

TIPPECANOE COUNTY DRAINAGE BOARD MEETING HELD MONDAY, APRIL 17, 1967

The Tippecanoe County Drainage Board held a meeting Monday, April 17, 1967, at 11:00 a.m., with the following members present: James Devault, Floyd Gingrich and Dale Remaly, Board members; Harry P. Schultz, Co. Atty.; and Clyde C. Lewis, Auditor.

The following letter was received from the County Surveyor:

April 14, 1967

Tippecanoe County Drainage Board
County Court House
Lafayette, Indiana

RE: Hoffman Ditch Drainage
Between DeBay & Jansen Property

DEBOY

Gentlemen:

Our office made a trip to the area in question for the drainage from the DeBoy property to the Jansen property.

We find that a branch of the Hoffman Court Drain tile was installed in the past to drain a part of the DeBoy property Northwest into Tippecanoe County.

We find a fifteen (15) inch concrete culvert surface drain at the intersection of State Road No. 26 and County Line Road adjacent to the DeBoy and Jansen property. We find that this tile drain was installed for the purpose of draining the side ditch along the County Line Road and State Road No. 26.

In conclusion, we feel that any surface drainage from the DeBoy property to the Jansen property will be at the liability of the two property owners and that liability of the Tippecanoe County Drainage Board lies only with the drainage of the Hoffman Court Drainage tile.

TIPPECANOE COUNTY SURVEYOR

/s/ Burton S. Vester
Burton S. Vester

CC
Tippecanoe County Surveyor
Mr. Krug Clinton County Surveyor
Mr. DeBoy, Elza
Mr. Jansen, John

In the opinion of the Board this problem with the two property owners was not within the powers or duties of the Board to resolve.

TIPPECANOE COUNTY DRAINAGE BOARD

James H. Devault
James Devault, President

Floyd Gingrich
Floyd Gingrich

Clifford Dale Remaly
Clifford Dale Remaly

ATTEST:

Clyde C. Lewis
Clyde C. Lewis, Auditor

Synopsis of

Minutes of the Regular Meeting of the Tippecanoe County Drainage Board held in the County Commissioner's Room in the Tippecanoe County Court House at 9:00 a.m., on Tuesday, April 6, 1971.

Present at Meeting

Bruce Osborn, Chairman and Edward Shaw, Board member, Dan Ruth, Engineer, G. Richard Donahue, Atty., Gladys Ridder, Sec'y., John Garrott, Surveyor, and Larry Clerget, Deputy Surveyor, Ken Raines, Reporter, Bill Martin, Conservationist along with many interested taxpayers.

Minutes Approved

It was moved by Bruce Osborn, seconded by Edward Shaw to approve the minutes of the Regular meeting of March 2, 1971.

Absalom Miller Ditch

Mr. Spencer Congram, farm manager from Purdue National Bank spoke for a group of people involved with the reconstruction of a headwall on the Absalom Miller ditch. The original headwall built in July of 1967 proved an inadequate construction for the flood water washed around it and left it useless. The group took action by requesting the services of the Tippecanoe County Soil and Water Conservation District to rebuild the headwall on a cost sharing plan. Herbert Crum was the contractor (No bid was let) and the bill was paid by Mr. William Nesbitt, who at the time of this meeting, has not received any part of his money. A call was placed to the State Board of Accounts during the meeting as to the chances of the County paying this bill and were informed that the county could not pay the bill for it was not handled in the only legal way that county collection could be made. (See letter in file from the State).

John L. Hoffman Ditch

Mr. David Knopp and Mr. C. J. Baker appeared before the Board to alert them of all the problems with broken tile, etc. on the Hoffman Ditch. The Engineer volunteered to walk the ditch with them and try to decide the best course to take. Mr. Bill Martin suggested a joint meeting with the two other counties involved, namely Carroll and Clinton, for he felt this would be a reconstruction job. It was asked for consideration in establishing a maintenance fund also.

ElmerThomas Ditch

Mr. Robert Buker brought slides of the pond that stands as the result of improper drainage on the Elmer Thomas Drain. Mr. Bill Martin submitted plans drawn by the Soil and Water Conservation Dep't. on reconstruction of this drain. Mr. Ruth offered to contact the State Highway Department on problems concerning the right-of-way drainage.

Public Meeting at Fair Grounds

Mr. Bruce Osborn suggested a public meeting at the Fair Grounds strictly to inform the public and perhaps answer some questions people might have as to the duties and responsibilities of this Board. The date set was Monday, April 19th, 1971 at 8:00 p.m. Mr. Martin was asked to help the Board conduct the meeting and to show how the two offices work together.

Ditches referred to Engineer

The motion made by Bruce Osborn and seconded by Edward Shaw to refer the following ditches for the Surveyor and Engineer's consideration: Anson-Delphine, Parlon, McFarland, Berlovitz, Andrew P. Brown and Absalom Miller. All of these to be set up for Maintenance.

Purchase of Camera

Mr. Ruth asked permission to buy a polaroid camera for it would prove so helpful in his work. Permission granted.

Minutes of the April 6, 1971 meeting (Continued)

Meeting

Adjourned

Upon motion made by Mr. Bruce Osborn and seconded by Mr. Edward Shaw the meeting adjourned.

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Bruce Osborn, Chairman

C. Dale Remaly, Vice Chairman

Edward Shaw, Member

ATTEST:

MINUTES OF THE TIPPECANOE COUNTY DRAINAGE BOARD DECEMBER 1, 1971.

The minutes of the regular meeting of the Tippecanoe County Drainage Board held in the Commissioners Room in the Court House at 9:00 a.m., on December 1, 1971.

Upon motion by Dale Remaly, seconded by Edward Shaw the Board approved the minutes of the November 3rd meeting as read.

Present
at
Meeting

Those present at the meeting were: Bruce Osborn, Dale Remaly, Edward Shaw, Claude Acheson, Dan Ruth Jr., Richard Donahue, John Garrott, Larry Clerget, Gladys Ridder, and Bill Martin.

Ditches
Referred to
Engineer

Upon motion by Bruce Osborn, seconded by Dale Remaly the Board referred the following ditches to the Engineer to prepare for a maintenance fund: George Ilgenfritz, Wea & Sheffield Townships, William A. Ortman, Wea Township, John L. Hoffman, Perry Township, William A. Stewart, Perry and Washington Townships and Calvin Lesley, Perry and Washington Townships.

9:30 a.m.
Hearing
on
Elmer Thomas
Ditch

The hearing on the Elmer Thomas Ditch was opened by Dan Ruth the Engineer. Those attending said meeting were as follows: Floyd Lamb, Lucille B. Williams, Hazel Holmes Gephart, Francis E. Scowden, Charles R. Scowden, Kathryn DeBoy by Norman DeBoy, Marjorie A. Connelly, Lawrence Krug, Francis Zeigler, E. E. Franklin, Curtis Vanderklee, Robert G. Gross, Janet M. Buker, Robert Franklin, Dorothea M. Franklin, Edward L. Bryant, Martha R. Yerkes, Chester S. Yerkes, Forrest Williams, Patty Garrott, Dale Remaly, Bill Martin. Mr. Buker, showed slides of the area involved and Mr. Bill Martin of the SCS office explained the involvement of his office in this project. The question was again raised as to whether Mr. E. E. Franklin's dam in the Harrison Creek, into which the Elmer Thomas ditch empties, changed the water flow enough to cause the ponding. Also the information from the Dept. of Natural Resources could find no permit having been given to build the dam in the first place and said they would check further. Also the Engineer said he still needed a few answers and told some of the members he would go out and walk the area with them.

Changes
in
acreage

He had checked elevations on Mr. Marjorie Connelly's, Mr. Alice Halstead's and Lawrence Krug's property and recommended the Board change their acreage. The Board so moved. The acreage changes are as follows: Connelly's 11.80 acres to 1.50 acres; Halstead's 2.69 acres to no acres; Krug's 19.79 acres to 3 acres.

The Board then moved the hearing be continued until February 2, 1972, as Mr. Shaw said he felt he could not vote intelligently on this project as yet. As this hearing continued on into the time allotted for others the motion by Edward Shaw, seconded by Claude Acheson to adjourn was made unanimous by Bruce Osborn.

Hearing
on
Floyd
Coe
Ditch

Bruce Osborn, Chairman of the Board opened the hearing by asking the people present namely: Albert Kochert, Mabel Hault, Mary C. Bocher, V. L. VanAsdall for N & W Railway Co., Betty Howey, and Robert Kirkpatrick if they had made any decisions since their first hearing. Mr. Kirkpatrick said he could speak for about fourteen of the thirty in this watershed area. When asked if they still wanted the Board to abandon their drain they said definitely not but didn't want a maintenance fund established at this time. The Board moved to give them a year and then they would have to do one or the other.

Upon motion by Bruce Osborn seconded by Dale Remaly this hearing was tabled until the December meeting of 1972.

Hearing
on Oshier and
McFarland
Ditch

The meeting was opened by the Drainage Engineer explaining to those attending the maintenance hearing on the McFarland-Oshier Branch of the three alternatives they could take in determining the water shed area of these two ditches. Those attending were: John VanHoy, Lynn P. Hawkins, Merrill McCahan, I.J. Pflug by William Rowe, and Mark Briar.

Those on the Oshier Branch wanted to be a separate legal drain and said they would assume the care of the short length of ditch that they use jointly with the McFarland people. The Engineer made it clear that the Oshier Ditch to be a legal drain would only be the main channel as designed by the SCS Office and not any of the laterals.

The Engineer told the Board he would write a new legal description for both ditches if all concerned wanted to remain separate. The Engineer also recommended a change in acreage **

Upon motion by the chairman, seconded by Mr. Shaw the Board moved to make the Oshier Ditch a legal drain and to establish a 50¢ per acre maintenance fund on both ditches outlining the water shed area per the Engineers new description.

Order and
Findings

The Board signed the Order and Findings and certificate of assessments on the Oshier and McFarland Ditches.

*** in the Anna Pearl Boesch property from 60A to 45A.

Opening
of Bids

At 1:00 p.m. the Chairman of the Board opened the bids received from the fill dirt, back hoe, cement tile, corrugated metal pipe and drag line.

DRAG LINE BIDS:

- * Fauber - Small Lima Crane with operator & helper --- \$ 33.00 per hour
- Davis - Northwest, Model 41 with operator & helper---\$ 45.82 per hour

BACK HOE BIDS:

- * Davis - Model 450 - 6.0 cu. ft. bucket, reach 13.8 feet ---\$29.85 per hour
- * Cohee - 580 Case - 36" or 24" bucket, reach 14 feet -----\$22.00 per hour

FILL DIRT BIDS:

- * Davis - 50¢ per cu. yds + 8¢ per cu. yd. per mile

METAL PIPE BIDS:

Young Metal Products Co. (Ladoga)
Logansport Metal Culvert Co.

It is my recommendation that the bids with the * adjacent to them be accepted. In the case of the metal Pipe Bids it is my recommendation that both bids be accepted.

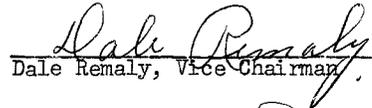
Mr. Paul Hamman

A discussion was held concerning the Paul Hamman property east of the By-Pass. No real progress could be made due to the fact that Mr. Hamman could not be present. It was the Boards feeling that Mr. Hamman needed to be present to express his views.

Upon motion by Edward Shaw, seconded by Bruce Osborn the Board adjourned.



Bruce Osborn, Chairman

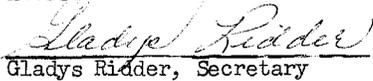


Dale Remaly, Vice Chairman



Edward Shaw, Board Member

Attest:


Gladys Ridder, Secretary

The Tippecanoe County Drainage Board held it's regular meeting on November 1, 1972 at 9:00 a.m. with the following members present: Bruce Osborn, Dale Remaly, Edward Shaw, A. Dan Ruth, Fred Hoffman, John Garrott and Gladys Ridder.

Minutes Approved Upon motion of Bruce Osborn, seconded by Dale Remaly and made unanimous by Edward Shaw, the minutes of the October 4th, 1972 meeting were approved as read.

Requests by John E. Fisher John Fisher came before th Board to ask the Board's opinion on some development to be done by the Roman Catholic Diocese between State Road 26 and Union Street. He presented his plans and explained in detail his recommendations for the disposal of storm water. He proposed a pipe on the Southern side of Union Street and said he already had his easement for same from the Public Service Co. and the approval from Area Plan. He suggested the construction of a new legal drain to answer the problems of not only the Diocese but many people in that area who have had drainage problems for years. He left plans and asked the Board to look them over and decide. His second request was a letter from the Board giving their approval on the proposed drainage on Imperial Equipment Co.'s land South of High Point Oil Co. between U.S. 52 and Concord Road. (NW SE Sec. 34., Twp. 23., R.4). His plan was to use the parking lot as a holding pond then empty into the Elliott Ditch.

Approval on Advertisements for Bids The Board passed approval on the Notice to Bidders presented by the Drainage Engineer for bids on Fill Dirt, Backhoe, Cement tile, Corrugated Metal Pipe and Dragline.

Ditches Referred The Board referred the following ditches to the Engineer to prepare for a maintenance fund: Lawrence McClure Ditch, Wabash Twp., Charles G. Parker, Perry, Sheffield and Wea Twps., John VanAtta, Tippecanoe Twp., Inez Lake, Lauramie Twp.

9:30 a.m. Hearing on the Calvin Peters Ditch The Engineer opened the hearing on the Calvin Peters ditch by reading his report and making recommendations to the Board. Those in attendance were Roscoe E. Mills, his wife and Harry M. Henderson. Mr. Mills said no maintenance had been done on this ditch since 1920 and that he had taken care of the headwall and outlet. They were in favor of establishing a maintenance fund so there would be monies to take care of repairs when needed. Mr. Osborn moved to establish an \$1.00 per acre assessment, Mr. Remaly seconded and Mr. Shaw made it unanimous.

10:30 a.m. Hearing on the John Toohey Ditch The Engineer opened the hearing on the John Toohey ditch by reading his report and making his recommendations to the Board. In attendance were Andrew P. Gascho and Leonard Hoon. Both reported the need for a maintenance fund. The tile are only 6 and 8 inch tile so the small yearly should be adequate. Mr. Osborn moved to establish a \$1.00 per acre maintenance fund, Mr. Remaly seconded the motion and Mr. Shaw made it unanimous.

11:30 a.m. Hearing on the Luther Lucas Ditch The Engineer opened the hearing on the Luther Lucas Ditch by reading his report and making his recommendations. Those in attendance were: Wallace Rice, George DeLong, agent for Fay

Wainwright, John W. Roller, William Kemper and Minnie Roller. Some of the acreage was in question as to how much actually drained towards the Lucas ditch for the Baker ditch is also located in this area and a new tile ditch has been built since the legal ditch was constructed that drains the water north. Mr. Forrest Johnson reported a break down in his pasture and Bill Kemper spoke of several needs on this ditch. All were in favor of a maintenance but wanted the amount per acre lowered. Mr. Osborn asked what they felt would do the job and most of those present felt \$.50 per acre would be adequate. Mr. Bruce Osborn moved that a \$.50 per acre assessment be established subject to the acreage changes to be made by the Engineer when he has a chance to take the elevations. Those changes will be : Fay Wainwright and Charles and Wallace Rice.

1:30 p.m. Hearing on the John L. Hoffman Ditch The Engineer opened the hearing on the John L. Hoffman ditch for the purpose of establishing a maintenance fund. He read his report and made his recommendations to the Board. Those in attendance were: Bruce Osborn, Dale Remaly and Edward Shaw, Tippecanoe County Board Members and Mark Porter, Board member for Carroll County. Although Clinton County had been asked to serve on the Board also, no one appeared for that County. Others in attendance were: A. D. Ruth, Jr., Engineer, Fred Hoffman, Att'y., Gladys Ridder, Secretary along with Roscoe E. & E. Katherine Mills, Wm. F. & Mary Dietrich, W. Glen Kelly, Elwood & Joe Burkle, Herschel Smith, Noah E. Wold, John F. Jansen, T. C. Schroeder, Carl Bollman and Fred Laprad. Many reported that in 1928 a part of this ditch that originally had been an open ditch had been rebuilt and made into a tile ditch. All present felt this was a mistake for thier drainage had been poor ever since. The Engineer agreed with them that in that particular portion an open ditch would serve them much better. It was also reported that some of the 30 inch tile were not covered and could be seen from the top of the ground. Some of those present wished to confer with the SCS office to see what help they would give in the engineering and cost sharing. The Board felt they would be better satisfied if they did talk to the SCS office and told them it would be a year before the County could compile any figures. With reconstruction being the need, the Board moved to table the maintenance until such time that the reconstruction was completed. Mr. Ruth said he felt this hearing had been valuable in learning the problems and feelings of those in the watershed area. Mr. Bruce Osborn made the motion to dismiss the meeting until the time when we would again notify everyone of a continued hearing, the motion was seconded by Dale Remaly and made unanimous by Ed Shaw.

Order & Finding and Certificate of Assessments Upon completion of the ditch hearings for the day, the Board signed the Order and Findings and the Certificates of Assessments on those ditches where maintenance funds were established. Upon motion made and carried the meeting adjourned.


Bruce Osborn, Chairman


Dale Remaly, Vice Chairman


Edward Shaw, Board Member

ATTEST:


Gladys Ridder, Exec. Secretary

This letter should have been typed on page 64 in the November 1 minutes.

Mr. John E. Fisher
414 Club Lane
Lafayette, Indiana

November 17, 1972

Dear Sir,

This is to inform you that the proposal, submitted by you at the meeting of the Tippecanoe County Drainage Board held on November 1, 1972, concerning the storm water drainage on the land of the Imperial Equipment Company is satisfactory.

This is the land south of the High Point Oil Company between U.S. 52 and Concord Road (NW SE Section 34, Township 23N, Range 4W.)

It would appear that the scheme developed would satisfy any requirements the Board might deem necessary and also be of considerable benefit to the area.

I wish to take this opportunity to express my gratitude for the excellent cooperation in this matter.

Very truly yours,

/S/ A. D. Ruth, Jr.
A. D. Ruth, Jr., Engineer
Tippecanoe County Drainage Board

ADR/gc

REGULAR MEETING OF THE TIPPECANOE COUNTY DRAINAGE BOARD- June 1, 1983

The Tippecanoe County Drainage Board met in regular session in the Community Meeting Room of the Tippecanoe County Office Building on June 1, 1983 at 9:00 a.m.

In attendance: Bruce Osborn, Chairman; Eugene Moore, Boardmember; Sue Reser, Boardmember; Michael Spencer, Surveyor; George Schulte, Engineer; Fred Hoffman, Attorney; and Frances Bates, Secretary.

Agenda: Willowood Subdivision

Willowood Subdivision representatives declined to attend.

Michael Spencer reported that they had failed to provide all necessary materials prior to the scheduled meeting.

Valley Forge- Interim Detention Basin. Represented by Bob Groves.

Michael Spencer reported that about one year ago, Valley Forge had submitted plans and received approval for an Interim Pond, that Bob Groves had submitted the certificate verifying that as-builts as to storage volume, spillway height, and elevations had been built according to plans. George Schulte, he reported, had confirmed the construction to be in working order, and that basin plans had been reviewed in hearings.

George Schulte noted this to be an interim, not a permanent basin, for the first 40 approved lots near 9th St.

Michael Spencer recommended approval of the Interim Detention Basin for Valley Forge.

Sue Reser made the motion that Drainage Board approval be granted to Valley Forge for the Interim Detention Basin.

Eugene Moore seconded the motion.

The Tippecanoe County Drainage Board gave unanimous approval to Valley Forge for the Interim Detention Basin.

Michael Spencer requested if a maintenance bond would now be posted.

Bob Groves explained the need yet for storm sewer approval of the area, and that a maintenance bond would then be posted for both.

Michael Spencer asked if storm sewers were within County road right of ways. Bob Groves verified these to be County roads except for some back lots.

Michael Spencer stated that the Performance Bond to be for both storm sewers and for the Interim Basin for Phase I, Sections 1,2, and 3.

Mr. Groves requested a copy of the minutes for persons holding letters of credit.

Watkins Glen

Michael Spencer reported that he and George Schulte had done an on-site inspection of Watkins Glen due to their submission of construction plans for 16 more lots. He reported that plans submitted did not include drainage plans. Due to fairness to all County construction, Mr. Spencer stated that Drainage Board approval be required for Watkins Glen as it was for Willowood, which is in the same area. Watkins Glen, he reported, to be an older subdivision with only swails along streets and no ponds. Due to flatness of the area and anticipated growth of the subdivision and future construction, future drainage needs of the area should be addressed.

The Tippecanoe County Drainage Board was adjourned at 9:10 a.m.

Bruce Osborn
Bruce Osborn, Chairman

Eugene A. Moore
Eugene Moore, Boardmember

Sue M. Reser
Sue Reser, Boardmember

Attest: Frances Bates, Secretary
Frances Bates

Willowood
SD

Valley
Forge

Watkins
Glen

The Tippecanoe County Drainage Board met in Special Session on June 6, 1983, at 10:30 a.m. in the Community Meeting Room of the Tippecanoe County Office Building for the purpose of appointing a member to the Tri-County Drainage Board on the John Hoffman Ditch.

Tri-County
member

In attendance: Eugene Moore, acting Chairman; Sue Reser, Boardmember; Michael Spencer, Surveyor; Fred Hoffman, Attorney; and Frances Bates, Secretary.

Eugene Moore stated the purpose of this meeting to be the appointment of a member of the Drainage Board to the Tri-County Board.

Michael Spencer submitted a letter from the Clinton County Surveyor, Neil Conner, requesting this appointment be made. Body of this letter here recorded:

A petition to classify the John Hoffman Drain, located in Ross Township, Clinton County, Indiana. In sections 19, 20, and 30, Township 23 North, Range 2 West; in Clay Township, Carroll County, Indiana, in Sections 17 and 18, Township 23 North, Range 2 West and in Perry Township, Tippecanoe County, Indiana in Sections 13, 23, 24, 25, 26 and 27, Township 23 North, Range 3 West, as a drain in need of reconstruction and/or periodic maintenance so as to render it adequate to properly drain all lands affected by the drain, all pursuant to I.C. 36-9-27-1 et seq has been received by the Clinton County Drainage Board.

Therefore in accordance with Indiana Drainage Code 36-9-27-14, would you please appoint one member of your drainage board to serve on a Tri-County Board, which will meet on June 27, 1983, at 10:00 a.m., in the Tippecanoe County Commissioners Room, in The Tippecanoe County Courthouse Annex, at Lafayette, Indiana.

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Special Meeting-June 6, 1983 (cont.)

Sue Reser made the motion that Bruce Osborn, in absentia, be appointed to the Tri-County Board on the Hoffman Drain.

Eugene Moore seconded the motion.

Eugene Moore, acting Chairman, stated that Bruce Osborn, a member of the Tippecanoe County Drainage Board, was hereby appointed to serve on the Tri-County Board on the John Hoffman Drain.

The meeting was adjourned at 10:35 a.m.

Eugene A. Moore

Eugene Moore, Boardmember

Sue M. Reser

Sue Reser, Boardmember

ATTEST: *Frances Bates*
Frances Bates, Secretary

John Hoffman Ditch Meeting

The Tri-County Drainage Board convened in the Community Meeting Room of the Tippecanoe County Office Building at 10:00 a.m. on Monday, June 27, 1983, to consider the petition to classify the John Hoffman Drain in need of reconstruction and/or periodic maintenance.

Duly appointed representatives of their respective Counties in attendance were:

Bruce Osborn, Tippecanoe County; William Lucas, Clinton County; Byron Jervis, Carroll County. Copy of letter sent instructing appointment of member to Tri-County Board on file. Copies of letters of appointment on file. Also in attendance to serve on the Board were: Neil Conner, Clinton County Surveyor; Michael Spencer, Tippecanoe County Surveyor; Fred Hoffman, Drainage Board Attorney; and Frances Bates, Secretary.

In attendance to represent landowners concerns: Mr. and Mrs. Jack Barnes, W. Glen Kelly, Debra Lineback, Betty and Elwood Burkel, and Vernon Amstutz.

I Submission of Petition

Mr. Neil Conner, Clinton County Surveyor, submitted the petition of seventy-six signatures requesting classification of the John Hoffman Drain to the Tri-County Board. Petition initiated by Mrs. Debra Lineback.

II Election of Tri-County Board Officers on the John Hoffman Drain

Bruce Osborn was nominated by Mr. Jervis to serve as Board Chairman. Nomination seconded by Mr. Lucas. Bruce Osborn elected Board Chairman. William Lucas to serve as Vice-Chairman, and Byron Jervis elected as Secretary. Fred Hoffman was nominated by Mr. Jervis to serve as Board attorney. Mr. Hoffman unanimously elected to this position. Bruce Osborn nominated Frances Bates to serve as Recording Secretary. Nomination seconded by Mr. Jervis. Frances Bates will serve as Recording Secretary for the Tri-County Drainage Board Meetings and perform necessary paperwork involved in this project.

Appointment of Surveyor

Per Attorney's advice, the Surveyor of the County with the greatest length of ditch to serve as Tri-County Board Surveyor on the John Hoffman ditch project. Neil Conner and Michael Spencer by preliminary estimation determined the following ditch lengths by County to be: Tippecanoe County - 20,000 feet, Clinton County - 15,000 feet, and Carroll County - 2,000 feet. Since Tippecanoe County has the greatest length of ditch, Michael Spencer will serve as the John Hoffman Drain project Surveyor.

III Establishment of Fees

Tri-County Board Members to receive a fee of \$35.00 per member per meeting.
Attorney to receive \$80.00 per hour of services rendered.
Recording Secretary fee set at \$6.00 per hour of services rendered.

Board members agreed that all records of ditch project costs be maintained by the Recording Secretary in Tippecanoe County and paid by Tippecanoe County, reimbursable upon completion of the project on a percentage basis per County.

IV Payment of Ditch Costs

Bruce Osborn clarified for the property owners in attendance that all costs incurred for this Drain project will be born by the property owners, whether the actual reconstruction is passed or not. Total costs, including Board member fees and services, administrative costs, as well as the actual construction costs will be included in assessments to be based on acreage of property owners served by the drainage. If passed, payment of costs to be made by assessment on an optional five year plan of payment with interest of 10% after the first year on the unpaid balance.

V Clinton County Report of Procedures Accomplished upon Petition Receipt

Neil Conner reported that upon receipt of the petition to classify the John Hoffman Drain that notices were published in various newspapers on June 13 and 15 and radio announcements made in compliance with the forty-eight hour open door policy, after determination that this matter need be addressed by the Tri-County Board. (Publication affidavits placed on file.)

VI Watershed Acreage and Tile Sizes

Per request of Mr. Barnes, Michael Spencer noted the following watershed acres to be: Tippecanoe County- 1028 acres, Clinton County - 822.92 acres, and Carroll County - 747.18 acres. Total acres of 2500.

Neil Conner stated that acreage of landowners represented on the petition had not been determined. Michael Spencer stated that acres represented on the petition would need to be determined for meeting of statutes requirement, as well as the number of acres to be assessed. Mr. Conner estimated the total number of property owners affected in assessment to be 100.

John
Hoffman

~~Tri-County Drainage Board Meeting - June 27, 1983~~

John Hoffman Ditch - (cont.)
VI (cont.)

Mr. Spencer quoted for Mr. Burkle the following tile sizes presently comprising the John Hoffman Drain and branches.

4600 feet of 30 inch tile	1600 feet of 18 inch tile	4800 feet of 10 inch tile
3500 feet of 27 inch tile	4000 feet of 15 inch tile	4900 feet of 8 inch tile
3000 feet of 24 inch tile	4000 feet of 14 inch tile	1450 feet of 6 inch tile
5800 feet of 20 inch tile	3500 feet of 12 inch tile	Total of 41,525 feet.

Mr. Spencer explained that the smaller tile sizes would be those of drain branches.

John
Hoffman

VII Property Owners Concerns

Mr. Burkle noted his concern with surface water problems. He stated that he had received a letter from Soil Conservation in 1978 estimating the cost per acre to repair the drainage problems at \$100 to \$200. The Board denied that any charge this high had ever been made in the past. Mr. Burkle stated that the Soil Conservation study had recommended a seven foot ditch with a four foot bottom. He expressed his intent to support the project regardless of cost and that the project be completed and completed correctly. He recommended a Buck Creek type ditch, this ditch serving 3097 acres.

Mr. Amstutz reported the present work in progress to transfer water to another watershed, thereby creating a dual watershed area serving one property owner. Mr. Fred Hoffman noted that double assessments were not recommended, but that the property owner must consider if it is beneficial and the cost reasonable. Mr. Hoffman recommended that costs be shared on ditch projects and that Mr. Spencer be informed of dual watershed areas in existence, so that the effect to the Hoffman project may be examined.

Mr. Barnes reported that a neighbor had built a dam thereby preventing proper drainage and causing standing water on his property. He reported that previous work done on the drain to alleviate surface water problems were ineffective, with the ditch normally full to half full and not draining.

Mr. Hoffman clarified for Mr. Amstutz that a 75 foot easement on each side of a ditch and the right of egress is given to the County to maintain and clear the ditch. A property owner may not prevent such maintenance or County use of the easement for such purposes.

Mr. Conner explained to Mr. Burkle that reconstruction can be either an open or closed ditch depending on the need, regardless of the existing type ditch. Michael Spencer stated the difference between the ditch types as to cost were considerable, the open ditch being more economical. Mr. Lucas conferred that replacement of large tile was not economical.

VIII Future Meeting Date

The Board agreed that upon completion of the Surveyor's preliminary report and an estimate of costs involved, an informal meeting for the information of property owners would be scheduled. Current assessment lists to be obtained from each County by the Surveyor, and notification given to all affected property owners, including any affected by an extension of the Drain if needed. Next meeting to be scheduled in two to three months minimum. No definite date set at this time.

The meeting was adjourned at 10:45 a.m.



Bruce Osborn, Board Chairman



Attest: Frances Bates
Recording Secretary

Regular Board Meeting May 1, 1985

TIPPECANOE COUNTY DRAINAGE BOARD MEETING

The regular meeting for Tippecanoe County Drainage Board met Wednesday, May 1, 1985, in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana at 8:30A.M..

The meeting was called to order by Chairman Bruce V. Osborn with the following in attendance: Bruce V. Osborn, Chairman, Eugene R. Moore and Sue W. Scholer, Board Members, Michael J. Spencer, Surveyor, Fred Hoffman, Drainage Attorney, George Schulte, Drainage Engineer, and Maralyn D. Turner, Executive Secretary, others in attendance are on file.

FAITH BAPTIST CHURCH

Jim McClain, engineer of Master Design Inc., of Fort Wayne, Indiana representing the property owner Faith Baptist Church presented Preliminary Plans for Faith Baptist Church. Property is located 26 East and 550 East, Perry Township, 23N, Sec.19, Range 4 W., consisting of 12 Acres. Jim had previously met with Michael Spencer and George Schulte for a preliminary review. He has followed ordinance using existing flow based on a 10 year storm event and using 100 year storm event for the developed sight, all calculations are on one sheet. The acreage flows to the East and to South, except for the very north end of the property (2.15 Acres) drains north and east. This 2.15 acres is not considered for the south detention basin. When developed detention measures will be established. Remaining area (9.85 Acres) flows to the south basin. At the present time there is no developing planned for the north end of the property, however at a later date a ball field maybe developed, there is a power easement at this area of the property, this will have a bearing on the development. Normal spill way for the basin is proposed to exit along the right of way 100' to east where there are two (2) existing 18" storm culvert pipes under Highway 26 East an existing inlet in field goes into a 10" tile 400' away into an open drain. They are asking to allow the water to come to same point as it does today. Detention is 316' long and 85' across which will blend well with the development. Water on 100 year return storm at the low end would be 2' deep, 0-2' always positive drainage to the normal spill way. Engineer is prepared for the future to either expand the existing basin or add another basin for any future development.

FAITH
BAPTIST
CHURCH

QUESTIONS: Legal Drain? NO. Where does the water eventually end up? Water goes through Hickory Hills into the Wildcat Creek. Inlet, what if it isn't capable of taking discharge from detention basin for a heavy storm, what will happen? There is no official side road ditch on the church property. Open ditch is 400' east of Church property. Michael Spencer ask if he had looked into the 10" tile catch basin, this he has concern. Fred Hoffman, is the water being channeled in along the Highway Right of Way? Jim, we are proposing the outfall of detention basin about 1½' above the invert of the 10" tile with a small channel earth constructed on the Highway Right of Way. Fred, do you have permission of State Highway? Answer, they are aware they need to go before the State Highway. Is there a grate on tile? YES. Top around tile inlet is higher than invert out of the two (2) 18" culvert pipes. This is not uncommon. MAINTENANCE, he it noted that after water leaves the church property the church still has responsibility for maintenance of the 10" tile. Ravine system carries runoff from the area. Erosion is minimal. George Schulte had concern for detention storage volume required plus 6% and he wants to see stage discharge from outlet. Mr. McClain was aware of these two subjects and wanted to discuss with George and Michael. Fred requested that the adjoining property owners be notified of the drainage plans, Hickory Hills and on the south side of 26, Shaw Farms, Francis Albrechts is tenant on the Shaw Farm, Richard (Dick) Shaw is owner, Mr. Allman is manager. Sue W. Scholer moved that Preliminary Approval be given to Faith Baptist Church with the Condition of getting State permit to use Right Of Way and permission to use mutual drain. Seconded by Eugene Moore, Unanimous approval was given by Bruce V. Osborn.

Pastor William Goode ask if a special meeting could be held if all necessary final plans were ready before June Drainage Board meeting, reason for this question, engineer is submitting to the State A.B.C. building plans for approval and hopefully they will have a release for this in a week or two. State Board of Health has given approval of Plans and Specifications, this is on file in the surveyor's office in the file of Faith Baptist Church. Mr. McClain ask if Building plateau could be done prior to receiving final on drainage plans or is a special meeting required prior to the June Board meeting. Can Church apply locally for building permit to do earth work only if State approves Foundation release? Bid contracts for earth construction are being written up, Mr. McClain stated that in the bid they can include that the detention pond will be built during the earth work constructions. The board is agreeable, but if the Highway Department does not give permission a special meeting would have to be held before the board could give final drainage approval should the church have to go another way with their drainage plans.

INTERNATIONAL FOUR GOSPELS CHURCH

John Fisher representing International Four Gospel Church property owners of land at Southwest corner of South Eighteenth Street and 350 South, north of Valley Forge Subdivision, in the Kirkpatrick watershed area. Surface area will be of compacted stone. Mr. Fisher has talked with Dan Ruth in regards to the entrance and intersection. He has looked at the future of the development, as at a later date they may want to have paved surface. Plans were not presented in time to grant preliminary approval of drainage plans.

INTERNATION
AL FOUR
GOSPELS
CHURCHMCCUTCHEON HEIGHTS

John Fisher representing the property owner of McCutcheon Heights ask the board if they would consider a larger detention basin. Originally plans were proposed to go down through large channel into lower basin of Wea Creek. George ask if this was on their ground? YES? Bruce ask if this was in the flood plain? Yes, can't construct in a flood plain, this would be in the fringe of flood plain area. George ask if the outlet of McCutcheon Heights drain directly into Wea Creek without crossing any other property or is there adjoining property involved? Originally it was their won property, but since then it has been sold, so therefore it now crosses other real estate. The board ask Mr. Fisher to come back with Preliminary drawings and at that time they will act on his request, not enough information had been presented for action by the board. Mr. Osborn requested a study be done on site. Michael and George will proceed with this request.

MCCUTCHEON
HEIGHTSMOSS CREEK SUBDIVISION

Robert Grove representing Moss Creek Subdivision requested final drainage approval.. Preliminary approval was granted at the March 6, 1985 board meeting. Michael Spencer state that the construction plans comply to the preliminary approval, George Schulte agreed. Sue W. Scholer moved that Moss Creek Subdivision be given final approval for the drainage plans presented. Seconded by Eugene R. Moore, Bruce V. Osborn making motion unanimous.

MOSS CREEK
SUBDIVISIONHOFFMAN DITCH

Michael J. Spencer, surveyor ask the board if he could request a Tri-County Drainage meeting for the Hoffman Ditch, he wants to ask for authorization to appropriate money from General Drain Fund so that he can dig test holes for elevation. Request granted.

HOFFMAN
DITCHCAMELOT IV AND V

Per Fred Hoffman, drainage attorney Special Meeting minutes of March 29, 1985 held by Tippecanoe County Commissioners should be attached in the Drainage Board minute record book, as original agreement of bond was voided and another agreement was approved. See attached copy of minutes. This is reference to Drainage Board minutes of February 6, 1985.

There being no further business to come before the board, meeting was adjourned at 9:30 A.M.

Bruce V. Osborn
Chairman

Eugene R. Moore
Board Member

Sue W. Scholer
Board Member

ATTEST: Maralyn D. Turner
Maralyn D. Turner, Executive Secretary

The Tippecanoe County Drainage Board met at 8:30 A.M., Wednesday June 5, 1985 in the Tippecanoe County Office Building 20 North Third Street, Lafayette, Indiana in the Community Meeting Room for the regular meeting.

Chairman, Bruce V. Osborn called the meeting to order with the following in attendance: Bruce V. Osborn, Chairman, Eugene R. Moore and Sue W. Scholer, Board Members, Fred Hoffman Drainage Attorney, George Schulte Drainage Engineer, Michael J. Spencer Surveyor, and Maralyn D. Turner, Executive Secretary. Other in attendance are on file.

BEN-LA-DEL BEN-LA-DEL SUBDIVISION PART 7
PART 7

Robert Grove representing Howard Benker, developer requested final approval of Construction Plans and Drainage Plans. Plans had been submitted to the Board earlier last month. Mr. Grove stated that the developer had come before the board last month. Mr. Grove stated that the developer had come before the board last year requesting approval of a change which involved relocation of the entry road which would affect the lower detention basin, he has now come back and revised the plans and does not need to change basin. Plans are back to the original plans which has been approved by the board and accepted. There are no alterations at this point. George Schulte stated: the plans meet the criteria of the Drainage Board.

Eugene R. Moore moved to give final approval to the Construction Plans and Drainage Plans of Ben-La-Del Subdivision Part 7, seconded by Sue W. Scholer. Unanimously approved.

CREEK RIDGE CREEK RIDGE

John Fisher representing Bruce Gunstra, developer requested final approval of Construction Plans. Michael Spencer and George Schulte have concern in regards to Energy Dissipator at bottom of hill and Erosion Control, recommend shot rock be used for rip-rap. Development has city sewer and community water supply.

Eugene R. Moore moved approval be given subject to Erosion Control Program and a certified set of plans being submitted, seconded by Sue W. Scholer. Unanimous consent.

VARIANCE AGREEMENT between the Board and the land developer, Bruce Gunstra and his assigns was signed by the Board, this agreement is attached, a copy was sent to Thomas L. Brooks, the original was recorded.

FAITH BAPTIST CHURCH

FAITH BAPTIST

John Fisher representing Faith Baptist Church, plans had been presented earlier, but those plans have been changed. Mr. Fisher was asking for final approval. Much discussion. Michael J. Spencer, Surveyor ask about the existing culvert crossing 550 East at the entrance, how much run off does it carry onto the site. Mr. Fisher stated that Mr. Mahan developer of Heritage Estates ask what was happening. Heritage Estates drainage system has a 20" or 21" field tile that runs on the west side of 550 East flows north. There are series of inlet structures, road creates a levy. Mr. Fisher proposed to plug this pipe so there would be no water coming in on church property. George stated the biggest concern is does this drain any of Heritage Estates. Board requested that this pipe not be plugged, they recommend that it be incorporated into the church system. Question on 20' easement of tile, trash structure, concrete box at entrance (study size etc.). Mr. Hoffman ask that a recorded written easement be presented. Board will reconvene Friday, June 7, 1985 at 8:45 A.M. to give final approval after all conditions are met.

FOUR GOSPEL FOUR GOSPEL INTERNATIONAL CHURCH
CHURCH

Mr. John Fisher representing Four Gospel International Church ask for preliminary approval of plans. Right of way was concern of the board, but Mr. Fisher said no problem there is 40' (half width right of way is 40'). George Schulte had concern on the trash structure going out of detention basin and the slope on the detention basin, these details need to be put into the final plans. Michael Spencer ask that in the Construction Plans it show the volume of the detention basin plus 6% over for siltation, cross section include Erosion Control Plan, side slopes. Plans at the present time reflect the existing ditch. Sue W. Scholer moved to give preliminary approval for the Four Gospel International Church drainage plans, seconded by Eugene R. Moore. Unanimously approved.

There being no further business to come before the board at this time adjourned at 9:50 A.M. to reconvene on Friday, June 7, 1985 at 8:45 A.M. to give consideration for final approval for the Faith Baptist Church Construction and Drainage Plans.

FAITH BAPTIST CHURCH

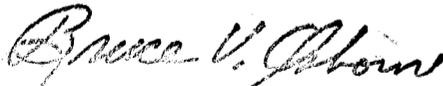
FAITH BAPTIST CHURCH

The Tippecanoe County Drainage Board reconvened for Final Approval on Construction Plans and Drainage Plans for Faith Baptist Church. Michael J. Spencer, surveyor presented the Construction Plans and Drainage Plans to the Board. All conditions had been met. Recorded 20' Easement on tile is on file and attached to this minute book.

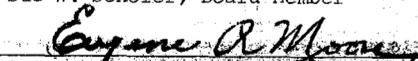
Eugene R. Moore moved to give Final Approval to Faith Baptist Church at 550 East and State Road 26 East for the Construction Plans and Drainage Plans. Bruce V. Osborn making motion Unanimous.

There being no further business to come before the Board the reconvened meeting of June 5, 1985 was adjourned.

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Bruce V. Osborn, Chairman


Sue W. Scholer, Board Member


Eugene R. Moore, Board Member

ATTEST: 
Maralyn D. Turner, Executive Secretary

TRI-COUNTY DRAINAGE BOARD
June 5, 1985

The Tri-County Drainage Board of Carroll, Clinton, and Tippecanoe Counties met in the Community Meeting Room 20 North Third Street, in the Tippecanoe County Office Building at 9:00 A.M. for the purpose of reorganization and other business regarding the John Hoffman Drain, Wednesday, June 5, 1985.

Drainage Attorney Fred Hoffman called the meeting to order. He brought the Board up to date. Since the previous meeting Carroll County had a change in their representative and the Recording Secretary Frances Bates is no longer with Tippecanoe County. Mr. Hoffman ask Mr. Bruce Osborn, Chairman to preside.

Mr. Bruce V. Osborn ask for nominations for Secretary of the Board. William Lucas nominated and Bruce Osborn seconded the nomination of Wayne Swain to serve as Secretary of the Board. Wayne Swain is Carroll County representative.

Mr. Osborn ask the Board if they wanted Maralyn D. Turner, Tippecanoe County Drainage Board Secretary to fill the position of Recording Secretary, Board agreed to this selection.

Mr. Fred Hoffman will continue to serve as the Drainage Attorney.

Maralyn D. Turner, Recording Secretary read the minutes of June 27, 1983, they were approved as read.

Michael J. Spencer, Tippecanoe County Surveyor stated the survey of the drain had been completed. He ask the Board for approval of hiring a backhoe so that he can get more elevation shots of unexposed tile. Using a backhoe the holes can be filled back up. Mr. Spencer stated there are no funds in maintenance and the only way to fund this project would to make a withdrawal from the General Drain Fund of Tippecanoe County, he estimated cost would be no more than \$2,000.00 as it would only take a day or two to complete. The fee would then be charged back to the project.

Mr. Joseph McGriff, property owner ask where this ditch originated? Mr. Spencer stated there are three branches of the ditch and the outlet is north of State Road 26 East at the first culvert. He showed the property owners the map of the Hoffman Drain.

Wayne Swain moved to allow up to \$2,000.00 be drawn from the General Drain Fund of Tippecanoe County to hire a backhoe to open up test holes to get elevation, seconded by William Lucas. Unanimous approval was given.

Neil Conner, Surveyor Clinton County ask that copies of the June 27, 1983 meeting be sent to the other counties represented along with a copy of the June 5, 1985 meeting. Mr. Hoffman requested copies.

Those in attendance were: Bruce V. Osborn Chairman, William Lucas Vice-Chairman, Wayne Swain Secretary, Fred Hoffman Attorney, Neil Conner Clinton County Surveyor, Michael J. Spencer Tippecanoe County Surveyor, and Maralyn D. Turner Recording Secretary. Property Owners in attendance were: Mr. and Mrs. Joseph McGriff, and Mr. and Mrs. Wayne Christopher.

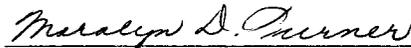
There being no further business the meeting was adjourned at 9:20 A.M.



