

**Drain:** OLIVER SHOEMAKER      **Drain #:** 42  
**Improvement/Arm:** FISHERS TRADE CENTER PHASE II RELOCATION  
**Operator:** J. LIVINGSTON      **Date:** 6-15-04  
**Drain Classification:** Urban/Rural      **Year Installed:** 1999

**GIS Drain Input Checklist**

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

Gasb 34 Footages for Historical Cost  
Drain Length Log

Drain-Improvement: OLIVER SHOEMAKER - FISHERS TRADE CENTER PHASE II RELOCATION

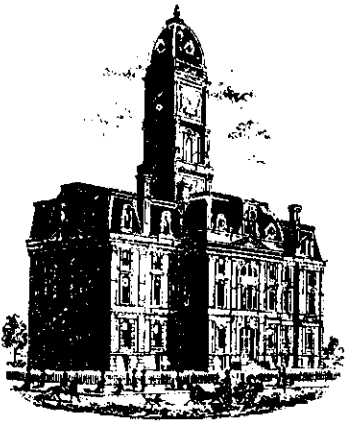
Drain Type:	Size:	Length	Length (DB Query)	Length Reconcile	If Applicable	
					Price:	Cost:
RCP	18"	51'	51'			
	24"	264'	264'			
	48"	541'	541'			
OPEN DITCH	-	1040	1040'			

Sum: 1896'    1896'    \$134,745.00

Final Report: 1896'

Comments:

INCORRECT BOND LISTED ON FINAL REPORT. BOND LISTED ON  
FINAL REPORT IS BOND # AND AMT FOR PHASE I RELOCATION.  
CORRECT BOND LISTED ON INITIAL REPORT AND ATTACHED  
TO THIS PAPERWORK



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

December 13, 1999 (Phase II)

To: Hamilton County Drainage Board

Re: Oliver Shoemaker Drain

Attached is a petition and plans for the proposed relocation of the Oliver Shoemaker Drain. The relocation is being proposed by D. B. Mann. The proposal is to relocate the existing Oliver Shoemaker and John Sutton Drains between St. Rd 37 and the railroad. The relocation will be between Sta. 80+50 and Sta. 93+50 of the Oliver Shoemaker and Sta. 20+10 and 31+20 of the John Sutton Drains. The new line shall consist of the following:

48"	RCP	540 ft	18"	RCP	53 ft
24"	RCP	256 ft	Open Ditch		1040 ft

The open ditch listed above is the retention facility on the attached plan between structure 06 and structures 02, 04 and 05.

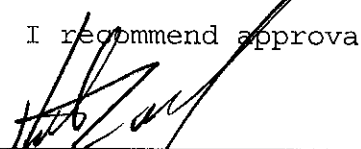
The total length of new drain shall be 1,889 feet. The 2,410 feet of original drain between the above mentioned stations of the Oliver Shoemaker and John Sutton Drains shall be vacated. This proposal will reduce 521 feet of the drains total length.

The cost of the relocation is to be paid by D. B. Mann. 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 Co.: Frontier Ins. Co.  
 Bond #: 129055  
 Bond Date: October 27, 1999  
 Bond Amount: \$134,745.00  
 Bond Term (1 Year Max): October 27, 2000

I recommend approval of the relocation by the Board at this time.

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

KCW/kkw

**THE AMERICAN INSTITUTE OF ARCHITECTS**  
*AIA Document A311*  
**PERFORMANCE BOND**

*Bond No. 129055*

KNOW ALL MEN BY THESE PRESENTS, THAT

**Mann Realty Co.**  
8653 Bash Road, Indianapolis, IN 46256-1202

as Principal, hereinafter called Contractor, and

**Frontier Insurance Company**  
195 Lake Louise Marie Road, Rock Hill, NY 12775

as Surety, hereinafter called Surety, are held firmly bound unto:

**Hamilton County Board of Commissioners**  
Hamilton County Surveyor's Office, One Hamilton County Square,  
Noblesville, IN 46060

as Obligee, hereinafter called Owner, in the amount of:

**One Hundred Thirty-four Thousand Seven Hundred Forty-five  
and 00/100 Dollars (\$134,745.00)**

for payment whereof Contractor and Surety bind themselves, their heirs, executors,  
administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated \_\_\_\_\_, entered  
into a contract with Owner for:

**Storm Sewer and Erosion Control for Relocation of the  
Oliver Shoemaker Drain Phase 2**

in accordance with Drawings and Specifications which contract is by reference made a part  
hereof, and is hereinafter referred to as the Contract.

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

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

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



# POWER OF ATTORNEY

Know All Men By These Presents: That FRONTIER INSURANCE COMPANY, a New York Corporation, having its principal office in Rock Hill, New York, pursuant to the following resolution, adopted by the Board of Directors of the Corporation on the 4th day of November, 1985:

"RESOLVED, that the Chairman of the Board, the President, or any Vice President be, and hereby is, authorized to appoint Attorneys-in-Fact to represent and act for and on behalf of the Company to execute bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, and to attach thereto the corporate seal of the Company, in the transaction of its surety business;

"RESOLVED, that the signatures and attestations of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company when so affixed with respect to any bond, undertaking, recognizance or other contract of indemnity or writing obligatory in the nature thereof;

"RESOLVED, that any such Attorney-in-Fact delivering a secretarial certification that the foregoing resolutions still be in effect may insert in such certification the date thereof, said date to be not later than the date of delivery thereof by such Attorney-in-Fact."

This Power of Attorney is signed and sealed in facsimile under and by the authority of the above Resolution.

DOES HEREBY MAKE, CONSTITUTE AND APPOINT: **Ronald J. Carter Vicki S. Duncan Sharon E. Black Janies K. McWhinnie**

of **Perrysburg**, in the State of **Ohio**, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred in its name, place and stead to sign, execute, acknowledge and deliver in its behalf, and as its act and deed, without power of redelegation, as follows:

Bonds guaranteeing the fidelity of persons holding places of public or private trust; guaranteeing the performance of contracts other than insurance policies; and executing or guaranteeing bonds and undertakings required or permitted in all actions or proceedings or by law allowed; IN AN AMOUNT NOT TO EXCEED THREE MILLION FIVE HUNDRED THOUSAND (\$3,500,000.00) DOLLARS; and to bind FRONTIER INSURANCE COMPANY thereby as fully and to the same extent as if such bond or undertaking was signed by the duly authorized officers of FRONTIER INSURANCE COMPANY, and all the acts of said Attorney(s)-in-Fact pursuant to the authority herein given are hereby ratified and confirmed.

In Witness Whereof, FRONTIER INSURANCE COMPANY of Rock Hill, New York, has caused this Power of Attorney to be signed by its President and its Corporate seal to be affixed this **29th** day of **April**, 19 **97**

FRONTIER INSURANCE COMPANY



*[Handwritten Signature]*

BY: **HARRY W. RHULEN, President**

State of New York  
County of Sullivan ss.:

On this **29th** day of **April**, 19 **97**

before the subscriber, a Notary Public of the State of New York in and for the County of Sullivan, duly commissioned and qualified, came HARRY W. RHULEN of FRONTIER INSURANCE COMPANY to me personally known to be the individual and officer described herein, and who executed the preceding instrument, and acknowledged the execution of the same, and being by me duly sworn, deposed and said, that he is the officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of the Company, and the Corporate Seal and signature as an officer were duly affixed and subscribed to the said instrument by the authority and direction of the Corporation, and that the resolution of the Company, referred to in the preceding instrument, is now in force.

In Testimony Whereof, I have hereunto set my hand, and affixed my official seal at Rock Hill, New York, the day and year above written.



*[Handwritten Signature]*

**NANCY V. PIERRO**  
Notary Public State of New York  
Sullivan County Clerk's No. 2395  
Commission Expires July 8, 1998

## CERTIFICATION

I, JOSEPH P. LOUGHLIN, Secretary of FRONTIER INSURANCE COMPANY of Rock Hill, New York, do hereby certify that the foregoing Resolution adopted by the Board of Directors of this Corporation and the Powers of Attorney issued pursuant thereto, are true and correct, and that both the Resolution and the Powers of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the facsimile seal of the corporation this **27th** day of **October**, 19 **99**



*[Handwritten Signature]*

**JOSEPH P. LOUGHLIN, Secretary**

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Oliver Shoemaker Regulated Drain Relocation / Reconstruction performed in conjunction with the development of Fishers Trade Center, Phase Two.

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 comformity with all plans and specifications .

