

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 17, 2003

TO: Hamilton County Drainage Board

RE: Canal Place, Section 3

Attached is a petition filed by Marina Limited Partnership along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Canal Place, Section 3 Drain to be located in Fall Creek Township. I have reviewed the submittals and petition and have found each to be in proper form.

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

|         |           |         |         |
|---------|-----------|---------|---------|
| 6" SSD  | 2,088 ft. | 15" RCP | 199 ft. |
| 12" RCP | 25 ft.    | 18" RCP | 139 ft. |

The total length of the drain will be 2,451 feet.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

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 \$ \$50.00 per platted lot, \$10.00 per acre for roadways, with a \$50.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$ 1,036.00

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties which are in the form of a Performance Bond/Letter of Credit are as follows:

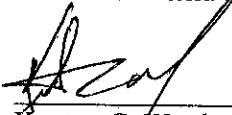
Agent: Fifth Third Bank  
Date: August 25, 2003  
Number: CIS401706  
For: Storm Sewer & SSD  
Amount: \$28,800.00

Agent: Fifth Third Bank  
Date: August 25, 2003  
Number: CIS401704  
For: Erosion Control  
Amount: \$6,000.00

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

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Canal Place, Section 3 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 26, 2004.

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

KCW/pll

STATE OF INDIANA )  
 )  
COUNTY OF HAMILTON )

TO: HAMILTON COUNTY DRAINAGE BOARD  
% Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

In the matter of Canal Place Subdivision,  
Section 3 Drain Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in Canal Place, a subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefited thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.

**FILED**  
AUG 13 2001

OFFICE OF HAMILTON COUNTY SURVEYOR



HCDB-2003-00065

LETTER OF CREDIT NO. CIS401705

PAGE 1

ISSUING BANK:  
FIFTH THIRD BANK, INDIANA, (CENTRAL)

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

APPLICANT:  
THE MARINA LIMITED PARTNERSHIP  
11691 FALL CREEK ROAD  
INDIANAPOLIS, IN 46256

LETTER OF CREDIT NO: CIS401705  
ISSUE DATE: AUGUST 25, 2003  
EXPIRATION DATE: AUGUST 25, 2004  
EXPIRATION PLACE: AT OUR COUNTERS  
AMOUNT: 2,500.00 USD TWO THOUSAND FIVE HUNDRED 00/100



WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. CIS401705 IN YOUR FAVOR, AT THE REQUEST AND FOR THE ACCOUNT OF MARINA LIMITED PARTNERSHIP, 11691 FALL CREEK ROAD, INDIANAPOLIS, IN 46256 FOR ANY SUM OR SUMS NOT EXCEEDING \$2,500.00, AVAILABLE UPON PRESENTATION BY THE DIRECTOR OF HAMILTON COUNTY BOARD OF COMMISSIONERS, OR ANY EMPLOYEE ACTING UNDER HIS AUTHORITY, OF A LETTER SIGNED BY THE DIRECTOR OF HAMILTON COUNTY BOARD OF COMMISSIONERS ENUMERATING ANY AND ALL IMPROVEMENTS NOT COMPLETED AS REQUIRED FOR MONUMENTATION FOR CANAL PLACE, SECTION 3. THE LETTER SHALL ALSO INDICATE THE ESTIMATED COST OF COMPLETING IMPROVEMENTS.

THE DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST STATE, "DRAWN UNDER LETTER OF CREDIT NO. CIS401705 OF FIFTH THIRD BANK, INDIANA, (CENTRAL), DATED AUGUST 25, 2003." THE AMOUNT OF THE DRAFTS MUST BE NOTED ON THE BACK OF THIS LETTER OF CREDIT BY THE NEGOTIATING BANK AND/OR AGENCY.

THIS LETTER OF CREDIT IS EFFECTIVE AS OF AUGUST 25, 2003, AND SHALL EXPIRE ON AUGUST 25, 2004, BUT SUCH EXPIRATION DATE SHALL BE AUTOMATICALLY EXTENDED FOR A PERIOD OF ONE YEAR, ON AUGUST

LETTER OF CREDIT NO. CIS401705

PAGE 2

25, 2004, AND ON EACH SUCCESSIVE EXPIRATION DATE, UNLESS A RELEASE IS RECEIVED FROM HAMILTON COUNTY BOARD OF COMMISSIONERS, OR WE NOTIFY BOTH HAMILTON COUNTY BOARD OF COMMISSIONERS AND THE MARINA LIMITED PARTNERSHIP BY CERTIFIED MAIL, AT LEAST SIXTY (60) 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 OF CREDIT SHALL BE AVAILABLE TO HAMILTON COUNTY BOARD OF COMMISSIONERS UPON ITS SIGHT DRAFT OR DEMAND FOR PAYMENT FOR SIXTY (60) DAYS AFTER RECEIPT OF SUCH NOTICE BY HAMILTON COUNTY BOARD OF COMMISSIONERS, AS SHOWN ON THE SIGNED RETURN RECEIPT.

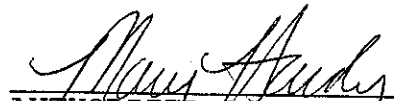
THE CREDIT ESTABLISHED BY THIS LETTER AND OUR OBLIGATION TO PAY SAME SHALL NOT BE AFFECTED BY THE RECEIVERSHIP, BANKRUPTCY OR INSOLVENCY OF THE MARINA LIMITED PARTNERSHIP OR THE ATTACHMENT OF HIS/HER PROPERTY. NOR SHALL THIS CREDIT OR OUR OBLIGATION TO PAY SAME BE AFFECTED BY ANY SECURITY AGREEMENT BETWEEN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

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

ALL BANK CHARGES OTHER THAN THOSE OF FIFTH THIRD BANK ARE FOR THE ACCOUNT OF THE BENEFICIARY.

WE ENGAGE WITH YOU THAT DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS CREDIT WILL BE HONORED IF NEGOTIATED OR PRESENTED DURING BUSINESS HOURS ON OR BEFORE THE EXPIRATION DATE AT: FIFTH THIRD BANK, INTERNATIONAL TRADE SERVICES, 38 FOUNTAIN SQUARE PLAZA, MD10903C, CINCINNATI, OH 45263.

THIS LETTER OF CREDIT IS SUBJECT TO THE INTERNATIONAL STANDBY PRACTICES/ISP98, ICC PUBLICATION NO. 590.

  
AUTHORIZED SIGNATURE  
AUTHORIZED SIGNATURE

FILED

AUG 27 2003

OFFICE OF THE COUNTY CLERK



HCDB-2003-00066

LETTER OF CREDIT NO. CIS401706

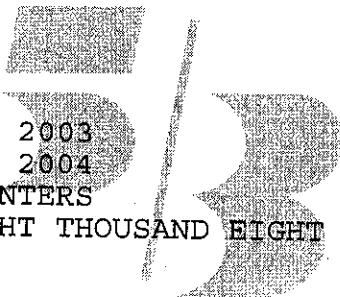
PAGE 1

ISSUING BANK:  
FIFTH THIRD BANK, INDIANA, (CENTRAL)

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

APPLICANT:  
THE MARINA LIMITED PARTNERSHIP  
11691 FALL CREEK ROAD  
INDIANAPOLIS, IN 46256

|                      |  |
|----------------------|--|
| LETTER OF CREDIT NO: | CIS401706  |
| ISSUE DATE:          | AUGUST 25, 2003  |
| EXPIRATION DATE:     | AUGUST 25, 2004  |
| EXPIRATION PLACE:    | AT OUR COUNTERS  |
| AMOUNT:              | 28,800.00 USD TWENTY EIGHT THOUSAND EIGHT HUNDRED 00/100 |



WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. CIS401706 IN YOUR FAVOR, AT THE REQUEST AND FOR THE ACCOUNT OF MARINA LIMITED PARTNERSHIP, 11691 FALL CREEK ROAD, INDIANAPOLIS, IN 46256 FOR ANY SUM OR SUMS NOT EXCEEDING \$28,800.00, AVAILABLE UPON PRESENTATION BY THE DIRECTOR OF HAMILTON COUNTY BOARD OF COMMISSIONERS, OR ANY EMPLOYEE ACTING UNDER HIS AUTHORITY, OF A LETTER SIGNED BY THE DIRECTOR OF HAMILTON COUNTY BOARD OF COMMISSIONERS ENUMERATING ANY AND ALL IMPROVEMENTS NOT COMPLETED AS REQUIRED FOR STORM SEWER AND SUB-SURFACE FOR CANAL PLACE, SECTION 3. THE LETTER SHALL ALSO INDICATE THE ESTIMATED COST OF COMPLETING IMPROVEMENTS.

THE DRAFTS DRAWN UNDER THIS LETTER OF CREDIT MUST STATE, "DRAWN UNDER LETTER OF CREDIT NO. CIS401706 OF FIFTH THIRD BANK, INDIANA, (CENTRAL), DATED AUGUST 25, 2003." THE AMOUNT OF THE DRAFTS MUST BE NOTED ON THE BACK OF THIS LETTER OF CREDIT BY THE NEGOTIATING BANK AND/OR AGENCY.

THIS LETTER OF CREDIT IS EFFECTIVE AS OF AUGUST 25, 2003, AND SHALL EXPIRE ON AUGUST 25, 2004, BUT SUCH EXPIRATION DATE SHALL BE AUTOMATICALLY EXTENDED FOR A PERIOD OF ONE YEAR, ON AUGUST

LETTER OF CREDIT NO. CIS401706

PAGE 2

25, 2004, AND ON EACH SUCCESSIVE EXPIRATION DATE, UNLESS A RELEASE IS RECEIVED FROM HAMILTON COUNTY BOARD OF COMMISSIONERS, OR WE NOTIFY BOTH HAMILTON COUNTY BOARD OF COMMISSIONERS AND THE MARINA LIMITED PARTNERSHIP BY CERTIFIED MAIL, AT LEAST SIXTY (60) 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 OF CREDIT SHALL BE AVAILABLE TO HAMILTON COUNTY BOARD OF COMMISSIONERS UPON ITS SIGHT DRAFT OR DEMAND FOR PAYMENT FOR SIXTY (60) DAYS AFTER RECEIPT OF SUCH NOTICE BY HAMILTON COUNTY BOARD OF COMMISSIONERS, AS SHOWN ON THE SIGNED RETURN RECEIPT.

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ALL BANK CHARGES OTHER THAN THOSE OF FIFTH THIRD BANK ARE FOR THE ACCOUNT OF THE BENEFICIARY.

WE ENGAGE WITH YOU THAT DRAFTS DRAWN UNDER AND IN COMPLIANCE WITH THE TERMS OF THIS CREDIT WILL BE HONORED IF NEGOTIATED OR PRESENTED DURING BUSINESS HOURS ON OR BEFORE THE EXPIRATION DATE AT: FIFTH THIRD BANK, INTERNATIONAL TRADE SERVICES, 38 FOUNTAIN SQUARE PLAZA, MD10903C, CINCINNATI, OH 45263.

THIS LETTER OF CREDIT IS SUBJECT TO THE INTERNATIONAL STANDBY PRACTICES/ISP98, ICC PUBLICATION NO. 590.

  
AUTHORIZED SIGNATURE  
AUTHORIZED SIGNATURE



FILED

AUG 27 2003

REC'D - COUNTY CLERK'S OFFICE



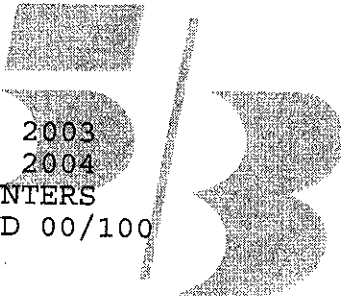
HCDB 2003-00064

LETTER OF CREDIT NO. CIS401704

ISSUING BANK:  
FIFTH THIRD BANK, INDIANA, (CENTRAL)

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

APPLICANT:  
THE MARINA LIMITED PARTNERSHIP  
11691 FALL CREEK ROAD  
INDIANAPOLIS, IN 46256



LETTER OF CREDIT NO: CIS401704  
ISSUE DATE: AUGUST 25, 2003  
EXPIRATION DATE: AUGUST 25, 2004  
EXPIRATION PLACE: AT OUR COUNTERS  
AMOUNT: 6,000.00 USD SIX THOUSAND 00/100

WE HEREBY ESTABLISH OUR IRREVOCABLE STANDBY LETTER OF CREDIT NO. CIS401704 IN YOUR FAVOR, AT THE REQUEST AND FOR THE ACCOUNT OF MARINA LIMITED PARTNERSHIP, 11691 FALL CREEK ROAD, INDIANAPOLIS, IN 46256 FOR ANY SUM OR SUMS NOT EXCEEDING \$6,000.00, AVAILABLE UPON PRESENTATION BY THE DIRECTOR OF HAMILTON COUNTY BOARD OF COMMISSIONERS, OR ANY EMPLOYEE ACTING UNDER HIS AUTHORITY, OF A LETTER SIGNED BY THE DIRECTOR OF HAMILTON COUNTY BOARD OF COMMISSIONERS ENUMERATING ANY AND ALL IMPROVEMENTS NOT COMPLETED AS REQUIRED FOR EROSION CONTROL FOR CANAL PLACE, SECTION 3. THE LETTER SHALL ALSO INDICATE THE ESTIMATED COST OF COMPLETING IMPROVEMENTS.

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LETTER OF CREDIT NO. CIS401704

PAGE 2

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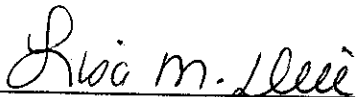
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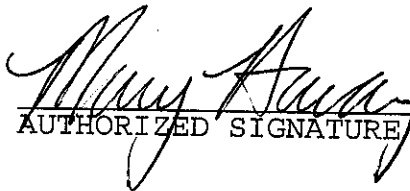
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THIS LETTER OF CREDIT IS SUBJECT TO THE INTERNATIONAL STANDBY PRACTICES/ISP98, ICC PUBLICATION NO. 590.



AUTHORIZED SIGNATURE



AUTHORIZED SIGNATURE

FILED  
AUG 27 2003  
OFFICE OF HAMILTON COUNTY SURVEYOR

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE


Canal Place Drain, Section 3 Arm

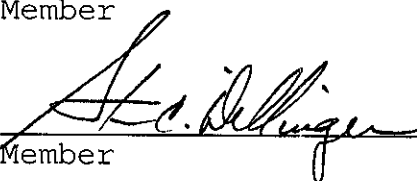
On this *26th day of January 2004*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of the *Canal Place Drain, Section 3 Arm*.

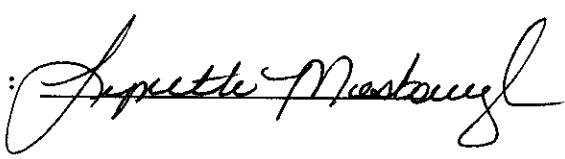
Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.