Bruce V. Osborn, Chairman, Tippecanoe County

William Lucas, Vice Chairman Clinton County

Wayne L. Swaim, Secretary Carroll County



Maralyn D. Turner, Recording Secretary

TIPPECANOE COUNTY DRAINAGE BOARD
Regular Meeting
October 2, 1985

The Tippecanoe County Drainage Board met Wednesday, October 2, 1985 at 8:30 A.M. in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana. Chairman Bruce V. Osborn called the meeting to order with the following present and others are on file. Chairman Bruce V. Osborn, Eugene R. Moore, Board Member, Michael J. Spencer Surveyor, George Schulte, Drainage Engineer and Maralyn D. Turner Executive Secretary.

BUCKRIDGE SUBDIVISION

Buckridge
Subdivision Robert Grove engineer for the developer and David Kovich developer presented as built plans. The board accepted the as built plans for review, after reviewing the surveyor will submit a letter to Area Plan, Highway Department, and the Board of Health.

CROXTON WOODS

Croxton
Woods Robert Grove engineer representing developer stated that at last months meeting it was discussed to revise over all drainage plans for the Croxton Woods, the plan was approved in

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Regular Drainage Board Meeting, October 2, 1985 Continued.

1980. Mr. Grove submitted Preliminary Plan. In two weeks he will submit Construction Plans Discussion again on the biggest problem is the ravine right behind the Flower Shop, there has to be a pipe to get the water away as there is no water standing. No good outlet. There is 6.5 Acres in the development with 17 single family lots, one which is to be used for a storm water detention basin. The runoff for a 10 year storm for the undeveloped condition is 7.5 cfs, for 100 year storm event is 16.21 cfs. The area of controlled runoff which is routed through the detention basin is 3.80 acres. The uncontrolled runoff is mostly lawn area and some street which is 5.37 cfs. The allowable discharge from the basin for 100 year runoff 5.37 cfs which leaves 2.13 cfs allowable discharge from the basin. The developer has agreed to give up a lot (triangle shape lot) at the top of the ravine for a detention basin. Development is not in the City. Question as to who would maintain. Mr. Grove stated that they were hoping the Developer and Commissioners could come to an agreement after approval, but Mr. Hoffman stated that the system would have to be a legal drain for the Commissioners to take it. George Schulte's main concern is the maintenance of the Detention Basin. A Legal Drain would take care of the problem, but where to stop is questionable. The Board accepted Preliminary Plans as presented.

PRAIRIE OAKS SUBDIVISION

Prairie
Oaks
Subdivision

John Fisher, engineer and developer David Lux of Prairie Oaks Subdivision next to McCutcheon Heights, the area is on top of the hill north of McCutcheon School overlooking Wea Creek Valley. Original plans were to have a detention area in the ravine, would like to change route of the surface water runoff down into the lower grounds, create an open swale along southern side of proposed lots of undeveloped portion of Prairie Oaks continue elongated storage area or expand the ditch section. Mr. Fisher has a drawing that he did not bring with him that shows the Flood Hazard elevation, if the basin is in the Flood Hazard area, only the storage above the 100 year flood elevation will be counted. There is no detention area at this time in Prairie Oaks. Like to make Legal Drain for maintenance. Mr. Fisher ask if it would be possible to create Legal Drain with Subdivision, there would be no control of outlet after it leaves the property. Mr. Hoffman stated they would have to hook into another legal drain. Mr. Fisher will get drawing to the surveyor's office for review and action will be taken at the next Drainage Board meeting.

FELBAUM BRANCH OF THE BERLOVITZ

Felbaum
Branch of
Berlovitz

Hearing will be October 16, 1985 for the Felbaum Branch of the Berlovitz ditch. Mr. Hoffman ask the board to get another attorney as he can not advise the board officially. The board ask the secretary to send a letter to Lawrence O'Connell asking him to set in on the hearing. Letter was sent October 2, 1985.

WADDELL BRANCH OF THE J.B. ANDERSON DITCH - TRAIN COE DITCH

Waddell
Branch of
Berlovitz
Train
Coe
Ditch

Chairman Bruce Osborn read the following ditches as having no activity in the past two years. These ditches have gone through the five year collection period for reconstruction or construction, no activity for two years we should ask the Auditor to transfer funds to Drain Maintenance Account. Waddell Branch of the J.B. Anderson Ditch \$1,004.50 and Train Coe Ditch 2,531.61. Eugene R. Moore move to send a letter to the Auditor requesting the Auditor to transfer the money for the Waddell Branch of the J.B. Anderson ditch and the Train Coe ditch to Drain Maintenance of the respective ditches. Motion carried.

Ditches for the years of 1987 will be Michael Binder Ditch and 1988 John Saltzman Ditch. This is for the records.

HOFFMAN DITCH

Hoffman
Ditch

Chairman Bruce V. Osborn ask the surveyor what has been done in regards to the Hoffman Ditch. Michael is waiting for the crops to be harvested and work will be done in digging holes for elevation findings.

GOSMA DITCH

Gosma
Ditch

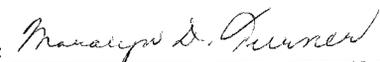
Mr. Hoffman ask what is happening on the Gosma Ditch? Michael stated two meetings have been attended. White County is working on assessments they will send them to Tippecanoe County before next hearing, to this date Michael has received no correspondence.

There being no further business to come before the board, the meeting was adjourned at 9:20 A.M.


Bruce V. Osborn, Chairman

Absent
Sue W. Scholer, Board Member


Board Member

ATTEST: 
Maralyn D. Turner, Executive Secretary

April 2, 1986 - Regular Drainage Board Meeting

April 2, 1986
Tippecanoe County Drainage Board

The Tippecanoe County Drainage Board met Wednesday, April 2, 1986 at 8:30 A.M. in the Tippecanoe County Office Building, Community Meeting Room with Chairman Bruce V. Osborn calling the meeting to order.

Those present were: Bruce V. Osborn Chairman, Eugene R. Moore and Sue W. Scholer Board Members, Michael J. Spencer Surveyor, George Schulte Drainage Board Engineer, J. Fredrick Hoffman, Drainage Board Attorney, and Maralyn D. Turner Executive Secretary, others present are on file.

Maple Point Enterprises, Inc. was ask to present their request, not all representatives were present, therefore they ask to be heard later.

CROXTON WOODS

CROXTON
WOODS

Robert Grove representing Croxton Woods Developer Mrs. Croxton, ask for final drainage plan approval. Project has been reviewed by Michael Spencer and George Schulte along with Mr. Grove. Michael ask questions in regards to: 1) Inlet structure behind Flower Shop on tile that comes under building. 2) Maintenance. Mr. Grove stated that he is not sure who would take care of the maintenance, he would have to ask the owner and her attorney as to who they want to handle maintenance. Mr. Hoffman suggested that it would be the county. Mr. Grove agreed. This would have to be to the outlet. Doesn't do any good to the upper part without the lower. Michael Spencer pointed out that this is underneath Teal Road and State Road 43, outlet crosses under building, into Durkee's Run on to the Wabash. After hearing this, Mr. Hoffman withdrew his statement. Mrs. Croxton owns the office building next to the Flower Shop, two ravines come down and tie together behind the office building, tile is 30" concrete tile (behind Building) goes on west under State Road 43. Mr. Hoffman ask what would happen if the people would put up a wall to keep water from getting to the ravine. Mr. Grove said that it would just push the water back up the ravine. Sue Scholer ask, at this point the water has been getting out, correct. Michael Spencer stated yes, but must realize there has been no development above to create a problem. Bruce V. Osborn ask, Land to be assessed for the maintenance, who is the owner? Mr. Grove stated that it depends on how the outlet is described. Mrs. Croxton owns the area, is planning on selling the office portion, the ravine comes down cuts across the Flower Shop, she now owns 98% and doesn't own the outlet. No one knows who owns the Flower Shop. After much discussion. Mr. Grove stated that Mrs. Croxton did not create the problem and they are doing everything that they can. Mrs. Coxton has given up a lot (\$7,000.00) to help the situation, more would cost her another \$3,000.00. Question, Could the other people help out? Would like to see the other people help. Legal Drain: Mr. Grove was ask if he could get their concurrence to make a legal drain, he stated he didn't know, would have to talk with the landowners. Mr. Hoffman stated that a meeting should be held with all property owners. Michael Spencer stated that it really is just Mrs. Croxton, the Flower Shop owner and the State Highway Department. Mr. Hoffman ask that a letter be sent to the property owners and the State Highway Department, with the State Highway Department see what they have in mind for the future. Mr. Bruce V. Osborn ask that Mr. Grove get the names so that a letter could be sent to the property owners. No action was taken. Mr. Grove will bring information back to the June 4, 1986 Drainage Board Meeting.

MAPLE POINT ENTERPRISES, INC.

MAPLE
POINT
ENTERPRISES

Joe Bumbleburg attorney, Judith Hammon President of Development, and Mark Houck engineer were present, Mr. Bumbleburg stated that they have two(2) kinds of problems, one a technical problem which Mark Houck presented later in the meeting in regards to Storm Events with Hobbies Ditch and the Wilson Branch. The other the board received a letter dated March 27, 1986 asking for the approval on two items: 1) Ditch side slopes - approval to MPE to change the existing slopes from a 2:1 ratio to 3:1 ratio. 2) Easement reduction - approval to reduce existing easements from 75 feet from the top of each bank to 25 feet. These matters had been discussed with Michael Spencer. The Board will give approval to change slopes under the guidance of the Surveyor. Bruce B. Osborn ask, you want to reduce easement to 25' on both sides? YES! Sue Scholer ask if this was in essence from the last presentation? YES! Michael Spencer said he could live with the reduction, but it was up to the Drainage Board. This is in an urban area and it is inevitable that dirt will have to be hauled, he feels this is enough room to haul dirt. Bruce Osborn disagrees with the surveyor, Mr. Osborn stated, he personally would be willing to give reduced easement on one side, maintain the 75' on the other, option would be the developer. Mr. Bumbleburg ask, on the side that is chosen for the 75' would the board entertain a request for an encroachment so the developer could use it for parking etc. Bruce stated that this had been done previously, but it needed to be understood that it may have to be torn up at sometime at the owners expense. Michael stated that the dirt can not be spread on parking lot. Discussion in regards to spoil on the 75' easement. What happens to the spoil? Mark Houck feels the development in the area there would be no problem with spoil, he feels the area is not going to deteriorate. Mr. Osborn feels there should be no holding facility on an easement. Sue Scholer assumed the developer had come back with request because of the discussion in the last board meeting, March 5, 1986, their concern of having detention on the easement and then who is going to maintain them and the problem that may come. As it looks they have not eliminated wanting to use detention storage. Encroachment would be to the detention not the parking lot? Mark Houck stated, NO in response to the last meeting, instead of asking for 25' open space-10' one side plus putting both in easement. Can we reduce the easement thereby get those things out of the way. This would move this over and would provide access on both side of the ditch if a 10' were insignificant. Mark thought this was the major complaint at the last meeting. Originally they had plans to have one big lake, now they are looking at several small lakes, have stuck with the 75' easement, pond will be dry most of the time. Board would like for them to come in with the side they want to reduce. Again Sue Scholer stated she feels that the board is looking at plans today that the developer will bring back at the next meeting, answer is yes. They are trying to hold twice as much water that they are required to hold. In the long run as the entire watershed is developed. After much discussion. Sue Scholer moved to approve request for changing ditch side slopes of the existing side

April 2, 1986 Drainage Board Meeting Continued

slopes from a 2:1 ratio to 3:1 ratio under the guidance of the County Surveyor seconded by Eugene R. Moore, unanimous approval.

Eugene R. Moore moved to give approval on reduction of easement to 25' on one side and 75' on the other after the 3:1 slope and the developer have the choice of the side, seconded by Bruce V. Osborn, motion not carried as the board voted 2 to 1.

ILGENFRITZ ILGENFRITZ

Michael Spencer had a call from Mary Ann Smith a property owner, banks have broken out, he feels that sand bags will not hold it any longer, therefore he requested permission to hire a bull dozer to push the banks back up, would really like to have a dredger, but bull dozer will do. The area that needs repairs is on the easement, Alvin Pilotte property. Eugene R. Moore moved to give the surveyor permission to get a bull dozer to push the bank up, seconded by Sue W. Scholer, motion carried.

BRITT DRAIN BRITT DRAIN:

Mr. Hoffman ask the board to give the Britt Drain property owners a time limit for the Maintenance Agreement to be presented as it has gone to long. Eugene R. Moore moved to give the property owners six months from todays date, April 2, 1986 (time Limit) to have Maintenance Agreement signed and work completed, seconded by Sue W. Scholer, Unanimous approval.

ELLIOTT DITCH ELLIOTT DITCH

Michael wanted the board to know that we had print outs of the ditch and had discussed with the Data Processing Director ways to be helpful in making mailing etc for a hearing, after much discussion Eugene R. Moore and the board suggested the Drainage Board go before the Data Board at their April 7, 1986 meeting 10:00 A.M.

HOFFMAN DITCH HOFFMAN DITCH

Michael said holes had been dug and they had got shots for elevation, George Schulte, Robert Gross and he had walked the ditch, they will be getting plans and cost to the board soon.

SHAWNEE CREEK SHAWNEE CREEK
JAMES PARLON

A hearing will be at the next board meeting May 7, 1986 at 9:00 A.M. James Parlon Ditch is already a legal ditch, the hearing is to make the Shawnee Creek a legal drain, then combining the Shawnee Creek and Parlon ditch into one legal drain, Shawnee Creek.

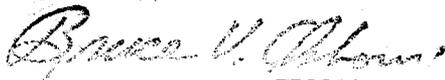
BUCK CREEK DITCH BUCK CREEK DITCH

Eugene Moore and Bruce Osborn had attended a reorganization meeting of Joint Board, Tippecanoe County and Carroll County for the Buck Creek Ditch, Michael Spencer surveyor was in attendance.

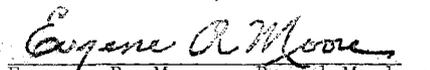
HADLEY LAKE HADLEY LAKE PROJECT

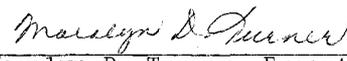
George Schulte wanted the board to know that he and the surveyor will attend a meeting April 9, 1986 in Indianapolis with the Department of Natural Resources, George will be presenting proposed reconstruction plans and recommendations.

There being no further business to come before the board, the meeting was adjourned at 9:50 A.M.


Bruce V. Osborn, Chairman


Sue W. Scholer, Board Member


Eugene R. Moore, Board Member

ATTEST: 
Maralyn D. Turner, Executive Secretary

TIPPECANOE COUNTY DRAINAGE BOARD

Wednesday, July 2, 1986

The Tippecanoe County Drainage Board met Wednesday July 2, 1986 in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana.

Eugene R. Moore Vice Chairman of the board called the meeting to order at 8:30 A.M. with the following in attendance: Eugene R. Moore Vice Chairman, Sue W. Scholer Board Member, Michael J. Spencer Surveyor, George Schulte Drainage Engineer, Tom Bush Acting Attorney, and Maralyn D. Turner Executive Secretary. Other in attendance are on file.

CAMELOT AND LOCKWOOD SUBDIVISION

Robert Grove engineer representing Tippecanoe Builders and Chris Kovich owner requesting to make Camelot and Lockwood Subdivision a legal drain, and developer wants to include Lockwood IV in legal drain. Mr. Grove presented earlier plans and stated that he had surveyed from the center line, he pointed out that the existing flow line comes out of the easement, this was Camelot IV & V when it was developed, there was a requirement to make the entire drainage system a legal drain, Chris Kovich has started the petition requirement and Mr. Grove has gone out and established the actual location of the drain. A decision needs to be made as to what the legal drain is going to be how wide, as this would be different from a standard legal drain, the 75' centerline or top of bank, as this would be going through a developed area. Revision will have to be made, Mr. Grove stated that they need to go through piece by piece to determine what the legal drain will consist of, everything has been done up to that point.

Michael Spencer ask Chris how he would propose the part that is so far out of the easement, how would they cover that? Can't plot a new easement across the lot. Subject being discussed is Lot 11 and Lot 12, that is 95' out of easement. Robert Grove stated that if you come with a legal drain which ends up showing an easement jump and it goes through the Whole procedure of the hearing and the drainage board approves at that point and time, it becomes a legal drain easement on that land regardless of what was there before. Mr. Grove stated he does not know how it effects the plotting process. Chris Kovich feels it is up to the board now as how the mapping will go, exactly where it is going to be and how wide, then make a determination of the feasibility of legal drain itself. Tom Bush, acting attorney said he would like to take this subject under advisement before stating a decision. Mr. Kovich stated that when notices are sent out it will have to be informed that the drain will be in an area where it will be 95' higher up on their property in respect to the other people. Every property owner will have to be notified as to what the proposed legal drain is going to look like, therefore all property owner will have the opportunity to voice their opinion. Once it is done under the statute of the legal procedures there would be no problem, it will be on their title insurance and abstract, new individuals will know that it will be attached to the property. Chris Kovich stated that the next step would be getting description and getting notices out, Mr. Kovich has a list of property owners, there should be a lot by lot description, this would give an opportunity to change the easement width in every platted lot.

Michael Spencer stated that as long as it stays withing the existing easement he doesn't see any problem. Width is major concern, Michael stated they should go out to site and go over 15' to 20' to see what it does. Dave Kovich felt that if it was kept at the flow line it would be ok, Michael stated as long as it did not eat in. Lot 12 is for sale. Robert Grove stated the other portion would be coming up through Lockwood IV, this is the one to be approved as soon as possible, this would be a continuation of legal drain up to the property line and up to the basin. Michael as if Buckridge would be coming a portion? Will there not be any more basin? Answer maybe one, do not know how they are going to handle this matter at this time. Robert Grove felt there was no problem as there is one owner. Robert Grove stated the other thing in question is how is it going to affect Lockwood IV they are wanting to get preliminary approval as soon as possible and continue on with approval process at the same time.

Eugene Moore ask if there wasn't an agreement previous that the developer would petition for legal drain before going any further, the developer did get petition. Chris Kovich stated they are going to proceed, need to keep in mind that it may work and it may not, have to have people in. If the developer makes a good faith effort along while developing the area to proceed simultaneously with legal drain that they could continue developing as the

developer could come to a point that the people could say no., that depends on the county. The Developer has agreed to cooperate on the legal drain, they have not had any complaints with respect to the drainage area, the detention that has been put in upper and lower things have been running smoothly. Again Mr. Grove pointed out that they can only do so much up to a certain point, developer can't make it a legal drain that has to be done in proper procedure. Mr. Grove stated that they would like to continue on with the construction plans. He felt that things could get going in a couple of weeks and as soon as Micheal gets out to look at the project and describe it, get the petition, then things will proceed.

George Schulte recommended the following: Lockwood IV

1. Put filter cloth under spillway riprap at detention pond.
2. Require IDOH P-12 inlet at detention basin outlet instead of that shown.
3. Require concrete pipe anchors on the 50" X 31" CMP arch pipe and a strap anchor over the pipe.
4. Drainage easement for offsite storm runoff.
5. Easement to provide a positive outlet for the upper watershed, offsite watershed area consisting of 30 A, which would rain into the 50"X31" pipe.

David Kovich had questiin, were they to approach the two homeowners? Mr. Grove stated the way to handle would be to decide what would be needed, then inform them through the legal drain petition process. They would be notified the same as other property owners. Petition is in compliance, was amended

Sue W. Scholer moved to give preliminary approval for Lockwood Subdivision Part IV including the list of stipulations that had been given to Robert Grove, seconded by Eugene R. Moore, motion carried.

VALLEY FORGE

Robert Grove representing the Developer requested final approval subject to any changes. Area is Phase 2 Section I along Ninth Street South edge of Kirkpatrick legal drain. Construction Plans for the Permanent Basin for Valley Forge were submitted. These plans were requirement for the development of the remaining fourteen lots in Phase I and is sized to serve both Phase 1 and Phase 2. Runoff calculation and pipe sizes were submitted for both Phase I and Phase 2 at the time the Interim Basin was approved, the interim basin is to be removed after the completion of the permanent basin. Plan included the grading and utility plan for Phase 2 showing the approved pipe system, the plan has been revised to create an outlet for the proposed basin with a twenty-foot wide access to the Cul-De Sac. The development started in three phases which consisted of 40 lots, drainage board stopped development beyond the 40 lots at the time the interim detention basin was put in. Mr. Grove though there was an \$18,000.00 bond posted. The owners want to develop the 14 lots. In order to do so do so they need to build the permanent basin and storm sewer to it, another piece of storm sewer that exist now goes to an open ditch to the interim basin. There are 2-30" main pipes on the inside at the present time, in order to meet the requirements for the 14 lots the development will have to continue the whole system into the basin. Mr. Grove thought they would keep the interim basin as long as possible, not use it, but just use it for silt, then when they get into Phase 3 and it begins to work they can leave the interim basin, then when they get it seeded and a good stand of grass in the future take it out, he stressed it should be left in throughout the construction as it is a good silt basin. George ask in the basin that they are proposing, will it take care of the four phses, 40 lots plus the 14 lots? Answer -Yes, plus proposed Phase 3. The proposal is not platted, they had to come up with a lot configuration grading and utilities in order to make things work, so that in the future they will know everything is going to work. When construction plans are done a well defined swail needs to be put in to make sure that all the 100 year storm water does get into the basin, pipes in the development are proposed for a 10 year storm, not a 100 year storm then 100 year has to get into the basin by going down the streets behind the lots.

Michael stated the board would need to know if changes were going to be made how they were going to get the water over to the other basin. The developer has given up 1 lot instead of having an easement area, it is actually an out lot, which would be a part of the platted subdivision. Robert Grove felt an easement would be needed for the 14 lots, the easement being within the proposed right of way, if the county proposes to maintain, the developer proposes to give an easement right over the right of way for now including the out lot when it platted then there would be no problem.

George Schulte stated the detention area should be made a legal drain. The 40 lots would be included in the legal drain as those lots would have to be assessed to maintain. Valley Forge people would pay a separate assessment. Geogre Schulte had some recommendations if the county was going to maintain the detention basin.

1. P-12 inlet used on outlet structure from detention basin.
2. Place filter cloth under spillway riprap.
3. Paved gutter from strom pipe to outlet structure.
4. Easement around detention basin fro future maintenance.
5. Double inlets should be placed at low point on vertical curve, this could be something that should be discussed with the Highway Engineer Dan Ruth, as there are new rules in regards to state highway specification, as the streets will be county.

Mr. Moore ask if there were any petitions at this time for legal drain? NO. At the present time nobody is taking care of the area, only the developer would take care. Mr. Moore as if the county had accepted the streets? Nobody was sure, but assumed they have been accepted.

George stated the major drainage system going across the back lots need to have enough easement to maintain the pipe (30") anything out of the right of way(outside) should be included as a part of the legal drain, things in the right of way technically could be taken care of by the county highway, but things between lots would be outside the right of way. There would be no maintenance there. Developer is Tippecanoe Builing Corporation, Drew Freeman, Don Smith and Bradsha. They were partners with John Smith, John is no longer a part of the Corporation. Sue W. Scholer moved to give preliminary approval on Valley Forge Phase 2 Section I and proceed with a petition for legal drain and stipulations given before final approval, motion seconded by Eugene R. Moore, motion carried.

HOFFMAN DITCH

Robert Gross with Stewart Kline Associates presented Estimated Construction Plans for the Hoffman ditch, the ditch drains in an area of Carroll, Clinton, and Tippecanoe County. Currently is a combination tile and open ditch. A petition had been presented approximately

July 2, 1986 Hoffman Ditch Continued

two years ago to have the drain reconstructed. Mr. Gross is the engineer working on the estimates, defining the watershed area and determining what needs to be done. At 90° E, pipe structure needs to be lowered, grade is real flat, needs to be lowered to get better grade back up stream, there would be more channel excavation, priced probably to the County Highway for dropping the pipe. Cost would possibly be \$40,000.00, if the pipe isn't lowered or grade restricting there would be alot of siltation in the channel, base of the channel will silt full in 5-10 years, then it would have to be cleaned out again this would keep the velocity up and keep it clean(AltII).

PhaseII would entail alot of County Highway since several roads would be crossed, which would cause a need for new culverts or larger tile. The estimates were based on the assessed acreage. Correct acreage will be determined when a hearing is held. At this time we have different figures. Michael feels that we need to call a Tri-County Board meeting and have Mr. Gross present his Construction estimates, then let the board decide what to do. The board wants to get Dan Ruth involved in this project since 900 East needs to be lowered. Letters need to be sent out to the Tri-County Board members and have a hearing, just a board meeting.

See attached presentation of Robert Gross, engineer.

RIVER BLUFFS SUBDIVISION PART III

Patrick Cunningham engineer, representing Gregg Suttter and hisself as developers of Rover Bluffs Subdivision PartIII. June 4 Board Meeting Mr. Cunningham came before the board asking for preliminary approval of storm water management program, at that meeting Michael Spencer surveyor, and George Schulte Drainage Board engineer, suggested to the board a possibility of a waiver for the requirement of detention ponds in the subdivision, because of the proximity of the flood plain area and the Wabash river. At that time Mr. Cunningham did not look at that as he felt the board could not grant the waiver as drainage would go across the David Stevenson property. Mr. Cunningham is now requesting a waiver of the requirement for detention storage within the subdivision. Mr. Cunningham presented map showing the location of subdivision and drainage showing the channels as the drains come off the subdivision and drains down into the Wabash river with flood plain area having a 530' elevation. He stated that detention ponds are not an assest to subdivision, they are a continual maintenance problem, he feels that it would not be an impact upon the Wabash river, therefore a waiver could be allowed. Mr. Cunningham presented a letter from Mr. David M. Stevenson dated June 23, 1986 which reads:(Copy in River Bluffs File)

June 23, 1986

Drainage Board of
Tippecanoe County
County Office Building
20 North Third Street
Lafayette, Indiana 47901

Subject: River Bluffs Subdivision Drainage

Dear Commissioners:

I have no objections if your baord allows subject subdivision to be developed without detention storage ponds or any other form of storm water detention.

Respectfully yours,

David M. Stevenson
1000 Ortman Lane
Lafayette, Indiana 47905

Michael Spencer stated that he thought the board had ask for something that would be recordable, in checking minutes of June 4, 1986 meeting there was no discussion in regards to a document that would be recordable. The letter presented today is just a personal concept between himself and River Bluffs Subdivsion Part 3 developers. Should he sell his property this agreement would go with the property and the next owner may object. Mr. Cunningham felt there would be no problem getting a legal document from Mr.Stevenson as he has agreed. Michael Spencer has no objection to waiving requirements to detention storage if he has a recordable document that will run with the land.

George Schulte felt that the board was giving an opinion here in regards to the flood plain and the impact is going to be minimal in this area. What we are lookingat now is the legal issue on the subject from moderating the ordinance. Can that be done? The impact being minimal really won't affect the downstream area from this development. As far as the issue , can you say no you don't need detention storage this is up to the board and legal counsel. Mr. Cunningham stated there were some property owners sitting in the meeting and have an attorney here representing proeprty owners in the area. They are concerned about the effects of the detention storage in the area verses the over all impact of what the drianage might be in the flood plain area. Attorney Cy Gerde, stated there are property owners who have no financial interest in the development, but live in the first Phase of the development, these property owners are very much opposed to having detention ponds within the development for mosquitos, nuisance, and other complication, they support the waiver.

Sue W. Scholer moved the board go on record as being in favor of granting a waiver of detention if consultation with legal counsel indicates that it is advisable, seconded by Eugene R. Moore, motion carried.

ELLIOT

Sue W. Scholer ask what has been done toward the Elliot ditch? Michael stated we are not on it right now in regards to working with Data Processing in getting notices out for a hearing. The material is ready as soon as Data Processing Department gets a programmer and as soon as that person gets aquainted with the system... we can proceed with Elliot Ditch.

Tippecanoe County Drainage Board adjourned meeting at 9:35 A.M., with a recess until 10:00 A.M. when a hearing was held with Tippecanoe and White County Joint Drainage Board meeting to combine the Herman Beutler Ditch and Gosma Ditch. White County secretary is the Executive Secretary for the board and will furnish Tippecanoe County with a copy of the minutes. Minutes are in file.

July 2, 1986

HOFFMAN DITCH
CONSTRUCTION ESTIMATE SUMMARY

PHASE I, ALTERNATE I

TOTAL ESTIMATED CONSTRUCTION COST	\$ 260,116.00
ESTIMATED COST PER ACRE	\$ 104.00

PHASE I, ALTERNATE II

TOTAL ESTIMATED CONSTRUCTION COST	\$ 323,839.00
ESTIMATED COST PER ACRE	\$ 130.00

PHASE II

TOTAL ESTIMATED CONSTRUCTION COST	\$ 191,580.00
ESTIMATED COST PER ACRE	\$ 77.00

Bruce V. Johnson, absent

Lee W. Schuler

Eugene R. Moore

attest: *Therese D. Turner*
Executive Secretary

The Tippecanoe County Drainage board met Wednesday, August 6, 1986, at 8:30 A.M. in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, IN 47901

The meeting was called to order by Vice-Chairman Eugene R. Moore, others in attendance were: Sue W. Scholer, Board Member, Michael J. Spencer Surveyor, George Schulte Drainage Board Engineer, Fredrick Hoffman Attorney, and Maralyn D. Turner Executive Secretary, others in attendance are on file.

CHEKER COMMERCIAL SUBDIVISION

CHEKER
COMMERCIAL

Richard Boehning attorney and John Fisher engineer for the project representing Imerial Marketing which has an interest and successor to Cheker Oil Company and Carl Ritchie a motel developer from Indianapolis, Indiana. Mr. Ritchie is interested in purchasing one lot of the two lots of the Cheker Commercial Subdivision. Property is located near the Cheker Oil company on State Road 26 East near Howard Johnson, legal description is: A Part of the NW¼ of the NW¼ of Sec. 25 Township 23, Range 4, Fairfield Township, Tippecanoe County. Drainage Plans were submitted to the Drainage Board in 1982 at that time the plans were approved, the project was dropped, now is is being reinstated. The basin subdivision plan is exactly the same as it was in 1982 with the exception that based on the recommendation of the Technical Highway Committee and the Area Plan Commission the road way has been substantially modified and upgraded in order to meet all requirements, this would have an impact on the drainage. Updated calculations have been furnished, the old calculations based on the 1982 plans were outdated because of the change in plan. Mr. Boehning has discussed the project with Michael Spencer Surveyor and George Schulte Drainage Engineer, today he is asking for preliminary approval of the drainage plans, in order to get final approval Mr. Schulte has ask that the developer submit a final site plan showing the parking lot, the motel site, elevations etc. so the drainage engineer can make a judgement as to the final approval.

Sue W. Scholer moved to give preliminary approval for the drainage on Cheker Commercial Subdivision, seconded by Eugene R. Moore, motion carried.

SHEPHERDS
POINT
SUBDIVISION

SHEPHERDS POINT SUBDIVISION

Al Buckley developer for Sheperds Point Subdivision at County Farm Road and 500 North, legal description: A part of East ½ of Section 31, Township 24 North, Range 4 W., Wabash Township, Tippecanoe County consisting of 3.43 acres. Mr. Buckley is asking for Drainage Board approval prior to the submission of the final plat for four lots. Mr. Moore askif he had any houses at the site, the answer is no, there are two houses, but they are out side of this particular area with this site and the other two houses already in the areas will make 6 (six) building sites. Mr. Spencer ask if they were contemplating going further with more building? Answer, if they would go further they would have to go through a major subdivision. Mr. Hoffman ask where the water was going to go from these four houses, answer-goes down the side ditches at the present time. Mr. Hoffman ask, will it increase the flow in the side ditch? Mr. Buckley feels that it will reduce the flow as it will be grassed. At the present time it is just farm land, water runs off of it immediately. Mr. Spencer stated technically it probably does since it is hard surface, adverse effect Mr. Spencer wasn't sure. Mr. Hoffman ask, is it going to cause erosion in the side ditch? Answer-NO, as the ditches are sodded. Mr. Hoffman feels that if they come back at a later time this project wouldn't be able to be incorporated in drainage plans. Mr. Schulte ask if this is still being farmed, answer-YES. Mrs. Scholer ask about the corner, the corner is being filled as dirt is excavated out from the houses in the area. This is at the very corner of 500 N and 50 W, which is the low spot, the developer has put a new breather in this section. County Farm tile which is a legal drain is further east. Mr. Spencer stated the water from this area runs down to Burnett's Creek that runs through the County Farm. The area is drained by an open ditch. Mr. Spencer and Mr. Schulte have no problems in giving approval. Mr. Hoffman stated that if the board gives approval they will not be able to correct rectoactive when they decide to so something with the other lots. If there is any problems to the side ditches is a concern of Mr. Hoffman. Mr. Buckley stated that the water for the area will have to eventually drain to the side ditches in any event. Mrs. Scholer ask if Mr. Spencer and Mr. Schulte were comfortable with the drainage that is going north, answer-YES(correction) Mr. Spencer stated this is the natural flow.

Sue W. Scholer moved to give approval for Sheperds Point Subdivision drainage subject to Michael J. Spencer surveyor, inspecting and approving the drainage, seconded by Eugene R. Moore, motion carried.

CRACKER BARREL, OLD COUNTRY STORE, INC.

CRACKER
BARREL,
OLD
COUNTRY
STORE,
INC.

George Schulte representing H. Stewart Kline and Associates, Inc. presented drainage plans for the developer of Cracker Barrel, Old Country Store, Inc. location of property is East of I-65 on State Road 26 and Frontage Road, containing 1.7 acre. To analyse the storm drainage the plans were drawn to break into 3 basins, basin #3 is uncontrolled runoff which would run into side ditch along Frontage Road going down under a pipe, basin#2 would drain into an underground storage system basin#1 would drain into an underground storage system. The developer did not want to use the parking lot for storage and did not want to provide any detention storage above ground, therefore the only way to go with drainage would be underground. System is set up to storerunoff from a 100 year storm event, basin #1 has 2 underground pipes 66" diameter corrugated metal pipe perforated, water will drain through inlets into the pipe, then drain to a side ditch, same for basin#2 draining through a 30" corrugated pipe and eventually go to the Wildcat Creek, drains down through a gully to the creek. Mr. Moore ask if there was an underground storage there before? This is the first application that Mr. Schulte is aware of, basically it is the same theory as an open storage. Mr. Hoffman ask if there was some way to avoid the drainage through the side ditch? Mr. Schulte answered he doesn't know as it has been draining there at the present time. Ditches are quite deep in the area, reason for side ditches is to get surface drainage away. Drainage system will be maintained by Cracker Barrel. Man holes have been provided into underground system so they can get into to flush them out. Bottom of the pipe is lower than the outlet, reason for this is so the silt, sand etc. used for maintenance for the parking lot can be flushed out. Mr. Hoffman is concerned about side ditch, but Mr. Spencer stated the release rate complies with the ordinances. Mr. Schulte stated the peak runoff is being decreased into side ditch.

Sue W. Scholer moved to give final approval for the drainage plans for Cracker Barrel, Old Country Store Inc., seconded by Eugene R. Moore, motion carried.

ELLIOT
DITCH

ELLIOT DITCH

Mr. Hoffman ask what had been done toward getting notices out on the Elliot ditch. This broughtup much discussion. Maintenance Fund for the Elliot Ditch is in the red in the amounty of \$45,946.26, and again it was explained as in previous minutes that the Drainage Board has every thing ready for the Data Processing department, but since they have had a big turn over in programmers we were holding up on mailings. Eugene Moore stated that he had been approached by Chamber of Commerce in regards to the Elliot ditch, he and Mr. Spencer had presented all information we have, the tax rate per Industrial, Agriculture, Lots, Local Business, Residential, and General Business. This is a big project, there is 7,500 acres in the watershed area. Question could we borrow from General Drain or would there be a possibilty to go to the State to get a grant? Mr. Hoffman is to check into getting a grant or a Cumulative Fund for the project. It was pointed out that the top farmers(Landowners) are the ones hurt by the holding ponds. The Elliot ditch is not a legal drain west of Nineth Street. Mr. Hoffman stated it should be a legal drain clear to the Wea Creek, matter of courtesy the board should contact the Department of Natural Resources. Mr. Hoffman would like for the Elliot to get on next years taxes. Current tax rate brings in about \$55,000.00 in one year with minimum assessment according to zoning based on runoff.

HOFFMAN
DITCH

HOFFMAN DITCH

A hearing had been scheduled for the Hoffman ditch, but due to Carroll County not being able to advertise the legal ad, the hearing had to be postponed. A hearing is scheduled fro Wednesday, Spetember 10, 1986 at 9:00 A.M. Michael Spencer stated that our representative Bruce Osborn would be unable to attend because of illness,therefore he will talk with Bruce in regards to resigning and then another member will be appointed. Carroll and Clinton Counties have received letters of confirmation and instruction to put in their respective newspapers. This letter is on ifle.

MCCUTHEON
HEIGHTS
PART II

MCCUTHEON HEIGHTS PART II

Mr. John Fisher was not present. Michael Spencer surveyor stated that the board had construction plans for McCutheon Heights Part II, there were nine items presented to Mr. Fisher for requirementto meet ordinance standards, to this date they have not complied to the request. The nine items are:

1. Who is going to maintain the facility?
2. What is the flood elevation for Wea Creek as established by the flood insurance study?
3. Details for orfice plate and outfall structure from the detention basin.
4. Need professional seal on site grading plan and insection details and drainage study plan.
- 5.What datum was used to determine contour elevation?
6. Access to proposed detention basin for future maintenance?
7. Need to increase storage by 6% to comply with ordinance.
8. Should the energy dissipator have reinforcing steel?
9. Offsite Basin?

RIVER
BLUFFS
D

RIVER BLUFFS SUBDIVISION

Mr. Hoffman stated he opposed the boards decision of granting no detention basin. He ask for a copy of letter received from David M. Stevenson, he now has a copy. Mr. Hoffman wants to see letter for recording when received.

There being no further business to come before the board at this time, meeting adjourned at 10:00 A.M.

Bruce V. Osborn (Not Present)

Sue W. Schuler, Board Member

Eugene A. Moore, Board Member

ATTEST: *Maralyn D. Turner*
Maralyn D. Turner, Executive Secretary

Wednesday, September 3, 1986

The Tippecanoe County Drainage Board met Wednesday, September 3, 1986 at 8:30 A.M. in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, IN 47901.

The meeting was called to order by Vice-Chairman Eugene R. Moore with the following in attendance Sue W. Scholer Board member, Michael J. Spencer Surveyor, George Schulte Drainage Engineer, and Maralyn D. Turner Executive Secretary, others in attendance are on file.

CHEKER
COMMERCIAL
SUBDIVISION

CHEKER COMMERCIAL SUBDIVISION

Richard Boehning attorney, representing Checker Commercial Subdivision. Mr. John Fisher and Anatoli Boschenk-Architect, Inc. have been coordinating the efforts to do the final plans, consequently the plans were filed late. Mr. Boehning stated they were asking for final approval of the site plan. He stated that they would consent to continue the request in order to give Michael J. Spencer surveyor and George Schulte drainage engineer time to look the plans over and give good recommendation. Mr. Schulte has talked with the architect by phone, the information on the drawing does not comply with the ordinance of the drainage board, he suggested that they get a copy of the ordinance and follow the guide lines in the ordinance book. The information on the plans at the present time doesn't show any storage volume or any method of retaining their runoff and controlling peak rate of

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Drainage Board Meeting September 3, 1986 Continued Checker Commercial Subdivision

runoff. Mr. Boehning ask if the board was having any special meetings, the board stated a board meeting would be held Wednesday, September 10, 1986 for the Hoffman ditch, the board agreed to hear their request if they get all plans to the surveyor by Friday, September 5, 1986 and would schedule them on the agenda for 9:30 A.M. September 10, 1986.

MCCUTHEON HEIGHTS SUBDIVISION PART 2 SECTION I

McCutheon
Heights

John Fisher engineer, for the developer Prairie Oaks. Eugene R. Moore ask if this was the subdivision that they wanted the holding pond under the hill, answer yes. Mr. Fisher was asking for final approval of the current phase. After much discussion, question was ask who was going to maintain? Michael stated that petition should be brought in for making a legal drain, now is the time to follow through with petition. At the August 6, 1986 drainage board meeting Mr. Fisher was not present but recommendations were made for Mr. Fisher in order to get approval the requirements were to be met. Michael stated a cross section is needed, a dedicated easement is needed to make sure of an outlet. Mr. Fisher took

all drawings back. Sewer goes all the way to Mayflower Mill School. Michael stated that if the plans show a dedicated easement for the detention pond outlet that the water will run in it. George stated that an emergency overflow should be shown across the outlet pipe, so as the water rises it can get out to the channel. One mat through slab, through the dissipator (vertical) should be made 1' wide and have 2 rows of steel, 2" from each face, both horizontal and vertical in order to tie together like a mat, light gadge mesh would be OK 10x10 or 6x10. Michael Spencer and George Schulte suggested that when developer petitions for legal drain they should take in the whole area. Anybody who drains into the system should be assessed for legal drain. Existing owners owns the the majority of the property, so now is the time to petition for legal drain. Sue W. Scholer moved to give approval to McCutheon Heights Subdivision Part II Section I drainage plans subject to making correction on drawings and getting petition for legal drain in and easements drawn up in such a way they can be recorded this all should be on the final plat, seconded by Eugene R. Moore, motion carried.

HOFFMAN DITCH

HOFFMAN
DITCH

A letter was read from Bruce V. Osborn dated August 22, 1986 resigning as member to the Tri-County Drainage Board for the John Hoffman Ditch. Sue W. Scholer moved to appoint Eugene R. Moore to the Tri-County Drainage Board for the Hoffman Ditch, Unanimously approved. Meeting will be held September 10, 1986 to hear the estimated cost of the Hoffman Ditch for reconstruction.

There Being no further business the meeting adhoured at 9:10 A.M.

NOT PRESENT

Sue W. Scholer
Boardmember

Eugene R. Moore
Boardmember

ATTEST: *Maralyn D. Turner*
Maralyn D. Turner, Executive Secretary

TIPPECANOE COUNTY DRAINAGE BOARD
WEDNESDAY, JANUARY 6, 1988

The Tippecanoe County Drainage Board met Wednesday, January 6, 1988 in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana 47901.

Chairman Bruce Osborn called the meeting to order at 8:30 A.M. with the following being present: Eugene R. Moore and Sue W. Scholer Boardmembers, Michael J. Spencer Surveyor, Mark Houck Drainage Consultant, J. Frederick Hoffman Drainage Attorney, and Maralyn D. Turner Executive Secretary. Others present are on file.

This being the first meeting of the year Chairman Osborn ask Mr. Hoffman to preside over the meeting to conduct the election of officers.

Mr. Hoffman asked for nominations for Chairman, Sue W. Scholer nominated Bruce V. Osborn Chairman, seconded by Eugene R. Moore, there being no other nominations Mr. Osborn was elected Chairman of the Board.

Mr. Hoffman asked for nominations for Vice-Chairman, Sue W. Scholer nominated Eugene R. Moore, seconded by Bruce V. Osborn, there being no further nominations Eugene R. Moore was elected Vice-Chairman of the Board.

Sue W. Scholer moved to appoint J. Frederick Hoffman Drainage Board Attorney, seconded by Eugene R. Moore, unanimous approval.

The Board had agreed to have Mark Houck as Drainage Board Consultant.

Sue W. Scholer moved to appoint Maralyn D. Turner as the Executive Secretary of the Drainage Board, seconded by Eugene R. Moore, unanimous approval.

Mr. Hoffman read the Active Ditches for the year of 1988.
E.W. Andrews, Julius Berlovitz, Herman Beutler, Michael Binder, John Blickenstaff, M.W. Box, A. P. Brown, Buck Creek (Carroll County) Train Coe, County Farm, Darby Wetherhill (Benton County), Christ Fassnacht, Marion Dunkin, Christ Fassnacht, Issac Gowen (White County) Martin Gray, Thomas Haywood, E.F. Haywood, Harrison Meadows, Lewis Jakes, Jenkins, James Kellerman, Frank Kirkpatrick, John A. Kuhns, Mary McKinney, Wesley Mahin, Samuel Marsh (Montgomery County) F.E. Morin, Hester Motsinger, Audley Oshier, Emmett Raymon (White County) a letter of January 5, 1988 is on file from White County requesting ditch be active, Arthur Rickerd, Abe Smith, Gustavel Swanson, Treece Meadows, Wilson-Nixon (Fountain County) Simeon Yeager, S.W. Elliott, Dismal Creek, and Shawnee Creek.

Ditches which have been inactive and need to be made active are Jesse Anderson, Dempsey Baker, Floyd Coe, Shawnee Creek.

Inactive ditches John Amstutz, Delphine Anson, Newell Baker, Nellie Ball, A.P. Brown, Alfred Burkhalter, Orrin Byers, Grant Cole, J.A. Crips, Chas Daughtery, Fannie Devault, Jess Dickens, Thomas Ellis, Martin V. Erwin, Elijah Fugate, Rebecca Grimes, Fred Hafner, E.F. Haywood, George Ilgenfritz, George Inskeep, Eugene Johnson, F.S. Kerschner, Amanda Kirkpatrick, James Kirkpatrick, Calvin Lesley, John McCoy, John McFarland, Absalm Miller, Ann Montgomery, J. Kelly O'Neal, Lane Parker, James Parlon, Calvin Peters, Franklin Resor, Peter Rettereth, Alexander Ross, James Sheperdson, John Saltzman, Ray Skinner, Joseph C. Starrett, Wm A. Stewart, Alonzo Taylor, Jacob Taylor, John Toohay, John VanNatta, Harrison Wallace, Sussana Walters, William Walters, McDill Waples, J&J Wilson, Franklin Yoe.

