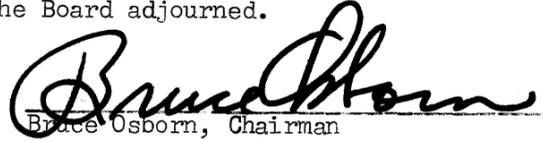
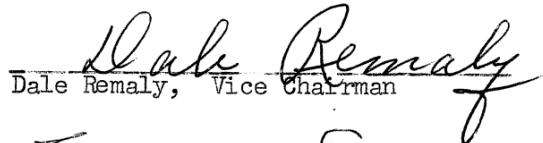


1:30 p.m. At 1:30 p.m., the Engineer opened the hearing on the Fannie Devalut Ditch by reading his report and making his recommendations to the Board. Only two people attended this hearing, Mrs. Mabel McDill Andrews and an Attorney for Harlan Tyner. The Attorney said he or his client had no objection but was here to get some answers. Mrs. Andrews said shw was in favor of the assessment so Burce Osborn moved to so establish a maintenance fund of \$1.00 per acre on the Fannie Devault Ditch. The move was seconded by Edward Shaw and made unanimous by Dale Remaly.

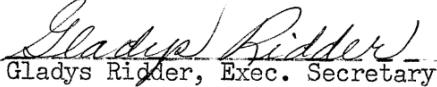
Upon motion by Dale Remaly, seconded by Edward Shaw, the Board adjourned.


Bruce Osborn, Chairman


Dale Remaly, Vice Chairman


Edward Shaw, Board Member

ATTEST:


Gladys Ridder, Exec. Secretary

MINUTES OF THE TIPPECANOE COUNTY DRAINAGE BOARD HELD JUNE 7, 1972.

Regular Meeting The Tippecanoe County Drainage Board held it's regular monthly meeting on Wednesday, June 7, 1972 at 9:00 o'clock, a.m. Those present were: Bruce Osborn, Dale Remaly, Edward Shaw, Dan Ruth, Fred Hoffman, Ron Melichar, John Garrott, Ken Raines and Gladys Ridder.

Minutes Approved Upon motion by Bruce Osborn, seconded by Dale Remaly and made unanimous by Edward Shaw, the minutes of the May 3rd, 1972 meeting were approved as read.

Ditches Referred Upon motion by Bruce Osborn, seconded by Dale Remaly the Board referred the following ditches to the Engineer to prepare for a maintenance hearing: E. F. Haywood, (Jackson & Randolph Twps.), William Walters (Tippecanoe Twp.), Grant D. Cole (Tipp. & Wabash Twps.), Lewis F. Jakes (Tippecanoe Twp.), and Wesley Mahin (Tippecanoe Twp.).

9:30 a.m. John Dooley Hearing The Engineer opened the hearing on the John Dooley Ditch by reading his report and making his recommendations to the Board. He told them he'd checked this ditch at three different times under three different weather conditions. Although he did not feel the need to repair was urgent, he did believe a maintenance fund should be established for future needs. Mr. Leon Howey reported that at this time on his farm there was an immediate need to find a stopage somewhere in the tile for even the riser would stand full of water after a rain and that it took as long as eleven days for water to drain off in some places. Mr. Keith McMillin reported that he had found a plug of bean straw and removed it some time ago. Mr. Larry Treece expressed his opinion that there had been no work done on this ditch for a long time except by the farmer himself and that he would like to keep it this way. Those in attendance were: Leon Howey, Lloyd Howey, R.E. Stradling, Lawrence Treece, Keith McMillin, Chester W. Dell, Iness L. and Charles Brown. After a lengthy discussion wherein the Board tried to let them resolve their own differences, Bruce Osborn made a motion that the Board require them bring their ditch into a good working condition for all within the next year or the Board would hold another hearing at which time they would establish a maintenance fund.

10:30 a.m. Thomas Haywood Ditch Hearing The Engineer opened the hearing on the Thomas Haywood ditch by reading his report and recommendations to the Board. Those in attendance were: Robert Haywood, Lewis J. Withrow, James C. Burghardt, Robert E. Mason and Spencer Congram for the Levering Farms. According to those present when the ditch was constructed a large boulder was directly in the route of the ditch and because they had no equipment in those days to remove it, they had routed over it. Mr. Ruth said he would check with those who had done surveying there and if at all possible, remove the boulder. In checking the watershed area of this ditch, The Engineer said he found that some of the land was being assessed in the Little Wea Conservancy District and should not be assessed on the Thomas Haywood too. Those acreages removed by the Board are: James C. Burghardt-14 acres in Section 28; Guy P. Levering-79.50 acres in Section 22; Helen Miller-160.00 acres in Section 22; DeForest O'Dell-40.00 acres in Section 22; Alma M. Withrow and Lewis J. Withrow-140.00 acres in Section 21. Because these properties drain directly into the open portion of the Haywood Ditch or come into the open ditch from private tiles and are assessed as an integral part of the Little Wea Conservancy District any assessment on the Haywood Ditch would be a double assessment. The removal of acreage left only 533.28 acres instead of 966.78 acres and with less ditch to maintain, the engineer suggested lowering the amount per acre to \$.75 or \$.50 but Robert Mason, who is the largest landowner in the area, thought perhaps it was wise to keep the \$1.00 per acre as suggested by the engineer. Upon motion by Bruce Osborn, seconded by Dale Remaly and made unanimous by Edward Shaw to establish a \$1.00 per acre maintenance fund on the Thomas Haywood dithc, it was so carried. The engineer opened the hearing on the John Blickenstaff ditch by reading his report and recommendations to the Board. He explained that the old records were most conflicting in

MINUTES OF THE TIPPECANOE COUNTY DRAINAGE BOARD HELD AUGUST 2, 1972.

Present at meeting. The Tippecanoe County Drainage Board held it's regular meeting on August 2, 1972, at 9:00 o'clock am.. with the following members present: Bruce Osborn, Dale Remaly, Edward Shaw, 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 July 5, 1972 meeting were approved as read.

Other Business of the Board A petition was submitted to the Board from National HOMes Construction Corporation by their attorney, Thomas McCully, and reads as follows:

STATE OF INDIANA)
) SS:
TIPPECANOE COUNTY)

To: The Tippecanoe County Drainage Board
 Court House
 Lafayette, Indiana

PETITION

National Homes Construction Corporation, hereinafter referred to as the Petitioner, respectfully shows and petitions the Board as follows:

1. The Petitioner is the owner of a certain tract of land located in the City of Lafayette, Indiana, shown on Exhibit A filed herewith. Said real estate is bounded by South Eighteenth Street on the west, the Penn Central Railroad on the northeast, and Elliott Ditch, a legal open ditch, on the south.

2. The Petitioner proposes to develop the westerly portion of said real estate for multi-family housing and the easterly portion for single family housing as shown on Exhibit A.

3. There is presently a statutory 75' right-of-way in favor of the Board extending from the top edge of the bank of such ditch on which no permanent structures may be placed.

4. This Board may modify said right-of-way and in the opinion of the Petitioner the same may be modified from 75' to 50' without adversely affecting the public interest or the rights of the Board.

5. Such modification of the right-of-way to 50' from the top edge of the bank will permit development of the real estate as set forth on Exhibit A.

WHEREFORE, the Petitioner requests that the Board:

(a) Modify the statutory right-of-way from 75' to 50' along the north side of Elliott Ditch from South Eighteenth Street easterly to the Penn Central Railroad.

(b) Permit construction of a roadway as a permanent structure within said 50' right-of-way as shown on Exhibit A.

NATIONAL HOMES CONSTRUCTION CORPORATION

By /S/ Thomas R. McCully
 Thomas R. McCully, Its Attorney

STUART, BRANIGIN, RICKS & SCHILLING
801 The Life Building
Lafayette, Indiana 47902
317+742-8485

Attorneys for Petitioner

It was the decision of the Board to reject this petition.

Drains Referred The Board referred the following ditches to the Engineer to prepare for maintenance funds: Charles E. Daugherty, Lauramie Township, County Farm Ditch, Tippecanoe and Wabash Townships, Simeon G. Yeager, Wabash Township, and Isaac Gowen, Tippecanoe Township, in Tippecanoe County and Prairie Township, in White County.

9:30 a.m. Hearing on Fred Haffner Ditch The Engineer opened the hearing on the Fred Haffner Drain by reading his report and making his recommendations to the Board. There had been no remonstrances and no charges against this ditch. The only one attending was Carl Hendrickson who farms the Eva Palmore ground. Mr. Hendrickson had a question on the West Branch where he said the SCS had done some extension. Because considerable tile has been added, Mr. Ruth suggested walking and measuring the 3770 Feet of the legal ditch and find exactly where the ditch ends, possible the North line of the Haan property.
Upon motion by Dale Remaly, seconded by Bruce Osborn and made unanimous by Edward Shaw, the Board voted to establish a \$1.00 per acre maintenance fund.

10:30 a.m. Hearing on the Grant D. Cole Ditch The Engineer opened the hearing on the Grant D. Cole Ditch by reading to the Board his report and making his recommendations. Landowners in attendance were Carl Hendrickson and Fred Trost. The Trost acreage was in error and the Board voted to change it from 120 Acres to 65 acres. There were no remonstrances and no charges against this ditch. Those present were in favor of a fund to maintain the ditch so upon motion by Bruce Osborn seconded by Dale Remaly and made unanimous by Edward Shaw the Board voted to establish a \$1.00 per acre assessment.

11:30 a.m. Hearing on Wesley Mahin Ditch The Engineer opened the hearing on the Wesley Mahin ditch by reading his report and making his recommendations to the Board. Those in attendance were Mrs. Rose Mae Glass, Charles Bohart and Marian Bohart. Mr. Bohart said they were assessed on both the Mahin and Walters ditch for the same acreage and after discussing the situation it was decided he belonged on the Walters ditch so the acreage was removed from the Mahin assessment list. Mr. Bohart also reported water problems that did not have any bearing on the legal drain but resulted from what seemed to be a highway ditch. Mr. Osborn asked John Garrott, the surveyor to check the situation and report back to the Board of Commissioners at their regular meeting on Monday August 7, 1972.

At 1:30 p.m., the Engineer opened the hearing on the William J. Walters Ditch by reading his report and making his recommendations. Many remonstrances were received and read aloud. As many of the people in this watershed area were also assessed on other drains in the same area, it was agreed to revise the legal description of the William J. Walters drain. Those in attendance were: Simon J. Lehe, Andy Klinkhamer, Gwin Robinson, Virgil Shultz, Donald W. Brown, Richard W. North and Northwestern Farms, Inc. by their attorney Edward Chosnek, Kenneth Calloway, William W. Peneton, John Warner, Frank Harner, K. Kensinger, Francis H. Davis, Maxine Taylor and James Milligan, White County Surveyor.

The new legal description will be

After much discussion, the Board decided to recess this hearing until the regular meeting on October 4th, 1972, at 1:30 p.m. The secretary was instructed to re-notify all land-owners of the new time and place for the continued hearing.

After the hearings were completed the Board then signed the order and findings and the certificates of assessment on the ditches where maintenance funds were established. Upon motion by Bruce Osborn, seconded by Dale Remaly and made unanimous by Edward Shaw, the Board adjourned.

Bruce Osborn
Bruce Osborn, Chairman

Dale Remaly
Dale Remaly, Vice Chairman

Edward J. Shaw
Edward Shaw, Board Member

ATTEST:

Gladys Ridder
Gladys Ridder, 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, Juluis 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
REGULAR Meeting January 3, 1990

The TIPPECANOE County Drainage Board met Wednesday, January 3, 1990 in the Community Meeting room of the TIPPECANOE County Office Building 20 North Third Street, Lafayette, Indiana.

Those present were Bruce V. Osborn and Sue W. Scholer, Board Members; Michael J. Spencer, Surveyor; Todd Frauhiger, Drainage Consultant; J. Frederick Hoffman, Drainage Attorney; and Maralyn D. Turner, Executive Secretary, others present are on file.

The meeting was called to order at 9:00 a.m. by Drainage Attorney J. Frederick Hoffman. Mr. Hoffman stated that it is time for election of officers for a new year.

Bruce V. Osborn nominated Sue W. Scholer for chairman of the board, seconded by Sue W. Scholer, motion carried, there being no other nominations from the floor Sue was elected Chairman of the Board.

Sue W. Scholer chairman continued the meeting asking for nomination for Vice Chairman, Sue W. Scholer nominated Bruce V. Osborn as Vice-Chairman, seconded by Bruce, motion carried, there being no other nominations from the floor Bruce was elected Vice-Chairman.

Bruce V. Osborn nominated Maralyn D. Turner as Secretary, seconded by Sue W. Scholer, there being no other nominations from the floor Maralyn was elected Executive Secretary.

Bruce V. Osborn moved to accept J. Frederick Hoffman's continued services as Drainage Attorney for the year 1990, seconded by Sue W. Scholer, motion carried.

Michael J. Spencer recommended to continue the services of the Chris Burke Engineering, LTD as Drainage Engineer Consultant for the year 1990. Bruce V. Osborn moved to accept Michael's recommendation, seconded by Sue W. Scholer, motion carried.
1990 DITCH ASSESSMENTS

Fred Hoffman read the following ditches to be made Active for assessments in May 1990. Jesse Anderson, A.P. Brown, Orrin Byers, John McFarland, Ann Montgomery, and the J. Kelly O'Neal.

Ditches that are In Active are: John Amstutz, Dempsey Baker, Nellie Ball, N.W. Box, Alfred Burkhalter, Floyd Coe, Grant, Cole, J. A. Cripe, Fannie Devault, Marion Dunkin, Jess Dickes, Martin V. Erwin, Crist/Fassnacht, Elijah Fugate, Rebecca Grimes, Harrison Meadows George Ilgenfritz, George Inskeep, Lewis Jakes, Jenkins, E. Eugene Johnson, F. S. Kerschmer, Amanda Kirkpatrick, James Kirkpatrick, John A. Kuhns, Calvin Lesley, John McCoy, Mary McKinney, Absalm Miller, Lane Parker, James Parlon, Calvin Peters, Franklin Resor, Peter Rettereth, Arthur Richard, Alexander Ross, James Shepherdson, John Saltzman, Ray Skinner, Joseph C. Sterrett, Wm A. Stewart, Alonzo Taylor, Jacob Taylor, John Toohey, John VanNatta, Harrison Wallace, Sussana Walters, McDill Waples, J. & J. Wilson, Franklin Yoe, and Shawnee Creek.

Ditches that are Active are: E. W. Andrews, Delphine Anson, Herman Beutler, Michael Binder, John Blickenstaff, Buck Creek (Carroll County), Train Coe, Darby Wetherill (Benton County), Thomas Ellis, Issac Gowen (White County), Martin Gray, Fred Hafner, E.F. Haywood, Thomas Haywood, James Kellerman, Frank Kirkpatrick, Wesley Mahin, Samuel Marsh (Montgomery County), Hester Motsinger, Audley Oshier, Emmett Raymon (White County), Abe Smith, Mary Southworth, William Walters, Wilson-Nixon (Fountain County), Simeon Yeager, S. W. Elliott, Dismal Creek, and Kirkpatrick One.

Bruce V. Osborn moved that the ditches that were read to be made active become active on the May 1990 Assessment, seconded by Sue W. Scholer, motion carried.

COUNTRY CHARMS

John Fisher asked that this be continued until next meeting February 7, 1990.

TRASH TRANSFER

John Fisher presented site drawings. Outlet goes into the Flood Plan. Mr. Hoffman asked who owns the Flood Plan? Leroy Barton. Question as to if it would increase the flow and the speed onto Barton. Question do you have permission from Mr. Barton? Answer - No. Mr. Hoffman stated that permission should be received from Leroy Barton. Mr. Fisher stated they are providing rip-rap, it will not increase the velocity. Mr. Fisher pointed out that they had met with the Soil Conservation and have worked out the one condition of erosion control. Mr. Hoffman asked if Mr. Barton knew about this meeting? NO. Presentation and discussion continued.

Bruce V. Osborn asked John Fisher to explain the plans to the Barton's.

Michael stated that the water is tributary to that area now, it will go through a pond now instead of sheet drainage.

Mr. Hoffman stated they should have their chance to object, so that they can't say we are damaging their property.

Sue W. Scholer stated there are two recommendations made.

1. The erosion control. 2. The calculations.

Bruce V. Osborn moved to give approval to the drainage control for the Trash Transfer with exception of #9 and the other recommendations as stated in the Christopher Burke

COUNTRY
CHARMS

TRASH
TRANSFER

Engineering, LTD review, plus letter from downstream from Burton's, seconded by Sue W. Scholer.

✓
DIMMENSION

DIMENSION CABLE

CABLE

George Schulte engineer from Ticen and Associates presented site plans. Property is located in the Treece Drainage Watershed area. The water shed area was analyzed to determine the high water elevation that would be in the channel. Their detention storage volume that they calculated was above the high water elevation of the ditch along north property line. They did decrease the allowable release rate from 2.11 cfs down to .4 cfs, there is about 3.3 acres in the site. They are increasing the volume required for storage on site.

Sue W. Scholer asked about the plans for maintenance on that ditch? Basically they are assuming that the owner would maintain the entire site, this is reason for putting 3-1 slopes on the ditch.

Mr. Hoffman asked if it was a new ditch, George again stated it is an existing ditch. The ditch at this time is full of brush, weeds, etc, it is not a legal drain.

George stated they are asking for final drainage approval.

Mr. Hoffman asked if George's client would be willing to participate in the cost of a more substantial drainage improvement in the area. Mr. Shulte stated he could not answer that question, but he feels he would be willing.

Bruce asked if conditions had been met? Michael Spencer answered, no, there is one other conditions and that is that the City of Lafayette review this project, as of January 2, 1990 this area is in side the City Limits as is Wal-Mart.

Mr. Sooby has not seen the plans presented. Discussion continued.

Mr. Hoffman stated this is not a subdivision, but should have the same kind of restriction as subdivisions. Mr. Hoffman asked that a letter be received from the developer stating they will participate in their fair share of the improvement when the major improvement is made. Michael asked if he was talking about facility on site. Answer-yes. Maintenance on site and that they would assist in making that area a part of the legal drain, and that they will participate in the cost of improving the Wilson Branch. Michael asked if they should provide a letter stating that they will maintain their on site system. Mr. Hoffman stated he would like for it to be in form that can be recorded, so it will run with the land should the land be sold.

George asked what things are needed for approval? 1. Participate in the improvements of the Wilson Branch. 2. Cost of improvements. 3. Maintain the one on the premises, and if they don't the County would have the right to maintain it and assess the cost. Incorporate the existing drain on the north side of the site into the Treece drain or Wilson Branch.

A letter is needed from the owner for the above mentioned items to Michael. Michael asked that the city review and give their approval be added as they are involved.

Sue asked if the board understands correctly that the City still wants that maintenance to run to the County on the regulated drain. Mr. Sooby answered, he thinks that is correct.

Bruce V. Osborn moved to give approval with the four recommendations being met, seconded by Sue W. Scholer.

WAL-MART

WAL- MART

Clifford Norton representing Wal-Mart and George Davidson of Horne Properties presented drainage plans. Michael stated the plans meet the county restriction on the limited release rate. Michael pointed out at the last meeting Mr. Long was present and brought up the fact of emergency routing for drainage which is a problem in this area, and at that time Michael stated he had Christopher Burke Engineering LTD looking at the Wilson Branch from Ross Road where the Simon improvement would end with the 100 year design flow in the channel. He had him look all the way up through Treece Meadows on what design would be required or Channel section would be required to get from Ross Road up to Treece Meadows. Michael has received the report this morning. Basically what he says in his report is to properly move the 100 year storm event from the north end of Treece Meadows or where open channel turns and goes back west through the Subdivision, looking at approximately 40 foot bottom width on the channel and 2-1 side slopes from there down to the Wilson Branch in some fashion. They have had some preliminary locations for the channel so he would have some idea for lengths to work with as far as grades to get the water down there, basically at this time to pass the 100 year storm event is to provide a 40 foot bottom width channel with 2-1 side slopes down to the Wilson Branch, then continue down the Wilson Branch taking out the trees and re-grading the bottom and side slopes down to Ross Road in order to get the water to the regional detention facility that will be constructed. Michael stated this is a starting point as there are allot of alternatives that can be put in there. This is basically what Channel section they are looking at. The crossings of Creasey Lane and McCarty Lane will need bridge openings of approximately 600 square foot openings to pass the 100 year storm event. Bruce asked if this was visible? Mr. Norton stated anything is visible. Bruce asked if this was to go in during the other construction? Michael answered it would take a petition for re-construction of the Wilson Branch of the Elliott ditch. Michael feels that we are at the point now where a petition is needed from the watershed area. More study is needed. While the land is open is the time to get something started. Cost estimates and plans will have to be put together. Michael can not put a time element on it, the area is hot enough for development and something needs to be done. Discussion of petition.

WAL-MART CONTINUED
JANUARY 3, 1990 DRAINAGE BOARD MEETING

Mr. Davidson stated that Wal-Mart has no problem at all to work with the rest of the watershed and are willing to pay their fair share of the assessment.

Tom McCully representing Long Tree Limited went over what Long Tree Limited went through when they were developing Burberry Subdivision. The problem is at the South end at Treece drain and Wilson Branch, pipe put in 1978 creates constriction of everything upstream from there. Discussion of Cost in 1978, and the over all problem of the area. At that time the owners agreed to put an assessment based upon the cost, which amounted to approximately \$1,000.00 per acre. Today's presentation does try to address the problem all the way from the north end of Treece down to the Wilson Branch on down to the Elliott ditch. Tom stressed that if we don't look at an over all picture we are not going to get anything accomplished. What has to be done is as property is developed everybody agrees to participate to get the problem corrected. At this time we have an open ditch going into a 24" pipe. Discussion continued.

Tom McCully stated that probably this should be an Urban drain not a rural drain. Convert to Urban drain and reconstruct. Long Tree Limited is willing to cooperate. Again he stressed that everybody is going to have to be in agreement that the problem needs corrected and go from there. The longer this goes the more expense it is going to be. Discussion continued.

Michael stated that in the interim there is a plan that could be done temporarily to get the emergency routing out of the Subdivision. This is going to take cooperation from the people involved.

Bruce asked Mr. Norton if they are going to be asking for road cuts on Creasey, answer yes, they have two entrance, and one on Highway 26.

Mr. Hoffman stated Wal-Mart will have to have some type of document stating they will participate in and pay their fair share of the cost of the improvement, and maintain what else they will be putting in there, if they don't the county will have the right to go in and maintain, then assess them for the cost.

Sue Scholer suggested that Michael call a meeting with all property owners involved in the development.

Michael stated that Burke Engineering brought to his attention that this could be a lengthy project, but in the mean time the board should look at a temporary diversion swale, not a major structure. Mr. Hoffman asked if there was a place for it and Michael replied it can be done, however it will not be easy. Michael stated this would be everybody north of Treece Meadows who wants to develop. Michael wanted more time to think. Mr. Sooby was concerned about property owner saying let the other guy do it.

Mr. Davidson asked Michael if he was satisfied with their drainage analysis, answer - yes.

Mr. Norton stated there are two ways that Wal-Mart can go. He asked if the board could give approval subject to meeting the qualifications to avoid another meeting or bring up all the criteria that they need to submit and have another meeting.

Sue W. Scholer stated that the board would be requiring all the essential things stated and final approval passed would be subject to all things presented to Michael and approved by the attorney and the City of Lafayette. Sue stated possibly the board should make a requirement as Wal-Mart goes through the process of their development some of the other things needed will be based on getting a meeting and something temporary with all people involved who are developing in that area.

Mr. Davidson again stated they would agree in participating in what ever effort is made out in that area. They would like to leave the meeting this morning with some idea of construction cost so they can build their budget. He stated they could have a letter back to Michael tomorrow committing to the things the board is trying to accomplish.

Michael Spencer and Don Sooby will work together to come up with satisfactory proposals. Don stated that lionslyng share of the burden may fall on Wal-Mart to do something temporary, as no body wants to do anything until their development is ready to move. Wal-Mart wants to move ahead with their development and if the interim facilities are necessary for this to get board approval, but not the total cost is going to fall on Wal-Mart. Discussion continued.

Michael asked if a credit could be given back to Wal-Mart at a later date of what they would put in on the interim? Mr. Sooby stated that the interim facility is not going to contribute much toward the long term, it really isn't a down payment on the ultimate facilities.

Mr. Davidson asked how will the development fully affect the Treece Meadows. Michael answered hopefully up to a 100 year storm event by calculations it should reduce the downstream affect, its above the 100 year storm event that is of concern. Currently there is 80 cfs coming off for a 10 year storm. Discussion continued.

Sue W. Scholer asked what needs to be done to get the total process going?

Mr. Hoffman stated if Michael feels there is a need for reconstruction as an Urban drain Michael should report that to the Board and then the process can start for making it an Urban drain for reconstruction. That's on the long term. A Petition is not needed all that is necessary is a letter from Michael Spencer surveyor stating that it needs to be an Urban drain and it can be done as an Urban drain. Statement should state that if it is reconstructed as an Urban drain it will drain the area properly. Michael should present a letter to the Board.

Mr. Hoffman agreed with Mr. Sooby's statement that Wal-Mart is going to have to pay most of the cost of the temporary facility as the other property owners can say they are not ready to develop and we don't see the need for this until we develop. Discussion continued.

Items needed from Wal-Mart are: Letter of Commitment for Maintenance of the drain facilities that they build. In the letter a commitment for participation in the original program and that Wal-Mart pay their fair share of reconstruction and if they do not maintain the drainage on their property the county would have a right to come in and do the maintenance and make assessment for the cost. Mr. Hoffman wanted this to be in a recordable fashion so it will run with the land.

The Wal-Mart was asked to come back Tuesday January 9, 1990 at 9:30 A.M. for re-convened session. Due to not having a quorum of Board Members the January 9 meeting was postponed until Wednesday January 17, 1990 at 9:00 A.M..

STATE ROAD

STATE ROAD 38 PROJECT AGREEMENT

38 PROJECT AGREEMENT

Agreement with the State on Hwy 38 the detention pond and drainage. The County will receive \$50,000.00 if it is installed prior to the time the State goes to work on the 38 Project, if the County does not have it installed the County does not get the \$50,000.00 and the State puts it in. This is based on when the work starts. Discussion.

Fred stated that he and Michael had reviewed the agreement and it meets the standards. This goes along with the meeting held October 1988 on the Highway 38 Project. Agreement is on file.

Bruce V. Osborn moved to accept the agreement of State Highway 38 and the water problems, seconded by Sue W. Schuler, unanimous approval.

ORCHARD

ORCHARD PARK

PARK

Michael Spencer Surveyor, presented Fee Proposal prices to provide field survey for the Orchard Park Legal Ditch Project. Earlier two different companies had presented prices for doing surveying work for the project. There was quite a bit of difference in the prices submitted so a more defined scope of work was presented to different companies and Michael has received the following submittals.

Todd Frauhiger read the Companies and their figures this is for the entire watershed area. This would include aerial mapping, contour map for the watershed, all existing pipes within the water shed, their reaches and sizes, inverts, the ravine system all the way down to the Wildcat creek.