HAMILTON COUNTY DRAINAGE BOARD

  
\_\_\_\_\_  
President

  
\_\_\_\_\_  
Member

  
\_\_\_\_\_  
Member

Attest: 

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF THE

*Canal Place Drain, Section 3 Arm*

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **January 26, 2004** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD  
IN THE MATTER OF  
*Canal Place Drain, Section 3*

NOTICE

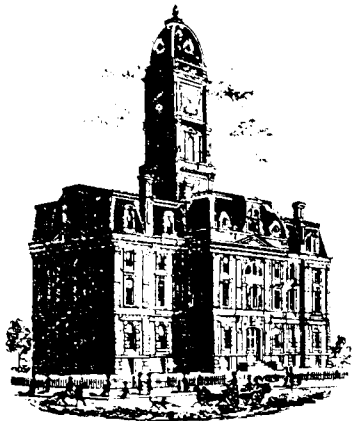
To Whom It May Concern and: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **Canal Place Drain, Section 3** on **January 26, 2004** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY



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**

**March 15, 2006**

**Re: Canal Place Drain: Canal Place Section 3**

Attached are as-builts, certificate of completion & compliance, and other information for Canal Place Section 3. 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 17, 2003. The report was approved by the Board at the hearing held January 26, 2004. (See Drainage Board Minutes Book 7, Pages 316-318) The changes are as follows:

| Structure:             | Length:     | Size | Material: | Up Invert: | Dn Invert | Grade:                  | Changes:      |
|------------------------|-------------|------|-----------|------------|-----------|-------------------------|---------------|
| 703-702                | 129.04      | 18   | RCP       | 818.01     | 817.7     | 0.24                    | -0.09         |
| 702-E750               | 141.86      | 18   | RCP       | 817.68     | 817.36    | 0.23                    | 0.46          |
| E750-701               | 85.39       | 15   | RCP       | 817.55     | 817.32    | 0.27                    | -1.75         |
| 701-700                | 27.78       | 12   | RCP       | 817.76     | 817.55    | 0.76                    | 2.78          |
| <b>6" SSD Streets:</b> |             |      |           |            |           | <b>RCP Pipe Totals:</b> |               |
| Harbour Bay Dr         | 992.5       |      |           |            |           | 12                      | 27.78         |
| <b>Totalx2:</b>        | <u>1985</u> |      |           |            |           | 15                      | 85.39         |
|                        |             |      |           |            |           | 18                      | 270.9         |
|                        |             |      |           |            |           | <b>Total:</b>           | <u>384.07</u> |

The length of the drain due to the changes described above is now **2,369.07 feet**.

The non-enforcement was approved by the Board at its meeting on January 26, 2004 and recorded under instrument #200400030780.

The following sureties were guaranteed by Fifth Third Bank and released by the Board on its January 26, 2004 meeting.

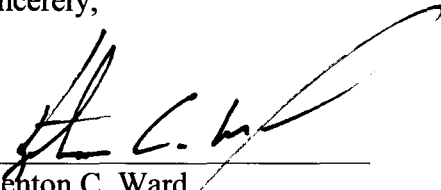
**Bond-LC No:** CIS401706  
**Insured For:** Storm Sewers, SSD  
**Amount:** \$28,800  
**Issue Date:** August 25, 2003

**Bond-LC No:** CIS401704  
**Insured For:** Erosion Control  
**Amount:** \$6,000  
**Issue Date:** August 25, 2003



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

Sincerely,



---

Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Canal Place Subdivision  
Section III

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: Joseph A. Sharp Date: August 11, 2004

Type or Print Name: Joseph A. Sharp

Business Address: 7172 Graham Road

Indianapolis, Indiana 46250

Telephone Number: (317) 842-6777

SEAL

INDIANA REGISTRATION NUMBER

LS80040076



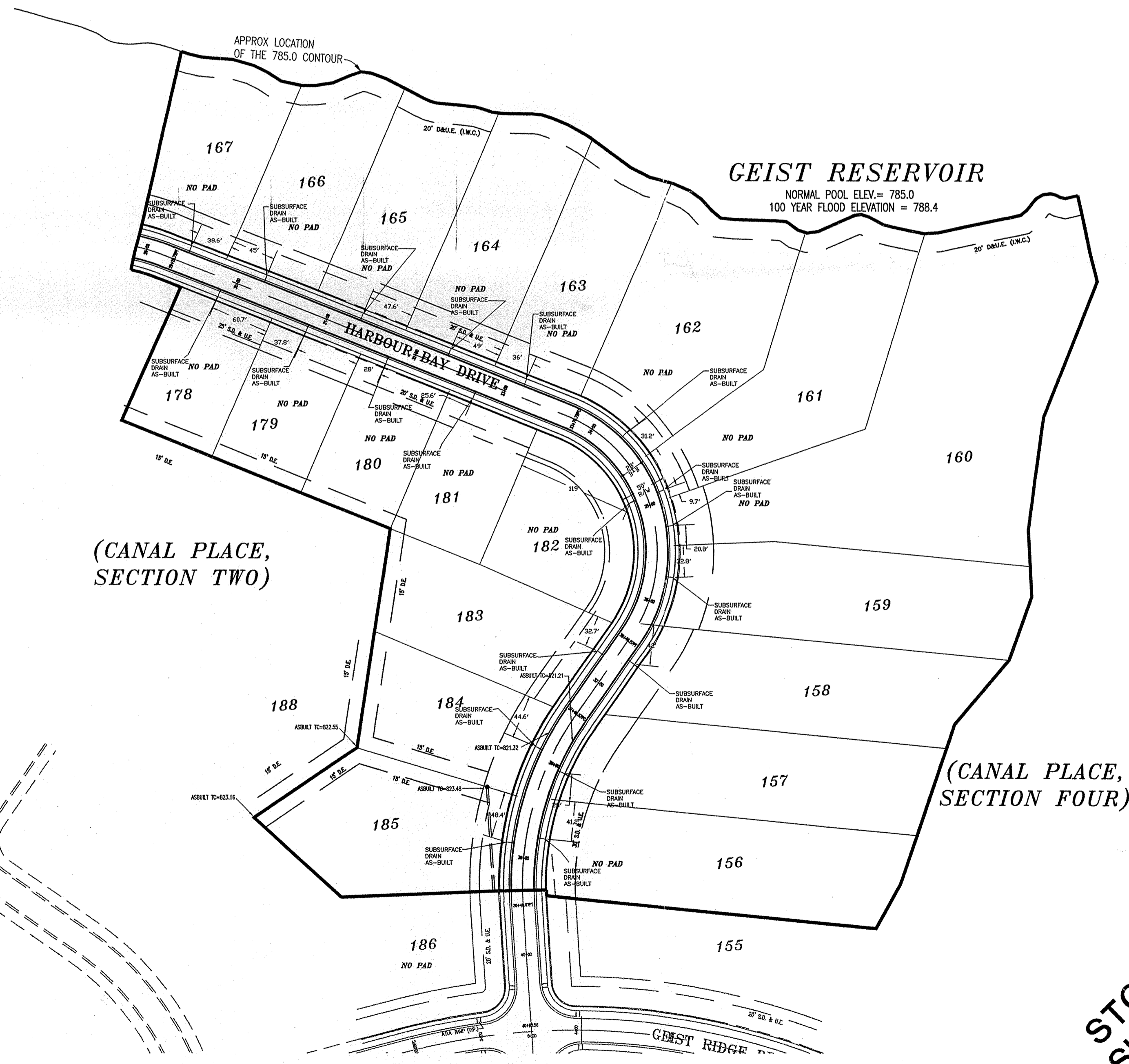
# CONSTRUCTION PLANS FOR CANAL PLACE, SECTION III

Dennis R. Redick, Mayor  
City of Noblesville

Developer:  
Marina Limited Partnership

Site Engineers / Surveyors  
Paul I. Cripe Inc.