Luther Lucas ditch is made inactive and to be combined into the Dismal Creek ditch.

Mr. Osborn asked if first and second alternates could be appointed to be representatives for Tri-County ditches? Mr. Hoffman advised the board to go ahead and appoint them, if this isn't proper action can be taken later. The following representative and alternates were appointed for the following ditches.

Hoffman ditch, Eugene R. Moore, Sue W. Scholer was appointed first alternate and Bruce V. Osborn second alternate.

McLaughlin ditch, Bruce Osborn, Eugene R. Moore first alternate, and second alternate Sue W. Scholer.

Michael stated he had received a letter from Benton County in regards to the Darby Wetherhill ditch and he asked the board to appoint a representative and alternates for this ditch.
Sue W. Scholer is representative, first alternate Eugene R. Moore, second alternate Bruce V. Osborn.

Otterbein Ditch representative will be Sue W. Scholer, first alternate Eugene R. Moore, second alternate Bruce V. Osborn.

Michael asked that the Secretary send letters to each county informing them of the appointments.

Michael Spencer presented a Petition received from Purdue Research Foundation to vacate a portion of the Dempsey Baker Ditch lying south of the north right-of way line of County Road 350 North and lying in the east half of the southeast quarter, Section 1, Township 23 North, Rge 5 West, and the North 50 acres more or less of the West half of

January 6, 1988 Drainage Board Meeting Continued

the south west quarter, Section 6, Township 23 North, Range 4 West, all in Wabash Township, Tippecanoe County, Indiana.

Michael stated a hearing date would have to be set when assessment list is received.

Bruce Osborn asked where they were going with the water? Michael stated he felt it was through holding ponds then metered out to the same place it has always gone, Hadley Lake.

Bruce Osborn stated the board has never vacated a portion where it still drains through the existing legal drain. Mr. Hoffman answered no, if they are going to use the drain they can't vacate, if they are not going to use it then it can be vacated. Mr. Hoffman stated there would be a question of taking them out of the Watershed in regards to assessments. They will still have to pay their assessment as they are remaining in the watershed, the Purdue Research should be notified of this. If this is for the upper end this will help. Mark Houck stated there is a problem of metering at the same rate, but it will increase the volume of water going to Hadley Lake. They will have to meet the ordinance.

Many questions need to be answered before action is taken.

VALLEY FORGE

Valley Forge

Michael J. Spencer informed the board that a letter of Credit for \$62,000.00 to cover half the cost of installation of the permanent drainage system, this was through Tippecanoe Development Corporation. Roy Prock is new owner of Valley Forge he wants to substitute a new \$62,000.00 letter of credit for the other one since he is the new owner. Michael has talked with Mr. Hoffman there will be no problem to do this, accept the construction bond needs to be secured for deposit for Mr. Prock just like originally had been presented by Tippecanoe Development Corporation before the old one can be released and except new one from Mr. Prock. Mr. Hoffman stated they will have to present an agreement along with the Letter of Credit then the other can be released.

MEETING TIME CHANGE

Eugene Moore moved to change meeting time of the Drainage Board from 8:30 A.M. to 9:00 A.M., seconded by Sue W. Scholer, motion carried.

JOHN HOFFMAN DITCH

JOHN HOFFMAN DITCH

Bruce Osborn called the meeting to order at 9:15 A.M.

Tri-County Board representatives are Eugene R. Moore Tippecanoe County, William Lucas Clinton County, and Charles Sutton Carroll County.

Mr. Hoffman conducted election of officers.

William Lucas nominated Eugene R. Moore as Chairman, seconded by Charles Sutton, there being no other nominations Eugene Moore was elected Chairman.

Eugene R. Moore nominated William Lucas as Vice-Chairman, seconded by Charles Sutton, there being no other nominations William Lucas was elected Vice-Chairman.

Eugene R. Moore nominated Maralyn D. Turner as Secretary, seconded by Charles Sutton, there being no other nominations Maralyn D. Turner was elected Secretary.

Mr. Hoffman was chosen to serve as the Attorney for the board when the board was first formed, he will continue to serve.

Mr. Osborn thanked the property owners for coming to this informal meeting. He informed them that nothing would be decided officially, it is an opportunity for the property owner to see what has happened up to this time.

After Michael J. Spencer presents the project questions may be asked.

Michael J. Spencer, surveyor introduced those present Maralyn D. Turner, Secretary, J. Frederick Hoffman Attorney, Sue W. Scholer, Bruce V. Osborn, and Eugene R. Moore Tippecanoe County Commissioners, William Lucas Clinton County Commissioner and Neal Conner Clinton County Surveyor, Grover West Carroll County Surveyor, and Charles Sutton Carroll County Commissioners, and Mark Houck Tippecanoe County Drainage Consultant.

Mr. Spencer presented Construction Estimates in Phases I, Alternate I, Alternate II, Alternate III, and Alternate IV, and Phase II. This estimate was done by Robert Gross engineer with Stewart Kline and Associates.

Mr. Spencer asked for questions.

Bob Power asked if there was tile in there at the present time? Answer yes, Phase I the tile would come out. Alternate I would be to dig the tile out approximately 6" below the existing tile, under Alternate II lowering it 4'. This is to gain grade. The area being discussed on the ditch is at 900 E.

Lola Harner asked how are you digging 4' and stopping at 900 East wouldn't you have to continue on west? Michael answered they would have to continue west of 900 East, this wouldn't be to far west as the ravine system drops off.

Mr. Power asked if a bridge would have to be put across 900 East? Michael stated they

felt the culvert was the right size and would carry the water, it is just too high.

Mr. Power asked if a tile could be put in without tearing up the road? Michael stated he did not think this could be done without tearing up the road.

Mr. Moore asked how many acres in the watershed? Total acres 2420. There may be a difference of 80 acres, this would be checked.

Mr. Power asked how much is coming out of maintenance fund? There is no maintenance fund on the ditch at this time, if a tile hole breaks it is up to the landowner to do the repairs.

Jesse Barr asked would the soil change? Answer the dirt will not be changed, just better drainage. Mr. Barr asked if the ditch was going to be the same size at 1025 East. Answer at the road 1025 108" round pipe, two 72" round pipe, two 84" and at 900 East 14'10" X 9'1" structural plate pipe arch.

Neal Dexter asked how much water will come down into Coffee Run ditch. Michael stated the same amount of water would be coming down. Mrs. Harner and Mr. Dexter were concerned about the erosion and damage.

Mr. Hoffman asked if there was a positive outlet. Answer it goes into a ravine system that eventually gets to the Wildcat creek. Mr. Hoffman asked how far from the end of the legal drain to the Wildcat. Answer give or take one and half to two miles.

LaVonne Scheffee had concern of gravel and the culvert being closed shut. Michael stated this is the reason he has pointed out the culvert sizes at the different road crossings.

Elwood Burkle asked that the cost be discussed. Mr. Spencer pointed out that the last page of the estimate summarizes the cost.

Mr. Spencer explained the Indiana Drainage Codes to the landowners. The decision is made by the property owners.

Mr. Barr asked who is responsible for drainage on property? County is responsible for the road crossings, property owners is responsible for drainage on their own property.

Elwood Burkle asked what depth would tile be? Answer some of the cuts would be 10-11 feet deep from the existing ground. Banks would be a lot higher than they are now. Michael stated at 900 East 1/4 mile east it is 5 feet below the bottom of the existing water way.

Mr. Hoffman stated the property owners should consider extending the legal drain down to the Wildcat to maintain the valleys, as there is problems if you don't have a positive outlet especially one with this size. There is no control over the valleys as it is now. He felt this would not add that much to the cost.

Jerry Frey stated he is constantly fixing blow holes. It is getting continuously worse. They are finding that the tiles are shifting. He feels the major problem is at the outlet. It has been severely neglected. There are tree roots and tiles that have floated up out of the system. He feels the first thing to do would be fixing and opening up the outlet.

Mr. Power asked in the estimate has consideration been taken in the area west of 900 East? No. Mr. Power felt this would be essential. Michael answered until a legal drain is extended down that way they can't do anything with it, they can do some corrective measures directly downstream from the road. He has to work with the starting and stopping points of the ditch, this is what he had to work with.

At this point Mr. Hoffman explained the procedures of making legal drain west of 900 East.

Malcomb Miller stated he agrees with Jerry Frey's statement. Mr. Miller's concern is the hardship the assessments would make for the property owners.

Jerry Frey stated they can't seem to hold the blow holes, each spring they are back and bigger holes. Mr. Frey doesn't know what causes this except another ditch was added about four years ago this makes more pressure from the upland it's coming down in such a velocity causing the problem.

Debbie Lineback asked what kind of time frame are you talking about as she carried petition in 1982. Mr. Hoffman stated it probably wouldn't take the time that he did previously.

Mr. Moore asked the feeling of the property owner.

LaVonne Scheffee asked if there was any rules in regards to health and sanitation? Thirty years ago when they purchased their property you couldn't jump over the ditch, now there is refrigerators and other debris making the ditch level. She doesn't understand why the farmer doesn't have to keep it cleaned out. She complained about the road grader grading gravel making a wall at the ditch.

Mr. Osborn stated the board is powerless in regards to debris in the ditches until there is a maintenance fund set up. Maintenance fund is needed.

January 6, 1988 Drainage Board Meeting Continued

Jerry Frey asked who has authority? Mr. Hoffman explained the board is the authority.

Mr. Frey is for starting a legal drain with a maintenance fund, but he feels that the money should be brought forward to be spent on opening up the outlet and fixing the main tile. Try to get by with what they have with maintenance.

Malcomb Miller supports Mr. Frey's statement.

Mr. Moore asked Michael if a maintenance fund could be set up and just clean or does it come under reconstruction?

Michael stated they would be maintaining what there is now.

Mrs. Scheffee asked how this would help? Mr. Hoffman stated it would be taking the ditch back to it's original condition.

Mr. Lucas asked if there was an estimate for a maintenance clean out? NO. Michael felt it would just take a week to get an estimate put together. Mr. Lucas stated it would probably take two years to get a maintenance fund set up. Michael stated for a few years the fund could be set at a high figure and then lowered.

Debbie Lineback stated when she carried the petition around and 80-90% of the property owners stated it should be an open ditch, it never worked from day one.

Elwood Burkle stated that those living north and east of the Clinton and Carroll County line would receive no benefits by opening the bottom portion yet they would be paying for it. There are too many obstruction.

Dale Fossnock stated: His ancestors stated that when the ditch was put in, it never worked.

Glen Kelly stated there were six of them that worked on the ditch where the tile comes out. This was 30 years ago.

Mrs. Glen Kelly stated it cost her \$100.00 to get a petition in 1982 out of her pocket. She was informed that there is a standard petition form now and there would be no cost for the petition. Mrs. Kelly stated they have willows and to get rid of them the water has to be taken care of.

Glen Kelly stated there are two 6" raises in the ditch, one is on the Bogan property and the woods.

Question was asked was it constructed that way? Yes. When the ditch was built it was built by the people.

Michael stated the grade can be checked.

Mr. Barr would agree to keep the water going.

Mr. Scheffee stated when they first came to the area there were no problems he feels it has to be open all the way.

Mrs. Kelly stated they have two ponds on their property, water is over the road most of the time, getting out is a problem most of the time. Even when it was dry this summer it was wet.

Mrs. Harner stated this has been a problem for many years.

Mrs. Scheffee stated a lot of the problem was created when 900 East was reconstructed.

Grover West asked how many small acreages were in the watershed. His concern is the break down in lots and acreage.

Mrs. Harner stated the assessment doesn't seem fair.

Kenneth Walker stated there is peat in the area of the Ford property, reason for so much water in the area.

Neal Conner stated that it would be spring of 1989 to get a maintenance fund in to affect.

After much discussion Mr. Spencer asked for show of hands.

Phase I Alternate I, Phase II Dig Open ditch up to where the two branches come together and tile system. Approximate Cost \$200.00 acre. Vote 7.

Open Ditch all the way. Approximate Cost \$242.00 per acre. Vote 8.

Maintenance. Assessment per acre to be set possible classifications. Vote 5.

The vote going for an open ditch all the way Mr. Spencer will get estimates and hold another meeting to present findings to the property owners.

There being no further business the meeting adjourned at 10:30 A.M.

Bruce V. Osborn

Bruce V. Osborn, Chairman

Sue W. Scholer

Sue W. Scholer, Boardmember

Eugene R. Moore

Eugene R. Moore, Boardmember

ATTEST:

Maralyn D. Turner

Maralyn D. Turner
Executive Secretary

TIPPECANOE COUNTY DRAINAGE BOARD
WEDNESDAY, JANUARY 4, 1989

The Tippecanoe County Drainage Board met in regular session Wednesday, January 4, 1989 at 9:00 A.M. in the Community Meeting room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana.

The meeting was called to order by J. Frederick Hoffman, County Attorney for the reorganization of the Drainage Board for 1989. Those present were: Bruce V. Osborn, Eugene R. Moore, Sue W. Scholer, Michael J. Spencer, J. Frederick Hoffman, and Maralyn D. Turner, others in attendance are on file.

Mr. Hoffman asked for nominations for Chairman of the Board. Bruce V. Osborn nominated Eugene R. Moore as Chairman seconded by Sue W. Scholer, there being no further nominations Eugene was elected Chairman of the Board.

Mr. Hoffman asked the newly elected Chairman Eugene R. Moore to preside over the meeting.

Eugene Moore asked for nominations for Vice-Chairman, Bruce V. Osborn nominated Sue W. Scholer for Vice-Chairman, seconded by Eugene R. Moore, there being no further nominations Sue W. Scholer was elected Vice-Chairman.

Eugene R. Moore asked for nominations for Secretary, Bruce V. Osborn nominated Maralyn D. Turner as Secretary, seconded by Eugene R. Moore, no further nominations from the floor for secretary Maralyn D. Turner was elected.

Bruce V. Osborn moved to appoint J. Frederick Hoffman as Drainage Attorney for the year 1989, seconded by Sue W. Scholer, unanimous approval.

Mr. Hoffman read the Ditch Assessments for Active and Inactive ditches. The following ditches being Inactive for 1989 are: John Amstutz, Jesse Anderson, Dempsey Baker Newell Baker, Nellie Ball, A.P. Brown, Orrin Byers, Floyd Coe, Grant Cole, J.A. Cripe, Fannie DeVault, Jess Dickens, Martin V. Erwin, Elijah Fugate, Rebecca Grimes, Geo Ilgenfritz,

George Inskeep, Lewis Jakes, E.Eugene Johnson, F.S. Kerschner, Amanda Kirkpatrick, John A. Kuhns, Calvin Lesley, Luther Lucas, John McCoy, John McFarland, Absalm Miller, Ann Montgomery, J. Kelly O'Neal, Lane Parker, James Parlon, Calvin Peters, Franklin Resor, Peter Rettereth, Alexander Ross, James Sheperdson, John Saltzman, Ray Skinner, Joseph C. Sterrett, Wm. A. Stewart, Alonzo Taylor, Jacob Taylor, John Toohey, John VanNatta, Harrison Wallace, Sussana Walters, McDill Waples, Lena Wilder, J&J Wilson, Franklin Yoe.

The following ditches read are Active Ditches: E.W. Andrews, Delphine Anson, Juluis Berlovitz, Herman Beutler, Michael Binder, John Blickenstaff, N.W. Box, Buck Creek(Carroll County), Train Coe, County Farm, Darby Wetherill(Benton County), Marion Dunkin, Crist/Fassnacht, Issac Gowen(White County), Martin Gray, E. F. Haywood, Thomas Haywood, Harrison Meadows, Jenkins, James Kellerman, Frank Kirkpatrick, Mary McKinney, Wesley Mahin, Samuel Marsh(Montgomery County), Hester Motsinger, Aduley Oshier, Emmett Raymon(White County), Arthur Richerd, Abe Smith, Mary Southworth, Gustavel Swanson, Treece meadows, Wilson-Nixon(Fountain County), Simeon Yeager, S.W. Elliott, Dismal Creek, Shawnee Creek.

The following ditches read were made Active for 1989: Alfred Burkhalter(Clinton County), Charles Daugherty, Thomas Ellis, Fred Hafner, James Kirkpatrick, F. E. Morin, William Walters, and Kirkpatrick One. Michael Spencer wanted the Martin Gray to be included in the Active, it had been read as active, but for the records read in the Make Active. Sue W. Scholer moved to activate the ditches as read, seconded by Bruce V. Osborn, unanimous approval.

Alfred Burkhalter ditch joint with our County the Board secretary should send a letter to the Tippecanoe County Auditor and the Clinton County Auditor.

Michael stated in June 1987 a hearing was held to combine the Treece Meadows branch with S. W. Elliott ditch. These maintenance funds need to be combined and treated as the S.W. Elliott ditch. Sue W. Scholer moved to combine the maintenance funds on the Treece Meadows with the S. W. Elliott ditch treat them all as one, seconded by Bruce V. Osborn, unanimous approval.

J. Frederick Hoffman asked if the Treece Meadows was considered designated branch under the S. W. Elliott ditch? Michael answered it is; Treece Meadows has a beginning point and ending point.

Michael Spencer received a letter signed by two property owners, Malcomb Miller and Jerry Frey on the John Hoffman requesting that the board set up a maintenance fund. A hearing was held in 1988 for reconstruction, this did not go too well. Some were going to try to contact the downstream property owners to make it a legal drain all the way down to Coffee Run. Hearing nothing these property owners are requesting a maintenance fund.

Mr. Hoffman stated this is the ditch that does not have a positive outlet. Correct. They hope to make a positive outlet with the maintenance funds.

Michael will have to make a maintenance report before a hearing can be held. Discussion continued.

Jim Strother property owner 3876 Kensington Drive concerned about drainage of the Orchard Park Subdivision. Michael told Mr. Strother he had received Preliminary submittal that was requested from the engineer to supply with more information, but that

HOFFMAN
DITCH

information has not been received. Michael will notify Mr. Strother when he receives the information and when the project comes before the board.

Sue W. Scholer asked Don Sooby, of the Lafayette City Engineer office where are we on McCarty Lane, is it progressing. Mr. Sooby stated a public hearing will be held January 26, 1989, no other meeting has been set up.

There being no further business the meeting adjourned at 9:25 A.M. Next meeting will be February 1, 1989.

Eugene R. Moore

Eugene R. Moore, Chairman

Bruce V. Osborn

Bruce V. Osborn, Board Member

Sue W. Scholer

ATTEST: *Maralyn D. Turner*
Maralyn D. Turner, Executive Secretary

TIPPECANOE COUNTY DRAINAGE BOARD
 WEDNESDAY, FEBRUARY 7, 1990
 REGULAR MEETING

The Tippecanoe County Drainage Board met in the Community room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana.

Sue W. Scholer, Chairman called the meeting to order at 9:00 A.M. with the following being present. Bruce V. Osborn, Board member; Michael J. Spencer, Surveyor; Todd Frauhiger, Drainage Consultant; David Luhman, Acting Drainage Attorney; and Maralyn D. Turner Executive Secretary, others present are on file.

BROOKVIEW AND COUNTRY CHARM Section 8 SUBDIVISION

BROOKVIEW
 COUNTRY
 CHARM SECS

Dale Koon, P. E.. President of Civil Engineering Service, Inc representing Brookview and Country Charm Section 8 subdivisions requested final approval of drainage plans presented.

Michael J. Spencer stated that the Brookview Subdivision plans presented were in order, he recommended that proper erosion control techniques be incorporated during construction, and letter from P.S.I. approving construction easement. That the petition for the subdivision to be made a regulated drain for future maintenance.

Bruce V. Osborn moved to give final Drainage approval for Brookview Subdivision as submitted subject to including proper erosion control techniques during construction, and letter from P.S.I. approving construction in the easement, that the petition for the Subdivision be made a regulated drain for future maintenance, and final Drainage approval for Country Charm Section 8 as submitted subject to including proper erosion control techniques during construction, seconded by Sue W. Scholer, unanimous approval.

WATKINS GLEN SOUTH PART 3

WATKINS
 GLEN
 SOUTH PT3

Robert Gross R.L.S. representing Watkins Glen South Part 3 presented plans and asked for final drainage approval. There are 11 lots in this phase, but they want to build a detention pond that will provide storage for more lots and future development. Plans are on file. Discussion of presentation continued.

Sue W. Scholer asked if this was a part of a legal drain system. Answer - NO.

Michael Spencer stated there is one question, what kind of maintenance are they going to have are they going to include the whole subdivision or just this section. Discussion.

Michael recommended that proper erosion control techniques be incorporated during construction also address maintenance. Discussion of maintenance and legal drain issue continued.

Bruce asked where the outlet was. Michael answered the ultimate outlet is along the railroad tracks.

Bruce V. Osborn moved to give final drainage approval to Watkin Glens Subdivision subject to erosion control and clearance through the attorney of wording for maintenance and addressing the legal drain, seconded by Sue W. Scholer, unanimous approval.

WAL-MART

WAL-MART

David Luhman, Acting Attorney read letter from Horne Properties, Inc. the letter reads.

February 6, 1990

Commissioner Sue Scholer
 President
 Tippecanoe County Drainage Board
 20 North Third Street
 Lafayette, Indiana 47901

Dear Commissioner Scholer:

This letter will serve as the commitment from Wal-mart Stores, Inc. to modify surface drainage in the Wilson Ditch watershed through the construction of a by-pass ditch around Treece Meadows subdivision and replacement of a 24" downstream storm sewer through the installation of additional ditching.

Mike Spencer and your consulting engineers have indicated that approximately 2600 linear feet of open channel (of 10' bottom width and 3:1 side slopes) would be required. Wal-mart has authorized me to commit to this work in order to be allowed to proceed with their plans for development of the Korty tract.

There are several details concerning the project that should be resolved over the next several days. I greatly appreciate your, Commissioner Osborn, Commissioner Moore, and Mike Spencer's efforts in our behalf to expedite resolution of our scheduling problem. It is my understanding that this letter along with our executed Drainage Agreement will allow you to approve our drainage plan on February 7, enabling us to proceed with the next phase of our development.

We look forward to a spring ground breaking and will keep you appraised of our schedule. Thanks again for your efforts in our behalf.

Sincerely,
George R. Davidson, Jr.
Vice President
GRD/ad

Attached to the letter is a Drainage Agreement which has been reviewed and is submitted to the board for approval and has been signed by Patrick E. Peery, Assistant Secretary on behalf of Wal-Mart Properties, Inc and Curtis H. Barlow Vice President of Real Estate.

Sue asked if the drainage agreement referred to maintenance on the drainage facilities in the drainage plan.

George Davidson, Jr. Vice President of Horne Properties, Inc. stated that since last meeting he had met with other property owners within the water shed from whom they would have to arrange some easement agreement, with the help of Michael Spencer meetings have been held with these property owners, some plans have been worked out verbally in arrangements to obtain easements for construction of the ditch, this is for off site. The drainage easements that have been presented and executed by Curtis Barlow in behalf of Wal-Mart Stores refers to maintenance of on site facilities. The commitment letter is the letter the Board requested from Horne Properties, Inc. reviewed the proposed modifications to the drainage scheme in the Wilson Branch watershed with Wal-Mart's people. They have authorized Mr. Davidson to commit them to do the work that has been discussed. Mr. Davidson has reconfirmed with Michael Spencer since the last meeting that the drainage plan for site water is in compliance with the Drainage Ordinance. With the information in front of the Board Mr. Davidson requested approval of Wal-mart Drainage Plan so they may proceed with their project.

Bruce Osborn asked who the easements went to? Mr. Davidson's answer was that it was his understanding that the easements would be granted to the County. The facilities that would be built would be County, public facilities that would allow any adjacent land owner to discharge into them subject to County Drainage Board. Sue stated that in other words it would become a part of the legal drain system. Mr. Davidson stated this was the desire of the land owners.

David Luhman stated there were 5 main points that needed to be addressed they are:

1. Wal-Mart would put in temporary open ditch as per Mike's plan. This will be approximately 2600'. The width of the easement will be 80'.
2. Wal-Mart construct ditch pursuant to plans approved by the County Surveyor Michael Spencer.
3. Wal-Mart will petition for it to be a legal drain.
4. Gipe, Long, Moore, Telephone company and the other affected landowners will have to give the right-of-way easement for this drain, and each of them when they grant this easement will consent in writing for it to be a legal drain.
5. Wal-Mart can move dirt and put in the foundation for the building, but no occupancy permit be issued until ditch is installed and no paving done until 100 year flood retention pond is completed.

Mr. Davidson stated they would request relative to the 5th item. There is quite a difference in timing schedule in putting pavement in and request for occupancy permit. They asked that the 5th item be modified to allow them go forward with pavement subject to weather, they will have the ditch in before they request occupancy permit.

Bruce V. Osborn asked who was going to secure the petition for a legal drain? Mr. Davidson suggested that he continue to work with Michael Spencer in regards to getting the petition signed.

Michael stated he thought the intent of the adjacent land owners was that it become a legal drain so that maintenance is assured. There is enough land for a petition for a legal drain. Wal-Mart will petition for a legal drain.

The Board asked if there were any questions from any of the landowners present.

Richard Moore asked if that included the pond for retaining water? Also, Mr. Moore had concerns in regards to the under the road, this would include opening up under Creasey Lane, the junction box, branch tile. Mr. Moore is not interested in going ahead unless that is cleared up as well. This is something the County will have to address, but to answer Mr. Moore's question the answer is yes.

Paul Coutts stated that it is critical that the pond be the very first thing done. This is the intent.

Mr. Davidson stated that the proposal submitted is not going to completely eliminate the flooding in the Subdivision, but hopefully it will give to by pass to take some of the water around the Subdivision at least that is the intent.

Sue stated that hopefully it is not further impacted in a negative fashion in the Subdivision.

Tom McCully, attorney for Wm. H. Long stated there was one comment he wanted to make sure of that the 5 items read be made a condition to the approval given today. Another concern is the timing of Construction of the ditch and timing of the Development as Treece Meadows is going to be at risk when the sides are scraped and water starts to run off in an unconstructed manner. Paving may not make that much difference from just scraped dirt. The people in Treece Meadows need to be assured that the ditch is going to proceed in an orderly fashion so that is not going to be a period of time during the development process when the Subdivision is at risk. It seems to Mr. McCully that when

Regular Drainage Board meeting February 7, 1990 -Wal-Mart Continued

they have the equipment out there for their development that would be the time they would want to be out there working on the ditch too to avoid having to have equipment back later. There are some obstacles in getting the ditch dug. Gas mains that have to be relocated etc. These may have to be modified in order to accomplish all these items. Again he stressed they don't want to put Treece Meadows at High Risk from the time development starts and until the ditch is functioning.

Michael stated all he could say today is that it is the intent to get the project started and that it will be a simultaneous construction and the pond be put in first.

Sue stated that Don Sooby City Engineer and the City of Lafayette need to be included. Permits restriction would actually be implemented by the City.

Mr. Davidson stated they will work closely with Mr. Sooby's office as well as with Michael's office. Mr. Sooby stated that the City is comfortable.

Norman Childress of N.W.I.D.C.-L.U.#215 had concern with item #5 as read. He felt it would put the houses in Treece Meadows in a position of the 100 year storm run off being under water. He asked if it was the intent of the Drainage Board to grant that variance as a part of partial of the Drainage permit?

Michael stated again that the pond is going to be one of the first things installed in the grading operations. With their commitment to go ahead and strive to accomplish the downstream improvements at the same time that their dirt equipment is there. He feels they are giving a full out effort to have every thing accomplished.

Mr. Davidson stated they need to know what they are working toward. There will be a retention basin built as one of the first construction items, it will retain up to the 100 year storm. It is a very sly probability that we will get that storm, but they will be able to retain the 100 year storm. Discussion continued.

Bruce asked Mr. Childress if he had his question answered? Mr. Childress stated he had miss understood what Mr. Davidson was asking for. Mr. Childress thought he was asking not to complete the ditch until after the paving process. Discussion continued.

Sam Copeland N.W. I.D.C. L.U.#215 stated that this also brought a point to his mind there was reference to an occupancy permit being issued. Will the drain be completed before an occupancy permit is issued?

Sue stated the request they made was only a waiver on the paving, a part of the process, that they not have a problem with the occupancy permit.

Don Sooby stated the discussion here was that Mr. Davidson's concern was not to be restricted to allow paving, it was not his intent to wait till after paving is completed to do the ditch work, but Mr. Davidson does not want that constrained. The City will not issue a occupancy permit until the drain is in and functioning.

Mr. Davidson stated the last phase of the ditch construction will be seeding and mulching. He hedges on the final completion of the ditch as they don't want to do the seeding and mulching until the fall (September). The grading will be done in April and May. Discussion.

Sue asked Mr. Davidson if he would be agreeable to changing the last condition to say that they would not be doing paving until the pond was installed, no occupancy until the ditch is completed. Mr. Davidson agreed.

Sue asked with these 5 conditions, the letter of agreement on maintenance, and the letter of commitment on construction if there was any of the landowners not comfortable with the proposal?

Bruce asked David if the Board had to have something stating that it would be Wal-Mart's responsibility to start the proceedings for a legal drain? David stated that was one of the conditions. This is Item #3. David stated it is not in the letter, it would be one of the conditions with approval subject to.

Bruce V. Osborn moved to give approval to Wal-Mart as submitted to the memorandum of understanding relative to temporary drainage with the conditions, seconded by Sue W. Scholer, unanimous approval.

Mr. Davidson will get the original agreement to the Board.

Sue asked Mr. Luhman to formally type up the conditions to attach to the agreement.

THEATRE ACRES

THEATRE
ACRES

Don Sooby City Engineer stated he had sent a letter to the Drainage Board in regards to an adopted Ordinance No. 88-39 which deals with shade trees it reads as follows:

February 2, 1990

Tippecanoe County Drainage Board
20 North Third Street
Lafayette, Indiana 47901

Dear Drainage Board:

Early in 1989 the Lafayette City Council adopted Ordinance No. 88-39 which deals with shade trees in the City. This Ordinance, among other things, requires developers to plant trees in and around new parking lots to offset the negative effects produced by large expanses of paving.

Theatre Acres Subdivision is a new commercial subdivision on S.R. 26 just east of the main post office. The lots on the west side of this subdivision contain the relocated and reconstructed 12" PVC Coleman tile in it. This easement, for the most part, is being utilized for parking areas as developments occur on the lots. In order for the

February 7, 1990 Drainage Board Meeting Continued--Theatre Acres--John Hoffman Ditch Orchard Park

developers to comply with the requirements of the City's shade tree ordinance it appears desirable to plant some trees within this 40 ft. Coleman Ditch easement.

Request is hereby respectfully made for the Drainage Board to allow the planting of shade trees in the 40 ft. Coleman Ditch easement in the Theatre Acres Subdivision under controlled conditions, perhaps keeping the trees a minimum of ten feet away from the new Coleman tile. I feel that in the urban environment that will be developed in this area that the encroachment of trees into this Coleman Ditch easement would not be detrimental to its primary use. Additionally, the pipe material and methods of construction used for this drain tile should pretty well preclude the problem of root intrusion into the drain tile. Your favorable consideration of this request will be greatly appreciated.

Very truly yours,
Donald G. Sooby, P.E.
City Engineer

DGS:gc
enclosure
cc: James F. Riehle, Mayor
Richard T. Heide, City Attorney
Don Staley
Johanna Downie
File

After much discussion Bruce V. Osborn moved to give approval to the request submitted by the City Engineer, Don Sooby City of Lafayette relative to the Coleman Drain in planting trees within the easements and the letter be made a part of the Drainage minutes, seconded by Sue W. Scholer, unanimous approval.

JOHN HOFFMAN DITCH

Michael Spencer stated he had received a petition to establish a maintenance fund for the John Hoffman ditch out east on the north side of 26 East. A meeting had been held previously in a hearing for reconstruction and the cost was out rages, it was rejected, so the property owners now want to establish a Maintenance Fund. Michael requested that this be put in the records of petition being received, and he will have to walk the ditch and come up with recommendations for the amount of Maintenance then call a hearing as soon as possible with the property owners. The plan is to start out with a high assessment rate for two years and then work down to a lower rate to get allot of the maintenance done up front early, instead of a dribble of funds and then waiting to get enough to continue on with another section. Main idea is to get the bulk of the work done up front. The petition was signed by over 80% of the property owners. The idea is to keep the ditch functioning and keep it from deteriorating.

ORCHARD PARK

Michael stated that he had requested quotes from four engineering firms for survey services to establish watershed boundaries and existing pipe structures topo maps, grade lines established down through the ravine to the Wildcat. Of the four Michael would like to recommend that the Board accept the proposal from John E. Fisher Company, Inc. Land Surveyor and Engineers in the amount of \$22,372.00. This will be paid out of General Drain and added on at the Reconstruction stage.

Bruce V. Osborn moved to accept the proposal of John E. Fisher Company, Inc. Land Surveyor and Engineers in the amount of \$22,372.00 to establish the watershed area, seconded by Sue W. Scholer, unanimous approval.

There being no further business to come before the Board, the meeting adjourned at 9:50 A.M.



Sue W. Scholer, Chairman



Bruce V. Osborn, Board Member

ATTEST: 

Maralyn D. Turner, Executive Secretary

NOT PRESENT

Eugene R. Moore, Board Member

TRI-COUNTY DRAINAGE BOARD
HEARING JOHN HOFFMAN DITCH ✓
Wednesday, MAY 23, 1990

The Tri-County Drainage Board of Carroll Clinton, and Tippecanoe Counties met for the hearing of the John Hoffman Ditch in the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana at 9:00 a.m. with Chairman Eugene R. Moore calling the meeting to order.

Those present were: Charles Sutton, Board Member Carroll County; Teddy A. Huffer, Carroll County Surveyor; Ellsworth Biesecker, Board Member Clinton County; Neil W. Conner Clinton County Surveyor; Donald G. Kremer, White County Commissioner Special Board Member; Michael J. Spencer, Surveyor Tippecanoe County; J. Frederick Hoffman, Attorney for Tri-County Board; and Maralyn D. Turner, Executive Secretary. Others present are on file.

Michael Spencer asked Mr. Hoffman to read the remonstrances.

The following remonstrances were read into the record:

Mary J. Cable for the Mable Holsinger property Carroll County, S1/2 SW 1/4, Sec. 18. Twp 23, Rge 2, 80.0, NE 1/4 SW 1/4 .50; W. Glen Kelly, Clinton County, ENW Sec 19, Twp. 23, Rge 2W., 70.8 Acres; Carroll Baker, Clinton County E side NW, 22.2 Acres PT W NE, 17.8 Acres; Noah E. Wolf, Carroll County, N 1/2, SW1/4, Sec. 17, Twp 23, Rge 2, 76.5 Acres; Beth Hubertz, Clinton County, S Side SW, Sec. 19, Twp.23, Rge 2W., 44.01 Acres. A total of 311.81 Acres.

The following property owners questioned the benefited acres: John Thrush, Tippecanoe County E1/2, Sw 1/4, Sec 23, Twp 23, Rge 3, 79.50 Acres, 38 Acres benefited, he feels he only has 27 acres. John Haan, Tippecanoe County NW 1/4, NE 1/4, E1/2 NE1/4 Sec 25, Twp 23, Rge 3, 41.17 Acres, Benefited 35.1 and 95.0 Acres, Benefited 43.2 Acres. Karl Kull for Mary Kull property E1/2, NW 1/4, Sec. 23 Twp 23, Rge 3, 70.29 Acres, Benefitted 44.5 Acres, Mr. Kull stated past records of 1928 has shown 20 acres benefitted. John and Sandra Marvin, Clinton County had question in regards to pipe and how were they involved.

Frances L. Newhouser had sent a check of \$272.00 and this was returned to her on May 4, 1990 with explanation.

Michael Spencer the total acres benefitted in remonstrances were 311.81 acres and the total acres in the whole watershed being 2,444.69 Acres makes an 8 percent total remonstrance.

Michael stated he would meet with any property owner who had questions or believed that there was a difference in acreage if they would leave their phone number with him today so that he can contact them to meet with them at their property.

Michael Spencer presented the profile maps and stated his proposal for the maintenance funds is to start at the outlet at 900 East, fix the tile holes, remove the brush, start regrading the waterway from the outlet on east continuing on east on the main channels and the branches as far as the money will allow. He has proposed a three year program to do this work. He feels it is realistic, this is an estimate. It could be drug out longer if you the property owners wish. \$10.00 was for a three year program. He doesn't see any problem at this time. It is concrete tile and he is sure there is some clay tile; however the tile is in pretty good shape, there are some tree roots in the tiles. ✓

Emmett Koehler property owner asked some questions. When was the ditch last cleaned out? 1954 or longer. How far back are you going to come from the middle? 75 feet on either side of tile which is a total 150 feet wide. Mr. Koehler stated he would spend all that money down on his property if they really cleaned that ditch out. Michael stated this is correct. On Mr. Koehler he has 3.5 acres of clearing. Discussion continued on length of ditch and watershed area, erosion control.

Jean Harner property owner asked if he was planning on making the open swale just as far as it is now? He plans to extend. On the Koehler, Thrush, and possibly the Walker property he isn't sure they will be able to cross it because of the depth of it now. Michael continued to explain what would have to be done on east. Cooper property would be more clearing of brush than cutting channel. At the Landis property the branch cuts off toward Clinton County, this he calls the Clinton County Branch. County Line Road culvert is completely buried, there will be a cut there. ✓

Jean Harner asked about downstream west of 900 East? Ms. Harner stated they own on west of 900 East and that floods now.

Discussion of water volume on west to the branch that goes into the Wildcat Creek on Hwy 26 near Monitor. Michael stated work has to be done down in there, just to get the dirt out of the big culvert under 900 east so the tile has a positive outlet. There is approximately 18 inches of dirt inside that big culvert. Michael stated that those property owners could petition to go in with this watershed and that area could be maintained. Discussion.

Mr. Hoffman asked what the outlet was there? Michael stated it is just a natural drain today. Discussion.

Debbie Lineback property owner stated that a fair amount of people had already been contacted about coming in on the Hoffman ditch as she carried a petition back in 1981 or 1982. Allot of those contacted at that time were interested.

Discussion.

Glen Kelly property owner stated if that wasn't cleaned out they wouldn't have anything.

Michael stated that they surveyed downstream from 900 east. If they would go downstream about 1000 feet they could provide a positive outlet for that tile with the elevations as they are today. Mr. Kelly stated that they went 520 feet it wasn't near enough. This is the reason Michael is going 1000 feet, Mr. Kelly stated he doesn't think 1000 feet is enough. Michael stated that there is fall.

Mr. Koehler asked the length of the ditch? The main ditch is 18,130 feet and 23,395 feet in branches. According to the legal ditch there is no open ditch it is all tile. To make the tile work he proposes to go downstream and dredge the channel to provide a positive outlet. Mr. Koehler asked if there were any parts that would not have to have brush cleared. Thrush has brush, but not thick, on east to the Cooper ground not brush. Cooper and Landis needs clearing and on east to Taylor and some of Rhinehard's. Mr. Rhinehard has cleared some. Mr. Koehler was concerned about his landscaping and herb gardens. Michael asked if they were in the easements? No. Discussion.

Herschel Smith Carroll County property owner asked if there were some rules established back in 1927 that no trees grow so many feet from the ditch and waterway to take care of the surface water and every property owner was to maintain the ditch on their property?

Mr. Hoffman explained what Michael can do with maintenance. He can only maintain what was originally there.

Mr. Smith asked if in time that it will get back in the same condition as there is no way to stop trees from growing up in the ditch on someone's farm? Discussion and explanation of maintenance, the present act did not go in effect until 1965.

Jean Harner asked if he grades the water way and reseeds; are the farmers not to farm this or turn that ground on their property? She stated that some of the water way had been farmed and this has caused some of the problem. Michael agreed. She asked how can the farmers be kept from farming on the waterway? Michael stated with the County Drainage Board and the Drainage Laws of today these obstructions can be kept out. Some areas the water way can be farmed, but the waterway needs to be reshaped and as long as he works close with the Soil Conservation Service on the slopes and velocity of the water going across the bare ground they don't get a severe erosion started. Discussion of erosion.

Mr. Koehler asked about the time frame. Michael stated again his proposal was for three years and after the three year period have a meeting with all property owners and see what has been accomplished and what the needs are at the end of the three years. He feels in the future that \$10.00 assessment fee can come down. Discussion.

Assessment will not start until May 1991 tax billing. ✓

Mr. Koehler asked if he could cut some of the trees down himself? Michael will meet with Mr. Koehler.

John Haan property owner, Tippecanoe County stated he is not over joyed with this proposal. With the 8% remonstrances you are assuming that all other property owners are in favor of the proposal presented. John stated he doesn't see how it is going to benefit him. Michael stated he is assuming that most are in favor or they would have written a remonstrance as stated in the letter 5 days before the hearing. Discussion of the statement in the letter of writing remonstrance and the purpose of the hearing.

Herschel Smith asked question again in the amount of time for the \$10.00 assessment? Discussion continued as Michael had made statement previously.

Neil Conner, Clinton County Surveyor stated there will be some dollar figure from now on. Michael stated this is correct, unless it reaches that 4 year period, but he can't see that happening in the next 4-5 years.

Ms. Harner stated she wasn't under the impression that any objections had to be written, it doesn't state that way, it just says that if you are going to write have them here 5 days before the hearing. It seems that if you are going to be there in person you do not have to write. Michael stated that today we will take oral objects. Mr. Hoffman stated by law it states by written objection, but if there are objections at the hearing the board would not go ahead with approval of putting a maintenance fund on the ditch. Discussion continued.

LaVonne Scheffee questioned highway assessment? This was explained that they do receive assessment. Ms. Scheffee stated as it is now she asked if we are promoting the infestation of mosquitos and bringing disease, the backing up of septic systems. Farmers have sold off land for people to build, if we don't let the water drain away what are we going to have? A Mess.

Carroll Kesler Carroll County property owner stated as he thinks about the Monitor water problem there are flood problems every where and may be we should all give a little and let this water stand. This would be an alternative.

Mr. Koehler stated he sees a positive impact of improving the ditch. Mr. Koehler stated he is not opposed to it, he just had a number of questions to be answered and here to have things explained to him.

Debbie Lineback stated she understands it was cleaned by some farmers the year 1954 and that was the last time.

James C. Buck, Tippecanoe County property owner had question in regards to Soil Swampbuster Act. Michael stated he has been able to maintain County drain without a problem so far. Michael stated that if a property owner has land that they have set aside in the program he encouraged them to check with their ASCS office before they start farming. J.C. stated that the timing of the meeting was the worse time of the year to have this hearing. This the Board understood and agreed, but with legal procedures the time had to be this date.

Mr. Hoffman made statement in regards to the Swampbusters. He understands that there is going to be an amendment adopted to this session of Congress before they adjourn clarifying some of the swampbuster, but if Michael puts the drain back in its original condition, he thinks then the only problem is if the farmer starts farming land that you could not farm for 5 years then the farmer may be violating swampbuster and can not participate in the government program under the ASCS, but he thinks this is an individual thing. Discussion.

Lola Jean Harner asked if he was going to check all branch tiles and make them work. ✓ Michael stated if they are a branch of the John Hoffman, yes.

Mr. Hoffman stated they have to be a part of the legal description of legal drain when it was established, if it is a mutual drain or a private tile that goes into the drain it is not a part of the drain. Michael stated there are 13 branches per record of 1927. Ms. Harner asked Michael to check a branch near their property. Michael will check. Discussion.

Mr. Carroll Baker Clinton County, asked where is the "Return on Investment"? He stated half of his property is woods. He asked what he is going to get out of \$400.00 a year? His drainage hasn't gotten any worse in the last 25 years. Michael stated one of the things that he would like to point out that where Mr. Baker is located in the watershed and is using the entire length of the tile system and the people on the lower end are using considerable less portion of the drain. Michael's answer to him on "Return on Investment" is that he will be receiving better drainage by the tile working better. The other way to do it is to assess from benefits and damages. Michael asked him for his help in going along with benefits and damages.

Debbie Lineback stated the important thing is to look at the next generation level and that we are a part of a community and we need to make an impact to improve not just individually, but your neighbors.

Michael Dawson stated originally in 1927 the ditch was probably set up by farmers that wanted to improve the land for the future. Some how it was neglected and he is a young man being in the area for approximately 10 years and he has spent over \$1,000.00 for drainage with the help of his neighbors. He does not have 25 feet of tile on his property. Within a half mile of his one acre there is probably 30 acres under water constantly. Enjoying the outdoors in the summer is impossible with that much stagnate water around.

John Haan asked if that was going to drain that; or is it too low?

Mr. Dawson stated that when the ditch was originally designed and it worked properly then it should work now. Water table in Mr. Dawson's area is rather high. Surface water will not be reduced. Once the trees and roots are cleaned out this will help with the surface water. Discussion.

