAKER FIELD TILE LEGAL DRAIN LOCATION SHOWN IS APPROXIMATE AND COULD BE FOUND ENTIRELY IN A DIFFERENT LOCATION DURING CONSTRUCTION IN THE FIELD. THE FIELD TILE(S) ARE TO BE FOUND AND PERPETUATED INTO THE STORM SEWER SYSTEM OR LAKE. THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE OWNER AND THE ENGINEER IN ANY CIRCUMSTANCES WHERE THIS CANNOT BE ACCOMPLISHED. THE ENGINEER IS TO BE NOTIFIED OF THESE FIELD TILE LOCATIONS AND DEPTHS, BY THE CONTRACTOR. ALL LEGAL DRAIN FIELD TILES PROPOSED FOR ABANDONMENT WILL HAVE TO BE EXPOSED AND DESTROYED.

**LEGEND/DETAILS**

Sheet	Detail	Description
C804 4	Storm Sewer Embedment Detail	
C804 2	Roll Curb Inlet Detail	
C804 3	Beehive Inlet Detail	
C804 1	Storm Manhole Detail	
C804 5	Precast Concrete End Section	
C805	RipRap Detail @ End Section	

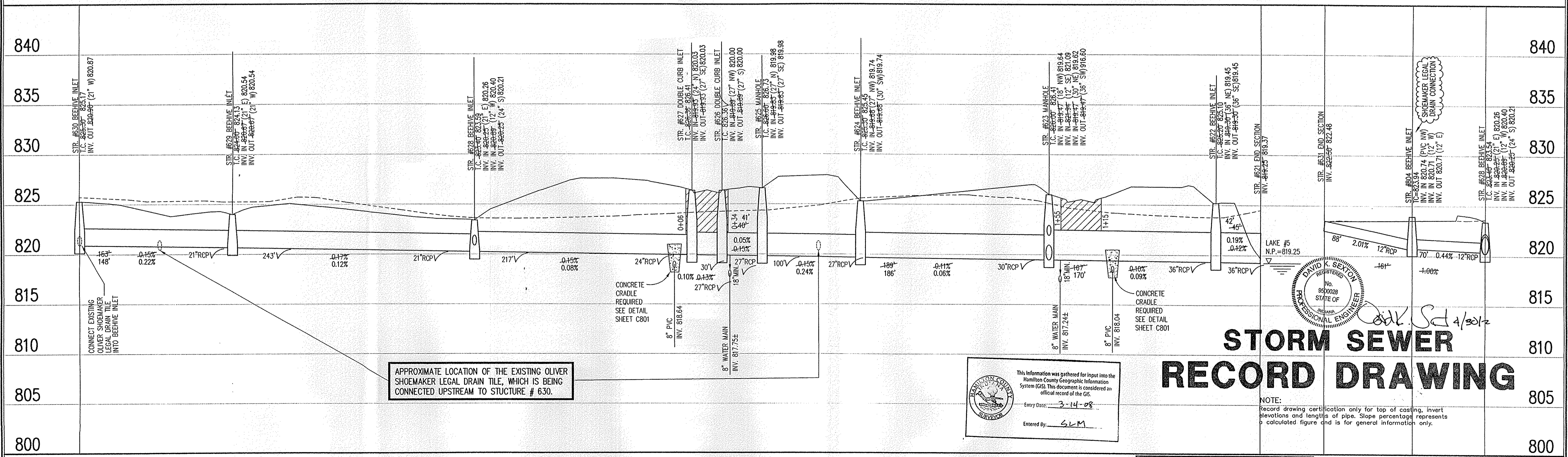
**NOTE**

**BENCHMARK**

HSE #19: DISC IN CONCRETE ON NORTH SIDE OF PLANTANA ENTRANCE FROM CUMBERLAND ROAD, WEST OF NORTH ENTRANCE WALL. ELEVATION = 822.36 (NAVD 1988)  
 TBM#1= R/R SPIKE ON THE EAST FACE OF POWER POLE #070-642, ON THE WEST SIDE OF HOME ROAD AT ADDRESS 1449 HOME ROAD. ELEVATION=829.58 (NAVD 1988)  
 TBM#2= R/R SPIKE AT THE CENTERLINE OF 141st STREET AND HOME ROAD. ELEVATION= 828.90 (NAVD 1988).  
 TBM#3= 5/8" REBAR AT THE CENTER OF 141st STREET AT THE SOUTHWEST CORNER OF THE PROPERTY. (1299.98' WEST OF HOME ROAD). ELEVATION=828.54 (NAVD 1988).

**STORM SEWER PLAN**

SCALE: 1"=50'



APPROXIMATE LOCATION OF THE EXISTING OLVER SHOEMAKER LEGAL DRAIN TILE, WHICH IS BEING CONNECTED UPSTREAM TO STRUCTURE # 630.

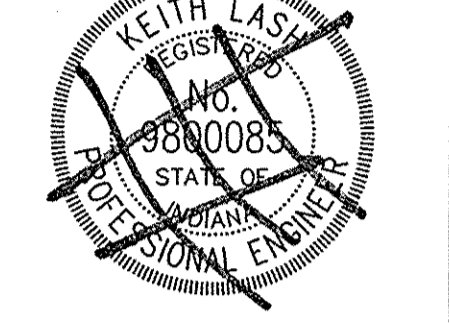
This information was gathered for input into the Hamilton County Geographic Information System (GIS). This document is considered an official record of the GIS.  
 Entry Date: 3-14-08  
 Entered By: SLM

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

**CERTIFICATION FOR RECORD DRAWING**



DATE:  