Signature: Michael D. Little Date: November 27, 2000

Type or Print Name: Michael D. Little, P.E., Senior Project Engineer

Business Address: Melton-Packard & Associates, Inc.  
8444 Castlewood Drive, Suite 700  
Indianapolis, Indiana 46250

Telephone Number: (317) 577-0069

Fax: (317) 577-1879

SEAL



INDIANA REGISTRATION NUMBER

21232

FILED

NOV 29 2000



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 15, 2003

Re: Oliver Shoemaker Drain: Fishers Trade Center  
 Phase II Relocation

Attached are as-builts, certificate of completion & compliance, and other information for Fishers Trade Center Phase II 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 December 13, 1999. The report was approved by the Board at the hearing held April 26, 1999. (See Drainage Board Minutes Book 5, Pages 124-125 )  
 The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
Existing tile		799.15				
1	806.31	799.36	24	44		
1	806.31	799.36				
2		799.78	24	63		
Existing tile		799.36				
3	805.85	799.55	24	41		
3	805.85	799.55				
4		799.78	24	48		
5A		802.06				
5		802.61	24	68		
7		804.13	18	51	53	-2
6		799.75				
Existing Structure	810.14	802.61	48	541	540	1

**RCP Totals:**

18	51
24	264

	48	541
<b>Other Drain:</b>		
open ditch		1040

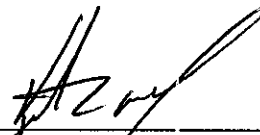
The length of the drain due to the changes described above is now **1896 feet**. There was 2410 feet of the Oliver Shoemaker and John Sutton Drains vacated with this project. Therefore, the overall drainage system was reduced by 514 feet.

The non-enforcement was approved by the Board at its meeting on May 10, 1999 and recorded under instrument #200200084568.

The bond or letter of credit from Frontier Insurance Company, number 129036; in the amount of \$132,300; was released December 26, 2000.

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

Sincerely,



---

Kenton C. Ward,  
Hamilton County Surveyor

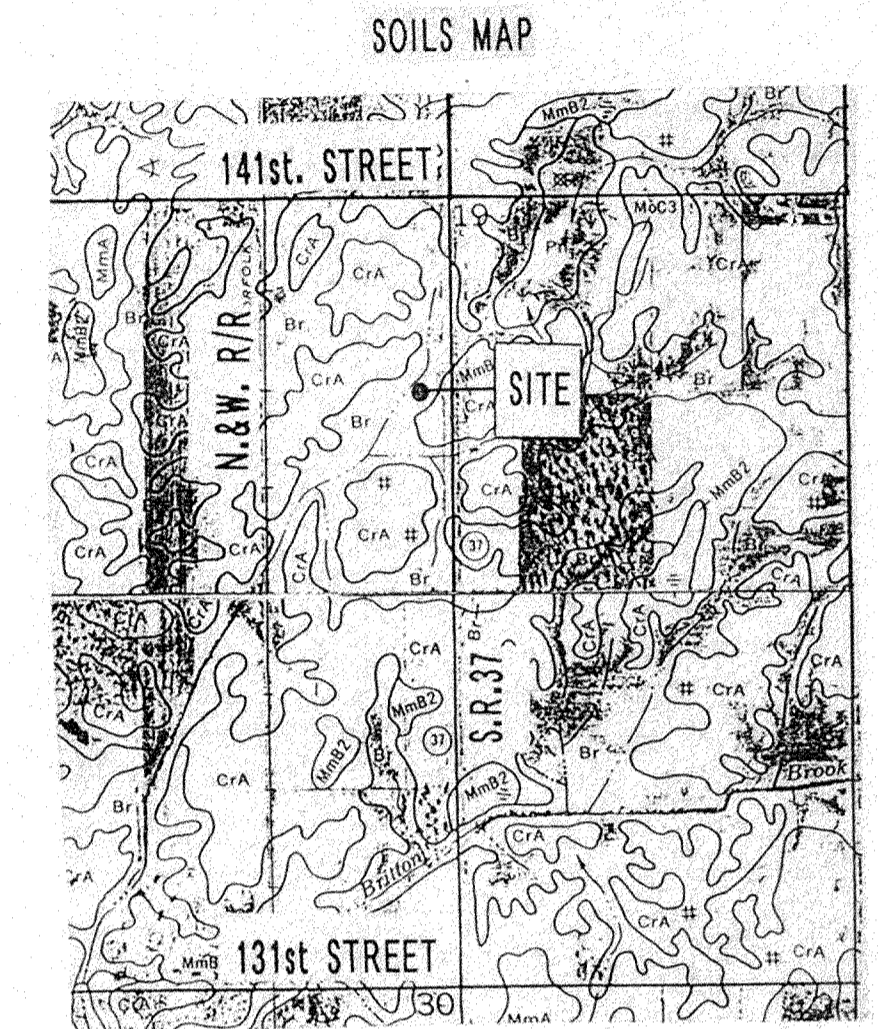
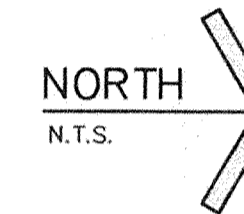
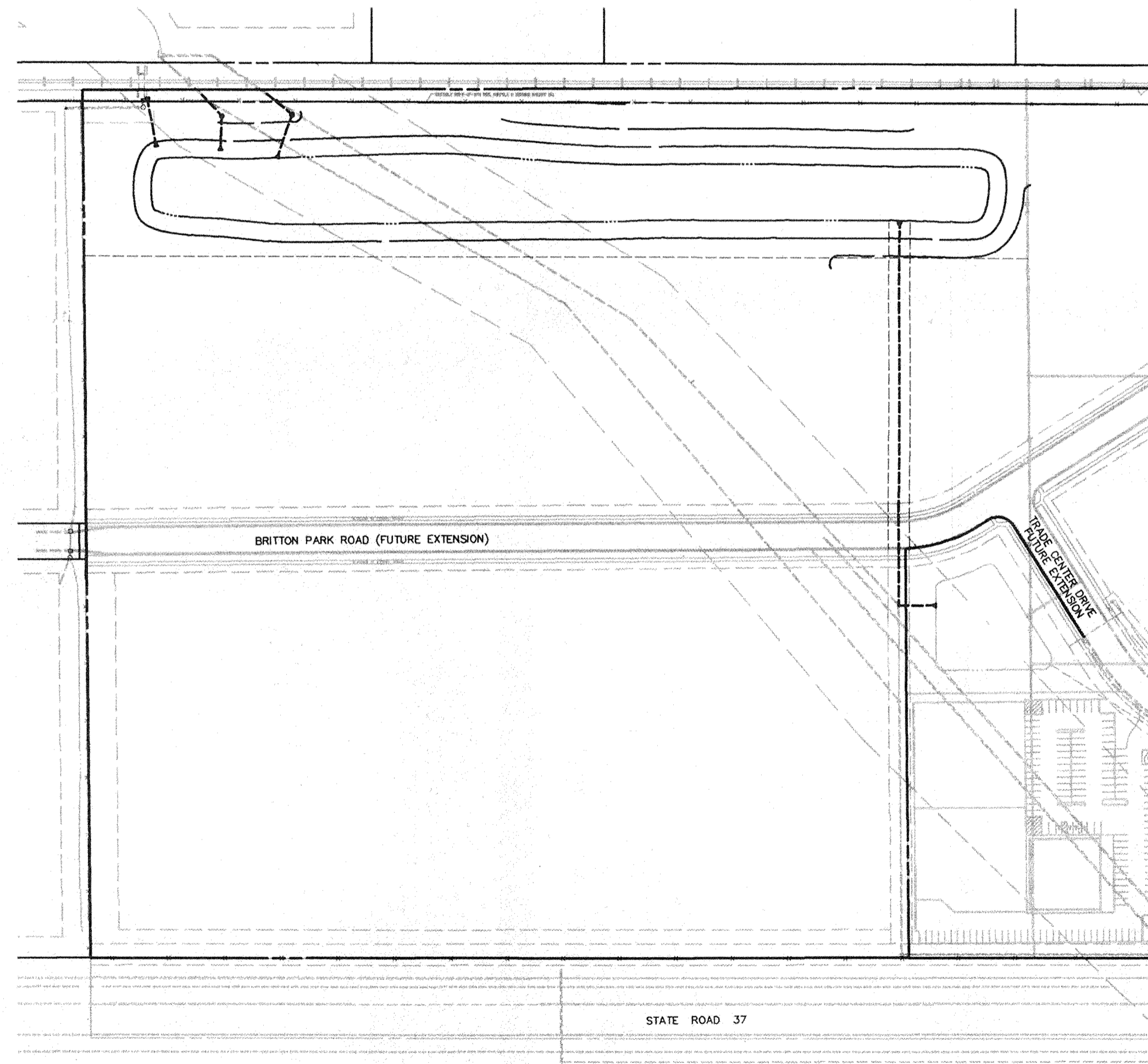
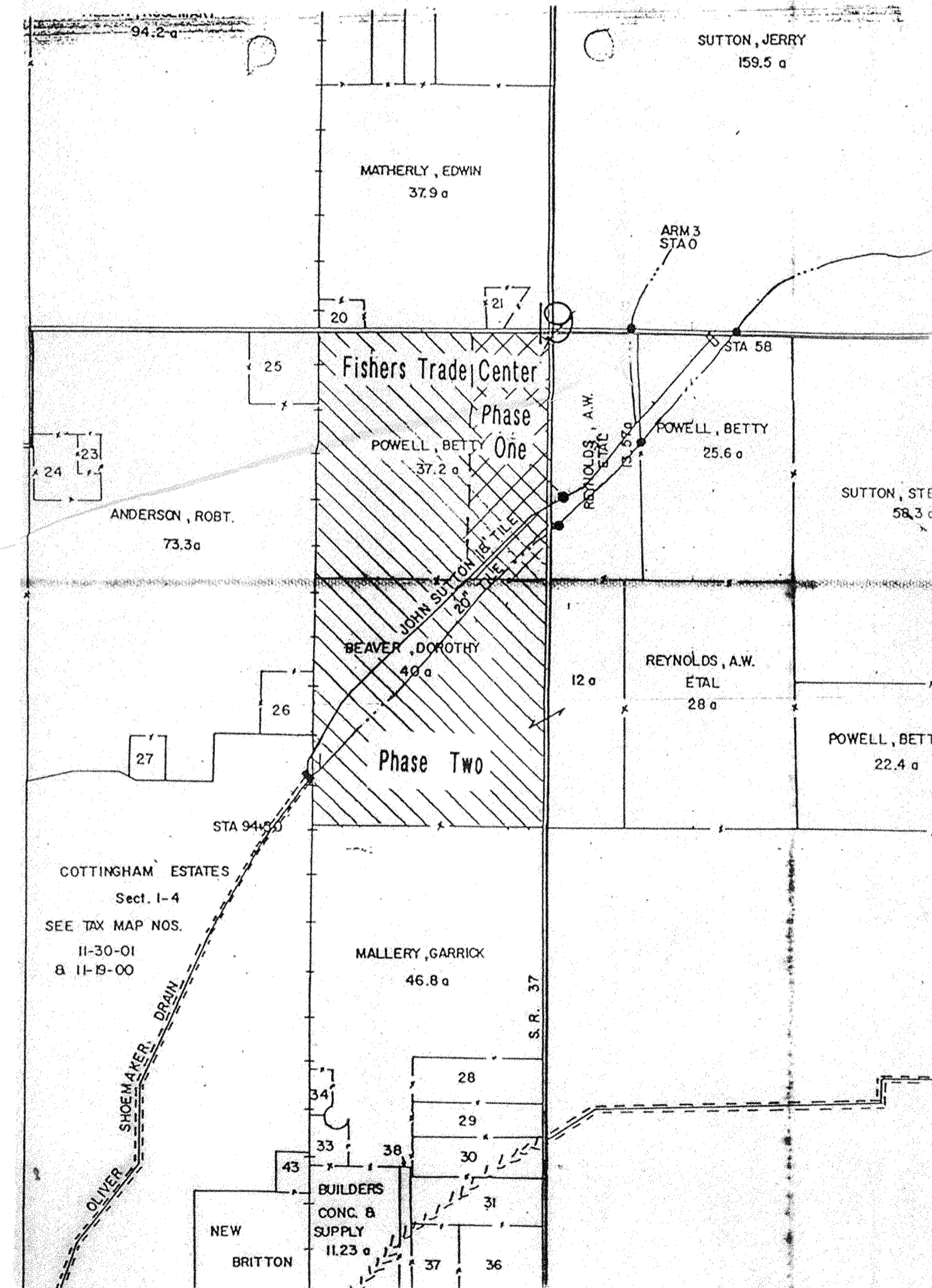
KCW/slm



