

Drain: Oliver Shoemaker Drain

Improvement-Arm: 146th Street Reconstruction

Date Approved: January 28, 2008

Drain Input Checklist

- Create Regulated Drain Record in Posse _____
 - Drain Type
 - Outlet (Tab)
 - Outlet Attached
 - Location
 - Twp
 - Certification
 - Drain Number

- Enter Improvement Arm in Posse _____
(Construction Amount = Storm Drains, Erosion Control, Sub-surface drain & Earthwork)

- Scan Documents _____
 - Surveyor's Report
 - Engineer's Estimate
 - Bonds
 - Findings and Order
 - Petition

- Create Posse Inspection Job _____

- Enter into Watershed Summary Spreadsheet _____

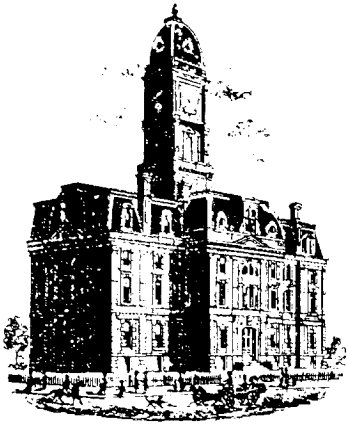
- Check for Vacation of Drain & Map Changes _____

- Check Drainage Easement Classification _____

- Sum drain length & Validate in GIS _____

- Enter New Watershed Length into Posse _____

- Create Boundary of Improvement in GIS _____



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

November 2, 2007

To: Hamilton County Drainage Board

Re: Oliver Shoemaker Drain – 146th Street Reconstruction

Attached is a petition and plans for the relocation and reconstruction of the Oliver Shoemaker Drain. The relocation and reconstruction was proposed by the City of Noblesville and Hamilton County. The project reconstructed the Oliver Shoemaker Drain within the 146th Street Right of Way and across the Common Area of Woodberry Sec. 4.

The reconstruction was done as part of the 146th Street widening project between State Road 37 and Boden Road per plans submitted by Indiana Department Of Transportation , Dated October 26, 2003, Job Number STP-9929(040), Contract R-28718.

The project reconstructed the Oliver Shoemaker Drain between Sta. 0 and Sta. 4+80 in Woodberry Sec. 4. The reconstruction removed 480' of 5" tile within Woodberry Sec. 4. This was from Station 0 south to where a new structure was set on the existing storm line at Sta. 4+80 (Str. 102). This drain was outlined in my report dated October 27, 1999 and approved by the Board at a hearing on November 8, 1999 (See Drainage Board Minutes Book 5, Page 271). Therefore, 480 feet of 5" drain was removed from the Woodberry Drain with the proposed 146th Street road project.

The reconstruction consists of 980 feet of 21" RCP from the proposed lake on the former Smithfield Farms LLC tract to an existing 30" RCP (Str. 102) in Woodberry Sec. 4.

The new Oliver Shoemaker Drain reconstructed with the 146th Street Project consists of the following pipe length between the following structures: 177, 188, 96, 97 and 102

21" RCP – 980 feet

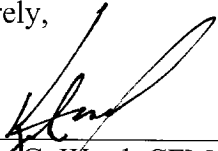
The length of new Oliver Shoemaker Drain will be 980 feet. Therefore, the reconstruction added 500 feet to the Oliver Shoemaker Drain's overall length.

The easement for the new Oliver Shoemaker Drain shall be held within the new Right of Way for 146th Street and in existing easement across Woodberry Sec. 4 Common Area. Therefore, no new additional easements shall be necessary at this time.

The cost of the relocation/reconstruction was paid by and constructed by the City of Noblesville and Hamilton County. Therefore, a performance bond was not required for the relocation/reconstruction.

I recommend that the board set the hearing for January 28, 2008.