Malcomb Miller stated he has property in Randolph County and has a ditch assessment; however at this time the ditch is In Active, but he is assured that the ditch is going to be maintained. The Hoffman ditch will possibly never be at a \$1.00 assessment.

Malcomb stated that he feels they are looking over one thing at this time and that is; if we don't take care of what we have now in the area and the outlet continues to get filled up we will be looking at \$15.00 plus. Malcomb went back into history. He doesn't want to get into higher cost and this is why he has gotten into wanting to do something now rather than to pay a higher assessment later on. He feels this is the most cost effective way to go.

Glen Kelly stated the woods that they are talking about in 1954 they dug into it about 20 different places and there wasn't a root in the tile. The trees were cut off at that time.

Ms. Scheffee stated she could remember back in 1956 when they came to the area you had to go down into the ditch and walk up the ditch on the other side to get to the top on the other side, now it is all filled in. She doesn't remember a tile being there it was just an open ditch to her. The property owner at that time would not let any one go in there an clean it out. Michael stated the tile is below that.

Carl Seest asked if there was enough representatives here to take a vote.

John Haan asked what has to be done if you have a cost benefit ratio? Obviously the people in the Pettit area have the majority of benefits as it is always flooded, they will have more land to farm as some of the property owners are hanging out on the edges that don't even have tile going in there or very little going into the Hoffman drain. To him the cheap land is going to get worth considerably more at someone else's expense.

Eugene R. Moore stated that allot of that goes over the top and ends up in the tile.

Michael stated that a watershed is based on surface water drainage.

Eugene R. Moore asked for a hand vote of those present.
Those in favor of going ahead with establishing a ditch assessment.

In Favor 15

Not in Favor 5

Carl Seest stated he did not vote, as there is still some in decision. Mr. Seest stated he has spent thousands of dollars on his farm.

John Haan stated he is not in favor of it at this time as he is not satisfied with the acreage benefitted on his land, in order to vote for it he has to be satisfied with his acreage. Discussion.

Herschel Smith stated there hadn't been anything in regards to the property owners who have tiled the farm another way even though their water goes into the watershed of the Hoffman ditch. Several have turned their tiles to another outlet. Mr. Hoffman stated they can now turn it back as there is no way of getting out of a drainage area.

After discussion Mr. Hoffman stated it is up to the Board as to whether they want to approve or disapprove establishing a maintenance fund.

Ellsworth Biesecker Clinton County Board Member stated this was his first time on the board and he did have some questions in regards to the background of this ditch before he makes a decision today. He stated as a farmer and a member of the Drainage Board for Clinton County he knows there are allot of benefits with drainage regardless of the cost it pays over the long run. There's never a full proof way of assessing benefits that everybody has an equal cost benefit mathematically isn't possible to do that. Discussion and explanation continued.

Neil Conner stated that the reason for Mr. Biesecker asking these questions and wanting to be brought up on the history of this Hoffman ditch, it is his first time to serve on this board as Mr. William Lucas who was the Board Member when the board was formed has deceased.

Donald G. Kremer White County Commissioners expressed that 4-5 years down the road that this may be reduced down to \$3-\$4.00 an acre depending on what is found in maintaining. After finding out how much work is needed and the cost, another hearing can be held and reduce the assessments. Donald agreed with Debbie Linebacker that this is a general community project that he has observed in the presentation. On Maintenance you have to go in with a lump sum.

Carl Seest again stated he had not voted in favor as he felt it is premature since all the board was not up on it. He felt a project like this should deserve more public meetings, should he lean any way he would lean toward establishing maintenance. Concerning the Hoffman ditch he personally has spent between \$10,000.00 and \$15,000.00.

Michael stated that Mr. Seest was suggesting may be a possibility of taking of some of the water at the County Line running it South to Wildcat instead of coming back west to 900 East. This would be a reconstruction; also jumping watershed lines. Landowner changing the flow of the way the water goes on his farm and willing to accept the Liability.

The Board is not allowed by law to change watershed from one to another without the other watersheds approval because technically your taking watershed from one putting into another.

Carl Seest stated it is already going that way. Michael stated the reason is because Mr. Seest put it that way. Discussion continued.

Question was asked if enough hearings have been held? Michael stated this was the first on maintenance.

Ms. Scheffee stated this has been going on for 5 years and property owners have been patiently waiting for something to be done.

Reconstruction was voted down due to the extreme cost.

Discussion on erosion was held.

Eugene Moore Chairman stated that the Board feels a vote should be taken from the board.

Eugene Moore asked for each to state their name and their vote.

Charles Sutton, Carroll County Yes.
Ellsworth Biesecker, Clinton County-Yes.
Donald Kremer, Special Board member White County-Yes.
Eugene R. Moore, Tippecanoe County- Yes.

Charles Sutton Carroll County Board Member, moved to establish a maintenance fund for the John Hoffman ditch with an assessment of \$10.00 an acre, seconded by Donald G. Kremer White County Special Board Member,

unanimous approval.

Michael stated he will answer any questions after the meeting.

There being no further business to come before the board the meeting adjourned at 10:25 A.M..

Eugene R. Moore

Eugene R. Moore, Chairman, Tippecanoe County

Charles Sutton, Carroll County Board Member

ATTEST: *Norelyn D. ... Executive Secretary*

Ellsworth Biesecker, Clinton County Board Member

Donald G. Kremer, White County Special Board Member

TIPPECANOE COUNTY DRAINAGE BOARD
WEDNESDAY, NOVEMBER 7, 1990

The Tippecanoe County Drainage Board met in regular session with Sue W. Scholer, Chairman calling the meeting to order at 9:00 A.M. in the Community Meeting room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana.

Those present were: Keith W. McMillin and Eugene R. Moore, Board members; Michael J. Spencer, Surveyor; Ilene Dailey Drainage Consultant; J. Frederick Hoffman, Drainage Attorney; and Maralyn D. Turner, Executive Secretary, others present are on file.

JOHN HOFFMAN DITCH DITCH

JOHN
HOFFMAN
DITCH

C. J. Baker whose address is Box 13, Route 2, Rossville, Indiana 46065, a property owner with in the John Hoffman ditch stated that he has 160 acres in the Northwest corner of Clinton County. He is a conservationist and about one fourth of his land is in wood land and half of his land that is designated as being in the John Hoffman watershed is woodland. His policy is to not cut any living trees. He feels that the trees are an investment for the future generations. He asked that all woodlands be exempted from the drainage assessment, except those woodlands which are utilized for dwellings or livestock production. Mr. Baker's letter is on file.

Sue W. Scholer asked if there was a legal ability to respond to that type of request?

Mr. Hoffman stated he doesn't believe there is anything in the law that allows that. He will check for the information, but to the best of his knowledge there is no provision in the law for exempting any property that drains from the drainage assessment if it is in the drainage area, you have the power to set different rates.

Mr. Hoffman asked Mr. Baker if he was talking about his assessment of the ground with in the conservationist reserve? Mr. Hoffman asked if it is classified forest, or classified with the state? Mr. Baker stated he has not formally entered his land as a classified forest, but he would be glad to do so, if this would make a difference. Mr. Hoffman stated if it was reconstruction assessment you would do it with benefits and damages, but maintenance he thinks the statute requires that it be uniform. Mr. Hoffman stated again he will check this out and get back with the board and Mr. Baker.

Road 350 South Phase III

Road
350 South

James Gulick PE of Bernardin Lochmueller and Associates introduced Steve Grundhoefer, Project Engineer for the 350 South Phase III project. Bernardin Lochmueller and Associates are doing the road plans for County Road 350 South. Mr. Gulick gave presentation of plans. The project starts just west of US 52 -350 South and heads in a northeasterly direction crossing US 52, north over the Norfolk and Western Railroad and ties into State Road 38 East at the intersection with Road 475 East. The project area is very poorly drained, there are no real drainage outlets in the area, it is served by field tiles. Looking at the Aerial photo there is an area west of US 52 and North of present 350 south, a low area that is not outletted to any area, water collects in the area evaporates, percolates through the soil. Just east of US 52 about 500 feet there is a natural swale that head from south to north, it drains to a lower area which is served by an existing field tile.

In looking at the project they had to give a lot of thought as there is no existing creek in the area for them to find a suitable outlet. One of the first considerations they had to do was to be aware of, was they had to meet the drainage board requirements for the Elliott ditch watershed and come up with a concept of where they were going to take the water. At first they thought they could have it go the way it is now and hook into the drainage tiles. They met with Steve Murray and Michael Spencer in regards to various options to explore. Michael had explained that allot of the drainage tiles were over taxed and that it would not be a very good idea to introduce more water into the tiles. The only other options that they could come up with, that would be to collect all water in the side ditches along the road way and take them into a northeasterly direction along 350 South and come up with some type of design for a detention pond in the area just south east of the over pass of the railroad is going to be. From that they could outlet into a pipe that would roughly parallel with the railroad for about 1800-2000 feet until it opened up into a ditch on the railroad, then it could go under the new corrugated metal pipe arch at the railroad, under State Road 38 East and eventually into the Elliott ditch. One thing that made the project difficult was that it is very flat in the area and they have a long way to go without any relief. They are very concerned if they could drain the ditches to that. After making a study, they found it possible to go meet with Ilene Dailey of the Christopher Burke Engineering and discuss their concepts and have their input of how they might model the situation.

Steve Grundhoefer, Project Engineer gave presentation of the six different sub areas and the detention pond and how it would work. Looking at a 50 year storm of the undeveloped area which is allowable for Tippecanoe County Drainage Ordinance for road way project. Looking at the limited slope outlet sewer it was undesirable to release the water at the allowable 50 year rate, therefore they tried to use just a 10 year storm on all the undeveloped area. This includes the area which would be outside the right of way which ideally would not have to be retained at all. Assuming there was all ready a ditch along the proposed road way which would be intercepting the sub areas, direct the water to the proposed detention pond. Using the 10 year storm on the undeveloped area running it through TR-20 to determine the allowable release rate from the detention pond. The result of the TR-20 model of the undeveloped area gave a peak flow rate in the detention pond of 63.5 cfs, this would be the allowable release rate of the detention pond. Taking the 100 year storm on the developed areas and run it through the TR-20 model came up with the peak flow rate into the detention pond for 100 year storm 116.6 cfs. These two items were then used to determine the actual size of the detention pond and the

outlet sewer. They looked at several different sizes for detention pond outlet sewer using pond two. Due to the limited slope of the outlet sewer .11 percent, it was determined that a very large and expensive outlet sewer would be required to release it to the allowable rate of 63.5 cfs. Because the job required a large amount of fill for the bridge and the detention pond is located beside the bridge, it was decided to increase the size of the detention pond and thereby reduce the size of the outlet sewer required. This would save money on both the outlet pipe and the borrow by reducing the haul distance.

The excavation of the detention pond could be used for the bridge fill which would reduce the cost of both the outlet sewer, allowing smaller pipe, and decreasing the earth work as the excavation of the pond could be used on the bridge fill. Shorter haul distance etc. They modeled several sizes of detention ponds. A 30" reinforced concrete outlet sewer was selected because it provided an acceptable peak water elevation in the detention pond and was more economical than the larger size outlet pipes. The 250' X 135' detention pond was selected because it provided the most storage per elevation and it also provided the most fill for the bridge. With the 30' outlet sewer the peak outflow would be 21 cfs for a 100 year storm. This is considerably less than the allowable release rate of 63.49 cfs. The peak pond elevation for 100 year storm would be 660.05 this would stay within the ditch that is proposed. Mr. Grundhoefer then presented the graph of the peak flows and cfs verses time.

Mr. Gulick showed more detail of what the project will look like. The detention pond will outlet into a 30" pipe go into a north easterly direction, run parallel to the railroad, the 30" pipe will cross an existing easement for the existing sanitary sewer that is coming from Dayton, it will come across and will be approximately 15 feet above the elevation of the sanitary sewer, there should be no interference with the sanitary sewer. At the outlet pipe they will ask to get a perpetual drainage easement. There will be 30' strip of ground between the property line of the Norfolk and Western Railroad and the existing utility easement for the sanitary sewer. They feel they can get that between those two easement lines, pipe it through the 30" pipe. Where the sanitary sewer is it is not on top. It has an elevation of 10- 15' higher, offset away from it. They feel there will be no long term maintenance problem between the two. Going further east crossing underneath Newcastle Road, they are able to outlet into an open ditch still staying within the easement area that they want runs down to existing corrugated metal pipe that runs under the Norfolk & Western Railroad. Railroad put in a good size pipe two years ago and it is more than adequate to handle the flow, goes under the railroad through the existing box culvert to the existing State Road 38 East into the Elliott ditch watershed. Summary: They feel they have came up with a good solution on two counts. It takes care of allot of the drainage areas and releases them at a much lower rate that will create any problems for Elliott ditch watershed, side benefit is that they are able to get fill for the project from the detention pond. Result in an overall economical solution of the problems in the area.

Mr. Hoffman asked is this water being drained in the area within the Elliott ditch watershed area now? Answer-Yes.

Mr. Hoffman asked what affect will this pond have on the other ponds they have been discussing in the whole plan of the Elliott ditch?

Michael Spencer answered- Only that it is reducing the run off rate.

Mr. Gulick stated it would take care of 52 acres. Part of it would be highway right of way and part of it is off the proposed right of way. It is taking care of some of the area out there.

Mr. Hoffman asked how deep will be pond be? Depth 10 feet, when it fills up with elevation it will have six feet deep of water before it starts lowering down.

Mr. Hoffman asked how long is the water going to stand? Rough calculations have been done. A 100 year elevation on the Elliott ditch is approximately 2 feet above the low level of the pond. Figured it would take from time of peak 5-8 hours to empty down to the level of the Elliott ditch, then it will be controlled by how slow the Elliott ditch goes down.

Mr. Hoffman asked if they were going to put a fence around it? Yes.

Michael Spencer stated it was going to be in a right of way.

It will be in the right of way that the County will require for the Highway project.

Mr. Hoffman asked if the outlet was going to be a legal drain from the pond to the Elliott Ditch? Michael asked if he meant the tile? Yes-Outlet tile from Detention Pond. This has not been discussed. Mr. Gulick stated they would be willing to go either way the drainage board would require them to go.

Mr. Hoffman stated it looks as if we have some easement problem if it is because it looks to him with 30 feet will not be able to get in there very easily.

Michael stated with the depth he feels it will be OK with 30 feet, it just does not meet the 25 foot minimum on each side. The easement will be a part of the highway and not just legal drain.

Sue W. Scholer had a question in regards to the impact on the pipes that the railroad put in and into State Road 38 East as this is some water at this point in time goes north rather than east. Are we impacting any of the capacity. Michael Spencer answered with the reduction coming out of the detention basin, it should not impact it at all. She asked Michael if he was looking at that, his answer was yes.

Mr. Hoffman asked how many people are they working with to acquire easements to get the pipe from the pond up to the Elliott ditch. Two property owners.

Road 350 South Phase III

Michael pointed out that the easement would be taken with right of way.

Sue W. Scholer stated that today they are asking for conceptual approval.

Michael Spencer stated he had received the drainage board consultants report, everything was fine and they recommended conditional approval with proper erosion control techniques be detailed in the plans and implemented during construction.

Sue W. Scholer asked Steve Murray if he had any recommendation or report.

Steve stated that they had originally discussed conceptual approval. At there last meeting they had discussion that at this point final approval could be requested.

Michael stated he would have no problems in giving final approval to the plans presented. Steve feels that every thing is in order for final approval.

Mr. Hoffman asked if it was going to resolve any increase in the water going into the Elliott ditch from the way it is now? No. If the answer is no, he sees nothing wrong with granting final approval, but if there is going to be an adverse affect on the people downstream by the amount of water being in there, then notice would have to be sent.

Michael stated it is less than what they get today from the ten year storm event after it comes out of the detention pond.

Mr. Hoffman stated he sees no problem in giving final approval with conditions.

Sue W. Scholer asked if they are changing the request from conceptual approval to final approval. Mr. Gulick stated yes.

Eugene R. Moore moved to give final approval to continue with plans presented for County Road 350 South Phase III with the following conditions: that the proper erosion control techniques be detailed in the plans and implemented during construction, fences be put in, and that they acquire the easements, seconded by Keith McMillin, unanimous approval.

WAL-MART

WAL-MAR'

For the records, Eugene abstained from the board as the project has conflict of interest.

David Robinette representing Wal-Mart stated that he is here on the matter of getting tabled from the last two drainage board meeting. Mr. Robinette stated they need to give the board some assurance of what measures will be taken to help Treece Meadows. Since the last meeting they have acquired the easements for the three parts of the downstream off site channel. Michael has received the GTE easement agreement. They have expanded on the onsite detention pond on the Wal-Mart site above the 500 year storm to hold two 100 year storms back to back which added above the 500 year storm of an extra 250,000 cfs, they went from 240,000 to 440,000 cubic feet of storage on their on site detention pond. The third reach, the last reach of the off site channel they have taken the 24 inch restriction out of it, and it is still under construction, there are still some things that need to be done per plans which is modifications to the 4 X 8 drainage structure along Creasey Lane. Channel is in place, they just need to work on the box where the concrete wing walls goes there is just a hole knocked into it now, just need to go in and remove the whole side and pour wing walls.

Mr. Hoffman asked if they were going to remove the whole box. Michael stated no, just one side of it (east side). It will be just a wall. Michael stated it will be more like a headwall.

Mr. Robinette continued with stating that the on site detention pond has been finished. He stated the City has money in escrow to build the channel (\$600,000.00). The plans have been designed by Christopher Burke Engineering. Mr. Robinette was not sure if they would be used to build the channel, but this is what they used to build the lower section of the channel. He stated he was not sure who was involved at this point with the project as there as been different attorneys and engineers involved with the project.

Mr. Robinette stated they have taken some other measurers which is between Mr. Long and Wal-Mart. They have decided to add some additional storage for the Caterpillar water that comes in on the southwest corner, the drain around Treece Meadows that is additional undeveloped 80 acres that spills in. Wal-Mart is providing some storage as there is some problems with flow across the property, they have worked an agreement out with Mr. Long. Mr. Robinette stated he would let Mr. McCully who represents Mr. Long talk at this time to see if they have any comments.

Tom McCully stated he was not sure specifically what was on the agenda today. Michael stated it was more less for the board to hear an up dated report from Wal-Mart in regards as to what has been done to meet some of the requirements that had been requested. Acquire the easements, remove the 24 inch pipe, the additional storage. Just report to the board that they are doing what they said they were going to do.

Mr. McCully stated on be half of Bill Long at the last meeting we were talking about the fact that initially the whole ditch was going to be built, but because of the time they were looking for some interim solution or precautions to prevent something happening this winter until the ditch can be built this next year. Last month the three things were discussed which has just been mentioned including the two 100 year storm events back to back. He understands that the 24 inch tile was removed last week, the ditch has been constructed on an interim bases, not pursuant to the plan that the board approved last February. He understands that it is a temporary situation that has been discussed

with Michael, the City, and Wal-Mart to try to accommodate things at this time. He stated there are some refinements that need to be made. The rest of the box needs to be removed, where the ditch makes a bend there is a problem and that is to be taken care of today. He stated on the Caterpillar thing they have seen calculations and has been reviewed by their engineer that it is just a temporary situation to accommodate things until the ditch is built. What they are here today to say is that even though this is not what we had anticipated last February given the situation now, they are satisfied with the way Wal-Mart is proceeding in good faith, they feel Wal-Mart is doing what they are commented to do and will finish it. They are prepared they have no objection to the current situation and they will leave it to the desecration of the board to see what they wish to do at this point.

Mr. Hoffman asked about the three easements? Is that all the easements that are necessary? There is one outstanding easement and that is Mr. Long's. Mr. McCully stated that he thinks their original agreement with Wal-Mart was that they were not going to give them the last easement until they finished the ditch.

Michael asked them if they were allowing Wal-Mart to build the ditch without actually granting an easement? Mr. McCully stated not until they get all the interim situations taken care, final plans approved, then they will proceed with their easement.

Sue W. Scholer stated that easement is going to be released upon final plan approval and completion of the construction on the interim, not completion of the final. Mr. McCully stated this is correct. Mr. McCully stated they understand there may be some modifications in the plans, therefore they do not want to give final approval until they are sure.

Michael asked Don Sooby if he knew what some of the changes were? His answer - NO.

Mr. Hoffman stated he wanted to get it clear in regards to the easement from Long; will be granted after two things are done. The plans for the final ditch are approved, and the temporary ditch is in. Mr. McCully stated it was the three things that had been discussed. Two are done, one is almost completed, and the third is under construction. Mr. Hoffman stated: you won't make them wait until the final ditch is completed. Mr. McCully stated that is correct, they just want to make sure all the interim solutions are constructed and in place, and that the plans are approved to accomplish the final solution. Mr. Hoffman asked if they had given them approval to go ahead and put in the temporary ditch. This is correct.

Sue W. Scholer asked if this was in a form agreement. Mr. McCully stated they had discussed this morning that they have a verbal agreement and this will be confirmed by letter this week. Sue asked that the board be furnished a copy of the agreement, Mr. McCully stated they will send a copy to the board.

Don Sooby asked under these discussions who is to approve the final plans, is Bill Long one of the approvers of the final plans? Bill Long stated they have no say to the final approval of the plans. Mr. McCully stated they had nothing to do with the approval of the original plans, but they understand now they are going to be modified, therefore someone is going to have to give approval, and he assumes it is going to be the County drainage board. Michael stated what ever the modifications are he has heard battered around, but he has not seen any. This is all Mr. McCully has heard.

Sue W. Scholer asked if there was any additional action that needs to be taken at this time.

Mr. Robinette stated Wal-Mart just wants to be able to clear as to when the City will issue occupancy permit; that they won't feel the drainage board is holding them back from granting them occupancy. If vote could be taken on the revised drainage plan temporary matters.

Mr. Hoffman stated since it is in the City's jurisdiction to grant occupancy. All the County Drainage Board can do when the plans are there is approve the plans, at this time the board has no authority. Michael stated acknowledgement of what they have done, and to the fact they are acting in good faith. Mr. Hoffman stated that they have reported to the board of what we requested two meetings ago and told us what the status is, they have most of it done except one easement, but as far as granting occupancy permits etc., that's in the City jurisdiction, all the County Drainage Board can do is approve plans when the work is completed. David Robinette stated that Wal-Mart just wants to open their store, the channel didn't get built there are allot of different elements that have been involved in regards to the channel not being built. He hopes that everyone realizes, and Michael does realize that the ditch is a band aid measure for Treece Meadows that their worries won't be over until the regional detention pond and the ditch around it will be completed, he hopes that anybody else who request a development in the area will share some of the cost like Wal-Mart has to help out Treece Meadows.

Sue W. Scholer asked what the status of the plans were at this point.

Michael stated from his stand point the plans are in a status that they could be approved. Michael stated he does not know how the city stands on it if they have any changes they want to make, discussion has been held, but Michael stated he is not sure.

Mr. Hoffman stated this should come before the Urban Review committee. Mr. Hoffman stated they have had this before the committee, but needs to be reviewed again by the committee to make a recommendation to the County Board. Michael stated he is satisfied with. Sue W. Scholer stated the question is are there going to be modifications to the plans. Michael stated he did not know if there would be modifications.

Sue W. Scholer stated that the board is in a position at this point to just acknowledge that the board is in agreement with everything that seems to be happening, but until we

November 7, 1990 Regular Drainage Board Meeting Continued

know that the plans that Michael has looked at are the final plans the board really can't take any actions at this time. The plans will have to come back as the final plans. Michael agreed.

Mr. Robinette stated that it was not in the hands of Wal-Mart and he hoped that the board realized that. They started preparing the plans less than a month after the Drainage Board meeting in February, 1990, it was PORTRAYED that the Wal-Mart actually did nothing for the last ten months. They have communicated everything. Being people from out of town trying to work over the phone, flying in from time to time has not gone as quickly as should have, but they have been working. He had just talked with Mr. Sooby that as far as being able to open the store on time as long as they provide the city that everything is fine. In summary in all good faith Wal-Mart has done their part from the drainage part.

LUR

Michael stated that Robert Grove had called and asked to be removed from the agenda.

DEWEY/LOFFLAND

Sue W. Scholer stated she had a letter from Montgomery County Drainage Board. Mr. Hoffman read letter from James M. Kirtley, Chairman of the Montgomery County Drainage Board asking for Tippecanoe County Drainage Board to appoint two board members to the joint board for Dewey/Loffland ditch. Letter is on file. Eugene R. Moore moved to give approval to the appointment of Mr. Herschel Gentry, former Hendricks County Commissioner as the fifth committee member and appoint Keith W. McMillin and Eugene R. Moore as Tippecanoe County board member to the Dewey/Loffland joint board, seconded by Keith W. McMillin, unanimous approval.

There being no further business to come before the board, Keith W. McMillin moved to adjourn, seconded by Eugene R. Moore, unanimous approval.

Sue W. Scholer

Sue W. Scholer, Chairman

Eugene R. Moore

Eugene R. Moore, Board Member

Keith E. McMillin

Keith E. McMillin, Board Member

Attest: *Maralyn D. Turner*
Maralyn D. Turner, Executive Secretary

TIPPECANOE COUNTY DRAINAGE BOARD
REGULAR MEETING, WEDNESDAY, JANUARY 9, 1991

The Tippecanoe County Drainage Board met Wednesday, January 9, 1991 in the Community meeting room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana with Nola Gentry calling the meeting to order for the re-organization of the board, therefore she invited J. Frederick Hoffman drainage attorney to preside

Those present were: Keith E. McMillin, Hubert D. Yount, Board Members; Michael J. Spencer, Surveyor; Ilene Dailey Consultant Drainage Engineer; J. Frederick Hoffman Drainage Board Attorney; Don Sooby, City Engineer; and Maralyn D. Turner Executive Secretary.

Mr. Hoffman asked for nominations from the floor for board chairman. Keith McMillin nominated Nola J. Gentry as chairman, seconded by Hubert Yount, there being no other nominations from the floor Nola J. Gentry was unanimously elected chairman of the board.

Mr. Hoffman turned the meeting over to Ms. Gentry to conduct the remainder of the meeting.

Ms. Gentry asked for nominations from the floor for vice-chairman of the board. Keith McMillin nominated Hubert Yount as vice-chairman, seconded by Nola J. Gentry, there being no further nominations from the floor, Hubert D. Yount was unanimously elected vice-chairman of the board.

Ms. Gentry asked for nominations from the floor for Executive Secretary, Keith McMillin nominated Maralyn D. Turner as executive secretary, seconded by Hubert D. Yount, there being no further nominations from the floor Maralyn D. Turner was unanimously elected executive secretary.

Mr. Hoffman read the following ditches to be made active for the year 1991 J. A. Kuhns, Ray Skinner, Gustav Swanson, and Shawnee Creek. A letter from White County Surveyor was read to collect maintenance assessments on the Emmet Rayman ditch for 1991. Keith E. McMillin moved to make these ditches active for assessment in the year 1991, seconded by Hubert D. Yount, unanimously approved.

(See bottom of page for active and inactive ditches.)

ROAD 350 SOUTH

Stewart Kline of Kline and Associates presented final drainage plans for the project Road 350 South. A preliminary plan had previously been presented and a conceptual approval had been granted.

At this time they are developing plans for three separate projects along County Road 350 South as follows: Phase I Part I Cr 350 South from US 231 to CR 100 E. (9th Street) Phase II Part II CR 350S from CR100 E to 250 E (Concord Road) Project II CR 350 S from CR 250 E to approximately 0.3 miles west of US 52. All three projects fall in the Kirkpatrick ditch watershed except for a small section at the western terminus which outlets along US 231 and eventually into Wea Creek. The existing conditions for drainage are poor. Mr. Kline continued presentation which is on file. What they propose to do with the three projects is to use some road side channels and clean up allot of the existing problems. They have broken down three major off-site locations. Presentation continued on the new off-site surface flow channel.

Structure # 1 will be providing storage on the north side of new County Road 350 South and outletting into the Wea Watershed.

Second point of discharge is at the Kirkpatrick ditch itself where a new box culvert will be installed and channel improvements for downstream, at that point they will be opening up the existing tile. The channel will be deepened going with the box culvert sections allowing the existing pipe to be opened into the open flow channel, run down and spill eventually into the extension of Elliott ditch. This will allow them to bring more water more efficiently. This makes for a more economically feasible structure. At this time the bridge would be extremely long and very shallow because it is more of swale by defining the channel and dropping the depth will be able to cross in a much shorter distance.

County Road 100 East they are basically discharging down 100 east the existing path that flows down and back into the Kirkpatrick open ditch and tile system. Detention will be provided at this point to try to minimize any affects there.

The fourth at Station 135+94 line "A" where water will be routed through the proposed Valley Forge Subdivision storm water sewer system which eventually outfalls into the Kirkpatrick. They have coordinated with Dale Kuhns with Valley Forge, they are accepting the off-site water into their storm sewer system.

The fifth is at CR 150 E running down the existing side ditches again providing storage.

The last is a new overland ditch at Station 185+40 line "A" which runs south to the northernmost branch of the Kirkpatrick surface flow. This will provide detention ahead that and bring the channel out to match the existing surface flow which is very shallow and almost a sheet flow condition.

Detention is provided at several location. Presentation continued.

The two major points of detention are east of the Conrail Railroad at that point they will be holding the water before it ever crosses, catching the water that sheet flows to the south to the Kirkpatrick ditching it and doing major detention at the point holding both north and south prior to reaching CR 150.

Mr. Kline stated all in all it is an improvement of a very poor situation up and down the line. By holding at the top of the shed they eliminate problems from all the way down the watershed. Mr. Kline asked if there were any questions.

Hubert Yount asked at Valley Forge going into the storm sewer, what is the capacity realization for the future as it is developed, are you in good condition there so we won't have any problems the back up in Valley Forge? Mr. Kline stated as Valley Forge develops the storm water going into the County system should decrease because they are designing for existing flow conditions. As developers come in there they are going to have to meet drainage ordinance and hold back the 10 year pre-developed, so they are assuming that their peak that we are giving to Mr. Kuhns now is the maximum. Mr. Yount stated then we are still going to be in a safe condition when the developers come in. Mr. Kline stated as the developers come in we will actually have excess capacity.

Michael Spencer, surveyor asked what they were going to do in the mean time before the development takes place over on Valley Forge? If there system is not in place how is yours going to work? Mr. Kline answered if it comes to a point where Valley Forge is not going to be in place prior to our development we will have to go on down to 150 and take it south.

Nola Gentry asked then there is capacity at 150? Mr. Kline stated they would have to rebuild the ditch, but that is the existing path and will be reduced. It would mean greater construction expenses, which they are trying to avoid. One of the big problems in the shed is that there is not enough fall. To get the water down to the Kirkpatrick, they would have to take the larger volume of the water that they were going to route throughout Valley Forge they would have to do considerable ditch work to get it there.

Mr. Hoffman asked how much additional distance would you have? Mr. Kline asked to go around Valley Forge? Yes, at least a half of a mile.

Hubert Yount stated they would have to do some reconstruction on those existing ditches down there. Mr. Kline stated right, they would have extend Project I. Hubert asked if they had enough right of way to do that? Mr. Kline asked down 150? Yes, under the present plans the answer is no. It is assumed that the present plans is that the Valley Forge development occurs prior to our development. Hubert stated if it does not, then we will have to acquire the right of way to do that. Mr. Kline stated we will have to acquire right of way, this is 100 E (South Ninth).

Michael stated comes back west along the south side of 350 South, then south along the east side of Ninth Street. If they plat subdivision they would have to grant that additional right of way which is not platted today, therefore we do not have it. Stewart Kline stated we do not have the right of way to build the ditch if they don't build, then we don't have their storm sewer system in place. Hubert stated then we are ahead of them if we acquire right of way on South Ninth Street prior to that platting. Mr. Kline stated this is right.

Steve Murray Highway Engineer, stated he does not anticipate that being a major problem in that we have met with the developer and supplied him with information. He has been cooperative. The half width right of way dedication for that side of South Ninth Street, 50 or 60 feet based on the thoroughfare plan. He thinks if the worse case develops here where Valley Forge did not have or was not ready to put their storm improvements in at the time we go to construction that the developer would be willing to grant us the extra right of way knowing full well that when he plats he has to give that right of way up. We would use that primarily as a temporary solution to drain the water from this small portion of 350 South, south along South Ninth along the east side of the road down to the Kirkpatrick. Basically that is just a back up solution, and rather than to go into it without a back up we feel we have ourselves covered from both sides.

Hubert asked what does that do to our road construction?

Steve asked as far as the 350 South job? Yes. Steve - Nothing substantial. Hubert - How about on Ninth Street? Steve - It should not affect that either. Hubert, but you are ultimately going to have to widen there? Steve - Eventually, yes they are hoping to. There is going to be a need for it in a very few short years.

Nola J. Gentry asked if there were any questions or comments from those present.

Ed Purdy property owner on Road 231 South. His family farm is on the south end of the drainage system. He is very concerned about removing the existing tile, it is functional and performs adequately for the agricultural commitment that it was initially built for. He realizes that with the development upstream there probably is a need for a better drainage system. He would like for the system not to be opened if anything improving the size of tile. The area that it runs through is real rough ground and he feels if it is opened there will be allot of erosion in that area. The sub base is sand & gravel and he thinks that all of us know it would be difficult to maintain slopes on a ditch with a base of sand and gravel. What is there now is the existing system, the excess water runs over the surface and there appears to be no erosion. He stated since the board (Commissioners) are new, he would like for them to come out to the site and look over the area and see what is being talked about and presented. He thinks to do some of these things at this time the way they are proposing to do they are short sided for the future for the whole system. If the board would come out he would be more than happy to show them the area.

Michael asked Ed if he was talking about the part of the ditch at the Kirkpatrick north of the proposed Road 350 South. Steve stated basically where the tile is going to be taken out and replace it with an open channel. Ed stated he is not familiar with the other thing they are talking about on US 231 where your talking about some other detention area, this is new to him. Steve stated it is the water that is going to be stored in the ditches, the controlled structure will be a cross pipe under 350. Ed pointed out the area he was talking about is a habitat for wildlife. Tearing that out the wildlife is going to be disturbed. Discussion continued.

Fred Hoffman asked how long of a stretch are you talking about? Mr. Kline 800-900 feet. Mr. Hoffman asked how big is the pipe? Michael stated the existing pipe is approximately 27-30 inch. Nola asked if it would hold or would it have to be open for this to work. Michael stated they are not going to be allowed to put the road water into the tile. It drains overland today, after construction release rate is acceptable it could drain the same way today. Mr. Purdy stated what you have is the tile in there now is performing, there is no surface drainage. Mr. Purdy hates for them to jerk that tile out and always have surface drainage there, if the tile is left in and if the

system was regraded and cut back and smoothed out, then maybe you could take care of the run off easier. It is simply not a problem to his farm as it is today. Today there is no problem, if you tear it out it is going to be a continuous flow of water. There is flow in the tile at all times, if you remove it there will surely be continuous flow in the ditch.

Mr. Hoffman asked how deep is the tile from the surface? Mr. Purdy stated he did not know, he feels it is quite deep because the elevation of the banks is probably 25 feet. Discussion continued.

Mr. Purdy stressed again he is requesting the board to see the project before they grant approval to the proposed drainage plans.

Mr. Hoffman asked how deep were they going to have the water in the side ditches where they are going to have storage? Stewart Kline - 4 feet or less in compliance with the ordinance. Discussion continued.

Nola asked if we had a major storm what would be the depth in the side ditches on storage? Steve Murray stated this can't really be answered without computer calculations. Mr. Hoffman asked how long is it going to be before it drains out and will it create a traffic hazard? Answer - In a matter of hours, and no hazard to traffic as it is in the side ditches. Discussion continued.

Jack Coffman property owner of Fairfield Contractors 3310 Concord Road. Property is at NE corner of 350 and Concord Road. He recommended that the board not give approval to the proposed drainage plans submitted until they have a chance to review the affect on their property of this design.

Nola asked if there were any other comments on this project.

Steve Murray stated an over all comment of this project is that it takes up a very large area an improvement that the county highway department has been working on for quite some time, do to the SIA plant being put into Tippecanoe County. It has gone through the normal channels. Basically according to the drainage boards consultant it meets the drainage codes. He realizes that Ed Purdy has some concerns and he certainly has no problem delaying judgement on this for another month if the board would like to come out and become more familiar with the project and what is actually going to happen. He did point out that we have had conceptual approval, as stated the drainage board consultant has reviewed the calculations and documentation with some additional information to be supplied to them they do recommend conditional approval. Back to the out fall to the Kirkpatrick and removing a portion of the tile. The primary reason that was done was what Stu had mentioned to begin with, if we would try to put a bridge in there or a battery culverts, we would have a long very expensive part to maintain bridge structure, so at that time they took a look at putting in concrete box structures to keep the cost down, plus maintenance cost down for the future and looking at it they found out that from the hydraulics by taking that portion of the tile out it would actually cause the rest of the tile up stream to function better. Again we would have no objection to delaying this for a month. Delaying he feels will not affect the development of the project.

Hubert D. Yount moved to table the action on the Road 350 South project until next meeting so the board can go out to the project and give Mr. Coffman of Fairfield Contractors a chance to review the plans, seconded by Keith E. McMillin, unanimous approval.

MCCARTY LANE

Nola J. Gentry stated that McCarty Lane was not an agenda item, but that some of the preliminary drainage report is ready for the McCarty Lane. We will listen to the report, but no action will be taken today.

Stewart Kline presented the preliminary drainage plans. Presentation was given in the July 11, 1990 meeting and at that time conceptual approval to McCarty Lane drainage plan and LUR as presented for the over all regional detention plans.

Stewart Kline stated this is an interesting drainage problem with the existing Kepner ditch being overwhelmed.

They will be coming with a four lane urbanized roadway section.

Again he stated the solution is to build a regional detention facility which will be built in three phases that have already been presented. Phase I is to be built by the City. Phase II LUR. Phase III Caterpillar Tractor Inc.

It uses property currently owned by LUR and Caterpillar Tractor to detain the already existing problem. Presentation continued and is on file. Discussion continued.

Phase III will be built as they develop. Caterpillar is retaining the rights to enlarge the Phase I pond to meet their development needs. Hubert asked if this would occur as they developed. Answer - yes.

Nola Gentry asked how wide is Phase I? Mike Peterson stated about 100 feet. Hubert asked how deep? Mike Peterson stated the maximum depth in the whole basin is 8 feet, and a 7 foot chain length fence is around Phase II. Mr. Hoffman stated there would be a fence because of the requirement to the ordinance. Hubert asked how much water would it hold. Mike Peterson stated there is 18 acre feet in Phase I, 16 acres feet Phase II, and 26 acre feet in Phase III. Hubert asked if they are talking about carrying water in that at all times. Mike Peterson stated there will be a flow of water because of the Layden ditch to the north which brings water across from McCarty Lane down through the system. It is not actually a wet bottom pond, it is a ditch that will be used to detain.

Stewart Kline stated the city will have ownership of the entire property Phase I, Phase II, and Phase III properties. LUR will install the maintenance road in the Phase II pond and fence in that section. City will install the fence, the ultimate ownership and maintenance will be the city for the entire project.

Nola J. Gentry asked if there were some down stream problems that this is going to create? Michael Spencer stated this should help down stream property because they are making a regional facility. Currently there are some flooding problems along McCarty Lane. The pipe going into the Wilson branch is not going to change from what it is today as a certain capacity. Nola asked, then this would be a controlled. Michael stated it will be controlled by the existing pipes. Mr. Hoffman asked if this storage was going to help on the storage that is needed on the Wal-Mart project and on the Wilson (below)? Is it going to assist in our need there for the whole Elliott ditch system storage. Michael stated it will help, it is not connected with the Wal-Mart other than they both drain to the Wilson branch. They are not going to take water away from one and the other. The Caterpillar area when it is developed it will come south instead of going east. Technically it is going to help, it is not going to create any additional problems. Mr. Hoffman asked if this storage will help on the storage problem at Elliott ditch that has been talked about at Ivy Tech? Michael stated at this time it won't make a difference.

Hubert asked how big of pipe is it that is coming out of there going to Wilson ditch?
Answer - 48 inch.

Stewart Kline stated at this time the outfall will be reduced. The pipe that outfalls to the Wilson is capable of discharging 108 cfs. What happens now that there is like road way flooding on surface. Water isn't taken into the tile and spills out over land and kind of floods the properties along Creasey and gets into the Wilson. This is an additional 100 cfs plus the will be integrated into the system and stopped. Won't have that surface flow condition that you have now, everything will be held and the release will be held to the capacity of the existing tile. It will still be the 48 inch pipe with 108 cfs. They will eliminate the run around that happens now where all the surface flow seeps and eventually gets down to the Wilson, that will all be trapped by the LUR development and the roadway. This will bring it into the pond and still hold the water way to the 108 cfs, this should be improved with the downstream.

Michael Spencer stated when Caterpillar develops it will be rerouted and the water will come south instead of going east into Treece.

Mr. Hoffmans asked if this required Core of Engineer approval. Answer - No.

Don Sooby, City Engineer stated this is the project the City has been working quite some time. They are getting close to right of way acquisition and hope to complete getting those by the end of 1991. Hopefully in 1992 get the project program for Federal funds for construction work to begin. They have worked with Caterpillar and LUR in developing this regional detention pond to the benefit of the whole drainage area. On behalf of the city he encourage the drainage board approval at the earliest opportunity on this project.

Stewart Kline stated the project has been reviewed the county drainage consultant. The pond itself and the watershed analysis and there is no problem with the water construction capacity. The consultant is wanting at this point is that this being a fairly large shed and the master model that is being developed by Burke and Associates for the Elliott system. They want to be able to bring this into their master model since it is significant.

Ilene Dailey, drainage consultant stated that would help answer some of the questions in regards of what affect this would have on other basins. Stewart Kline stated it will increase the accuracy of the model we are looking at a 2 hour storm event and they are looking at a 24 hour storm event. That controls for the Elliott as a whole, but does not control for us, so what we have to do to provide for them or work with them in some manner in updating their report as to convert this model to the 24 for the master. He thinks as far as the design for this, there is a consensus that this is where it stands, and this is what is good for the Kepner ditch watershed.

Hubert Yount asked at Navco and Farbee problem does it all go into this watershed? Yes.

Discussion and presentation continued.

Jim Shook representing LUR recommended approval at the right time.

Michael stated this project will be on the agenda of the February, 1991 meeting.

Mr. Hoffman asked if notices had been mailed to property owners? Per Kline notices had been sent stating this would be presented at todays meeting, but no action would be taken, copies of these letters are in the file.

Michael stated that basically the same pipes are being used that are there now, not changing, and there is no assessments.

WETLANDS - 1990 USDA

Michael Spencer presented copies of information on Wetlands - 1990 USDA. Discussion of Wetlands. Michael asked Mr. Hoffman how this affects the drainage board in regards to Maintenance and Reconstruction. Mr. Hoffman will check into this and brush burning. He has written legislatures in regards to brush burning, and he will check on Michaels concern in regards to the reconstruction schedules. Mr. Hoffman stated we all should write our legislatures in regards to these two subjects. He will make a report to the board as soon as he has an answer.

There being no further business, Hubert Yount moved to adjourn the meeting at 10:05 A.M.

Nola J. Gentry
Nola J. Gentry, Chairman

Keith E. McMillin
Keith E. McMillin, Board Member

Hubert D. Yount
Hubert D. Yount

Attest: Maralyn O. Turner
Maralyn O. Turner, Executive Secretary

ACTIVE AND INACTIVE DITCHES

Mr. Hoffman read the following ditches to be made active for the year 1991 J. A. Kuhns, Ray Skinner, Gustav Swanson, Charles E. Daugherty, John Hoffman and Shawnee Creek. A letter from White County Surveyor was read to collect maintenance assessments on the Emmet Rayman ditch for 1991. Keith E. McMillin moved to make these ditches active for assessment in the year 1991, seconded by Hubert D. Yount, unanimously approved.

The following ditches were made Inactive for the year 1991 John Blickenstaff, O. J. Byers and Beutler/Gosma, Keith E. McMillin moved to make these ditches inactive, seconded by Hubert D. Yount, unanimously approved.

**TIPPECANOE COUNTY DRAINAGE BOARD
REGULAR MEETING
FEBRUARY 5, 1992**

The Tippecanoe County Drainage Board met Wednesday, February 5, 1992 in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana with Keith E. McMillin calling the meeting to order.

Those present were: Keith E. McMillin, Chairman, Nola J. Gentry and Hubert Yount, Tippecanoe County Commissioners, Michael J. Spencer, County Surveyor, Ilene Dailey, Chris Burke Consulting Engineers, J. Frederick Hoffman, Drainage Board Attorney, and Dorothy M. Emerson, Executive Secretary Drainage Board.

The first item on the agenda was to approve to the minutes of the meeting for the last Drainage Board meeting on January 8, 1991. Nola Gentry moved to approve the minutes, seconded by Hubert Yount. Unanimously approved.

CARROLL COUNTY JOINT DRAIN

Mike Spencer, County Surveyor stated Keith McMillin and Hubert Yount needed to be appointed to the Carroll County Joint Drain for the Andrew and Mary Thomas Drains.