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 Landscape Architecture  
 Transportation Engineering

**WOODBERRY SECTION 6**  
 FISHERS, INDIANA  
 C. P. MORGAN COMMUNITIES, L.P.  
 CARMEL, INDIANA

DATE: 3/30/01	PROJECT NO.: 1824.006
DRAWN BY: MG	CHECKED BY:
SHEET TITLE: STORM SEWER PLAN & PROFILE	
DRAWING FILES: H:\1824\WOOD\DWG\CS604.DWG XREF: 00685.DWG XREF: 00785.DWG XREF: 00835.DWG XREF: WDBRWS1.DWG XREF: STORM.DWG	
MAY 02 2002	
SHEET NO. 6 OF 6 HAMILTON COUNTY SURVEYOR	
<b>C604</b>	

**STORM SEWER PROFILE**



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

July 18, 2001

To: Hamilton County Drainage Board

Re: Oliver Shoemaker Drain, Woodberry Section 7

Attached is a petition and plans for the proposed relocation of the Oliver Shoemaker Drain. The relocation is being proposed by C. P. Morgan Communities, L.P. The Proposal is to relocate the remaining portion of Arm 2 through Woodberry, Section 7.

This line will consist of the following:

12" RCP – 52 feet

Open Ditch – 410 feet

The open ditch portion listed above is that portion through the detention pond (lake 7). The tile portion of Arm 2 is that located between structures 674 and 675.

The total length of the new drain shall be 462 feet. The 450 feet of original drain between Sta. 4+50 and Sta. 0+00 of Arm 2 shall be vacated. This proposal will add an additional 12 feet to the drains total length.

The cost of the relocation is to be paid by C. P. Morgan Communities, L.P.. Because the project is to be paid by the petitioner and is within the boundaries of the petitioner's 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 performance bond as follows:

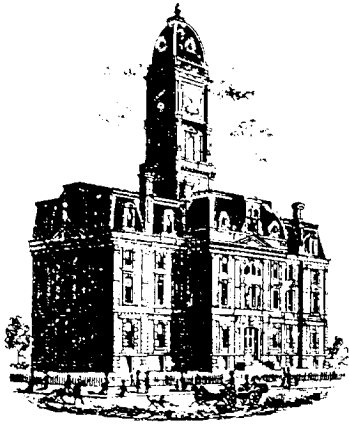
Name of Bonding Company:	Gulf Insurance Company
Bond Number:	BE1835168
Bond Date:	June 20, 2001
Bond Amount:	\$2,056.30
Bond Term (1 year maximum):	June 20, 2003

I recommend approval by the Board at this time.