Ticen Shulte and Associates	\$31,900.00
John E. Fisher	\$22,372.00
MTA	\$21,680.00
Vester's and Associates	\$24,990.00

The services that were included are:

Aerial Control Survey. Vertical and Horizontal survey to provide control for aerial mapping will be provided.

Establish Baselines. Baselines will be established, referenced, and tied to the horizontal mapping control. These base lines will follow, as closely as possible, the flow lines of the defined ravines.

Investigation of Existing Storm Sewer Facilities. Existing storm sewers and culverts within the watershed will be located, identified and surveyed for length and elevation. This information will be provided in the form of survey field notes. Aerial Mapping of the ravine will be provided, scribed on mylar. Contours will be at one foot intervals, scale will be 1"=100' or as other wise specified. Baselines will be superimposed on the mapping.

THE ITEMS READ ARE NEEDED FOR THE ENTIRE WATERSHED

Descriptions of Easements. Descriptions of proposed easements from each land owner involved will be provided. Easements will most likely be described as a horizontal distance beyond a specified elevation on the bank of the ravine.

Todd stated the quicker the surveyors could get started the better they could get a proper survey, each would like to get to it as soon as possible and no later than February as leaves will be starting and they can not get a true picture. One of the figures presented is only good through February. After that date it may increase the aerial photography figure. If it is delayed longer it could be late 1990 before work could be completed.

Time is needed to go through the presentations, Michael will come back at the next meeting with findings.

Meeting recessed until Tuesday January 9, 1990, January 9, 1990 meeting was re-scheduled for Wednesday January 17, 1990.

TIPPECANOE COUNTY DRAINAGE BOARD
WEDNESDAY, July 11, 1990

The Tippecanoe County Drainage Board met Wednesday, July 11, 1990 in the Community meeting room of the Tippecanoe County Office Building, 20 North Third Street, Lafayette, Indiana.

Chairman Sue W. Scholer called the meeting to order at 9:00 A.M. with the following being present: Bruce V. Osborn and Eugene R. Moore, Board members; Michael J. Spencer, Surveyor; David Luhman, Acting Drainage Attorney; Ilene Dailey Consultant Engineer; and Maralyn D. Turner, Executive Secretary; others are of file.

L.U.R.

L.U.R.
MCCARTY LANE

Stu Kline of Stewart Kline and Associates representing the City of Lafayette presented Drainage Plan for Regional Detention Basin in conjunction with the McCarty Lane Reconstruction requesting Drainage Board approval of the Conceptual Drainage Plan. Road reconstruction begins at from Creasey Lane west to US 52. Presentation is on file. There is problems with flooding in several locations. The Regional Detention basin is proposed to be built in three phases, this is in the Kepner and Layden watershed area.

Phase I: The portion to be built by the City in conjunction with the McCarty Lane project. Accommodates 100 year runoff from the new roadway, areas tributary to the new roadway, and areas tributary to the basin. Phase I provides 18.75 ac-ft of storage capacity. This Phase would basically take care of the flooding problem in the area.

Phase II: The portion to be built by L.U.R. in accordance with the Regional Detention Basin plan. Phase II provides 15.0 ac-ft of storage capacity. This by passes the east and west leg of the Kepner tile. This brings the Layden into the Kepner, at this time there is no positive outlet, the existing Layden tile is old and not functional and quite a bit of overland flow resulting in flooding of the industrial plots. This would benefit the City ponds by allowing a higher release rate by combining the two watersheds. The release was based upon on the allowable flow through the remaining 48" tile, it is well less than a q-10. This still being a restricted structure. This Phase would take care of the existing problem. L. U. R. pond would still be providing on site detention connecting them together.

Phase III: The portion to be built by Caterpillar, Inc., in accordance with the Regional Detention Basin plan. Phase III provides 26.25 ac-ft of storage capacity. In the future Caterpillar, Inc. will be turning the 15 acre site over to the City for maintenance. They would extend this pond to take care of the future development.

All three sub-basins will continue to drain to the Wilson Ditch. The Layden ditch sub-basin, except for about 37 acres adjacent to Creasey Lane, will be re-route to drain through the Regional Basin, out letting just downstream of the head of the Wilson, and the portion of the Treece Meadows legal Drain sub-basin lying west of Creasey Lane (Caterpillar Property) will be re-routed to drain through the Regional Basin, out letting as described.

Bruce V. Osborn asked the size of the Layden. There's 53 acres and the size of the underground tile is 18". Under the road construction they would be putting a new structure, and L. U. R. would provide a ditch and additional detention as required to make the whole new system work. Eventually when Caterpillar, Inc. comes in to do their development of 157 acres, they will reanalysis.

Eugene R. Moore stated that some of the Layden ditch is vacated. This is true, but water still continues to flow in the ditch.

Sue W. Scholer asked if all would become a part of a legal drainage system.. Mr. Kline's answer was that all the area would be deeded to the City.

Don Sooby stated that the proposal designates City of Lafayette as the owner of the Regional Detention Basin. Maintenance and Liability will be assigned to the City.

Maintenance and Liability was a question and concern of Mr. Osborn.

Sue W. Scholer asked what point and time would this occur?

Mr. Kline stated Caterpillar, Inc. and L. U. R. would have to deed the ground over to the city either during or prior to the right-away acquisition process for the road, hopefully prior.

Michael asked if it was going to be part of the right-away acquisition? Answer-the simplest way would be for the firms to donate prior to the acquisition.

Sue W. Scholer stated that she assumes there is concurrence from the two parties involved.

Mr. Kline stated that Larry Coles is Caterpillars Inc.. representative and Robert Grove representative L. U. R..

Mr. Grove requested Conceptual approval for the L.U.R. part of the Plan. He stated that this has been before the board previously. He stated that they have agreed to accept 30 cfs from the Layden ditch. It is controlled by a grade they have put in, L.U.R. has proposed to put in an orifice to control and route it to the west and to the south and detain as they go through, the detention basins or swales will be L.U.R.'s not a part of the regional pond. Sue asked if they would be adjacent to the east. This is correct, they would be on the other side of the line from the big pond. Some of L. U. R.'s water would be in there. The goal is to reduce the 30 cfs plus whatever water they have directed running into the basins down to 9 cfs. They are looking at discharging 100 cfs to the big pond. Their water will get into the system and out long before some of Caterpillars water enters the detention system. By staggering the peaks and looking at the whole regional pond together this is the reason for getting their water in and out. The water will be delayed and enter in, and add to the over all peak.

Mr. Grove stated what they are proposing to do is: The city does have the finalized specifications, include the fencing, the flow line, the cross section of the basin, they intend to build the basin to the city specifications and have their final acceptance; at that point it would be deeded over and become a part of the city. When the road construction is done the city would build their own basin. He stated they would like to build, if possible, this summer to get Phase II pond constructed.

Eugene Moore asked where does the water go now? Michael stated it goes east to the 48" pipe, then south into the Wilson.

Sue asked Michael if he had this in hand long enough to review? He stated this project has been going on for quite some time and there has been alot of discussion. They are only asking for Conceptual approval at this time.

Michael stated that he and Don Sooby have been in numerous meeting in regards to this project, he and Don like the idea of their regional detention basin storage, giving it a three Phase project. L.U.R. wants to build Phase II first, and as long as it all ties together conceptually I have no problem, timing may be a problem.

Sue asked for any questions.

Don Sooby stated that one of the major advantages of the regional basin is that it does have a leveling affect that allows more drainage to go through and be safely discharged into the Wilson branch, if the parties were to approach this independently it would be a situation where the hole is greater than some of the pipes because of the different times of water getting into the basin and if the Drainage Board were to just portion the allowable among the interest parties it would be a burden situation on all three of the major contributors. They would not be able to take advantage of the staggered peaks. This is highly advantageous to all the contributory to the drainage in that basin. Hopefully we can get the Drainage Board approval.

Sue stated that they all had felt all along that there was a solution to this major project, just a matter of everybody getting together to get something worked out.

Larry Cole Caterpillar representative, stated they have a conceptual agreement, they have not looked at it in legal details at this time, but they are working on it. They do agree with the conceptual plans, they have not given the land at this time.

Bruce V. Osborn moved to give conceptual approval to McCarty Lane Drainage Plan and L.U.R. as presented for the over all regional detention plans, seconded by Eugene R. Moore, unanimous approval.

HADLEY LAKE

HADLEY LAKE

Robert Bauman attorney, for the City of West Lafayette presented Petitions. 1. Establish Legal Drain, the outlet channel from Hadley Lake and, 2. A Petition to Reconstruct Legal Drain, the Dempsey Baker ditch.

Dan Kuester of Cole and Associates engineering presented Project Overview and Project Design of Hadley Lake. A study was done in the year 1986 and at that time it was recommended and as the plan presented today does propose to have a positive outlet constructed on the Northeast end of Hadley Lake under Moorehouse Road and to tie into Yeager ditch and eventually into Cole ditch. Yeager ditch would have some improvements done at the channel up to Cole Ditch and from that point and time the drainage goes on to Burnett's Creek then to the Wabash river.

Second part of the proposal is for the reconstruction of the Dempsey Baker ditch which is presently a legal drain, it is an old agricultural tile that is in need of maintenance. The project would reconstruct that; possibly making a new route from Moorehouse road east.

Bruce V. Osborn asked who owns the property? East of Moorehouse road is Purdue Research and the Hadley Lake is Martin Galema. Bruce asked if those property owners were present? Purdue Research had representative present, but Martin Galema was not in attendance. This was a concern of Bruce. He felt that Martin should be in attendance and should be given notice of meetings. Martin and his grandson have been in attendance in other meeting, after much discussion it was decided to precede with the presentation.

Bruce asked if other property owners had been notified of this meeting? It was pointed out that they had not on this particular meeting.

Paul Coutts stated the reason for us here today was that discussion had been held with the surveyor and they felt that before a petition was filed for a formal hearing that a presentation should be made before the board, in no way are they trying to circumvene the owners. Discussion with a number of property owners has been held. This meeting is to just get the Drainage Board up to date on what has been happening and will be presented, this is a preliminary overview.

Sue stated that everything given today will have to be repeated.

Bruce stressed to have all owners notified and kept up to speed of what is happening in the Hadley Lake area.

Dan Pusey assured the board that Martin Galema has been kept a breast of what is happening and at the June 15, 1990 meeting held in regards to this project Martin and his grandson were in attendance, at that time they were made aware of the presentation that was going to be made today as an informational presentation at the same time the petitions were going to be filed. They assumed that Martin and the grandson knew of the date and time of presentation.

Presentation continued and is on file.

The design of the project has been based upon a 100 year storm event during the process of design he has reviewed 6 different durations from 4-24 hour storm event making sure they were looking at the most critical peaks. A portion of Indian Creek is in this

HADLEY LAKE CONTINUED

project reason being there is a back up in which Indian Creek water backs up into Hadley Lake this will continue to occur under the present conditions and after the construction of this project. The design is to minimize any affects of downstream landowners on Cole ditch (project results.) This will be accomplished through the increase in the peak storm condition of Cole Ditch by 0.05 ft. in stage and 37 cfs in terms of discharge. Construction with the floodplain of Cole Ditch requires a permit be granted by the Indiana Department of Natural Resources. Permit has already been granted, a copy of which is included in the report.

They are proposing to cross the road with reinforced concrete pipe, that they intend to coordinate with the County Highway engineer and there is a potential of using corrugated metal pipe arches. This would be only to the approval and agreement with the Highway engineer, and only if it is a cheaper alternative.

Bruce asked Steve how long of a pipe was that going to be? Steve answered that he had no idea as he had not had any contact in regards to this project.

Dan Kuester answered that the pipes arrange from 60-80 feet, the pipe coming out of the Lake itself are 2 - 36 inch pipes which are 500 feet long, this is to allow construction within the proposed easements.

Michael summarized that many meetings have been held in regards to the Hadley Lake project. The ongoing engineering and permitting process through the DNR, working with Paul Coutts, West Lafayette City Engineer and Mr. Bauman with the legal process of petitions, they have been in contact with Mr. Hoffman. Their form has been presented in the petition. Michael stated in his opinion the project was not affecting Mr. Galema's lake adversely, he is aware of it, Michael has met with him, set elevations at his request, the level of the lake will remain, it will provide an outlet for the lake so the flooding problems should be relaxed it will ultimately be the outlet of the Cuppy-McClure ditch having their own storage, but having a place for the water to drain to and away of getting the water out of the lake, instead of continuing dumping water in there with no outlet.

Bruce V. Osborn stated upon hearing this presentation and Michael's summary procedures should follow for a Public Hearing. Bruce stated that this area has had problems for many years and this will take care of those major problems.

David Luhman stated it should be made record that two petitions were received, one to establish Hadley Lake as a legal drain, one to petition to reconstruct legal drain. Then start the process of setting a hearing date. Petitions were presented to Michael.

Bob Bauman stated it is hoped that getting all things in order that this could be started this fall for construction.

RAINEYBROOK
ESTATES
PART VIII

RAINEYBROOK ESTATES PART VIII

Tom Borck representing the property owners of Raineybrook Estates Part VIII. Location of project is in Section 18, Township 22 North, Range 4 West, Wea Township. It is bounded by County Road 500 South, to the South, Raineybrook Estates Parts V and VII to the west and north, and farmland to its east. The proposed development consists of 13 lots on 10.49 acres of land. The site is located in the Little Wea Creek watershed and is currently covered with a small grain crop. Off site drainage contributed by approximately 6.84 acres enters the site from the northwest. Runoff from the area drains overland in a southeasterly direction to an existing culvert under County Road 500 South and eventually discharges into the Little Wea Creek. Easement has been received from Mr. Lux along the west side of Mr. Lux's property. Detention basin has been sized to accommodate the parcel as well as part of the Lux property. The project will consist of 13 lots. They have met with Michael and are requesting preliminary and final approval of the drainage plans.

Michael stated that it has been reviewed and the only comment was that erosion control be incorporated into the plans, there is a sheet in the plans that set out the erosion, it is the recommendation that preliminary and final approval be given and the easement be recorded.

Eugene R. Moore moved to give preliminary and final approval on the 10.49 acres on the Southeast corner of Raineybrook Subdivision for the Raineybrook Estates Part VIII, and the easement be recorded, seconded by Sue W. Scholer, unanimous approval.

~~OMITTED FROM MINUTES SHOULD BE INSERTEED ON PAGE 560, HADLEY LAKE PROJECT.~~

PROJECT RESULTS: The planned project will not result in lowering of the peak water elevation of Haldey Lake during a 100 yr. storm event. What it will result in is the return to a pool elevation of 648.0 in a time period of 3 or 4 days rather than the existing periods measured in terms of weeks.

FARMINGTON
LAKE
DIVISION

FARMINGTON LAKE SUBDIVISION

Robert Grove engineer, representing Farmington Lake Subdivision requested final approval for drainage. The project has been before the board previously. The presentation present is a variation of the drawings presented before. In the past there were central lakes and basins. Location is located east of County Road 400 East just north of County Road 200 North. The development is bordered on the north by Willow Wood Subdivision, on the East by farm land, on the South by woods and a single family residence, and on the west by County Road 400 East and Watkins Glen Subdivision. Watershed consists of approximately 115 acres which drains to the Northwest around and through the side and is picked up and directed North by the existing side ditch along the East side of County Road 400 East. This water continues to the North to the existing ditch along the South side of the railroad then Northeast to an existing culvert under the tracks where it then flows to the Northwest to the Wabash River. The existing side ditches along 400 East and the railroad have been improved and handle the existing runoff.

The entrance has been moved and they did away with any detention within the central area. They are now proposing a large basin to the Northwest corner. There was a question about the existing pond. Mr. Grove doesn't believe that pond was ever met to be a detention facility, there are some problems with it. The area is owned by Dr. Greise (west of the pond). The owner of Farmington Lake Subdivision has met with Dr. Greise, they have come to an agreement that the Farmington owner will provide a 12 foot wide spillway, rip-rap it bringing it into the Farmington drainage system. They are proposing to make a separation along the South line, berm it up keeping Farmington water in the ditch at this point, the berm would drop off to allow any water that came from the South into the ditch switch the berm on the other side to take Farmington water into their detention facility.

FARMINGTON LAKES CONTINUED

At this time Mr. Grove doesn't know what kind of pipe outlet there is. Michael stated it has one, but he doesn't know what design it was built to. He is presuming it was a Soil Conservation project years ago, it comes from down behind the Clegg property. It fills up and spills right over the bank right back into Dr. Greise's swimming pool. Dr. Greise stated it use to be spring fed. Pershing built the pond. Discussion. Michael asked Dr. Greise if he was satisfied with the presentation? They will put the pipe 6-8 inches below where it over flows now. They will be reconstructing the ditch along the south property line and the entire ditch along 400 East. Side ditch will be moved clear back to the right-of-way along with their project. It will be with the Phase I.

Sue W. Scholar asked if Steve Murray County Highway Engineer had been contacted? They have be in contact with the County Highway, they have incorporated the comments in the plans. Robert presented pages 27 and 28 to be inserted in the Plans.

Michael stated the main concerns he had with Robert's submittal was the overflow structure from the existing lake, some other concerns that Dr. Greise had and that is the north end of his property with his existing septic system. This has been satisfactorily addressed. Dr. Greise stated he was happy to be working with Mr. Palmer and Robert Grove. The plan actually resolves the existing pond as the pond does overflow. He stated the pond does not hold water well in its old age. The water comes from Peters Mill landing overflows at Dr. Mark's home comes across his driveway into the pond. Discussion.

Michael stated the only other comments he has is on the County Highway approval and the maintenance of the system.

Robert Grove stated there will be a Homeowners Association and some landscaping that will go in. Michael asked the developer to get with Mr. Hoffman for the proper language in the covenant.

Bruce V. Osborn asked Steve Murray if he had seen the plans? Steve stated they have been in the process of reviewing the construction plans.

Bruce V. Osborn moved to give final approval as presented to the Farmington Lake Subdivision drainage plans with the condition of having the approval from the County Highway Engineer and Supervisor, and the maintenance covenant and restrictions, seconded by Eugene R. Moore, unanimous approval.

ILGENFRITZ-ALVIN PILOTTE

Ilgenfritz
Alvin
Pilotte

Alvin Pilotte, property owner in Sheffield Township, now a resident of Winter Haven, Florida. Mr. Pilotte stated he has a complaint on drainage on his property which the Ilgenfritz drains. His complaint is that the top of the Ilgenfritz tile was torn out, therefore there is no drainage pipe working. He has a dam on his property, discussion of this dam of who put it there and maintenance of it. Lengthy presentation and discussion continued. Sue W. Scholer stated after hearing Mr. Pilotte's story the board will look at his problem. Eugene Moore asked Mr. Pilotte to call him when it would be convenient for him to come out. Michael told Mr. Pilotte that the dam is in there; you better leave it as it was put there for a reason. Berm on the north side of the ditch all the way through Mr. Pilotte's farm, a berm all the way along. Much discussion. Mr. Pilotte stated the ditch was not put in there by the County and not paid for by the tenants. The waterway over the Ilgenfritz tile is north of ditch that Michael is talking about and is still there. Mr. Pilotte is insistent that the map of the Ilgenfritz has been changed. South end of the Elliott ditch which shows the Ilgenfritz ditch. Sue stated this has been a problem that has been hanging fire that started several years ago and the only thing the board can do at this time is take your comments try to do some research, and meet with you. Wyndotte Road and South. Petition was signed when ditch was extended from Mr. Pilotte's road all the way down to the headwall on Jim Phillips. 9910 feet. This was February 6, 1974. Mr. Pilotte stated it was after that the dam was put it. It was after 1975 that Michael saw the dam. Mr. Pilotte feels this turned the water into his farm ditch, who has the right to change the water capacity and take over a private ditch? Michael has never put a dam in where he says a dam was put in or sand bags, fill dirt or anything. Sue stated appreciate his coming.

WILDCAT VALLEY ESTATES SUBDIVISION

Wildcat
Valley
Estates

Robert Grove representing Wildcat Valley Estates Subdivision presented Preliminary Drainage Plan asking for Conceptual approval to waive the detention on the project. Steve Baumgartner is the developer. The project site is located East of Lafayette on County Road 50 North just North of Foxwoods Subdivision, East of Interstate 65, and South of the Wildcat Creek. The project consist of 128 acres only 40 acres will be used for residential development at this time, the remaining 88 acres is either in the flood plane or steep area which is not buildable except for single dwelling on large areas. The proposal has been presented to the Urban Review Committee. At the meeting with the Urban Review committee they requested the committees support for proposal to waive detention requirements for this project. The Urban Review committee did support the waiving of detention, therefore today they are asking for Conceptual approval so they can proceed with the project. The lower portion of this project is right on the Wildcat creek, there is 120 foot elevation difference between Foxwood Subdivision and the Wildcat creek. When Interstate 65 was built they ended up constructing a pond. The Subdivision would like to keep that pond as part of the overall development, if needed they can use it for detention, they are so close to the outlet which is the Wildcat creek, at 100 year flood there is 28,000 cfs, it would take a while to get there. The water from the subdivision will be out within and hour to an hour an half, try to get it into the creek and get it out of the way before the peak from the Wildcat does occur. Timing wise it may be a day later. They are not trying to discharge and add to it. Discussion of the 28,000 cfs.

Michael's comments were: that Mr. Grove has met with the Urban Review committee (volunteer committee that gets together and review some of the projects that are around the urbanized area around the city) the majority, including Mr. Hoffman did support the waiving of detention. Michael pointed out that in a few places the theory that the outlet is handy, the peaks are so different, it is going to take Drainage Board action at a hearing to waive the storage condition. The developer understands this.

SUBDIVISION CONTINUED

Sue W. Scholer asked if DNR has any input when dealing with a natural stream? Mr. Grove stated they do have a permit from DNR to cut the bank back flat using some of the material to fill their lots, they are aware of what is being done in the area and approve of it, the detention they are not really concerned with one way or another, the feeling is that they feel the same as the developer get it out of the stream before the Wildcat peaks. Part of the process there is an erosion problem that the stream comes through, it is cutting into the land, the bank is 8 foot straight up and down.

Sue asked Michael if he agreed, yes, his recommendation is to give Conceptual approval. Eugene R. Moore asked, is the Board creating a problem by waiving detention? Mr. Moore used a similar project (McCutcheon Heights) as an example. Michael stated the problem there was that it was on the Little Wea it was such a long way to the outlet where it meets the river. In this project the Wildcat is relatively a short distance away and is full length of the area to the north. Mr. Moore just wanted to protect the Board in future projects.

Eugene R. Moore moved to give conceptual drainage approval to Wildcat Valley Subdivision, seconded by Bruce V. Osborn, unanimous approval.

ORCHARD
PARK

ORCHARD PARK

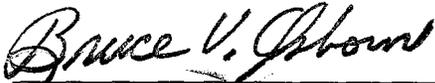
Michael presented two billings from John E. Fisher for the Orchard Park project, one is for the aerial photo work, and the other for man hours for the project per his contract to do the work, he asked for the boards approval. This will be paid out of General Drain and billed back later to repay General Drain. Consent of the board to pay the bills.

Sue stated that she and Michael need to meet with Mr. Hoffman to go over the Contract and Legal Fees, and asked Michael to set the meeting. Mr. Hoffman will be back the week of July 16, 1990.

There being no further business to come before the board, Eugene R. Moore moved to adjourn at 10:40 A.M., seconded by Bruce V. Osborn, unanimous approval.



Sue W. Scholer, Chairman



Bruce V. Osborn, Board Member



Eugene R. Moore, Board Member

ATTEST:



Maralyn D. Turner, Executive Secretary

~~OMITTED~~ FROM MINUTES SHOULD BE INSERTEED ON PAGE 560, HADLEY LAKE PROJECT.

PROJECT RESULTS: The planned project will not result in lowering of the peak water elevation of Haldey Lake during a 100 yr. storm event. What it will result in is the return to a pool elevation of 648.0 in a time period of 3 or 4 days rather than the existing periods measured in terms of weeks.

**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.

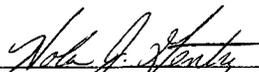
Mike Spencer recommended preliminary approval to the Board.

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

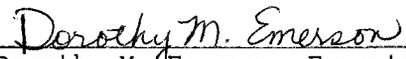
Hubert Yount, seconded. Motion carried.

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
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.

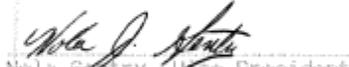
Commissioner Gentry answered there will be a reconstruction hearing.

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
 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
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
REGULAR MEETING
July 2, 1997

The Tippecanoe County Drainage Board met Wednesday July 2, 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, Ruth Shedd, John Knochel, Tippecanoe County Surveyor Michael J. Spencer, Tippecanoe County Drainage Board Attorney Mary Russell pro-tem, Engineering Consultant David Eichelberger, and Drainage Board Secretary Shelli Muller.

Commissioner Shedd moved to approve the minutes from the regular Drainage Board meeting held June 5, 1997 and the special meeting held June 17, 1997, seconded by Commissioner Knochel. Motion carried.

BURNETT CREEK ELEMENTARY SCHOOL

Roger Fine, John Fisher and Associates, representing Tippecanoe School Corporation, presented the Board with drainage plans for Burnett Creek Elementary School located across the road from William Henry Harrison High School off County Road 50 West, south of County Road 600 North. Mr. Fine explained this school is the second school introduced to the Board this year the first was Wea Ridge Elementary School located south of town. The design of the two schools are exactly alike other than Burnett Creek School will have two entrances off the same road unlike Wea Ridge School had two entrances off different county roads. Mr. Fine introduced his associate, David Ayala, to explain the technical issues.

Mr. Ayala presented the Board with an overview of the watershed area of Cole Ditch. The Cole Ditch will be the outlet for the proposed site, the majority of the site will drain through a storm sewer system in the western right-of-way of County Road 50 West with swales to direct the water to the Cole Ditch. The storm sewer will begin north of the northern entrance of Burnett Creek School, then continue south along County Road 50 West, outletting directly into the Cole Ditch which travels east to the Burnett's Creek. The storm water from the site will discharge into the Cole Ditch approximately three hours before the peak flow reaches the point at which the runoff from the school enters the ditch. The increase in the amount of discharge into the Cole Ditch will be 1% from the post-developed condition of the site. Mr. Ayala requested a variance from the ordinance which requires onsite detention and asked for approval of the drainage plan.

Mr. Spencer asked if the County Highway Department has commented on the proposed storm sewer in the county road right of way?

Mr. Ayala stated he spoke with Kristy Alexander County Highway Engineer, and her main concern was the swale running above the storm sewer, they need cross-sections every fifty feet and the swale could not be less than three feet deep.

Mr. Ayala explained the storm drain under the south entrance of Harrison High School, which now handles the runoff from the proposed site would be capped off.

Mr. Eichelberger referred to the memo from June 19, 1997, stating the majority of the issues of the memo were addressed in a meeting held prior to this meeting.

Mr. Spencer recommended preliminary approval with the following condition: the ultimate outfall to Cole Ditch will require a Construction in a Floodway permit from the DNR and approval from the County Highway Department for the proposed storm sewer network located within the right of way of County Road 50 West.