# SITE CONSTRUCTION PLANS FOR RELOCATION / RECONSTRUCTION OF THE OLIVER SHOEMAKER REGULATED DRAIN

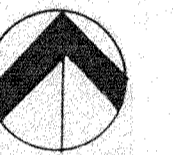
## FISHERS TRADE CENTER - PHASE TWO

### Section 19, Township 18 North, Range 5 East Fishers, Indiana



SOIL TYPES PRESENT ON SITE

Br-BROOKSTON  
CrA-CROSBY



NORTH  
SCALE: 1" = 1,320 FT.

INDEX	
SHT. NO.	DESCRIPTION
CS	COVER SHEET
C200	KEY PLAN
C201	SITE DEVELOPMENT PLAN
C202	SOIL EROSION CONTROL PLAN
C701	STORM SEWER PLAN AND PROFILE
C801	SITE DETAILS
C803	EROSION CONTROL DETAILS & SPECIFICATIONS
C901	SITE SPECIFICATIONS

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

Entry Date: 8-15-2003

Entered by: Suzanne L. Mills

PRINTED  
JUN 14 2000  
MPA

CERTIFIED THIS 7th DAY OF OCTOBER, 1999.



*Michael D. Little*  
MICHAEL D. LITTLE  
REG. PROFESSIONAL ENGINEER NO. 21232  
STATE OF INDIANA

PLANS PREPARED BY:

**MPA**

MELTON-PACKARD AND ASSOCIATES  
8444 Castlewood Drive, Suite #700  
Indianapolis, Indiana 46250  
(317) 577-0069

PLANS PREPARED FOR:

D.B. MANN DEVELOPMENT CO.  
8653 BASH STREET  
INDIANAPOLIS, INDIANA 46256  
(317) 849-0452

AS-BUILT

**FILED**

JUN 14 2000  
OFFICE OF HAMILTON COUNTY SURVEYOR

NOTE:  
 PER THE HAMILTON COUNTY SURVEYOR'S OFFICE, THE FOLLOWING ADDITIONAL ITEMS ARE TO BE ADDRESSED DURING CONSTRUCTION OF THE LEGAL DRAIN RELOCATION:  
 1. REMOVE ALL UNUSED RAIL ROAD TIES, DEBRIS AND UNDERGROWTH EAST OF THE MASONRY STRUCTURE TO THE EMERGENCY OVERFLOW.  
 2. AN AREA 30' WIDE AND CENTERED ON EACH STEEL PIPE EAST OF THE RAILROAD WILL NEED CLEARED OF ALL TREES, DEBRIS AND UNDERGROWTH.  
 3. ALL SEDIMENT AND DEBRIS WILL NEED REMOVED FROM THE MASONRY STRUCTURE.  
 4. AN AREA 30' WIDE AND CENTERED ON THE EXISTING STORM SEWER SOUTH OF THE EXISTING 48" STRUCTURE WILL NEED CLEARED FROM THE STRUCTURE TO THE SOUTHERLY PROPERTY LINE.  
 5. FLUSH AND CLEAN THE EXISTING STEEL PIPES TO THE CONCRETE HEADWALL OUTFALL TO REMOVE ANY POSSIBLE SEDIMENT AND OBSTRUCTIONS THAT MAY IMPEDE POSITIVE DRAINAGE.

NOTE:  
 RECONSTRUCTION EAST OF THE TWO 24" STEEL PIPES UNDER THE RAILROAD SHALL INCLUDE REMOVAL OF ALL NON-REINFORCED CONCRETE PIPE AND WETTED CLAY PIPE.

PROPOSED DETENTION POND  
 100 YEAR ELEV. = 805.48  
 NORMAL POOL ELEV. = 799.78  
 MIN. BOTTOM ELEV. = 791.78

NOTE:  
 THE EXISTING REGULATED DRAIN TILES WILL NEED EXPOSED AND CRUSHED SUBSEQUENT TO CONSTRUCTION OF THE NEW DRAIN.

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

Entry Date: 8-15-2003

Entered by: Suzanne L. Miller

**NOTES:**

- UTILITY COMPANIES: AMERITECH PUBLIC SERVICE OF INDIANA (ELECTRIC), HAMILTON SOUTHEASTERN UTILITIES, INC. (INDIANAPOLIS WATER COMPANY), INDIANAPOLIS GAS COMPANY
- COMPACTED GRANULAR BACKFILL REQUIRED OVER ALL UTILITIES IN PAVED AREAS.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE ALL MAINS, CONDUITS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES AND FACILITIES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY) IS THE EXPRESSED RESPONSIBILITY OF THE CONTRACTOR.
- RCP = REINFORCED CONCRETE PIPE CLASS III  
 PVC = POLYVINYL CHLORIDE  
 HCSP = HELICALLY CORRUGATED STEEL PIPE - 16 GAUGE ALUMINIZED
- FLEXIBLE PIPE TO BE INSTALLED PER ASTM D-2321, CLASS 1,2, OR 3 BEDDING. RIGID PIPE TO BE INSTALLED PER ASTM C-12.
- 20 LINEAL FEET OF 4" SUBSURFACE DRAIN REQUIRED EACH WAY (UPGRADE) FROM ALL STORM INLETS (UNLESS OTHERWISE NOTED ON PLANS).
- ALL STORM STRUCTURE CASTINGS SPECIFIED ARE NEENAH FOUNDRY MODEL NUMBERS.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL CONFORM TO TOWN OF FISHERS STANDARD SPECIFICATIONS, LATEST EDITION.
- MAXIMUM LAWN SLOPE IS 3:1.
- TC = TOP OF CURB = TOP OF CASTING.
- ALL SPOT ELEVATIONS ARE TO FINISHED GRADE.

