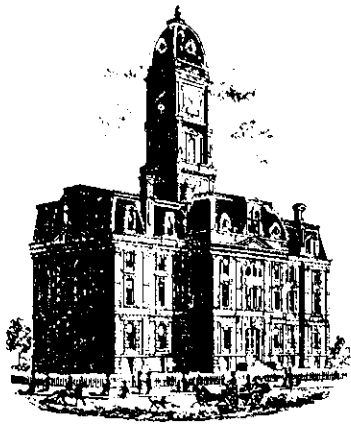


**Drain:** F M MUSSELMAN      **Drain #:** 234  
**Improvement/Arm:** MONARCH SPRINGS ARM TO PETERSON ARM  
**Operator:** J. LIVINGSTON      **Date:** 4-28-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 2003

### GIS Drain Input Checklist

- Pull Source Documents for Scanning *JL*
- Digitize & Attribute Tile Drains N/A
- Digitize & Attribute Storm Drains SLM 9-1-04
- Digitize & Attribute SSD N/A
- Digitize & Attribute Open Ditch N/A
- Stamp Plans SLM 9-1-04
- Sum drain lengths & Validate SLM 9-1-04
- Enter Improvements into Posse *JL*
- Enter Drain Age into Posse SLM 9-1-04
- Sum drain length for Watershed in Posse SLM 9-1-04
- Check Database entries for errors SLM 9-1-04



SURVEYOR'S OFFICE  
**Hamilton County**

*Kenton C. Ward, Surveyor*

*Phone (317) 776-8495*

*Fax (317) 776-9628*

*Suite 188*

*One Hamilton County Square  
Noblesville, Indiana 46060-2230*

October 17, 2003

To: Hamilton County Drainage Board

Re: F. M. Musselman Drain, Monarch Springs Arm to the Peterson Arm

Attached is a petition filed by Promise Road Development Company, LLC along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Monarch Springs Arm to the Peterson Arm, F. M. Musselman Drain to be located in Noblesville 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:

36" RCP 1,267 ft

The total length of the drain will be 1,267 feet.

The above length consists of the system as shown on sheet C601 of the plans for this subdivision prepared by Richard Ward Engineering Inc. dated September 5, 2002. This is for those pipe lengths between structures 100 to 106. The remainder of the storm sewer system for this subdivision will be maintained by the City of Noblesville.

Promise Road Development Company, LLC made payment to the Hamilton County Treasurer in the amount of \$30,288.72. This amount in turn was paid to Precedent on July 29, 2003 as per the agreement with the Board dated August 24, 1998 and recorded in the office of the County Recorder, Instrument #980984716.

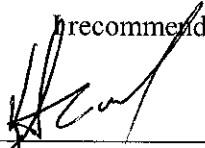
I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$3.00 per acre for common areas and roadways, \$25.00 per platted lot, with a \$25.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$1,026.38.

The petitioner has submitted surety for the proposed drain at this time. Surety will 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 Letter of Credit are as follows:

Agent:	Developers Surety and Indemnity Company
Date:	July 18, 2003
Number:	888446S
For:	Offsite Storm Sewer Extension
Amount:	\$97,800.00

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. This request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for Monarch Springs, Section 1 as recorded in the office of the Hamilton County Recorder.

 I recommend the Board set a hearing for this proposed drain for November 24, 2003.

---

Kenton C. Ward  
Hamilton County Surveyor

KCW/llm

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Monarch Springs, Section 1

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: Leland D Miller Date: October 31, 2003

Type or Print Name: Leland D. Miller Jr.

Business Address: 948 Conner Street

Noblesville, Indiana 46060

Telephone Number: (317) 773-2644

SEAL



INDIANA REGISTRATION NUMBER

S0083



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

August 31, 2004

Re: FM Musselman Drain: Monarch Springs  
Arm to the Peterson Arm

Attached are as-builts, certificate of completion & compliance, and other information for Monarch Springs 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 October 17, 2003. The report was approved by the Board at the hearing held November 24, 2003. (See Drainage Board Minutes Book 7, Pages 253-254) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Grade:	Original:	Difference:
Ex. 100	794.21	780.49					
101	797.73	781.04	36	223.6	0.25	222	1.6
101	797.73	780.91					
102	795.49	781.97	36	405.4	0.27	398	7.4
102	795.49	781.98					
103	795.45	782.25	36	182.5	0.25	189	-6.5
103	795.45	782.46					
104	793.92	782.62	36	127	0.29		
104	793.92	782.85					
105	794.82	783.21	36	163.2	0.22	162	1.2
105	794.82	783.23					
106	795.49	783.71	36	168.5	0.28	169	-0.5

**RCP Pipe Totals:**

36	1270.2
----	--------

**Total:** 1270.2

The length of the drain due to the changes described above is now **1270.2 feet**.