Commissioner Shedd moved to grant preliminary approval with the conditions set forth by Mr. Spencer, seconded by Commissioner Knochel. Motion carried.

STERLING HEIGHTS SUBDIVISION

Jennifer Bonner, Hawkins Environmental, presented the Board with plans for Sterling Heights Subdivision located at the southwest corner of County Road 400 South and South 9th Street and consists of 61.24 acres. The site will have 227 residential lots and one commercial lot, the City of Lafayette will provide water and sanitary sewer services. An additional 12.22 acres also owned by the developer has been included in the calculations and in the offsite storm system design. Ms. Bonner requested a variance from detention storage requirements and acceptance of offsite storm sewer design. Ms. Bonner explained if the construction of the offsite system occurs prior to construction of the development than no onsite detention should be needed, but if the storm sewer is not constructed prior to the development, than an interim detention storage facility will be provided for review and approval of the Board.

Mr. Spencer stated the proposed subdivision has no detention and no outlet. Mr. Spencer would rather review a plan which has the interim detention facility proposed, before granting approval.

Ms. Bonner asked for the variance for no onsite detention with the ultimate plan of the construction of a storm sewer system.

Mr. Eichelberger stated the conditions in the memo dated June 30, 1997.

1. The drainage Board must either approve the variance request for no detention for the proposed development or the applicant must revise the stormwater management plan to include permanent detention.

2. If the Drainage Board approves the variance request for no detention and the applicant proceeds with design of the off-site storm sewer system, then Drainage Board approval for the off-site storm sewer system must be obtained, and construction of this system completed, prior to construction of the subdivision at the subject site.

3. If construction of the subdivision at the subject site must commence prior to the approval and construction of the off-site storm sewer system, the applicant must provide to the Drainage Board, construction plans and calculations for interim detention ponds to reduce the amount of runoff to adjoining properties. These interim ponds must receive Drainage Board approval prior to construction of the subdivision at the subject site.

Ms. Bonner stated an interim pond is being planned and will be submitted for the Drainage Board review and approval before construction on-site will occur.

Commissioner Knochel moved to approve the Sterling Heights Subdivision with the conditions, seconded by Commissioner Shedd, denied by Commissioner Hudson. Motion carried.

OTHER BUSINESS

26 CROSSINGS SUBDIVISION PH II (vacation of drainage easement)
Randy Williams asked for the vacation of a drainage easement located within the 26 Crossing Subdivision, Phase II.

Mr. Spencer stated within the 26 Crossing Subdivision, Phase II are branches of the old Alexander Ross agricultural field tile which no longer is in use. Portions of the tile were vacated with the Meijer Store and portions of the tile were relocated with the Meijer improvements. With the development of 26 Crossings the tile was replaced with the storm sewer system which outlets to the regional detention facility. Mr. Spencer recommended granting the vacation.

Commissioner Knochel moved to grant the vacation of the Alexander Ross Ditch easement, seconded by Commissioner Shedd. Motion carried.

HEMLOCK RIDGE SUBDIVISION

Todd Warrix of Schneider Engineering, representing Matthew Kohler, for the Hemlock Ridge Subdivision presented the Board with proposed drainage plans. Hemlock Ridge will be located between Elston Road, Beck Lane and Old Romney Road and consist of ten lots on 8.3 acres. The developer will sell each lot individually with building plans for an apartment. There is an existing tile that runs through the property which will be replaced with a storm sewer system outletting at the same point were the existing tile currently discharges. Mr. Warrix explained he wanted to address any concerns the Board may have before submitting for review and approval.

AUGUST DRAINAGE BOARD MEETING

Mr. Spencer informed the Board that he will not be in town for the August 6th Drainage Board Meeting and asked if the Board wanted to change the meeting date or meet on the regular meeting date.

After discussion the Commissioner decided to postpone the meeting until Tuesday August 12th at 9:00 a.m.

Being no further business, Commissioner Shedd moved to adjourn until August 12th at 9:00 a.m., seconded by Commissioner Knochel. Meeting adjourned.

TIPPECANOE COUNTY DRAINAGE BOARD

REGULAR MEETING
AUGUST 11, 1997

The Tippecanoe County Drainage Board met Tuesday, August 11, 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, Ruth Shedd, John Knochel, Tippecanoe County Surveyor Michael J. Spencer, Tippecanoe County Drainage Board Attorney Cy Gerde, Engineering Consultant David Eichelberger, and Drainage Board Secretary Shelli Muller.

Commissioner Shedd moved to approve the minutes from the regular Drainage Board meeting held July 2, 1997, seconded by Commissioner Knochel. Motion carried.

WEST POINT DRAINAGE IMPROVEMENTS

LANDOWNERS PRESENT: Homer McDonald, David Dolick, Preston Sipple, Shiela Killian and Cy Gerde.

Steve Murray, Director of the Tippecanoe County Highway Department, presented the Board with an aerial of West Point showing the layout of the lots involved and explained the current situation. An inlet located at the northeast corner of Walnut and Mulberry Streets in West Point discharges into a ten inch pipe under Walnut Street. The flow continues south to a french drain which has no positive outlet causing the area to pond. Mr. Murray proposed to eliminate the ponding by establishing a positive outlet for the ten inch pipe. The pipe could be continued south along Mulberry Street outletting near Pearl Street into a rip-rap swale that would allow the flow to proceed to the Flint Creek.

Ms. Killian stated she had no objection to the improvements that were proposed. She wanted to be certain the swale proposed will not cause stagnant water and a place for mesquite to breed. Ms. Killian also asked if Mulberry Street would be developed as it shows on the plat of West Point?

Mr. Murray stated it is not the policy of the Highway Department to develop streets that were platted, but not constructed. State statute states if the landowner wants to upgrade and utilize the street for access to property than it is at the expense of the landowner. The County Highway Department can then assume responsibility for maintenance after the street is constructed.

Ms. Killian concern with continuing the ten inch pipe south is it could create more runoff.

Mr. Murray explained the amount of runoff will not be greater, the improvement will create a place for the water to go, which currently pond on McDonald's property.

Other discussion of drainage situation in the town of West Point continued. Mr. Murray suggested meeting with someone in West Point who knows where the drainage tiles are and plot the tile so when a drainage situation occurs the County will have a map to go by.

BURNETT CREEK ELEMENTARY SCHOOL

Roger Fine of John E. Fisher & Associates, representing the Tippecanoe County School Corporation. Mr. Fine presented the Board with final drainage plans for Burnett Creek Elementary School, located east of County Road 50 West, just south of County Road 600 North. A revised set of plans were submitted, reviewed and a memorandum was received on July 24th 1997.

Mr. Spencer recommended final approval with conditions as stated in the July 24th memo.

1. The applicant must receive a permit from the DNR for Construction in a floodway of the Cole Ditch.
2. Approval from the County Highway Department for the proposed work within the right-of-way of County Road 50 West.
3. A set of certified construction plans must be submitted.

Mr. Fine stated the first two conditions are in progress.

Commissioner Knochel moved to grant final approval of Burnett Creek Elementary School subject to the three conditions, seconded by Commissioner Shedd. Motion carried.

HEMLOCK RIDGE SUBDIVISION

Todd Warrix, Schneider Engineering, presented the Board with final drainage plans of Hemlock Ridge Subdivision. The site consist of 8.3 acres located between Old Romney Road and Elston Road and will be developed into 10 lots with one apartment building per lot. Mr. Warrix explained currently there is a 15 inch clay tile located at the southeastern end of the site which will be replaced with the drainage swale.

Mr. Spencer recommended final approval with conditions.

1. Calculations of inlet capacity are required to verify that there is less than 7 inches of ponding at all inlets, for the 100 year frequency event. The applicant should indicate the emergency overflow routes to show that the excess runoff from a 100 year storm event will drain into the proposed pond.

2. The applicant must obtain approval from the County Highway Department to connect to the existing sewer under Old Romney Road.
3. The applicant must submit certified construction plans.

Commissioner Shedd moved to grant final approval of Hemlock Ridge Subdivision subject to the three conditions, seconded by Commissioner Knochel. Motion carried.

OTHER BUSINESS

PETITION BY DARRYL LUTES TO REMOVE OBSTRUCTION

Mr. Spencer stated Darryl Lutes of 11302 State Road 25 South filed a petition to the Tippecanoe County Drainage Board to remove obstruction in mutual drain. Mr. Lutes stated in the petition that the drainage is impaired as a result of an obstruction at the point where his surface drain empties into **Shawnee Creek**. Mr. Lutes stated the obstruction has caused erosion along the south part of his field. Mr. Lutes has contacted Mr. McCorkle, the landowner who has created the obstruction, in writing and Mr. McCorkle failed to remove the obstruction so therefore he is asking the County for help.

Mr. Spencer stated the obstruction is located off County Road 1160 South on Mr. McCorkle's property. Mr. Spencer asked the Commissioner to look at the situation out in the field. Mr. Spencer explained the length and height of the obstruction needs to be determined so a cost for removal of the obstruction can be considered. Mr. Spencer suggested using the next Drainage Board meeting as a hearing for the petition.

Commissioner Hudson stated she received a complaint from Diane O'Malley, 3700 **Capilano Drive**, concerning water standing in her yard coming from her neighbors yard. Commissioner Hudson requested Mr. Spencer take a look at her situation and report back to the Drainage Board.

Commissioner Hudson received a call from Rick Norwood who fishes in Capilano Subdivisions lake and wanted written permission from the Board to allow his to fish on the US 52 side of the pond.

Mr. Murray stated the County can not grant permission because it is a state road. That issue has been contested in court before and generally over-ruled.

Commissioner Hudson stated she will notify Mr. Norwood of the Board's findings.

Being no further business, Commissioner Knochel moved to adjourn until September 3, 1997, Seconded by Commissioner Shedd. 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	Absalm Miller	Ann Montgomery	Parker
Lane			

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

June 2, 1999

Regular Meeting

Those present were:

Tippecanoe County Commissioners John Knochel and Kathleen Hudson, County Surveyor Mike Spencer, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger and Drainage Board Secretary Doris Myers.

The Tippecanoe County Drainage Board met Wednesday, June 2, 1999, 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 May 13, 1999 Drainage Board Meeting. Commissioner Knochel moved to approve the minutes of May 13, 1999 Drainage Board Meeting, seconded by Commissioner Hudson. Motion carried.

WILLOWBROOK WEST APARTMENTS

Tim Beyer representing Vester & Associates Inc. presented plans of Willowbrook West Apartments for final approval. The project site is located immediately north of Lindberg Road in Wabash Township, between 1,000 and 1,700 feet east of the intersection of Lindberg and McCormick Roads. This project is directly across from Blackbird Farms. Project will consist of 360 apartments and will be developed in three phases. First phase four buildings will be constructed with storm sewer and 2 detention ponds for entire site. Storm sewer and detention ponds were sized to carry both onsite and offsite water. Emergency routing would be routed through the project and eventually thru the detention pond.

Vester & Associates submitted letter & permit from Corps of Engineers and Indiana Department of Environmental Management for work in a wetland.

Dave Eichelberger with Christopher B Burke Engineering commented Vester & Associates needs to address issues regarding calculations concerning the pipe network, do a hydraulic grade line calculation because there are a lot of losses that occur when you have a very sharp bend in a manhole. Also spillway section needs to be rectified before final plans get submitted either by changing on plans or changing on the calculations and resubmitting.

For future phases just want to keep in mind they are going to be collecting off-site water for some large areas at certain points and we are making sure in the future all water can be handled properly. The additional ponds should help Blackbird Farms situation and other off-site areas.

Memo needs to be submitted regarding pipe network and spillway issues.

Commissioner Knochel moved to grant final approval with conditions of a memo being met, seconded by Commissioner Hudson. Motion carried.

WATKINS GLEN SUBDIVISION PHASE 4 PART 3

Tim Beyer representing Vester & Associates Inc., presented plans of Watkins Glen Subdivision Phase 4 Part 3 for final approval. The project site is approximately midway between County Roads 200 and 300 East, and extends approximately 500 feet south of Pershing Road. This is the last phase and has 9 lots and one existing house. This is the last phase and is hooking into an already approved system.

Commissioner Knochel moved to grant final approval to Watkins Glen Subdivision Phase 4 Part 3, seconded by Commissioner Hudson. Motion carried.

OTHER BUSINESS

Mike Spencer reminded the Commissioners of letter for request of special drainage board meeting from Tim Beyer of Vester & Associates, Inc., for Don Whitehead, Lantern Hills Minor Subdivision, for sometime during the week of June 7th. Mike and Commissioners have also received telefax's from downstream landowner, Mary Ann Oyer, requesting that if a special meeting is held, that it not be held before June 22. Mike commented he was in contact with Mary Ann Oyer's attorney, Mr. Tom Herr, this morning. Tom Herr wanted to know if a special meeting would be granted, and if so when. Tom Herr also requested that the special meeting not be held until after June 22 so Mary Ann Oyer could be present. Tom Herr also asked for more time so he could review the information he has received from Mary Ann, yesterday or day before.

Commissioner Knochel suggested that we back up meeting until after June 22, so Tom Herr has opportunity to look over the literature Mary Ann Oyer has given him. Commissioners are going to defer on a date until Tom Herr gets back with Mike & Commissioners in a timely manner.

All the paper work for Lantern Hills Minor Subdivision seems to be in order.

Mike Spencer will inform Don Whitehead of the Drainage Board decision on special meeting.

COLEMAN DRAIN EASEMENT

Mike Spencer presented request from Larry Anthrop of Lafayette Bank & Trust. Larry Anthrop is representing an estate of Roscoe Camp. Land is located north of Union Street near Crouch School. Courts have ordered to be sold and distributed to heirs. Thomas Coleman drain was replaced about 10 years ago as part of a sanitary sewer project to the city of Lafayette. They are requesting the easement be reduced from 75' to 25' each side of the center line.

Commissioner Knochel moved the approval of reduction of Coleman Drain Easement from 75' to 25' each side of centerline, seconded by Commissioner Hudson. Motion carried.

Being no further business, Commissioner Knochel moved to adjourn until July 7, 1999, at 10:00 a.m., seconded by Commissioner Hudson. Motion carried.

Ruth Shedd, President (ABSENT)

Doris Myers, 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
June 6, 2007
Regular Meeting

Those present were:

Tippecanoe County Drainage Board President John Knochel, member KD Benson, 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. Vice President Ruth Shedd was absent.

Approval of Minutes

KD Benson made a motion to approve the May 2, 2007 Regular Drainage Board minutes as written. John Knochel seconded the motion. The May 2, 2007 Drainage Board meeting minutes were approved as written.

The Greens

Paul Coutts of C&S Engineering appeared before the Board to request final approval for The Greens development. The existing Par View Golf Course located southeast of St. Rd. 26 and County Road 325 West intersection was approximately a 32 acre site to be developed into a 21 lot subdivision. A private access drive from St. Rd. 26 was to be designated as Outlot B and known as Par View Drive. Paul stated the lots would be one acre minimum. It is the intent of the developer to keep the character and nature of the course and plan to keep the topography as close to the present state as possible. A wet detention pond would be located on Outlot D with the outlet draining east to Jordan Creek. A dry detention facility would be located on Outlot F in the southeast corner of the site. This would have a 12 inch pipe with a 4 inch orifice plate for a controlled release. Approximately 80 acres offsite drained through a 36 inch culvert under WinWood Lane to the pond in Outlot F then through a culvert under County Road 350 West. An existing field tile (which drained the aforementioned 80 offsite acres) would be relocated alongside the boundary line between lots 9 and 10 and would drain to the pond in Outlot D. Swales would be added to provide post construction drainage to a culvert below the access drive. Paul stated the normal requirement into a dry detention facility was a 3-1 slope. He thought the wording of the Ordinance clearly stated below the water a 6-1 slope was required along with a maintenance ledge adjacent to the water. He felt the same criteria that exist for a dry detention facility should be allowed for a wet detention facility. He stated a 3-1 slope in the area above the pool was appropriate. The maintenance ledge in his opinion gave the same type of floor situation for a dry detention basin. He referred to his drawing the 3-1 slope, stating in he did not feel it was a steep slope. He requested a variance to Chapter 6 of the Ordinance for the construction of a 3-1 slope versus a 6-1 slope. KD Benson stated she reviewed the Water Safety Committee's recommendations and it was clear they recommended a 6-1 slope above the safety ledge (located below the water) and a 3-1 slope below the safety ledge. The Surveyor stated the final report and recommendations of the Water Safety Committee was to have a 6-1 slope above the water level. He verified this by emails and the Water Safety final report. He noted the pond cross sections in the Ordinance were put in per the recommendation of the Water Safety Committee. Paul stated he felt their situation had the same category of safety as a dry facility and felt the same perimeters should apply. The Surveyor stated the rationale in leaving 3-1 on dry ponds were that they can be a maximum depth of four feet and drain out within 48 hours. Whereas a wet bottom pond always has a pool. Paul stated the only time there would be water on the safety ledge would be when it rains and that was the same situation for a dry detention facility as well. The water would recede just like a dry facility. The Surveyor stated the regulation was recommended in order to provide an additional level of safety for kids riding bikes, sledding etc. Paul stated he felt this was a reasonable request and as a private development with large lots they anticipated there would not be kids running around the neighborhood. Responding to KD's inquiry concerning the present location of the field tile, the Surveyor noted he spoke with Mr. Erwin and confirmed the tile's route through a low area within the golf-course to the existing pond. The site was reviewed utilizing GIS and shown to outlet into a tributary of Jordan Creek. KD then asked for public comment. Jim Turley 1030 Windwood Lane (2nd property south of the southwest retention facility) approached the Board and stated he lived in that area for 26 years and has seen a lot of water in that area. He stated they experience at least 3 rain events or more a year which causes flooding of the backside of his lot. He stated the water runs through his property to Tanners property and into Jim Poullis' pond. He does not believe the dry detention pond would be dry 90% of the time as stated. He stated he had concerns of the drainage of Erwin's property and hoped it did not affect his land in the future. The Surveyor noted he made a site visit on Monday and the existing pond was designed per the ordinance. There is a 12 inch outlet pipe with a four inch orifice plate (for restriction and currently there is a 24 inch pipe under the closest drive. He stated their plans had reduced the amount of discharge to the absolute least amount which could be released. He noted photographs were required of the present condition of the site and downstream. Mr. Bob Meister (Developer) approached the Board. He stated he has spent a lot of time making changes which the Surveyor & Engineer Consultant felt were necessary. He had thought all the changes were complete to include being informed last week of the requirement for a guardrail around the pond. He was unaware of the required 6-1 slope until today. The planned access road

would keep as many of the existing trees as possible. The change from a 3-1 to 6-1 slope on the pond would cause the development plans to be changed completely. Bob stated the cross section would be a guardrail, 3-1 slope and flat for 10 feet and then the 6-1 slope. Dave Eichelberger confirmed for KD the 10 foot flat area would be under water. Bob then stated most everyone contacting him for purchase of the lots were adults ready to retire and he felt there would be very few children in that area. Also the guardrail would be an added protection. Bob confirmed for KD that no children allowed was not a covenant. He repeatedly requested the Board to make an exception in this case for the 3-1 slope. He stated he had been more than cooperative with the Surveyor's office. Phyllis Windle 2955 St. Rd. 26 West approached the Board. She owned the property with Mary Fuqua adjacent to the present Par View Golf Course. She stated her concern was possible drainage backup into their basement and three car garage. Dave Eichelberger noted the pond was designed per drainage ordinance and the flow would be restricted and should result with less water discharged but at a longer period of time. The offsite water coming from the west will pass through with a reduction of flow due to the restriction from the orifice plate. So theoretically it would drain better. Jack Helkamp 1056 Windwood Lane approached the Board. As a downstream owner he was interested in the drainage route from the pond planned in Outlot F located in the southeast corner of the site. He felt the homes downstream would likely be more affected by that pond's drainage than the larger existing pond. Dave Eichelberger stated the drainage would not be changed. There was 3.1 acres that drained offsite through a 24 inch pipe under the drive. They will berm that off and put a four inch hole there to block flow and detain the water. It will still go through the 24 inch pipe under the drive at its present path. The Surveyor stated the dry detention pond was designed per the ordinance. The Ordinance was in place to insure someone did not create an impervious surface and not detain or retain water and also to release it an acceptable rate. He reiterated on the big pond there should be the same if not less quantity of water but may see it over a longer period of time because it was being held back and released through a four inch opening. Bob Meister stated he has worked with adjoining owners all along and hoped the Board would take this into consideration and agree to grant the variance as requested. Marion Pak 1040 Windwood Lane approached the Board and stated she had lived in the area since 1965. She informed the Board the larger pond had been a magnet for children to play around historically. Safety was a concern. She also asked if the dry pond would really be dry. She was concerned that it may overflow the road and drain into her basement. KD stated it was the intent of the ordinance to protect the citizens. Dave Eichelberger stated a dry pond is designed to periodically retain water with each rainfall. However after a couple weeks of no rain, the bottom would be dry- that is why it is called a dry bottom pond. Dave noted if the pond would overtop it would travel the same route it goes today, so it would be no different without the development. The Surveyor stated the maximum depth the pond could have was four foot and should drain out within 48 hours. The intent was for the pond to basically be dry- not having standing water of any depth other than after a rainfall. He noted the site would be inspected during construction and after construction. A maintenance bond would be required for the assurance of proper workmanship as well. He informed the Board he and the consultant did not feel comfortable in recommending granting the requested Variance. Dave Eichelberger responding to John Knochel stated a redesign would be in order if the Variance was not granted. John Knochel stated he agreed the Variance presented a problem in light of the events which happened this past weekend. (Pond drowning) This brought to reality one of the things which could happen with retention ponds. He understood the developer was trying to keep the lay of the land; however he could not support the granting of the Variance to the Ordinance. Responding to KD, Dave stated upon the plan's review on May 8th it was conveyed to American Structure Point that the requirements of Chapter 6 of the Ordinance Standards were to be complied with and reiterated at a later date. KD stated she agreed with John and could not approve the Variance as well. She made a motion to grant final approval with the conditions stated in the June 4, 2007 Burke memo as well as the additional condition to follow the pond design requirements as put forth in Chapter 6 of the Ordinance Standards. John Knochel seconded the motion. The Greens Subdivision was granted final approval with the conditions as stated on the June 4, 2007 Burke memo with the additional condition of following the pond design requirements as put forth in Chapter 6 of the Ordinance Standards.

Harrison HS Improvements

Tim Balenseifer and Justin Frazier from TBIRD Designs appeared before the Board to request final approval for multiple Harrison High School Improvements. Tim presented an overall plan for the Harrison High School Campus. Improvements included additional parking area, academic building, renovation of the baseball concession stand, and expansion of the Stormwater pond to accommodate the noted improvements. The side slopes of the pond were 10-1 for maintenance accessibility. A storm ceptor structure will be installed at the emergency spillway location. He stated he concurred with the May 29, 2007 Burke memo and would comply with the conditions as stated. Bids would be let in the next two weeks for construction. The Surveyor recommended final approval with the conditions as stated on the May 29, 2007 Burke memo. John Knochel made a motion to grant final approval with conditions as stated on the May 29, 2007 Burke memo. KD seconded the motion. Harrison High School Improvements was granted final approval with the conditions as stated on the May 29, 2007 Burke memo.

Harrison HS Master Drainage Plan

Tim Balenseifer and Justin Frazier from TBIRD Designs appeared before the Board to review the Harrison High School Master Drainage Plan. Tim stated the master plan projects to be discussed included Harrison High School and McCutcheon High School master plans. The projects began in 2004 and TBIRD has worked closely during this time with Christopher Burke Engineers and the Surveyor's office. Due to numerous small projects for both schools a master plan was designed. TBIRD researched the history of all the projects and noted the dates of improvements within the plan. Tim stated as new improvements were planned in the future for both Harrison and McCutcheon High Schools; the master plan would be followed. The Harrison High School Campus proved to be the most difficult as it involved two watersheds. The site was benefited by the Cole Regulated Drain as well as Burnett Creek. Dave Eichelberger stated that TBIRD was creating "a living document, which would be updated as projects were added". This would provide an outline for future projects on both sites. For instance due to its proximity to Wea Creek, detention would not be required for McCutcheon on a normal basis unless there was a restricted outlet. Stormwater quality measures would be also met. This would aid greatly in planning of future projects. The Surveyor stated he had requested a master plan as numerous small projects had been completed without written record through the Drainage Board. He felt it was in the Board's and Tippecanoe School Corporation's best interest to have a document which summarized all the projects to date and to aid in the planning of future projects. Tim stated there had been some Stormwater quality measures taken at the McCutcheon Campus site as well. The Surveyor stated this was an informative presentation only and did not feel it was in need of a formal approval. KD noted her appreciation for the presentation and thanked TBIRD Designs for their extensive work on the master plan.

Other Business

S.W. Elliott Branch #9 / Petition for Reconstruction of Drain/Hoosier Concrete LLC-aka Prairie Materials

S.W. Elliott Branch #9 / Petition for Reconstruction of Drain/John C. Rice

The Surveyor presented the Petitions for Reconstruction for Branch #9 of the S.W. Elliott Regulated Drain submitted by Hoosier Concrete LLC-aka Prairie Materials as well as one submitted by the adjoining landowner John Rice. The Surveyor stated the aforementioned Branch was relocated along C.R. 350 South and discussed previously during the review of the Best Way Disposal project. The Hoosier Concrete/aka Prairie Materials site was also known as Lot 1 of Derhammer Industrial Subdivision. The Surveyor noted he required construction plans and calculations to be submitted for the record. The Concrete plant had requested to relocate the section of the tile which ran through their tract, however that would have left a section through Mr. Rice' property which would not have been reconstructed. Hoosier Concrete agreed to upgrade that entire stretch of Branch #9. The construction was coordinated with Mr. Rice and a new stand pipe was installed on his tract at his request. The petitions were coordinated with the Board's Attorney and the present 150 feet Regulated Drain Easement (75 feet on each side) were also requested to be vacated. The Regulated Drain Easement would be replaced with a 50 feet Regulated Drain Easement for the relocated branch through both properties. (25 feet on both sides of the centerline) He stated he spoke with Mr. Whaley who owned property on the west side of the road and he was satisfied with the plans. He felt the reduction of easement was fair since Hoosier Concrete had bore the cost of the relocation saving the watershed landowners the high cost as they replaced an aging agricultural clay tile with heavy duty corrugated smooth line tile. The Attorney stated there were two actions to take; one to approve the vacation and reconstruction and second the reduction of the right of entry from 75 feet to 25 feet. John Knochel made a motion to approve the vacation and reconstruction of the S.W. Elliott Branch #9 for Hoosier Concrete aka Prairie Materials as well as the Reduction of Easement from 75 feet to 25 feet on either side. KD Benson seconded the motion. The vacation and reconstruction of the S.W. Elliott Branch #9 for Hoosier Concrete aka Prairie Materials as well as the reduction of the Regulated Drainage Easement reduced from 75 feet to 25 feet on either side was approved. John Knochel made a motion to approve the vacation and reconstruction of the S.W. Elliott Branch #9 for John C. Rice as well as the Reduction of Easement from 75 feet to 25 feet on either side. KD Benson seconded the motion. The vacation and reconstruction of the S.W. Elliott Branch #9 for John C. Rice as well as the reduction of the Regulated Drainage Easement reduced from 75 feet to 25 feet on either side was approved.