Sincerely,



Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/llm

HAMILTON COUNTY DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN RE: Oliver-Shoemaker Drain)
Hamilton County, Indiana)

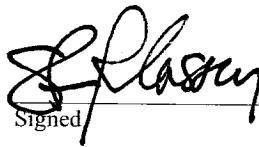
PETITION FOR RELOCATION AND RECONSTRUCTION

Hamilton County Highway Department (hereinafter "Petitioner"),
hereby petitions the Hamilton County Drainage Board for authority to relocate and improve a
section of the Oliver-Shoemaker Drain, and in support of
said petition advises the Board that:

1. Petitioner owns real estate through which a portion of the Oliver-Shoemaker Drain runs.
2. Petitioner plans to develop its real estate with roads, buildings, utilities, storm drains, sanitary sewers and other structures.
3. Petitioner's proposed development of its real estate will require relocation and reconstruction of a portion of the Oliver-Shoemaker Drain, as specifically shown on engineering plans and specifications filed with the Hamilton County Surveyor.
4. The work necessary for the proposed relocation and reconstruction will be undertaken at the sole expense of the Petitioner and such work will result in substantial improvement to the Oliver-Shoemaker Drain, without cost to other property owners on the watershed of the Oliver-Shoemaker Drain.
5. Proposed relocation and reconstruction will not adversely affect other land owners within the drainage shed.
6. Petitioner requests approval of the proposed relocation and reconstruction under IC 36-9-27-52.5.

WHEREFORE, Petitioner requests that an Order issued from the Hamilton County Drainage Board authorizing relocation and reconstruction of the Oliver-Shoemaker Drain, in conformance with applicable law and plans and specifications on file with the Hamilton County Surveyor.

For and in behalf of
Hamilton County Highway
Department



Signed

Steven Passey, PE, United Consulting Engineers

Printed

STATE OF INDIANA)
) ss:
COUNTY OF HAMILTON)

BEFORE THE HAMILTON COUNTY
DRAINAGE BOARD
NOBLESVILLE, INDIANA

IN THE MATTER OF THE
RECONSTRUCTION OF THE
Oliver Shoemaker Drain, 146th Street Reconstruction

FINDINGS AND ORDER FOR RECONSTRUCTION

The matter of the proposed Reconstruction of the *Oliver Shoemaker Drain, 146th Street Reconstruction* came before the Hamilton County Drainage Board for hearing on *January 28, 2008*, on the Reconstruction Report consisting of the report and the Schedule of Damages and Assessments. The Board also received and considered the written objection of an owner of certain lands affected by the proposed Reconstruction, said owner being:

Evidence was heard on the Reconstruction Report and on the aforementioned objections.

The Board, having considered the evidence and objections, and, upon motion duly made, seconded and unanimously carried, did find and determine that the costs, damages and expenses of the proposed Reconstruction will be less than the benefits accruing to the owners of all land benefited by the Reconstruction.

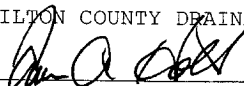
The Board having considered the evidence and objections, upon motion duly made, seconded and unanimously carried, did adopt the Schedule of Assessments as proposed, subject to amendment after inspection of the subject drain as it relates to the lands of any owners which may have been erroneously included or omitted from the Schedule of Assessments.

The Board further finds that it has jurisdiction of these proceedings and that all required notices have been duly given or published as required by law.

Wherefore, it is ORDERED, that the proposed Reconstruction of the *Oliver Shoemaker Drain, 146th Street Reconstruction* be and is hereby declared established.