Sincerely,

Kenton C. Ward  
Hamilton County Surveyor

KCW/llm



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**

**March 19, 2008**

**Re: Oliver Shoemaker: Woodberry Sec. 7 Relocation**

Attached are as-builts, certificate of completion & compliance, and other information for Woodberry Sec. 7 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 July 18, 2001. The report was approved by the Board at the hearing held July 23, 2001. (See Drainage Board Minutes Book 6, Page 93)

The changes are as follows:

The 12" RCP between Str 674 and 675 was lengthend from 52 feet to 54 feet.

The length of the drain due to the changes described above is now **464 feet**. The original Arm 2 to the Oliver Shoemaker Drain was vacated between Sta 0 – Sta 4+50. Therefore, 14 feet was added to the drain's overall length.

The non-enforcement was approved by the Board at its meeting on October 28, 2002 and recorded under instrument # 200300011403.

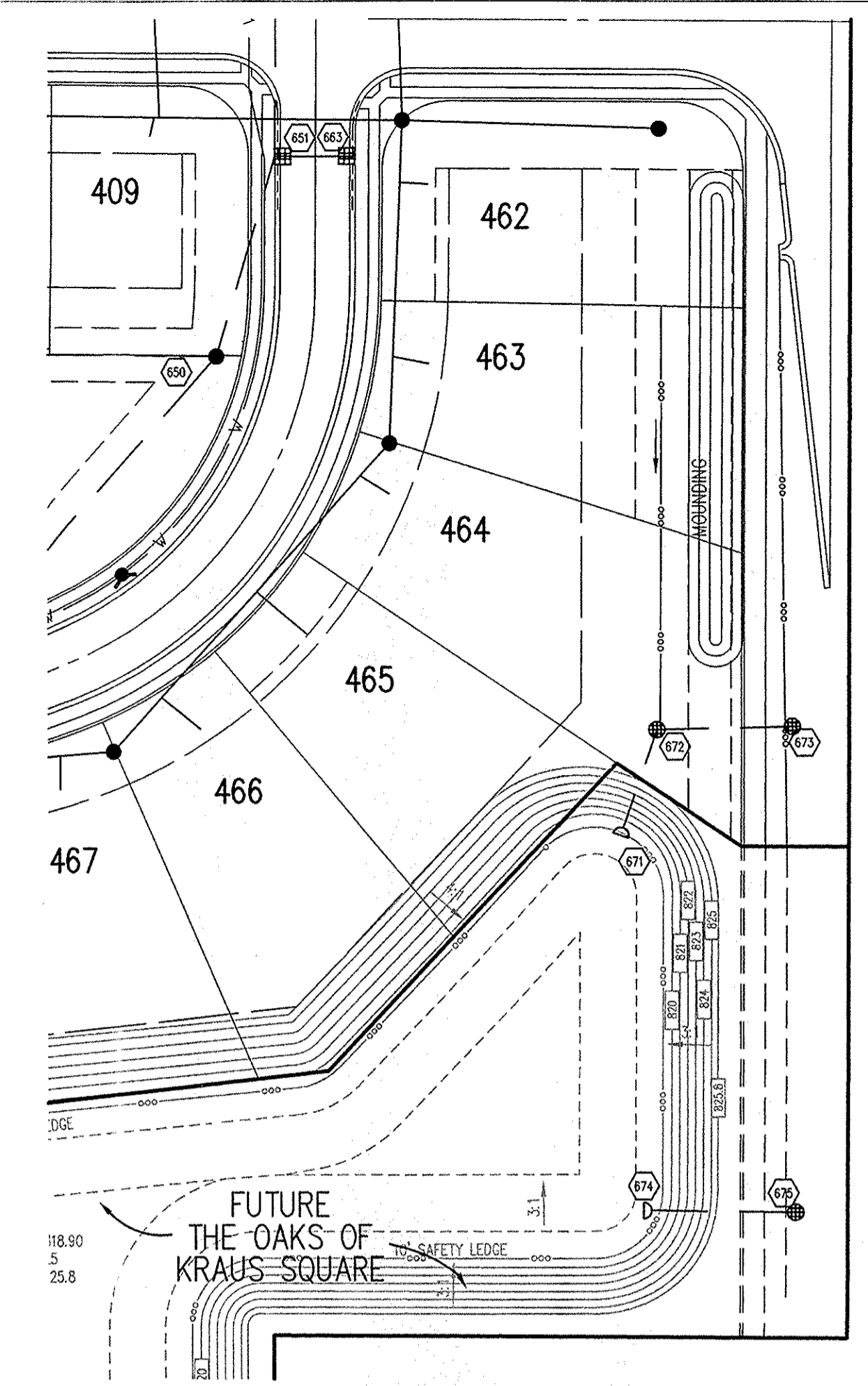
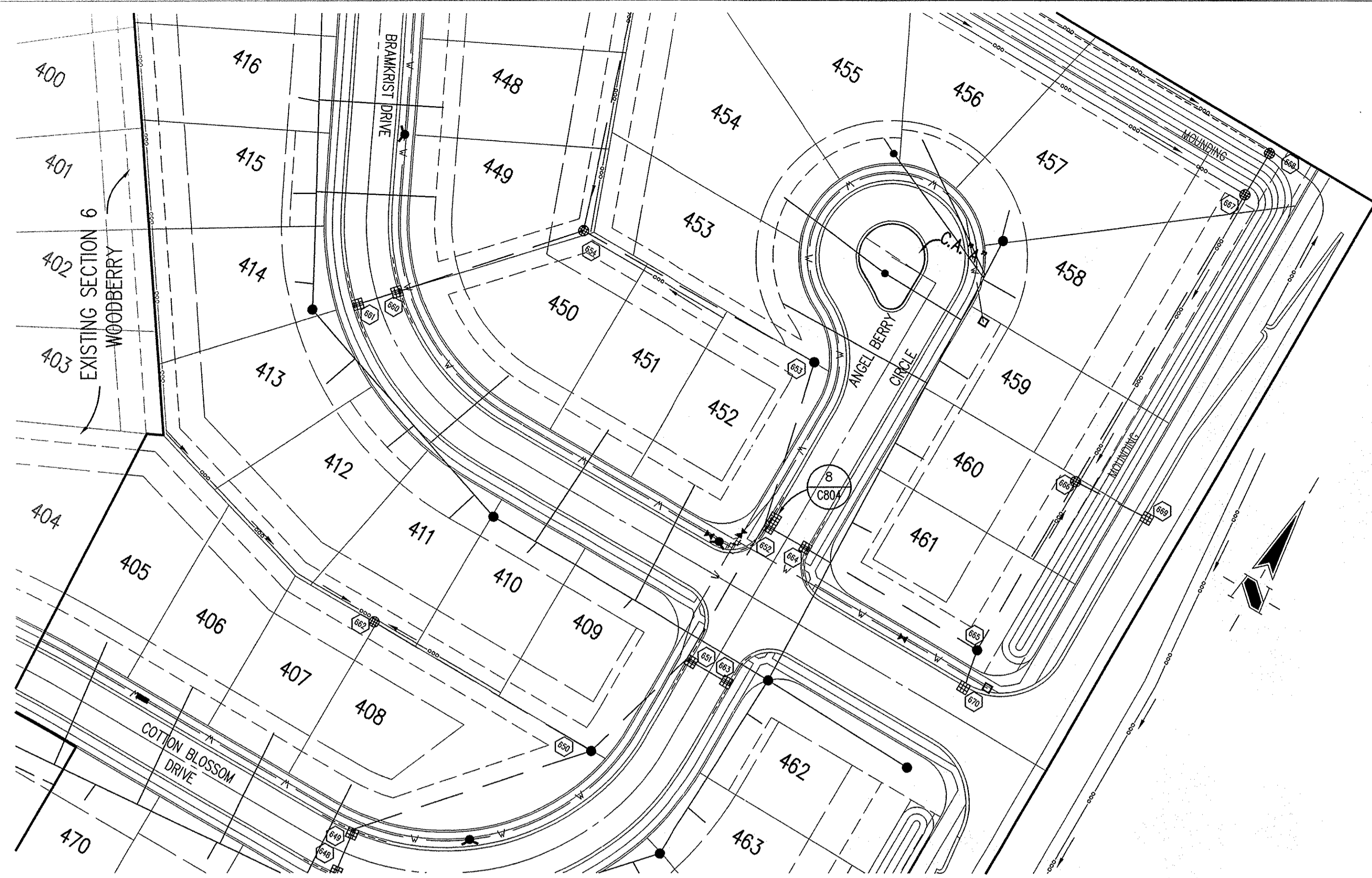
The following sureties were guaranteed by Gulf Insurance Company and released by the Board on its June 10, 2002 meeting.