Treece Meadows Relief Drain /Wilson Branch of the S.W. Elliott Regulated Drain Maintenance Agreement

The Surveyor presented a Maintenance Agreement for the Treece Meadows Relief Drain/ Wilson Branch of the S.W. Elliott Regulated Drain through the Cascada Business Park project. This agreement was required as a condition of approval for the May 2, 2007 approval of the reduction of easement for the Treece Meadows Relief Drain /Wilson Branch of the S.W. Elliott Regulated Drain within Phase III of the Cascada Business Park and had been reviewed by the Board Attorney. He recommended acceptance of the Maintenance Agreement as presented. John Knochel made a motion to accept the Maintenance Agreement for the Treece Meadows Relief Drain/Wilson Branch of the S.W. Elliott Regulated Drain. KD Benson seconded the motion. The Maintenance Agreement for the Treece Meadows Relief Drain/Wilson Branch of the S.W. Elliott Regulated Drain was accepted by the Board.

Public Comment

Norman Bennett 952 Kerber Road West Lafayette approached the Board. Mr. Bennett confirmed there was work being done on the Whaley tile. The Surveyor stated Mr. Tom Osborn was hired to dig out the old tile to Pine Creek to give a positive outlet. Unfortunately a sand vein was hit in that process. He had not been out there in a week however it was draining last week. He stated they are continuing to work on it. He noted dry weather was needed to complete the inspection. The tile was dug up in north of S.R. 26 and he felt the back pressure from water downstream filled those holes up again. Mr. Bennett stated he would like to see something done as quickly as possible and appreciated the work to date. In response to KD's inquiry, the Surveyor stated there was a large hole on the north side of S.R. 26 and four holes between S.R. 26 and the marsh area on Whaley property. They assume the major problem is through the marsh land. It had gotten bad enough that the tenant farmer was unable to get in to plant a sizable acreage north of where the tile ran between Pine Creek and the Marsh. So concern is greater now that additional tillable ground is being lost. He informed Mr. Bennett his office would continue to monitor the situation and try to come up with some solution as soon as possible.

**J.Berlowitz Regional Detention Facility Cover Sheet
Lewis Jakes Regulated Drain #40 Reconstruction Cover Sheet**

The Surveyor presented the J.Berlowitz Regional Detention Facility Project Cover Sheet and the Lewis Jakes Regulated Drain #40 Reconstruction Cover Sheet to the Board for signatures. He stated due to the removal of the 300+ cubic yards of dirt from the Clarian Arnett Project the plans and specifications for the Berlowitz Phase 1 project had to be revised. Christopher Burke was in the process of finishing up those contract documents. He hoped to go to Bid on that project as soon as those documents are completed. A signed cover sheet for the plans was needed in order to prepare the final contract plans and documents. By signing the cover sheet he noted they would be approving the revised construction plans. John Knochel made a motion to sign the Berlowitz Detention Facility Cover Sheet. KD Benson seconded the motion. The J.Berlowitz Regional Detention Facility Project Cover Sheet was signed by the Board. The Lewis Jakes Regulated Drain #40 Reconstruction cover sheet was presented for signatures. The Surveyor stated he was in the process of finalizing the contract documents for this project and hoped to have the project ready for bid in the next several weeks. He also stated County Highway was working on the design of the Bridge at C.R. 750 North. He was close to having the documents completed and recommended the Board sign the cover sheet for the Lewis Jakes #40 Regulated Drain Reconstruction. John Knochel made a motion to sign the Lewis Jakes #40 Regulated Drain Reconstruction cover sheet. KD Benson seconded the motion. The Lewis Jakes Regulated Drain #40 Reconstruction cover sheet was signed by the Board.

Maintenance Bonds

**Fiddlesticks Ph. 2/Maint. Bond #4392274/\$8260.00/Fairfield Contractors/Date-January 3, 2005
Wal-Mart 350 South/Maint. Bond#MNT8859121/\$91850.00/ Poindester Exc./Date-Oct.13, 2006**

The Surveyor submitted Fiddlesticks Ph. 2 Maintenance Bond #4392274 in the amount of \$8260.00 submitted by Fairfield Contractors Inc. and dated January 3, 2005 as well as Wal-Mart 350 South/ Maintenance Bond#MNT8859121 in the amount of \$91850.00 submitted by Poindester Exc. and dated Oct.13, 2006 for approval by the Board. John Knochel made a motion to approve the acceptance of Fiddlesticks Ph. 2 Maintenance Bond #4392274 in the amount of \$8260.00 submitted by Fairfield Contractors Inc. and dated January 3, 2005 as well as Wal-Mart 350 South/ Maintenance Bond#MNT8859121 in the amount of \$91850.00 submitted by Poindester Exc. and dated Oct.13, 2006. KD Benson seconded the motion. Fiddlesticks Ph. 2 Maintenance Bond #4392274 in the amount of \$8260.00 submitted by Fairfield Contractors Inc. and dated January 3, 2005 as well as Wal-Mart 350 South/ Maintenance Bond#MNT8859121 in the amount of \$91850.00 submitted by Poindester Exc. and dated Oct.13, 2006 was approved as submitted.

John Knochel, President

Ruth Shedd, Vice President

Brenda Garrison, Secretary

KD Benson, Member

Tippecanoe County Drainage Board
Minutes
March 4, 2009
Regular Meeting

Those present were:

Tippecanoe County Drainage Board President Thomas Murtaugh, Vice President David Byers, member John Knochel, 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

David Byers made a motion to approve the January 7, 2009 Regular Drainage Board minutes as written. John Knochel seconded the motion. The January Drainage Board meeting minutes were approved as written.

Harrison High School Advanced Studies Addition and New Parking

Pat Jarboe from TBird Design Services appeared before the Board to request final approval for the Harrison High School Advanced Studies Addition. Pat stated an overall study of the High School Campus was completed in 2005. The Campus site was located southeast of intersection of County Roads 600N and 50W (County Farm Rd) and the northern portion outlet directly to Burnett Creek and the southern portion to Cole Ditch. The Cole Ditch was located in the southeast of the campus site, meandered through the Golf Course and eventually outlet into Burnett's Creek. The new addition was located on the east side of the existing school. The parking lot would be located on the west side of the school near an existing drive. This area's drainage would be directed to an underground detention basin designed to capture the runoff. This would allow future expansion for the school. In the future, if the campus would expand to the south there would not be an adequate area for a detention basin, therefore the proposed underground basin would be used as an offset for the area. The overall area storm quantity captured presently was approximately 8 cubic feet per second. This would be lowered to approximately 1.4 cubic feet per second (100 year). The underground storage would be 36 inch tall plastic chambers placed on and packed in with large riprap or stone. A Storm Ceptor would be used for water quality and discharged into C.R. 50W (County Farm Road) ditch. This ditch eventually outlet south into the Cole Ditch. Part of the reason underground storage was designed was to save as much square feet as possible on the Campus site for future use. The underground storage minimized the footprint of the overall project. Pat stated they concurred with the March 2, 2009 Burke memo. He then requested final approval with the conditions as stated on said memo. The idea when the master study was completed was to keep it updated and that would be done once approval was granted by the Board. He then requested final approval with the conditions as stated on the March 2, 2009 memo. David Byers made a motion to grant approval with the conditions as stated on the March 2, 2009. John Knochel seconded the motion. The Harrison High School advanced Studies Addition and new parking area project was approved with conditions as stated on the March 2, 2009 Burke memo.

Other Business

JN Kirkpatrick Regulated Drain

The Surveyor presented seven Assignments of Easements regarding the lower portion of the J. N. Kirkpatrick Regulated Drain submitted by the City of Lafayette Board of Public Works. The Easements' locations were from C.R. 350S to Concord Rd (C.R. 250E). The first assignment involved key #162-16602-0247 Dorothy Bullock, recorded document # 03001936. The second assignment involved key#162-16602-0181 Leonard & Dorothy Bullock, recorded document # 03001934. The third assignment involved key#146-04600-0133 Mary Margaret Purdy, Edward J. Purdy, and Carol A. Purdy, recorded document # 02001963. The fourth assignment involved key#146-04600-0133 Mary Margaret Purdy, recorded document # 02001965. The fifth assignment involved key#146-04800-0098 D.F. properties LLP, recorded document # 01001596. The sixth assignment involved Key#162-16602-0236 Tippecanoe County Park and Recreation, recorded document # 01023272. The final assignment involved Key#146-04600-0530 Edward J. Purdy and Carol A. Purdy, recorded document # 02001960. David Byers made a motion to approve the assignments of easements as presented by the Surveyor. John Knochel seconded the motion. The Assignments of Easements were approved as requested by the Surveyor and submitted by the City of Lafayette Board of Works.

2009 Professional Engineering Services Contract

The Surveyor presented a 2009 Professional Engineer Review Contract submitted by Christopher B. Burke Engineering LTD for approval by the Board. He stated the rates in the Contract were the same as the previous year and he recommended acceptance and execution of the proposal for Engineering service to the Board. Dave Luhman stated he had reviewed the contract and it was in order. John Knochel stated he was pleased with their services and noted Mr. Eichelberger was always very responsive and he recommended the acceptance of the contract. David Byers made a motion to accept the contract as presented. John Knochel seconded the motion. The 2009 Professional Engineer Review Contract submitted by Christopher B. Burke Engineering LTD was accepted and approved by the Board.

**Steve Murray
Letter of Credit and Bonds**

Mr. Murray presented the following Letter of Credit and Bonds for acceptance by the Board. The first was a Letter of Credit #622 from Becknell Dev. LLC regarding Ichiya Industrial Tract B aka New TRW Facility in the amount of \$21,100.00. The second was a Letter of Credit #592 for the TRW Facility in the amount of \$30,000.00. (This was an amendment to the original Performance Bond in the amount of \$211,000.00.) Third was Performance Bond #474416 submitted by Tipmont R.E.M.C. for the Tipmont R.E.M.C. Lafayette Substation located near Battleground in the amount of \$39,230.00. Fourth was Maintenance Bond # B0302412 submitted by F&K Construction for the Industrial Pallet Sanitary Sewer at Clarks Hill (an extension from existing Clarks Hill Sanitary Sewer plant to the Industrial Pallet Facility located just south of S.R. 28) in the amount of \$40,000.00. Fifth was Maintenance Bond #B8883933 submitted by F&K Construction for Bridge Mill Phase 1 in the amount of \$17,250.00. The final was Maintenance Bond #C296919 submitted by R&W Contracting for Lilly Mae Estates in the amount of \$7,500.00. The Surveyor recommended acceptance of the various Letter of Credits and Bonds as presented. David Byers made the motion to accept the Letters of Credit and the Bonds as presented by the Surveyor. John Knochel seconded the motion. The aforementioned Letters of Credits and Bonds were accepted by the Board.

Public Comment

As there was no public comment John Knochel made a motion to adjourn. David Byers seconded the motion. The meeting was adjourned.

Thomas Murtaugh, President

David Byers, Vice President

Brenda Garrison, Secretary

John Knochel, Member

Tippecanoe County Drainage Board
March 14, 2012
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President David Byers, Vice President Thomas Murtaugh, member John Knochel, County Surveyor Zachariah Beasley, Drainage Board Attorney Dave Luhman, Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering Limited, and Drainage Board Secretary Brenda Garrison.

Approval of Minutes

Tom Murtaugh made a motion to approve the January 4th Regulated Drain Hearing and the January 4th Regular Drainage Board Meeting minutes as written. John Knochel seconded the motion. The December 7th Regulated Drain Hearings and the December 7th Regular Drainage Board Meeting minutes were approved as written.

Winding Creek Section 6

Clem Kuns from TBird Design Services appeared before the Board to present Winding Creek Section 6 for final approval. The site was located south of County Road 600 North and west of County Road 75 East on approximately 25 acres. He noted a master drainage plan for this area was approved in 1998 by the Board. This Section was the last section of the overall development. The northern boundary of this section adjoined the Coyote Crossing Golf Course. The onsite detention facility was originally designed to accommodate a portion of this section as well. The existing pond outlet would be modified with stormwater quality measures. Part of the northern portion drained uncontrolled to the Cole Ditch after passing through the Coyote Crossing Golf Course. All minor modifications of the existing pond were indicated on the construction plans. Plans called for lowering the existing spillway 2 feet (presently a grassy Berm). Regarding crossing the Golf Course, they were presently looking for wetlands in the area which may need to be accommodated or mitigated. A signed agreement was obtained from the Golf Course owners in order to proceed with the construction and permitting process. The construction plans were reviewed with the Golf Course owners. The exhibit which indicated the exact locations of the proposed crossings was reviewed with them specifically. IDEM and DNR permitting was presently in the process phase. Responding to Mr. Knochel's inquiry, Clem stated safety signs and flotation equipment were proposed for the pond ramp area. However, the ramp was not on the property being developed for this section. Therefore additional safety accommodations were not included in the plans. He noted there were future development plans for a clubhouse close to the area of the pond. After a lengthy discussion with the Board Attorney, the Board concluded additional pond safety requirements would be addressed at the clubhouse project's drainage approval presentation.

A variance regarding the TSS removal rates was requested and he noted several stormwater quality measures for the majority of the site were planned. He asked for approval of the variance and project at that time. Responding to Tom Murtaugh's inquiry, Clem stated the L-shaped outlot indicated on the plans was designed for Utility and Drainage Easements. A mound was proposed to be located there to block the view of the treatment plant. It was noted American Suburban and Indiana American Water both have infrastructure in this area. Tom Lawrence, 8 Grapevine Court West Lafayette 47906- Lot 118 of Winding Creek Subdivision Section 1, appeared before the Board as the Homeowners Association Representative for Winding Creek Subdivision. He stated the clubhouse project was indefinitely delayed until more monies were collected by the Association. Mr. Byers stated pond safety was very important to the Board and it was prudent to address this before construction on the clubhouse was started. The Board would address this at that time. The Surveyor stated while the pond was designed and approved under the 1998 Drainage Ordinance, efforts were made to achieve the current TSS required rate for this section of the project. In addition, he noted a meeting had been held to specifically discuss certain issues of them being the safety and TSS rate. As a result of the meeting, he stated measures taken were sufficient and recommended approval of the variance request. Tom Murtaugh made a motion to grant the variance as requested. John Knochel seconded the motion. Winding Creek Section 6 was granted a Variance to the Stormwater Quality requirement. After confirming safety measures were currently on the plans, Tom Murtaugh made a motion to grant Winding Creel Section 6 final approval with the conditions as stated on the March 9, 2012 Burke memo. John Knochel seconded the motion. Winding Creek Section 6 was granted final approval with conditions as stated on the March 9, 2012 Burke memo.

Reserve at Raineybrook Phase II

Kyle Betz of Fisher and Associates appeared before the Board to present Reserve at Raineybrook Phase II for final approval. The site was located west of the new U.S. 231 South and north of County Road 500 South and consisted of 7.48 acres. Original plans called for 39 units for this phase of the project; however the revised and current plan indicated 30 single family residential units to be located on site. The Overall Raineybrook development was approved by the Board in January March 14, 2012

2001; Phase II was included in the plans submitted at that time. Drainage for this phase of the project was served by two existing outlets. Approximately 1/3 of the project site drained into the southwest corner through a previously constructed drainage outlet and the remaining runoff drained into a natural pond known as Corley Pond. Runoff from this phase eventually discharged to Little Wea Creek. Kyle stated the schematics had not changed from the original drainage plan for the site. No modifications were planned for the natural pond with the exception of the installation of an outlet pipe and the associated materials for its placement. Responding to Mr. Knochel's inquiry, Kyle stated while the developer acknowledged safety concerns, the pond was not located on the developer's property. Kyle stated he felt it was best to discuss signage and safety box issues with the Home Owners Association or the developer of Raineybrook Subdivision. He stated it would be a better benefit to serve all the lots adjacent to the pond and not just the five new lots associated with this phase only. Responding to John Knochel, he stated the Raineybrook development project was presented to the Drainage Board in 1994 and prior to any County Pond Safety Ordinances. The Reserve at Raineybrook development project was included in the Master Drainage Study and then presented to the Board in 2001. The Surveyor stated the uniqueness of this pond was that it was natural and not manmade. Kyle stated due to the natural uniqueness of the pond it was likely the slopes did not follow the present day ordinance standards. The pond was located in a conservation easement- as a wetland covered most of the pond.

The Board Attorney, Dave Luhman, inquired whether the width of the easement at the discharge pipe location into the pond was wide enough for emergency vehicles to access. Kyle confirmed the easement was wide enough for emergency vehicles to access the pond during an emergency. He stated there was common area which a blanket easement covered. Dave Eichelberger noted due to the blanket easement a variance was not required. However, where there was not a building pad indicated on the plans, the blanket easement should be indicated throughout the plans when submitted. Kyle agreed with Mr. Murtaugh in that a mulch trail circled the pond. Mr. Eichelberger suggested the mulch trail should be changed to a hard surface wide enough to accommodate emergency vehicles as well as pedestrian traffic. Kyle noted they were reviewing making a portion of the trail -where the drainage easement crossed -a hard surface and leaving the remaining trail mulch. Mr. Eichelberger stated he did not feel that area alone would be sufficient for vehicle traffic in emergency situations. The Attorney stated this would be an ongoing issue for the Board as developers use ponds existing prior to the Safety Ordinance and with different ownership as outlets. Most ponds existing prior to the Safety Ordinance did not have safety ramps, safety boxes etc. as it was not required when the projects were presented for approval by the Board. In this case the pond was surrounded by existing homes on the east and the south sides which made it difficult to access in an emergency. Emergency vehicles would have no choice but to access this pond from the west side. Requiring a total hard surface on the trail surrounding the pond would accommodate emergency vehicles. Responding to Mr. Betz, Mr. Murtaugh noted the open lots adjacent to the pond was indeed wooded, very steep and would not be suitable for access to the pond. He noted he thought the most northern portion of the pond at the service road location would be the best access area to the pond.

The Surveyor stated precedent had been set on new phases or sections of a project -approved prior to the current Stormwater Ordinance- regarding the current TSS rate requirement. Developers should attempt to reach the required 80% TSS removal rate on all subsequent phases/sections of a previously approved project. Based on the March 9, 2012 Burke memo comments, it appeared there was no attempt to reach the 80% TSS rate (stormwater quality requirement). Therefore, from a technical standpoint he could not recommend the variance be granted. He informed the Board his office did discuss the safety issues surrounding the pond (warning signs, rescue equipment etc.) with Mr. Betz in a meeting prior to the Burke memo stated. The comment Mr. Betz made at that time was "They would take the issue under consideration". It appeared none of the suggestions regarding safety were included in the most recent plans. To do nothing as far as safety concerns because the pond was under different ownership was worrisome and bothersome to him. Therefore he would not recommend the variance as requested to the Board. As the remaining conditions on the memo were minor, he recommended project approval with the conditions as stated on the March 9, 2012 Burke Review Memo. Hearing no motion for the approval of a variance, the request was not approved by the Board. Responding to Mr. Murtaugh' inquiry, Dave Luhman stated the Board could not require safety measures around the natural pond adjacent to the project site. Had the pond been a constructed detention pond owned by the same developer, the Board would have that option. The Board could (although not required) request the developer in a good faith effort volunteer to provide safety signs in adjoining areas of the pond. Mr. Murtaugh asked if the developer would be willing to install safety signs and safety boxes where appropriate on their site. Mr. Greg Milakis developer of the project and present, stated he would be willing to add safety measures such as signs and safety equipment boxes. Due to this agreement, Tom Murtaugh made a motion to grant final approval with the conditions as stated in the March 9, 2012 Burke Review memo. John Knochel seconded the motion. Reserve at Raineybrook Phase II was granted final approval with conditions as stated on the March 9, 2012 Burke memo. The conditions included the agreed addition of safety signs and safety boxes to be located in the common area near the pond and the 5 lot locations which adjoined the pond indicated on the plans.

Zachariah Beasley /Inspection Results: Hawthorne Ridge Subdivision

The Surveyor noted the Homeowner Assoc. President for Hawthorne Ridge Subdivision and a couple landowners appeared before the Board in January 2012. They discussed several drainage concerns they had within the subdivision regarding what they felt was drainage from adjoin tracts. He noted his office made a site visit to the areas of concern. He gave a power point presentation to the Board of the inspection. He stated, the developer of St. Andrews Church reminded him at the 2006 Drainage Board Meeting it was a condition of approval the developer walk the downstream conveyance system and take photographs of the current condition before the church was built. Dale Snipes Stormwater Coordinator within the Surveyor's office walked the downstream conveyance area as was done before the church was constructed. The power point presentation included the developer's 2006 photographs with the 2012 photographs taken by Mr. Snipe's inspection. The photographs were taken roughly every 500 feet and stopped at County Road 500 North. He noted the photos indicated the channel itself was still relatively straight. He informed the Homeowners Association debris from yards such as yard clippings, brush etc. should be removed from side slopes of the ditch. The debris kills vegetation which would cause erosion to the ditch at a faster rate. Noticeable erosion occurred during this time at the manhole location. However this amount of erosion was not uncommon as the time frame between photographs was 6 years. He noted a landowner had armored the bank with rip rap which was a good practice. At the private bridge location (Martins Blueberry Patch site) there appeared to be silt built up since the 2006 photographs were taken. This had caused some obstruction of the stream's flow. Responding to Mr. Byers' inquiry, the Surveyor noted this was a private stream/creek therefore his office could not maintain it. D.N.R. would allow a private landowner with a required permit to remove the built up silt. He concluded the presentation by stating based on the 2006 current condition photographs and present day photographs; it did not appear a substantial problem was created by the St. Andrews Church project. The stream looked no different than any other stream in the county would during a 6 year time frame. With the armoring of the ditch in some locations using rip rap it actually was in better shape than a lot of private ditches within the county. He stated did not feel St. Andrews Church project have caused a negative impact on this subdivision drainage. The Church was built as designed and approved by the Board in 2006. Regarding the homeowners specific concerns he stated the orifice plate and aqua swirl were in place as designed. The Surveyor noted this was a large watershed area as there was approximately 700-800 acres if not more. He informed the landowners the Revised Stormwater Quality Ordinance was revised this year (Jan. 2012) to control the more frequent storm events and was confident it would assist in the drainage of future developments.

Zachariah Beasley/Petitions

The Surveyor presented four Petitions to Encroach submitted by Duke Energy regarding their Line Relocation project. The project started roughly around the Town of Concord south of Lafayette and extending south of Tippecanoe County into Montgomery County crossing 4 regulated drain locations involving 3 regulated drains, with one drain being encroached in two areas. The following drains were being encroached upon: Frank Kirkpatrick (2 Locations), Train Coe and Romney Stock Farm Regulated Drains. The Surveyor noted his office met the Duke Representatives on site and the tile locations were marked for them. Duke Energy was very cooperative in this process. The Surveyor recommended approval for the Encroachment Petitions as submitted. Tom Murtaugh made a motion to grant approval for the Duke Energy Line Relocation project's Petitions to Encroach on the Frank Kirkpatrick, Train Coe and Romney Stock Farm Regulated Drains. John Knochel seconded the motion. The Petitions to Encroach on the Frank Kirkpatrick, Train Coe and Romney Stock Farm Regulated Drains were approved as submitted.

The Surveyor presented a Petition to Encroach on the S.W. Elliott Regulated Drain #100 Branch #14 submitted by TBird Design Svc. for the Warehouse of Lafayette project. The location was east of Concord Road and south of Brady Lane. The Surveyor recommended approval of the petition as submitted. Tom Murtaugh made a motion to grant approval for the Warehouse of Lafayette Petition to Encroach on the S.W. Elliott #100 Branch #14 Regulated Drain. John Knochel seconded the motion. The Petition to Encroach on the S.W. Elliott #100 Branch #14 Regulated Drain submitted by TBIRD Design Svc. Regarding the Warehouse of Lafayette project was approved as submitted.

Zachariah Beasley/ BONDS

The Surveyor presented Performance Bond #B-0353260 for the Tippecanoe County Indoor Soccer Facility in the amount of \$85,700 and submitted by JBD Builders for approval by the Board. Tom Murtaugh made a motion to approve Performance Bond # B-0353260 for the Tippecanoe County Indoor Soccer Facility in the amount of \$85,700 and submitted by JBD Builders. John Knochel seconded the motion. Performance Bond # B-0353260 for the Tippecanoe County Indoor Soccer Facility was approved as submitted. Performance Bond #105534123 for the Duke Energy Line Relocation Project in the amount of \$20,000 was submitted by Duke Energy for approval by the Board. Tom Murtaugh made a motion to approve Performance Bond #105534123 for the Duke Energy Line Relocation Project in the amount of \$20,000 submitted by Duke Energy. John Knochel seconded the motion. Performance Bond #105534123 for the Duke Energy Line Relocation Project in the amount of \$20,000 and submitted by Duke Energy was approved by the Board. Maintenance Bond #105717687 for the

Harrison High School project in the amount of \$21,000.00 and submitted by MacDougal & Pierce. Tom Murtaugh made a motion to grant approval for the Maintenance Bond #105717687 for the Harrison High School project in the amount of \$21,000.00 and submitted by MacDougal & Pierce. John Knochel seconded the motion. Maintenance Bond #105717687 for the Harrison High School project in the amount of \$21,000.00 and submitted by MacDougal & Pierce was approved as submitted. Maintenance Bond #105717693 for Huntington Farms Section 4 in the amount of \$5055.10 and submitted by Fairfield Contractors for approval by the Board. Tom Murtaugh made a motion to grant approval of Maintenance Bond #105717693 for Huntington Farms Section 4 in the amount of \$5055.10 and submitted by Fairfield Contractors. John Knochel seconded the motion. Maintenance Bond #105717693 for Huntington Farms Section 4 in the amount of \$5055.10 and submitted by Fairfield Contractors was approved by the Board.

Regulated Drain Updates

Responding to Mr. Knochel's request, the Surveyor stated he would be willing to continue the status update on the following drains. Moses Baker #113, John Blickenstaff #11, John Saltzman #70 /2 Stage Ditch Regulated Drains. As there were no landowners present to comment regarding the drains, the aforementioned drain updates were continued to the April 4, 2012 meeting as requested.