Nola Gentry motioned to appoint Keith McMillin and Hubert Yount to the Carroll County Joint Drain for the Andrew and Mary Thomas Drains.

Hubert Yount, seconded. Motion carried.

DRAINAGE BOARD ATTORNEY CONTRACT

Mike presented the Board with a contract for the Drainage Board Attorney J. Frederick Hoffman, that needed to be executed for 1992.

Hubert Yount moved to approve the contract between Tippecanoe County Drainage Board and J. Frederick Hoffman as Attorney for said group.

Nola J. Gentry, seconded. Motion carried.

ACTIVE AND INACTIVE DITCHES

Nola Gentry moved to include the active and inactive ditches into the February minutes and mail the appropriate notices to the surrounding counties. Hubert Yount, seconded. Motion carried.

The following is a list of the active and inactive ditch assessment list for 1992.

DRAINAGE BOARD ASSESSMENT LIST				
DITCH No.	DITCH	TOTAL 4 YEAR ASSESSMENT	1991	1992
1	Amstutz, John	\$5,008.00	Inactive	Inactive
2	Anderson, Jesse	\$15,675.52	Active	Active
3	Andrews, E.W.	\$2,566.80	Active	Active
4	Anson, Delphine	\$5,134.56	Active	Active
5	Baker, Dempsey	\$2,374.24	Inactive	Inactive
6	Baker, Newell	\$717.52	Inactive	Inactive
7	Ball, Nellie	\$1,329.12	Inactive	Inactive
8	Berlovitz, Juluis	\$8,537.44	Inactive	Inactive
9	H W Moore Lateral (Benton Co)			Active
10	Binder, Michael	\$4,388.96	Active	Active
11	Blickenstaff, John	\$7,092.80	Inactive	Inactive
12	Box, NW	\$11,650.24	Inactive	Inactive
13	Brown, A P	\$8,094.24	Active	Active
14	Buck Creek (Carroll Co)		Active	Inactive
15	Burkhalter, Alfred	\$5,482.96	Inactive	Active
16	Byers, Orrin	\$5,258.88	Inactive	Inactive
17	Coe, Floyd	\$13,617.84	Inactive	Inactive
18	Coe, Train	\$3,338.56	Active	Inactive
19	Cole, Grant	\$4,113.92	Inactive	Inactive
20	County Farm	\$1,012.00	Active	Active
21	Cripe, Jesse	\$911.28	Inactive	Inactive
22	Daughtery, Charles E.	\$1,883.12	Active	Active
23	Devault, Fannie	\$3,766.80	Inactive	Inactive
25	Dunkin, Marion	\$9,536.08	Inactive	Inactive
26	Darby, Wetherill (Benton Co)		Active	Active
27	Ellis, Thomas	\$1,642.40	Active	Inactive
28	Erwin, Martin V	\$656.72	Inactive	Inactive
29	Fassnacht, Christ	\$2,350.56	Inactive	Inactive
30	Fugate, Elijah	\$3,543.52	Inactive	Inactive
31	Gowen, Issac (White Co)		Inactive	Active
32	Gray, Martin	\$6,015.52	Active	Inactive
33	Grimes, Rebecca	\$3,363.52	Inactive	Inactive
34	Hafner, Fred	\$1,263.44	Active	Active
35	Haywood, E.F.	\$7,348.96	Active	Active
36	Haywood, Thomas	\$2,133.12	Active	Active
37	Harrison, Meadows	\$1,532.56	Inactive	Inactive
39	Inskeep, George	\$3,123.84	Inactive	Inactive
40	Jakes, Lewis	\$5,164.24	Inactive	Inactive
41	Johnson, E. Eugene	\$10,745.28	Inactive	Inactive

41 Johnson, E. Eugene	\$10,745.28	Inactive	Inactive
42 Kellerman, James	\$1,043.52	Active	Inactive
43 Kerschner, Floyd	\$1,844.20	Inactive	Inactive
44 Kirkpatrick, Amanda	\$2,677.36	Inactive	Inactive
45 Kirkpatrick, Frank	\$4,226.80	Active	Inactive
46 Kirkpatrick, James	\$16,637.76	Inactive	Active
47 Kuhns, John A	\$1,226.96	Active	Inactive
48 Lesley, Calvin	\$3,787.76	Inactive	Active
50 McCoy, John	\$2,194.72	Inactive	Inactive
51 McFarland, John	\$7,649.12	Active	Inactive
52 McKinny, Mary	\$4,287.52	Inactive	Inactive
53 Mahin, Wesley	\$3,467.68	Active	Active
54 Marsh, Samuel (Montgomery Co)		Inactive	Inactive
55 Miller, Absalm	\$3,236.00	Inactive	Active
56 Montgomery, Ann	\$4,614.56	Active	Inactive
57 Morin, F.E.	\$1,434.72	Active	Active
58 Motsinger, Hester	\$2,000.00	Active	Active
59 O'Neal, J. Kelly	\$13,848.00	Active	Active
60 Oshier, Aduley	\$1,624.88	Active	Active
61 Parker, Lane	\$2,141.44	Inactive	Active
62 Parlon, James	\$1,649.96	Inactive	Active
63 Peters, Calvin	\$828.00	Inactive	Inactive
64 Rayman, Emmett (White Co)		Active	Active
65 Resor, Franklin	\$3,407.60	Inactive	Active
66 Rettereth, Peter	\$1,120.32	Inactive	Inactive
67 Rickerd, Aurther	\$1,064.80	Inactive	Inactive
68 Ross, Alexander	\$1,791.68	Inactive	Inactive
69 Sheperdson, James	\$1,536.72	Inactive	Inactive
70 Saltzman, John	\$5,740.96	Inactive	Inactive
71 Skinner, Ray	\$2,713.60	Active	Active
72 Smith, Abe	\$1,277.52	Active	Active
73 Southworth, Mary	\$558.08	Active	Active
74 Sterrett, Joseph C	\$478.32	Inactive	Active
75 Stewart, William	\$765.76	Inactive	Active
76 Swanson, Gustav	\$4,965.28	Active	Active
77 Taylor, Alonzo	\$1,466.96	Inactive	Inactive
78 Taylor, Jacob	\$4,616.08	Inactive	Inactive
79 Toohy, John	\$542.40	Inactive	Inactive
81 VanNatta, John	\$1,338.16	Inactive	Inactive
82 Wallace, Harrison B.	\$5,501.76	Inactive	Inactive
83 Walters, Sussana	\$972.24	Inactive	Inactive
84 Walters, William	\$8,361.52	Active	Active
85 Waples, McDill	\$5,478.08	Inactive	Active
86 Wilder, Lena	\$3,365.60	Inactive	Inactive
87 Wilson, Nixon (Fountain Co)		Inactive	Inactive
88 Wilson, J & J	\$736.96	Inactive	Inactive
89 Yeager, Simeon	\$615.36	Active	Active
90 Yoe, Franklin	\$1,605.44	Inactive	Inactive
91 Dickens, Jesse	\$288.00	Inactive	Inactive
92 Jenkins	\$1,689.24	Inactive	Inactive
93 Dismal Creek	\$25,420.16	Active	Active
94 Shawnee Creek	\$6,639.28	Active	Active
95 Buetler/Gosma	\$19,002.24	Inactive	Active
96 Kirkpatrick One	\$6,832.16	Active	Inactive
97 McLaughlin, John	\$0.00	Inactive	Inactive
98 Hoffman, John	\$72,105.03	Active	Active
99 Brum, Sarah (Benton Co)		Active	Active
100 S.W.Elliott	\$227,772.24	Active	Active

DISCUSSION ON TILE BIDS

Mike Spencer presented a tile bid that had been inadvertently returned to the bidder. Fred Hoffman opened the bid.

Mike stated he had received two proposals for Professional Services on the Berlovitz Watershed Study, one from Christopher Burke Engineering and one from Ticen, Schulte and Associates. Mike recommended Christopher Burke Engineering the lowest bidder.

Nola moved to approve the proposal from Christopher Burke Engineering for the Berlovitz Ditch Study. Hubert, seconded. Motion carried.

JOHN HOFFMAN DRAIN

Mike stated to the Board that work will be done on the Hoffman Drain at a cost less than \$25,000.00. Since it was under \$25,000.00 Mike requested quotes be done on the project rather than bids since quotes are faster.

Mike read the proposal into the minutes.

TO WHOM IT MAY CONCERN:

The Tippecanoe County Drainage Board is interested in taking quotes for maintenance work on the John Hoffman Ditch, beginning at the tile outlet which is located along County Road 900 East just north of State Road 26 East.

Work will consist of dredging approximately 1000 feet of channel down stream of the tile outlet, cleaning out road culvert under 900 East. Then clearing trees over and along the tile for some 4000 feet to the east.

After the clearing all tile holes will be fixed and or wide joints patched, then the waterway over the tile will be graded as directed by the Surveyor. When all work is completed all disturbed areas will be seeded.

There will be a pre-quote site visit held at the site on February 19th, 1992 at 9:00 am.

Written quotes will be on a per foot basis for dredging, clearing and grading of waterway.

Tile repair will be on time and material basis. Seeding will be lump sum.

Quotes will be due on March 4th at 11:00 am in the Tippecanoe County Auditors Office.

For further information please contact the Tippecanoe County Surveyor, Mike Spencer at 423-9228.

Discussion followed.

Hubert Yount moved to accept quotes for the John Hoffman Drain. Nola, seconded. Motion carried.

HADLEY LAKE DRAIN

Mike stated that West Lafayette Wetland Delineation Study will be done on February 15. We need to have that before we advertise for the proposals for engineering work.

PINE VIEW FARMS

Roger Kottowski, Weitzel Engineering and Tom Stafford, Melody Homes presented their drainage plans for Pine View Farms to the Drainage Board.

Discussion followed.

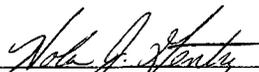
Mike Spencer recommended preliminary approval to the Board.

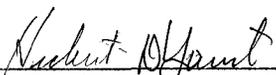
Nola moved to grant preliminary approval contingent on completion of restrictions and receipt of the recorded easements or agreements.

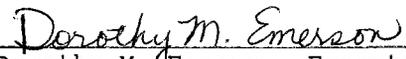
Hubert Yount, seconded. Motion carried.

Being no further business, Hubert Yount moved to adjourn the Drainage Board meeting. The next regular scheduled meeting will March 4 at 8:30 AM and will reconvene at 11:00 AM for quotes on the John Hoffman Drain.


Keith E. McMillin, Chairman


Nola J. Gentry, Member


Hubert D. Yount, Member

ATTEST: 
Dorothy M. Emerson, Executive Secretary

**TIPPECANOE COUNTY DRAINAGE BOARD
REGULAR MEETING
MARCH 4, 1992**

The Tippecanoe County Drainage Board met Wednesday, March 4, 1992 in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana with Keith E. McMillin calling the meeting to order.

Those present were: Keith E. McMillin, Chairman, Nola J. Gentry and Hubert Yount, Tippecanoe County Commissioners, Michael J. Spencer, County Surveyor, Ilene Dailey, Chris Burke Consulting Engineers, J. Frederick Hoffman, Drainage Board Attorney, and Dorothy M. Emerson, Executive Secretary Drainage Board.

The first item on the agenda was to approve to the minutes of the meeting for the last Drainage Board meeting on February 5, 1992. Hubert Yount moved to approve the minutes, seconded by Keith McMillin. Unanimously approved.

WESTON WOODS

Mike Spencer, County Surveyor asked the board to set a special meeting date for the week of March 16. The County Highway has not had time to complete their review.

The meeting will be Wednesday, March 18, 1992 at 9:00 a.m.

PRAIRIE OAKS SUBDIVISION

Dale Koons presented his plans to the Board for Prairie Oaks Subdivision.

Discussion followed.

Fred Hoffman, Drainage Board Attorney asked if this will take the water off the land in violation of the ordinance as written?

Discussion followed.

Mike recommended approval on two conditions; Erosion control and Construction plans.

Hubert Yount moved to approve the plans for Prairie Oak Subdivision subject to Mike Spencer's condition of Erosion Control and Construction Plans. Nola Gentry seconded. Motion carried.

Hubert Yount moved to recess the meeting until 11:00 a.m. when bids will be received for the Hoffman Ditch. Nola Gentry seconded. Motion carried.

QUOTES FOR THE JOHN HOFFMAN DITCH

Keith McMillin, Chairman reconvened the meeting at 11:00 a.m. to receive quotes for the John Hoffman Ditch.

Nola read the quotes:

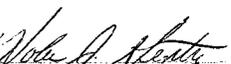
Jim Noland & Sons	21,970.00
F & K Construction	13,594.50
Dwenger	19,100.00
Merkel Excavating	16,800.00
Ridenour	14,750.00
Jim Eddy & Sons	19,250.00
Hoosier Pride	14,785.00

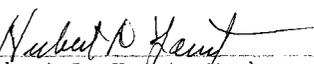
Nola moved to take the bids under advisement. Hubert seconded. Motion carried.

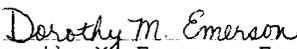
Nola moved to adjourn the Drainage Board meeting, seconded by Hubert Yount. Motion carried.

The next Drainage Board meeting will be March 18, 1992 at 9:00 a.m.


Keith E. McMillin, Chairman


Nola J. Gentry, Member


Hubert D. Yount, Member

ATTEST: 
Dorothy M. Emerson, Executive Secretary

TIPPECANOE COUNTY DRAINAGE BOARD
SPECIAL MEETING
MARCH 18, 1992

The Tippecanoe County Drainage Board met in a Special Meeting held Wednesday, March 18, 1992 in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana with Keith E. McMillin calling the meeting to order.

Those present were: Keith E. McMillin, Chairman and Hubert Yount, Tippecanoe County Commissioners, Michael J. Spencer, County Surveyor, Ilene Dailey, Chris Burke Consulting Engineers, J. Frederick Hoffman, Drainage Board Attorney, and Dorothy M. Emerson, Executive Secretary Drainage Board.

The first item on the agenda was to approve to the minutes of the meeting for the last Drainage Board meeting on March 4, 1992. Hubert Yount moved to approve the minutes, seconded by Keith McMillin. Unanimously approved.

WESTON WOODS

Paul Coats, C & S Engineering presented the drainage plans for the Weston Woods Subdivision.

Discussion followed.

Mike Spencer, County Surveyor stated to the Board that Chris Burke and Ilene Dailey of Christopher Burke Engineering Ltd. recommended approval.

Discussion followed.

Fred Hoffman, Drainage Board Attorney stated they would have to get a variance to allow the standing waters on lots.

Discussion followed.

Richard A. Moore, a member of the audience voiced his concerns about new development in the area.

Leah B. Albreghts, a member of the audience expressed her concerns about who would be responsible for keeping the area clean for the holding pond.

Discussion followed.

Mr Hoffman asked if there would be restrictions on the landowners not to fill in their backyards.

Mr. Coats stated that it would be part of the covenant and restrictions for the homeowners.

Discussion followed.

Hubert Yount moved to grant final approval subject to the following conditions:

- Covenant restriction by the developer for no basements on any lots adjoining retention basin or basins.
- Restrictions that the lot owners shall be responsible for maintaining the drainage grade plan.

The plat shall show the maximum high water elevation reflecting maximum high water depth.

All conditions are subject to Mike Spencer and Fred Hoffman's approval.

The Board is here by granting a waiver from Section 14 (f) subparagraph 13 in the Tippecanoe County Drainage Ordinance. Mr. McCauley will have a letter requesting that to our Drainage Board Attorney by 1:00 PM today.

Keith McMillin seconded. Motion carried.

QUOTES FOR THE HOFFMAN DRAIN

Mike Spencer recommended signing the proposal from F & K Construction from Flora for a total of \$13,594.50.

Discussion followed.

Hubert Yount moved to approve the proposal from F & K Construction, Inc. from Flora, Indiana for Maintenance on the John Hoffman Drain. Said proposal dated March 4, 1992.

Keith McMillin seconded. Motion carried.

MEETING DATE CHANGED

Mike Spencer requested the April meeting date be changed from April 1, 1992 to April 15, 1992.

Hubert moved to change the April meeting date from April 1 to April 15.

Keith seconded. Motion carried.

Being no further business, Hubert moved to adjourn the Drainage Board Meeting. Seconded by Keith. Motion carried.

The next scheduled Drainage Board Meeting is April 15, 1992 at 8:30 AM.

Keith E. McMillin
Keith E. McMillin, Chairman

Nola J. Gentry
Nola J. Gentry, Member

Hubert D. Yount
Hubert D. Yount, Member

ATTEST: Dorothy M. Emerson
Dorothy M. Emerson, Executive Secretary

Tippecanoe County Drainage Board
Minutes TRANSCRIPT
Regular Meeting
January 6, 1993

The Tippecanoe County Drainage Board met Wednesday, January 6, 1993 in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana, with Nola Gentry calling the meeting to order for the re-organization of the Board. She then turned it over to J. Frederick Hoffman, Drainage Board Attorney to preside.

Those present were: Nola J. Gentry, Hubert Yount, Bill Haan, Tippecanoe County Commissioners, Michael J. Spencer, County Surveyor, Ilene Dailey, Christopher Burke Consulting Engineer, J. Frederick Hoffman, Drainage Board Attorney, Hans Peterson, Paul Elling, Project Engineers SEC Donohue, Greg Griffith, Great Lakes Chemical Corporation, Josh Andrews, West Lafayette Development Director, Opal Kuhl, West Lafayette City Engineer, and Shelli Hoffine Drainage Board Executive Secretary.

J. Frederick Hoffman, Drainage Board Attorney asked for nominations from the floor for the Board President. Commissioner Gentry nominated Commissioner Haan for President, seconded by Commissioner Yount. Unanimously approved.

Mr. Hoffman then turned the meeting over to Commissioner Haan to preside over the remainder of the meeting.

Commissioner Haan asked for nominations from the floor for the Board Vice President. Commissioner Haan nominated Commissioner Gentry for Vice President, seconded by Commissioner Yount. Unanimously approved.

Commissioner Haan asked for nominations from the floor for the Board Executive Secretary. Commissioner Gentry nominated Shelli Hoffine for Executive Secretary, seconded by Commissioner Yount. Unanimously approved.

The first item on the agenda was to approve the minutes of the meeting for the Drainage Board meeting on December 2, 1992. Hubert Yount moved to approve the minutes of December 2, 1992, seconded by Commissioner Gentry. Unanimously approved.

Hire the Attorney

Commissioner Gentry moved to appoint J. Frederick Hoffman as Attorney for the Drainage Board, seconded by Commissioner Yount. Motion carried.

Active and Inactive Ditches for 1993

Mr. Hoffman suggested putting the active and inactive ditches in the January minutes. Mr. Hoffman also read them aloud to the Board.

ACTIVE DITCHES

<u>Number</u>	<u>Names</u>
2	Anderson, Jesse
3	Andrews, E.W.
4	Anson, Delphine
9	See #103
12	Box, N.W.
13	Brown, Andrew
18	Coe, Train
20	County Farm
22	Daughtery, Charles
26	Darby, Wetherill (Benton Co.)
29	Fassnacht, Christ
34	Haffner, Fred
35	Haywood, E.F.
37	Harrison Meadows
38	Ilgenfritz, George (combined with Dismal)
45	Kirkpatrick, Frank
46	Kirkpatrick, James
48	Lesley, Calvin
49	Lucas, Luther (combined with Dismal)
53	Mahin, Wesley
55	Miller, Absalom
57	Morin, F.E.
58	Motsinger, Hester
59	O'Neal, J. Kelly
60	Oshier, Aduley
61	Parker Lane
62	Parlon, James, (combined with Shawnee)
65	Resor, Franklin
71	Skinner, Ray
72	Smith, Abe
73	Southworth, Mary
74	Sterrett, Joseph C.
76	Swanson, Gustav

- 84 Walters, William
- 89 Yeager, Simeon
- 91 Dickens, Jesse
- 93 Dismal Creek
- 94 Shawnee Creek
- 95 Buetler, Gosma
- 98 See #101
- 99 See #102
- 100 Elliott, S.W.
- 101 Hoffman, John
- 102 Brum, Sophia (Benton Co)
- 103 Moore H.W. (Benton Co)

INACTIVE DITCHES

<u>Number</u>	<u>Names</u>
1	Amstutz, John
5	Baker, Dempsey
6	Baker, Newell
7	Bell, Nellie
8	Berlovitz, Julius
10	Binder, Michael
11	Blickenstaff, John M.
14	Buck Creek (Carroll Co.)
15	Burkhalter, Alfred
16	Byers, Orin J.
17	Coe, Floyd
19	Cole Grant
21	Cripe, Jesse
23	Devault, Fannie
24	Deer Creek
25	Dunkin, Marion
27	Ellis, Thomas
28	Erwin, Martin
30	Fugate, Elijah
31	Gowen, Isaac (White Co.)
32	Gray, Martin
33	Grimes, Rebecca
36	Haywood, Thomas
39	Inskeep, George
40	Jakes, Lewis
41	Johnson, E. Eugene
42	Kellerman, James
43	Kerschner, F.S.
44	Kirkpatrick, Amanda
47	Kuhns, John
50	McCoy, John
51	McFarland, John
52	McKinney, Mary
54	Marsh, Samuel (Montgomery Co)
56	Montgomery, Ann
63	Peters, Calvin
64	Rayman, Emmett (White Co.)
66	Rettereth, Peter
67	Rickerd, Arthur
68	Ross, Alexander
69	Sheperdson, J.A.
70	Saltzman, John
75	Stewart, William
77	Taylor, Alonzo
78	Taylor, Jacob
79	Toohey, John
81	Van Natta, John
82	Wallace, Harrison
83	Walters, Sussana
85	Waples, McDill
86	Wilder, Lena
87	Wilson, Nixon (Fountain Co.)
88	Wilson, J & J
90	Yoe, Franklin
92	Jenkins
96	Kirpatrick One
97	McLaughlin, John

Storm Water Drainage Improvement Plan

Hans Peterson and Paul Elling from SEC Donohue presented the Stormwater Drainage Improvement Plan for the Cuppy-McClure watershed. Mr. Peterson discussed the project overview and objectives, project design criteria and constraints, hydrologic/hydraulic analysis, alternative improvements and recommendations, permits, and the schedule.

Mr Peterson discussed the alternative improvements.

Alternative #1 Low flow pipe and high flow channel.

The cost of the low flow pipe and high flow channel - \$930,000.00

The pipe in this alternative would be two to three feet deep under the ground from the Celery Bog to U.S. 52 then opens up and flows under US 52 with the existing pipe, then drops down into another pipe and flows on down to Hadley Lake.

Mr. Hoffman asked how big the pipe would be?

Mr. Peterson answered the pipe ranges in size from 36 inches to 42 inches.

Alternative #2 All pipe improvements.

The cost of all pipe improvements - \$1,570,000.00

Pipe size ranges from 54 inches to 60 inches.

This alternative would run completely under the ground from Celery Bog to Hadley Lake that is the main reason for the high cost. Mr. Peterson said this would look the nicest after it is complete.

Alternative #3 All channel improvements.

The cost of all channel improvements - \$755,000.00

This alternative does not have any pipe. It is a standard open channel all the way from Celery Bog down to Hadley Lake. There would have to be a concrete lining treatment at the bottom of the channel.

Mr. Peterson recommended alternative was #1 the low flow pipe and high flow channel.

Mr. Hoffman asked on these changes of easement are they giving and taking from the same landowners or taking from some landowners and giving others?

Mr. Peterson said based on the assessment map that we have, it is generally give and take on the same properties except for one parcel. Parcel #13 looks like we are taking.

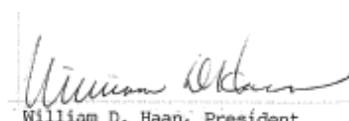
Mr. Hoffman assumed there will be a petition for reconstruction to make those changes in easement.

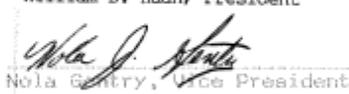
Commissioner Gentry answered there will be a reconstruction hearing.

Discussion followed.

Bening no further business Commissioner Gentry moved to adjourn until February 3, 1993 at 8:30 a.m., seconded by Hubert Yount.

Meeting adjourned.


William D. Haan, President


Nola Gentry, Vice President


Hubert Yount, Member

ATTES: 
Shelli Hoffine, Executive Secretary

TIPPECANOE COUNTY DRAINAGE BOARD
REGULAR MEETING
JANUARY 5, 1994

The Tippecanoe County Drainage Board met Wednesday January 5, 1994 in the Community meeting room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana with William D. Haan calling the meeting to order.

Those present were: Tippecanoe County Commissioners William D. Haan, Nola J. Gentry, Hubert D. Yount; Tippecanoe County Surveyor Michael J. Spencer; Drainage Board Attorney J. Frederick Hoffman; Drainage Board Engineering Consultant Jon Stolz and Drainage Board Secretary Shelli Hoffine.

ELECTION OF 1994 OFFICERS

Mr. Hoffman asked nominations for the President of the Tippecanoe County Drainage Board. Commissioner Haan nominated Commissioner Gentry, seconded by Commissioner Yount. Unanimously approved.

Mr. Hoffman turned the meeting over to Commissioner Gentry to preside.

Commissioner Gentry asked nominations for Vice President of the Tippecanoe County Drainage Board. Commissioner Gentry nominated Commissioner Haan, seconded by Commissioner Yount. Unanimously approved.

-APPOINTMENTS-

Commissioner Haan moved to appoint Shelli Hoffine for Executive Secretary of the Tippecanoe County Drainage Board, seconded by Commissioner Yount. Unanimously approved.

Commissioner Haan moved to appoint J. Frederick Hoffman as Attorney for the Tippecanoe County Drainage Board pending an agreement of a contract, seconded by Commissioner Yount. Unanimously approved.

Commissioner Yount moved to extend the existing contract into 1994 for Christopher Burke Engineering, LTD. to provide engineering services to the Tippecanoe County Drainage Board pending review of the contract, seconded by Commissioner Haan. Unanimously approved.

-MEETING DATES FOR 1994-

January 5, 1994	July 6, 1994
February 2, 1994	August 3, 1994
March 9, 1994	September 7, 1994
April 6, 1994	October 5, 1994
May 4, 1994	November 2, 1994
June 1, 1994	December 7, 1994

Commissioner Haan moved to accept the meeting dates for the Tippecanoe County Drainage Board, seconded by Commissioner Yount. Unanimously approved.

Commissioner Yount moved approve the minutes from the last Drainage Board meeting held December 1, 1993. Seconded by Commissioner Haan. Unanimously approved.

Joe Bumbleburg asked the Board to approve a resolution for vacation of a drainage easement located on a part of lot 5 in Capilano By the Lake Subdivision, Phase I. The drainage easement ended up in the middle of lot 5 when it was replatted.

Mr. Spencer stated he has been out to the site, Mr. Cunningham of Vester and Associates checked the easement and it definitely will not cause a problem with the lot or any of the adjoining lots. Mr. Spencer recommended the vacation of the drainage easement in lot 5, Capilano By the Lake Subdivision, Phase I.

The petition and the resolution to vacate a portion of a drainage easement on lot 5, Capilano by the lake subdivision, Phase I is on file in the Tippecanoe County Surveyor's Office.

Commissioner Yount moved to approve the resolution to vacate a portion of an easement on lot number 5, Capilano by the Lake Subdivision, Phase I, seconded by Commissioner Haan. Unanimously approved

HAWKS NEST SUBDIVISION, PHASE I

Greg Hall, Intercon Engineering, asked the Board for final approval of Hawks Nest Subdivision, Phase I and the detention ponds for the entire project. Mr. Hall also, requested a variance for exceeding the four foot of depth in Basin A.

Mr. Spencer stated he recommended approval of Phase I and the detention ponds.

Mr. Hall stated there will be eighteen lots in Phase I, one detention basin will be located in this phase.

Commissioner Haan asked if the permits from the IDNR have been processed?

Mr. Stolz stated that the portion that was requiring a permit has been moved from the floodplain and no longer requires a permit.

Commissioner Yount moved to grant the variance to exceed the maximum four foot depth in Basin A, seconded by Commissioner Haan. Unanimously approved.

Commissioner Yount moved to grant final approval of Hawks Nest Subdivision, Phase I and the detention basin for the entire project, seconded by Commissioner Haan. Unanimously approved.

TRIPLE J POINTE SUBDIVISION

Bob Grove, representing Smith Enterprises, asked for preliminary approval of Triple J Pointe Subdivision, which involves fifteen acres with 75 lots, located off Old Romney Road and County Road 250 South. The proposal is to detain the water offsite which will hold seventy two acres of offsite runoff, then take the ten year flow through the subdivision to a basin that will hold the 15 acres of developed subdivision, a pipe will carry the runoff from the basin to an existing structure of Ashton Woods Subdivision detention system. The ditch will be used as overflow for runoff that exceeds the 10 year flow.

Commissioner Yount asked if pipe along Old Romney Road would be in the road right-of-way if so, has the County Highway Department approved a permit for the pipe?

Mr. Grove stated yes, we are proposing to put the pipe in the right-of-way and no, we have not obtained a permit from the Highway Department.

Mr. Spencer stated the Highway Department has a set of plans, but he has not heard a report from them.

Commissioner Yount asked about the use of the pond offsite easement?

Mr. Grove stated that G. Mark Smith will be preparing an agreement for the easement.

Mr. Spencer stated John Fisher did a drainage study of the Wea-Ton drainage area, in the report it shows the watershed area delineated certain runoff values for sub-areas within the watershed area. Ashton Woods kept in compliance with the idea for sub-areas to be within the watershed area, at that time, the Board accepted the idea. Ashton Woods created an outlet for the Wea-Ton watershed area and during construction they have created the outlet channel and incorporated their storage area with Old Romney Heights storage area. In the study, there are recommendation about how water moves to the east as development progresses. A pipe was sized under Old Romney Road at the end of the channel to pick up water to the east. Triple J Pointe Subdivision does not comply with this idea as far as construction of proper pipe size under Old Romney Road to convey the water from the east.

Mr. Grove stated Smith Enterprises asked John Fisher for the drainage study, but were not able to obtain a copy. It was decided to make an alternate route from the project's outlet to go along the east side of Old Romney Road in an easement just outside the right-of-way, provide a manhole and a crossing based on a 10 year predeveloped flow from the Wea-Ton area.

Commissioner Gentry suggested getting a meeting set up between the Commissioners, the Surveyor, Smith Enterprises, Mr. Gloyeske, and Mr. Fisher.

Commissioner Yount moved to continue Triple J Pointe Subdivision with Mr. Grove's consent until after the above meeting has been held, seconded by Commissioner Haan. Unanimously approved.

HARRISON & MCCUTCHEON HIGH SCHOOLS IMPROVEMENTS

Kyle Miller, Triad and Associates, presented the Board with the plans to improve Harrison High School and McCutcheon High School. Harrison and McCutcheon will be adding approximately one acre of roof to the existing structures over what is now parking lot signifying no increase in the volume of runoff for either plan. Harrison's storm sewer pipes run around the perimeter of the school, some of the pipe are undersized and will be replaced along with all new pipe to go around the perimeter of the constructed area. All roof drainage will run into the storm sewer then to an existing pipe and discharge into the **Cole Ditch/"Burnett Creek"**. Mr. Miller indicated a portion of one existing outfall pipe will be replaced and a permit from the IDNR is required for construction in the floodway area.

Commissioner Gentry asked what the design is of the outfall pipe into the creek?

Mr. Miller stated there will an end section on the pipe and that rip-rap will be placed on both sides of the banks.

Mr. Miller explained that McCutcheon High School storm sewer pipes run the perimeter of the existing structure and outlets into the **Wea Creek**. The

improvements will replace what is now asphalt and the storm sewer pipe around the perimeter of the constructed area.

Commissioner Yount moved to approve Harrison High School's final improvement plan subject to the approval of the permit from the IDNR, seconded by Commissioner Haan. Unanimously approved.

Commissioner Yount moved to approve McCutcheon High School's final drainage improvement plan, seconded by Commissioner Haan. Unanimously approved.

ACTIVE DITCHES FOR 1994

Ditch No.	Ditch Name	Four Year Assessment	Balance Fund 94
2	Anderson, Jesse	\$15793.76	\$11549.19
3	Andrews, E.W.	2566.80	987.71
4	Anson, Delphine	5122.56	1365.36
8	Berlovitz, Juluis	8537.44	7288.07
13	Brown, Andrew	8094.24	4625.60
14	Buck Creek (Carroll Co.)		
15	Burkhalter, Alfred	5482.96	4285.72
20	County Farm	1012.00	(994.25)
26	Darby, Wetherill (Benton Co.)		
27	Ellis, Thomas	1642.40	760.68
29	Fassnacht, Christ	2350.56	965.04
31	Gowen, Issac (White Co.)		
33	Grimes, Rebecca	3363.52	3357.75
37	Harrison Meadows	1532.56	-0-
48	Lesley, Calvin	3787.76	1622.08
53	Mahin, Wesley	3467.68	2864.18
54	Marsh, Samuel (Montgomery Co)		
57	Morin, F.E.	1434.72	-0-
58	Motsinger, Hester	2000.00	1090.53
59	O'Neal, J. Kelly	13848.00	7398.17
60	Oshier, Aduley	1624.88	-0-
64	Rayman, Emmett (White Co.)		
67	Rickerd, Arthur	1064.80	842.58
71	Skinner, Ray	2713.60	(64.53)
72	Smith, Abe	1277.52	1053.33
73	Southworth, Mary	558.08	314.04
74	Sterrett, Joseph C.	478.32	-0-
76	Swanson, Gustav	4965.28	(1473.83)
84	Walters, William	8361.52	6716.94
87	Wilson, Nixon (Fountain Co.)		
89	Yeager, Simeon	615.36	342.15
91	Dickens, Jesse	288.00	-0-
93	Dismal Creek	25420.16	86.15
94	Shawnee Creek	6639.28	-0-
95	Buetler, Gosma	19002.24	16368.00
100	Elliott, S.W.	227772.24	76956.82
101	Hoffman, John	72105.03	34631.86
102	Brum, Sophia (Benton Co)		
103	Moore H.W. (Benton Co)		
104	Hadley Lake	65344.56	4402.77
105	Thomas, Mary (Carroll Co)		
106	Arbegust-Young (Clinton Co)		

INACTIVE DITCHES FOR 1994

Ditch No.	Ditch Names	Four Year Assessment	Balance Fund 94
1	Amstutz, John	\$5008.00	\$5566.86
5	Baker, Dempsey	2374.24	2814.71
6	Baker, Newell	717.52	2016.73
7	Bell, Nellie	1329.12	2077.51
10	Binder, Michael	4388.96	5513.73
11	Blickenstaff, John M.	7092.80	7994.87
12	Box, N.W.	11650.24	15333.92
16	Byers, Orin J.	5258.88	7337.50
17	Coe, Floyd	13617.84	18262.88
18	Coe, Train	3338.56	7923.36
19	Cole Grant	4113.92	9940.56
21	Cripe, Jesse	911.28	1557.87
22	Daughtery, Charles	1883.12	2290.95
23	Devault, Fannie	3766.80	7764.58
25	Dunkin, Marion	9536.08	12390.41
28	Erwin, Martin	656.72	1095.68
30	Fugate, Elijah	3543.52	5114.39
32	Gray, Martin	6015.52	8253.80
34	Hafner, Fred	1263.44	1559.07
35	Haywood, E.F.	7348.96	7564.29
36	Haywood, Thomas	2133.12	2799.85
39	Inskeep, George	3123.84	7655.03
40	Jakes, Lewis	5164.24	6026.73
41	Johnson, E. Eugene	10745.28	14592.35
42	Kellerman, James	1043.52	1063.29
43	Kerschner, F.S.	1844.20	4618.29
44	Kirkpatrick, Amanda	2677.36	3110.15
45	Kirkpatrick, Frank	4226.80	4440.35
46	Kirkpatrick, James	16637.76	16816.54
47	Kuhns, John	1226.96	1528.87
50	McCoy, John	2194.72	3182.80
51	McFarland, John	7649.12	8766.27
52	McKinney, Mary	4287.52	5791.10
55	Miller, Absalm	3236.00	5168.30
56	Montgomery, Ann	4614.56	5250.77
61	Parker Lane	2141.44	3261.19
63	Peters, Calvin	828.00	2327.12
65	Resor, Franklin	3407.60	5659.22
66	Rettereth, Peter	1120.32	1975.43
68	Ross, Alexander	1791.68	3895.39
69	Sheperdson, J.A.	1536.72	3609.60
70	Saltzman, John	5740.96	6920.20
75	Stewart, William	765.76	900.58
77	Taylor, Alonzo	1466.96	3447.90
78	Taylor, Jacob	4616.08	6544.52
79	Toohey, John	542.40	1069.50
81	Van Natta, John	1338.16	2714.51
82	Wallace, Harrison	5501.76	6573.81
83	Walters, Sussana	972.24	2061.09
85	Waples, McDill	5478.08	9188.51
86	Wilder, Lena	3365.60	4921.20
88	Wilson, J & J	736.96	5639.22

90	Yoe, Franklin	1605.44	2509.75
92	Jenkins	1689.24	2549.43
96	Kirpatrick One	6832.16	11352.18
97	McLaughlin, John		

OTHER BUSINESS

Mr. Spencer asked if section six, letter F of the Drainage Ordinance, Submittal and Consideration of Plans, could be clarified to clear up questions pertain to the twenty days submittal deadline being twenty working days or twenty calendar days.

Commissioner Yount suggested changing the twenty days to thirty calendar days and requiring a review memo from the County Engineering Consultant to the petitioner, ten days prior to the hearing date.

Mr. Hoffman stated he will write an amendment to the Drainage Ordinance, letter F in section six, Submittal and Consideration of Plans, to change the twenty days submittal to thirty calendars days and the Surveyor will make a report to the petitioners not less than ten days prior to the hearing date.

GREAT LAKES CHEMICAL

Mr. Spencer stated all the landowners along the proposed channel have been informed of the Great Lakes project, the County has a complete set of construction plans, a drainage report, and Army Corp of Engineers permit. The County does not have IDNR or the IDEM, but those have been filed and should be approved soon. Ken Baldwin had some question for insurance reasons on fencing around the sediment basin before the water goes into **Hadley Lake**. The County will contribute \$700,000.00 dollars out of that the County has spent approx \$150,000.00 on Engineering, the Engineer's construction estimate is 1,040,000.00.

Commissioner Gentry asked what the time table is on advertising for reconstruction, and does the project have to be advertised before the bidding or concurrent with the bid process?

Mr. Hoffman stated the advertising has to be done before the bid processing. The County would have to give thirty to forty day notice and then have the hearing, if approved the bidding can go out, all that together would take about three months.

Judy Rhodes asked if there was any legal document showing West Lafayette committing to an agreement of participation in this project?

Commissioner Gentry stated that the County has a signed worksheet by Nola J. Gentry and Mayor Sonya Margerum showing the break down of contribution between the State of Indiana, Tippecanoe County and the City of West Lafayette for Great Lakes Chemical Corporation/**Cuppy McClure** watershed project

Ms. Rhodes asked and received a copy of the worksheet.

Being no further business Commissioner Yount moved to adjourn until February 2, 1994, seconded by Commissioner Haan. Unanimously approved.

TIPPECANOE COUNTY DRAINAGE BOARD
REGULAR MEETING
SEPTEMBER 7, 1994

The Tippecanoe County Drainage Board met Wednesday, September 7, 1994, in the Community Meeting Room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana with Nola J. Gentry calling the meeting to order.

Those present were: Tippecanoe County Commissioners Nola J. Gentry, William D. Haan, Hubert D. Yount; Tippecanoe County Surveyor Michael J. Spencer; Acting Drainage Board Attorney David Luhman; Drainage Board Engineering Consultant Jon Stolz and Drainage Board Secretary Shelli Hoffine.

The first item on the agenda was to approve the minutes from the last Drainage Board Meeting held August 3, 1994, Commissioner Yount moved to approve the minutes, seconded by Commissioner Haan. Motion carried.

WESTRIDGE ESTATES

Richard Fidler, Craig & McKnight Engineers and Architects, represented Mr. Weildbaker who is the current property owner and developer of Westridge Estates, located off Taft Road north of Klondike Road. The proposed Subdivision involves 13 acres and will contain 12 lots. Indian Creek is to the east of the development and is planned to be the outlet for the runoff.

Mr. Weildbaker plans to use 10 acres west of the development for his personal use.

Mr. Fidler asked the Board for two variances:

1. Section 14.f.2 to exceed the four foot depth in a 100 year storm event.
2. The dry-bottom detention pond to be a part of lots 1 and 2.

They requested the first variance to exceed the four foot depth because more trees would have to be removed due to the existing ravine. The second variance was requested because the responsibility of maintenance will be attained by the landowner.

Mr. Spencer recommended final approval with three conditions.

1. The 100 year pool elevation of the pond must be shown on the plans.
2. An emergency spillway must be provided as required by Section 14.f.8 of the Ordinance.
3. Section 14.f.13. states that no residential lots shall be used for any part of a detention basin or for the storage of water. It appears that the current plan includes lot lines that extend into the proposed detention pond.

Commissioner Haan stated the concern of having a dry bottom detention pond as part of lots 1 & 2 is the landowners assume ownership of the property and landscape over the easement restricting the flow.

Commissioner Gentry suggested putting all the pond area in the easement.

Mr. Fidler stated the entire area of the pond is within the easement.

Commissioner Yount moved to grant final approval of Westridge Estates with the two variances and subject to the three conditions, seconded by Commissioner Haan. Motion carried.

Drainage Easement Vacation lot 61, Brookfield Heights

Mr. Spencer presented the Board with a signature page that will acknowledge the approval from the Board to vacate the Drainage Easement in lot 61 of Brookfield Heights Subdivision.

Commissioner Haan moved to acknowledge and recommend Ordinance 94-34-CM, seconded by Commissioner Yount. Motion carried.

Valley Forge Drainage

Richard Chafin, 3920 George Washington Road lot 9, and Joseph Seele, 3932 George Washington Road lot 6, came to the Board to express their concern on the drainage of Valley Forge Subdivision. There are two drains one from Church and another from the intersection of Valley Forge and 9th Street that outlet into a manhole in Mr. Chafin's lot then north through one drain. The system works fine until the single pipe outlets onto the lots north of Mr. Chafin's lot and causes water to stand in their lots. Mr. Chafin wanted to know what the County was going to do about this problem. He suggested putting an open ditch in front of his lot and the adjoining lots to direct the water to the J.N. Kirkpatrick Ditch. Mr. Chafin had heard the County was going to tile the water in the back of his lot and adjoining lots.

Mr. Spencer explained that the County Highway Department has been doing field work and collecting data. The data will help determine what action needs to be taken to correct the drainage problem of Valley Forge.

Commissioner Gentry reassured Mr. Chafin and Mr. Seele there will be notification as to when a discussion on the alternatives to the drainage problem will be held.

Mr. Chafin brought to the Board's attention the easement in the back of his lot. He stated there is a 15' easement, but the pipe is 5' outside the easement.

Commissioner Yount stated the Board is aware of the easement situation, but they do not know the reason the pipe is outside the easement.

ORDINANCE DISCUSSION

Commissioner Gentry suggested getting the various Surveyor/Engineers together to discuss the upcoming changes to the Drainage Board Ordinance. The fee schedule which will incorporate a review time limit of a maximum of 10 hours and the fence issue on a wet bottom basin design.

ROWE TRUCKING AGREEMENT

Mr. Spencer presented the Board with the properly executed Rowe Trucking Agreement, which the Commissioner acknowledged and signed.

CUPPY MCCLURE - up-date

Mr. Spencer informed the Board of a letter he received from J.F. New stating he can do the tree mitigation work for the Cuppy McClure Drain for \$1,300.00.

Commissioner Haan moved to accept the price for the tree mitigation plan, seconded by Commissioner Yount. Motion carried.

Mr. Spencer stated he will send Mr. New a letter letting him know of the Board's acceptance, also ask him for a letter stating the price per hour and he will stay within the agreed cost.

JOHN HOFFMAN DITCH - Easement

Mr. Spencer received a letter from a landowner along the John Hoffman Ditch requesting the easement through his property be reduced from 150 feet to 50 feet. Mr. Spencer felt that the easement reduction should not be granted until the Board knows the tile is in good working order.

being no further business Commissioner Yount moved to adjourn until October 5, 1994, seconded by Commissioner Haan. Motion carried.

DRAINAGE BOARD MINUTES SEPTEMBER 7, 1994 REGULAR MEETING 09/15/9409/06/94

TIPPECANOE COUNTY DRAINAGE BOARD
 REGULAR MEETING
 FEBRUARY 1, 1995

The Tippecanoe County Drainage Board met Wednesday February 1, 1995 in the Community meeting room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana with William D. Haan calling the meeting to order.

Those present were: Tippecanoe County Commissioners William D. Haan, Nola J. Gentry, Gene Jones; Tippecanoe County Surveyor Michael J. Spencer; Drainage Board Attorney pro-tem David Luhman; and Drainage Board Secretary Shelli Muller.