**EXISTING**

- SPOT ELEVATION
- CONTOUR
- MANHOLE/INLET
- INLET
- PIPE END SECTION
- AREA/STREET LIGHT
- UTILITY POLE
- UTILITY POLE WITH GUY LINE
- TELEPHONE RISER
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC

**PROPOSED**

- SPOT ELEVATION
- GRADE
- SANITARY SEWER
- MANHOLE
- STORM SEWER

- UNDERGROUND CABLE TELEVISION
- WATER LINE
- WATER VALVE
- FIRE HYDRANT
- GAS LINE
- DECIDUOUS TREE/BUSH
- EVERGREEN TREE/BUSH
- TREE/SHRUB LINE
- FENCE
- SIGN
- INLET
- PIPE END SECTION
- SUBSURFACE DRAIN
- WATER MAIN
- FIRE HYDRANT

**STRUCTURE DATA TABLE**  
 STRUCTURES PLANNED FOR THE RECONSTRUCTED REGULATED DRAIN

Str. No.	Str. Type/Casting	T.C. Elev.	Invert (Dir.)	Pipe Size
01	M.H. "F" / R-1772-A	804.87 806.31	799.36 799.34 (E.) 799.36 799.34 (S.W.)	24" RCP 24" STEEL
02	CONC. END SECTION		799.78 (W.)	24" RCP
03	M.H. "F" / R-1772-A	804.54 805.85	799.55 799.36 (E.) 799.55 799.36 (S.W.)	24" RCP 24" STEEL
04	CONC. END SECTION		799.78 (W.)	24" RCP
05	CONC. END SECTION		802.61 802.60 (W.)	24" RCP
06	CONC. END SECTION		799.75 799.73 (E.)	48" RCP
07	CONC. END SECTION		804.13 804.20 (S.)	18" RCP
05A	CONC. END SECTION		802.06 801.92 (E.)	24" RCP
EX1	EXISTING M.H.	810.14 810.37	800.32 (E.) DISCONNECTED 808.7 (N.E.) DISCONNECTED 808.7 (S.W.) 800.31 800.32 (W.)	48" RCP 18" VCP 18" VCP 48" RCP
EX2	EXISTING M.H.	810.20	800.32 (E.) 800.32 (W.) DISCONNECTED 808.7 (N.E.) DISCONNECTED 808.7 (S.W.)	48" RCP 48" RCP 21" VCP 21" VCP
EX3	EXISTING M.H.	806.52	802.13 (S.) 802.13 (W.)	21" RCP 24" RCP

NOTE:  
 REMOVE EXISTING 18" VCP S.W. AND GROUT VOID HOLE PER HAMILTON COUNTY SURVEYOR'S INSPECTOR'S INSTRUCTIONS SUBSEQUENT TO COMPLETION OF LEGAL DRAIN RELOCATION OPERATION.

30' DRAINAGE EASEMENT PER HAMILTON COUNTY DRAINAGE BOARD APPROVAL APRIL 26, 1999.



**MPA**  
 MELTON-PACKARD & ASSOCIATES  
 Civil Engineers & Land Surveyors  
 6910 N. Shadeland Avenue • Indianapolis, Indiana 46220 • (317) 577-0069

**SITE DEVELOPMENT PLAN**  
**FISHERS TRADE CENTER**  
 PHASE TWO  
 FISHERS, INDIANA

REVISIONS  
 10/20/99 - REV. DETENTION POND  
 11/18/99 - REV. PER CO. SURVEYOR  
 12/01/99 - REV. PER CO. SURVEYOR  
 01/10/00 - REV. PER HOOPER HERITAGE  
 PART AUTHORITY COMMENTS.  
 06/05/00 - AS-BUILT.

REGISTERED PROFESSIONAL ENGINEER  
 No. 21232  
 STATE OF INDIANA  
 Michael J. Little

**NORTH**

SCALE: 1" = 50'

DRAWING: 95380221  
 DATE: 10/07/99  
 PROJ. NO.: 9538  
 SHEET NO. 14  
 JUN 14 2000  
 OFFICE OF HAMILTON COUNTY SURVEYOR  
 TUBE FILE #

REVISIONS

10/20/99	REV. DETENTION POND DEP.
11/18/99	REV. PER CO. SURVEYOR
12/01/99	REV. PER CO. SURVEYOR
01/10/00	REV. PER HOOPER MORTGAGE PORT. AUTHORITY COMMENTS
06/05/00	4-SHEET



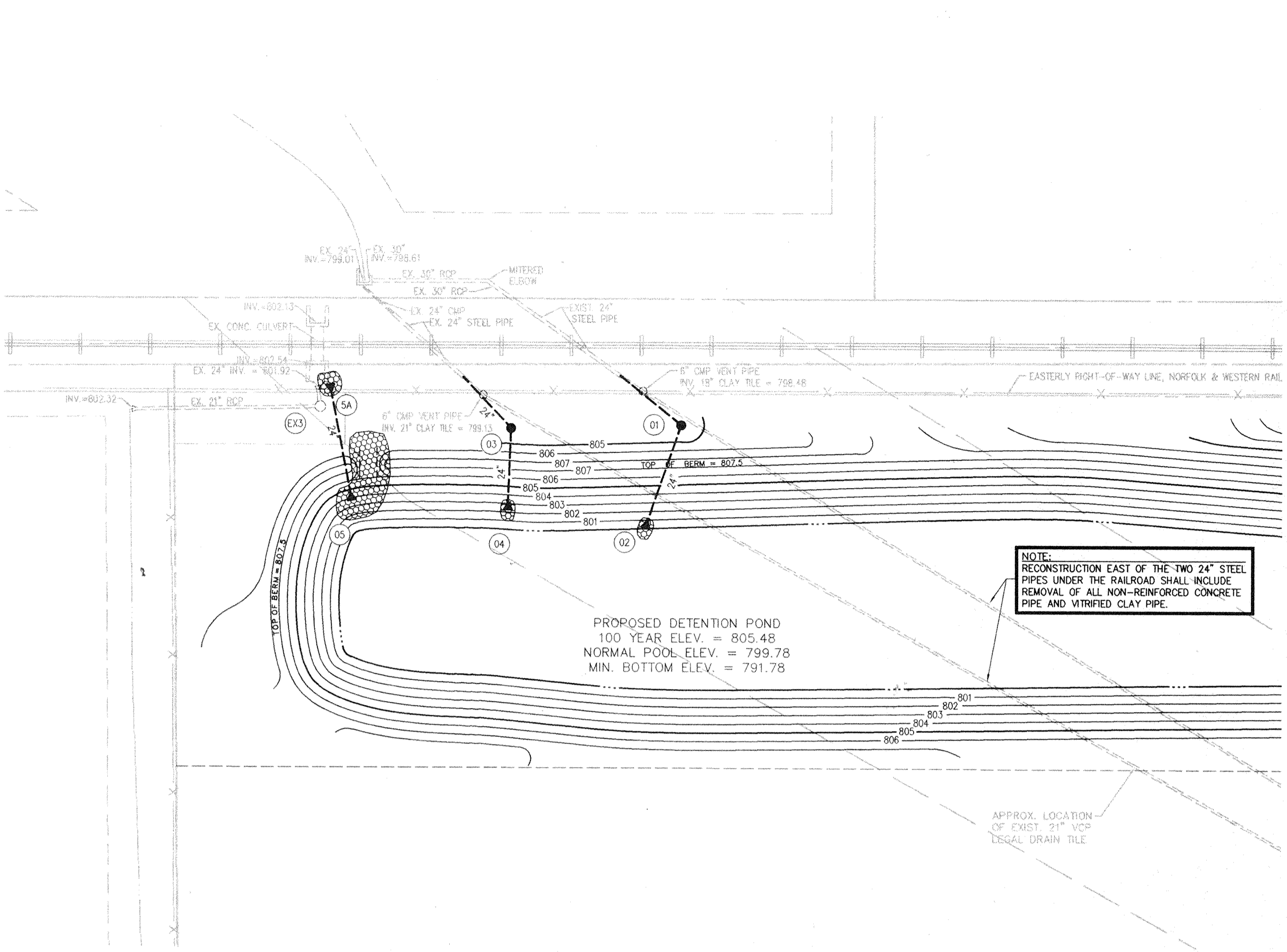
Michael D. Little

PRINTED  
JUN 14 2000  
MPA

DRAWING: 9538D271  
DATE: 10/07/99  
SCALE: AS SHOWN

OFFICE OF HAMILTON COUNTY SURVEYOR  
JUN 14 2000  
C-701

TUBE FILE #



- NOTE: 1) CONTRACTOR MUST FIELD VERIFY EXISTING INVERT ELEVATION OF UPSTREAM END OF STEEL PIPE PRIOR TO INSTALLING STORM MANHOLES #01 AND #03.
- 2) CONTRACTOR MUST COORDINATE ALL WORK OPERATIONS WITHIN THE RAILROAD RIGHT-OF-WAY WITH THE OWNERS OF SAID RAILROAD RIGHT-OF-WAY.