**STORM SEWER AND  
SUB-SURFACE DRAIN  
ASBUILTS**



**STORM SEWER AND  
SUB-SURFACE DRAIN  
AS BUILT**  
date 8-11-04

| AS-BUILT INDEX |  |
|----------------|--|
| SHT            | DESCRIPTION                              |
| CS             | COVER SHEET                              |
| E101           | MAP SHEET                                |
| E102           | EXISTING CONDITIONS PLAN                 |
| E201           | SITE DEVELOPMENT PLAN                    |
| C203           | TRAFFIC CONTROL PLAN                     |
| E205           | EROSION CONTROL PLAN                     |
| E206           | EROSION CONTROL DETAILS                  |
| E207           | EROSION CONTROL DETAILS                  |
| E301           | STREET PLAN & PROFILE                    |
| G501           | SANITARY PLAN & PROFILE                  |
| G502           | SANITARY DETAILS                         |
| C701           | STORM PLAN & PROFILE                     |
| C702           | STORM DETAILS                            |
| G801           | WATERMAIN PLAN                           |
| G901           | STANDARD SPECIFICATIONS                  |
| G902           | H.C. SURVEYOR'S OFFICE STANDARD DETAILS  |
| G903           | H.C.H.D. STANDARD DETAILS (STREET SIGNS) |
| G904           | H.C.H.D. STREET DETAILS                  |

| BENCHMARKS |  |
|------------|--|
|            |  |
|            |  |

| CONTACT CO. / PERSON FOR        |              |          |  |
|---------------------------------|--------------|----------|--|
| NAME                            | PHONE NO.    | FAX NO.  |  |
| OWNER MARINA LIMITED PART.      | 845-0270     | 845-0766 |  |
| DEVELOPER MARINA LIMITED PART.  | 845-0270     | 845-0766 |  |
| POWER C.I.P. ENERGY             | 462-4417     |          |  |
| GAS INDIANA GAS CO.             | 800-666-3096 |          |  |
| TELEPHONE HANCOCK RURAL         | 326-8031     |          |  |
| CABLE INSIGHT CABLE             | 776-0660     | 773-5439 |  |
| WATER INDIPLS. WATER CO.        | 327-5772     |          |  |
| CO.SURVEYOR KENT WARD           | 776-8495     | 776-9628 |  |
| PLANNING STEVE HUNTLEY          | 773-4814     | 776-6363 |  |
| TRAFFIC HAM CTY HWY             | 773-7770     | 776-9614 |  |
| SANITARY HAM SOUTHEASTERN UTIL. | 577-2300     |          |  |
| DRAINAGE HAM CO SURV            | 776-8495     |          |  |
| EROSION HAM CO SWCD             | 773-1406     |          |  |

|                              |                    |                           |
|------------------------------|--------------------|---------------------------|
| <b>DON'T DIG BLIND</b>       |                    | <b>1-800-382-5544</b>     |
| CALL TOLL FREE               |                    | <b>1-800-428-6200</b>     |
| FOR CALLS OUTSIDE OF INDIANA |                    |                           |
| <b>PAUL I. CRIFE TEAM</b>    |                    | 317-842-6777 FAX-841-4798 |
| PROJECT MANAGER              | BRUCE HAGEN        | 661                       |
| PROJECT ENGINEER             | JOE SHARP          | 675                       |
| PROJECT SURVEYOR             | DENNIS SINGER      | 635                       |
| PROJECT LAND PLANNER         | BILL DANKERT       | 642                       |
| ENGINEERING ASSOCIATE        | RUDY TAVAREZ       | 720                       |
| QUALITY ASSURANCE            | TOM SCHELLENBERGER | 622                       |

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Entry Date: 2-6-06

Entered by: SLM

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LAND SURVEYORS

7172 GRAHAM ROAD  
INDIANAPOLIS, INDIANA 46256  
842-6777 FAX (317) 841-4798  
E-Mail at pierce@pierce.com

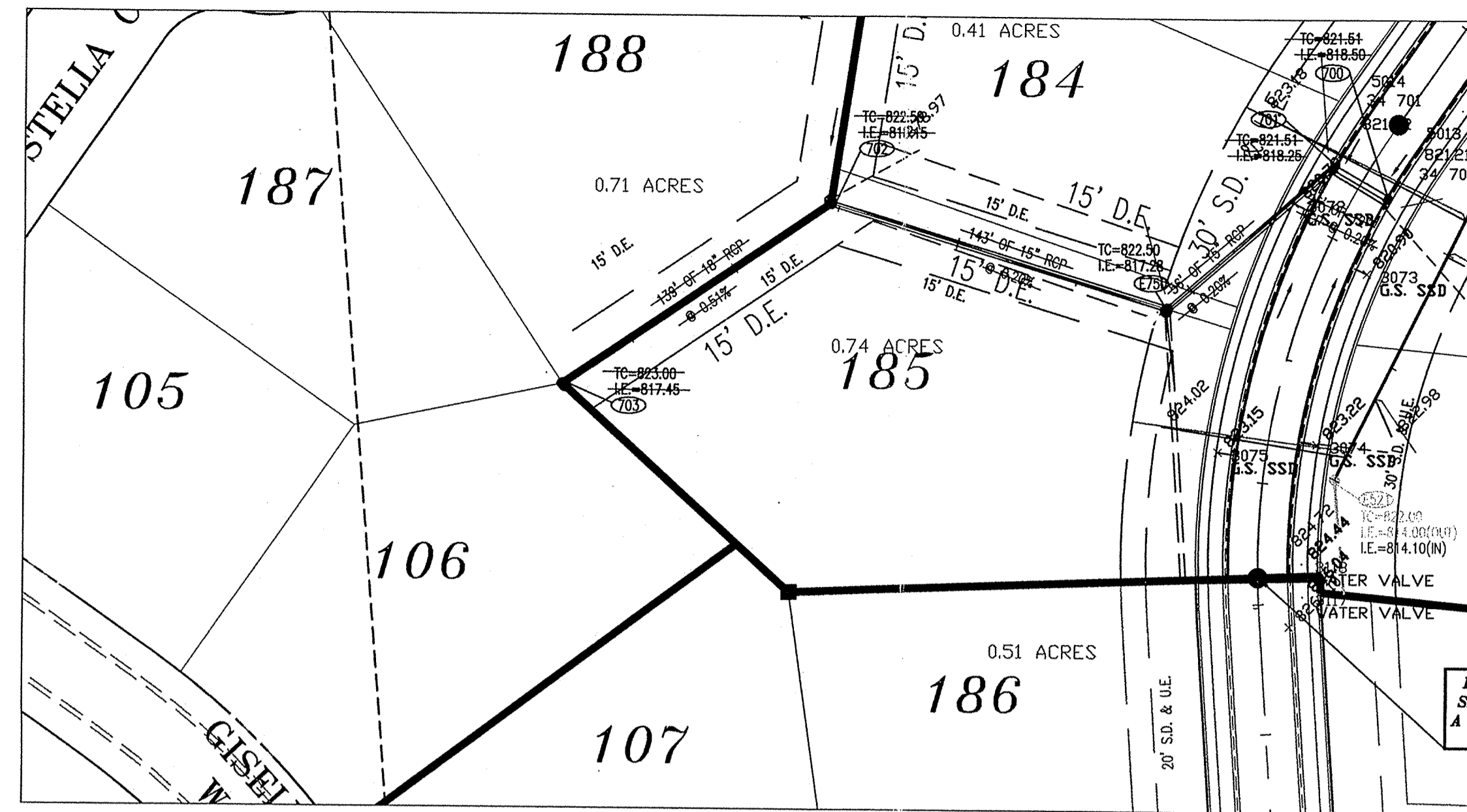
**CRIFE**

COVER SHEET  
CANAL PLACE, SECTION III  
MARINA LIMITED PARTNERSHIP  
11691 FALL CREEK RD.  
INDIANAPOLIS, IN 46256  
PHONE: (317) 845-0766 FAX: (317) 845-0766