The non-enforcement was approved by the Board at its meeting on November 24, 2003 and recorded under instrument #200400007711.

The following sureties were guaranteed by Developers Surety and Indemnity Company and released by the Board on its April 26, 2004 meeting.

**Bond-LC No:** 888446S

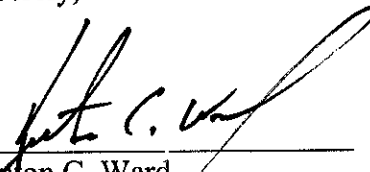
**Insured For:** Offsite Storm Sewers Ext.

**Amount:** \$97,800

**Issue Date:** June 18, 2003

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

Sincerely,

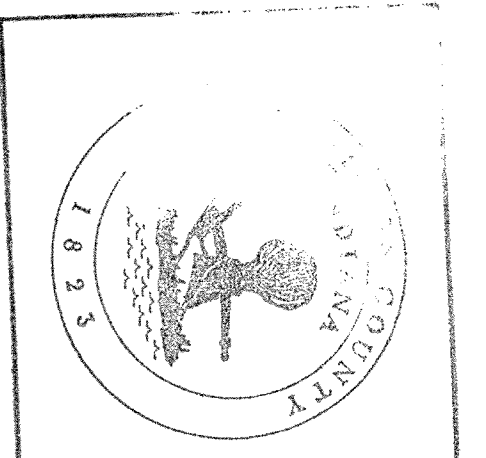
A handwritten signature in black ink, appearing to read "Kenton C. Ward", written over a horizontal line.