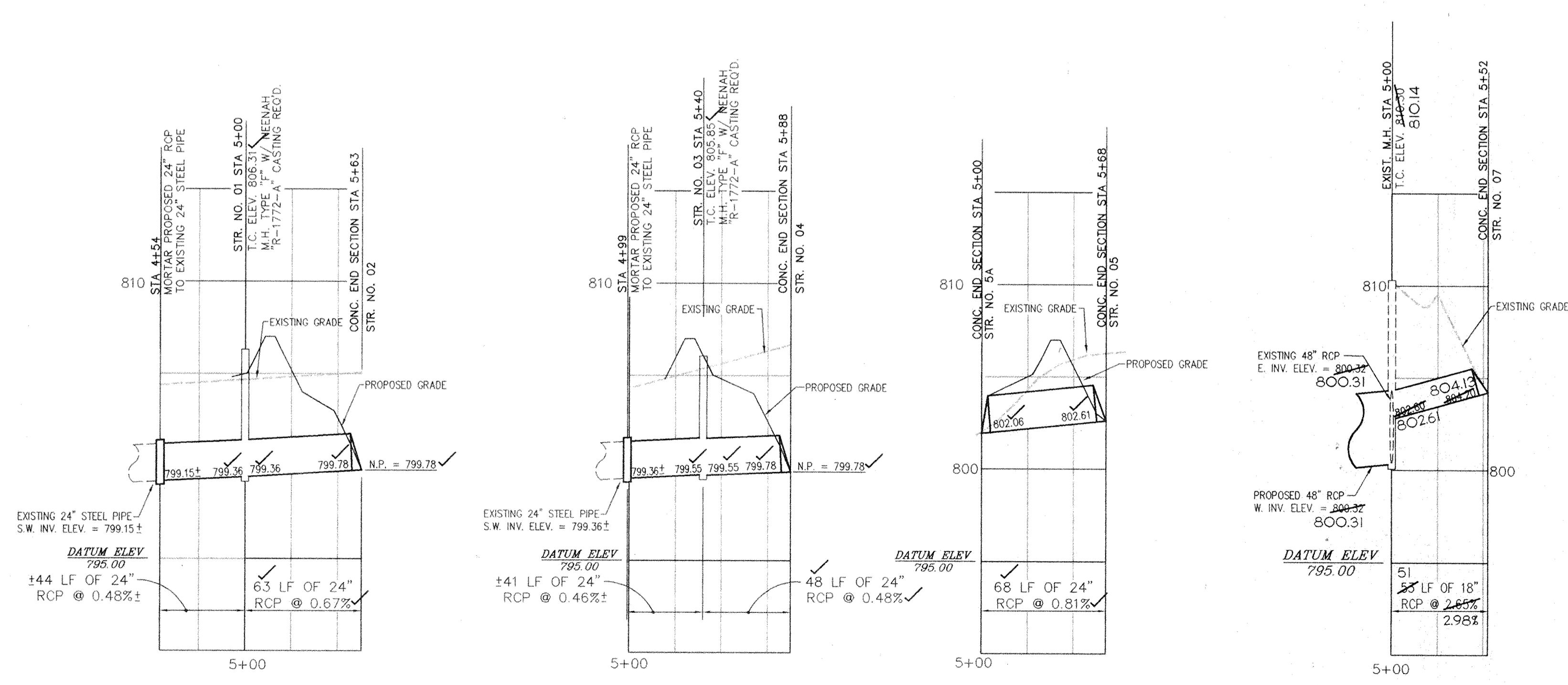
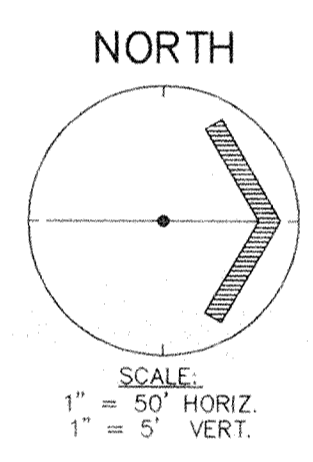
**BENCHMARK**

BENCHMARK  
(H.S.E. 19) H.S.E. DISC IN CONCRETE ON NORTH SIDE OF PLANTANA ENTRANCE FROM CUMBERLAND ROAD, WEST OF NORTH ENTRANCE WALL.

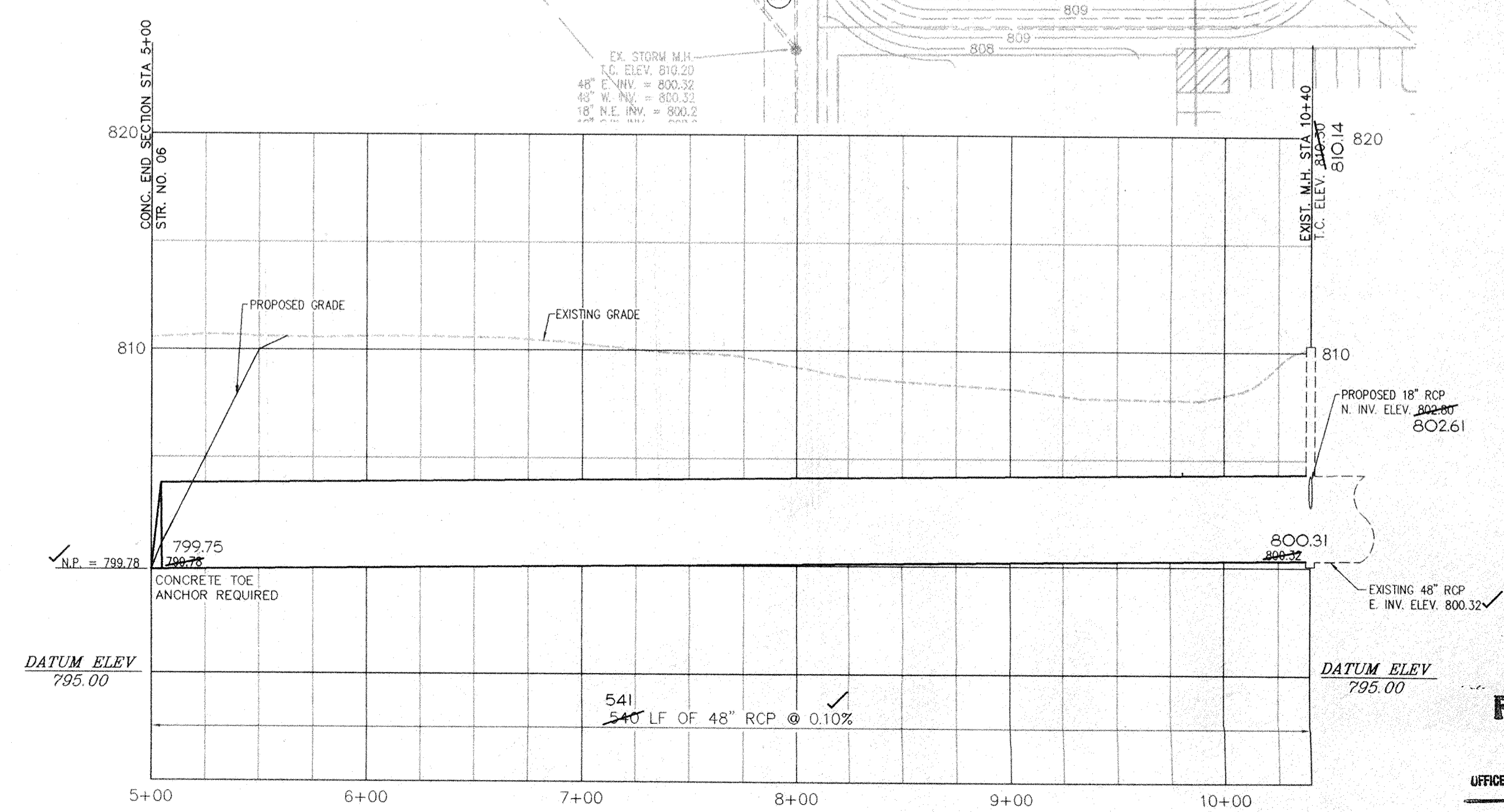
ELEVATION = 822.36  
(N.A.V.D. 1988 DATUM)

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

Entry Date: 8-15-2003  
Entered by: Suzanne Mills



SUBSEQUENT TO THE INSTALLATION OF THE 48" RCP FROM #06 TO EX MANHOLE, THE 18" AND 21" EXISTING FIELD TILES SHALL BE REMOVED FROM THE TWO EXISTING STORM MANHOLES AND THE VOID PROPERLY REPAIRED BY UTILIZING NON-SHRINK GROUT AND AS DIRECTED BY COUNTY SURVEYOR'S INSPECTORS.