**Bond-LC No:** BE1835168  
**Insured For:** Storm Sewers  
**Amount:** \$2056.00  
**Issue Date:** June 20, 2001

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

Sincerely,

Kenton C. Ward, CFM  
Hamilton County Surveyor



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**

- 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.
- REMOVE AND BACKFILL ALL AREAS WHERE ANY FIELD TILE CROSSES PROPOSED HOUSE 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.
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**LEGEND/DETAILS**

Sheet	Detail Number	Description
C804	4	Storm Sewer Embedment Detail
C804	2	Rail Curb Inlet Detail
C804	3	Beehive Inlet Detail
C804	1	Storm Manhole Detail
C804	5	Precast Concrete End Section
C805		RipRap Detail @ End Section

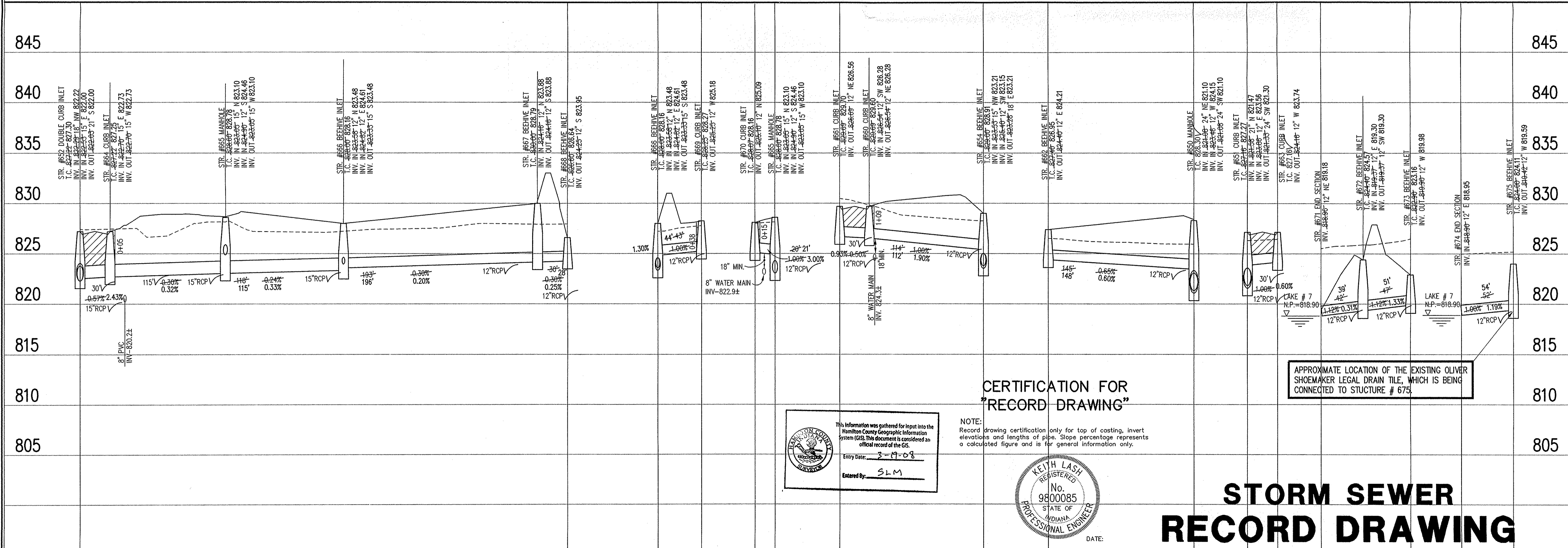
**NOTE**

**BENCHMARK**

USE #16 DSGC IN CONCRETE ON NORTH SIDE OF PLANTANA ENTRANCE FROM CUMBERLAND ROAD, WEST OF NORTH ENTRANCE WALL.  
 ELEVATION = 822.36 (NAVD 1988)  
 TBM#1 = R/R SPIKE ON THE EAST FACE OF POWER POLE #070-642, ON THE WEST SIDE OF HOWE ROAD AT ADDRESS 14449 HOWE ROAD.  
 ELEVATION = 829.58 (NAVD 1988)  
 TBM#2 = R/R SPIKE AT THE CENTERLINE OF 141st STREET AND HOWE ROAD.  
 ELEVATION = 828.90 (NAVD 1988)  