CERTIFIED BY: [Signature]  
REGISTERED PROFESSIONAL ENGINEER  
No 15179  
STATE OF INDIANA  
8-11-04

Drawn By: [Signature]  
ASBLS BY: MURCH 8-11-04  
Checked By: [Signature]  
Quality Assurance: [Signature]

Scale: 1" = 400'  
Sheet: **CS**  
Date: 04-10-02  
Project Number: 990384-20100



PLAN ONE

- STORM SEWER PLAN AND PROFILE NOTES:**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS, FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
  - IN ADDITION, EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
  - ALL STRUCTURES SHALL HAVE CASTINGS, JOINTS, LIFT RINGS, STEPS AND PIPE CONNECTIONS WELL GROUDED, TROWELED SMOOTH AND BRUSH FINISHED.
  - ALL STRUCTURES (IE: MANHOLES, INLETS) SHALL HAVE POURED FLOW LINES AND BENCH WALLS. THE FLOW LINES AND BENCHWALLS SHALL BE TROWELED SMOOTH AND BRUSH FINISHED.
  - FIELD ADJUSTMENTS OF TOP OF CASTING (T.C.) OF STRUCTURES MAY BE REQUIRED TO MEET FIELD CONDITIONS. ADJUSTMENTS EXCEEDING FIVE TENTHS (0.5) OF A FOOT MUST BE APPROVED BY THE ENGINEER TO DETERMINE THE INTEGRITY OF THE STRUCTURE. AT NO COST TO THE OWNER.
  - STORM STRUCTURES WITH INLET CASTINGS SHALL BE SET TO MAINTAIN A POSITIVE DRAINAGE FLOW INTO THE STRUCTURE.
  - STORM PIPE INVERTS AT OUTLET STRUCTURES (IE: END SECTIONS), AND PIPE LENGTHS MAY REQUIRE FIELD ADJUSTMENTS TO MEET ACTUAL FIELD CONDITIONS.
  - FULL DEPTH GRANULAR BACKFILL SHALL BE REQUIRED UNDER AND WITHIN (5) FEET OF ALL PAVED AREAS, INCLUDING CURBS, EDGE OF PAVEMENT, AND SIDEWALKS.
  - SEE SECTION 02720 FOR STORM SEWERAGE SPECIFICATIONS A) IN THE PROJECT MANUAL OR B) ON SHEET C307
  - PIPES LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND INCLUDE END SECTIONS.
  - THE CONNECTION OF THE PROPOSED STORM SEWER TO AN EXISTING BRICK STRUCTURE MUST BE DONE ACCORDING TO THE FOLLOWING CONDITIONS:
    - REHABILITATE AND COAT THE ENTIRE INTERIOR OF THE MANHOLE WITH NON-SHRINK GROUT.
    - AT THE POINT OF CONNECTION OF THE PROPOSED PIPE, PLACE A THREE FOOT (3') DIAMETER BY A MINIMUM SIX INCH (6") THICK, 4000 PSI CONCRETE COLLAR WITH 4x4x10 GAUGE WIRE MESH OVER THE EXTERIOR OF THE MANHOLE.
    - ONCE THE CORE HAS BEEN MADE, INSTALL A RUBBER BOOT.