Bolt to apron 6" from edge of concrete  
3 bolt plates req'd - 1/4" x 4" x 10"

Apron Size	V-bar Size	H-bar Size	No. of H-bars Req'd	Bolt Dia.	"A" Dim.
18	1/2"	3/4"	3	1/2"	5
24	5/8"	3/4"	4	1/2"	7
30	5/8"	3/4"	4	1/2"	7 1/2
36	3/4"	1"	4	1/2"	10 1/2
42	3/4"	1"	4	1/2"	11
48	3/4"	1 1/2" pipe	4	3/4"	12
54	3/4"	1 1/2" pipe	4	3/4"	12
60	3/4"	1 1/2" pipe	5	3/4"	14
72	3/4"	1 1/2" pipe	5	3/4"	14
84	3/4"	1 1/2" pipe	6	3/4"	15

Apron Size	V-bar Size	H-bar Size	No. of H-bars Req'd	Bolt Dia.	"A" Dim.
12	1/2"	3/8"	3	1/2"	4
15	1/2"	3/8"	3	1/2"	4 1/2
18	1/2"	3/8"	4	1/2"	4 1/2
21	1/2"	3/8"	4	1/2"	5
24	5/8"	3/4"	4	1/2"	5
27	5/8"	3/4"	4	1/2"	5 1/2
30	5/8"	3/4"	4	1/2"	5 1/2
36	3/4"	1"	4	3/4"	8
42	3/4"	1"	4	3/4"	8
48	3/4"	1"	5	3/4"	8
54	3/4"	1 1/2" pipe	5	3/4"	8
60	3/4"	1 1/2" pipe	5	3/4"	8
66	3/4"	1 1/2" pipe	6	3/4"	8
72	3/4"	1 1/2" pipe	6	3/4"	9
84	3/4"	1 1/2" pipe	7	3/4"	10
90	3/4"	1 1/2" pipe	7	3/4"	14

NOTES:  
1. BARS & PLATES ARE HOT-ROLLED STEEL.  
2. BARS, PLATES, & PIPE ARE FINISHED WITH 2 COATS OF ALUMINUM PAINT.  
3. BOLTS ARE GALVANIZED.  
4. SEE STD. PLATES A-10 & A-11 FOR APRON DIMENSIONS.  
5. TRASH GUARDS WITH DIFFERENT DIAMETER BARS ARE AVAILABLE. SPECIAL ORDER

REVISIONS		TRASH GUARDS FOR CONC. APRONS		
NO.	DATE	BY	SCALE	MATERIAL
1	11-14-80	J.P.L.	NONE	STEEL
DRAWN BY		JERRY D. CHRY	DATE	1-27-72
CHECKED		J.P.L.	DATE	1-27-72
APPROVED		J.P.L.	DATE	1-27-72
DRAWING NO.		A-27		

OFFICE OF THE HAMILTON COUNTY SURVEYOR

## ANCHOR

ALL-THREAD SPACING TO BE "ONE FOOT"  
END SECTION - 2 ALL-THREAD  
34" END SECTION - 4 ALL-THREAD

HAMILTON COUNTY SURVEYOR'S OFFICE

APPROVED: *[Signature]* AUG 17 1988

DIMENSIONS									
DIA	T	A	C	D	E	K	R1	R2	APPROX WEIGHT
12"	2"	5"	4"	3"	2"	2"	1.3"	9"	800
15"	2 1/4"	7"	4"	3"	2"	2"	1.5"	11"	1100
18"	2 1/2"	11"	4"	3"	2"	2"	1.8"	12"	1300
21"	2 3/4"	11"	5"	3"	2"	2"	2.1"	13"	1500
24"	3"	11"	5"	3"	2"	2"	2.3"	14"	1800
27"	3 1/4"	11"	5"	3"	2"	2"	2.6"	14 1/2"	2100
30"	3 1/2"	11"	5"	3"	2"	2"	2.9"	15"	2400
33"	3 3/4"	11"	5"	3"	2"	2"	3.1"	17 1/2"	4100
36"	4"	11"	5"	3"	2"	2"	3.4"	20"	4200

CONCRETE END SECTION

DETENTION FACILITY DESIGN - PHASE TWO  
10YR, 6 HOUR SCS TYPE II RAINFALL

STAGE DISCHARGE TABLE

STAGE (ft)	DISCHARGE (cfs)	STAGE (ft)	DISCHARGE (cfs)	STAGE (ft)	DISCHARGE (cfs)	STAGE (ft)	DISCHARGE (cfs)
805.50	0.0000	806.10	17.067	806.70	54.349	807.30	111.01
805.60	1.0395	806.20	21.958	806.80	62.424	807.40	122.40
805.70	3.0989	806.30	27.379	806.90	71.040	807.50	134.37
805.80	5.6543	806.40	33.327	807.00	80.201		
805.90	8.9003	806.50	39.804	807.10	89.513		
806.00	12.711	806.60	46.810	807.20	100.18		

OFFICE OF THE HAMILTON COUNTY SURVEYOR

## LAKE CROSS-SECTIONS OPTION 3

USE OUTLET OPTION 3

HAMILTON COUNTY SURVEYOR'S OFFICE

APPROVED: *[Signature]* OCT 19 1988

OFFICE OF THE HAMILTON COUNTY SURVEYOR

## STANDARD MANHOLE FOR PIPE SIZES 24" THRU 48"

MANHOLE DIA. (")	PIPE DIA. (")	PIPE TURNS
48"	48"	GREATER THAN 45 TO 90 DEG
42"	42"	UP TO 45 DEG
36"	36"	UP TO 45 DEG
30"	30"	UP TO 45 DEG
24"	24"	UP TO 45 DEG

HAMILTON COUNTY SURVEYOR'S OFFICE

APPROVED: *[Signature]* JUL 07 1989

OVERFLOW WEIR DETAIL

SUBSURFACE DRAIN (NON-PAVED AREA)

SUBSURFACE DRAIN (PAVED AREA)

REVISIONS

NO.	DATE	DESCRIPTION
1	10/20/89	REV. OVERFLOW WEIR DETAIL
2	11/18/89	REV. PER CO. SURVEYOR

REGISTERED PROFESSIONAL ENGINEER  
MICHAEL D. LITTLE  
No. 21232  
STATE OF INDIANA

PRINTED JUN 14 2000 MPA

DRAWING: 95380281  
DATE: 10/07/99  
PROJ. NO.: 9538  
DRAWN BY: MPA  
CHECKED BY: MPA  
SHEET NO.: 3 OF 3

MELTON-PACKARD & ASSOCIATES  
Civil Engineers • Land Surveyors  
6910 N. Shadeland Avenue • Indianapolis, Indiana 46220 • (317) 577-0869

**MPA**

SITE DETAILS  
FISHERS TRADE CENTER  
PHASE TWO  
FISHERS, INDIANA

SHEET TITLE PROJECT NAME: 3 OF 3

REGISTERED PROFESSIONAL ENGINEER  
MICHAEL D. LITTLE  
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SHEET NO.: 3 OF 3