John Hengst Regulated Drain #117 Amended Findings and Order

The Attorney noted after review of the Findings and Order from the March meeting regarding the John Hengst #117 Regulated Drain Reconstruction, there were two typographical errors that need to be corrected. Those changes were the total watershed acreage amount (492.085 acres) and the amount of reconstruction assessment (\$150.00) due from Kopf Jerry W Patricia W State Key #79-08-23-300-004.000-009/ Previous Parcel #112-02300-0199. Therefore he read the Amended Findings and Order into the record as follows:

BEFORE THE TIPPECANOE COUNTY DRAINAGE BOARD- IN THE MATTER OF THE JOHN L. HENGST DRAIN #117:
FINDINGS AND ORDER FOR RECONSTRUCTION AND ANNUAL MAINTENANCE AMENDED

This matter came to be heard upon the reconstruction report and schedule of assessments prepared by the Tippecanoe County Surveyor and filed on July 15, 2011 and **amended on March 13, 2012**. Certificate of mailing with notice of time and place of original hearing to all affected landowners was filed. Notice of publication of time and place of hearing in the Lafayette Journal & Courier, Lafayette Leader were filed. Remonstrances were filed. Evidence was presented by the Tippecanoe County Surveyor and landowners affected were present at original hearing date and time. A list of those present is filed herewith. After consideration of all the evidence, the Board does now FIND THAT:

- (1) The reconstruction report of the Tippecanoe County Surveyor and schedule of assessments were filed in the office of the Surveyor on April 18, 2011.
- (2) The Petition for Establishment of the John L. Hengst Drain as a regulated drain was filed November 30, 2010 and thereafter referred to the Tippecanoe County Surveyor for a report.
- (3) Notice of filing of the reconstruction report and the schedule of assessments and their availability for inspection and the time and place of this hearing was mailed to all those landowners affected more than thirty (30) and less than forty (40) days before the date of this hearing.
- (4) Notice of the time and place of this hearing was given by publication in the Journal & Courier and The Lafayette Leader newspapers of general circulation in Tippecanoe County, Lafayette Indiana more than ten (10) days prior to this hearing.
- (5) The legal drain consists of 200.00 feet of open ditch.
- (6) The legal drain consists of 9100 lineal feet of main tile and 2815 lineal feet of branch tile.
- (7) The present condition of the ditch is poor and in need of repair.
- (8) The ditch needs the following maintenance at present:
Replace 2800 lineal feet of 18"(inch) tile and clearing.
- (9) There is now \$2626.16 owed to the General Drain Fund for past maintenance on this ditch.
- (10) **The total watershed acres was amended on March 13, 2012 by the Tippecanoe County Drainage Board to correct a clerical error only and reflect the true and correct amount of 492.085 acres of which the ditch drains.**
- (11) Estimated annual benefits to the land drained exceed repairs and maintenance costs and consists of general tile replacement.
- (12) A fund for annual maintenance should be established.
- (13) In order to provide the necessary maintenance fund, a reconstruction assessment of \$26.00 per Acre and a \$150.00 minimum over a five year period is recommended. This will generate \$12,832.50 per year and a total of \$64,164.00 over a five year period. Assuming the reconstruction and improvements are complete and the General Drain Fund has been repaid after the five year period,

the Tippecanoe County Surveyor recommends the per acre assessment be lowered to a maintenance rate of \$12.00 per acre with a \$75.00 minimum.

(14) The assessment list filed herewith was amended to reflect the true and correct schedule of payment for the following landowner: Kopf Jerry W Patricia W State Key #79-08-23-300-004.000-009/ Previous Parcel #112-02300-0199. The amended schedule of assessment was due to clerical error on this parcel only.

(15) The amended assessment list filed herewith is fair and equitable and should be adopted.

(16) The amended assessment should be collected starting with the **May 2012** taxes.

NOW, THEREFORE, IT IS ORDERED THAT:

- (1) The John L. Hengst is a Regulated Drain under the provisions of Indiana Code 36-9-27, et seq.
- (2) In order to provide the necessary maintenance fund, a reconstruction assessment of \$26.00 per acre and a \$150.00 minimum over a five year period is recommended. This will generate **\$14,026.18** per year and a total of **\$70,130.90** over a five year period. Assuming the reconstruction and improvements are complete and the General Drain Fund has been repaid after the five year period, the Tippecanoe County Surveyor recommends the per acre assessment be lowered to a maintenance rate of \$12.00 per acre with a \$75.00 minimum.
- (3) The **March 13, 2012 Amended Schedule of Assessments** filed herewith is adopted and made a part thereof.
- (4) The first annual assessment shall be collected with the **May 2012** taxes.

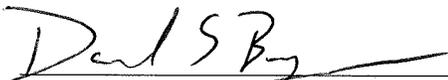
DATED at Lafayette, Indiana this **13th day of March 2012**. Tippecanoe County Drainage Board signature lines and attested by the Secretary. Tom Murtaugh made a motion to approve the Amended Findings and Order on the John Hengst #117 Regulated Drain as presented by the Attorney. John Knochel seconded the motion. The Amended John Hengst #117 Regulated Drain Findings and Order was approved as presented.

Hearings

The Surveyor requested a reconstruction hearing date for the Combs Ditch located in Perry Township. His office received a Petition to Reconstruct for this ditch. Tom Murtaugh made a motion to schedule May 4, 2012 for a reconstruction hearing regarding the Combs Ditch to immediately follow the regular scheduled Drainage Board meeting on that date. John Knochel seconded the motion. May 4, 2012 immediately following the regular scheduled meeting, the Combs Ditch Reconstruction Hearing was scheduled.

Public Comment

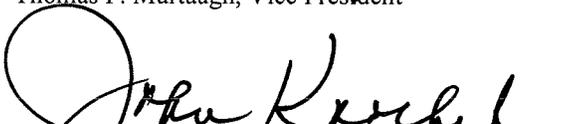
As there was no public comment, Tom Murtaugh made a motion to adjourn. The meeting was adjourned.



David S. Byers, President



Thomas P. Murtaugh, Vice President



John Knochel, Member



Brenda Garrison, Secretary

Tippecanoe County Drainage Board
February 5, 2014
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President David S. Byers, Vice President John Knochel, member Thomas P. Murtaugh, County Surveyor Zachariah Beasley, Drainage Board Attorney Dave Luhman, Drainage Board Secretary Brenda Garrison and Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering LLC. James Butcher, County Surveyor's Office Project Manager and Evan Warner County Surveyor's office G.I.S. Technician were also in attendance.

Approval of Minutes

John Knochel made a motion to approve the January 8, 2014 regular minutes as written. Thomas Murtaugh seconded the motion. The January 8, 2014 regular meeting minutes was approved as written.

Annual Tile Bids

The Board Attorney stated there were three submissions for the Annual Tile Bids Requested by the Surveyor's Office for the Board. The first submission was received from Advanced Drainage Systems. The total amount was \$8,067.21. The second submission was received from Baughman Tile Company. The submitted bid did not include a total amount therefore the Attorney read the amounts as follows: 10" Poly Smooth-Line Dual Wall w/Bell Solid Perf-\$3.75, 12" as same-\$4.38, 15" as same-\$5.58, 18" as same-\$8.53, 24" as same-\$13.86, 30" as same-\$21.49, 36" as same-\$26.10, 42" as same-\$37.94, 48" Poly Smooth-Line Dual Wall w/Bell Solid Perf -\$45.83, 10" Smooth Tee-\$43.81, 12" as same--\$58.82, 15" as same-\$82.54, 18" as same-\$122.49, 24" as same-\$178.60, 30" as same-\$289.41, 36" as same-\$444.41, 42" as same \$643.12, 48" Smooth Tee-\$753.31, 10" Outside/Split Coupling Band- 10"- \$4.59, 12" as same-\$5.83, 15" as same \$10.00, 18" as same-\$14.05, 24" as same- \$24.53, 30" Outside/Split Coupling-\$39.56, 36" Mar-Mac Coupling Band- \$117.00, 42" as same-\$125.00, 48' Mar-Mac Coupling Band-\$135.00. The final submission was from CPI Supply. The submitted bid did not include a total amount the Attorney read the amounts as follows: Corrugated Dual Wall Poly Pipe prices as follows: 10" -\$4.46, 12" -\$5.26, 15" - \$6.95, 18" -\$9.46, 24" -\$15.72, 30" -\$23.77, 36" -\$30.60, 42" -\$44.69, 48" -\$48.38, 60" - \$99.66. Prices for Pre-Manufactured HDPE Poly Tees as follows: 10"-\$63.44, 12"-\$101.54, 15"-\$142.87, 18"-\$206.28, 24"-\$249.02, 30"-\$517.63, 36"- \$630.63, 42"- \$1,057.03, 48"- \$1,325.25. Tees requiring couplers were priced as follows: 10"- \$5.89, 12"- \$7.31, 15"- \$14.05, 18"- \$27.27, 24"- \$33.79, 30"- \$62.23, 36"- \$141.39, 42"- \$204.78, 48"- \$293.32. 1-1/2"x 1/4" Spiral Corrugated Pipe prices as follows: *Galvanized Pipe*: 6" 18 Gage-\$5.85, 8" 16 Gage-\$9.03, 10" 16 Gage-\$9.91, *Aluminized Pipe* : 6" 16 Gage-\$8.99, 8" 16 Gage-\$11.83, 10" 16 Gage-\$14.88, *Asphalt Coated Pipe*: 6" 16 Gage-\$11.31, 8" 16 Gage-\$14.98, 10" 16 Gage-\$18.78. *Aluminum*: 6" 16 Gage-\$9.23, 8" 16 Gage-\$12.61, 10" 16 Gage-\$16.66. *Notes: Standard connecting bands are priced as two (2) feet of pipe.* The Attorney noted a round and arch pipe standard price list was also submitted with the bid. Responding to President Byer's inquiry, the attorney stated the Board may accept all three bids for review at this time. John Knochel made a motion to accept the bids as submitted for review. Thomas Murtaugh seconded the motion. The bids would be reviewed by the County Surveyor's Office Project Manager. There was no public comment. To be continued to the end of today's meeting.

2014 Legal Services Contract/Hoffman Luhman Masson PC

John Knochel made a motion to accept the 2014 Contract for Legal Services with Hoffman, Luhman and Masson PC. Thomas Murtaugh seconded the motion. The 2014 Hoffman Luhman Masson PC Legal Service Contract with the Tippecanoe County Drainage Board was accepted as presented. There was no public comment.

Berlowitz Detention Pond #3 Final Design Professional Services Contract/Christopher B. Burke Engineering LLC

The Surveyor presented the Berlowitz Pond #3 Final Design Professional Services Contract with Christopher B. Burke Engineering LLC for approval by the Board. He stated he had reviewed the contract and recommended approval by the Board. There was no public comment.

John Knochel made a motion to approval the contract as presented by the Surveyor to the Board. Thomas Murtaugh seconded the motion. The Berlowitz Pond #3 Final Design Professional Services Contract with Christopher B. Burke Engineering LLC was approved by the Board.

Beck Property

Todd Starr of Starr and Associates appeared before the Board to present Beck Property to the Board. The site was located on the west side of Co. Rd. 775 East north of State Road 26 and consisted of approximately 3.6 acres. Two new buildings were proposed with the project as well as removing the existing old concrete foundations and pads. Notifications to downstream

landowners were sent and documentation was presented to the Secretary for the project file record. The runoff discharges from northeast corner of the site along the west property line along the southern portion in existing drainage patterns. Due to no net increase in flow, a variance to Chapter 8 of the Stormwater Quality Ordinance regarding Stormwater Treatment (for projects less than 3 acres) was requested. As existing drainage patterns would be utilized and there were no practical locations on site for post-construction BMP measures, the aforementioned variance was requested for the project.

Responding to Thomas Murtaugh's inquiry, Mr. Starr stated the septic mound areas known as lagoons were currently a vegetative area and for this project treated as impervious areas. He stated further at this time they are not noticeable as over time vegetation has grown and the areas are not detectable. The owners would have to get septic approval when they apply as an office area is planned onsite. Ron Noles was aware of the plans and was willing to work with the owners on this issue. Responding to the Surveyor Mr. Starr provided the Secretary with downstream owner notifications required by Ordinance. The Surveyor stated his office recommended the variance as requested. There was no public comment.

John Knochel made a motion to grant a variance as requested. Thomas Murtaugh seconded the variance. A variance to Chapter 8 of the Stormwater Ordinance was approved as requested. The Surveyor stated they had reviewed the project and recommended approval with the conditions as stated on the January 17, 2014 Burke memo. John Knochel made a motion to approve Beck Property with the conditions as stated on the January 17, 2014 Burke memo. Thomas Murtaugh seconded the motion. Beck Property was approved with the conditions as stated on the January 17, 2014 Burke Memo.

Legado Development Phase 1

Clem Kuns from TBird Design appeared before the Board to present the Legado Development Phase 1 project for approval. The site was located southwest of Conservation Club Road on the northwest side of Schuyler Avenue and consisted of approximately 11.5 acres. Springvale Cemetery was located on the west side of the proposed development. He stated a Master Drainage Plan which included the future expansions of the site was proposed. The adjoining properties' drainage - the tire site and the Cemetery - was also taken into consideration with this plan. A large detention basin constructed onsite would act as an infiltration system for the project site as well as the adjoining property aforementioned. A new entrance to Schuyler Avenue was planned removing the current entrances to the site at present. He requested approval from the Board. The Surveyor asked for clarification of the phasing of the site. Clem stated this initial phase included a 6,000 square feet commercial building and 12,000 square feet engineering research building and associated parking and drives. This current phase also included the detention basin (pond). Commercial and indoor sports facility buildings for future phases along with parking and drives were anticipated in the near future and would also require Board approval. A master plan for the entire area was completed so that the future site plan approvals would adhere to the master plan presented today. The Surveyor noted soil testing, perk results, etc. had been completed and submitted for review. The Surveyor pointed out the detention basin would capture all the rain events for the area up to and including the 100 year. With the basin's design, the drainage of the Cemetery would improve immensely as this site's runoff would no longer drain onto the Cemetery tract during high-frequency rainfall events. However, if we get a 6-8 inch rainfall within 24 hours the pond would overflow and run onto the tract and follow the same current path. He noted if the pond was at a 100 year capacity, the area's flood plain would have water in it as well. The Surveyor recommended approval with the conditions as stated on the January 30, 2014 Burke memo. There was no public comment.

John Knochel made a motion to grant approval for Legado Development Phase 1 with the conditions as stated on the January 30, 2014 Burke memo. Thomas Murtaugh seconded the motion. Legado Development Phase 1 was approved with the conditions as stated on the January 30, 2014 Burke memo.

Burnett Creek Elementary- Additions and Renovations

Pat Jarboe from TBIRD Design appeared before the Board and presented the Burnett Creek Elementary Additions and Renovations project for approval. The site was located on the west side of Co. Rd. 50 West south of Co. Rd. 600 North and Additions were planned on the north and south side of the existing building. He noted the approved drainage analysis was completed in 1997 with a beat the peak methodology. This method was not incorporated in the current Stormwater Ordinance. He noted beat the peak methodology did not go well with stormwater storage however both analysis were met. This resulted in a reduction of the overall release rate outletting into the County Regulated Cole Ditch and ultimately outletting into Burnett Creek. Due to the fact the developer utilizes a stormwater mgmt. plan that incorporated stormwater detention which lowered peak discharge and keeping the "Beat the Peak" methodology, Mr. Jarboe requested a variance from the current Stormwater Ordinance. He then requested a variance and approval noting the developer was in agreement with the conditions as stated on the January 29, 2014 Burke memo. The Surveyor recommended approval of the Variance and noted the "Beat the Peak" methodology was used in the previous approvals for this project site. He stated his office recommended the variance as well as approval with the conditions as stated on the January 29, 2014 Burke memo. There was no public comment.

John Knochel made a motion to grant a variance to the Stormwater Ordinance as requested. Thomas Murtaugh seconded the motion. John Knochel made a motion to grant approval with the conditions as stated on the January 29, 2014 Burke memo. Thomas Murtaugh seconded the motion. Burnett Creek Elementary School Additions and Renovations was granted a variance as well as approval with the conditions stated on the January 29, 2014 Burke memo.

Zach Beasley

Waiver Request/White County Drainage Board

The Surveyor presented a waiver request from the White County Drainage Board regarding a maintenance project for the J.C. Vannatta Branch #03 of the Joint Emmet Rayman Regulated Drain for approval. He stated as a Bi-County Drain between White County and Tippecanoe County the larger amount of acreage within the watershed is located within White County therefore White County is in charge of the administration of the drain. He spoke with the White County Surveyor concerning the maintenance project. The request was a courtesy to the Board as a Landowner Hearing was not required for completion of the project. He spoke with one landowner Mr. Haan and noted the project was located on two properties within White County. With that being said, he recommended the Board grant the waiver as requested by White County Drainage Board. The White County Surveyor Office stated they would provide this County with pertinent information of the project for our record. There was no public comment.

John Knochel made a motion to grant the waiver request to White County as requested by White County Drainage Board. Thomas Murtaugh seconded the motion. The waiver for a Joint Drainage Board regarding the maintenance project of the J.C. Vannatta Branch #03 of the Emmet Rayman Regulated Joint Drain was granted as requested. The Secretary would notify White County of the approval for the Waiver.

Bonds

The Surveyor presented Maintenance Bond #1028326 written by Hanover Insurance and submitted by Atlas Excavating for Winding Creek Section 5 in the amount of \$16,428.90 for acceptance by the Board. John Knochel made a motion to accept the Maintenance Bond #1028326 written by Hanover Insurance and submitted by Atlas Excavating for Winding Creek Section 5 in the amount of \$16,428.90. Thomas Murtaugh seconded the motion. Maintenance Bond #1028326 written by Hanover Insurance and submitted by Atlas Excavating for Winding Creek Section 5 in the amount of \$16,428.90 was accepted by the Board as presented by the Surveyor.

2014 Regulated Drain Classification /Status Report

The Surveyor presented his 2014 Regulated Drain Classification /Status Report for approval. He noted Indiana Code stated "from time to time" a classification report of the County Maintained Regulated Drains would be presented to a Drainage Board by a County Surveyor. He noted while he submitted this report yearly it was not required by Code to do so. He reminded the Board the report included information regarding drains in need of reconstruction, those submitted for a one-time rate increase (25% allowed by Code) or proposed drains in need of a landowner hearing, a list of urban drains as well as a list of drains to be vacated if any.

John Knochel made a motion to accept and approve the 2014 Classification Report with the 2014 Regulated Drain Status List. Thomas Murtaugh seconded the motion. The 2014 Regulated Drain Classification /Status Report were approved by the Board. (The secretary would submit to the Auditor for 2014 collection of regulated drain assessments as the list reflects.)

Frank Kirkpatrick #45 and Elijah Fugate #30 Joint Regulated Drain Reconstructions

The Surveyor requested the Board schedule a Regulated Drain Landowner Hearing on May 7, 2014 immediately following the scheduled monthly meeting. He clarified the need for two separate hearings- one for each drain as stated. He informed the Board his office had sent a Waiver Request to Montgomery County regarding waiving their right to a joint drain board. He felt since there was very little acreage in Montgomery County they would adhere to the request.

John Knochel made a motion to hold a Reconstruction Hearing on the Frank Kirkpatrick #45 Regulated Drain Reconstruction on May 7, 2014 and immediately following the scheduled 10:00 a.m. meeting of the Board. Thomas Murtaugh seconded the motion. Frank Kirkpatrick #45 Regulated Drain Reconstruction Hearing was set for May 7, 2014 immediately following the regular monthly meeting of the Board. John Knochel then made a motion to hold a Reconstruction Hearing on the Elijah Fugate #30 Regulated Drain on May 7, 2014 and immediately following the scheduled Frank Kirkpatrick Regulated Drain Reconstruction Hearing. Thomas Murtaugh seconded the motion. Elijah Fugate #30 Regulated Drain Reconstruction Hearing was set for May 7, 2014 immediately following the scheduled Frank Kirkpatrick #45 Reconstruction Hearing on same date.

Other Business

Mary McKinney Regulated Drain #52 Update

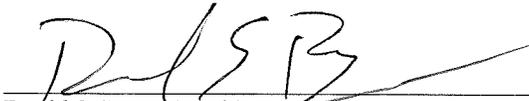
The Surveyor informed the Board his office sent 2 Waiver requests; one to Warren and one to Benton County Drainage Boards regarding waving their right to a Joint Drainage Board Hearing for the Mary McKinney#52 Regulated Drain Reconstruction planned project. Benton County waived their right to the joint board however Warren County did not. Since Warren County did not agree to the waiver a joint board was in order. Tom Hetrick Warren County Drainage Board President was elected to serve on the Joint Drainage Board for the landowner hearing of the Mary McKinney#52 Regulated Drain Reconstruction. He noted a member was also appointed from White County Drainage Board for Benton County. The member was Steve Burton, currently White County Drainage Board President. A Board member from Tippecanoe County was required for the Joint Board. He recommended a member be appointed to the Joint Board as required from Tippecanoe County Drainage Board as required. John Knochel made a motion to appoint Thomas Murtaugh. Thomas Murtaugh stated he would not be available that day. Thomas Murtaugh then made a motion to nominate David Byers to serve on the Joint Board for the Mary McKinney Regulated Drain #52. John Knochel seconded the motion. David Byers was elected to serve on the Tri-County Joint Board at the March 5, 2014 Mary McKinney #52 Regulated Drain Reconstruction Hearing. There was no public comment.

Continued /ANNUAL TILE BIDS

John Knochel made a motion to accept the annual tile bids which were submitted to the Board for acceptance. Thomas Murtaugh seconded the motion. There was no public comment. The Annual Tile Bids submitted were accepted as submitted by the Board.

Public Comment

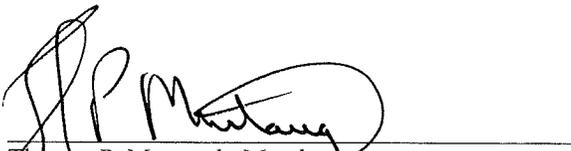
As there was no public comment, John Knochel made a motion to adjourn. The meeting was adjourned.



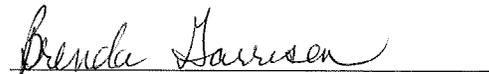
David S. Byers, President



John Knochel, Vice President



Thomas P. Murtaugh, Member



Brenda Garrison, Secretary

Tippecanoe County Drainage Board
April 2, 2014
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President David S. Byers, Vice President John Knochel, 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. Project Manager James Butcher and G.I.S. Technician Evan Warner were also in attendance. Member Thomas P. Murtaugh and Attorney David Luhman were absent.

Approval of Minutes

John Knochel made a motion to approve the March 5, 2014 regular minutes as written. David Byer seconded the motion. The March 5, 2014 regular meeting minutes were approved as written.

Faith Ministries Senior Housing

Jim Pence from Schneider Corp. appeared before the Board to present Faith Ministries Senior Housing. The approximate 2.0 acre project site was located on the northeast corner of State Road 26 and County Road 550 East and the north side of the existing drainage basin. This project would be the first phase of an overall design associated with the 2013 Master Drainage Plan. Mr. Pence noted the Master Drainage Plan had received conditional approval in 2013 by the Board and was followed during development of this project. Pond #5 would be constructed in compliance with the Revised Stormwater Ordinance as the existing pond would not handle the additional runoff. Pond #5 would be located east of the existing pond and would handle the water quality and quantity for the entire 43 acre campus to the west. Mr. Pence stated a total of nine buildings would be constructed - eight of which would be for Senior Housing and one for a Community Building. He stated they agreed with the comments made on the March 21, 2014 Burke memo and requested approval at that time. The Surveyor stated he recommended final approval with the conditions as stated on the March 21, 2014 Burke memo. Responding to President Byer's safety inquiry, Mr. Pence stated there was life safety stations placed around the existing pond; however it is not required by Ordinance for dry bottom ponds. He stated the Master Plan model was being revised and would be submitted to the Surveyor's office and to Christopher B. Burke Engineering for the record once completed.

President Byers asked for public comment. There was none. John Knochel made a motion to grant approval with the conditions as stated on the March 21, 2014 Burke memo. David Byers seconded the motion. Faith Ministries Senior Housing was granted approval with the conditions as stated on the March 21, 2014 Burke memo.

Zach Beasley/Other Business:

Petitions

The Surveyor presented a Petition to Encroach on Hadley lake #104 Regulated drain submitted by American Suburban Utilities for the Los Tres Grandes project. (American Suburban Utilities Sanitary Pipe Installation) He stated he recommended approval by the Board. John Knochel made a motion to approve the Petition to Encroach on the Hadley Lake Drain #104 submitted by American Suburban Utilities. David Byers seconded the motion. The Petition to Encroach on the Hadley Lake #104 Regulated Drain was granted approval by the Board. The Surveyor presented a Petition to Encroach on the Grant Cole #19 Regulated Drain and the Simeon Yeager #89 Regulated Drain submitted by American Suburban Utilities regarding the Los Tres Grandes project. (American Suburban Utilities Sanitary Pipe Installation) as well. John Knochel made a motion to grant approval for the Petition to Encroach on the Grant Cole #19 Regulated Drain and the Simeon Yeager #89 Regulated Drain submitted by American Suburban Utilities regarding the Los Tres Grandes project. David Byers seconded the motion. The Petitions to Encroach on the Hadley Lake #104 Regulated Drain, Grant Cole #19 Regulated Drain and the Simeon Yeager #89 Regulated Drain submitted by American Suburban Utilities regarding the Los Tres Grandes project (American Suburban Utilities Sanitary Pipe Installation) were granted approval by the Board. The Surveyor noted the route of this project as follows: with the removal of three lift stations, the route would be from Tippecanoe County Villas on Salisbury Road- West along Co. Rd. 500, cross Yeager Road and run along Hadley Lake #104 Open Ditch over to Morehouse Rd. underneath the pipes which drain Hadley Lake #104 Regulated Drain.

Letters of Credit

The Surveyor presented Letter of Credit #50600-22 for Winding Creek Section 5 Subdivision and written by Lafayette Community Bank in the amount of \$5000.00 submitted by Timberstone Development for approval. John Knochel made a motion to grant approval Letter of Credit #50600-22 for Winding Creek Section 5 Subdivision and written by Lafayette Community Bank in the amount of \$5000.00 submitted by Timberstone Development. David Byers seconded the motion. The Surveyor presented Letter of Credit #50600-20 for Blackthorne Phase 2 Subdivision and written by Lafayette Community Bank in the amount of \$50,000.00 submitted by Timberstone Development for approval. John Knochel made a motion to grant approval of the Letter of Credit #50600-20 for Blackthorne Phase 2 Subdivision and written by Lafayette Community Bank in the amount of \$50,000.00 submitted by Timberstone Development. David Byers seconded the motion. Letter of Credit #50600-22 for Winding Creek Section 5 Subdivision written by Lafayette Community Bank in the amount of \$5000.00 and Letter of Credit #50600-22 for Winding Creek Section 5 Subdivision written by Lafayette Community Bank in the amount of \$5000.00 and submitted by Timberstone Development were approved by the Board as requested.

Waivers

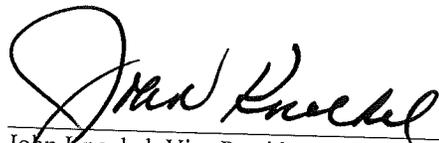
The Surveyor stated his office received a letter from the Montgomery County Drainage Board regarding a waiver of their rights to a Joint Drainage Board for the upcoming Frank Kirkpatrick #45 and Elijah Fugate #30 Regulated Drains Reconstruction Hearing. He stated they chose to waive their rights to a Joint Board and allow Tippecanoe County Drainage Board to administer the Public Hearings proceedings for the reconstruction of aforementioned drains.