The first item on the agenda was to approve the minutes from the last Drainage Board Meeting held January 4, 1995. Commissioner Gentry moved to approve the minutes, Seconded by Commissioner Jones. Motion carried.

ACTIVE AND INACTIVE DITCH LIST 1995

Mr. Luhman read the active ditch list into the minutes.

Ditch No.	Ditch Name	Four Year Assessment	Balance Fund 94
2	Anderson, Jesse	15793.76	\$15745.45
3	Andrews, E.W.	2566.80	1385.41
4	Anson, Delphine	5122.56	1302.37
13	Brown, Andrew	8094.24	5365.93
14	Buck Creek (Carroll Co.)		
16	Byers, Orrin	5258.88	4453.68
18	Coe Train	3338.56	112.19
20	County Farm	1012.00	(724.45)
26	Darby, Wetherill (Benton Co.)		
27	Ellis, Thomas	1642.40	874.96
29	Fassnacht, Christ	2350.56	630.15
31	Gowen, Issac (White Co.)		
33	Grimes, Rebecca	3363.52	(5780.23)
35	Haywood, E.F.	7348.96	6405.57
37	Harrison Meadows	1532.56	399.99
42	Kellerman, James	1043.52	513.73
46	Kirkpatrick, James	16637.76	13804.40
48	Lesley, Calvin	3787.76	511.43
51	McFarland, John	7649.12	6823.11
52	McKinney, Mary	4287.52	2344.53
54	Marsh, Samuel (Montgomery Co)		
57	Morin, F.E.	1434.72	264.90
58	Motsinger, Hester	2000.00	184.36
59	O'Neal, J. Kelly	13848.00	9902.13
60	Oshier, Aduley	1624.88	429.56
64	Rayman, Emmett (White Co.)		
65	Reser, Franklin	3407.60	(1799.25)
71	Skinner, Ray	2713.60	2003.50
73	Southworth, Mary	558.08	470.62
74	Sterrett, Joseph C.	478.32	120.35
76	Swanson, Gustav	4965.28	(314.21)
87	Wilson, Nixon (Fountain Co.)		
89	Yeager, Simeon	615.36	515.63

91	Dickens, Jesse	288.00	93.96
93	Dismal Creek	25420.16	5408.64
94	Shawnee Creek	6639.28	1004.91
100	Elliott, S.W.	227772.24	95756.64
102	Brum, Sophia (Benton Co)		
103	Moore H.W. (Benton Co)		
104	Hadley Lake	65344.56	15588.62
105	Thomas, Mary (Carroll Co)		
106	Arbegust-Young (Clinton Co)		

Mr. Luhman read the inactive ditch list into the minutes

Ditch No.	Ditch Names	Four Year Assessment	Balance Fund 94
1	Amstutz, John	\$5008.00	\$5797.94
5	Baker, Dempsey	2374.24	2931.55
6	Baker, Newell	717.52	2100.45
7	Bell, Nellie	1329.12	2163.76
8	Berlowitz, Julius	8537.44	9835.71
10	Binder, Michael	4388.96	4844.52
11	Blickenstaff, John M.	7092.80	7352.92
12	Box, N.W.	11650.24	14523.89
15	Burkhalter, Alfred	5482.96	5661.22
17	Coe, Floyd	13617.84	19021.00
19	Cole Grant	4113.92	10353.24
21	Cripe, Jesse	911.28	1622.55
22	Daughtery, Charles	1883.12	2386.04
23	Devault, Fannie	3766.80	8086.91
25	Dunkin, Marion	9536.08	11422.15
28	Erwin, Martin	656.72	1141.16
30	Fugate, Elijah	3543.52	5326.70
32	Gray, Martin	6015.52	6440.23
34	Hafner, Fred	1263.44	1380.75
36	Haywood, Thomas	2133.12	2916.09
39	Inskeep, George	3123.84	7972.80
40	Jakes, Lewis	5164.24	5493.58
41	Johnson, E. Eugene	10745.28	13692.14
43	Kerschner, F.S.	1844.20	4165.28
44	Kirkpatrick, Amanda	2677.36	3239.28
45	Kirkpatrick, Frank	4226.80	4754.52
47	Kuhns, John	1226.96	1592.33
50	McCoy, John	2194.72	3185.39
53	Mahin, Wesley	3467.68	3878.12
55	Miller, Absalm	3236.00	5382.84
56	Montgomery, Ann	4614.56	5468.74
61	Parker Lane	2141.44	3276.36
63	Peters, Calvin	828.00	2423.73
66	Rettereth, Peter	1120.32	2057.43
67	Rickerd, Arthur	1064.80	1148.17
68	Ross, Alexander	1791.68	4057.08
69	Sheperdson, J.A.	1536.72	3759.44
70	Saltzman, John	5740.96	7207.47

72	Smith, Abe	1277.52	1430.16
75	Stewart, William	765.76	937.96
77	Taylor, Alonzo	1466.96	3591.02
78	Taylor, Jacob	4616.08	6759.96
79	Toohy, John	542.40	1113.90
81	Van Natta, John	1338.16	2827.20
82	Wallace, Harrison	5501.76	6195.61
83	Walters, Sussana	972.24	2146.65
84	Walters, William	8361.52	8906.49
85	Waples, McDill	5478.08	9569.95
86	Wilder, Lena	3365.60	5125.49
88	Wilson, J & J	736.96	5873.30
90	Yoe, Franklin	1605.44	2613.93
92	Jenkins	1689.24	2655.25
95	Butler-Gosma	19002.24	20988.51
96	Kirkpatrick One	6832.16	11653.93
97	McLaughlin, John		
101	Hoffman, John	72105.03	55880.51

Mr. Spencer stated the John Hoffman Ditch is on a three year assessment which started in 1991 with a ten dollar an acre assessment. It is now necessary for the Board to schedule a meeting between Clinton, Carroll and Tippecanoe Counties to reduce the assessment.

Commissioner Haan appointed himself and Commissioner Gentry to serve on the Tri County Board.

CHRISTOPHER B. BURKE ENGINEERING CONTRACT

Mr. Luhman stated after reviewing the original contract from Christopher B. Burke Engineering a few items were discussed and changes were made. The contract was revised with one exception on page 6 paragraph 24. The suggested revision was if a contractor was doing work based upon the Engineers plans the contractor would indemnify Burke for any damages to Burke because of the contractors negligence. Also suggested was to include Burke as a named insured on the insurance policy. Mr. Luhman explained the main reason for the suggestion was so the County and Christopher B. Burke Engineering would not be held liable.

Commissioner Gentry moved to approve the contract with Christopher B. Burke Engineering, LTD., and authorize the President of the Board to sign the contract, seconded by Commissioner Jones. Motion carried.

OTHER BUSINESS

Mr. Spencer presented the Board with the reforestation proposal for the Cuppy-McClure Drain, which will comply with the DNR requirements for a 2 to 1 mitigation on tree removal. The Parks Department for the City of West Lafayette suggested sites for the trees replacement. Mr. Spencer explained he wanted the Board to be aware of the progress and that Mr. Ditzler of J.F. New will submit the plan to Dan Ernst of the Indiana Department of Natural Resources.

Being no further business, Commissioner Gentry moved to adjourn until March 1, 1995, seconded by Commissioner Jones. Meeting adjourned.

TIPPECANOE COUNTY DRAINAGE BOARD
REGULAR MEETING
OCTOBER 4, 1995

The Tippecanoe County Drainage Board met Wednesday, October 4, 1995, in the Commissioners Meeting Room of the Tippecanoe County Courthouse, Lafayette Indiana, with William D. Haan calling the meeting to order.

Those present: Tippecanoe County Commissioners William D. Haan, Nola J. Gentry and Gene Jones, Tippecanoe County Surveyor Michael J. Spencer, Drainage Board Attorney J. Frederick Hoffman, Drainage Board Consultant David Eichelberger, and acting Secretary Anna Rumble.

RIVER BIRCH TRACE SUBDIVISION

Bob Grove asked for final approval of River Birch Trace Subdivision. Bob showed a map of the detention area along Klondike Road. The existing pipe is 27 inches and will be replaced with a 27 inch pipe. They will put two grates in there since they are going to be higher, to catch any water that might come up. Mike mentioned that there had been several things come up on this proposed development, one is this off site pipe that crosses through the site and Mike asked bob to locate it and get elevations and he's done that. They are going to have a grade conflict between their system and the trailer park. To get around that he's proposed to run that pipe into his basin and run another pipe out. Bob Gross is here to represent the owner of the trailer park, and he stated that the owner of the trailer park currently believes that they have exclusive rights to that pipe, that is their easement and their pipe. He doesn't believe there should be anything built over that pipe. Mike asked if he understood that they are going to replace it entirely. Mr. Hoffman stated that we need to get the owner of the trailer park in and have another hearing and explain to him and he has to have a notice by certified mail. Mr. Gross stated that they already have drainage problems in the trailer park and that was why he was hired, Nola moved that we continue this until next month, November 8, pending notice of the adjoining landowners, Vanco. Motion passed. Bob Grove will meet with the landowner and see if they can work things out, then if he wants to meet earlier than November 8, he'll get with Mike to set up a special meeting.

ABBEY MARIE APARTMENTS

Bob Grove asked for preliminary approval of Abbey Marie Apartment complex on 4.15 acres located north of SR 25 and west of South Beck Lane next to Dehaai Industrial. There is to be 44 apartments. There is no tiles or ditch, it's grass swale now. They are proposing to build a dike along the northwest corner and collect the water and detain it in this area.

Discussion followed.

Nola moved to grant preliminary approval of Abbey Marie Apartments. Motion carried.

HARTMAN RIDGE SUBDIVISION

Russell Ticen presented a map of drainage of the area around the proposed subdivision which is in the John Hartman Estate now, and is being annexed into the City of West Lafayette. They will take the water to the street putting in extra catch basins so they don't have a problem with water in the street. They are here for a waiver of detention storage as the ordinance calls for detention

on every site, but this property has a very deep ravine. There is already a 30" metal pipe under the roadway. Mike mentioned that this is one of the last pieces of property tributary to that ravine to be developed. No other development in the area has storage, they are all pre-ordinance, pre-existing developments.

Nola moved that we approve a waiver of on site detention storage for Hartman Ridge Subdivision. Gene seconded, motion passed.

OTHER BUSINESS

O'FERRALL POND PETITION

The O'Ferrall estate is in the process of preparing a petition to make the pond by Meijer a regulated drain.

ANDY ROYER EASEMENT REDUCTION

At our last meeting Mike discussed the request of Robert Royer for easement reduction on a portion of the John Hoffman Drain. The land is located at 706 North, East County Line Road and Mike has a legal description for that piece of ground. He asked for this in the spring and we had not done our maintenance work across that piece of property so he was reluctant to reduce it at that point. Now the maintenance work is done and Mike does not see a problem with reducing that easement to 25 feet each side for a total of 50 feet. Action was not taken before because Mike did not have the legal description to put into the minutes. Mr. Hoffman stated that we need to approve the reduction.

Nola moved to approve the reduction that is described in the legal description on the Hoffman Ditch for Andrew Royer at 706 NE County Line Road. Gene seconded, motion passed.

RQAW

Mike has received a letter from RQAW and their correspondence with the State Highway and they returned our invoice of \$3,420.00 unpaid because the State or RQAW has no contract with Tippecanoe County.

Nola moved to have Mr. Hoffman write a demand letter to INDOT and RQAW to pay the invoice.

CUPPY-MCCLURE - UPDATE

Mike has the bid documents from RUST Environmental and Infrastructure. Mike told him to include an alternate bid item for the outlet in Hadley Lake back to Great Lakes Chemical but stopping short of the 1200 feet of 5 foot by 10 foot concrete boxes. They also got with the Army Corp of Engineers to get a two year extension for our permit on the project extending it to September 25, 1997.

Nola asked Fred about the funds being State Grant funds that we should write the Department of Commerce for determination of which wage setting we should use since it is their money. Mike has the wage scale and they are highlighted so they can be changed easily, they are just good for 90 days. Mike will visit with all the landowners to let them know about what's taking place then we need to have a hearing of everybody in the Cuppy-McClure watershed area. Mr. Hoffman stated that we have to give 30 days notice on the hearing. There will be no cost to the watershed landowners for the construction of this drain. There will

be a reconstruction and maintenance hearing, but the maintenance does not start until after the construction.

Being no further business, the meeting was adjourned.

DRAINAGE BOARD MINUTES OCTOBER 2, 1995

TIPPECANOE COUNTY DRAINAGE BOARD
REGULAR MEETING
JANUARY 3, 1996

The Tippecanoe County Drainage Board met Wednesday January 3, 1996 in the Commissioners Meeting Room of the Tippecanoe County Courthouse, Lafayette, Indiana with William D. Haan calling the meeting to order.

Those present were: Tippecanoe County Commissioners William D. Haan, Nola J. Gentry, and Gene Jones; Tippecanoe County Surveyor Michael J. Spencer; Drainage Board Attorney J. Frederick Hoffman; Drainage Board Engineering Consultant Dave Eichelberger, and Drainage Board Secretary Shelli Muller.

ELECTION OF OFFICERS

The first item on the agenda was to elect new officers for 1996.

Mr. Hoffman opened the floor to nominations for President.

Commissioner Haan nominated Commissioner Gentry.

Commissioner Haan moved to close nominations for president, seconded by Commissioner Jones. Motion carried, Commissioner Gentry was elected.

Mr. Hoffman turned the meeting over to the President.

Commissioner Gentry asked for nominations for Vice President.

Commissioner Haan nominated Commissioner Jones for Vice President.

Commissioner Haan moved to close nominations for Vice President, Commissioner Gentry seconded. Motion carried, Commissioner Jones was elected.

APPOINTMENTS TO THE BOARD

The next item on the agenda is to renew the contracts with Hoffman, Luhman & Busch as the law firm.

Commissioner Haan moved to renew the 1995 contract with Hoffman, Luhman and Busch, seconded by Commissioner Jones. Motion carried.

Mr. Spencer presented the Board with two proposals for the contract with Christopher B. Burke Engineering Limited.

- 1) A proposal for professional engineering services on a varied rate depending on specified standard charges.
- 2) a proposal for professional engineering services on a fixed rate of \$50.00 per hour.

Commissioner Gentry asked for a report on the number of engineering review hours in 1995 for all the projects submitted in 1995. The discussion of which contract to be used will be continued at the February meeting.

Commissioner Haan moved to extend the 1995 contract with Christopher B. Burke Engineering Limited for one month into 1996, seconded by Commissioner Jones. Motion carried.

Commissioner Haan moved to reappoint Shelli Muller as Drainage Board Secretary for 1996, seconded by Commissioner Jones. Motion carried.

1996 ACTIVE/INACTIVE DITCH LIST

Mr. Hoffman asked for the active and inactive ditches to be placed in the minutes.

Commissioner Haan moved to place the 1996 active/inactive ditch list the minutes, seconded by Commissioner Jones. Motion carried.

1996 - ACTIVE/INACTIVE DITCH LIST

ACTIVE

E.W. ANDREW, ANSON-DEPHINE, JULIUS BERLOWITZ, BEUTLER-GOSMA, ANDREW BROWN, TRAIN COE, COUNTY FARM, THOMAS ELLIS, FASSNACHT-CRIST, REBECCA GRIMES, HARRISON MEADOWS, EUGENE JOHNSON, JAMES KELLERMAN, AMANDA KIRKPATRICK, FRANK KIRKPATRICK, JAMES KIRKPATRICK, CALVIN LESLEY, MARY MCKINNEY, F.E. MORIN, KESTER MOTSINGER, J. KELLY O'NEAL, AUDLEY OSHIER, FRANKLIN RESER, SKINNER RAY, JOSEPH STERRETT, GUSTAV SWANSON, JACOB TAYLOR, JESSE DICKENS, DISMAL CREEK, SHAWNEE CREEK, SAMUEL ELLIOTT, JOHN HOFFMAN, BUCK CREEK, DARBY-WETHERHILL, ISSAC GOWEN, SAMUEL MARSH, EMMETT RAYMAN, WILSON-NIXON, SOPHIA BRUMM, H.W. MOORE, MARY THOMAS, ARBEGUST-YOUNG

INACTIVE

JOHN AMSTUZ, JESSE ANDERSON, DEMPSEY BAKER, BAKER VS NEWELL, NELLIE BALL, MICHAEL BINDER, JOHN BLICKENSTAFF, NATHANIEL BOX, ALFRED BURKHALTER, ORIN BYERS, FLOYD COE, GRANT COLE, JESSE CRIPE, CHARLES DAUGHERTY, FANNIE DEVAULT, MARION DUNKIN, MARTIN ERVIN, ELIJAH FUGATE, MARTIN GRAY, FRED HAFNER, E.F. HAYWOOD, THOMAS HAYWOOD, GEORGE INSKEEP, LEWIS JAKES, FLOYD KERSCHNER, JOHN KUHN, JOHN MCCOY, JOHN MCFARLAND, WESLEY MAHIN, ABSOLEM MILLER, ANN MONTGOMERY, PARKER LANE, CALVIN PETER, PETER RETTERETH, ARTHUR RICHERD, ALEXANDER ROSS, JAMES SHEPHERDSON, JOHN SALZMAN, ABE SMITH, MARY SOUTHWORTH, WILLIAM STEWART, ALONZO TAYLOR, JOHN TOOHEY, JOHN VANNATTA, HARRISON WALLACE, SUSSANA WALTERS, WILLIAM WALTERS, WAPLES-MCDILL, LENA WILDER, J&J WILSON, SIMEON YEAGER, FRANKLIN YOE, JENKINS, KIRKPATRICK ONE, MCLAUGHLIN, JOHN HOFFMAN

Commissioner Gentry mentioned the ditches that are in red:

COUNTY FARM, REBECCA GRIMES, FRANKLIN RESER, GUSTAV SWANSON

Mr. Spencer read a letter he received from Betty J. Michael.

"December 29, 1995

Nola J. Gentry, President
Board of Commissioners

Michael J. Spencer
County Surveyor

Re: Interest on Drainage Funds

At the Fall County Auditor's Conference held by the State Board of Accounts, a session was held concerning drainage ditches, charges, billings, investments, interest, etc.

The County Board of Accounts supervisors instructed the Auditors and personnel concerning the above issues. We were informed that most Counties put interest earned on Drainage funds into the County General Fund since County general pays for expenses such as tax bills, Surveyor and Drainage Board Budgets.

An alternative in some cases is to credit this interest to the County Drain Fund (unapportioned). When we inquired about the feasibility of apportioning the monthly interest into more than 100 separate drainage funds, the answer was a dead silence of incredibility that this was being done.

We have double-checked this information with District Board of Accounts personnel and have been told that there is nothing in the statutes that mandates interest should go into each Drain fund or even into the County General Drain Fund.

Therefore, as of January 1, 1996, we will be willing to allocate the monthly interest to either the General Drain Fund or to the County General Fund but NOT to each individual Drain account. Please let me know your preference.

Sincerely,

Betty J. Michael"

Mr. Hoffman stated the ditches are trust funds and the landowners in the watershed areas know the ditches are earning interest, it would not be appropriate to discontinue the investment.

Commissioner Haan moved to direct Mr. Hoffman to write a letter stating per the agreement that was made when the ditches were established the interest was to be allocated, but the Board is willing to distribute the interest on a semimonthly bases to coincide with the spring & fall settlements, seconded by Commissioner Jones. Motion carried.

Commissioner Haan moved to approve the 1996 Drainage Board schedule, seconded by Commissioner Jones. Motion carried.

APPROVAL OF MINUTES

Commissioner Haan moved to approve the minutes from the December 6, 1995 Drainage Board meeting, seconded by Commissioner Jones. Motion carried.

BRENTWOOD COMMUNITY

Mr. Spencer stated Brentwood Manufacture Home Community is located off US52 West, South of the Elk's Country Club. They asked for preliminary drainage approval, which he recommended as long as the IDNR approved the construction within a floodway. There are approximately 280 lots on 60 acres with a dry bottom retention pond.

Mr. Spencer explained the retention pond does not comply with the Ordinance therefore the developer is asking for a variance. The Ordinance requires a 48 hour discharge time, the plans actual peak discharge is closer to 75 hours.

Commissioner Haan moved to grant preliminary approval to Brentwood Community contingent on the approval of construction in a floodway from IDNR, revised calculations and the request for the variance to the Ordinance, seconded by Commissioner Jones. Motion carried.

SOUTHERN MEADOWS

Mr. Spencer recommended granting Southern Meadows Subdivision final approval. The development is located at the corner of South 18th Street and 350 South within the City of Lafayette. Mr. Spencer explained the development needs approval from the County Drainage Board because it drains to the Elliott Ditch. At the Urban review meetings it was determined any development below the railroad tracks draining into Elliott Ditch would be allowed to direct release into the Ditch without onsite detention. The development includes a water amenity onsite, which water will flow into and out, but is not being planned as a detention pond and does not comply with the requirements of the Ordinance. Mr. Spencer had a question as to whether or not the pond would have to comply with the requirements of the Ordinance.

Mr. Hoffman stated the pond would not have to meet the Ordinance requirements as long as it does not affect the drainage.

Mr. Spencer explained the site drains to the pond.

Commissioner Haan stated if the majority of the site drains to the pond it is a retention pond and should meet the requirements of the Ordinance.

Ron Miller, Schneider Engineering, stated the current discharge in a one hour storm duration to Elliott is 2.7 hours. With the installation of a 42 inch pipe draining from the water amenity discharge into the Elliott in a one hour storm will be a little over an hour.

Commissioner Haan moved to grant final approval of Southern Meadows Subdivision with the condition the pond meets the Drainage Board Ordinance requirement for a non-fenced pond, seconded Commissioner Jones. Motion carried.

VILLAGE PANTRY #564R

Mr. Spencer introduced Village Pantry #564R, which is located at the corner of Brady and Concord, East of the existing Village Pantry. Weihe Engineering submitted final drainage plans and after the review it was recommended to grant final approval with the variance of a 12 inch pipe to a 10 inch concrete pipe for the outfall of the proposed detention area in order to limit the discharge.

Commissioner Haan moved to grant the variance of the Ordinance from a 12 inch required pipe to a 10 inch proposed pipe, seconded by Commissioner Jones. Motion carried.

Commissioner Haan moved to grant final approval of Village Pantry #564R, seconded by Commissioner Jones. Motion carried.

PETITION TO ESTABLISH O'FERRALL LEGAL DRAIN

Mr. Hoffman excused himself from the meeting 9:45 a.m.

Mr. Spencer asked the Board to acknowledge the petition to establish the O'Ferrall Legal Drain, branch of the Alexander Ross Ditch as a valid petition.

Commissioner Haan moved to acknowledge the petition as a valid petition to establish the O'Ferrall Legal Drain, branch of the Alexander Ross Ditch and the petition represents over 10 percent of the effect landowners, seconded by Commissioner Jones. Motion carried.

Mr. Hoffman returned to the meeting at 9:57 a.m.

ALEXANDER ROSS DITCH EASEMENT REDUCTION

Mr. Spencer explained on the Meijer site two branches of the Alexander Ross Ditch were described, one on the Southeast corner of the site and the other along the West side of the site. After the construction of the site it was discovered the pipe described along the West side of the site is not actually on the Meijer site. Meijer is asking the description of the pipe on the West side be corrected and the easement on the Southeast corner be reduced from 75 feet to 25 feet center of the pipe either side.

Mr. Hoffman stated Mr. Spencer will have to define the easement as only being on the Southeast corner of the site and redefine the easement on the West side of the property.

Commissioner Haan moved to reduce the easement of the Alexander Ross Ditch located at the Southeast corner of the Meijer site from 75 feet to 25 feet either side of the center of the pipe, seconded by Commissioner Jones. Motion carried.

Commissioner Haan moved to direct Mr. Spencer to correct the Survey maps to show the actual location of the Alexander Ross Ditch and document that the ditch does not run through the West side of the Meijer property, seconded by Commissioner Jones. Motion carried.

Commissioner Gentry asked Mr. Spencer to do a field check on the erosion of the Alexander Ross Ditch bank behind Meadowbrook Subdivision.

SANWIN APARTMENTS

Bob Grove presented the Board with Sanwin Apartments drainage plan and asked for preliminary approval. Located North of US52 West and East of County Road 250 West, the site consist of 3.11 acres and is planned to include a multi-family development with 63 units and a commercial area along the highway. After review from Christopher B. Burke Engineering consultant a revised preliminary plan was submitted addressing the concerns of the memo. The majority of the site, in the

revised plan, drains to the Northeast and Ken Baldwin will provide a 20 foot easement for a 12 inch outlet pipe that runs from the Northeast corner of the site to the existing McClure Ditch.

Commissioner Haan moved to grant preliminary approval of Sanwin Apartments, seconded by Commissioner Jones. Motion carried.

Cuppy-McClure - update

Mr. Spencer stated the notices for the hearing to be held February 7, 1996 on the reconstruction of the Cuppy-McClure Drain were sent January 2, 1996.

Mr. Spencer stated RUST Environmental & Infrastructure has submitted several proposals for construction inspection.

Commissioner Gentry suggested Mr. Spencer get other bids for the construction inspection or consider in-house inspections.

Being no further business Commissioner Haan moved to adjourn until February 7, 1996, seconded by Commissioner Jones. Meeting adjourned.

DRAINAGE BOARD MINUTES JANUARY 3, 1996 REGULAR MEETING

TIPPECANOE COUNTY DRAINAGE BOARD
 REGULAR MEETING
 FEBRUARY 5, 1997

The Tippecanoe County Drainage Board met Wednesday February 5, 1997 in the Tippecanoe Room of the Tippecanoe County Office Building, Lafayette, Indiana with Commissioner Hudson calling the meeting to order.

Those present: Tippecanoe County Commissioners Kathleen Hudson and Gene Jones, Tippecanoe County Surveyor Michael J. Spencer, Tippecanoe County Drainage Board Attorney Cy Gerde, Engineering Consultant David Eichelberger, and Drainage Board Secretary Shelli Muller.

Commissioner Hudson stated Commissioner Chase resigned Monday February 3, 1997 which created a vacancy in the position of Vice President to the Drainage Board. She nominated Commissioner Jones to fill the vacancy, seconded by Commissioner Jones. Motion carried to elect Commissioner Jones as Drainage Board Vice President.

The first item on the agenda was to approve the minutes from the meeting held December 11, 1996. Commissioner Jones moved to approve the minutes, seconded by Commissioner Hudson. Motion carried.

Commissioner Jones moved to approve the minutes of the last meeting held January 8, 1997, seconded by Commissioner Hudson. Motion carried.

Mr. Gerde asked for the active and inactive ditch list to be placed in the minutes and a motion be made to approve the list.

ACTIVE DITCH LIST 1997

DITCH NO	DITCH	PRICE PER ACRE	TOTAL 4 YEAR ASSESSMENT	1996 YEAR END BALANCE
4	Anson, Delphine	\$1.00	\$5,122.56	\$2,677.72
8	Berlovitz, Juluis	\$1.25	\$8,537.44	(\$2,933.43)
13	Brown, A P	\$1.00	\$8,094.24	\$7,921.94
14	Buck Creek	\$0.00		\$1,385.55
15	Burkhalter, Alfred	\$1.50	\$5,482.96	\$4,129.61
18	Coe, Train	\$0.50	\$3,338.56	\$1,306.84
20	County Farm	\$1.00	\$1,012.00	(\$381.25)
25	Dunkin, Marion	\$1.50	\$9,536.08	\$9,285.65
26	Darby, Wetherill	\$1.50		\$1,106.43
27	Ellis, Thomas	\$1.00	\$1,642.40	\$1,483.50
29	Fassnacht, Christ	\$0.75	\$2,350.56	\$2,124.49
31	Gowen, Issac	\$0.00		\$101.76
33	Grimes, Rebecca	\$3.00	\$3,363.52	(\$10,770.77)
35	Haywood, E.F.	\$0.50	\$7,348.96	\$1,283.61
37	Harrison, Meadows	\$1.00	\$1,532.56	\$463.71
41	Johnson, E. Eugene	\$3.00	\$10,745.28	\$8,137.10
42	Kellerman, James	\$0.50	\$1,043.52	\$693.98
43	Kerschner, Floyd	\$1.00	\$1,844.20	(\$2,254.41)
44	Kirkpatrick, Amanda	\$1.00	\$2,677.36	\$781.97
45	Kirkpatrick, Frank	\$1.00	\$4,226.80	(\$7,821.61)
48	Lesley, Calvin	\$1.00	\$3,787.76	\$2,440.88
51	McFarland, John	\$0.50	\$7,649.12	\$7,160.70

54	Marsh, Samuel		\$0.00		\$0.00
55	Miller, Absalm		\$0.75	\$3,236.00	\$2,221.92
57	Morin, F.E.	\$1.00	\$1,434.72	(\$1,130.43)	
58	Motsinger, Hester	\$0.75	\$2,000.00	(\$348.42)	
59	O'Neal, J. Kelly	\$1.50	\$13,848.00	(\$1,975.03)	
60	Oshier, Aduley		\$0.50	\$1,624.88	\$1,048.80
64	Rayman, Emmett	\$0.00			\$326.57
65	Resor, Franklin	\$1.00	\$3,407.60	(\$2,025.96)	
74	Sterrett, Joseph	\$0.35	\$478.32		\$276.65
76	Swanson, Gustav	\$1.00	\$4,965.28		\$1,351.62
82	Wallace, Harrison		\$0.75	\$5,501.76	\$5,408.79
84	Walters, William	\$0.00	\$8,361.52		\$7,999.20
87	Wilson, Nixon		\$1.00		\$158.62
89	Yeager, Simeon		\$1.00	\$615.36	(\$523.86)
91	Dickens, Jesse		\$0.30	\$288.00	\$206.26
93	Dismal Creek		\$1.00	\$25,420.16	\$8,652.86
94	Shawnee Creek		\$1.00	\$6,639.28	\$3,411.51
95	Buetler/Gosma		\$1.10	\$19,002.24	\$9,981.77
100	S.W.Elliott	\$0.75	\$227,772.24	\$174,474.74	
102	Brum, Sarah		\$1.00		
103	H W Moore Lateral				
104	Hadley Lake Drain	\$0.00			\$38,550.17
105	Thomas, Mary		\$0.00		
106	Arbegust-Young	\$0.00			
108	High Gap Road	\$13.72			0.00
109	Romney Stock Farm	\$12.13			0.00

INACTIVE DITCH LIST 1997

	DITCH	PRICE	TOTAL	1996
	PER ACRE	ASSESSMENT	4 YEAR	YEAR END
			BALANCE	
AA				
1	Amstutz, John	\$3.00	\$5,008.00	\$5,709.97
2	Anderson, Jesse	\$1.00	\$15,793.76	\$21,291.57
3	Andrews, E.W.	\$2.50	\$2,566.80	\$2,847.14
5	Baker, Dempsey	\$1.00	\$2,374.24	\$3,270.71
6	Baker, Newell	\$1.00	\$717.52	\$2,343.45
7	Ball, Nellie	\$1.00	\$1,329.12	\$2,414.08
10	Binder, Michael	\$1.00	\$4,388.96	\$5,244.63
11	Blickenstaff, John	\$1.00	\$7,092.80	\$8,094.49
12	Box, NW	\$0.75	\$11,650.24	\$15,935.84
16	Byers, Orrin	\$0.75	\$5,258.88	\$5,266.89
17	Coe, Floyd	\$1.75	\$13,617.84	\$19,495.56
19	Cole, Grant	\$1.00	\$4,113.92	\$9,688.52
21	Cripe, Jesse	\$0.50	\$911.28	\$1,810.25
22	Daughtery, Charles	\$1.00	\$1,883.12	\$2,662.08

23	Devault, Fannie	\$1.00	\$3,766.80	\$8,650.12
28	Erwin, Martin V	\$1.00	\$656.72	\$1,273.19
30	Fugate, Elijah		\$1.00 \$3,543.52	\$6,272.90
32	Gray, Martin		\$1.00 \$6,015.52	\$7,478.52
34	Hafner, Fred		\$1.00 \$1,263.44	\$1,336.75
36	Haywood, Thomas	\$1.00	\$2,133.12	\$3,253.45
39	Inskeep, George	\$1.00	\$3,123.84	\$8,267.68
40	Jakes, Lewis		\$1.00 \$5,164.24	\$6,039.76
46	Kirkpatrick, James		\$1.00 \$16,637.76	\$21,244.63
47	Kuhns, John A		\$0.75 \$1,226.96	\$1,467.00
50	McCoy, John	\$1.00	\$2,194.72	\$3,009.24
52	McKinny, Mary		\$1.00 \$4,287.52	\$4,326.98
53	Mahin, Wesley		\$3.00 \$3,467.68	\$4,346.05
56	Montgomery, Ann	\$1.00	\$4,614.56	\$4,717.40
61	Parker, Lane		\$1.00 \$2,141.44	\$3,658.56
63	Peters, Calvin		\$1.00 \$828.00	\$2,704.13
66	Rettereth, Peter	\$0.75	\$1,120.32	\$1,511.11
67	Rickerd, Aurthur	\$3.00	\$1,064.80	\$1,281.00
68	Ross, Alexander	\$0.75	\$1,791.68	\$4,348.39
69	Sheperdson, James	\$0.75	\$1,536.72	\$4,194.37
70	Saltzman, John		\$2.00 \$5,740.96	\$6,867.50
71	Skinner, Ray		\$1.00 \$2,713.60	\$2,961.68
72	Smith, Abe	\$1.00	\$1,277.52	\$1,595.63
73	Southworth, Mary	\$0.30	\$558.08	\$677.23
75	Stewart, William	\$1.00	\$765.76	\$1,046.47
77	Taylor, Alonzo		\$1.00 \$1,466.96	\$4,006.46
78	Taylor, Jacob		\$0.75 \$4,616.08	\$5,066.61
79	Toohy, John		\$1.00 \$542.40	\$1,207.75
81	VanNatta, John		\$0.35 \$1,338.16	\$3,089.01
83	Walters, Sussana	\$0.75	\$972.24	\$2,395.01
85	Waples, McDill		\$1.00 \$5,478.08	\$9,781.97
86	Wilder, Lena		\$1.00 \$3,365.60	\$5,718.48
88	Wilson, J & J		\$0.50 \$736.96	\$6,552.77
90	Yoe, Franklin		\$1.00 \$1,605.44	\$2,916.35
92	Jenkins		\$1.00 \$1,689.24	\$3,014.50
96	Kirkpatrick One	\$0.00	\$6,832.16	\$13,956.64
97	McLaughlin, John	\$0.00	\$0.00	\$0.00
101	Hoffman, John		\$1.00 \$72,105.03	\$3,502.62

Commissioner Jones moved to approve the active and inactive ditches for 1997, seconded by Commissioner Hudson. Motion carried.

1997 CONTRACTS

ENGINEERING CONTRACT

Mr. Gerde stated he commends the contract written for Christopher B. Burke Engineering, Limited, but some verbiage was changed to better protect the County's interest.

Mr. Eichelberger stated the changes will be made and the contract ready for signature at the March meeting.

ATTORNEY CONTRACT

Mr. Gerde stated the contract for Drainage Board Attorney is ready for approval and the signature of the Drainage Board. The contract is the same format as Mr. Hoffman's contract with a few changes; date, name and hourly rate changed to \$140.00 per hour also, the last paragraph was added to the contract.

Commissioner Hudson read the paragraph that was added:

"All parties hereto agree not to discriminate against any employee or applicant for employment with respect to his hire tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to employment, because of his race, religion, color, sex, disability, handicap, national origin or ancestry. Breach of this convenient may be regarded as a material breach of the contract."

Commissioner Jones moved to approve the contract for Drainage Board Attorney, seconded by Commissioner Hudson. Motion carried. The entire contract is on file in the County Surveyor's Office.

JAMES N. KIRKPATRICK DITCH

Mr. Spencer asked that the **James N. Kirkpatrick Ditch** proposal discussion be continued until the March meeting allowing time to fill the vacancy of the third Drainage Board member.

Commissioner Hudson moved to continue the discussion of the James N. Kirkpatrick Ditch proposals until the March Drainage Board Meeting, seconded by Commissioner Jones. Motion carried

OBSTRUCTION OF DRAINS

Mr. Spencer referred to the following "PETITION TO TIPPECANOE COUNTY DRAINAGE BOARD TO REMOVE OBSTRUCTION IN MUTUAL DRAIN OF MUTUAL SURFACE WATERCOURSE" the "DRAINAGE BOARDS POWER EXTENDED TO PRIVATE DRAINS" article in "Indiana Prairie Farmer" and Indiana Code amendment act No. 1277. All of these documents are on file in the County Surveyor's Office. Mr. Spencer wanted the Commissioners to be aware of and have a discussion on this issue. Mr. Spencer felt this law was to protect against man-made obstructions and asked Mr. Gerde to examine the possibility of the law including natural obstructions.

Mr. Gerde gave an example of where this law could be taken into effect. The first being on North 9th Street Road, north of Burnetts Road, the current condition causes water to travel across the road producing a hazardous condition. The reason for the water across the road is due to drainage problems outside the County Road Right-of-Way.

Mr. Steve Murray, Executive Director, Tippecanoe County Highway Department, stated another persistent problem is 200 South, east of the South fork of the Wildcat Creek. Mr. Murray explained no actual source of funding is available to work on obstruction of drains which do not have a maintenance fund. Mr. Murray asked the Drainage Board to consider creating a fund which would help the Surveyor's Office and the Highway Department to determine what action could be taken. Mr. Murray stated when a problem becomes severe enough the County Highway Department will clean out an obstruction that is off county road right-of-way to protect the road way, but the funds used for the clean-up are funds that could be used elsewhere.

Commissioner Jones stated Steve Wettschurack told him that FEMA was going to help out with the situation on North 9th Street.

Mr. Murray pointed out with the older residential subdivision the storm water system were allowed to outlet into privately owned ravines, there is no funding available to help with maintenance on these situations. If the storm water system becomes plugged or breaks down causing the streets to flood the County Highway Department has repaired the problem, using funds that were not intended for that type of repair.

Mr. Gerde's understanding is that in the majority of those situation the County does not have an easement, which cause a legal problem for the County.

Mr. Spencer stated in all cases where the County has worked out side the easement a complaint was filed therefore the landowners are willing to grant entry onto their land.

MARCH DRAINAGE BOARD MEETING DATE

Mr. Spencer explained the March 1997 Drainage Board meeting date needs to be changed, if possible. Mr. Gerde is going to be out of town on the scheduled meeting date of March 5, 1997.

Discussion of the next Drainage Board Meeting, after an agreed date and time, Commissioner Hudson stated the next Drainage Board meeting will be Tuesday, March 11, 1997 at 9:00 a.m.

Being no further business Commissioner Hudson moved to adjourn until Tuesday, March 11, 1997 at 9:00 a.m., seconded by Commissioner Jones. Meeting adjourned.

TIPPECANOE COUNTY DRAINAGE BOARD

February 4, 1998

regular meeting

Those present were:

Tippecanoe County Commissioners Ruth Shedd, and John Knochel, County Surveyor Mike Spencer, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger and Drainage Board Secretary Shelli Muller.

The Tippecanoe County Drainage Board met Wednesday, February 4, 1998, in the Tippecanoe Room of the Tippecanoe County Office Building, 20 North 3rd Street, Lafayette, Indiana with Commissioner Shedd calling the meeting to order.

The first item on the agenda was to approve the minutes from the October 15, 1997 and December 19, 1997 regular Drainage Board meetings. Commissioner Knochel moved to approve the minutes, seconded by Commissioner Shedd. Minutes Approved.

MIKE MADRID COMPANY

Bob Gross, and Craig Rodarmel of R.W. Gross and Associates, presented the Board with final drainage plans of Mike Madrid Company, located west of I-65, in the northeast portion of the intersection of Swisher Road and the Rail Road. Mr. Gross explained at the south end of the site an existing 15 inch culvert under Swisher Road is the outlet. In the post-developed condition the same 15 inch pipe will be used for the outlet of the site with two sub basin. The sub basin at the north and east sides of the site will outlet into a 12 inch pipe under the driveway and then flow into the 15 inch outlet pipe under Swisher Road. The second sub basin will be at the south end of the site and outlet through a 12 inch pipe with a 4.25 inch diameter orifice on the end to restrict the flow before outletting into the 15 inch pipe under Swisher Road. Mr. Gross explained neither of the two basins will be very deep, but they will be spread over a large area.

Mr. Spencer stated he recommends final approval with the condition the applicant receives approval from the County Highway Department for use of the road right-of-way as site detention.

Commissioner Shedd asked where the emergency overflow will go and who owns the property the overflow will go on?

Mr. Gross stated Mike Madrid Company owns the property for the proposed emergency overflow.

Commissioner Knochel moved to grant final approval of the Mike Madrid Company drainage plan with the condition the applicant receives approval from the County Highway Department, seconded by Commissioner Shedd. Motion carried.

DRAINAGE BOARD 1998 CONTRACTS

Attorney

Mr. Spencer presented the Board with a 1998 contract from Hoffman, Luhman and Busch Law Firm for their services to the Tippecanoe County Drainage Board.

Commissioner Knochel moved to approve the 1998 contract with Hoffman, Luhman and Busch Law Firm, seconded by Commissioner Shedd. Motion carried.

Engineering Consultant

Mr. Luhman presented the Board with a 1998 contract from Christopher B. Burke Engineering, LTD. for engineering consultant services for the Tippecanoe County Drainage Board.

Mr. Luhman suggested continuing the 1998 contract with Christopher B. Burke Engineering, Ltd. until some language is included, which is in the agreement from January 3, 1995 contract. Christopher B. Burke Engineering, Ltd. could copy the 1995 contract and update it to include the current rates.

Commissioner Knochel moved to continue the 1998 engineering consultant contract with Christopher B. Burke until the March 4, 1998 Drainage Board Meeting, seconded by Commissioner Shedd. Motion carried.

1998 ACTIVE AND INACTIVE DITCH LIST

Mr. Luhman read the 1998 active and inactive ditch list.

ACTIVE DITCH LIST

- 4. Delphine Anson 8. Julius Berlovitz 10. Michael Binder 14. Buck Creek
- 16. Orrin Byers 18. Train Coe 20. County Farm 26. Darby Wetherill
- 31. Issac Gowen 33. Rebecca Grimes 34. Fred Hafner 35. E.F. Haywood
- 37. Harrison Meadows 41. Eugene Johnson 42. James Kellerman 43. Floyd Kerschner
- 44. Amanda Kirkpatrick 45. Frank Kirkpatrick 47. John Kuhns 48. Calvin Lesley
- 52. Mary Mckinney 54. Samuel Marsh 55. Absalm Miller 57. F.E. Morin
- 58. Hester Motsinger 59. J. Kelly O’Neal 60. Audley Oshier 64. Rayman Emmett
- 65. Franklin Reser 67. Aurthur Rickerd 71. Skinner Ray 74. Joseph Sterrett
- 76. Gustav Swanson 78. Jacob Taylor 87. Wilson Nixon 89. Simeon Yeager
- 91. Jesse Dickens 93. Dismal Creek **94. Shawnee Creek** 101. John Hoffman
- 102. Sophia Brumm 103. H.W. Moore 105. Mary Thomas 106. Arbegust Young
- 108. High Gap Road 109. Romney Stock Farm

INACTIVE DITCH LIST

- 1. John Amstutz 2. Jesse Anderson 3. E.W. Andrew 5. Dempsey Baker
- 6. Newell Baker 7. Nellie Ball 11. John Blickenstaff 12. N.W. Box
- 13. A.P. Brown 15. Alfred Burkhalter 17. Floyd Coe 19. Grant Cole
- 21. Jesse Cripe 22. Charles Daughtery 23. Fannie Devault 25. Marion Dunkin
- 27. Thomas Ellis 28. Martin Erwin 29. Crist-Fassnacht 30. Elijah Fugate
- 32. Martin Gray 36. Thomas Haywood 39. George Inskeep 40. Lewis Jakes
- 46. J.N. Kirkpatrick 50. John McCoy 51. John McFarland 53. Wesley Mahin
- 56. Ann Montgomery 61. Parker Lane 63. Calvin Peters 66. Peter Rettereth
- 68. Alexander Ross 69. James Sheperdson 70. John Saltzman 72. Abe Smith
- 73. Mary Southworth 75. William Stewart 77. Alonzo Taylor 79. John Toohey
- 81. John VanNatta 82. Harrison Wallace 83. Sussana Walters 84. William Walters
- 85. Waples McDill 86. Lena Wilder 88. J & J Wilson 90. Franklin Yoe
- 92. Jenkins 95. Beutler-Gosma 96. Kirkpatrick One 100. S.W. Elliott

Commissioner Knochel moved to approve the 1998 ditch assessment list, seconded by Commissioner Shedd. Motion carried.

OTHER BUSINESS

Mr. Spencer brought to the Board's attention a public notice from the Corp. of Engineers regarding the proposed wetland constructed above a county regulated tile drainage system the **John McCoy Ditch** located south of Wea School along County Road 200 East. Mr. Spencer explained there have been some concern from the property owners in the watershed area with what the Corp. has proposed. Mr. Spencer asked the Board if the County should have an informational meeting regarding the wetland?