**GENERAL NOTES**

- REFER TO THE INDIANA DEPARTMENT OF HIGHWAYS (IDOH) STANDARD SPECIFICATIONS, 1995 EDITION, FOR BASIC MATERIALS AND CONSTRUCTION METHODS. THE SECTIONS BELOW FOR VARIOUS ITEMS ARE TO CLARIFY THE INTENT OF THE REQUIREMENTS FOR THIS PROJECT. PLEASE NOTE THAT OTHER SECTIONS OF THE IDOH STANDARD SPECIFICATIONS MAY ALSO BE APPLICABLE.
- CONTRACTORS SHALL CHECK WITH ENGINEER PRIOR TO START OF CONSTRUCTION TO VERIFY DATE OF PLANS. MINOR CHANGES MAY BE MADE IF ALL REVIEWING AGENCY APPROVALS ARE NOT GRANTED BEFORE BIDDING. CHANGES IN COST SHALL BE NEGOTIATED PRIOR TO PHYSICAL CONSTRUCTION AND BASED ON UNIT PRICES SUBMITTED ON THE CONTRACT.
- CONTRACTORS SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE ALL MAINS, CONDUITS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES AND FACILITIES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY), IS THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR IN THE PERFORMANCE OF THE CONTRACT AND IN PREPARATION OF THE BID.
- BACKFILL AROUND ALL STRUCTURES AND IN ALL TRENCHES BENEATH PAVED AREAS SHALL BE COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH IDOH SECTION 211.
- FILL MATERIAL SHALL CONSIST OF EARTH OBTAINED FROM CUT AREAS, BORROW PITS OR OTHER APPROVED SOURCES. EARTH SHALL BE FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AND LARGE ROCKS. THE FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES FOLLOWING COMPACTION. PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BENEATH PAVED AREAS, FLOOR SLABS AND FUTURE BUILDINGS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557. FIELD COMPACTION TEST SHALL BE RUN ON EACH LIFT, IN FILL SECTIONS, AND THE REQUIRED COMPACTION ON EACH LIFT SHALL BE ATTAINED PRIOR TO PLACING THE NEXT LIFT. COMPACTION TESTS SHALL BE IN ACCORDANCE WITH IDOH SECTION 211.

**CLEARING AND GRUBBING**

- CLEARING AND GRUBBING SHALL CONSIST OF CUTTING, REMOVING AND SATISFACTORY DISPOSING OF ALL TREES, DOWNED TIMBER, BRUSH, PROTECTING ROOTS, STUMPS, RUBBISH, BOULDERS, BROKEN CONCRETE, FENCING (AS DESIGNATED), AND OTHER MATERIAL ON THE PROJECT SITE AND WITHIN THE BOUNDARY AS SHOWN ON THE CONSTRUCTION DOCUMENTS AND/OR AS DESIGNATED BY "CONSTRUCTION LIMITS".
- ALL "UNSUITABLE MATERIAL" FROM CLEARING OPERATIONS SHALL BE REMOVED TO DISPOSAL AREA(S) OFF OF THE PROJECT SITE; UNLESS A "BURY PIT" SHALL BE LOCATED WHERE IMPOUNDMENT OF SURFACE WATER MAY OCCUR.
- MATERIALS SHALL NOT BE DISPOSED OF BY BURNING UNLESS APPROVED BY THE LOCAL FIRE MARSHAL.

**TREE REMOVAL AND PROTECTION**

- TREES SHALL BE REMOVED FROM THE PROJECT ONLY WHERE THE AREA IS TO BE OCCUPIED BY ROAD AND SURFACED AREAS.
- TREES SHALL BE REMOVED FROM THE PROJECT SITE AS DIRECTED BY THE DEVELOPER.
- TREES SHALL BE REMOVED FROM THE PROJECT SITE WHERE THEY INTERFERE DIRECTLY WITH THE PLACEMENT OF STORM OR SANITARY SEWERS, AND THAT SUCH EXCAVATION IS OR WILL BE FATAL TO SUCH ADJACENT TREES.
- THE CONTRACTOR SHALL ENDEAVOR TO SAVE AND PROTECT TREES OF VALUE AND WORTH WHICH DO NOT IMPAIR CONSTRUCTION OF IMPROVEMENTS AS DESIGNATED. IN THE EVENT CUT OR FILL EXCEEDS 0.5 FEET OVER THE ROOT AREA, THE DEVELOPER SHALL BE CONSULTED WITH RESPECT TO PROTECTIVE MEASURES TO BE TAKEN, IF ANY, TO PRESERVE SUCH TREES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE METHOD FOR PROTECTION OF TOPS, TRUNKS AND ROOTS OF EXISTING TREES ON THE PROJECT SITE THAT ARE TO REMAIN. EXISTING TREES SUBJECT TO CONSTRUCTION DAMAGE SHALL BE BOXED, FENCED OR OTHER MATERIAL AND EQUIPMENT SHALL NOT BE STOCKPILED OR STORED WITHIN THE SPREAD OF BRANCHES. BRANCHES WHICH NEED TO BE REMOVED OR ARE BROKEN SHALL BE NEATLY TRIMMED AND SCARS SHALL BE COVERED WITH TREE PAINT.

**STRIPPING OF TOPSOIL**

- THE CONTRACTOR SHALL VERIFY THAT ALL TOPSOIL HAS BEEN REMOVED IN THE AREAS TO BE OCCUPIED BY ROAD, WALKS AND DESIGNATED BUILDING AREAS. TOPSOIL SHALL BE REMOVED TO A DEPTH OF SIX (6) INCHES OR DEEPER, IF NECESSARY, TO REMOVE ORGANIC MATTER WHERE REQUIRED.
- TOPSOIL SHALL BE KEPT SEPARATED FROM SUITABLE FILL MATERIALS AND SHALL NOT BE USED AS FILL UNDER PAVEMENT, BUILDING AREAS AND/OR FUTURE STRUCTURAL AREAS.
- TOPSOIL SHALL BE STORED AT A LOCATION WHERE IT DOES NOT INTERFERE WITH CONSTRUCTION OPERATIONS. EXCESS TOPSOIL SHALL BE REMOVED FROM THE SITE.
- TOPSOIL SHALL BE REASONABLY FREE FROM SUBSOIL DEBRIS AND STONES.

**PAVEMENT CONSTRUCTION**

- THE TOWN OF FISHERS THOROUGHFARE PLAN ORDINANCE AND SUBDIVISION CONTROL ORDINANCE SHALL APPLY TO WORKMANSHIP AND MATERIALS IN CONSTRUCTION OF SUBGRADE, PAVEMENT, CURBS AND WALKS.
  - PREPARE THE SUBGRADE IN ACCORDANCE WITH IDOH SECTION 207. NO TRAFFIC WILL BE PERMITTED ON THE PREPARED SUBGRADE PRIOR TO PAVING.
  - BITUMINOUS PAVEMENT IN ACCORDANCE WITH IDOH SECTION 403.
  - FINISHING EARTH GRADED SHOULDERS, DITCHES AND SLOPES IN ACCORDANCE WITH IDOH SECTION 208.

**CONCRETE CURB AND WALKS**

- SEE DETAIL SHEET FOR TYPE AND DETAILS.
- CONCRETE SHALL BE READY MIXED PORTLAND CEMENT CONFORMING TO A.S.T.M. C-150, AND WATER AGGREGATES SHALL CONFORM TO A.S.T.M. C-33. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 4000 P.S.I. WHERE REQUIRED, REINFORCEMENT SHALL BE WELDED STEEL WIRE FABRIC CONFORMING TO A.S.T.M. A-185.
- ALL EXTERIOR CONCRETE SHALL CONTAIN 3% TO 6% AIR ENTRAINMENT.
- APPLICATION
  - PLACE CONCRETE ONLY ON A MOIST, COMPACT SUBGRADE OR BASE FREE FROM LOOSE MATERIAL. PLACE NO CONCRETE ON MUDDY OR FROZEN SUBGRADE IN ACCORDANCE WITH IDOH SECTION 604 AND 605.
  - CONCRETE SHALL BE DEPOSITED SO AS TO REQUIRE AS LITTLE REHANDLING AS PRACTICAL. WHEN CONCRETE IS TO BE PLACED AT AN ATMOSPHERIC TEMPERATURE OF 35 DEGREES F OR LESS, PARAGRAPH 702.10 OF THE I.S.H.C. SPECIFICATIONS SHALL APPLY.
  - EXCEPT AS OTHERWISE SPECIFIED, CURE ALL CONCRETE BY ONE OF THE METHODS DESCRIBED IN IDOH SECTION 501.17.
- TOP OF CASTING ELEVATIONS REFER TO THE CASTING'S RIM OR TOP OF CURB. THE CURB CONTRACTOR SHALL INSURE THAT CURB INLET CASTINGS ARE SET A PROPER ELEVATION PRIOR TO CONSTRUCTION OF ADJACENT CURB.

**DEMOLITION**

- THE CONTRACTOR SHALL EXCAVATE, DEMOLISH, REMOVE AND DISPOSE OF THE DEBRIS FROM THE AREAS SHOWN ON THE SITE DEVELOPMENT PLAN.
  - BUILDING WALLS.
  - FOUNDATIONS.
  - PAVEMENT (CONCRETE, ASPHALT AND BRICK).
  - CONCRETE SLABS.