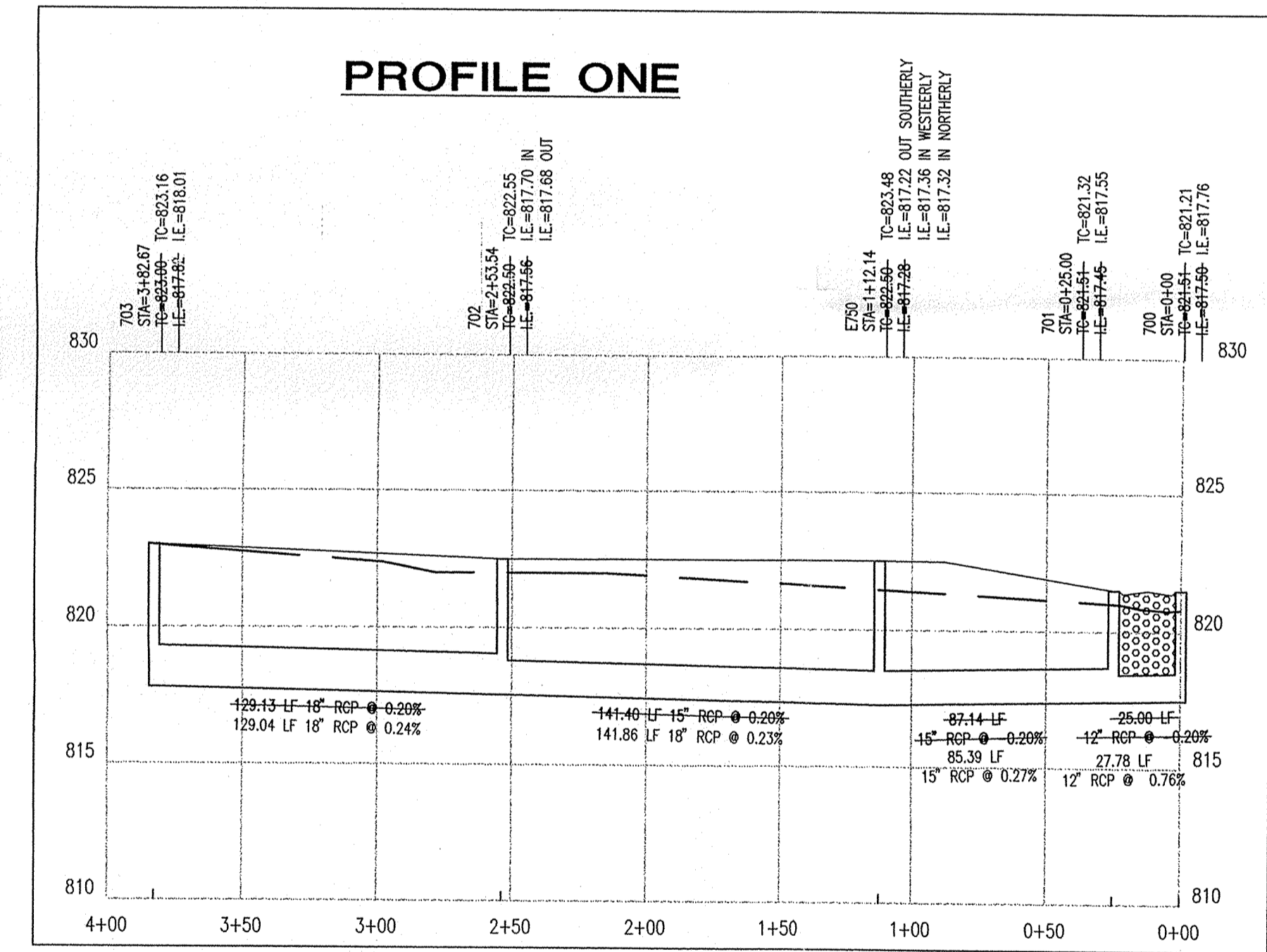
**DON'T DIG BLIND**

"HOLEY MOLEY" SEZ

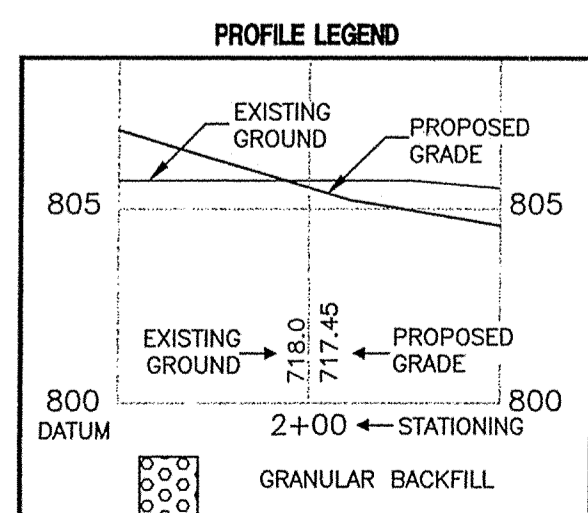
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CALL TOLL FREE  
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FOR CALLS OUTSIDE OF INDIANA

**CAUTION**

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 SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.



PROFILE ONE



**AS BUILT**

date 8-11-04

Hamilton County, Indiana

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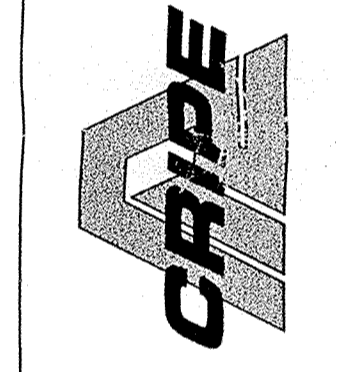
Entry Date: 8-11-04 2-6-06

Entered by: SLM

| Revision | Date     | Description               |
|----------|----------|---------------------------|
| 1        | 08/25/03 | REVISION PER TAC COMMENTS |

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STORM PLAN AND PROFILE  
CANAL PLACE, SECTION III  
MARINA LIMITED PARTNERSHIP  
11691 FALL CREEK RD.  
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PHONE: (317) 845-0270 FAX: (317) 845-0768

CERTIFIED BY:  
JOSEPH H. SHARP  
REGISTERED PROFESSIONAL ENGINEER  
No. 15179  
STATE OF INDIANA

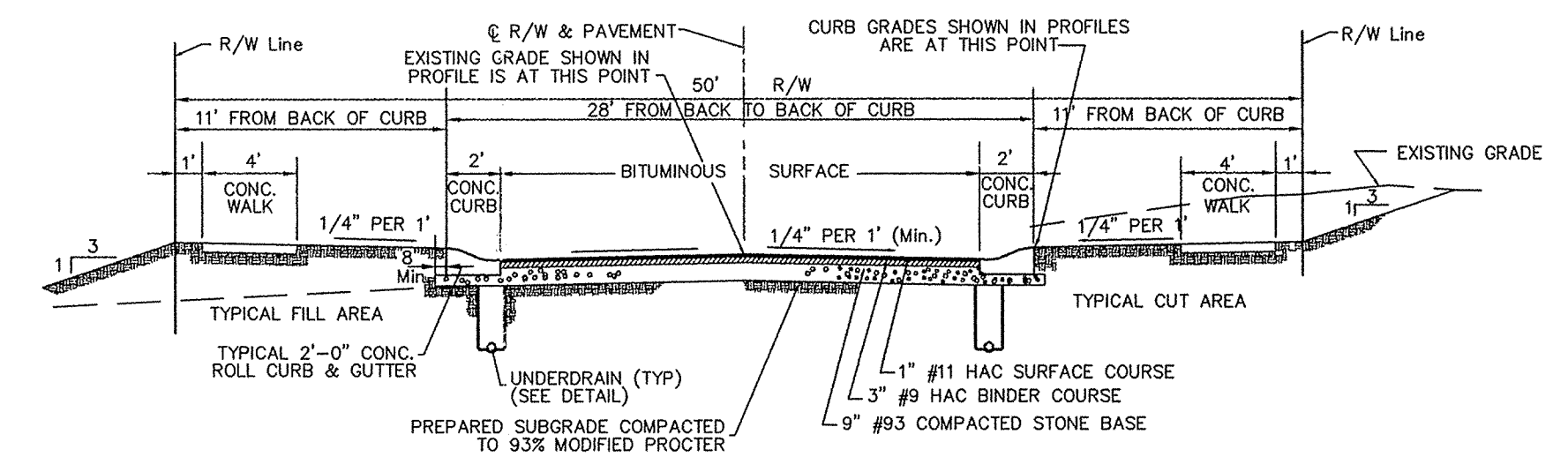
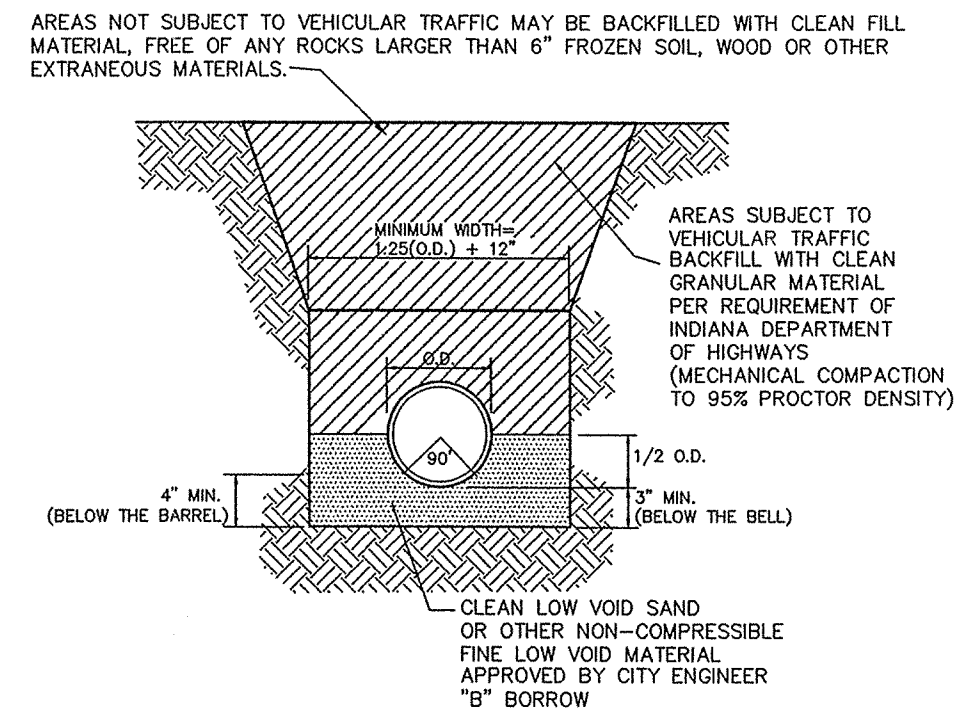
8-11-04  
Drawn by:  
Checked by:  
Quality Assurance:  
Scale: 1" = 50'  
Sheet: C701  
Date: 04-10-02  
Project Number: 990384-20100

NOTE:  
TOP OF CASTING ELEVATIONS FOR CURB INLETS ARE LOCATED AT THE TOP OF CURB ELEVATION  
WHILE TOP OF CASTING ELEVATIONS FOR YARD GRATE CASTINGS ARE LOCATED AT THE FLOW LINE.