Commissioner Knochel moved to have an information meeting with all the effected landowner in the area of the proposed wetland, seconded by Commissioner Shedd. Motion carried.

Mr. Spencer asked if the 30 day requirement for a public notice would be in affect with this meeting only being an informational meeting?

Mr. Luhman stated no, not for an informational meeting because it is not being reconstruted, the assessment is not going to change and there is not going to be any legal affect on the landowners.

MINUTE BOOK

Mr. Luhman explained that there was a question as to whether or not a ledger size minute book was required to be used, if not, than could the minute book be changed to a letter or legal size. Mr. Luhman stated he could not find any statue where a ledger size book had to be used.

Commissioner Shedd granted approval to change the size of the minute book from ledger to letter, beginning with the 1998 Drainage Board minutes.

Being no further business, Commissioner Knochel moved to adjourn until March 4, 1998, seconded by Commissioner Shedd. Meeting adjourned.

Ruth Shedd, President

Shelli Muller, Secretary

Kathleen Hudson, Vice President

John Knochel, Member

TIPPECANOE COUNTY DRAINAGE BOARD

February 3, 1999

Regular Meeting

Those present were:

Tippecanoe County Commissioners Ruth Shedd and John Knochel, County Surveyor Mike Spencer, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger and Drainage Board Secretary Shelli Muller.

The Tippecanoe County Drainage Board met Wednesday, February 3, 1999, in the Tippecanoe Room of the Tippecanoe County Office Building, 20 North 3rd Street, Lafayette, Indiana with Commissioner Shedd calling the meeting to order.

The first item on the agenda is to approve the 1999 Active and Inactive Ditch Assessment List. Mr. Luhman read the list.

ACTIVE

Delphine Anson Brown	Julius Berlowitz	Michael Binder	A.P.
Buck Creek Wetherhill	Train Coe	County Farm	Darby
Christ Fassnacht Hafner	Issac Gowen	Rebecca Grimes	Fred
E.F. Haywood Kirkpatrick	Harrison Meadows	Floyd Kerschner	Amanda
Frank Kirkpatrick McKinny	Calvin Lesley	John McFarland	Mary
Samuel Marsh Aduley Oshier Rickerd	F.E. Morin Emmett Rayman	Hester Motsinger Franklin Reser	J.Kelly O'Neal Aurthur
Joseph Sterrett Walters	Gustav Swanson	Jacob Taylor	William
Wilson Nixon Creek	Simeon Yeager	Jesse Dickens	Dismal
Kirkpatrick One Lateral	John Hoffman	Sophia Brum	HW Moore
Mary Thomas	Arbegust-Young	Jesse Anderson	

INACTIVE

John Amstutz	James Shepardson	E.W. Andrew	
Dempsey Baker			
Newell Baker	Nellie Ball	John Blickenstaff	NW Box
Alfred Burkhalter	Orrin Byers	Floyd Coe	Grant
Cole			
Jesse Cripe	Charles Daughtery	Frannie Devault	Marion
Dunkin			
Thomas Ellis	Martin Erwin	Elijah Fugate	Martin
Gray			
Thomas Haywood Johnson	George Inskeep	Lewis Jakes	Eugene
James Kellerman	James Kirkpatrick	John Kuhns	John
McCoy			
Wesley Mahin Lane	Absalm Miller	Ann Montgomery	Parker

Calvin Peters Saltzman Skinner Ray William Stewart	Peter Rettereth Abe Smith John Toohey Sussane Walters Franklin Yoe	Alexander Ross Mary Southworth John VanNatta McDill Waples Jenkins S.W. Elliott	John Lena Hadley
Shawnee Creek			
Buetler/Gosma Lake High Gap Rd	John McLaughlin Romney Stock Farm		

Commissioner Knochel moved to approve the list of Active and Inactive Ditch Assessment for the year 1999, seconded by Commissioner Shedd. Motion carried.

WATKINS GLEN SUBDIVISION, PHASE 4, PART 3

Tim Beyer of Vester and Associates, asked the Board for preliminary approval of Watkins Glen Subdivision, Phase 4, Part 3 located off County Road 400 East. The proposed subdivision consists of 9 lot on a 5 acre site. Mr. Beyer asked for a variance from the Drainage Ordinance that requires on-site detention. The majority of the proposed plan drains to an existing pipe and then to an existing detention facility for Watkins Glen South, Part V. The facility has the capacity to handle the additional runoff of Phase 4, Part 2.

Mr. Spencer recommended granting the variance for no on-site detention and preliminary approval of the drainage plan for Watkins Glen, Phase 4, Part 3.

Commissioner Knochel moved to grant preliminary approval of Watkins Glen, Phase 4, Part 3 and to grant the variance allowing no on-site detention, seconded by Commissioner Shedd. Motion carried.

SEASONS FOUR SUBDIVISION, PHASE III

Roger Fine, of John E. Fisher and Associates, asked the Board for approval of the outlet pipe for Seasons Four Subdivision, Phase III. The City of Lafayette requires the project to receive approval from the Tippecanoe County Drainage Board because of the outlet pipe into the **Elliott Ditch**. Mr. Fine informed the Board a DNR permit is pending for work in the floodway.

Mr. Spencer recommended approval of the outlet pipe, subject to the project receiving the DNR permit.

Commissioner Knochel moved to approve the outlet pipe into **the Elliott Ditch** for Seasons Four Subdivision, Phase III, subject to the approval of the DNR permit, seconded by Commissioner Shedd. Motion carried.

Being no further business, Commissioner Knochel moved to adjourn until March 3, 1999 at 10:00 a.m., seconded by Commissioner Shedd. Motion carried.

Ruth Shedd, President

Shelli Muller, Secretary

Kathleen Hudson, Vice President

John Knochel, Member

TIPPECANOE COUNTY DRAINAGE BOARD

February 9, 2000

Regular Meeting

Those present were:

Tippecanoe County Commissioners Kathleen Hudson, John Knochel and Ruth Shedd, County Surveyor Stephen Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger and Drainage Board Secretary Doris Myers.

The Tippecanoe County Drainage Board met Wednesday, February 9, 2000, in the Tippecanoe Room of the Tippecanoe County Office Building, 20 North 3rd Street, Lafayette, Indiana with Commissioner Kathleen Hudson calling the meeting to order.

The first item on the agenda is to approve the minutes from the January 12, 2000, Regular Drainage Board Meeting and minutes from the January 21, 2000, Special Drainage Board Meeting. Commissioner Knochel moved to approve the minutes of January 12, 2000, Regular Drainage Board Meeting and January 21, 2000, Special Drainage Board Meeting, seconded by Commissioner Shedd. Motion carried.

Commissioner Hudson welcomed Stephen Murray, as new County Surveyor, to his first meeting with the Drainage Board.

CROSSPOINTE APARTMENTS SUBDIVISION

Wm. R. Davis with Hawkins Environmental gave presentation for Crosspointe Apartments Subdivision. This site is located east of Creasy Lane, south of Weston Woods Subdivision and east of the **Treعه Meadows Relief Drain**. The applicant proposes to construct apartments and associated parking. The stormwater management plan for this area was the subject of previous studies conducted as part of the Amelia Avenue extension over the **Treعه Meadows Relief Drain**. Two issues from C.B. Burke Engineering report to be discussed. First issue is ponding of waters on project. The parking lot plans were intended to pond 7" of water. Second issue concerning previously discharge channel that has been schematic approved for the drainage of this site. Their intention is to use this channel for draining this site. If not approved as is a modification can be brought before the board.

Commissioner Hudson asked Dave Eichelberger to explain about the wet bottom ponds.

Dave Eichelberger, Drainage Board Engineering Consultant, stated the previous stormwater management plan indicated that portions of this development would drain to proposed wet-bottom ponds prior to discharging to the **Treعه Meadows Relief Drain**. However, it does not appear these ponds are proposed as part of this subject development on their plans. Are these ponds already in place, are they going to be constructed as part of this project or are they going to have some interim outlet to the **Treعه Meadow Relief Drain** between now and then? If are wanting final approval may need to have condition that proposed ponds are constructed or proposed outlet is approved.

Steve Murray asked Wm. R. Davis what was their intent.

Wm R. Davis commented there is another project that has risen to this area. The project is not moving very rapidly. They want to get these projects temporarily constructed as did in schematic approval of wet-bottom channel as part of this project.

Commissioner Hudson asked if these outlets would be the ones carrying water over parking lot. Answer was no.

Commissioner Hudson asked what was going to be done about the water ponding over the parking lot area.

Steve Murray stated 7" water ponding over parking lot is allowable by ordinance. This is backwater from 100-year flood as composed to conventional ponding for storage in the lot.

Steve Murray asked if there was a duration limit.

Dave Eichelberger stated none that he is aware of.

Commissioner Knochel moved to grant final approval to Crossepoint Apartments Subdivision subject to the outlets being constructed as part of this project, seconded by Commissioner Shedd. Motion carried.

WABASH NATIONAL SITE DETENTION

Wm. R. Davis with Hawkins Environmental gave presentation for Wabash National Site Detention. This is a 340-acre site located north of C.R. 350 South, between Concord Road and U.S. 52. This is a schematic design for Wabash National and is the second time for reviewing this site. We are trying to come up with an overall plan for final development of Wabash National property. They are not placing structures, etc, but are determining the amount of improved surface they can have, what areas need to be stoned, types of drainage, etc. Currently there is a tile branch of **Elliott Ditch** traversing this property. At present a lot of water stands on this property. We are proposing how to move this water in a developed condition. Will be stoning parts of the property after constructing diversion ditches. Will be removing tile in the **Elliott Ditch** Branch and make open drain. The present detention pond is adequate for future use. Wm. R. Davis is asking for approval of schematic design for Wabash National Site Detention.

Dave Eichelberger suggests preliminary approval of the ditch network and final approval of the continued use of the existing detention pond.

Commissioner Knochel moved to grant preliminary approval of the ditch design for the Wabash National Site Detention and final approval for the drainage pond, seconded Commissioner Shedd. Motion carried.

WILLIAMS COMMUNICATIONS – FIBER OPTIC CABLE

Harold Elliott with Williams Communications gave presentation to install fiber optic cable communication system. This cable will stretch from Atlanta, Cincinnati, Indianapolis and through Chicago. Part of this system will go through a portion of Tippecanoe County. Have received permits for the road crossings. Had been working with Mike Spencer for permits on drainage ditches. They had sent a letter earlier, recommended by Mike Spencer, explaining what they were going to do. Mr. Elliott stated he thinks they should have a permit due to all the bonding, etc. Mr. Elliott's purpose for being here today is to go over project, find out for sure what they do want, and get bond, etc. ready for the next meeting.

Commissioner Hudson asked Mr. Elliott if he received Dave Luhman's letter.

Mr. Elliott's comment was yes. Mr. Elliott stated they have included what Mr. Luhman asked for. Mr. Elliott had a question on drawing for each ditch. Can they use what we use as a typical ditch crossing with it put to the ditch we are crossing? Instead of a complete profile of each ditch.

Dave Luhman asked if it would be similar to what is used on highways. If so, that would be adequate. Mr. Elliott commented yes. Williams Communications will furnish drainage board with a complete list of where line is as built.

Steve Murray stated he would like Mr. Elliott to give as much information possible to the contractor, so they can narrow down their area to start being aware that there may be a legal drain there.

Mr. Elliott commented there would be a crew out to survey each of the legal drains so contractor knows exactly where they start and will be. They are running a minimum of 42" below ground. Some of the survey work is being done now.

Steve Murray asked if they would trench or plow the lines.

Mr. Elliott stated the plan was to plow. When you go across ditches we know you can't plow. So we will be trenching these lines.

Steve Murray stated they would want the cable trenched not plowed. When you trench you can see turned up broken tiles. When you plow there is no visible evidence of broken tiles. May be 3 to 5 years before drain collapses and backs up. A lot of counties have gone too only allowing trenching now days as opposed to plowing.

Commissioner Knochel stated his concern was when turning up some private tiles who will repair. They want someone who is knowledgeable to do the field tile repair.

Mr. Elliott commented he had talked with Mike and would like for the drainage board to hire someone in our county to act as an inspector to find the legal drains and bill Williams Communications for that service.

Steve Murray commented his concern is finding an inspector. It doesn't matter if the drainage board hires or if Williams Communications hires. Stephen thinks it would be better if drainage board hired the inspector.

Mr. Elliott asked about a pay scale agreement. This can all be worked out when I come back for the next meeting.

Steve Murray asked what is your construction schedule.

Mr. Elliott stated this year, this spring. It depends on all the permits coming in and all the easements that are being required one way or the other.

Steve Murray felt comfortable with this if they are willing to work under the drainage board conditions.

Mr. Elliott suggested the \$5,000 bond might not be large enough. There is more potential damage than \$5,000.

Dave Luhman recommends \$25,000.00 bond. Wait on final draft at the March 1, 2000 meeting for details.

Mr. Elliott will return for the March 1, 2000, meeting with final draft and details.

2000 ACTIVE AND INACTIVE DITCH ASSESSMENTS

Mr. Luhman read the 2000 active and inactive ditch list

ACTIVE

Jesse Anderson	Delphine Anson	Julius Berlovitz	Michael Binder
A.P.Brown	Buck Creek	Orrin Byers	Train Coe
County Farm	Thomas Ellis	Christ Fassnacht	Issac Gowen
Rebecca Grimes	Fred Hafner	E.F. Haywood	Harrison Meadows
James Kellerman	Floyd Kerschner	Amanda Kirkpatrick	Frank Kirkpatrick
Calvin Lesley	John McFarland	Mary McKinny	Samuel Marsh
Ann Montgomery	F.E. Morin	Hester Motsinger	J.Kelly O'Neal
Aduley Oshier	Emmett Rayman	Franklin Resor	Aurthur Rickerd
Joseph C. Sterrett	Gustav Swanson	Nixon Wilson	Simeon Yeager
Jesse Dickens	Dismal Creek	Shawnee Creek	Kirkpatrick One
John Hoffman	Sarah Brum	HW Moore Lateral	Mary Thomas
Arbegust-Young	High Gap Road	Romney Stock Farm	Darby Wetherill Ext 2
Darby Wetherill Reconstruction			

INACTIVE

John Amstutz	E.W. Andrews	Dempsey Baker	Newell Baker
Nellie Ball	John Blickenstaff	NW Box	Alfred Burkhalter
Floyd Coe	Grant Cole	Jesse Cripe	Charles E. Daughtery
Fannie Devault	Marion Dunkin	Darby Wetherill	Martin V. Erwin
Elijah Fugate	Martin Gray	Thomas Haywood	George Inskip
Lewis Jakes	E.Eugene Johnson	James Kirkpatrick	John A. Kuhns
John McCoy	Wesley Mahin	Absalm Miller	Lane Parker
Calvin Peters	Peter Rettereth	Alexander Ross	James Sheperdson
John Saltzman	Ray Skinner	Abe Smith	Mary Southworth
William Stewart	Alonzo Taylor	Jacob Taylor	John Toohey
John VanNatta	Harrison B. Wallace	Sussana Walters	William Walters
McDill Waples	Lena Wilder	J & J Wilson	Franklin Yoe
Jenkins	Buetler/Gosma	S.W. Elliott	Hadley Lake Drain

Commissioner Knochel moved to approve the list of Active and Inactive Assessment for the year 2000, seconded by Commissioner Shedd. Motion carried.

OTHER BUSINESS

PETITION FOR ENCROACHMENT ON UTILITY & DRAINAGE EASEMENT LOT 63, RED OAKS SUBDIVISION

Steve Murray gave presentation of this petition for encroachment on utility & drainage easement Lot 63, Red Oaks Subdivision. The petition for encroachment reads as follows: The undersigned, John L. Maloney, who owns 609 Bur Oak Court, does hereby request permission of the Tippecanoe County Commissioners and the Tippecanoe County Drainage Board to encroach 25 feet into the utility and drainage easement at the rear side of their home on Lot 63, Red Oaks Subdivision, Wea Township, Tippecanoe County, Indiana, as shown on the diagram hereto attached and made a part of this petition. Diagram will be on file in surveyor's office. Stephen commented the real concern is the 25 feet encroachment will be too far down the bank and into the water level. This could be an obstruction if maintenance needs to be done to the bank for erosion purposes or pipe out fall. A 10-foot encroachment will bring to the top of bank. Stephen stated he would not recommend any more encroachment then to the top of the bank.

Commissioner Hudson asked if 10 foot would encroach into the utility and drainage easement.

Steve Murray commented without an actual survey tying the house to the lot lines we wouldn't know for sure. It would appear the 10-foot at the top of bank is roughly the easement line that they want to encroach into. If we do not grant requirement for encroachment they can not go any further than the top of bank.

Commissioner Hudson asked if Bill Augustin of Gunstra Builders was aware of this being on the agenda.

Steve Murray commented he had talked to Bill Augustin this week and thought he was aware of the agenda.

Commissioner Knochel asked if they wanted to build a deck and if it was already built.

Steve Murray answer was didn't believe so. Chris from surveyor's office had been out in the last month and took pictures. No deck was in the pictures.

Dave Luhman asked if they wanted to resubmit this petition for an amendment asking for a lower amount of encroachment. If the Drainage Board denies this petition they can resubmit another petition.

Commissioner Knochel moved to deny request for 25 foot encroachment on utility and drainage easement for Lot 63, Red Oaks Subdivision, Wea Township, Tippecanoe County, seconded by Commissioner Shedd. Motion carried.

CHICAGO TITLE INSURANCE COMPANY

Dave Luhman gave presentation regarding request of letter from Drainage Board to Chicago Title Insurance Company. The property is located at 3815 SR 38 E known as the **Kyger Bakery**. There has already been a dry closing on the sale. There are 2 buildings that come within the 75-foot easement. The Chicago Title Insurance Company in order to issue their title insurance need letter from Drainage Board acknowledging that buildings on this property were constructed prior to the requirement of the 1965 Drainage Act and are thus legally located structures and do not constitute illegal encroachments. Have tax records from Fairfield Township Assessors Office that show these structures were built in 1948. Dave Luhman presented Commissioner Hudson with letter on Drainage Board stationery for signature stating these structures were built prior to the requirements of the 1965 Drainage Act and are thus legally located structures and do not constitute illegal encroachments. Dave Luhman has reviewed this with Mr. Bumbleburg, who represents Kyger, and has his approval.

Commissioner Knochel moved president of Drainage Board to sign this letter stating the building were built before 1965 and do not constitute illegal encroachments, seconded by Commissioner Shedd. Motion carried.

Being no further business Commissioner Knochel moved to adjourn meeting, seconded by Commissioner Shedd. Meeting adjourned.

Kathleen Hudson, President

Doris Myers, Secretary

John Knochel, Vice President

Ruth Shedd, Member

Tippecanoe County Drainage Board
Minutes
January 16th 2002
Regular Meeting

Those present were:

Tippecanoe County Commissioners Ruth Shedd, John Knochel, and KD Benson, County Surveyor Steve Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultants Dave Eichelberger and Kerry Daily from Christopher B. Burke Engineering Limited, and Drainage Board Executive Secretary Robert Evans.

The Tippecanoe County Drainage Board met January 16th at 10:00 am in the Tippecanoe Room of the Tippecanoe County Office Building, 20 North 3rd Street, Lafayette, Indiana with Commissioner/President of the Drainage Board, John Knochel, calling the meeting to order. President Knochel stated that the first item on the agenda was the election of officers, and he turned the meeting over to Dave Luhman, the Drainage Board attorney.

Election of Officers

Mr. Luhman asked for nominations for the office of President of the Tippecanoe County Drainage Board. Ruth Shedd nominated KD Benson, and John Knochel seconded this. There being no other nominations made, Ruth Shedd moved that the nominations for President be closed. With John Knochel's second, the nominations were closed. KD Benson was then unanimously elected President of the Drainage Board.

Mr. Luhman offered his congratulations to President Benson, then solicited nominations for the office of Vice President of the Tippecanoe County Drainage Board. John Knochel nominated Ruth Shedd with Ruth Shedd seconding. There being no further nominations, John Knochel moved that the nominations be closed, with Ruth again seconding. Ruth Shedd was then unanimously elected Vice President of the Board. Mr. Luhman offered her his congratulations, and then turned the meeting over to President Benson.

Approval of December 4th 2001 Minutes

Ruth Shedd moved to approve the minutes as written, with John Knochel seconding. The motion carried.

Set Drainage Board Meeting Dates for 2002

The first Wednesday of every month was proposed for Drainage Board meeting dates, the time being 10:00 am and the location being set for the Tippecanoe Room. Ruth Shedd so moved, and John Knochel seconded. The motion carried, and the meeting dates were set for 2002. Meetings will be at 10:00 am in the Tippecanoe Room of the Tippecanoe County Office Building on February 6th, March 6th, April 3rd, May 1st, June 5th, July 3rd, August 7th, September 4th, October 2nd, November 6th, and December 4th.

Copper Beech Town Homes – Vester and Associates

Tim Beyer from Vester and Associates appeared to request conceptual approval for the drainage plan for Copper Beech Town Homes. With a drawing, he showed the location of the proposed development in relation to Point West, Klondike Road, and McCormick Road.

About 200 town home units are proposed for 13 acres. A detention pond is proposed for the northeast corner of the site. The reason they requested conceptual approval is that it's an unusual site. It is basically in a depressional area where stormwater runoff tends to pond on the site. They proposed running a storm sewer outlet pipe along the north line of the adjoining property, thence along the west side of the right-of-way of McCormick Road, tying into the ditch which passes through a culvert underneath an access drive to a home site. This ditch drains into a future phase of Wakerobin Estates Subdivision.

They proposed a very small 2.7 cfs release rate for their site. Modeling shows that this rate would have a negligible effect on the Wakerobin pond and any downstream watersheds. He added that a sanitary sewer is proposed to run alongside the stormwater pipe. Tim noted that the adjoining landowner was in attendance. He then responded to a question from KD by stating that a drainage plan would be designed according to any conceptual approval and submitted for Drainage Board approval.

Dave Luhman asked County Surveyor Steve Murray if the runoff from Wakerobin passes through the Tarvin area or have any impact on it. Steve replied that it did not. KD asked Mr. Swanson if he wanted to speak or to ask any questions at this point. Ed Swanson, the owner of the field that the proposed storm sewer would pass through came forward. Tim Beyer showed him the location of the wetland to be used for the proposed Wakerobin pond.

Mr. Swanson commented that he had a field in the area that had begun flooding after a 12-inch tile was cut in the past. He expressed concerns regarding the effect on his field of further water being moved through it. Steve Murray asked who cut the tile, and Mr. Swanson did not know.

Steve suggested that a positive outlet for this field could be provided as part of the design of the conceptual proposal before the Board. Mr. Swanson then mentioned that another field owned by a Richard Meyer had drainage issues as well. Steve then stated that he had had a conversation with Mr. Beyer in which he suggested that regrading the side ditch for McCormick Road be made part of any drainage plan to resolve the drainage problems in the immediate vicinity.

During further discussion, Steve stated that the wetland to be used for detention would be under the review of the Department of Natural Resources. He added that we are learning more about the benefits of wetlands, and that the IDNR watches effects of development on wetlands very closely.

Steve told the Board that asking for conceptual approval and working with adjacent and downstream landowners was a good approach. He stated that the Surveyor's office could support this conceptual plan, contingent on agreement with downstream landowners and agreement on the part of the developers to resolve some of the current drainage issues along McCormick Road as part of their design. He continued by stating that the Drainage Board needs to investigate the cut tile problem, that it would be inappropriate to ask the Wakerobin developers to straighten out a problem they did not create. Specifically, he thought that a problem with a driveway along McCormick Road which floods could be solved by regrading within the easement and perhaps providing an inlet to drain roadside water into the proposed storm sewer.

Ron Gatehouse from Copper Beech requested clarification as to the measures being contemplated by the Board which it might request or require the developers to take. Steve specified that there were other improvements that might be made during the next stage of Wakerobin which the Board should not ask Copper Beech to undertake as part of their development.

Ruth Shedd moved that the Board grant conceptual approval to this project, pending agreement with downstream landowners, and John Knochel seconded. There being no further discussion, the motion carried.

Woodfield Village – Schneider Corp.

This project was continued until the February 6th meeting.

Prophet's Ridge – Congdon Engineering Associates

Brian Sullivan from Congdon appeared to request Drainage Board approval for Prophet's Ridge Subdivision. He described the location as being approximately 1100 feet south of County Road 500 North, on the west side of County Road 75 East. It is a 47.8 acre site, on which they proposed to construct 183 lots. There are several offsite drainage basins that they are accepting onto their property and routing through their detention facilities as a part of their plan. Most of these come from the south and the east. They proposed three detention facilities on site to provide the detention required by Ordinance.

Their discharge was to be out of a multi-staged weir outfall on the westernmost detention pond. Off of that outlet, they proposed building some energy dissipation blocks. Because there is no legal drain directly on the site, they were dissipating the discharge so that when the water reached their property line it would be moving in sheet flow, which matches the existing conditions on the site.

KD asked if notification to downstream property owners had been made as required by Ordinance. Mr. Sullivan indicated that it had not been, but that they were aware of the requirement and would be fulfilling it. He then added that a prior development by a different developer on the site had not been completed due to inability to reach an amicable agreement with downstream landowners for offsite improvements designed to convey stormwater to a Regulated Drain. Steve Murray stated that he was aware of earlier attempts to develop the land in question, and that it was one reason he had for concern, and that the Drainage Board Engineering Consultant and the Surveyor's Office position was that no recommendation for approval could be made without the opportunity for participation of downstream landowners.

He therefore recommended that Prophet's Ridge Subdivision be continued by the Board until the February 6th meeting. Ruth Shedd so moved, John Knochel seconded, and there being no further discussion, the motion carried.

Ivy Tech, Ross Building – Fink, Roberts, and Petrie

Brian Waltz from Fink, Roberts, and Petrie appeared to request final approval for the expansion of the Ross Building and the adjacent parking lot. The proposal would add only two tenths of an acre of impervious ground to the site, so they were not

proposing any additional detention on site. He referred to a letter from Burke Engineering that recommended approval on that basis.

With a drawing, he then showed the current drainage system, along with the extensions proposed concurrent to the building and parking lot additions. Building drainage would come off at basement level and be picked up in an area that was currently sheet flow drainage. The existing outlet would still be utilized under the proposed plan.

Steve Murray stated that since the location is inside the city, the Board's task was to review and approve any impact on the Elliott Ditch. He stated that the Surveyor's Office was prepared to recommend approval with the conditions listed on the Burke memo of January 2nd 2002. He added for the record that an additional condition that the developer consult with and receive approval from the City of Lafayette be added.

Ruth Shedd moved that approval be granted with the conditions as specified, John Knochel seconded, and there being no further discussion, the motion carried.

Active/Inactive Ditch List

A list was provided to the Board showing all the Regulated Drains and Ditches, along with their recommended status as active or inactive for 2002. Several of these are Joint Ditches or Drains, whose Tax assessments from Tippecanoe County acreage are collected by us and sent to the other County which administers the Drain or Ditch in question. The Surveyor's Office had not yet received notification of the status of five of these from the administering County.

Ruth asked whether changes in the assessments were done individually for each Ditch, and the answer was yes. Steve discussed the details of the processes by which assessments are enacted or changed.

Ruth then moved to accept the active/inactive ditch list as recommended. KD expressed appreciation of the level of detail provided in the summary of Ditches, accepted John Knochel's second of the motion on the floor, and there being no further comment, the motion carried.

Burke – Proposal for Engineering Review Contract.

Steve Murray commented that there is no \$35,000.00 limit included this year due to the elimination of the 10 free hours of engineering review, and the formation of a revolving fund for engineering reviews to be handled from. Drainage Board Attorney Dave Luhman indicated that the contract was acceptable, and stated that the Auditor had only to set up the fund as authorized by the County Commission and Council. Steve then recommended approval of the proposed contract for professional engineering services to be provided to the Board by Christopher B. Burke Engineering Limited. He noted a modest increase in the rates charged for services, which he fully supported.

Ruth moved that the contract be approved, John Knochel seconded, and the motion carried.

Burke – Proposal for NPDES Phase II Stormwater Work.

Steve reviewed the status of NPDES Phase II work, including the agreement between Purdue University, Lafayette, West Lafayette, and Tippecanoe County to share costs and coordinate a countywide plan. The total fee is \$150,000.00. The County's share in the proposal is \$55,000.00, or 36.667%. Purdue and Lafayette had forwarded written approval, West Lafayette was due to sign, and Steve summarized this as a great cooperative effort. He recommended signing the proposed contract by the Board.

Ruth moved that the contract be approved, John Knochel seconded, and the motion carried.

Burke – Proposal for Engineering Services; "F" Lake Regional Detention Basin Design.

Steve reviewed this long ongoing project, and the need for the drainage basin to be designed and built on for the land owned by the County and intended for this purpose. He stated that upstream developers would be charged the current rate for detention storage, currently \$15,000.00 per acre/foot, to recoup the costs of design and eventual construction. A fee was negotiated with Burke for this in the amount of \$59,700.00. Given the estimated cost of construction, Steve found this to be a reasonable fee, and he recommended that the Board accept this proposal to move the project forward.

Ruth moved that the contract be approved, John Knochel seconded, and the motion carried.

Hoffman, Luhman, and Busch – Proposal for Drainage Board Attorney services contract.

Steve recommended approval of the proposed contract.

Ruth moved that the contract be approved, John Knochel seconded, and the motion carried.

Steve Murray, Miscellaneous Items

Checking on reports from property owners, Steve found that the original assessment for Hoffman Ditch number 101 was \$10.00 per acre, a very high rate. Mr. Spencer intended for that rate to run only for about three years. It has run for about ten years, so he recommended that the Board look at going through the proper procedures to reduce that no later than March. He stated that the relevant statute seems to indicate that the rate may be reduced without a public hearing process. He requested Board approval to contact the other two Counties to arrange a joint Drainage Board meeting. He would bring them up to date on the history, provide a summary of income and expenditures, and on that basis to decide on an appropriate lower rate. He added that Clinton and Carroll Counties owe back taxes, that the Surveyor's Office had tried to resolve this by contacting them directly, but that this hadn't succeeded so it had been turned over to Mr. Luhman to pursue. He predicted that the Ditch would be inactive for several years, but that we would keep the other Counties active until their payments were up to date.

Ruth moved that the Board direct Mr. Murray to set up the tri-County Drainage Board meeting, John Knochel seconded, and the motion carried.

Steve then remarked on the financial state of some of the Ditches, and reviewed some of the research and prep work he has put into the issue of getting all regulated Drains on solid financial footing. As an example, he referred to the Huntington County Drainage Board where they do increase the assessments by 25% as allowed by law without hearings, using a notification letter. He stated his intent to prepare a report on the financial and physical condition of the Regulated Ditches and Drains, and also a report summarizing the petitions currently before the Board to organize new Regulated Drains or Ditches. He recommended that the Board work through these in an orderly fashion.

Steve then reviewed the process prescribed for acting on these petitions or for changing assessments. This includes notification of landowners, and the holding of public meetings.

He then informed the Board that the State raised the minimum assessment rate for ditch assessments, and his office was looking into whether we needed to raise the minimum to comply with that statute. He then strongly recommended that the Board look towards a comprehensive process of reviewing and adjusting as needed the current ditch assessments.

Ruth Shedd indicated that she would like the Surveyor's Office and the Drainage Board move forward on these projects.

Other Business

Ruth moved that the Board adjourn, John Knochel seconded, and the motion carried.

KD Benson, President

Ruth E. Shedd, Vice President

Robert Evans, Secretary

John Knochel, Member

**Carroll County / Clinton County / Tippecanoe County
Hoffman Ditch
Tri-County Drainage Board Meeting
Minutes
March 6th 2002**

Those present were:

Tippecanoe County Commissioners Ruth Shedd, John Knochel, and KD Benson, Carroll County Commissioner Bill Brown, Clinton County Commissioner Bernie Newhart, Tippecanoe County Surveyor Steve Murray, Carroll County Surveyor Wayne Chapman, Clinton County Surveyor Selma Ridenour, Tippecanoe County Drainage Board Attorney Dave Luhman, and Robert Evans and Brenda Garrison, employees of the Tippecanoe County Drainage Board.

The Tri-County Hoffman Ditch Drainage Board met March 20th 2002 in the Tippecanoe Room of the Tippecanoe County Office Building, 20 North 3rd Street, Lafayette, Indiana with Tippecanoe County Commissioner John Knochel calling the meeting to order.

Hoffman Ditch

Steve Murray began the discussion with a brief history of the Hoffman Ditch. The maintenance Fund was established in 1990 with an assessment of \$10.00 per acre. The intent was for the rate to remain at that level for three or four years, following which the Tri-County Drainage Board would consider lowering the rate. Ten years had passed, the majority of the work had been completed, and several landowners had contacted the Tippecanoe County Surveyor's Office to ask about lowering the rate. The Fund balance was \$35,649.22 on March 20th, but there were some back assessments due from Clinton and Carroll Counties.

To date, \$57,735 had been spent on tile repairs or replacement. Along with the tile repair, the Board had agreed to do work on the surface of the Drain. To date, \$57,960 had been spent on grading, dredging, and removal of vegetation and other surface obstructions. \$13,056 had also been spent on materials for various repairs. The average yearly amount for incidental tile repairs had been \$4401. Divided by the number of benefited acres, that amounts to roughly \$2.00 per acre per year.

Steve then reviewed the major work that had been done along the main branch and the several laterals of the Drain. The first thing done was to establish a positive outlet at Tippecanoe County Road 900 East, where the outlet had been submerged. They went about 1000 feet downstream clearing that, and then started to do work upstream. One surface obstruction remained on the Frey property in Clinton County where there was a two-foot increase in bottom grade from the upstream Rinehart property. Mr. Frey had been unwilling to allow work on his property to resolve that problem.

In closing, Steve remarked that changing the assessment would lower the four-year assessment to a level under the current balance in the Fund, so that the Drain would have an inactive status for a few years. Work on the Frey property would lower the balance somewhat.

In response to a question from Bernie Newhart, Steve indicated that he would authorize the Fund's paying the 10% landowner share of a Soil and Water Conservation District open waterway project to get the tile removed and a surface channel re-established on the Frey property. Mr. Newhart indicated willingness to talk to Mr. Frey to get the work done. Steve stated that he understood Mr. Frey's reluctance to take land out of production, but damage was occurring upstream.

Steve added that reducing the rate required Board action, but did not require a public hearing. Reading of earlier minutes showed the Board did intend to have a public meeting when they met to consider lowering the assessment. Attorney Dave Luhman indicated that no certified mailing would be required to give notice of a meeting to reduce the assessment, provided the percentage share paid by each landowner would not change. Steve added that while discussion about the amount of the new rate would take place, the repair cost history was a very good tool to reach consensus on it. Ms. Ridenour and he agreed that \$3.00 per benefited acre was a prudent level to consider.

Records showed that Clinton County had not paid its assessment from 1998 or 1999, and that Carroll County had not paid in 1998. A further search of county records showed that none of the three counties has record of notification from Tippecanoe County to the other counties to assess in those respective periods.

Discussion between Board members, the County Surveyors, and Dave Luhman centered on suspending the Tippecanoe County ditch assessment but leaving assessments in place for one and two years longer for Carroll and Clinton Counties

respectively, so that the Fund would be brought into balance. After that time, the hearing for lowering the assessment could be held. The next time the Drain had active status, it would then be at a lower rate as determined by the Tri-County Drainage Board.

Research by the Tippecanoe County Surveyor's Office had verified that at least one of the Clinton County landowners, a C. J. Baker, had not been assessed for the ditch during 1998 and 1999, as well as in the preceding years where it was inactive. Ms. Ridenour indicated that she would check the Clinton County history to verify that no assessments had been collected for the two years that none were paid into the Fund.

Bill Brown then summarized three available options. The first was to leave the imbalance in payments unchanged, which would be unfair to Tippecanoe County landowners. The second was to assess at a double rate on Clinton and Carroll Counties until the balance was reached, and that would not have been acceptable to residents in those counties. The third option was to suspend the assessment for Tippecanoe County and then Carroll County until Carroll and then Clinton County landowners' contributions reached the appropriate balance.

Mr. Brown made a motion that the assessment be suspended for Tippecanoe County for a period of time until all three counties had been assessed their pro-rata share of the assessment, at which point all three counties would resume normal assessment practices. Bernie Newhart then seconded the motion, and the motion carried unanimously.

Steve Murray and Dave Luhman then recommended to the Board that the three Surveyors do the research to verify what assessments had been paid and which were still due before acting on any future reduction in the per-acre assessment rate. It was then agreed that another meeting would be called on the issue of assessment rate reduction.

There being no further discussion, a motion was made and passed to adjourn the meeting.

Bill Brown, Carroll County Commissioner

Bernie Newhart, Clinton County Commissioner

Robert Evans, Secretary

John Knochel, Tippecanoe County Commissioner

Tippecanoe County Drainage Board
Minutes
July 7, 2004
Regular Meeting

Those present were:

Tippecanoe County Drainage Board President John Knochel, Vice President KD Benson, member Ruth Shedd, County Surveyor Steve Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering Limited, County Highway Engineer Tim Wells, Drainage Board Secretary Brenda Garrison and GIS Technician Shelli Muller.

Approval of June 2, 2004 Minutes

KD Benson made the motion to approve the June 2, 2004 Regular Drainage Board minutes as written and Ruth Shedd seconded the motion. The June 2, 2004 Regular Drainage Board minutes were approved as written.

Lauramie Creek Watershed Plan Contract/ Christopher B. Burke Engineering LTD.

The Surveyor presented contract documents for the Lauramie Creek Watershed Plan with Christopher B. Burke Engineering LTD. Dave Luhman stated he had reviewed the contract and had no negative comments. The contract in the amount of \$94835.00 covered professional services for completing the Section 205(j) funded Watershed Management Plan for Lauramie Creek. There would be four main tasks: Public Outreach and Education, Developing a Quality Assurance Project Plan, Water Quality Monitoring and produce a Watershed Management Plan. The Surveyor then recommended the Drainage Board sign the contract with Christopher B. Burke Engineering LTD as presented. KD motioned to approve the Lauramie Creek Watershed Contract with Christopher B. Burke Engineering LTD in the amount of \$94835.00. Ruth Shedd seconded the motion and the Lauramie Creek Watershed Plan contract with Christopher B. Burke Engineering LTD was signed.

Drainage Issues (related to the recent rainfall amounts)
Anson Ditch

John Knochel opened the floor for public comment concerning any drainage issues as a result of the recent rainfall amounts. Joe Bumbleburg appeared before the Board and introduced Ernest Agee. Mr. Agee a professor of Meteorology, resided at 8533 N 100 West Cairo Indiana. He stated his concern for lack of drainage in that area. A farmer northwest of his property had installed a tile system which outlet on his property. The farmer had told him the work was approved. The actions of the farmer had caused an increase in drainage onto his farm. He shared his discontent with the farmer's actions and felt the farmer had not followed drainage laws. He felt due to the drainage assessment of the Anson drain; a solution to the area's problem should be forthcoming. He stated the ditches in that area were not cleaned out regularly. The Surveyor made several site visits to the area in the last few years. He stated along with the tiling (which he was unaware of) an extensive waterway network (through NRCS) was installed upstream of Mr. Agee as well. He had reviewed aerial photographs (from 1939 on), which indicated a significant increase of the wetland area, in particular, arials through the 1960s, 70's and 1980s. He reviewed the area on the overhead for the Board and attendees using GIS. Mr. Agee thanked the Board for their time. Mr. Bumbleburg again approached the Board and noted the attendees had been invited here today by Mr. Homer Shaffer to discuss the Anson Ditch and poor drainage of the area. Mr. Homer Shaffer 8448 North 100 West displayed several photographs for the Board. He stated he had lived on the "mosquito" farm for 35 years. He reviewed and discussed each photograph with the Board. Mr. Shaffer noted a photograph of Mr. Agee's property, north of 850 North, showed standing water 25 days after the May 16th one-inch rain. In his opinion a headwall located at the Brown and Dunbar property line with an open ditch through Agee's property would help alleviate the problem. He expressed his concern of what he thought was lack of maintenance on the Anson tile. Mr. John O'Connor of 8451 North 850 West approached the Board. He recently purchased the farm from his parents and felt the area's increased development had aggravated the drainage problem. His father had purchased the property in the 1940's and had extensive files of drainage work done in the 1950's. He offered his father's file for reference, however he would need time to produce it for the Surveyor if requested. John Gambs represented Will & Kate Crook and stated they would support whatever was needed to get the drain in working order. Herb Pietsch 7741 North 100 West approached the Board. He had lived in the area since 1988. He had approximately 7 acres with 2-3 under water. He stated the area's drainage had deteriorated the last 4 or 5 years and stressed the need for maintenance. Mr. Brice McCarty 14363 W 850 North appeared before the Board and also expressed his discontent with drainage on his farm. He

lived in that area for 38 years. He stated he had 10 acres under water and had been waiting for 30 years for something to be done about his drainage.

At that time the Drainage Board Attorney gave a summary of past and current drainage laws as well as the process of county drain maintenance. The Surveyor then stated drainage code also called for a periodic short and long-range plan to be submitted to the Drainage Board by the County Surveyor. Such a plan was presented to the Board in 2003 which reported the two top drains in need of major work (maintenance and/or reconstruction) as the Jakes ditch and Anson drain. The Anson drain had 44,238 feet of tile with a watershed of approximately 1250 acres. The Surveyor's office had started an investigation of the drain to determine the problems. The Anson drain was organized as a court drain and built in 1903. In the early 1970's an assessment was set up at \$1.00 per acre. The annual amount collected was \$1562.00. The Surveyor stated the amount was just enough to take care of blowholes and in the last ten years had been used for that purpose. He reviewed some of the known problems with the drain and costs associated with the repairs. He stated IDEM would not allow an open ditch through the wetland area. However repair of the tile at the existing route using the same size and same infiltration rate would be allowed by IDEM. Once the problems were thoroughly investigated by the Surveyor's office, a hearing would be called and the rate of assessment be raised to cover cost of improvements. Landowners would be notified by mail with all pertinent information relating to the proposed assessment in the letter. He then opened the floor for questions. Steve Wright from Bank One Farm Mgmt. represented the Anson farm. He asked the Surveyor if trees would be removed on the drain when the maintenance and/or reconstruction were underway. The Surveyor stated yes as tree roots cause a great deal of problems and the surface flow would be looked at also. Mr. Bumbleburg asked the Surveyor if he had an estimate of when the hearing would be scheduled. The Surveyor noted weather conditions and amount of work involved would determine when the meeting would be held. He felt the fall of this year was likely.

Celery Bog

Chuck Corn approached the Board and asked the Surveyor if he had a chance to arrange a meeting with the Great Lakes Chemical Corporation and West Lafayette concerning the Celery Bog. The Surveyor stated since the meeting last week with West Lafayette's Engineer, he had not spoke with anyone. The Surveyor stated water was no longer across Cumberland Avenue and was receding slowly. Mr. Corn stated he would stay on top of the situation.

At this time the public comments were ended. John Knochel thanked the landowners who had attended. Ruth Shedd suggested the Anson Ditch landowners come to an agreement on a fair figure for assessment.

Due to the recent rainfall, the following drains were noted by the Surveyor as in need of maintenance; J.R. Hoffman, J.N. Kirkpatrick, Anson, McKinney, Elliott, Waples McDill, Ann Montgomery, Kirkpatrick One, J. K. O'Neal and the Cuppy McClure which drained the celery bog. He stated his office had been out every day checking drains. There were also problems on Indiana Creek however DNR had the jurisdiction. There had been several subdivision drainage calls and his office was following up on those as well.

At that time as there was no other business before the Board, KD Benson motioned for an adjournment and Ruth Shedd seconded the motion. The meeting was adjourned.

John Knochel, President

KD Benson, Vice President

Brenda Garrison, Secretary

Ruth Shedd, Member

TRI - COUNTY DRAINAGE BOARD
Tippecanoe, Carroll, Clinton Counties
John Hoffman Drain #101 Hearing
Minutes
September 29, 2004

Those present were:

Tippecanoe County Commissioner John Knochel, Carroll County Commissioner Bill Brown, Tippecanoe County Surveyor Steve Murray, Clinton County Surveyor Selma Ridenour, Tri County Drainage Board Attorney Dave Luhman, Tri County Drainage Board Secretary Brenda Garrison, and Tippecanoe County GIS Technician Shelli Muller. Clinton County Commissioner Bernie Newhart and Carroll County Surveyor Wayne Chapman were absent.

Approval of March 6, 2002 Minutes

Commissioner Knochel motioned to approve the March 6, 2002 Tri-County Drainage Board minutes. Commissioner Bill Brown seconded the motion and the March 6, 2002 Tri-County Drainage Board minutes were approved as written.