Public Comment

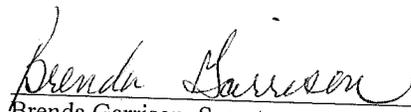
President Byers asked for Public Comment. There was none. John Knochel made a motion to adjourn. The meeting was adjourned.



David S. Byers, President



John Knochel, Vice President



Brenda Garrison, Secretary



Thomas P. Murtaugh, Member

Tippecanoe County Drainage Board

June 4, 2014

Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President David S. Byers, Vice President John Knochel, member Thomas P. Murtaugh, County Surveyor Zachariah Beasley, Drainage Board Attorney Dave Luhman, Drainage Board Secretary Brenda Garrison and Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering LLC. Project Manager James Butcher and GIS Technician Evan Warner were also in attendance.

Approval of Minutes

Tom Murtaugh made a motion to approve the May 5, 2014 Drainage Board Regular Meeting minutes as written. John Knochel seconded the motion. Tom Murtaugh made a motion to approve the May 5, 2014 Frank Kirkpatrick #45 and May 5, 2014 Elijah Fugate #30 Drainage Board Landowner Hearing minutes as written. John Knochel seconded the motion. The May 5, 2014 regular Meeting minutes and the May 5, 2014 #45 F. Kirkpatrick Drain and #30 E. Fugate Drain Drainage Board Landowner Hearing minutes were approved as written.

Rogers Group Bosma Quarry Site

Pat Jarboe of TBird Design Services appeared before the Board to present the Rogers Group Bosma Quarry site for approval. The project site was located on the north side of Old State Road 25 at the intersection of County Road 800 North and consisted of approximately 133 acres. Mr. Jarboe introduced accompanying attendees as Eric Hart-TBird Design, Rogers Group representatives: Andy Williams and Dan Medlock along with the Attorneys Andy Gutwein and Christopher Shelmon. Mr. Jarboe supplied the Board with exhibits of the site. He stated the pit location was located inside the floodplain area and closer to Old State Road 25 the processing area was planned. He stated this was a fairly straightforward site and they had met the ordinance regarding stormwater runoff. However, they were requesting 3 variances regarding Channel Protection Volume, Water Quality Volume and the required number of BMP structures for the project. While the project plan met the intent of the ordinance, there were site specific perimeters which did not meet the exact technical requirements of the ordinance. He noted these were listed in the May 28, 2014 Burke Review Memo. He stated they agreed with conditions as stated on the memo and noted the requested variances were recommended within the review memo as well. At that time he requested approval from the Board. The Surveyor requested a representative from the Rogers Group speak on the required Rule 12 for the project. Dan Medlock Director of Environmental Services of the Rogers Group approached the Board to discuss the Rule as requested. He stated Rule 6 was applied for and granted by IDEM (Indiana Dept. of Environmental Mgmt.) regarding the construction phase of the operation. He stated the Rogers Group then opted to request coverage from IDEM under Rule 12 with the Notice of Intent submitted to them. He stated they will keep the approval for Rule 12 dormant until the dewatering process began and at which time it would then be made active with IDEM. Rule 12 covers the Industrial discharges associated with Quarry Operations. The industrial discharges associated with this project involved the pit dewatering. Rule 12 would grant the right to discharge the groundwater that infiltrates behind the slurry wall or accumulates within the pit to the Wabash River. That is the main difference between IDEM's Rule 6 and Rule 12. Responding to Mr. Murtaugh, Mr. Medlock stated they had not submitted the NOI to IDEM for the Rule 12 approval. He noted as it was a general permit and it was only a formality in the matter of IDEM processing the Rule 12 NOI and issuing the permit. The Surveyor stated a thorough review had been completed and noted the IDEM approval of Rule 6 and Rule 12 must be in his office prior to the start of any operations. He stated he recommended approval with the conditions as stated on the May 28, 2014 Burke memo to include the submittal of the IDEM Rule 6 and Rule 12 permits to his office for the official record. Mr. Murtaugh requested explanation of Item #3 statement as follows: The applicant is requesting a variance to allow the stormwater quality units to be constructed in-line instead of off-line. The Surveyor stated basically there are different types of units that are made. The Ordinance specifically requires off-line structures. A structure must be constructed off line of the pipe not in line with it. Technology changes faster than the Ordinance and there are newer units which function on line and capture unwanted components as is the intent of the ordinance for stormwater quality purposes. Engineer Consultant Dave Eichelberger stated basically the requirement in the ordinance is so that one does not resuspend the material as it is discharged. The first structure is a diversion structure to divert the low flow into the unit to treat it then the larger flows would bypass that and continue on down. The developer has a unit designed to lessen the chances of resuspension by placing the sediment in a separate chamber within the structure. Also this would be the second treatment as it would flow into the pond first then into the unit with a controlled release. He stated due to this it justified recommending approval of the variance

request of the required number of BMP structures. There were no other inquiries from the Board. The President opened the floor for comments regarding the project's drainage only. He stated he would limit the comments to 3 minutes per person. Landowner Allen Hoffman approached the Board and stated he was prepared to give a short 11 minute presentation and was not aware of the limits for speaking. He noted he had attended many meetings on this subject and there was never a limit set at any of those meetings. John Knochel interjected he would allow the 11 minute presentation to the Board. Allen Hoffman stated he would have made his presentation shorter had he been aware of the time limit. As Mr. Hoffman gave his presentation he stated as follows:

Quote "Good Morning- my name is Allen Hoffman and I am on the Advisory Board of the Americus Area Community Coalition. I am the liaison between our group and the County Surveyor's office. First let me say it has been a pleasure to work with Zach and Brenda during this project. The County can certainly be proud of the professional manner in which the County Surveyor's Department is run. I would like to speak today specifically against the Drainage Board granting any variances for the Quarry project. I would assume you place importance on the level of channel protection volume and quality water volume that you've set. TBird cannot achieve the levels which you have set. The Rogers Group currently operates ten facilities in Indiana and has over 103 nationwide. This is not their first rodeo. They have been in business for over a hundred years; yet they are barely adhering or not adhering to your specifications. Is this indicative of how they wish to run their operation in our county? Let's look at the numbers and the deviations they are requesting. Ok? Let's begin with the number TBird submitted but did not discuss, peak water surface elevation. It should be noted that all three ponds are in compliance, but by what value? (A power point was presented along with the verbal presentation to the Board) The chart you are viewing is a blowup of the information submitted by TBird in its most recent re re resubmittal. If you look at the peak event value, you see a safety of 1.4 feet to 1.66 feet above the ten year peak. But let's look at the 100 % values; here the safety level is .02 feet, .18 feet and .73 feet. That is just ¼ inch, 2 and 1/8, and 8 ¾ inches. I would call that barely meeting your requirements with 0 margin for error. TBird never said this in their basic -that you just meet their basic requirements. Let's move on in my analysis remembering the precision demonstrated in just meeting the requirements for the hundred year flood plain. Channel Protection Volume (CPV) – here you're interested in providing the extended water detention for the one year in 24 hour event. Reviewing your requirements we see a maximum store value no more than 40% released in 12 hours volume event. No more than 10% maximum store volumes to be retained after 36 hours. Let's review the data provided by TBird to show compliance with this for all three ponds. Here is the table presented by TBird to show compliance with your specifications. Remember your requirements. We see pond 3 has already released too much water- 41.4% versus your 40% required value. In essence they are releasing the water nearly a half hour to fast. It is supposed to release more slowly over twelve hours' time not eleven and half. They are not meeting your requirements. Your requirement is there for a reason. TBird stated they only missed it by 27 minutes, but again why did you miss it in the first place? What design changes would TBird need to make in order to obtain total compliance with your requirements. We see at the 36 hour mark pond 2 still has a level of 17% detention versus stated maximum detention at 10%. That's extra 7% exceeds your requirements by a large number- 70%. Here TBird states it is quote "reasonably close" unquote, and they only missed it by quote "five hours and 42 minutes" unquote. Reasonably close? If you were waiting for an extra 5 hours and 42 minutes for somebody, would you consider they arrived reasonably close to your apt. with you? It is not reasonably close to achieve compliance when you only meet four of six specified values. Let's see if they can do better on water quality volume (WQV). Here the Bosma stormwater system would be required to provide 80% total suspended solids (TSS) removal utilizing one of the best management practices (BMP). The system must provide extended detention of the water volume based on a storm of 1 inch rainfall in a 24 hour period and meet the following criteria: 40% maximum stored values at least in 12 hours, 10% maximum stored value in 36 hours. Let's dig into the numbers and see how TBird's calculations fall from this 1 inch rainfall. We reviewed the volume stored value at 12 hours- the 40% maximum release = 60% or more retained that meets your requirements. The new verbiage TBird states it only needed a variance for not meeting the requirements specified for pond #. They can only achieve 55.8%. They cannot meet your 60% specification for pond 2 either. The last time I checked, 59.5% that they are proposing is less than 60.0% but they did not request a variance for that number. Oversight, rounding error, I don't care. There was no request for a variance for not meeting your requirements and they need one. They claim not meeting your specification is quote "not a significant issue" unquote, why not? If you agree with TBird's own calculation, they will be releasing 10% greater volume of water that is not acceptable. Finally let's review the maximum stored volume with 10% retained at the 36 hour mark, TBird exceeded that value in all three ponds. Thus none of the three ponds meets the specifications. As you can see pond 3 exceeds the requirement by 32%, pond 2 exceeds the requirement by 120% and pond 1 exceeds the requirement by a whopping 154%. How is this total disregard for your explanation/your specifications explained by TBird? Quote "This excess volume stored is insignificant compared to the excess WQV provided" unquote. This is not the point. Why don't they meet the specifications, why are your own requirements repeatedly termed as insignificant? They also give the explanation for doing your requirement; quote" it will only take an additional 26 hours to get down to the 10% mark" unquote. So if you have a specification for 36 hours, it will only take just 62 hours to achieve and that should be ok. That's not best management practice in my eyes. Tom Murtaugh asked at this time if the charts used were TBird charts. Allen Hoffman said yes the

yellow charts were TBird's charts. The percentages are the calculations off the values they are presenting raw data. I am giving you percentages off the values. Every quote that I give you in quotations is a quote off TBird's refilings of their report. The percentages are the calculations off the values - they are presenting raw data. So let's summarize the information that's being presented to you indicating the best management practices offered by TBird off their design of these three holding ponds in the processing and storage areas only. There are two calculated values required for the channel protection volume and two additional calculated volumes for the water quality volume. Thus there are four calculated values for each pond and twelve total calculations for the three ponds. Pond one fails one of the four requirements, pond two fails three of the four requirements, pond three fails three of the four requirements. Thus the total project fails seven of your twelve specifications. TBird fails to meet 58% of your specifications. No matter how you look at it, that is pretty pathetic. TBird obviously does consider your specifications once again in their own words "insignificant". I am sure that TBird has many capable professional engineers that are more than capable of designing three simple retention ponds that are in a hundred percent compliance with the Tippecanoe County Stormwater Management mandate. So why haven't they done that? I have read your Stormwater Comprehensive Stormwater Mgmt. Ordinance for Tippecanoe County and I understand you are limited to granting approval or denial solely on the stormwater discharge not the merits of the project itself. AACC (Americus Area Community Coalition) certainly has been frustrated in its opposition with this project, as each county board will only examine their piece of the total pie. I also know your mandate is not to weigh in on the concerns of over 200 homeowners adversely affected by the location of this Quarry in this exact spot, but what you can do and should do is insist on 100% compliance with your very own specifications in which you have written to protect the citizens of this county. As I have followed the four filings by TBird for this project, I have been frustrated by the phrases they use. They say their lack of compliance with your specifications are their own words "not a concern", variations according to them are "acceptable- very close to- close to- minor deviations and not a significant issue." Well let me assure you that none of this lack of compliance, none of the shoulder shrugging by TBird is acceptable for a project of this magnitude which would affect so many people's lives so adversely. As an Engineer I am also frustrated by something else. Nowhere in TBird's discussions, any of our attempts to running multiple computer simulations to verify they are presenting to you the best scenarios of drainage possible. No where can I see comments about trying alternate solutions that may have brought them into compliance with your specifications. Nowhere did I see any comments concerning alternate scenarios which may have been tried and abandoned as less effective. Maybe it would have cost them too much to run simulations. Maybe there is no better practices available to solve these problems or maybe the plan was just good enough in their eyes. I strongly urge this Board to exercise its prerogative and reject this proposal. Please return it to TBird and tell them to design three ponds that meet the requirements of the Stormwater Management Ordinance of Tippecanoe County. Tell them to meet the specifications that you have put in place to protect the citizens of Tippecanoe County. Thank you for your time." Unquote

Mr. Nate Hoffman approached the Board and also utilized a power point exhibit for his presentation and stated as follows: Quote" My family and I live at 7701 Rolling Hill Drive about 100 yards from the proposed Quarry site. I am a Teacher for the Tippecanoe County School Corporation. While my knowledge of Engineering is limited, I do at least have the ability to identify incomplete paperwork and to discern when someone handing in that paperwork put no effort into the paperwork. Today I will be addressing the lack of appropriate effort with respect to the permit process and how frequently you are asked to trust Rogers Group and TBird. Now essentially these people are asking you to trust them. They say that they will get all the permits they need. Just give them your stormwater drainage approval and they will take care of everything. Just trust them. Now before you do that I would ask that you look through their filing history and see if you think that trust is warranted. On Feb. 10, 2014, Rogers Group through TBird made its initial filing for Drainage Board approval. However they said and submitted nothing pertaining to Rule 6 or Rule 12 permits. Now this well thought out submittal was received by the County Surveyor's department and also the consulting engineering group in Indianapolis. Among the more than 50 errors and/or incomplete items, was the following request to reference Rule 6 and 12. So you see there is a request for both Rule 6 and 12 permits and also a request for the SWPPP report. This is the first of several similar requests. Now Rogers Group says they have Rule 6 approval. Sounds good, but let's dig into the documents. IDEM received Roger's Rule 6 information during mid-June of 2013. The cover letter and Notice of Intent letter are both dated May 9, 2013. If they were submitting them, then why were they not received by IDEM for five weeks? Reviewing the next document shows what may have caused the delay. They did not run the legal notice until eight days after the dating of the Notice of Intent filing. The notarized publisher's affidavit appears not to have been received until it was date stamped June 13, 2014 by the Rogers Group and you are supposed to trust them and take their word that everything will be taken care of. You can see by the time that IDEM gave Rogers Group the formal permit approval it was 6 months after the supposed date of their original filing. Timely I think not. The second letter of rejection by CBBEL states that Rogers acknowledged the need for Rule 12 compliance. Quote: The dewatering process will be permitted under IDEM MPDES General Permit Rule 12" Unquote I guess they thought that restating the request would be sufficient. Now this slide shows the second request for the same document. Now they try to tell you to trust them and they will even make a quarterly report on top of that. Almost a month later CBBEL made the exact same request. The following response was added to the exactly the same prior response by Rogers Group to Quote:"Rogers Group

has acknowledged that it is their policy to apply for the Rule 12 permit when it becomes applicable. The Rule 12 will be easy enough to obtain but is costly to comply with. A certified operator must perform sampling and complete it with review of outfalls. For this reason Rogers Group is holding off on the Rule 12 application until they have approval to mine the site.” Unquote So if it is easy enough to obtain, why haven’t they obtained it? Oh you’re waiting for approval to mine the site? Please remember that when you see what they tell you four weeks later. After 4 formal submittals with almost 300 pages of documents and exhibits, CBBEL gave up. They made the exact same request with reference to Rule 12 permitting. Except this time CBBEL essentially is saying we are sure eventually you will provide the requested documents. So we will recommend drainage approval. Now let’s look at the May 22, 2014 response and to see how Rogers’s response instilled all this trust. Quote ”Rogers Group has filed their Rule 12 and has submitted the NOI to IDEM” Unquote I must have missed it. Did they receive approval to mine the site? If so where is it? May be the high cost of comply was reduced to a more manageable number for the Rogers Group. I kind of doubt that also. But regardless it appears they are well along with their rule 12 permit. Has the Rogers Group been working hard on the permit since it has been noted on four responses from CBBEL to them over the past four months? Let’s find out. IDEM as of this morning at 8:45 am says they have received nothing from the Rogers Group with reference to Rule 12 filing. Natta, Nothing - really working hard on the permit. On May 13, 2014 a legal notice was buried in the Journal and Courier. This small notice drew a number of responses to IDEM from potentially grieved parties and it’s expected more parties will enter the action when Rogers finally gets around to submitting its formal NOI filing to IDEM and the notice is then posted for all concerned parties to see. So the AACC and IDEM are waiting patiently around for Rogers Group to get their act together and deliver on CBBEL’s request for a Rule 12 permit and their asking you to trust them to not worry about it, to just let it slide through your approval process. I don’t think that any of these inconsistencies, half-truths or blatant disregard for the constant request for information from the representatives of Tippecanoe County warrants your trust or ours. I would request that you do not approve this project. I ask that you send it back to Rogers Group until they get the proper permits from IDEM and the residents of Americus are given their due process. Why reward someone for sloppy or incomplete work? Why give trust when it has not been earned? Why approve a project before the necessary steps of a process have been conducted. I thank you for your time and for your consideration.” Unquote

The President asked for any additional comments from the attendees. Dan Medlock with Rogers Group approached the Board and stated he could not speak for the IDEM family however he just emailed his office to see if they had the green certification card back from IDEM. They had not. He noted the holdup is typically with the newspaper and getting proof of publication back, as it took almost three weeks after they ran the notice. He stated the notice was run and it had been submitted to IDEM. As far as permitting goes, Rogers have a lot of permits with IDEM. He stated this has been a contentious site and one does not want to involve IDEM, burden them with permitting issues if it is not going to go through. He stated, out of respect for landowners and their concerns we have been cautious in the process of submission. He noted as the process moved forward they felt more confident about the site and what could be done.

The Board President thanked all for the comments. He then referred back to the Surveyor or Consultant for a response. Consultant Dave Eichelberger Director of Engineering Mgmt. with Christopher B. Burke Engineering stated as follows: Quote: “When we looked at the variance requests, basically we look at the releases and the timing issues are set out to make sure the wet pond operates the way it is supposed to operate. You are not supposed to release more than 40% of the peak volume within the first 24 hours and a little bit under that or over and under several different cases. The numbers actually changed with the latest submittal. The second one is about making sure the pond is empty enough to operate again in case you get another storm. So in the first case with some of the guesswork that goes into hydrology and hydraulics, to get close to the 40% mark we have historically said it has been adequate for a variance request. On the second issue there was 10-25% was going to be left after 36 hours and that is a number related to the smaller volume of the channel protection volume or water quality volume. That volume was a much smaller number as you compare it to the peak detention volume- which is what we were considering here. So yes it does take 10% but since the pond is going to be used for the peak detention we are trying to make sure it is available for use for the 100 year storm for peak detention. Those numbers are actually much smaller when you compare it to the 100 year storage volume we are trying to trap. So that is why we have recommended approval for the Variance requests regarding the timing on the ponds for both water quality volume and channel protection volume and historically have done. It is very difficult to meet both the numbers exactly because you have an orifice plate in or some sort of structure. What we are talking about here is a difference like if you had a 6 inch or a 5.9 inch orifice plate or a 6.1 inch orifice. So we get to a certain place where we are talking about a minute difference in that diameter. You start questioning whether or not someone can build it with that exact specification with 6 inches, 5.85 inches or whatever you are going to come up with. When we get to the point where we feel they have met the spirit of the way it was intended and they have balanced it out as back they can between retaining the water enough to get the sediment to drop out, but yet letting the water be gone so it is ready for its next use- we call it quits at that point and say it doesn’t actually have the exact numbers, let’s grant a variance request and move on. That is basically it on the variance issue.” Unquote Tom Murtaugh asked for clarification on the statement 17% left in pond 2 represents only 9% of the peak detention storage. Mr. Eichelberger stated,

Quote "It is 17% when you compare it to what is for that storm volume. When doing a channel protection volume, it is a much smaller storm than the 100 year detention storm. The channel protection and water quality are much smaller storms. So as an example we are talking about the amount of volume left is going to be .065, .097, and .048 I think it was acre feet. The storage volume we are talking about is more like for peak detention is more like an acre foot. So we are talking about less than 1/10th of an acre foot left in the pond as compared to our peak detention volume of about an acre foot. So the percentages correctly pointing out in the table exceed the 10% yes, but the bigger picture is and this is what I want to stress is that we want that pond to be available for use again for the peak detention event. So that is what we compared it to a bigger picture issue. It will still be available for use for the next channel protection volume or next water quality volume because the pond is so much bigger -- because it is actually sized for the peak 100 year detention. I care more about that 17% is going to take up too much of the peak detention so it does not overtop during a 100 year storm." The Surveyor then stated he understood the concern and Mr. Eichelberger just explained the intent and he reiterated historically the Drainage Board have granted variances of this nature. The precedent has been set. The President stated no activities could start until the Rule 12 Permit issued from IDEM was submitted to the Surveyor. Mr. Eichelberger stated they try to get all State/Federal permits in for review when writing the review memos. When it gets down to one issue such as in this case the Rule 12 it is stated this must be submitted prior to the start of the dewatering process. That is our recommendation that this be a condition of the approval. So the dewatering could not start until the Rule 12 IDEM permit is submitted to the Surveyor.

Board Attorney Dave Luhman stated as follows: With regard to variances, they are not allowed only because the Drainage Board has granted them in the past. The standard is a variance can be allowed if application of the particular provision that they want a variance from (1) would cause extraordinary difficulty to the developer or expense (2) the variance would not prevent the goals and purposes of the ordinance (3) it would not result in less effective management of storm water runoff. This is the standard the Drainage Board considers when looking at the large picture and determining whether it meets those criteria. Strict adherence to this standard would require extraordinary difficulty or expense and if you allow the variance it would not prevent the goals and purpose of the Ordinance in the overall effective management of stormwater runoff. This should be kept in mind as the Board considers the request for and request against the variances. Responding to Mr. Murtaugh's request for clarification, Mr. Hoffman approached the Board. He stated quote "We are talking about the three ponds exceeding the requirements of the 10% retained after 36 hours maximum. It said that the 10% volume was exceeded by 154% was the exact comment with reference to Pond #1. The primary pond as pond 1 drains into pond 2 and pond 3 may never be built as far as the whole discussion is concerned. But Pond 1 is the critical pond. Pond 2 is supported by pond 1 and is also critical. But that was the point I was trying to make in that." unquote There were no other questions from the Board. Tom Murtaugh made a motion to approve Variance #1 as requested and recommended on the May 28, 2014 Burke review Memo. David Byers seconded the motion. John Knochel opposed. Tom Murtaugh made a motion to grant the variance #2 as recommended in the May 28, 2014 Burke review memo. David Byers seconded the motion. John Knochel opposed. Tom Murtaugh made a motion to grant variance #3 as requested and recommended on the May 28, 2014 Burke review memo. David Byers seconded the motion. John Knochel opposed. Tom Murtaugh made a motion to grant approval with the conditions as stated on the May 28, 2014 Burke review memo. David Byers second the motion. John Knochel opposed. The Rogers Group Bosma Quarry site was granted the requested three variances and a drainage approval with conditions as stated on the May 28, 2014 Burke review memo.

Meadowgate Estates Phase 4

Joe Coutts with C&S Surveying appeared before the Board to present Meadowgate Estates Phase 4 to the Board. The site was located north of County Road 500 North and east of County Road 75 East and consisted of approximately 28 acres. He stated half of the site drained to the west to an existing pond which was constructed with Section 3 of the overall Subdivision. The east side drained to a natural ravine onsite and both ultimately discharged to Burnett Creek. He stated they had received the May 15, 2014 Burke memo and was in agreement with all the conditions as stated and they were currently working toward meeting all the conditions at this time. An approximately 2 acre portion of the site would be undeveloped and remain a tree preservation area. There will be a small amount of clearing for Lot 28 that is not included in the tree preservation; however the majority of the trees would be preserved. The vast majority would be preserved with a platted tree preservation easement. He stated the owner was intimately involved in the maintenance of the drainage for the existing Meadowgate Subdivision and would be as involved in the maintenance of the drainage infrastructure for the new section/phase planned as well. He then requested approval of the variance as requested and drainage approval. There were no questions from the Board. The Surveyor informed the Board each individual site plan would be reviewed by his office prior to approval for site construction. He recommended approval of the variances as requested and drainage approval with the conditions as stated on the May 15, 2014 Burke review memo.

The President asked for public comment. Mark Hilton 5497 Shooting Star Lane West Lafayette approached the Board. He stated his lot was located across the pond and adjacent to the woods. He noted he fishes in the pond often and it was a big reason for his move to this location. His home was located approximately two hundred feet from the pond and noted there was no cropland draining into the pond as it was complete pasture. His concerns were how close would the next house be constructed to the pond and what amount of drainage would go into the pond. He said he had no issue with having a neighbor his only concern was the pond and the amount of additional drainage into it and as well as the current need for cleaning out the pond prior to new construction. Upon moving in to this location, he had asked how deep the pond was and Mr. Kuipers informed him then it was 17 feet deep. He stated the pond was actually 9 feet deep and disagreed with Mr. Coutts in that Mr. Kuipers was helpful with pond maintenance. He explained that when he bought the lot he asked Mr. Kuipers to clean up the pond as it was completely grown up and covered over by a number of species. Finally, after two years Mr. Kuipers finally cleaned the pond. However said pond was once again in bad shape and shallow in several areas. The President asked for Mr. Coutts reply. Mr. Coutts addressed the comments as follows: quote" To address the comments, I think the maintenance of the pond is more an issue for the Homeowners Association. I believe the maintenance of the pond is very clearly covered in the homeowner's covenants and restrictions for the existing phases and would be included with this next phase also. This subdivision was approximately 50% farmland and 50% uncultivated land. A portion of the land to the south of Mr. Hilton's location drained into the pond via a farm tile and open ditch as well as drained to the northeast. Regulations dictate how close one can build near a pond as well as elevation regulations and each building site would be reviewed by the Surveyor office prior to approval for home construction. The Consultant stated he personally inspected the pond years ago and at that time made maintenance recommendations. He stated the rate of runoff to the pond would not increase by this expansion. Mr. Coutts stated the owner commented to him when construction crews were building the new the roads for this section they could possibly clean out the pond as it would be a good opportunity to do it then." Unquote

Tom Murtaugh made a motion to grant the variance as stated on the May 15, 2014 Burke review memo. John Knochel seconded the motion. Tom Murtaugh made a motion to grant drainage approval with the conditions as stated on the May 15, 2014 Burke review memo. John Knochel seconded the motion. Meadowgate Section 4 Subdivision was granted the variance as requested and drainage approval with all the conditions as stated on the May 15, 2014 Burke review memo.