Thereafter, the Board made inspection for the purpose of determining whether or not the lands of any owners had been erroneously included or excluded from the Schedule of Assessments. The Board finds on the basis of the reports and findings at this hearing as follows:

HAMILTON COUNTY DRAINAGE BOARD



PRESIDENT



Member

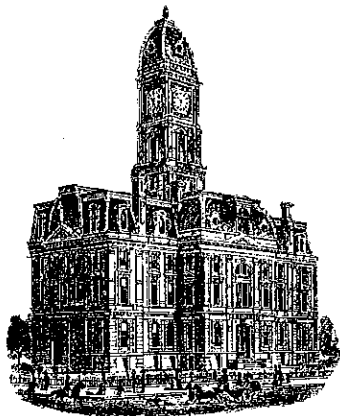


Member

ATTEST:


Executive Secretary

KCW



SURVEYOR'S OFFICE
Hamilton County

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Suite 188
One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

November 18, 2011

Re: Oliver Shoemaker Drain: 146th St Reconstruction

Attached are as-builts, certificate of completion & compliance, and other information for Oliver Shoemaker – 146th Street Reconstruction. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

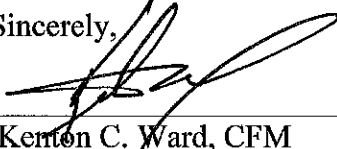
During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated November 2, 2007. The report was approved by the Board at the hearing held. (See Drainage Board Minutes Book 11, Pages 10-12)

The changes are as follows:

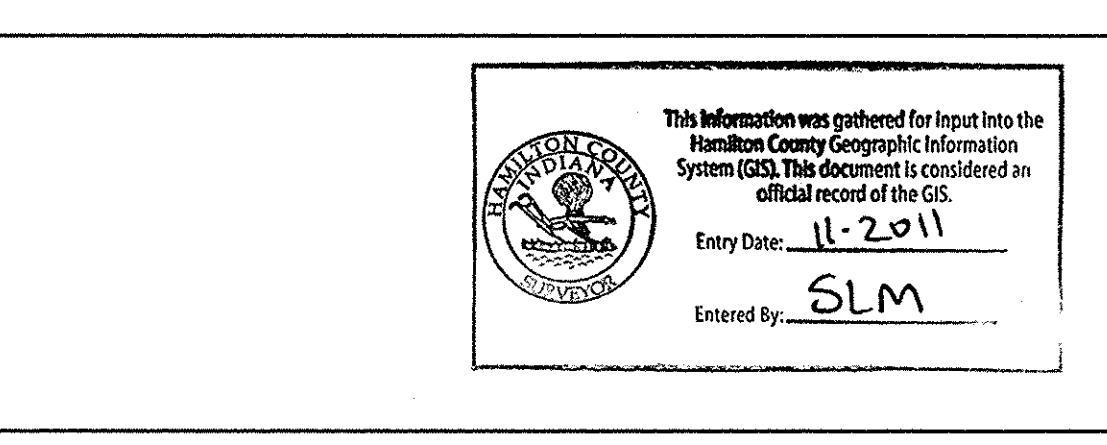
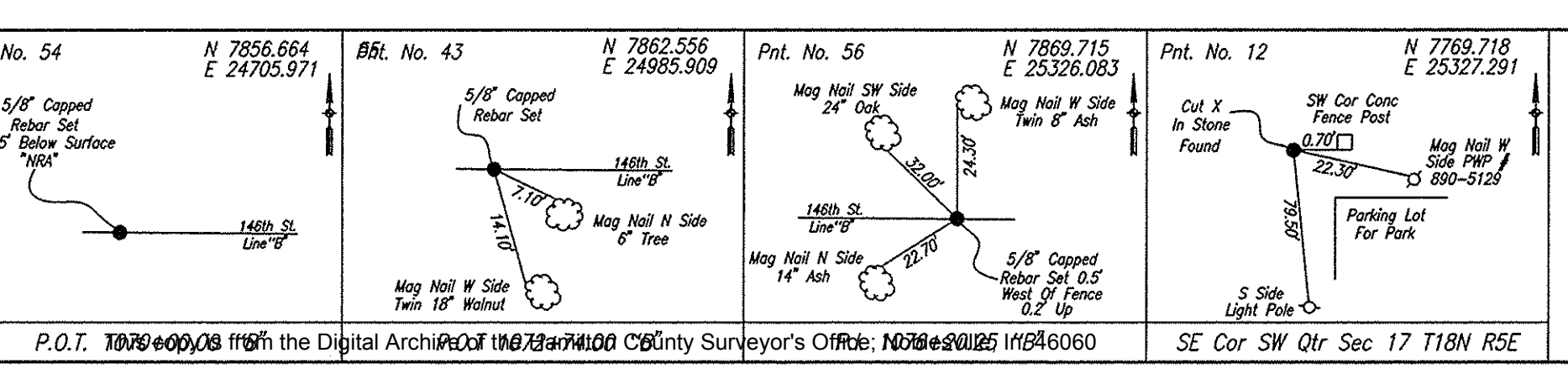
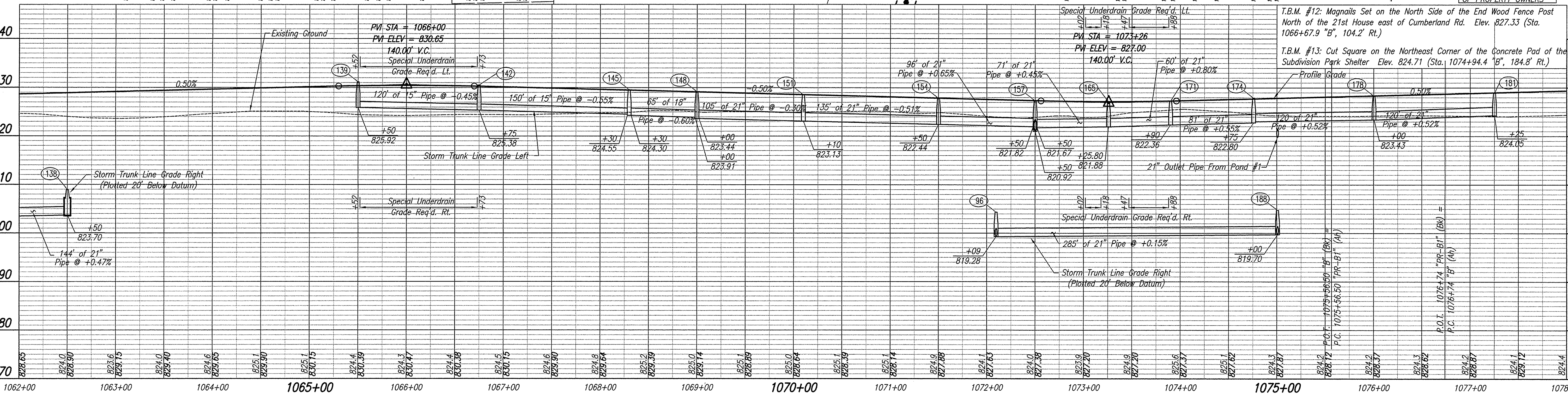
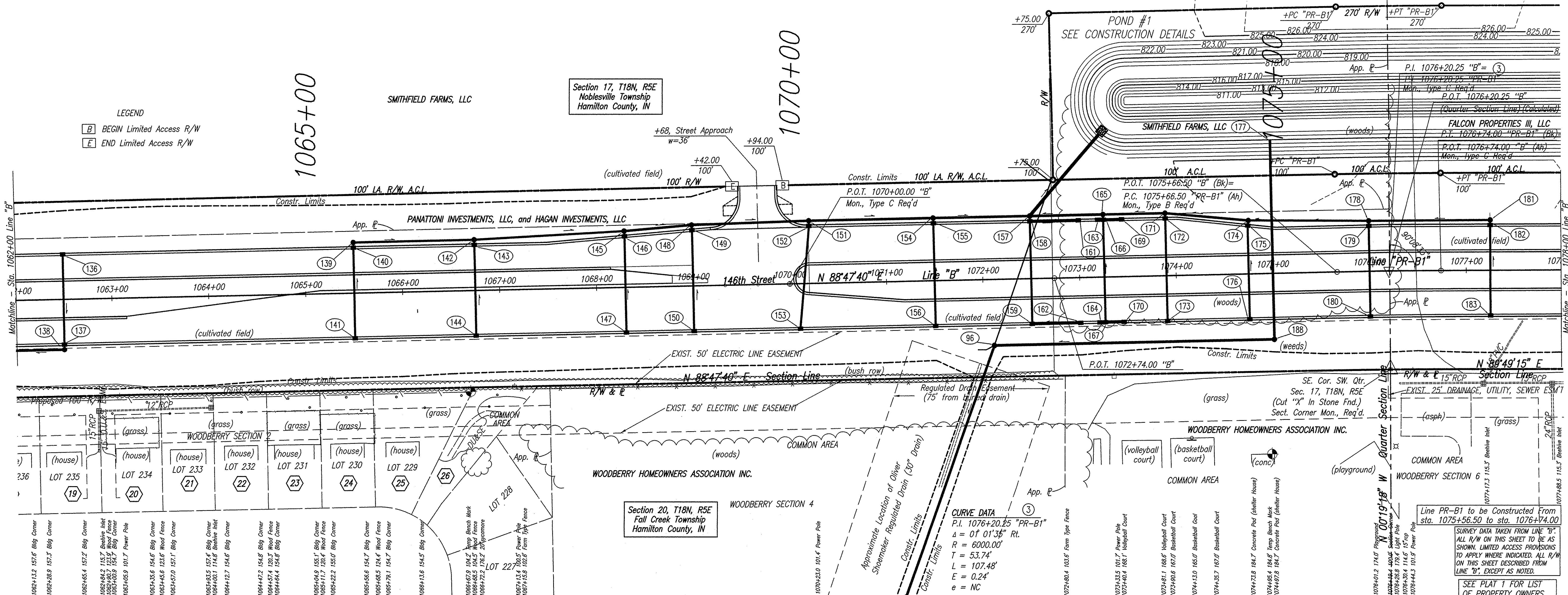
The 21” RCP was lengthened from 980 feet to 1027 feet. With the drain tied into an existing 30” RCP, there was 10 feet of 30” RCP installed at Structure 102. Therefore, 10 feet of 30” RCP was added to this project and 10 feet of existing 30” RCP was removed from the existing Woodberry Sec. 4 Arm. The length of the drain due to the changes described above is now **1,037 feet**.