John Hoffman Drain #101

Commissioner Knochel opened the hearing and referred to Tippecanoe County Surveyor Steve Murray. Surveyor Murray stated the primary purpose of the hearing was to reduce the \$10.00 assessment rate set at the May 1990 Hearing. After a review of those minutes, it was determined the reduction from \$10.00 per acre to approximately \$3.00- \$4.00 per acre after 3-4 years was the intention of the Board at that time. Repairs to the tile and a majority of the surface work planned at that time were completed. Surveyor Murray indicated he would like the Board's input on completing the surface work. At the March 6, 2002 hearing it was decided once the Counties' assessments were caught up, a reduction would be determined. At this time all Counties' assessments were paid to date. The current balance of the drain fund was \$54,143.00.

Due to approximately ten inches of rain this past year, almost \$7000.00 of repairs had been completed to date. Surveyor Murray anticipated more repairs would be warranted once the crops were harvested. He noted problem areas located at the intersection of the East County line of Tippecanoe, the South County line of Carroll, and the North County line of Clinton County. An inspection of that area was planned once the crops were out. He reviewed the maintenance costs over the last four years and stated the rate of \$3.50 per acre would be appropriate. This amount would generate \$8454.93 annually and over a four-year period, \$33,819.72. He stated barring any unforeseen repair costs, the drain should be inactive for 2-3 years. He recommended reducing the rate to \$3.50 per acre.

In response to Commissioner Knochel's inquiry, Surveyor Murray stated he had spoken with local landowner Mr. Frye on several occasions, and felt the major problem was located at the line between the Skiles and Rinehart property line. Mrs. Frye was in attendance. She agreed and stated it was mainly swamp area. Surveyor Murray reviewed the area with her and stated while Mr. Frye had been very cooperative about reworking the surface, he had indicated that Mr. Skiles was not interested in any repair work on his property. Surveyor Murray felt without the authority of the Board to make the repairs and without Mr. Skiles' permission to enter his property, maintenance was inappropriate at that time. The Skiles property was flat and needed approximately two feet at the extreme Eastern end trimmed out and tapered down for proper flow. Mrs. Frye noted she had notified Mrs. Skiles of the meeting today. Mrs. Skiles was not in attendance. Commissioner Brown asked if there was a problem going onto the Skiles property to do the maintenance needed. The Attorney acknowledged it was always better to have the owner's permission, however he stated the Surveyor had the right to maintain the drain in working order. While some farmers might be inconvenienced by the maintenance work, it was necessary for the benefit of all owners within the watershed. Surveyor Murray then stated part of the problem in the area downstream was farming within the surface waterway.

Malcolm Miller stated he would like to see the surface drain maintained, as silt had built up through the years. Surveyor Murray stated they would take elevation shots of the area. He had walked the drain several times and inspected north of Clinton and Carroll Counties' line. Photographs taken had indicated ponding on the Rinehart property. Herschel Smith also agreed that surface work was warranted. Surveyor Murray stated regrading of the surface would relieve the problem while taking the load off the top of the tile as well. He stated downstream farming across the waterway was part of the problem and felt it should be avoided from a maintenance standpoint.

Mr. Miller expressed concern whether there would be sufficient funds in the account to keep the drain maintained in proper working order. Surveyor Murray felt there were sufficient funds for maintenance, while leaving the assessment inactive for 2-3 years. Mr. Miller then expressed concern for culverts being undersized and felt they should be replaced. Surveyor Murray stated as the work continued, they would inspect the lower section and double-check the culverts to make sure they were not grossly undersized. He recommended to the Board that they complete the surface work and maintain the tile as needed. He then inquired about notifying Mr. Skiles of the anticipated maintenance. The Board agreed with Surveyor Murray regarding sending Mr. Skiles notification of today's meeting and the minutes, and the anticipated drain maintenance on his property.

Since the law allowed for a reduction without the process of hearings, the Attorney advised the Board they could reduce the rate again in the future if warranted. Surveyor Murray then increased his rate recommendation to \$4.00 per acre after conferring with Clinton County Surveyor Selma Ridenour.

Commissioner Bill Brown asked the attendees what their recommendations were. Mr. Miller stated he would not mind if it stayed at \$10.00 per acre. Mr. Herschel Smith stated he was fine with \$4.00 per acre. Jennifer Frye stated she agreed with Mr. Smith.

Surveyor Murray then recommended setting the rate at \$4.00 per acre. Commissioner Brown made the motion to reduce the rate to \$4.00 per acre, and Commissioner Knochel seconded the motion. The John Hoffman #101 Drain's assessment rate was reduced from the existing rate of \$10.00 per acre to \$4.00 per acre when active on the assessment rolls.

Surveyor Murray stated he would notify the Tippecanoe, Carroll and Clinton County Auditors of the assessment rate reduction to \$4.00 per acre by letter, and copy the County Surveyors.

Commissioner Brown motioned for adjournment and Commissioner Knochel seconded the motion. The Tri County Drainage Board meeting was adjourned.

John Knochel Tippecanoe County Commissioner

Bill Brown Carroll County Commissioner

Brenda Garrison, Secretary

ABSENT

Bernie Newhart Clinton County Commissioner

Tippecanoe County Drainage Board
Minutes
June 7, 2006
Regular Meeting

Those present were:

Tippecanoe County Drainage Board President KD Benson, Vice President John Knochel, member Ruth Shedd, County Surveyor Steve Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Kerry Daily from Christopher B. Burke Engineering Limited, and Drainage Board Secretary Brenda Garrison.

Approval of Minutes

John Knochel made a motion to approve the May 3, 2006 Regular Drainage Board minutes as written. Ruth Shedd seconded the motion. The May 3, 2006 Regular Drainage Board meeting minutes were approved as written.

Clarian Arnett Hospital/Early Release Grading Plan

Jon Perry of Gresham Smith and Partners appeared before the Board to request final approval for the Early Release Grading Plan. The overall site consisted of 115 acres located east of County Road 500 East south of McCarty Lane. Mr. Perry stated his request today did not include hospital construction or site infrastructure. The grading plan consisted of approximately 62 acres of the overall site and involved approximately 400,000 cubic yards of material. Vegetated swales, filter strips and a sediment basin would be utilized to satisfy the water quality requirements. He requested final approval for the Early Release Grading Plan as presented to the Board.

The Surveyor stated the Felbaum Branch of the Berlowitz Regulated Drain ran along the east side of the site and was to be located before the mass earthwork was started. To his knowledge it was vacated to the south and intercepted into the new storm sewer along the east side of 500 East. He added that generally regulated drain easements are approximate and it would be prudent to field locate said branch. An onsite investigation would be required to ensure the location of said branch to verify the June 1, 2006 Burke memo statement of no variances or encroachments proposed.

The Surveyor recommended final approval for the Clarian Arnett Hospital Early Release Grading Plan with conditions listed on the June 1, 2006 Burke memo in addition to the field verification of the Felbaum Branch location before earth work begins. John Knochel made a motion to grant final approval for the Clarian Arnett Hospital Early Release Grading Plan with conditions as listed on the June 1, 2006 Burke memo in addition to a field verification of the Felbaum Branch location. Ruth Shedd seconded the motion. The Clarian Arnett Hospital Early Release Grading Plan was granted final approval with conditions.

West Branch Tippecanoe County Library

Kent Schumacher with Troyer Group appeared before the Board to request final approval for the West Branch of the Tippecanoe Library. The site was located within the Lindberg Village Development on the northeast corner of County Road 200 North (Lindberg Road) and Cushing Drive just west of County Road 300 West (Klondike Road). A portion would drain to the right of way of Lindberg Road and Cushing Drive, with the remaining directed north through a swale into an existing storm sewer system connected to a detention basin within the development.

The Surveyor stated this plan was in compliance with the original approved plan for the Lindberg Village Development and recommended final approval with the conditions as stated on the May 18, 2006 Burke memo. John Knochel made a motion to approve the West Branch Tippecanoe Library with the conditions as stated on the May 18, 2006 Burke memo. Ruth Shedd seconded the motion. The West Branch Tippecanoe Library was granted final approval with conditions.

Wabash Township Fire Station #1

The Surveyor presented Wabash Township Fire Station #1 to the Board, located in a minor subdivision on County Road 300 West (Klondike Road). The Surveyor noted the existing Stormwater Ordinance granted Surveyor's discretion on determination of minor subdivision drainage board approvals depending on their size. ~~He~~The site was reviewed by the Board utilizing GIS. In order to expedite the process for the Township, he stated he had given the Area Plan Commission approval for this project so they may proceed on the final plat process. A First Amendment to the Storm Sewer Easement was provided granting the fire station approval for partial construction in the existing storm sewer easement along the south side of the site. The proposed drainage plan indicated a reduction in the discharge rate and impact on the existing 18" culvert under County Road 300 West (Klondike Road). The Surveyor recommended final approval with the conditions as stated on the May 30, 2006 Burke memo. John Knochel made a motion to grant final approval for Wabash Township Fire Station #1 with the

conditions as stated on the May 30, 2006 Burke memo. Ruth Shedd seconded the motion. The Wabash Township Fire Station #1 was granted final approval with conditions.

TSC South Elementary School aka Woodland Elementary

Pat Jarboe with TBIRD Designs Inc. appeared before the Board to request final approval for the TSC South aka Woodland Elementary School project. The site consisted of approximately 33 acres on the north side of County Road 450 South and approximately 1 mile east of County Road 250 East. The site would be accessed from a proposed road off of County Road 450 South. Mr. Jarboe stated the site was located within the J.N. Kirkpatrick Regulated Drain Impact Area. The JN Kirkpatrick Regulated Drain proposed reconstruction would adjoin the north side of the site and serve as the final outlet. In cooperation with the County Surveyor's office, temporary detention basins would be constructed and utilized until said reconstruction was complete. He was in agreement with conditions on the May 26, 2006 Burke memo and would continue to coordinate this project with the Surveyor's office. He requested final approval for the project as presented.

The Surveyor stated they have had several meetings with TBIRD Designs and the School Corporation concerning this project as well as multiple meetings with landowners in the Upper JN Kirkpatrick watershed concerning the Reconstruction of the Upper End east of Concord Road. The new open ditch construction was on track. There would be some property cut off due to the new open channel. The various parties involved (L.U.R., Lohrman, Daugherty Farms, and Kirkpatrick) were in discussions regarding adjoiner agreements. To his knowledge they were partially complete. He was in possession of a final set of reconstruction plans and felt the Drainage Board's Consultant would have the project ready for letting no later than August or September. While the temporary outlet swale would provide a positive outlet for the detention pond, he believed the new channel would be in construction before there would be a need for it. Therefore under Variance/Encroachment of the May 26, 2006 Burke memo it should be changed to read "The temporary offsite swale must be completed by the time a request is submitted for Certificate of Occupancy" He stated he felt the ditch would be constructed and the School Corporation would not need to spend the additional funds. The detention ponds would need to be constructed.

The Surveyor recommended final approval with conditions as stated on the May 26, 2006 Burke memo with the exception of the revision under Variance/Encroachment to read "The temporary offsite swale must be completed by the time they request a Certificate of Occupancy". Pat Jarboe added they would continue to work with the Surveyor's office on the sequencing of both projects. John Knochel made a motion to grant final approval for the TSC South Elementary School aka Woodland Elementary with the conditions as stated on the May 26, 2006 Burke memo with the exception of the revision under Variance/Encroachment to read "The temporary offsite swale must be completed by the time they request a Certificate of Occupancy". Ruth Shedd seconded the motion. The TSC South Elementary School aka Woodland Elementary School was granted final approval with conditions.

Watkins Glenn Part 6 Phase 2

Robert Gross and Paul Dietz from R.W. Gross and Associates appeared before the Board to request final approval for Watkins Glenn Part 6 Phase 2. The site consisted of approximately 17 acres located on the west side of County Road 400 East north of County Road 200 North. Mr. Gross stated this would be the last phase of Watkins Glenn South. He stated Pond A and Pond B were located in Part 5 of the subdivision and were constructed with extra capacity in anticipation for the routing of a planned detention pond located in the northwest corner of Part 6 to the said existing ponds. However with the construction of Polo Fields Subdivision, Pond B would be utilized to a greater degree. Paul Dietz stated the project area was surrounded by vegetated two foot bottom swales on the south, west and east sides. In response to the Surveyor's inquiry, Paul stated there was no impact on the elevation of Pond A. The Pond B level would increase however it was in compliance with the existing Ordinance, as there was a considerable amount of reserve in Pond B. The site was reviewed on GIS by the Board. The Surveyor noted proof of notification to the downstream owners should be provided to the Surveyor's office.

The Surveyor then recommended final approval with conditions as stated on the May 23, 2006 Burke memo. In response to KD's inquiry, he stated the ponds had addressed the water quality issues set forth by the Ordinance. John Knochel made a motion to grant final approval with the conditions as stated in the May 23, 2006 Burke memo. Ruth Shedd seconded the motion. Watkins Glenn Part 6 Phase 2 was granted final approval with the conditions.

Eastatoe Phase 1 & 2

Paul Diets from R.W. Gross and Associates appeared before the Board to request final approval for the Eastatoe Phase 1 & 2, a minor subdivision. The site consisted of approximately 24 acres located on the northwest corner of County Road 850 East and State Road 26. The Surveyor interjected the project was bordered by a "natural stream" (unnamed tributary to Wildcat Creek) and not the Hoffman Regulated or the Hangst Drain. Photographs of the existing conditions of said stream were added to the project file. Paul stated while a small amount of the site outlet to a side ditch at 850 East, the majority would ultimately outlet to the stream. He noted the three foot bottom swales were vegetated and check dams would be utilized to minimize erosion. He then requested final approval for Eastatoe Phase 1 & 2 Minor Subdivision.

The Surveyor (after an onsite visit) had met with a property owner to the north who expressed concern to his office. He assured the landowner the overall runoff would be decreased through two of the ravines with one of the three remaining equal due to the fact the site was being converted from agricultural ground to a grassed site. The Surveyor noted under Stormwater Quality of the May 23, 2006 Burke memo condition 2 should be well defined (through the restrictive covenants or other means) to ensure minimal erosion of the steep ravines. In response, the developer Mr. Greg Sutter confirmed they would assure this through the Restrictive Covenants. The Surveyor stated each individual site plan would be reviewed to ensure requirements were met. He stated while making an onsite visit, there was burnt remains at the top of a ravine which needed to be addressed by removal or some other means - as this was not sufficient fill. He recommended final approval with the conditions as stated in May 30, 2006 Burke memo and the added condition of written assurance for well defined tree preservation along the ravines as well as the existing burnt material on top of ravine to be addressed. (As a side note he stated as the site's runoff would be reduced onsite detention was not necessary.) John Knochel made a motion to grant final approval for Eastatoe Minor Subdivision Phases 1 & 2 with conditions as stated in May 30, 2006 Burke memo and the added conditions for well defined tree preservation along the ravines and the existing burnt material on top of ravine to be addressed. Ruth Shedd seconded the motion. Eastatoe Minor Subdivision Phase 1 & 2 was granted final approval with conditions.

**Maintenance Bond(s)
Performance Bond**

The Surveyor presented Maintenance Bond #1753003 submitted by Atlas Excavating in the amount of \$43,462.50 for Harrison Highlands Phase 1; Maintenance Bond #3481609 submitted by Fairfield Contractors in the amount of \$11,942.00 for Prophets Ridge Phase 2; Maintenance Bond #5019648 submitted by R.W. Davis Contracting in the amount of \$11,585.00; Maintenance Bond #104632497 submitted by Milestone Contractors in the amount of \$3200.00; a Maintenance Bond (no number) from Farmers Bank for Hickory Hills III Ph 1 Sec 3 in the amount of \$12,219.90 as well as a Performance Bond (no number) from Farmers Bank for Hickory Hills III Ph 1 Sec 3 in the amount of \$15,730.00 (due to pending drainage issues to be addressed) for acceptance by the Board. (The Surveyor noted due to the weather there were a few drainage items which needed to be completed. The punch list of the items to be completed was attached to the Performance Bond) John Knochel made a motion to accept the Maintenance Bonds as well as the Performance Bond as presented to the Board by the Surveyor. Ruth Shedd seconded the motion. The aforementioned Bond's were accepted as presented.

Steve Murray

The Surveyor informed the Board he and the Drainage Board Secretary would be meeting with the Montgomery County Drainage Board at their July 24th, 2006 regular meeting to discuss the eight joint drains which serve both counties at their request. He invited the Board members to attend as well if their schedules allowed. The Surveyor noted Montgomery County Drainage Board members have attended Tippecanoe County Drainage Board Meetings in the past and they have been working this past year diligently to improve their drain record keeping. T

Public Comment

As there was no public comment, John Knochel made a motion to adjourn. Ruth Shedd seconded the motion. The meeting was adjourned.

Ruth Shedd, President

John Knochel, Vice President

Brenda Garrison, Secretary

KD Benson, Member

Tippecanoe County Drainage Board
Minutes
June 4, 2008
Regular Meeting

Those present were:

Tippecanoe County Drainage Board President KD Benson, Vice President John Knochel, member Ruth Shedd, County Surveyor Steve Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering Limited, and Drainage Board Secretary Brenda Garrison. Project Manager Zachariah Beasley was also in attendance.

Approval of Minutes

John Knochel made a motion to approve the May 7, 2008 Regular Drainage Board minutes as written. Ruth Shedd seconded the motion. The May 7, 2008 Drainage Board meeting minutes were approved as written.

Armed Forces Reserve Center

Michael Turchi with Butler Fairman and Seufert appeared before the Board to request final approval for the Armed Forces Reserve Center. The site consisted of approximately 16 acres and located east of the intersection of C. R.'s 475E and 200S, north of the existing SIA manufacturing plant. Mr. Turchi stated the site's runoff would release into C.R. 200S north side ditch with an indirect outlet into Parker Ditch. The existing pond in the southeast corner would be expanded and equipped with a Stormceptor structure. A new pond would be constructed in the northwest corner. A variance from Chapter 6 Section C.4 required right of way width was requested. The expansion of the existing dry detention facility that had been in place since 1994 would create an off-set of 60 feet north of the right of way of C.R. 200S. He noted an 8 foot in height steel and concrete pillar fence would be constructed along the C.R. 200S right of way line for the entire length of the site. The Surveyor stated C.R. 200S was actually annexed into the City and recommended granting the variance as requested. Mr. Turchi noted the City of Lafayette had provided a letter of acceptance for the project as planned. John Knochel made a motion to grant a variance of the right of way width. Ruth Shedd seconded the motion. The variance was granted as requested. The Surveyor then recommended final approval with the conditions as listed on the May 30, 2008 Burke memo. John Knochel made a motion to grant final approval with the conditions as listed on the May 30, 2008 Burke memo. Ruth Shedd seconded the motion. Armed Forces Reserve Center was granted final approval with the conditions as listed on the May 30, 2008.

Other Business

Steve Murray

Maintenance Bonds

The Surveyor presented the following Bonds and Letter of Credit for acceptance as follows: Weathersfield PD/Maintenance Bond#B0302420 submitted by F&K Const. in the amount of \$2905.50 and dated 05-06-08, Park 350 Sec 1/ Maintenance Bond#3634139 submitted by Fairfield Contractors Inc. in the amount of \$96,170.00 and dated 05-16-08, Lafayette Warehouse/Payment and Performance Bond #929453375 submitted by Shiel Sexton Co. in the amount of \$113,000.00 and dated 05-19-08, New TRW/ Letter of Credit. #592 submitted by Becknell Construction in the amount of \$211,000.00 and dated 05-16-08. John Knochel made a motion to accept the Bonds and Letter of Credit as follows; Weathersfield PD/Maintenance Bond#B0302420 submitted by F&K Const. in the amount of \$2905.50 and dated 05-06-08, Park 350 Sec 1/ Maintenance Bond#3634139 submitted by Fairfield Contractors Inc. in the amount of \$96,170.00 and dated 05-16-08, Lafayette Warehouse/Payment and Performance Bond #929453375 submitted by Shiel Sexton Co. in the amount of \$113,000.00 and dated 05-19-08, New TRW/ Letter of Credit. #592 submitted by Becknell Construction in the amount of \$211,000.00 and dated 05-16-08. Ruth Shedd seconded the motion. Weathersfield PD/Maintenance Bond#B0302420 submitted by F&K Const. in the amount of \$2905.50 and dated 05-06-08, Park 350 Sec 1/ Maintenance Bond#3634139 submitted by Fairfield Contractors Inc. in the amount of \$96,170.00 and dated 05-16-08, Lafayette Warehouse/Payment and Performance Bond #929453375 submitted by Shiel Sexton Co. in the amount of \$113,000.00 and dated 05-19-08, New TRW/ Letter of Credit. #592 submitted by Becknell Construction in the amount of \$211,000.00 and dated 05-16-08 were approved as presented.

Public Comment

Malcolm Miller 1 North 1025E Lafayette Indiana approached the Board. Mr. Miller expressed his concern regarding the lack of maintenance on the John Hoffman Regulated Drain. He stated the last 4 or 5 years the drain's surface had grown up and the tile was in disrepair in several locations and felt the tile was blocked under C.R. 1025E. He presented the Board with pictures he had taken this month indicating flooding of one of his fields and growth over the surface of the tile. The Surveyor noted the drain was surveyed within the last few years and agreed there were isolated areas which needed attention. He felt it was probably in need of clearing and spot cleaning as well. East of 1025E was being farmed through the surface conveyance. The upper end at several locations had tile breakdowns which were repaired previously. He noted the tile maintenance had been done consistently in the past. However the amount of drain reconstructions completed in the last 2 years as well as in progress had impacted the maintenance of drains. Those drains in need of maintenance would be addressed this fall. The Project Manager reiterated the Surveyor's comments and stated several tile repairs had been completed from the outfall into Carroll and Clinton Counties. He agreed it did need additional maintenance in certain areas and was on the list. Jeff Haan 10915 East 40S Lafayette Indiana 47905 approached the Board. He stated he felt the problem was along C.R. 900E. He stated he had never seen Mr. Miller's field flood the way it did after an inch of rain recently. He thought it was approximately 15 acres under water and would like the County Surveyor to look at it as soon as the work load permitted. The Surveyor stated he would have his staff check the drain's condition and make the appropriate repairs.

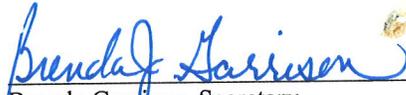
John Knochel made a motion to adjourn. The meeting was adjourned.



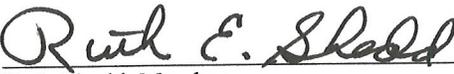
KD Benson, President



John Knochel, Vice President



Brenda Garrison, Secretary



Ruth Shedd, Member

Tippecanoe County Drainage Board

Minutes

September 3, 2008

Regular Meeting

Those present were:

Tippecanoe County Drainage Board President KD Benson, Vice President John Knochel, member Ruth Shedd, County Surveyor Steve Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering Limited, and Drainage Board Secretary Brenda Garrison. Project Manager Zachariah Beasley was also in attendance.

Approval of Minutes

John Knochel made a motion to approve the July 9, 2008 Regular Drainage Board minutes as written. (August meeting was cancelled) Ruth Shedd seconded the motion. The July 9, 2008 Drainage Board meeting minutes were approved as written.

Trilogy/Lafayette Health Care Campus

Ed Fleming of Weihe Engineers appeared before the Board to request final approval for the Trilogy/Lafayette Health Care Campus project. The site consisted of approximately 17 acres and was located north of State Road 38 on the west side of Creasy Lane. The site discharged to the Wilson Branch of the S.W. Elliott Regulated Drain. The aforementioned branch was located on the west side of the project. Mr. Fleming requested a variance to the Ordinance release rates. The site originally drained south to Branch 11 of Branch 13 the S.W. Elliott Regulated Drain watershed. He noted at one time an on site ditch had been constructed which redirected the majority of the site to the Wilson branch of the S.W. Elliott Regulated Drain. He had met with the City of Lafayette and the County regarding the issue and had devised a plan which he thought would benefit the site. The release rates would be restricted through a wet detention facility and would ultimately outlet to the Wilson branch at the existing condition. He noted there would be no additional runoff than what is present at this time. The release rates would be in force for all future development at the site as well and they were agreeable to the conditions as stated in the August 27, 2008 Burke memo. The Surveyor recommended the Variance of the release rates as requested. John Knochel made a motion to grant the variance. Ruth Shedd seconded the motion. The Variance was granted as requested. Mr. Fleming then requested the approval of a Petition to Encroach on the Wilson Branch of the S.W. Elliott Regulated Drain Easement. He stated the Surveyor needed a minimum of 30 feet for maintenance on the drain. The pond emergency overflow location had been revised to meet the Surveyor's requests and the slope would not restrict access for maintenance. The Surveyor recommended approval of the Petition to Encroach on the Wilson Branch of the S.W. Elliott Regulated Drain Easement as submitted. John Knochel made a motion to approve the Petition to Encroach on the Wilson Branch of the S.W. Elliott Regulated Drain Easement. Ruth Shedd seconded the motion. The Petition to Encroach on the Wilson Branch of the S.W. Elliott Regulated Drain Easement was approved. There was no public comment. The Surveyor recommended final approval with the conditions as stated on the August 27, 2008 Burke memo. John Knochel made a motion to grant final approval with the conditions as stated on the August 27, 2008 Burke memo. Ruth Shedd seconded the motion. Trilogy was granted final approval with the conditions as stated. (A copy of the recorded documents will be included in the official record book)

St. Elizabeth Regional Health New Acute Care Hospital

Bob Doster of BSA Life Structures appeared before the Board to request approval of a Petition to Encroach on the Treece Meadows Relief Drain and a Maintenance Agreement for said drain submitted by the Sisters of St. Frances Health Services regarding the St. Elizabeth Regional Health New Acute Care Hospital. The project site consisted of approximately 57 acres of an overall 103 acre tract located between County Roads 100 South (McCarty Lane) and 200 South (Haggerty Lane) on the east side of Creasy Lane within the City of Lafayette limits. Final approval for mass earthwork only was granted by the Drainage Board on Sept. 6th, 2006. The project will have a direct outlet to the Treece Meadows Relief Drain and an indirect outlet to the S.W. Elliott Regulated Drain. Mr. Doster reviewed the plans of the encroachment (bridge crossing) for the Board. The bridge was designed so the elevation and the span would have no impact on the flow capacity of said drain. The bridge plans that include the abutments had been reviewed by the consultants. Regarding the Maintenance Agreement, Unity Physicians would maintain the north side of said drain and the New Acute Care Hospital would maintain the south side. The Surveyor noted the Drainage Board's responsibility was to approve the discharge to the regulated drain, the Petition and the Maintenance Agreement submitted only. He noted the bridge would be a private bridge. The encroachment document and the Maintenance Agreement were in order. The Attorney reiterated the Board need only approve the Encroachment Petition as well as the Maintenance Agreement. John Knochel made a motion to approve the Petition to Encroach and the Maintenance Agreement regarding the Treece Meadows Relief Drain for the St. E. Regional Health New

Acute Care Hospital. Ruth Shedd seconded the motion. The Petition to Encroach and Maintenance Agreement regarding the Treece Meadows Relief Drain were approved as submitted. (A copy of the recorded documents will be included in the official record book) John Knochel made a motion to grant final approval with the conditions as stated on the August 27, 2008 Burke memo. Ruth Shedd seconded the motion. St. Elizabeth Regional Health New Acute Care Hospital was approved with conditions as stated.

Other Business

S.W. Elliott Regulated Drain Gauging Station Agreement/U.S. Dept. of Interior-U.S. Geological Survey

The Surveyor presented a joint funding agreement with the U.S. Department of Interior regarding a stream flow gauging station located near the northwest corner of the County Highway property on the S.W. Elliott Regulated drain. USGS would supply \$3600.00 from October 2008 to September 2009 and the County would be responsible for \$8400.00 during the same period. The gauge was installed in April. As this was discussed in a previous meeting the Surveyor recommended the Board enter into the agreement as presented. KD stated the gauge was in place due to landowner questions of the flood plain around the Elliott Ditch and would provide data to insure the flood plain for the area was correct. John Knochel moved to approve the stream flow gauging station located near the northwest corner of the County Highway property on the S.W. Elliott Regulated drain. Ruth Shedd seconded the motion. The S.W. Elliott Regulated Drain stream flow gauging station agreement was approved as submitted. The Surveyor noted a proposal for cost share with the landowners who were agreeable was in the works and would present it to the Board when completed.

Steve Murray

John Hoffman Regulated Drain Update

A power point presentation indicating problem areas from the Surveyor's on-site inspection of the John Hoffman Regulated Drain was presented to the Board by the Surveyor. The on site inspection covered east of County Road 900 East to County Road 1025 East and the Surveyor noted the many areas overgrown with grass approximately six feet in height. The bottom of the open ditch had grown up with grass, some brush and a few small trees. A multitude of tile holes were found (one 2-3 feet in diameter with standing water). Standing water from the last private culvert to County Road 1025 East at the bottom of the ditch would have to be investigated. The culvert at C.R. 1025 East had some built up of silt and sediment which would have to be cleaned out. He noted to the east was the area of the original cut swale which had been farmed through. He stated the ditch was in need of debrushed and mowed. Until recently he had been unaware it was mowed once a year by the previous Surveyor. Once the crops were out he would have the contractor mow the bottom, sides, rid the ditch of small trees and repair the tile holes. Additional shots would also be taken from the last private culvert to C.R. 1025 East to try and isolate the problem of standing water. Responding to landowner Malcolm Miller's inquiry, the Surveyor stated he would take a look at possibly feathering out the swale on his property. The Surveyor stated his priority was to get the stretch from C.R. 900 East to C.R. 1025 East mowed and repair the tile holes.

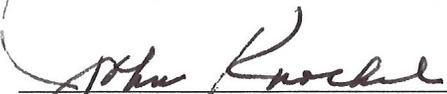
Public Comment

Dale Butcher appeared before the Board to express his gratitude for the work on the Lewis Jakes Regulated drain. He stated it was in good working order and was working with NRCS to establish waterways. The County Highway Department would replace the culvert under Morehouse Road as it was on their list of Culvert Repair/Replace. He noted one landowner had some upgrading to do before NRCS would do any work on that area of the ditch. He felt it was 2/3 to 3/4 completed at this time. He felt what the construction to date was working excellently and thanked the Board for the work. He noted he spoke with NRCS and was working on setting a meeting date in the upcoming month or two. He would notify the Surveyor of the meeting once set.

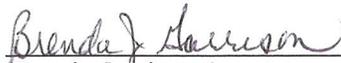
As there was no other public comment, John Knochel made a motion to adjourn. The meeting was adjourned.



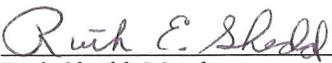
KD Benson, President



John Knochel, Vice President



Brenda Garrison, Secretary



Ruth Shedd, Member

Tippecanoe County Drainage Board

Minutes

October 1, 2008

Regular Meeting

Those present were:

Tippecanoe County Drainage Board President KD Benson, Vice President John Knochel, member Ruth Shedd, County Surveyor Steve Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering Limited, and Drainage Board Secretary Brenda Garrison. Project Manager Zachariah Beasley was also in attendance.

Approval of Minutes

John Knochel made a motion to approve the September 3, 2008 Regular Drainage Board minutes as written. Ruth Shedd seconded the motion. The September 3, 2008 Regular Drainage Board minutes were approved as written.

Lafayette Meadows PD

Brandon Fulk from Schneider Corporation appeared before the Board to request final approval for the Lafayette Meadows PD. The site consisted of approximately 20 acres located within the City of Lafayette specifically on the north side of County Road 100 South (McCarty Lane) east of Park East Boulevard. A nursing facility, assisted living as well as an independent living facility was planned for the site at this time. The main branch of the Alexander Ross Regulated Drain was located in the northwestern portion of the site. Branches 8, 9, 10 of said drain were located on the eastern portion of the site. Brandon stated the required encroachments, relocations and /or vacations of the main branch and/or its branches would be presented to the Board at a later date. The site drained through two wet ponds and ultimately outlet to the Alexander Ross Detention Pond located on the Wal Mart property to the north. Brandon noted due to the approximately 40 acre feet of storage available in the proposed ponds there would be an excess of storage area. An agreement with the upstream landowner was also in the works regarding a planned drain vacation and would be provided to the Board in the near future along with Petitions to Vacate, Relocate and Encroach regarding said drain and its branches. (Relocations and Encroachments were required due to the design of the ponds) Brandon noted they agreed with the September 26, 2008 Burke Memo and requested final approval with conditions.

The Surveyor stated the area was involved enough that he requested the Board Attorney review all the submitted petitions pertaining to the request. He noted he had met with Schneider Corporation prior to the submittal regarding the site as well as spoke with the affected property owners. New Horizons were willing to state within the vacation documents that they would take care of any unforeseen private tiles which may be tied into the branch or main tile which were to be vacated. The developer had indicated they would replace any existing tiles with new reinforced concrete pipes which may be crossed with the planned drainage infrastructure. They will verify ample coverage from the bottom of the pond to the top of the new tile. The Surveyor would recommend the vacations and encroachments when presented. Brandon noted they had met with the adjoining landowner on site and discussed the historic locations of the tiles. There was no public comment. The Surveyor then recommended final approval with the conditions as set forth in the September 26th 2008 Burke memo. He noted the acquired agreement with the property owner regarding providing ground and the pond storage must be submitted for the record. He stated the Board's responsibility was protection of the said regulated drain and the release rate to the Alexander Ross Detention Pond. He noted the project was within the City limits therefore they would review the plans for Stormwater Quality. John Knochel made a motion to grant final approval with the conditions as stated on the September 26th Burke memo while noting condition #1 under Variances/Encroachments would be reviewed by the Board at a later date. Ruth Shedd seconded the motion. The Lafayette Meadows P.D. was granted final approval with the conditions as stated on the September 26, 2008 Burke memo.

Chapelgate Park Apartments

Eric Gleissner from CivilSite Group appeared before the Board to request final approval for Chapelgate Park Apartments. The site consisted of approximately 12 acres (approximately 8 disturbed for the project at hand) located on the south side of U.S. 52 west of the Klondike Road intersection. The project was a multi family development with 6 buildings (8 units) and a small clubhouse. Access would be through the existing Blackthorne Subdivision and a potential access off Klondike Road via an existing Easement. The site drained northwest to Indian Creek. The current patterns would be maintained in the developed condition. A forebay, constructed wetland and a vegetated swale was planned to direct the water into Indian Creek. Eric noted the measures would address the post construction Stormwater Quality requirements. A large amount of offsite water would enter the site from the south, the majority of which hit the southwest corner of the site. Two 48 inch RCP storm pipe culverts were proposed to be installed under Chapelgate Drive to convey the offsite runoff. A swale along the southern property line would convey a small amount of runoff entering the site to Indian Creek. The northern half of the site was floodplain or floodway based on the most current modeling data as well as the new FEMA maps to be published in 2009. The project was designed using the more conservative data. A compensatory floodplain analysis indicated in the developed condition there was slightly more storage in the floodplain. He then requested final approval for Chapelgate Park Apartments.

The Surveyor noted this project was part of a larger ongoing development and recommended final approval with conditions as stated in the September 26, 2008 Burke memo. There was no public comment. John Knochel made a motion to grant final approval with conditions set forth in the September 26th, 2008 Burke memo for Chapelgate Park Apartments. Ruth Shedd seconded the motion. Chapelgate Park Apartments was granted final approval with the conditions listed on the September 26, 2008 Burke memo.

John Hoffman Regulated Drain

Malcolm Miller requested a time frame for the cleanout/dredging of the John Hoffman Regulated Drain. The Surveyor stated F&K Construction would be scheduled to do the work once the crops were out. He requested Mr. Miller inform the office once the crops were out. Mr. Miller thanked the Surveyor.

Reschedule Meeting Dates November/December 2008

The Board agreed to reschedule the November 5th meeting to November 12th 2008 at 9 a.m. and the December 3rd meeting to December 2nd 2008 at 10 a.m. John Knochel made a motion to move the meeting dates and time as previously scheduled to November 12th at 9 A.M. and the December meeting to December 2nd, 2008 at 10 A.M. Ruth Shedd seconded the motion. The November meeting date and time was changed to November 12th at 9 A.M. The December meeting date was changed to December 2nd at 10 A.M.

Steve Murray

The Surveyor stated he discussed Indiana Code 36-9-27-79.1 "Contracts estimated not to be more than \$75,000.00" with the Board Attorney. This was a streamline version of requirements for Public Works projects. Through that procedure the Board may authorize the County Surveyor to contract for the work in the name of the Board. There were two ditch dredging jobs he would like to complete this fall and requested the Board's authorization to do so. The ditches were known as the Train Coe Regulated drain and the J.K. O'Neal Regulated drain. Only a portion of these drains would be dredged at this point. John Knochel made a motion to authorize the Surveyor to contract in the name of the Board the projects (estimated to be under \$75,000.00) known as the Train Coe Regulated drain and the J.K. O'Neal Regulated drain. Ruth Shedd seconded the motion. The Board authorized the Surveyor to contract the two projects as requested.

Drainage Board Award/INAFSM

Berlowitz Drain Regional Detention Basin

KD Benson announced the Indiana Association for Flood Plain and Stormwater Management awarded the Tippecanoe County Drainage Board and the Surveyor with an Outstanding Stormwater Project Award regarding the Berlowitz Drain Regional Detention Basin project.

F-Lake Regional Detention Basin Update

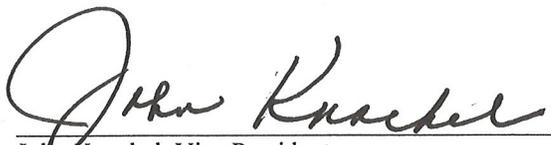
The Surveyor presented a slide show regarding the F-Lake regional Detention Basin project. He informed the Board the project had been completed. Discussion was held concerning the pictures he presented. He noted the project site had been seeded and in the southeast corner there was southeast grasses which eventually would flower.

Public Comment

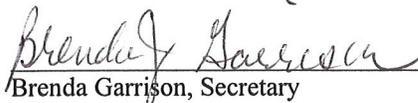
As there was no public comment John Knochel made a motion to adjourn. The meeting was adjourned.



KD Benson, President



John Knochel, Vice President



Brenda Garrison, Secretary



Ruth Shedd, Member

Tippecanoe County Drainage Board

Minutes

December 2, 2008

Regular Meeting

Those present were:

Tippecanoe County Drainage Board President KD Benson, Vice President John Knochel, member Ruth Shedd, County Surveyor Steve Murray, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger from Christopher J. Burke Engineering Limited, and Drainage Board Secretary Brenda Garrison. Project Manager Zachariah Beasley was also in attendance.

Approval of Minutes

John Knochel made a motion to approve the November 12, 2008 Regular Drainage Board minutes as written. Ruth Shedd seconded the motion. The November 12, 2008 Drainage Board meeting minutes were approved as written.

Latter Day Saints of Lafayette

Brandon Fulk appeared before the Board and requested final approval for the Latter Day Saints of Lafayette. The site was located north of C. Rd. 450 South and east of C. Rd. 250 East (Concord Road). A planned wetland was located in the southeast portion of the site. A detention pond located at the site's north end outlet into a storm sewer off site and would ultimately discharge to the J.N. Kirkpatrick Regulated Drain located north of the site. Brandon noted Woodland Elementary School was located to the north of the site as well. He informed the Board he was working with Mark Deyoung on any issues regarding easements and encroachment documentation. He stated he agreed with the November 26, 2008 Burke memo and requested final approval at that time. There was no public comment. Regarding #3 Stormwater Quality of the Nov. 26, 2008 Burke memo, the Surveyor requested a full set of plans in addition to the approval letter from IDEM authorizing the wetland mitigation- for future reference. Responding to John Knochel's inquiry, Brandon stated he hoped to have the encroachment and/or easement documentation for the Board's approval at their next regular scheduled meeting. The Surveyor then recommended final approval with conditions as stated on the Nov. 26, 2008 Burke memo. John Knochel made a motion to grant final approval with conditions as stated on the Nov. 26, 2008 Burke memo. Ruth Shedd seconded the motion. The Latter Day Saints of Lafayette was granted final approval with conditions as stated on the Nov. 26, 2008 Burke memo.

Other Business

Steve Murray

January 2009 Meeting date and time

The Board agreed to hold the January 2009 Drainage Board Regular meeting on January 7, 2009 at 10:00 a.m.

John Hoffman #101 Regulated Drain Clearing

The Surveyor noted F&K Construction would be starting the clearing out of the J.Hoffman Regulated Drain as soon as the weather allowed. He noted they have cleared out the drain in the past and was familiar with the project. He stated the clearing would be done on a regular basis.

Train Coe Regulated Drain Update

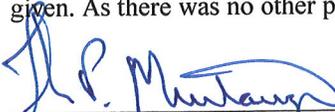
Bids were requested on the Train Coe Regulated Drain Maintenance Project. The office received 4 bids from the 6 requested. The lowest bid was Fairfield Contractors at \$36378.00. They have been given a notice to proceed. The start of the project was contingent on the weather.

Performance Bond/Tipmont R.E.M.C. Battleground

The Surveyor presented Performance Bond #8935632 submitted by Garmong & Son Inc. for Tipmont R.E.M.C. Battleground Facility in the amount of \$150,000.00. He recommended acceptance. John Knochel made a motion to accept the Performance Bond #8935632 submitted by Garmong & Son Inc. for Tipmont R.E.M.C. Battleground Facility in the amount of \$150,000.00. Ruth Shedd seconded the motion. Performance Bond #8935632 submitted by Garmong & Son Inc. for Tipmont R.E.M.C. Battleground Facility in the amount of \$150,000.00 was accepted by the Board.

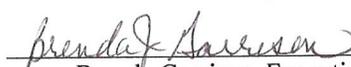
Public Comment

As this was KD and Ruth's last meeting they expressed their appreciation to the various Board members, Steve Murray, Dave Luhman, David Eichelberger and Brenda Garrison as well as Mike Spencer and Zach Beasley for their hard work and assistance given. As there was no other public comment, John Knochel made a motion to adjourn.


THOMAS MURTAGH, President


DAVID BYERS, Vice President


John Knochel, Member


Brenda Garrison, Executive Secretary

Tippecanoe County Drainage Board
June 1, 2016
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President Tracy Brown, Vice President Thomas P. Murtaugh, member David S. Byers, County Surveyor Zachariah Beasley, Drainage Board Attorney Doug Masson, Drainage Board Secretary Brenda Garrison and Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering LLC. Evan Warner-G.I.S. Technician and James Butcher-Project Manager, both with the Surveyor Office, were also in attendance.

Approval of Minutes

David Byers made a motion to approve the May 4, 2016 regular meeting minutes. Thomas Murtaugh seconded the motion. Motion carried. David Byers made a motion to approve the May 4 and 18, 2016 J.N. Kirkpatrick Upper End Extension minutes as written. Thomas Murtaugh seconded the motion. Motion carried.

Zach Beasley

INDOT Reimbursement Agreement JN Kirkpatrick #46 Upper End Extension Project

The Surveyor presented an INDOT agreement with the County Drainage Board for reimbursement of the County's cost to jack and bore a 54 inch tile under U.S. 52 within INDOT's right of way. He noted the amount was not to exceed \$208,000.00 and recommended approval by the Board. Thomas Murtaugh made a motion to approve the INDOT reimbursement agreement regarding the Upper End Extension of the J.N. Kirkpatrick Regulated Drain #46 as presented by the Surveyor. David Byers seconded the motion. Motion carried.

Drain Project (s) Update:

Eugene Johnson #41 2016 Dredging project

The Surveyor stated the Eugene Johnson #41 Dredging Project located at CR. 1300 South and CR 700 East was 90% complete. Inspection of the project was forthcoming. Heartland Excavating was the Contractor for this project.

Moses Baker #114 Phase II Dredging Project

The Surveyor stated Phase II of the Moses Baker #114 Dredging Project was located CR. 575 East and CR700 East was nearly 100% complete. An inspection of the project was forthcoming. Huey Excavating was the Contractor for this project.

Waples McDill #85

The Surveyor noted the Waples McDill #85 Reconstruction started today by crossing CR275East and setting up the large machine to be ready to go by first of week. He stated a new machine was being used to lay the large pipe. The machine was called TexMek and would be viewed in action by many across the Midwest during this job. It was one of the largest tile machines in existence. He informed the Board to his knowledge, this was the largest AGRICULTURAL tile project ever constructed in Tippecanoe County. He offered to accompany the Board to view the installation. Maxwell Farm Drainage was the Contractor for this project.

John Hoffman #101 Joint Regulated Drain

The Surveyor stated a meeting should be scheduled for the John Hoffman #101 Regulated Joint drain with Clinton and Carroll County's. He recommended the joint meeting follow the Board's regular meeting on August 3, 2016. The Board agreed to hold the John Hoffman Joint Regulated Drain #101 on August 3, 2016 immediately following the regular scheduled meeting on that date.

Resolution 2016-02-DB: Certification of Assessments Waples McDill #85 Reconstruction

Attorney Doug Masson recommended the removal of the Waples McDill #85 Resolution which was on today's Agenda- as there were revisions warranted. He stated a revised Resolution would be presented to the Board at a later date.

Public Comment

David Byers made a motion to adjourn. The meeting was adjourned.

Tracy Brown, President

Thomas P. Murtaugh, Vice President

Brenda Garrison, Secretary

David S. Byers, Member