Blackthorne Phase 3

Pat Cunningham with Vester and Associates appeared before the Board and presented Blackthorne Subdivision Phase 3 for approval. The site was located southwest of intersection US 52 and Klondike Road and consisted of approximately 11.25 acres. An additional 44 lots would be developed in this phase. The original plan for this area when the development was planned was condominiums in this area; however since that time a new owner will build residential homes. The drainage infrastructure planned had been followed and would be as planned. Storm sewers and swales would route the runoff to the existing pond on site. He requested a variance for the use of the pond as a stormwater quality measure. He stated the owners were in agreement with the conditions as stated on the May 29, 2014 Burke review memo and requested drainage approval. Drainage Board Consultant David Eichelberger interjected the following: He stated he wanted to clarify for the record their variance recommendation -as it was not recommending using a pond as a water quality measure. When we recommend a variance request we are not really recommending the pond can be used as a water quality device, because it was not designed that way. We are acknowledging that it provides some sort of water quality benefit. Really the variance regards constructing one device for water quality only. Mr. Cunningham stated basically the pond does provide water quality control however not to the extent the Ordinance requires.

The Surveyor stated he recommended approval of the Variance as well as drainage approval with the conditions as stated in the May 29, 2014 Burke review memo. There was no public comment. Tom Murtaugh made a motion to grant approval for the variance as requested. John Knochel seconded the motion. The variance was approved as requested. John Knochel made a motion to approve Blackthorne Subdivision Phase 3 with the conditions as stated on the May 29, 2014 Burke review memo. Tom Murtaugh seconded the motion. Blackthorne Subdivision Phase 3 was granted a variance and drainage approval with the conditions as stated on the May 29, 2014 Burke review memo.

Contracts

Berlowitz Wetland Mitigation Contract Amendment

The Surveyor presented the Berlowitz Wetland Mitigation Contract Amendment in the amount of \$8,000.00 to the Board for approval. He noted this was an IDEM requirement and the amount would be added to the previously approved contract.

There was no public comment. Tom Murtaugh made a motion to approve the Berlowitz Wetland Mitigation Contract Amendment in the amount of \$8,000.00. John Knochel seconded the motion. The Berlowitz Wetland Mitigation Contract Amendment in the amount of \$8,000.00 was approved as presented by the Surveyor.

Upper JN Kirkpatrick Drain Extension Contract

The Surveyor presented the Upper JN Kirkpatrick Drain Extension Contract in the amount of \$89,000.00 to the Board for approval. This would extend the current open ditch from Co. Rd. 450 to the east side of US 52. He stated this was a part of the Build Tippecanoe project. There was no public comment. Tom Murtaugh made a motion to approve the Upper JN Kirkpatrick Drain Extension Contract in the amount of \$89,000.00. John Knochel seconded the motion.

Petitions

The Surveyor presented the following petitions for Board approval; Petition to Encroach on the JN Kirkpatrick Regulated Drain #46 submitted by The City of Lafayette, Petition to Encroach on the John McCoy Regulated Drain #50 submitted by Nathan Buche, Petition to Encroach on the Grant Cole Regulated Drain #19 submitted by Larry Underwood. He noted his office had reviewed the petitions and he recommended approval by the Board. There was no public comment. Tom Murtaugh made a motion to approve the Petitions as presented by the Surveyor. John Knochel seconded the motion. Approval from the Board was granted for the Petition to Encroach on the JN Kirkpatrick Regulated Drain #46 submitted by The City of Lafayette, Petition to Encroach on the John McCoy Regulated Drain #50 submitted by Nathan Buche, Petition to Encroach on the Grant Cole Regulated Drain #19 submitted by Larry Underwood .

Requests

The Surveyor presented a letter received by his office and written by the White County Drainage Board. The letter requested a Waiver be issued by the Drainage Board regarding the Emmitt Rayman Joint Regulated Drain #64 planned public hearing. Tippecanoe County has approximately 800 acres within the watershed and White County has approximately 6700 for a total of 7500 acres benefited by this joint drain. The waiver would allow White County Drainage Board to hold the hearing without a Tippecanoe County Drainage Board member. They are planning to increase the rates to the following variable amounts: 0.50, \$1.00, \$1.50, \$2.00 with a minimum rate of \$5.00. Since White County has the majority of acreage benefitted by the drain - they are the County in charge of its maintenance. The Surveyor recommended the Board provide the waiver as requested. There was no public comment.

John Knochel made a motion to grant a waiver for the Emmitt Rayman Joint Regulated Drain #64 as requested by White County Drainage Board. Tom Murtaugh seconded the motion. A Waiver to participate in the Emmitt Rayman Joint Regulated Drain #64 public hearing was granted to White County Drainage Board.

Public Comment

As there was no public comment, John Knochel made a motion to adjourn. The meeting was adjourned.



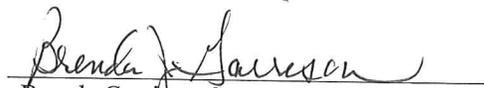
David S. Byers, President



John Knochel, Vice President



Thomas P. Murtaugh, Member



Brenda Garrison, Secretary

Tippecanoe County Drainage Board
October 1, 2014
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board Vice President John Knochel, member Thomas P. Murtaugh, County Surveyor Zachariah Beasley, Drainage Board Attorney Dave Luhman, 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 for Surveyor Office were also in attendance. President David S. Byers was absent.

Minutes Approval

Tom Murtaugh made a motion to approve the September 3, 2014 regular meeting minutes as written. John Knochel seconded the motion. Motion carried. Tom Murtaugh made a motion to approve the September 3, 2014 Shepherd's Point Part Two Regulated Drain hearing minutes as written. John Knochel seconded the motion. Motion carried.

TKO Graphix Addition

Randy Pearson working with Starr and Assoc. appeared before the Board to present the TKO Graphix Addition project. A parking expansion project was planned for the western side of the TKO Graphix facility located on the north side of Co. Rd. 450 South east of U.S. 52 on approximately 30 acres. The facility was granted construction approval with conditions by the Board during the December, 2013 meeting and he noted the expansion would not change the drainage analysis for the overall site. The previously approved drainage patterns were followed. The existing detention basin would capture and store the developed site runoff as the parking expansion would sheet flow to the detention basin. Mr. Peterson stated they agreed with the September 24, 2014 Burke memo conditions and requested approval from the Board. The Surveyor reminded the Board the overall project was approved in 2013 by the Board. He then reviewed the site utilizing GIS. He noted along with the prior Drainage Board approval for the project, a portion of Branch #08 of the S.W. Elliott was vacated as requested by the developer in 2013. (E1/2 Fractional NW ¼ Section 18 Twp 22N R 3W) That portion was vacated up to the western edge of the driveway which served the residential homes and capped as planned. His office staff was present when the vacation of the drain was completed and capped. Photos were located in the County Regulated S.W. Elliott #100 Drain file. He stated his office was ready to recommend approval with conditions as stated on the September 24, 2014 Burke memo to the Board. Commissioner Knochel asked for public comment.

Mr. Tim Ford 5500 East 430 South Lafayette approached the Board. Mr. Ford stated on the northern perimeter of the site and more specifically the west side of the lane; there was a "buffering wall" dug out and piled with rocks in place which makes it look like a spillway. He stated "if the water rose high enough it would cross our lane." He stated "water has been in that area since construction started and we have not had any good rains yet" He reiterated if a three inch rain came it would cross the spillway and the lane and cause no access to their property. He stated he lived in that location 18 years and has saw water run over the lane twice during that time. Mr. Randall Peterson (Project Engineer) stated the adjoining tracts elevation was higher than the project site. He noted the storm drainage plans call for storm runoff to route east to west away from the adjoining tracts and ultimately into the detention pond on the project site. Therefore the sites and the adjoining tracts runoff would route through the project site's infrastructure (detention pond) and would not cause drainage problems for adjoining property owners. The storm drainage runoff would run west then north through the site.

Tammy Ricks 5502 East 430 South Lafayette approached the Board. She expressed her concern regarding standing water currently onsite. She also expressed her concern of future stormwater ponding and runoff obstructing the adjoining lane after a large storm. Mr. Peterson noted onsite construction of the first phase had not been completed; once the construction was completed there would be no standing water onsite. Dave Eichelberger clarified Mr. Peterson's remarks stating: the east spillway is higher than the west spillway. The Surveyor stated he gave permission for the semis currently parked there. However the site work was not complete at this time. His office would review as built once the construction was completed and ensure the work was completed as designed and approved by the Drainage Board. There was no other public comment.

Tom Murtaugh made a motion to grant approval for TKO Graphix Addition with the conditions as stated on the September 24, 2014 Burke memo. John Knochel seconded the motion. Motion carried.

Power Place Industries

Joe Coutts from C&S Surveying appeared before the Board to present Power Place Industries Warehouse Addition project to the Board for drainage approval. The site consisted of approximately 10 acres was located north of US 52 on the west side of US 231. Mr. Coutts stated the project area onsite was under a half an acre and technically would receive an exemption from Stormwater Quantity and Quality. However due to a couple additions onsite in recent years, the Surveyor felt the project's drainage plan should be reviewed. The Surveyor wanted to ensure there was no adverse impact up or downstream from the site. Mr. Coutts noted there was a private tile placed onsite years ago by the Soil Conservation Service in the 1970's which outlet to a County Regulated Drain known as the Box Ditch. He stated the site's elevation of the emergency overflow path was lower than adjoining tracts and would not adversely affect adjoining tracts. He requested approval from the Board. The Surveyor reviewed the project site and noted the breakout point/depressional area to outlet to the Box Ditch was approximately 2.5 feet lower than the lowest adjacent grade of the home to the west. He noted he did speak with Mrs. Emily Farley (homeowner to the west) and Mr. John Robert Howell who owned the woods as well. The Surveyor stated they were satisfied with the plans. He recommended construction approval with conditions as stated on the September 25, 2014 Burke memo. John Knochel asked for public comment. There was no public comment. Tom Murtaugh made a motion to grant construction approval with conditions as stated on the September 25, 2014 Burke memo. John Knochel seconded the motion. Motion carried.

Oak Ridge Subdivision Section 1

Justin Frazier from TBird Design appeared before the Board to present Oak Ridge Subdivision Section 1 for approval by the Board. The site was located north of County Road 500 North on the west side of County Road 75 East and consisted of approximately 48 acres. Coyote Crossing Golf Course and Winding Creek Subdivision were located to the west of the site. He noted there were three discharge points for the site. 1. The east side of project drained northerly through a drainage channel to Burnett Creek 2. The central area of site drained northerly through existing ravine channel systems to Burnett Creek 3. The western portion of site drained westerly to an existing tributary of Cole Regulated Ditch (located on entire length of property) and eventually to Burnett Creek. He stated there would be 104 single family residential lots onsite. The majority of the site would drain through storm infrastructure to an onsite detention pond in the northwest corner of site. A portion of site in the northeast corner would drain un-detained to a ravine tributary to Burnett Creek. He requested two Stormwater Quality Variances due to design limits 1. A variance for the proposed basin DEV-3-2 separate stormwater BMP measures would be utilized and would maintain the riparian corridor 2. A variance for basin DEV-1A - vegetative swales and mechanical stormwater quality units and a wet pond would be utilized for 90% of the area. He then requested approval from the Board and stated they agreed with the September 26, 2014 Burke memo. The Surveyor stated his office supported the variances and recommended approval with the conditions as outlined in the September 26, 2014 Burke memo. John Knochel opened the floor for public comment. There was none. Tom Murtaugh made a motion to approve the two variances to Stormwater Quality measures as requested. John Knochel seconded the motion. Motion carried. Tom Murtaugh made a motion to grant approval with the conditions as outlined in the September 26, 2014 Burke memo. John Knochel seconded the motion. The motion carried.

GE Aviation Site Plan and David Howarth Drive Extension

Jim Pence from Schneider Corporation appeared before the Board to present the GE Aviation Site Plan and David Howarth Drive Extension project for approval. The site was located within the City of Lafayette limits west of the intersection of US 52 and County Road 450 East and consisting of approximately 100 acres. Mr. Pence noted approval for the mass grading plan and encroachment on the JN Kirkpatrick Regulated Drain was granted in August 2014. He requested 2 variances for this project. He noted detention for the site would meet the restricted release rate requirements (due to the site location within JN Kirkpatrick Regulated Drain watershed). However the timing requirements would not meet the channel protective and water quality volume release while meeting the aforementioned required restricted release rates. Therefore they requested variances for both. He stated they agreed with the September 26, 2014 Burke memo and asked for approval to outlet into the JN Kirkpatrick Regulated Drain as well as approval for the variances from the Board. The Surveyor noted regarding the September 26, 2014 Burke memo - variance #1 listed is no longer requested- therefore only the 2 variances as explained by Mr. Pence were requested. The Surveyor stated his office reviewed the requests and recommended approval with the conditions as stated on the September 26, 2014 Burke memo regarding the variances and the project. John Knochel asked for public comment. There was none. Tom Murtaugh made a motion to grant approval for Variance #2 and Variance #3 listed on the September 26, 2014 Burke memo. John Knochel seconded the motion. The motion carried. Tom Murtaugh made a motion to grant conditional approval as stated on the September 26, 2014 Burke memo. John Knochel seconded the motion. Motion carried.

Zach Beasley/Other Business

The Surveyor stated his office received a letter from the Carroll County Surveyor requesting a waiver from the Board to participate in the landowner hearing regarding the Julien Bowen Joint Drain. He noted Carroll County has the largest amount of acreage within the watershed with 4508.122 acres benefited. Tippecanoe County has approximately 462.16 acres benefited. He recommended approving the waiver request as presented. If a county has fewer than 10 % of the benefited acres, the statute allows a drainage board to waive their rights to participate on a Joint Drainage Board. Tom Murtaugh made a motion to waive the Tippecanoe County Drainage Board's right of participation on the Julien Bowen Bi-County Drainage Board. John Knochel seconded their motion. Motion carried.

Petition to Encroach on a Regulated Drain/Jerry Rooze

The Surveyor stated he had received from landowner Jerry Rooze a Petition to Encroach on the Otterbein #112 Regulated Drain. He noted the verbiage on the document was not correct as the document states "encroach" and should state "reduce" the statutory easement from the 75 feet to 30 feet total perpendicular from top of bank. He stated he would work with the landowner to get the correct verbiage on the document prior to signing if the Board would approve with that condition today. Tom Murtaugh made a motion to grant the requested reduction of the Otterbein Regulated Drain #112 with the correction on the document as outlined by the Surveyor. John Knochel seconded the motion. Motion carried.

Public Comment

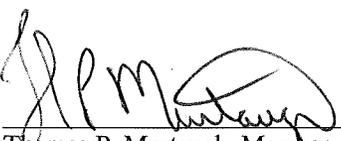
John Knochel asked for public comment. There was no public comment. John Knochel made a motion to adjourn the meeting. The meeting adjourned.

ABSENT

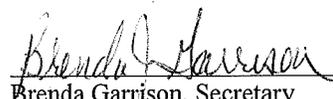
David S. Byers, President



John Knochel, Vice President



Thomas P. Murtaugh, Member



Brenda Garrison, Secretary

Tippecanoe County Drainage Board

April 1, 2015

Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President David S. Byers, Vice President Tracy Brown, 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. Member Thomas P. Murtaugh was absent.

Approval of Minutes

Tracy Brown made a motion to approve the March 4, 2015 regular minutes as written. David Byers seconded the motion. Motion carried. Tracy Brown made a motion to approve the March 4, 2015 Clymer Norris #122 landowner Hearing Minutes as written. David Byers seconded the motion. Motion carried.

I65 North Segment Road Improvements

Chris Schultz with CHA (Clough, Harbour and Assoc. LLP) appeared before the Board to present the I-65 North Segment Road Improvements project for approval. The project consisted of added travel lanes to north and south bound Interstate 65 for approximately 3.20 miles and consisted of approximately 12.5 acres. The project would begin north of State Road 26 and end north of State Road 25. This portion will be known as the north segment and constructed in 2015. The area known as the south segment would be constructed in 2016. He noted work would start with the median's lane first, second switch traffic to the south bound side while constructing the north bound added lane and third the south bound lanes would be constructed while traffic utilized the north bound lanes. The pavement would be widened from 38 feet to 56 feet in each direction. He noted there were several direct outlets into the Wildcat Creek however there were no County Regulated Drains involved within the north segment. A total of two detention ponds were planned. The first would be located in the northwest quadrant at St. Rd. 25. The second detention pond - a ditch detention check would be located just north of Dry Run Creek. Vegetative swales throughout would provide water quality volume as well. He stated they agreed with the March 25, 2015 Burke Memo conditions with the exception of comments #2 and #3 under "4.0 General Conditions". The Surveyor agreed those comments did not apply for this project. Mr. Schultz asked for approval of the project. As a result of Commissioner Byer's inquiry it was noted the existing bridge over the Wildcat Creek would be widened with a new deck and sides. The Surveyor stated for the record that INDOT, CHA and Walsh Construction have been very good to work with and he appreciated that greatly. He noted stormwater quantity and quality were addressed with the design of the two detention basins and vegetative swales. He recommended conditional approval as stated on the March 27, 2015 Burke memo. Tracy Brown made a motion to grant conditional approval for the I65 North Segment Road Improvements. David Byers seconded the motion. Motion carried.

Auburn Meadows Preliminary Approval

Jim Pence appeared before the Board to request preliminary approval for the Auburn Meadows Subdivision project. The site was located on the east side of Co. Rd 50 West south of Co. Rd. 500 North and consisted of approximately 85.77 acres. He stated they were working along with the Surveyor's office regarding the offsite drainage and emergency routing for the project. Due to the site's discharge into an unnamed tributary of Cole Ditch (a tributary to Burnett Creek), DNR approval was required. He noted they agreed with the March 27, 2015 Burke memo and requested conditional approval from the Board. The Surveyor reiterated the request was for preliminary approval only at this time. He then recommended preliminary approval as stated on the March 27, 2015 Burke memo and noted the project would be back in front of the board next month for conditional approval. Tracy Brown made a motion to grant preliminary approval with the conditions as stated on the March 27, 2015 Burke memo. David Byers seconded the motion. Motion carried.

Zach Beasley/Other Business

Crist Fassnacht County Regulated Drain #29

The Surveyor requested the Board set a date and time for a landowner hearing on the Crist-Fassnacht County Regulated Drain regarding a maintenance increase. He asked the Board to set June 3, 2015 immediately following the regular meeting of the Board as the date. Tracy Brown motioned June 3, 2015 immediately following the regular scheduled Drainage Board

meeting a landowner hearing was to be held for the Crist Fassnacht County Regulated Drain Maintenance increase. David Byers seconded the motion. Motion carried.

Hester Mottsinger #58 County Regulated Drain

The Surveyor updated the Board on the Hester Mottsinger #58 Regulated Drain project. He noted the maintenance rate was increased in 2014. Tony Garriott was awarded the project. He has installed 1400 feet of 24" HDPE perforated tile immediately north of Co. Rd. 500North on Otto Doering's tract along the grassed waterway to the north/south fence row on the west side of the tract. They are finishing up removing old tile, connecting laterals and installing the riprap storm basin at the outlet immediately west of the cross country subsurface gas line. Responding to David Byers inquiry, the Surveyor noted once this project was paid in full- approximately 8-9 years- maintenance was planned to start where this project left off and proceed north. The scope of the next phase would depend on cost. This phase was not designed to date. He noted in the last several years the very downstream portion of this tile system had been in very poor condition. The tile was dilapidated and a lot of "Band-Aid" maintenance had been completed through these years. The lower portion from the fence row to the outlet was the worse condition of the tile system; and required immediate work in this location. He stated due to the construction, a majority of the pressure on this tile was relieved and it was flowing very well upon his inspection. He discussed general information for maintenance on tiles along with his views of efficient use of maintenance monies with the Board.

Public Comment

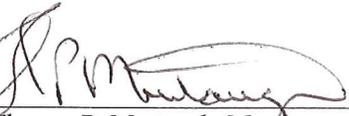
As there was no public comment, Tracy Brown moved to adjourn. The meeting was adjourned.



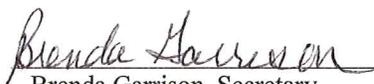
David S. Byers, President



Tracy Brown, Vice President



Thomas P. Murtaugh, Member



Brenda Garrison, Secretary

Tippecanoe County Drainage Board
June 3, 2015
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President David S. Byers, Vice President Tracy Brown, member Thomas P. Murtaugh, County Surveyor Zachariah Beasley, Drainage Board Attorney Mathew Salsbery, 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. Attorney Doug Masson was absent.

Approval of Minutes

Thomas Murtaugh made a motion to approve the May 6, 2015 regular minutes as written. Tracy Brown seconded the motion. Motion carried.

Clymer Norris #122 Regulated Drain Tile Reconstruction

The President referred to Attorney Mathew Salsbery to open the Clymer Norris #122 Regulated Drain Reconstruction Contractor Bids submitted to the Drainage Board for consideration. Attorney Salsbery noted there were four bids submitted regarding the Clymer Norris #122 Regulated Drain Reconstruction. The first bid opened was submitted by Bedino Construction Company- Terre Haute Indiana in the amount of \$126,838.00; the second bid submitted by Maxwell Farm Drainage LLC-Crawfordsville Indiana in the amount of \$76,745.00; the third bid submitted by Central Indiana Drainage-West Lafayette Indiana in the amount of \$83,939.50; the fourth and last bid submitted was by Atlas Excavating- West Lafayette Indiana in the amount of \$194,309.00. Comm. Murtaugh made a motion to take all bids under advisement. Comm. Brown seconded the motion. Motion carried. The President thanked the Contractors for the submissions and noted the bids would be reviewed for compliance and awarded at end of this meeting.

Auburn Meadows

Jim Pence from Schneider Corporation appeared before the Board to present the Auburn Meadows project for approval. The site was located on the east side of Co. Rd. 50 West (aka Salsbury Road) south of Co. Rd. 500 North and consisted of approximately 85 acres. He stated he had received the May 29, 2015 Burke Review Memo and was in the process of addressing the conditions as stated on the memo. He noted they had received Department of Natural Resources Approval (DNR) for the planned outlet into the unnamed tributary of the Grant Cole #19 County Regulated Drain. He stated they were staying out of the area on the site designated as floodplain. Planned for the overall subdivision were 222 lots. This phase of the overall project would be known as Section 1 and would involve 78 lots. He then requested conditional approval for the Master Plan and Section 1 of said plan. The Surveyor stated the presentation today regarded approval of the project's Master Plan in addition to specifically Section 1 only of the overall Master Plan. He noted a variance was requested regarding Chapter 8: Channel Protection Volume and Water Quality Volume. He recommended the requested variance and conditional approval as stated on the May 29, 2015 Burke memo. Comm. Murtaugh made a motion to grant conditional approval as stated on the May 29, 2015 Burke memo for the overall site's Master Plan. Comm. Brown seconded the motion. Motion carried. Comm. Murtaugh made a motion to grant a variance as noted on the May 29, 2015 Burke memo. Comm. Brown seconded the motion. Motion carried. Comm. Murtaugh made a motion to grant conditional approval for Section 1 of the overall Master Plan as stated on the May 29, 2015 Burke memo. Comm. Brown seconded the motion. Motion carried. There was no public comment.

Greater Lafayette Chinese Alliance Church

Kyle Betz of Fisher and Associates appeared before the Board to present the Greater Lafayette Chinese Alliance Church project for approval. The site was located on the south side of Co. Rd. 250 North west of Klondike Road and consisted of approximately 4 acres. Mr. Betz noted the site was specifically located at the northwest corner of Lindbergh Village Subdivision. The site plan was designed with two parts in mind, first part as a primary construction site and a second part for the future 2nd phase construction (currently the phase 2 timeline was undetermined). An approximate third of the site drained to the northwest -into a portion of the Indian Creek Drainage Impact Area; however the runoff's cfs impact would be reduced from the current amount draining into the impact area. The remainder of the site (approximate 2/3) drained into Lindbergh Village Subdivision's existing drainage infrastructure. Rear yard inlets adjoining the project site and located within the

Lindberg Village Subdivision would route the project's runoff throughout the Lindberg Village Subdivision infrastructure. He noted due to this, owners, contractors and Lindberg Village Home Owners Association met and discussed the drainage plan for the church project. He noted a couple of the Lindberg Village lot owners whose rear lots were affected by this plan met with the owner and contractors to discuss the developer's planned drainage. He stated he thought the landowner's concerns were addressed adequately. He would submit document verification by the parties affected. At that time Mr. Betz requested approval from the Board.

The Surveyor stated under the "Stormwater Quantity" portion of the May 29, 2015 Burke memo- "Items #1 and #2"- must be addressed prior to his signature on plans. As a public safety issue, he would not move forward until the items were addressed. Mr. Betz noted the owner was aware of the requirement and currently working on submitting the documents for future reference if needed. Mr. Betz stated the emergency routing verification would be provided. The Surveyor interjected and stated he felt it would be necessary for the area to be surveyed to insure no modifications have been made since the "As Built Plans" for Lindberg Village were recorded. The Surveyor stated the portion of the site which drained into the Indian Creek Impact Area was an insignificant amount. He directed Mr. Betz to discuss the site's entrance with Tippecanoe County Highway Department to eliminate any concerns they may currently have. Mr. Betz agreed to discuss as soon as possible with the Highway Department. The Surveyor recommended approval with conditions as stated on the May 29, 2015 Burke memo in addition to the added condition of surveying the emergency routing area to insure no modifications had been made since recording of the adjoining development's plans, Lindberg Village. Comm. Brown made a motion to grant conditional approval as stated in the May 29, 2015 Burke memo in addition to the Surveyor's condition of the emergency routing area to be surveyed. Comm. Murtaugh seconded the motion. Motion carried.

Comm. Byers asked for public comment. Kristin Perkis 2460 Hopkins Drive West Lafayette approached the Board. She stated her lot was one of the lots (third lot from intersection) with an existing inlet which runoff from the Greater Lafayette Chinese Church project site would outlet into. She stated her husband and she was in the process of building a fence in their rear yard and had met with the developer and contractor concerning the issue. They were told the fence project would not interfere with the infrastructure/outlet plans. She noted she had written a letter to the Drainage Board addressing concerns and submitted the aforementioned letter for the official record. (The letter will be added to the minutes at end of this transcript and scanned into the digital project file) She provided a copy of the letter to Mr. Betz of Fisher and Associates as well. The Surveyor informed Mrs. Perkis that he took these issues very seriously and would not sign off on the final plans until he was satisfied the developer met all the conditions as safety was of the utmost importance to him. He assured her he would not compromise with public safety as he took this very seriously. He thanked her for her comments. She thanked the Board for their time.

Zach Beasley/Other Business

New East Branch Tippecanoe County Library/Petition to Encroach & Maintenance Agreement/Berlowitz Regulated Drain #08

The Surveyor presented a Petition to Encroach and Maintenance Agreement regarding the Berlowitz Regulated Drain and the New East Branch Tippecanoe County Library project, submitted by Schneider Corporation. He stated his office had reviewed both documents and recommended approval. Tom Murtaugh made a motion to approve the Petition to Encroach for the Berlowitz Regulated Drain #08 as submitted. Tracy Brown seconded the motion. Motion carried. Tom Murtaugh made a motion to approve the Maintenance Agreement on the Berlowitz Regulated Drain as submitted. Tracy Brown seconded the motion. Motion carried.