A non-enforcement permit was not required as the work was done in existing drainage easements and the 146th Street right of way. Sureties were not required as the project was funded by Hamilton County.

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

Sincerely,

Kenton C. Ward, CFM
Hamilton County Surveyor

KCW/slm



RECORD DRAWING
DEC. 2010

RECOMMENDED FOR APPROVAL _____ DATE 3-6-06
DESIGN ENGINEER _____

DESIGNED: ELW DRAWN: ELW
CHECKED: RMG CHECKED: RMG

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE LINE "B"/"PR-B1"

HORIZONTAL SCALE 1"=50'	BRIDGE FILE
VERTICAL SCALE 1"=10'	DESIGNATION 0201222
SURVEY BOOK	SHEETS 29 of 192
CONTRACT R-28718	PROJECT STP-9929 (040)

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: 11-2011
Entered by: SLM

Line PR-B1 to be Constructed From sta. 1075+56.50 to sta. 1076+74.00

SURVEY DATA TAKEN FROM LINE "B". ALL R/W ON THIS SHEET TO BE AS SHOWN. LIMITED ACCESS PROVISIONS TO APPLY WHERE INDICATED. ALL R/W ON THIS SHEET DESCRIBED FROM LINE "B", EXCEPT AS NOTED.

SEE PLAT 1 FOR LIST OF PROPERTY OWNERS

CURVE DATA
P.I. 1076+20.25 "PR-B1"
Δ = 01° 01' 35" Rt.
R = 6000.00'
T = 53.74'
L = 107.48'
E = 0.24'
e = NC

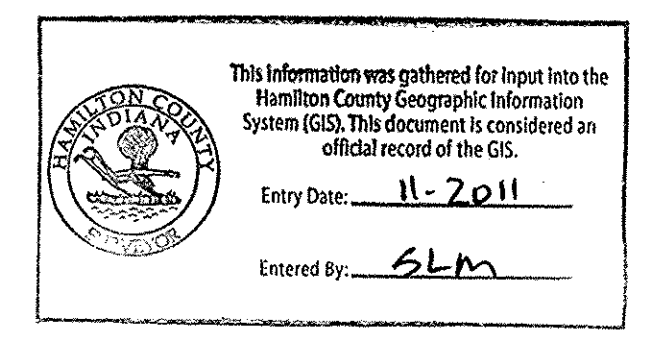
T.B.M. #12: Magnails Set on the North Side of the End Wood Fence Post North of the 21st House east of Cumberland Rd. Elev. 827.33 (Sta. 1066+67.9 "B", 104.2' Rt.)

T.B.M. #13: Cut Square on the Northeast Corner of the Concrete Pad of the Subdivision Park Shelter Elev. 824.71 (Sta. 1074+94.4 "B", 184.8' Rt.)