### STRUCTURE DATA TABLE

| STRUCTURE NUMBER | STRUCTURE TYPE         | INLET DETAIL | CASTING TYPE (NEENAH EQUIV.) | TOP OF CASTING ELEV. | INVERT OUT ELEV. |
|------------------|------------------------|--------------|------------------------------|----------------------|------------------|
| 700              | 48" Ø FLAT TOP MANHOLE | ST-6         | R-3501N                      | 821.51               | 817.50           |
| 701              | 48" Ø FLAT TOP MANHOLE | ST-6         | R-3501N                      | 821.51               | 817.45           |
| E750             | 48" Ø FLAT TOP MANHOLE | ST-6         | R-1772A                      | 822.50               | 817.28           |
| 702              | 48" Ø FLAT TOP MANHOLE | ST-6         | R-4342                       | 822.50               | 817.56           |
| 703              | 48" Ø FLAT TOP MANHOLE | ST-6         | R-4342                       | 823.00               | 817.82           |

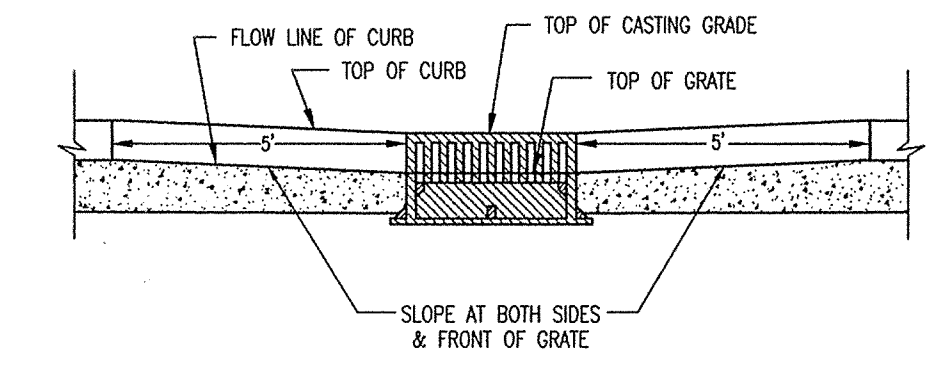
NOTE: INSPECT ALL SEWERS AS TO ELEVATION, GRADIENT, ALIGNMENT & JOINT BY INSPECTING ENGINEER PRIOR TO BACKFILL OVER PIPE.



SR10 TYPICAL STREET SECTION  
NO SCALE (HAMILTON CO.)

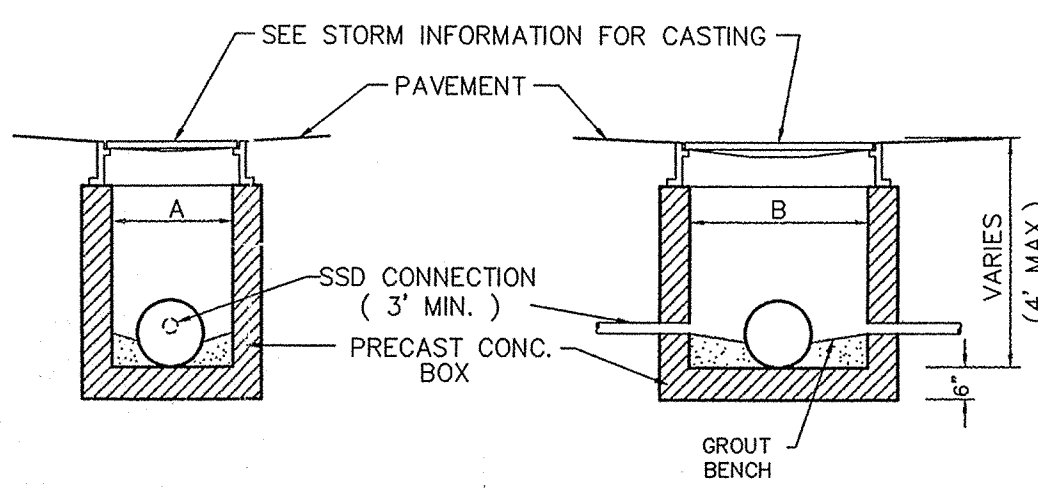
ST-32 RIGID PIPE BEDDING DETAIL (STORM)  
NO SCALE CONCRETE PIPE AND CMP

| EJW        | NEENAH       | TYPE        | USE                | A   | B   |
|------------|--------------|-------------|--------------------|-----|-----|
| 1022-1 HD  | R-1772-A     | MANHOLE     | GRADED AREAS       | 24" | 24" |
| 1022-3 HD  | R-1772-C     | MANHOLE     | TRAFFIC AREAS      | 24" | 24" |
| 7490-M1    | R-3501-N     | ROLL CURB   | LOW POINTS         | 24" | 24" |
| 7495-LH-RH | R-3501-TL-TR | ROLL CURB   | FLOW LEFT OR RIGHT | 25" | 27" |
| 6489       | R-4342       | DITCH GRATE | SWALES             | 23" | 23" |