 TBM#3 = 5/8" REBAR AT THE CENTER OF 141st STREET AT THE SOUTHWEST CORNER OF THE PROPERTY, (1299.98' WEST OF HOWE ROAD).  
 ELEVATION = 828.54 (NAVD 1988).

**STORM SEWER PLAN**

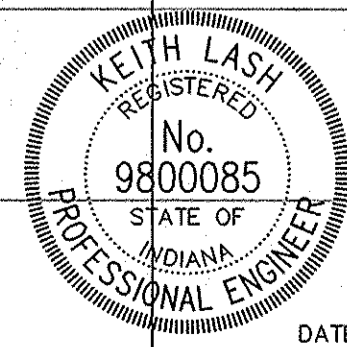
SCALE: 1"=50'



**CERTIFICATION FOR "RECORD DRAWING"**

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 Entry Date: 3-17-08  
 Entered By: SLM

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.



DATE:

APPROXIMATE LOCATION OF THE EXISTING OLIVER SHOEMAKER LEGAL DRAIN TILE, WHICH IS BEING CONNECTED TO STRUCTURE # 675.

**STORM SEWER RECORD DRAWING**

**LEGEND**

	Existing Grade
	New Grade
	Granular Backfill

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

REVISIONS:  
 1. DATE: 08/06/01. ADDED WATER CROSSING BETWEEN STR. # 655 & 670.  
 2. RET. 08/27/01. "RECORD DRAWING"

**KEITH LASH**  
 REGISTERED  
 No. 9800085  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER

DATE:  
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**WOODBERRY SECTION 7**  
 FISHERS, INDIANA  
 C. P. MORGAN COMMUNITIES, L.P.  
 CARMEL, INDIANA

DATE: 4/30/01 PROJECT NO.: 1824.007  
 DRAWN BY: MG CHECKED BY:  
 SHEET TITLE: STORM SEWER PLAN & PROFILE  
 DRAWING FILES:  
 N:\1824\007\DWG\C602.DWG  
 XREF: C602.DWG  
 XREF: 007BS.DWG  
 XREF: OAK-SQU.DWG  
 XREF: WDRWEST.DWG  
 XREF: STORM.DWG  
 SHEET NO.: C602