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE in.	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH ft.	SKEW	COVER	FLOWLINE		TOP OF CASTING	SERVICE LIFE YR.	SILE DESIGNATION	pH	BACKFILL METHOD	STRUCTURAL BACKFILL CYS.	REINFORCEMENT TONS	PIPE END ANCHOR EA.	PIPE END SECTION EA.	GRATED BOX END SECTION			SAFETY METAL END SECTION		CONNECT TO STR. NO.	REMARKS	
	STATION	LEFT	RIGHT	CROSS							UP STREAM ELEV.	DOWN STREAM ELEV.										TYPE	SLOPE	EA.	SLOPE	EA.			
141	LINE "B" 1065+50		X		15	2	Inlet B-15	90		2.25	826.33	826.02	75	N	7.0	1	21											140	
142	1066+75	X			15	2	Manhole C-4	150		3.63	825.38	824.55	75	N	7.0	1	47											145	
143	1066+75	X			15	2	C.B. C-15	2		2.77	825.49	825.39	75	N	7.0	1	1											142	
144	1066+75		X		15	2	Inlet B-15	90		2.25	825.80	825.49	75	N	7.0	1	21											143	
145	1068+30	X			18	2	Manhole C-4	65		3.50	824.30	823.91	75	N	7.0	1	23											148	
146	1068+30	X			15	2	C.B. C-15	2		2.88	824.41	824.31	75	N	7.0	1	1											145	
147	1068+30		X		15	2	Inlet B-15	95		2.25	824.74	824.41	75	N	7.0	1	21											146	
148	1069+00	X			21	2	Manhole C-4	118		3.61	823.44	823.13	75	N	7.0	1	42											151	
149	1069+00	X			15	2	C.B. C-15	2		2.63	824.04	823.94	75	N	7.0	1	1											148	
150	1069+00		X		15	2	Inlet B-15	100		2.25	824.39	824.04	75	N	7.0	1	23											149	
151	1070+20	X			21	2	Manhole C-4	125		3.54	823.13	822.44	75	N	7.0	1	53											154	
152	1070+20	X			15	2	C.B. C-15	2		2.52	823.76	823.66	75	N	7.0	1	1											151	
153	1070+10		X		15	2	Inlet B-15	102		2.25	824.12	823.76	75	N	7.0	1	23											152	
154	1071+50	X			21	2	Manhole C-4	96		3.56	822.44	821.82	75	N	7.0	1	14											157	
155	1071+50	X			15	2	C.B. C-15	2		2.37	823.25	823.15	75	N	7.0	1	1											154	
156	1071+50		X		15	2	Inlet B-15	102		2.25	823.61	823.25	75	N	7.0	1	24											155	
157	1072+50	X			30	2	Manhole J-4	30		3.55	821.03	820.91	75	N	7.0	1	12	8			1								Outlet to Proposed Pond
158	1072+50	X			15	2	C.B. C-15	2		2.28	822.95	822.85	75	N	7.0	1	1											157	
159	1072+50		X		15	2	Inlet C-15	102		2.35	823.28	822.95	75	N	7.0	1	24											158	
160	1023+42	X			21	2		60		0.40	810.21	809.00	75	N	7.0	1	6								4:1	1		Outlet to S.R. 37 Ditch	
161	1073+00	X			15	2	Inlet B-15	45		2.25	822.98	822.88	75	N	7.0	1	11											158	
162	1073+00		X		15	2	Inlet B-15	45		2.25	823.38	823.28	75	N	7.0	1	11											159	
163	1073+20	X			15	2	Inlet B-15	3		2.25	822.94	822.84	75	N	7.0	1	1											166	
164	1073+20		X		15	2	Inlet B-15	3		2.25	823.18	823.08	75	N	7.0	1	1											167	
165	1073+26	X			21	2	Manhole C-4	71		3.39	821.88	821.78	75	N	7.0	1	35											157	
166	1073+26	X			15	2	C.B. C-15	2		2.42	822.75	822.65	75	N	7.0	1	1											165	
167	1073+26		X		15	2	Inlet C-15	102		2.33	823.08	822.75	75	N	7.0	1	24											166	
168	1023+42		X		21	2		30		0.40	810.51	810.41	75	N	7.0	1	6									1		To Existing 18" Culvert Pipe	
169	1073+45	X			15	2	Inlet B-15	15		2.25	822.95	822.85	75	N	7.0	1	4											166	
170	1073+45		X		15	2	Inlet B-15	15		2.25	823.20	823.10	75	N	7.0	1	4											167	
171	1073+90	X			21	2	Manhole C-4	60		3.31	822.36	821.88	75	N	7.0	1	23											165	
172	1073+90	X			15	2	C.B. C-15	2		2.34	822.94	822.84	75	N	7.0	1	1											171	
173	1073+90		X		15	2	Inlet B-15	102		2.25	823.27	822.94	75	N	7.0	1	24											172	
174	1074+75	X			21	2	Manhole C-4	81		3.47	822.80	822.36	75	N	7.0	1	32											171	
175	1074+75	X			15	2	C.B. C-15	2		2.48	823.40	823.30	75	N	7.0	1	1											174	
176	1074+75		X		15	2	Inlet B-15	92		2.25	823.69	823.40	75	N	7.0	1	21											175	
177	1075+00	X			21	2	Outfall Structure	202		1.25	820.50	820.20	75	N	7.0	1	66									1		188	
178	1076+00	X			21	2	Manhole C-4	120		3.52	823.43	822.80	75	N	7.0	1	47											174	
179	1076+00	X			15	2	C.B. C-15	2		2.54	824.03	823.93	75	N	7.0	1	1											178	
180	1076+00		X		15	2	Inlet B-15	90		2.25	824.32	824.03	75	N	7.0	1	21											179	
181	1077+25	X			21	2	Manhole C-4	120		3.52	824.05	823.43	75	N	7.0	1	47											178	
182	1077+25	X			15	2	C.B. C-15	2		2.54	824.65	824.55	75	N	7.0	1	1											181	
183	1077+25		X		15	2	Inlet B-15	90		2.25	824.94	824.65	75	N	7.0	1	21											182	

12/08/06 FLOW LINE CHANGE ON STR. 96, 97, 102, 177 & 188.



RECORD DRAWING
DEC. 2010

RECOMMENDED FOR APPROVAL _____ 3-6-06
DESIGN ENGINEER DATE
DESIGNED: ELW DRAWN: JDS
CHECKED: RMG CHECKED: RMG

INDIANA DEPARTMENT OF TRANSPORTATION
SUMMARY STRUCTURE DATA

HORIZONTAL SCALE	BRIDGE FILE
NONE	
VERTICAL SCALE	DESIGNATION
NONE	0201222
SURVEY BOOK	SHEETS
	179 of 192
CONTRACT	PROJECT
R-28718	STP-9929 (040)