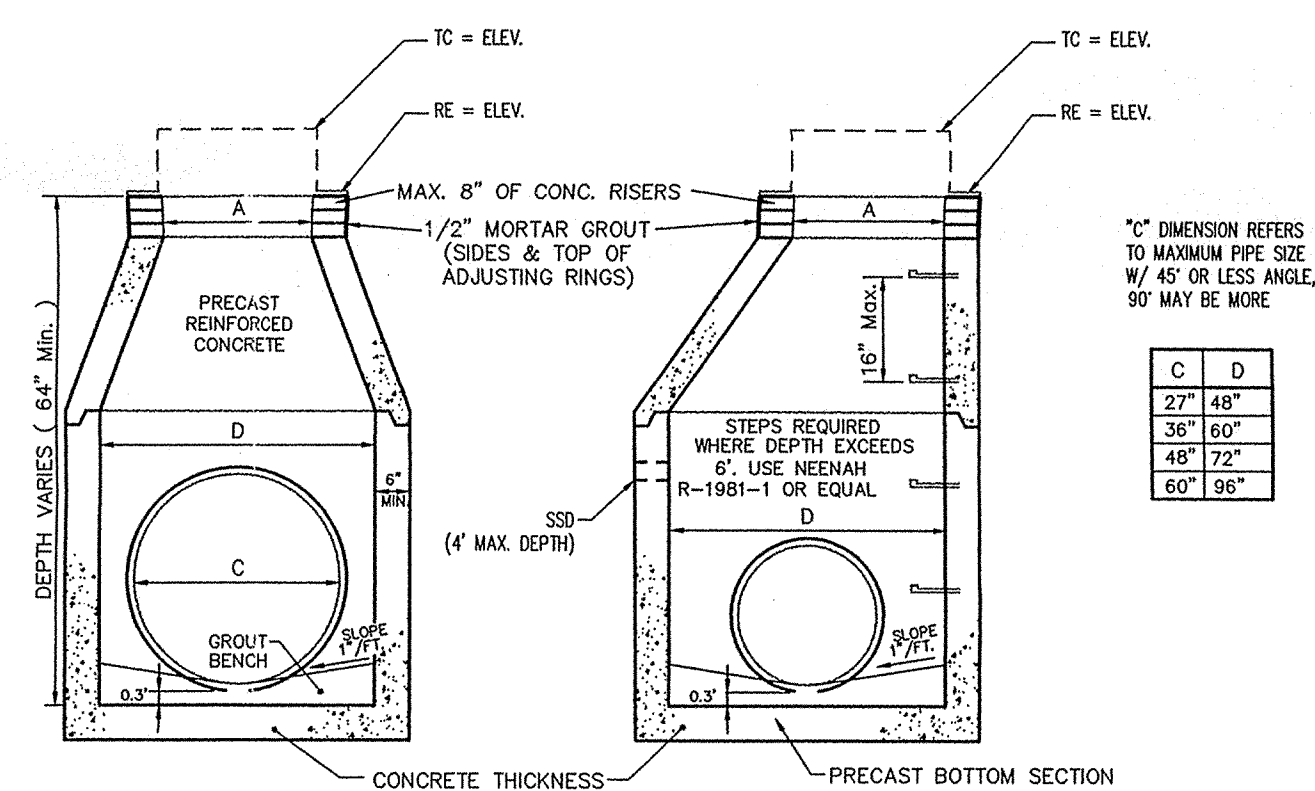


CA-5 ROLL CURB INLET SETTING DETAIL  
NO SCALE

| EJW       | NEENAH    | TYPE        | USE           | A   |
|-----------|-----------|-------------|---------------|-----|
| 1022-1 HD | R-1772-A  | MANHOLE     | GRADED AREAS  | 24" |
| 1022-3 HD | R-1772-C  | MANHOLE     | TRAFFIC AREAS | 24" |
| -         | R-2501    | GRATE       | TRAFFIC AREAS | 28" |
| -         | R-2560-C2 | BEEHIVE     | SWALES        | 24" |
| 6489      | R-4342    | DITCH GRATE | SWALES        | 24" |

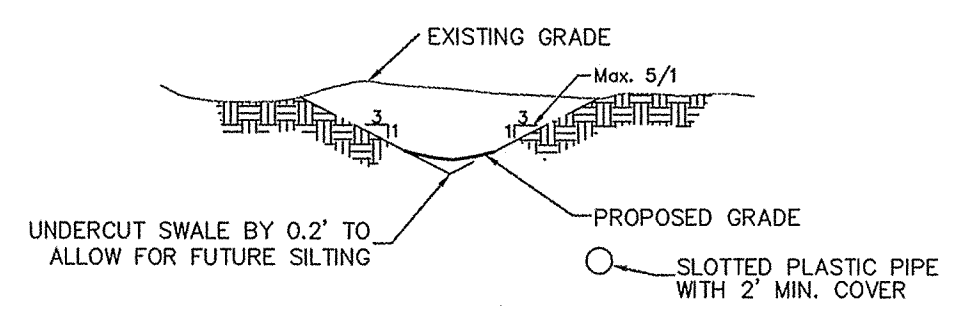


ST-23 PRECAST SHALLOW INLET  
NO SCALE

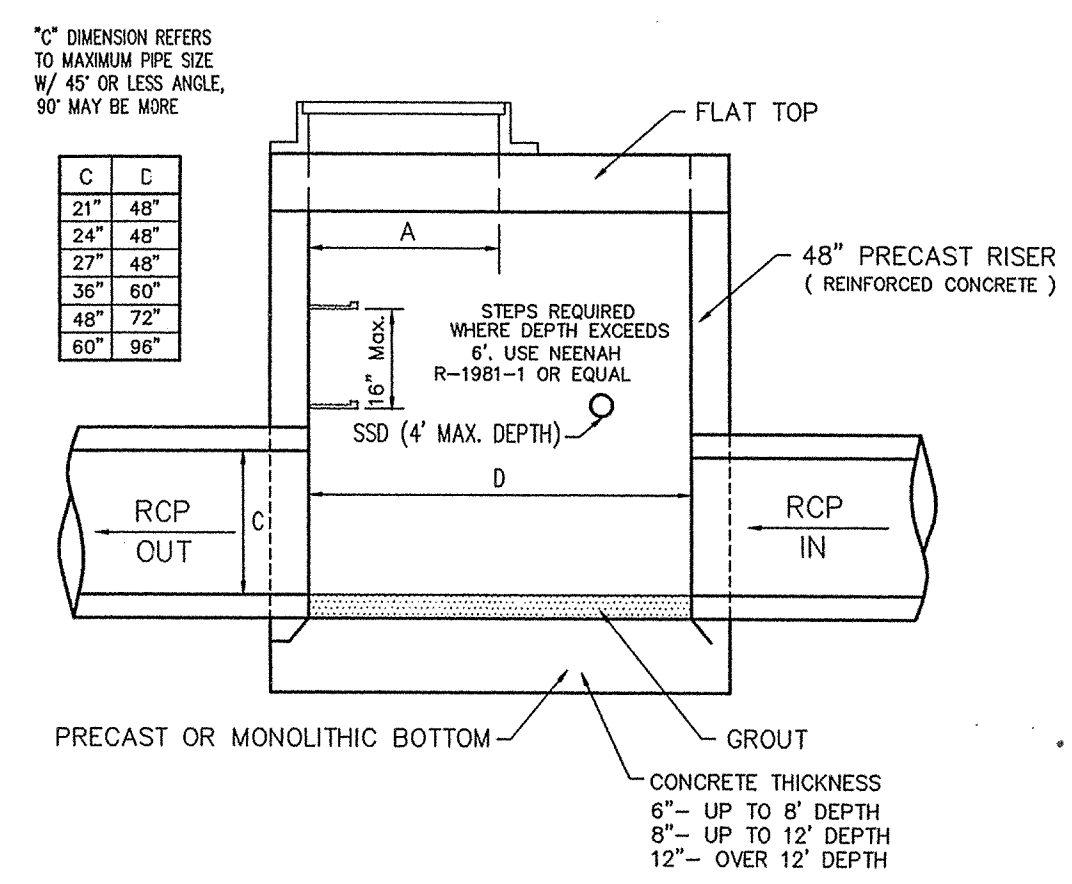


ST-4 STORM SEWER MANHOLE  
NO SCALE W/ CONE TYPE REDUCER

**AS BUILT**  
date 8-11-04



ST-1 TYPICAL SWALE DETAIL  
NO SCALE



ST-6 STORM SEWER MANHOLE  
NO SCALE W/ FLAT TOP REDUCER

HAMILTON COUNTY INDIANA

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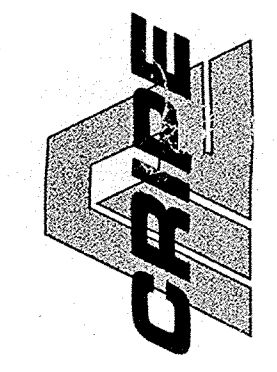
Entry Date: 2-6-06

Entered by: SLM

Revision  
Date  
07/29/03  
Description  
REVISE STRUCTURE DATA

ARCHITECTS  
LANDSCAPE ARCHITECTS  
ENVIRONMENTAL CONSULTANTS  
LAND PLANNERS  
LAND SURVEYORS

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STORM DETAILS  
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JOSEPH A. SHARP  
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STATE OF INDIANA

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Checked By:  
Quality Assurance:  
Scale: 0 Scale: 1" = 11/4'  
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C702  
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