- ALL MATERIAL AS A RESULT OF THE GENERAL DEMOLITION SHALL BE THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR'S LUMP SUM BID PRICE FOR THE DEMOLITION SHALL TAKE INTO ACCOUNT THE SALVAGEABLE VALUE OF MATERIALS AND SAID BID PRICE SHALL REFLECT SAID SAVINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO DEMOLISH AND REMOVE DESIGNATED FOUNDATION WALLS, RETAINING WALLS, CURBING, CONCRETE SLABS, PAVING, TANKS, STRUCTURES, PIPES, MANHOLES AS SHOWN ON THE CONTRACT DOCUMENTS. ALL EXISTING BASEMENT FLOOR SLABS THAT ARE NOT REMOVED SHALL BE BROKEN UP SUFFICIENTLY TO PERMIT DRAINAGE THROUGH THE SLAB. ALL EXISTING BASEMENT WALLS, FOUNDATIONS, FLOOR SLABS, AND ETC. SHALL BE REMOVED TO AN ELEVATION SUCH THAT THEY WILL NOT SUPPORT PROPOSED FLOOR SLABS OR PAVEMENTS.
- THE CONTRACTOR SHALL OBTAIN FROM THE TOWN OF FISHERS, AND ALL OTHER APPLICABLE GOVERNMENTAL AUTHORITIES, NECESSARY PERMITS REQUIRED. A COPY OF SUCH PERMITS TO BE FURNISHED TO THE OWNER PRIOR TO COMMENCEMENT OF ANY WORK REQUIRED HEREIN. THE CONTRACTOR SHALL FURTHER FURNISH TO THE OWNER PROOF THAT HE HAS COMPLIED WITH THE PROVISIONS OF THE MUNICIPAL CODE OF FISHERS, INDIANA.

**UTILITIES**

- ALL WATER LINES FROM INDIANAPOLIS WATER CO. MAIN TO ANY BUILDING SHALL BE INSTALLED OF MATERIAL AND WORKMANSHIP AS APPROVED WITH THE INDIANAPOLIS WATER CO.
- CONDUIT SHALL BE REQUIRED FOR ALL ELECTRICAL AND TELEPHONE LINES UNDER PAVED AREAS.
- COMPACTED GRANULAR BACKFILL SHALL BE REQUIRED FOR ALL CROSSINGS OF PAVED AREAS PER TOWN OF FISHERS.

**SANITARY SEWER SPECIFICATIONS**

SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER CONSTRUCTION AS ADOPTED BY HAMILTON SOUTHEASTERN UTILITIES, INC. (SEE SHEET 902)

**STORM SEWER SPECIFICATIONS**

- STANDARD SPECIFICATIONS OF THE TOWN OF FISHERS AND INDIANA DEPARTMENT OF HIGHWAYS SHALL APPLY FOR ALL WORK AND MATERIALS. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH IDOH SECTION 715.
- ALL REINFORCED CONCRETE STORM SEWER PIPE (RCP) SHALL CONFORM TO ASTM DESIGNATION C-76 CLASS III. ALL HELICALLY CORRUGATED STEEL PIPE (HCSP) SHALL BE ALUMINIZED AND SHALL CONFORM AASHO M36, 16 GAUGE IN ACCORDANCE WITH IDOH SECTION 907.
- BACKFILL AROUND ALL STRUCTURES AND CUTS UNDER PAVED AREAS WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH IDOH SECTION 211 AND 715.
- SEE STANDARD DETAIL SHEET FOR CONSTRUCTION DIMENSIONS OF STORM STRUCTURES, MANHOLE, INLETS AND CATCH BASINS SHALL BE IN ACCORDANCE WITH IDOH SECTION 720. PRECAST CONCRETE AND STEEL FOR MANHOLES AND INLETS SHALL BE IN ACCORDANCE WITH ASTM C-478.
- STORM SEWER DISCHARGE AREAS AND INVERTS ARE TENTATIVE AND ARE SUBJECT TO FIELD MODIFICATIONS BY THE ENGINEER OR HIS REPRESENTATIVE. THE CONTRACTOR WILL BE REIMBURSED FOR ANY ADDITIONAL LABOR AND MATERIALS NECESSARY TO COMPLETE ANY MODIFICATIONS ACCORDING TO THE UNIT PRICES SUBMITTED BY THE CONTRACTOR OR THE CONTRACT AMOUNT.
- THE CONTRACTOR SHALL PROVIDE AT LEAST 2' OF COVER OVER ALL STORM SEWERS, UNLESS OTHERWISE INDICATED BY PLANS.
- RIP RAP SHALL BE A MINIMUM OF 1/3 CUBIC FOOT IN SIZE AND A MINIMUM 18" IN DEPTH. DIMENSIONS FOR RIP RAP IN THESE PLANS ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL BEST PLACEMENT OF RIP RAP SHALL BE DETERMINED BY FIELD CONDITIONS AND SHALL BE IN ACCORDANCE WITH IDOH SECTION 616.
- ALL DRAINAGE PIPE AND DITCH OUTFALLS TO RECEIVING STREAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DRAWINGS, SUBJECT HOWEVER, TO ANY MODIFICATION REQUIRED BY THE ENGINEER AT THE TIME INSTALLATION IS COMPLETED AND TO ANY ADJUSTMENTS NEEDED FOR FIELD CONDITIONS NOT ADEQUATELY ANTICIPATED BY THE DESIGN DRAWING.
- CASTINGS SHALL BE AS SHOWN ON DETAIL SHEET FOR MANUFACTURER, TYPE AND NUMBER. ALL CASTINGS SHALL BE NEENAH OR EAST JORDAN APPROVED EQUAL.

**GENERAL NOTES**

- BEARING, DIMENSIONS, AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY AND DO NOT NECESSARILY DEPICT ACTUAL RECORDED INFORMATION. SEE RECORDED PLAT FOR EXACT INFORMATION.
- ALL DISTURBED GROUND SHALL BE PROVIDED WITH EROSION CONTROL METHODS IMMEDIATELY SUBSEQUENT TO DISTURBANCE, SUBJECT TO WEATHER (SEE SHEETS "C203", "C204" AND EROSION CONTROL SPECIFICATIONS).
- THE FOLLOWING UTILITY COMPANIES WILL PROVIDE DESIGN AND LAYOUT OF THEIR RESPECTIVE UTILITIES:
  - ELECTRIC - CENERGY
  - TELEPHONE - AMERITECH
  - GAS - INDIANA GAS CO.
- SERVICE WALKS TO BE INSTALLED ON BOTH SIDES OF STREET (BY OTHERS) AND SHALL BE NON-REINFORCED CONCRETE 4" THICK AND 4'-0" IN WITH (SEE TYPICAL SECTION, SHEET NO. C801).
- EXPANSION JOINTS ARE TO BE PLACED AT ALL WALK INTERSECTIONS AND BETWEEN WALKS AND PLATFORMS. SIDEWALK SCORES ARE TO BE EQUALLY SPACED BETWEEN EXPANSION JOINTS, CONTRACTION JOINTS, AND PERPENDICULAR SIDEWALKS AT 5'-0" INTERVALS OR LESS WITH A CONTRACTION JOINT EVERY 20'-0" OR LESS.
- THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES, ETC. IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- RCP = REINFORCED CONCRETE PIPE CLASS III  
PVC = POLYVINYL CHLORIDE - SANITARY SEWER - ASTM D-3034, SDR-35  
HCSP = HELICALLY CORRUGATED STEEL PIPE - 16 GAUGE ALUMINIZED
- T.C. = TOP OF CURB = TOP OF CASTING
- 20 LINEAL FEET OF 4" SUBSURFACE DRAIN REQUIRED EACH WAY (UPGRADE) FROM ALL STORM INLETS (UNLESS OTHERWISE NOTED ON PLANS).
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT "SUBDIVISION CONTROL ORDINANCE" AS PUBLISHED BY THE TOWN OF FISHERS.
- REINFORCED CONCRETE STORM SEWER SHALL HAVE "O" RING GASKETS UNLESS OTHERWISE NOTED ON PLANS.
- TRAFFIC CONTROL AND STREET SIGNS TO BE INSTALLED IMMEDIATELY SUBSEQUENT TO PLACEMENT OF ASPHALT BINDER.

**MPA** MELTON-PACKARD & ASSOCIATES  
Civil Engineers • Land Surveyors  
6910 N. Shadeland Avenue • Indianapolis, Indiana 46220 • (317) 577-0069

**SITE SPECIFICATIONS**  
**FISHERS TRADE CENTER**  
**PHASE TWO**  
FISHERS, INDIANA

SHEET TITLE:  
PROJECT NAME:

**REVISIONS**



*Michael D. Little*

**PRINTED**  
**JUN 14 2000**  
**MPA**

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DATE: 06/14/00  
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DRAWN BY: 2000 MPA

OFFICE OF HAMILTON COUNTY SURVEYOR  
**C901**  
TUBE FILE #