Kenton C. Ward,  
Hamilton County Surveyor

KCW/slm

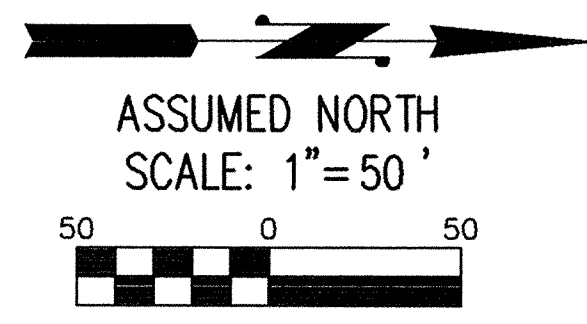
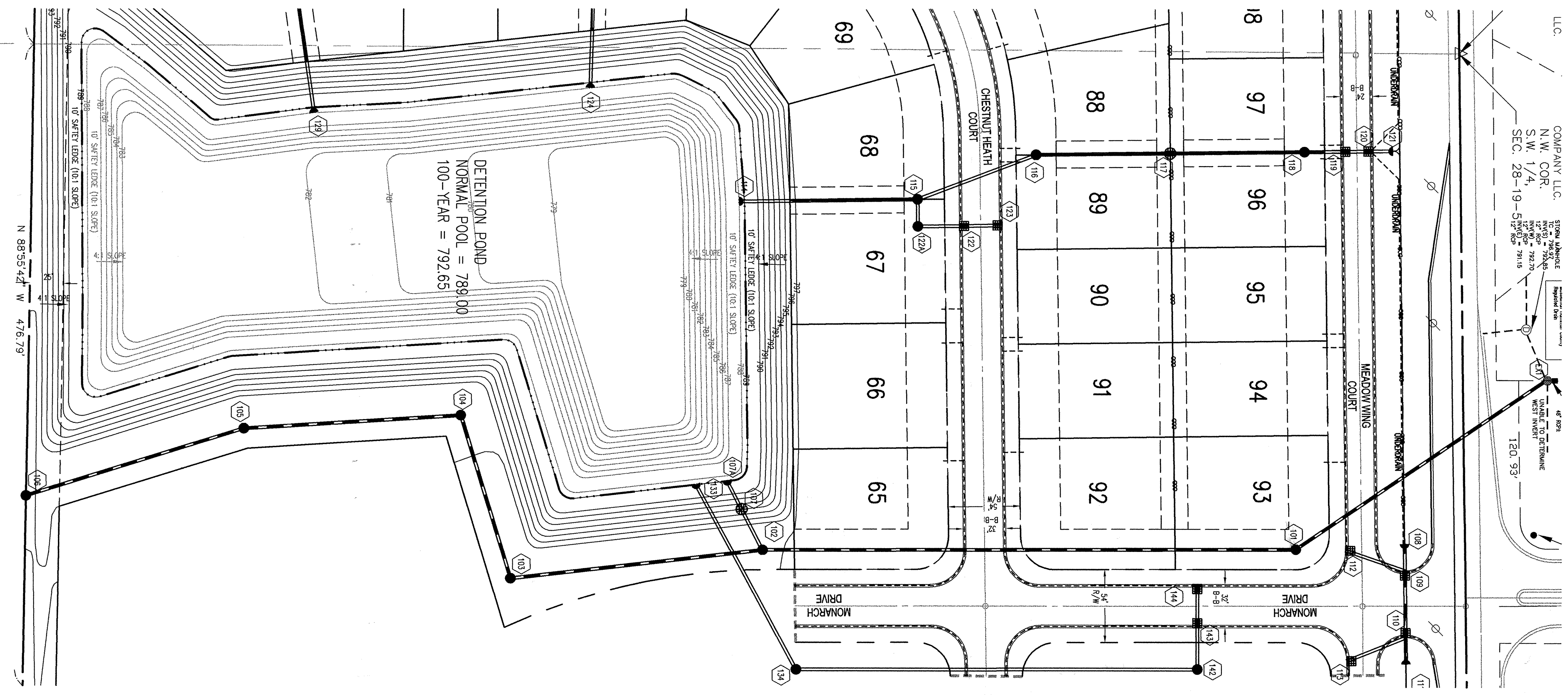


EAST LINE S.E.1/4, SEC. 29-19-5  
 WEST LINE S.W.1/4, SEC. 28-19-5  
 N00°20'35"E - 2648.40'



This information was gathered for input into the Hamilton County Geographical Information System and is considered an official record of the county.

Entered by: SLM  
 Entry Date: 6-25-04



**NOTE:**  
 THE VERTICAL DATUM USED FOR THESE CONSTRUCTION PLANS WAS FAULTY. THE AS-BUILT ELEVATIONS SHOWN ARE IN AGREEMENT WITH THE PROPER DATUM (HAMILTON COUNTY SURVEYORS BENCHMARK G-22).  
 THE CORRECT ELEVATION OF THE HARRISON MARKER AT THE N.E. CORNER OF THE W. 1/2 OF THE S.W. 1/4, OF SECTION 28-19-5 IS 803.16 (THE INCORRECT ELEVATION FOR THE HARRISON MARKER WHICH WAS USED IN THE PREPARATION OF THE CONSTRUCTION PLANS WAS ELEVATION 804.50).

**AS-BUILT BENCHMARK**  
 TBM - TOP OF HARRISON MONUMENT MARKING THE S.E. CORNER W. 1/2, N.W. 1/4, SEC. 28-19-5 AT THE CENTERLINE OF 191ST STREET & PROMISE ROAD  
 ELEVATION = 803.16

**CERTIFICATION BY SURVEYOR**  
 The attached AS-BUILT DRAWINGS, page C601 through C604 are, to the best of my knowledge and belief a true and correct representation of the STORM SEWER SYSTEM installation.

*Leland D. Miller, Jr.*  
 Leland D. Miller, Jr. #50083  
 Miller Surveying, Inc.  
 3/2/2004  
 Date

**STATE OF INDIANA**  
 REGISTERED LAND SURVEYOR  
 No. 50083

(000.00) = DESIGN VALUE  
 (000.00) = AS-BUILT VALUE

**ROGER WARD ENGINEERING INCORPORATED**  
 CIVIL ENGINEERS - LAND SURVEYORS - DEVELOPMENT CONSULTANTS  
 6285 N. COLLEGE AVENUE, SUITE 2  
 INDIANAPOLIS, INDIANA 46220  
 (317) 261-1799 (FAX) 261-1883  
 www.rw-engineering.com

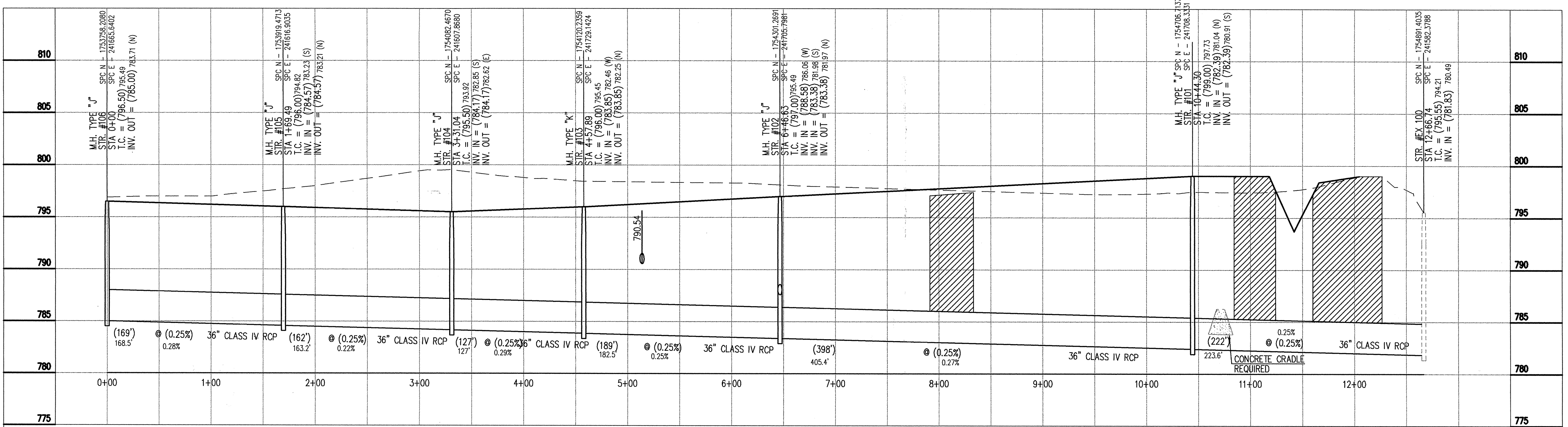
**STORM SEWER PLAN & PROFILES**

**REVISIONS:**  
 1- 10/17/02 - EAG - REVISIONS PER CITY ENGINEER  
 2- 11/18/02 - EAG - REVISIONS PER COUNTY SURVEYOR  
 3-  
 4-

DRAWN BY: EAG  
 DATE: 07/16/02  
 FILE NAME: MS1004/PMS1/601  
 PLOT: 10/16/02

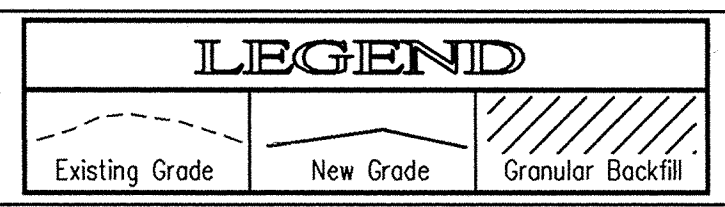
**STORM SEWER PLAN**

SCALE: 1"=50'



**PETERSON ARM TO THE F.M. MUSSELMAN REGULATED DRAIN**

**STORM SEWER PROFILE**



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

**PROMISE ROAD DEV. CO., LLC BY THE BRADFORD GROUP**  
**MONARCH SPRINGS SUBDIVISION SECTION ONE**  
 EAST 191st STREET & PROMISE ROAD  
 NOBLESVILLE, INDIANA

**ROGER C. WARD REGISTERED PROFESSIONAL ENGINEER**  
 No. PE19500489  
 STATE OF INDIANA

BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SHEET **C601** OF 30  
 JOB#: MS1004