Bob Rohrman Auto Group Expansion/Petition to Encroach and Reduction in Easement/Wilson Br. S.W. Elliott Regulated Drain #100

The Surveyor presented A Petition to Encroach and Reduction in Easement on the Wilson Branch of the S.W. Elliott Regulated Drain #100 for the Bob Rohrman Auto Group project submitted to his office by Bunnell Land Survey and Engineering for approval by the Board. Tracy Brown made a motion to approve the Petition to Encroach and the Reduction in Easement regarding the Wilson Branch of the S.W. Elliott Regulated Drain #100 as presented. Tom Murtaugh seconded the motion. Motion carried.

G.E. Aviation/Petition to Encroach J.N. Kirkpatrick Regulated Drain #46

The Surveyor presented a Petition to Encroach on the upper end of the J.N. Kirkpatrick Regulated Drain #46 to the Board which was submitted for approval by Schneider Engineering on behalf of Wintek. He noted he reviewed the document and

recommended approval by the Board. Tom Murtaugh made a motion to grant approval of the Petition to Encroach on the upper end of the J.N. Kirkpatrick Regulated Drain #46 as presented. Tracy Brown seconded the motion. Motion carried.

Clymer Norris Regulated Drain #122 Reconstruction Project Bid Award

The President referred to the Attorney for announcing the Clymer Norris Regulated Drain #122 Reconstruction Project lowest bid. Atty. Salsbery stated Maxwell Farm Drainage Inc. submitted the low bid in the amount of \$76,745.00. He noted the Bid was in compliance with the contract as written. Tom Murtaugh made a motion to award the Clymer Norris Regulated Drain #122 Reconstruction Project to Maxwell Farm Drainage Inc. in the amount of \$76,745.00. Tracy Brown seconded the motion. Motion carried.

Zach Beasley/Other Business

The Surveyor asked the Board to set dates for three Public Landowner Hearings regarding the regulated drains. He requested the following: The Peter Rettereth Regulated Drain #66 Reconstruction for August 5th 2015, Ann Montgomery Regulated Drain #56 Maintenance Increase for September 2, 2015 and Gustav Swanson #76 Regulated Drain Maintenance Increase for October 7, 2015 and each hearing to immediately follow the scheduled regular meetings on these dates. Tom Murtaugh made a motion to set dates for the Peter Rettereth Regulated Drain #66 Reconstruction on August 5th 2015, Ann Montgomery Regulated Drain #56 Maintenance Increase on September 2, 2015 and Gustav Swanson #76 Regulated Drain Maintenance Increase on October 7, 2015 and that the hearings were to immediately follow the scheduled regular meetings on said dates. Tracy Brown seconded the motion. Motion Carried.

Moses Baker Regulated Drain #114

The Surveyor presented a slide show of the dredging, clearing maintenance work recently completed on the Moses Baker Regulated Drain. The location of the slides was Co. Rd. 1000 South and Co. Rd. 500 East. The pictures were taken from the Bridge on Co. Rd. 500 East just north of Co. Rd. 1000 South. He stated the ditch would function much better now that it had been cleared of the trees in that area.

Alonzo Taylor#77 Regulated Drain Reconstruction

The Surveyor informed the Board the Alonzo Taylor#77 Regulated Drain Reconstruction project would begin at the first of the upcoming week with tile replacement.

Public Comment

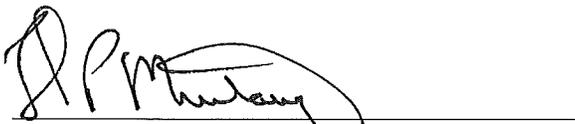
As there was no public comment Tom Murtaugh made a motion to adjourn. The meeting was adjourned.



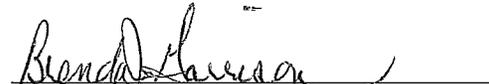
David S. Byers, President



Tracy Brown, Vice President



Thomas P. Murtaugh, Member



Brenda Garfison, Secretary

Tippecanoe County Drainage Board
August 3, 2016
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President Tracy Brown, Vice President Thomas P. Murtaugh, County Surveyor Zachariah Beasley, Drainage Board Attorney Doug Masson, Drainage Board Engineering Consultant Dave Eichelberger from Christopher B. Burke Engineering LLC and Evan Warner-G.I.S. Technician. James Butcher-Project Manager with the Surveyor Office was also in attendance. Member David Byers and Drainage Board Secretary Brenda Garrison were absent.

Approval of Minutes

Thomas Murtaugh made a motion to approve the July 6, 2016 regular Drainage Board meeting and the July 19, 2016 J.N. Kirkpatrick Regulated Drain #46 Upper End Extension Special Meeting as written. Tracy Brown seconded the motion. Motion carried.

Zach Beasley/Other Business

The Surveyor presented the 2016- 2017 S.W. Elliott Regulated Drain #100 Gaging Station Contract, a USGS Geological Joint Funding Agreement while noting it has been a cooperative effort between the Drainage Board and USGS for the past 7 years. He stated \$9775.00 was the County's portion for the station's monitoring during October 1, 2016 to September 31, 2017. He reminded the Board David Knipe of D.N.R. spoke in greater detail about this during their July 2016 meeting. He noted the area east and upstream of Concord had never had a flood elevation study. He noted since 1994 the County Area Plan Commission had been using a notification letter from D.N.R. as the official document detailing the 100 year flood elevations for the area upstream of Concord Road and Brady Lane. During the July Drainage Board meeting, Mr. Knipe noted that D.N.R. is currently in the last stages of implementing revised flood elevation maps for the entire area of Tippecanoe County. He stated the S.W. Elliott Regulated Drain Gaging Station data collection during the past seven years had been helpful during the process. The Surveyor recommended signing the USGS Geological Joint Funding Agreement for one more year- until which time the proposed FIRM maps become official. Responding to Tom Murtaugh's inquiry, the Surveyor noted that WREC (Wabash River Enhancement Corp) has an existing gage however it is located further downstream to the west in the Poland Hill Road area.

Tracy Brown asked for public comment. Pat Jarboe of TBIRD Design Services approached the Board and stated as an Engineer he sees the benefit of the flood elevation level lowered however he looks at these studies cautiously. Mr. Jarboe stated he felt it was a standardized approach to a fuzzy science. In small watersheds like the S.W. Elliott flooding usually occurs by blocking the flow in the ditch . susceptible to flooding that would not be due to rain events but more likely due to flow blockage from structures or downed trees etc. The Surveyor stated maintenance on the S. W. Elliott ditch is ongoing and removal of downed trees is common. The Surveyor stated there are two issues happening with this; a data issue and a policy issue. He is focusing on the policy side of the issue. On the policy side roughly \$90,000 over the last 7-8 years for data collection and felt the contract should be followed through for one more year then discontinue the station next year.

Tom Murtaugh made a motion to approve the Oct. 1, 2016 to Sept. 31, 2017 USGS Geological Joint Funding Agreement as presented. Tracy Brown seconded the motion. Motion carried.

Petition to Reduce Easement/ Grant Cole Regulated Drain #19

The Surveyor presented a Petition to Reduce an Easement on the Grant Cole Regulated Drain #19. The area for the reduction was located in the western quadrant of C.R. 600 North and C.R. 175 West. He noted the easement reduction is related to the actual location of the physical tile in the field. He recommended approval by the Board to reduce the easement from 75 foot on each side of the Grant Cole Regulated Drain tile to 30 feet as allowed by Indiana Code. Thomas Murtaugh made a motion to approve the reduction in easement for the Grant Cole Regulated Drain #19. Tracy Brown seconded the motion. Motion carried.

Reconstruction Projects Update

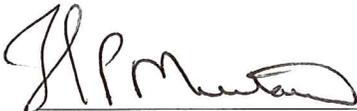
The Surveyor noted the Waples McDill #85 Reconstruction was 98% complete with only a few minor items to complete. The landowners within the watershed are happy with the work. The Ditch Spray program has been completed and the Surveyor noted he had received great feedback from the landowners on various ditches. Landowners have requested the spray data information to use on their private ditches as well. It confirms the fact they are pleased with the results.

Public Comment:

As there was no public comment, Thomas Murtaugh made a motion to adjourn. The meeting was adjourned.



Tracy Brown, President



Thomas P. Murtaugh, Vice President

ABSENT

David S. Byers, Member



Brenda Garrison, Secretary/Absent
Evan Warner, GIS Technician

Tippecanoe County Drainage Board

December 7, 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

Thomas Murtaugh made a motion to approve the November 2, 2016 Regular Meeting Minutes with the following changes: within the Winter Crest Subdivision section the item #01 should read item #1, at the end of paragraph asap should read as soon as possible. David Byers seconded the motion. Motion carried. Thomas Murtaugh made a motion to approve the November 2, 2016 Martin Erwin #28 landowner hearing minutes as written. Motion carried.

Whittaker Planned Development

Justin Frazier of TBird Design Services appeared before the board to present the Whittaker Planned Development for conditional approval. The site was located west of C.R. 50 West on the north side of C.R. 500 North and consisted of approximately 16.8 acres. This development would function as a Bed and Breakfast. The Inn and drive would be constructed first, with a barn planned for future construction. He stated the G. Cole Regulated Drain was located along the north side of the property. The site would have prairie type grass and the runoff would discharge to a swale on the west side of the driveway then through vegetative swales with infiltration. He noted there was no onsite detention required. He stated they agreed with the December 1, 2016 Burke memo and requested conditional approval. The Surveyor noted his office agreed the site required no detention or variances and recommended approval as stated on the December 1, 2016 Burke memo. Responding to David Byers inquiry, the Surveyor noted the onsite sewage line was located in the northeast portion and routed southerly to the western side of the project site location. There was no public comment. David Byers made a motion to grant conditional approval as stated in the December 1, 2016 Burke memo. Thomas Murtaugh seconded the motion. Motion granted.

2827 Commercial Subdivision

Justin Frazier of TBird Design Services appeared before the board to present the 2827 Commercial Subdivision for conditional approval. He stated the site was adjacent to the Lockhart Property (Commercial building) which was approved by the Drainage Board in October 2015; this project included expansion of the Lockhart project as well. The current project site consisted of approximately 3.87 acres (3 lots which included Lockhart property) and located on the south side of U.S. 52 east of C.R.300 West (Klondike Road). He noted the underground detention storage infrastructure would collect most of the site's runoff from storm inlets. (An addition to the previously approved underground detention for Lockhart property) The existing swale located in the southeast corner of the site would be the final outlet for detention. He requested a variance to the Ordinance regarding the allowable release rate and channel protection. He stated the underground detention infrastructure did not allow for the requirements. Mr. Frazier explained to the Board the supplemental measures which would offset the required allowable release amounts and channel protection requirements per the ordinance. The underground detention storage has an initial chamber designed to remove sediment from the stormwater, in lieu of placing another preapproved bmp device such as swirl chamber etc.; up stream of the underground detention facility snout and sump structures were planned. These structures were not currently on the bmp preapproved list. The Surveyor stated the Lockhart property had been approved by the Board previously and this was all part of the complex. He noted this would be consistent with the adjoining Lockhart property previously approved underground detention facility. This area was located within the Indian Creek Drainage Impact Area and would be required to follow Indian Creek Drainage Impact Resolution #2013-01-DB requirements. (See December 1, 2016 Christopher B. Burke Memo for details) The Surveyor recommended approval of the Variances as requested as well as the conditional approval of the project. There was no public comment. Thomas Murtaugh made a motion to grant conditional approval as outlined in the Dec. 1, 2016 Burke memo for the 2827 Commercial Subdivision. David Byers seconded the motion. Motion carried.

Alexander Ross Regulated Drain Master Plan /Resolution #2016-02-DB

The Surveyor requested Mr. Robert Foley from the City of Lafayette Engineer's Office to approach the Board and inform the status of the Alexander Ross Regulated Drain Master Plan Resolution. Mr. Foley stated the Resolution was recently adopted by the City of Lafayette Redevelopment Commission and the City of Lafayette Board of Works. He informed the Board the resolution would be presented to the Lafayette City Council for approval during their February 2017 meeting. Responding to David Byers inquiry, Mr. Foley stated streets, sewers etc. would be the individual developer's responsibility not the City of Lafayette.

David Eichelberger Drainage Board Engineer Consultant from Christopher B. Burke Engineering approached the Board to present the Alexander Ross Regulated Drain Master Plan. He noted the Alexander Ross Regulated Drain watershed was located on the east side of the City of Lafayette. Generally speaking the watershed flowed from the southwest to the northeast through a large natural depression area on the west side of Interstate 65. The runoff then crosses through twin covers under the interstate into a pond located on the east side of I65, crosses SR26 into a deep ravine system into the South fork of Wildcat Creek. He noted the watershed was first studied in 1993 due to its development potential and poor area drainage. The goal in 1993 was to provide a positive outlet for the said watershed as well as regional detention for the development occurring at that time. The result was the proposal of two regional detention facilities (ponds) with one located on the east side and one on the west side of I65. The east side pond was constructed as part of the Meijer Store development project. While the need for and amount of the storage capacity was known, location of the second pond (west side of I65) was not determined at that time. However the Wal-Mart project included construction of a pond on the west side of I65 at that time. These two ponds allowed for the immediate area's development. The City of Lafayette and the County have cooperatively hired Christopher B. Burke Engineering to complete the master plan for the west side of the watershed. The goal was to be consistent regarding regional detention with what was started in 1993. Two additional regional detention facilities would be constructed in logical locations instead of forcing it to a certain location (causing access excavation just to make it happen in that area). Provisions for development's regional stormwater quality measures within the watershed, as well as master planning the roads, water, sewer and collection systems was the cooperative goal between the City of Lafayette and the County completing the Master Plan. Responding to David Byers inquiry, Mr. Eichelberger stated the total watershed acreage was approximately 600 acres. The *developable* acreage would be 230 acres on the west side of I65. The aforementioned collection systems were primarily designed to handle the undetained runoff from the developable area and route it to the stormwater detention ponds planned and this was consistent with the 1993 plan. He noted the Berlowitz Regulated Drain Watershed Master Plan was located immediate south of this watershed. I65 would be crossed at two locations for each watershed. He noted the *total developable acreage for both watersheds was 680 acres* that would not require individual stormwater detention facilities for separate projects within those watersheds. Responding to Dave Byers inquiry, new projects developed within these watersheds would be required to pay a onetime regional stormwater detention facility storage fee. Any new developments would be required to obtain the Drainage Board's approval at time of development. Responding to David Byers inquiry, the Surveyor noted as the ground was developed the original clay drain tiles would be vacated. He noted meetings had been held with landowners within the watersheds (Alexander Ross and J. Berlowitz) and they were in favor of the master plans. Mr. Rosenthal, landowner representing the majority of the property north of McCarty Lane was in favor of the plan and excited for the opportunities forthcoming. Utilizing GIS he reviewed the distinct line of new development which was located at the watershed boundaries of the Alexander Ross, S.W. Elliott and the Julius Berlowitz Regulated Drains. A. Ross watershed was located north of McCarty Lane, J. Berlowitz in between McCarty Lane and Haggerty Lane and the Branch #11 of the S.W. Elliott south of Haggerty Lane and north of SR38. The reconstruction of Branch #11 of the Elliott Drain and the two master plans tie everything together from SR38 to SR26 and west of Veterans Memorial Parkway. He noted the total amount of developable ground was over 700 acres. This would also create the possibility of extending Park East Boulevard to SR38, adding another thoroughfare. All three projects, Berlowitz Master Plan, Alexander Ross Master Plan and the reconstruction of Branch #11 of the S.W. Elliott Regulated Drain were tied together. He stated a portion of the Build Tippecanoe monies have been delegated for these plans. At the beginning of 2017 he stated he would start coordinating with INDOT for the installation of the pipe under the interstate. Design plans for intermediate and final outcome and the estimates for planned infrastructure were forthcoming. There was no public comment. Thomas Murtaugh made a motion to approve the Alexander Ross Regulated Drain Master Plan /Resolution #2016-02-DB. David Byers seconded the motion. Motion carried.

Waples McDill #85 Reconstruction Assessment Financial Assistance/Jennifer Weston Treasurer

Jennifer Weston, Treasurer of Tippecanoe County, approached the board to discuss the Waples McDill #85 Reconstruction Assessment Financial Assistance fund availability and submit a contract received by her office for approval by the Board. She referred to the Board Attorney for explanation of the process regarding the reconstruction financial assistance for landowners within the watershed. Attorney Masson stated the financial assistance program was approved by the Drainage

Board and ratified by the Commissioners as well with Resolution #2016-01-DB. This resolution established the Reconstruction Financial Assistance Program in March 2016 by the Board. (See March 3, 2016 Drainage Board Minutes for a detailed explanation of the program and process). Landowners benefited by the Waples McDill Regulated Drain Reconstruction were eligible for the program. The reconstruction was completed and the assessments set. The County Treasurer sent out the reconstruction billing with cover letters explaining the three options available to the benefited landowners for paying their reconstruction (only) assessments. This particular option was a five (5) year payment plan with a 5% interest rather than the statutory 10% interest by Drainage Code. Part of the requirement for the five (5) % option was the landowner must sign a contract with the County Drainage Board. To date, the Treasurer had received one contract from benefited landowner-Kathryn Wilcox. He stated the Board's action today was to formally approve the contract as submitted. He explained the landowner must pay for recording the contract in full (required by Resolution). A claim should then be submitted to the Auditor to pay the assessment from the newly established fund into the fund from which reconstruction costs were paid in full. (Generally the General Drain Improvement Fund) Thus paying the landowner's reconstruction assessment in full and in return the landowner pays the County an annual 5 % interest on repayment over a five (5) year period. Today's board action called for approval of the contract received back from benefited landowner Kathryn Wilcox.

Treasurer Jennifer Weston stated the reconstruction's billing was sent out approximately a month ago. Landowners were given 60 days to enter into the agreement contract if so desired. She noted the total assessment on two parcels owned by Kathryn Wilcox was over \$52,000 and would be billed out over the five year period at the rate of 5% interest as reflected by Resolution 2016-01-DB. She noted it was a savings to the landowner of approximately \$2,600 over the life of the contract. To date the Treasurer has received a total of \$38,000 reconstruction assessments for the Waples McDill Drain Reconstruction since billing was sent out by her office.

The Surveyor reminded the Board the Resolution was a result of landowners asking for reconstruction payment alternatives due to the current day high cost of reconstructions. This was the first drain reconstruction and contract received this fund would be utilized for. He stated the said fund had not been set up to date. He anticipated this fund would be established after the first of the year. The Secretary was coordinating with the Auditor Office and they were fully aware of the need. The Auditor Office planned to establish the fund after the first of the year (2017). The Surveyor stated he thought the setup of the said Assistance Fund and the monies to be included within the fund was handled during the 2017 Council budget proceedings for his office. The Attorney stated since the assistance fund had not been set up to date, the contract should be tabled until the January or February 2017 meetings of the Board. The amounts billed out to the landowners were not due until May and November of 2017. This would allow the Secretary to confirm the steps which may be required to setup the fund. The Surveyor stated he agreed with the Attorney. Thomas Murtaugh made a motion to table the submitted Waples McDill #85 Regulated Drain Reconstruction Assistance Fund Assessment Contract with Kathryn Wilcox until the January meeting. David Byers seconded the motion. Motion carried. Attorney Masson directed the Treasurer to speak with the Auditor to determine whether to hold the check (due to minimal amount) or deposit prior to the upcoming meeting. If the check was deposited the County would pay the recording fee for said contract.

Zach Beasley/Other Business

S.W. Elliott Branch #11 Reconstruction Settlement Agreement/Brand Properties

The Surveyor stated this was an agreement settled between the Drainage Board and properties owned by Jerry Brand. He referred to the Attorney for explanation. The attorney noted the Brand properties own several developed and undeveloped parcels within the S.W. Elliott Regulated Drain Branch #11 watershed. The settlement agreement involved these said parcels. A title transfer to the Drainage Board for the existing Haggerty Point Detention pond was finalized. The title for the Haggerty Detention facility (pond) was transferred to Tippecanoe County Drainage Board. The Board now owns the detention pond. F-Lake detention storage fees and Branch #11 reconstruction fees totaled approximately \$65,000. There was ambiguity on whether the reconstruction fees would have to be paid for these parcels. The reconstruction assessments were paid as negotiated. ***The current un-developed properties would be required to pay detention storage fees in the future upon development of the said properties.*** The agreement- if approved today- would bring the S.W. Elliott Regulated Drain Branch #11 Reconstruction to completion. There was no public comment. David Byers made a motion to approve the agreement as presented by the Attorney. Thomas Murtaugh seconded the motion. Motion carried.

Petition to Encroach S.W. Elliott #100-Treece Meadows Branch

The Surveyor presented the Petition to encroach S.W. Elliott #100-Treece Meadows Branch submitted by Vectren Energy. The Surveyor noted a gas line would be constructed under the two open ditches on the north side of McCarty Lane, immediately east of Creasy Lane. He recommended approval. David Byers made a motion to approve the Petition to

Board and ratified by the Commissioners as well with Resolution #2016-01-DB. This resolution established the Reconstruction Financial Assistance Program in March 2016 by the Board. (See March 3, 2016 Drainage Board Minutes for a detailed explanation of the program and process). Landowners benefited by the Waples McDill Regulated Drain Reconstruction were eligible for the program. The reconstruction was completed and the assessments set. The County Treasurer sent out the reconstruction billing with cover letters explaining the three options available to the benefited landowners for paying their reconstruction (only) assessments. This particular option was a five (5) year payment plan with a 5% interest rather than the statutory 10% interest by Drainage Code. Part of the requirement for the five (5) % option was the landowner must sign a contract with the County Drainage Board. To date, the Treasurer had received one contract from benefited landowner-Kathryn Wilcox. He stated the Board's action today was to formally approve the contract as submitted. He explained the landowner must pay for recording the contract in full (required by Resolution). A claim should then be submitted to the Auditor to pay the assessment from the newly established fund into the fund from which reconstruction costs were paid in full. (Generally the General Drain Improvement Fund) Thus paying the landowner's reconstruction assessment in full and in return the landowner pays the County an annual 5 % interest on repayment over a five (5) year period. Today's board action called for approval of the contract received back from benefited landowner Kathryn Wilcox.

Treasurer Jennifer Weston stated the reconstruction's billing was sent out approximately a month ago. Landowners were given 60 days to enter into the agreement contract if so desired. She noted the total assessment on two parcels owned by Kathryn Wilcox was over \$52,000 and would be billed out over the five year period at the rate of 5% interest as reflected by Resolution 2016-01-DB. She noted it was a savings to the landowner of approximately \$2,600 over the life of the contract. To date the Treasurer has received a total of \$38,000 reconstruction assessments for the Waples McDill Drain Reconstruction since billing was sent out by her office.

The Surveyor reminded the Board the Resolution was a result of landowners asking for reconstruction payment alternatives due to the current day high cost of reconstructions. This was the first drain reconstruction and contract received this fund would be utilized for. He stated the said fund had not been set up to date. He anticipated this fund would be established after the first of the year. The Secretary was coordinating with the Auditor Office and they were fully aware of the need. The Auditor Office planned to establish the fund after the first of the year (2017). The Surveyor stated he thought the setup of the said Assistance Fund and the monies to be included within the fund was handled during the 2017 Council budget proceedings for his office. The Attorney stated since the assistance fund had not been set up to date, the contract should be tabled until the January or February 2017 meetings of the Board. The amounts billed out to the landowners were not due until May and November of 2017. This would allow the Secretary to confirm the steps which may be required to setup the fund. The Surveyor stated he agreed with the Attorney. Thomas Murtaugh made a motion to table the submitted Waples McDill #85 Regulated Drain Reconstruction Assistance Fund Assessment Contract with Kathryn Wilcox until the January meeting. David Byers seconded the motion. Motion carried. Attorney Masson directed the Treasurer to speak with the Auditor to determine whether to hold the check (due to minimal amount) or deposit prior to the upcoming meeting. If the check was deposited the County would pay the recording fee for said contract.

Zach Beasley/Other Business

S.W. Elliott Branch #11 Reconstruction Settlement Agreement/Brand Properties

The Surveyor stated this was an agreement settled between the Drainage Board and properties owned by Jerry Brand. He referred to the Attorney for explanation. The attorney noted the Brand properties own several developed and undeveloped parcels within the S.W. Elliott Regulated Drain Branch #11 watershed. The settlement agreement involved these said parcels. A title transfer to the Drainage Board for the existing Haggerty Point Detention pond was finalized. The title for the Haggerty Detention facility (pond) was transferred to Tippecanoe County Drainage Board. The Board now owns the detention pond. F-Lake detention storage fees and Branch #11 reconstruction fees totaled approximately \$65,000. There was ambiguity on whether the reconstruction fees would have to be paid for these parcels. The reconstruction assessments were paid as negotiated. *The current un-developed properties would be required to pay detention storage fees in the future upon development of the said properties.* The agreement- if approved today- would bring the S.W. Elliott Regulated Drain Branch #11 Reconstruction to completion. There was no public comment. David Byers made a motion to approve the agreement as presented by the Attorney. Thomas Murtaugh seconded the motion. Motion carried.

Petition to Encroach S.W. Elliott #100-Treece Meadows Branch

The Surveyor presented the Petition to encroach S.W. Elliott #100-Treece Meadows Branch submitted by Vectren Energy. The Surveyor noted a gas line would be constructed under the two open ditches on the north side of McCarty Lane, immediately east of Creasy Lane. He recommended approval. David Byers made a motion to approve the Petition to

encroach on the S.W. Elliott #100-Treece Meadows Branch as submitted by the Surveyor. Thomas Murtaugh seconded the motion. Motion carried.

Petition to Partially Vacate the Fred Haffner #34 Regulated Drain

The Surveyor presented a Petition to partially vacate the Fred Haffner#34 Regulated Drain submitted by TBIRD Design Services. He noted the petition regarded the Tippecanoe Development II LLC project immediately north of CR 600NBorth and immediately west of the Battleground Middle School. He recommended approval to the Board. Thomas Murtaugh made a motion to grant approval of said petition as presented by the Surveyor. David Byers seconded the motion. Motion carried.

Petition for Reconstruction Marion Dunkin #25 Regulated Drain

The Surveyor presented a Petition for reconstruction Marion Dunkin #25 Regulated Drain submitted to him by Mr. Clark Howey for acceptance by the Board. He noted this drain watershed included approximately 1700 acres. It was located in the southwest portion of the county southwest of the intersection of CR's 700 West and 800 South. He noted this reconstruction would be costly and would qualify for the assessment financial assistance program. David Byers made a motion to accept the Petition for Reconstruction on the Marion Dunkin #25 Regulated Drain as presented by the Surveyor. Thomas Murtaugh seconded the motion. Motion carried.

Bonds:

Hawthorne Lakes Sec. 4- Maintenance Bond #106597473

The Surveyor presented Maintenance Bond #106597473 written by Travelers Insurance in the amount of \$14,886 and submitted by Fairfield Contractors regarding the Hawthorne Lakes Section Four project for approval by the Board. David Byers made a motion to approve Maintenance Bond #106597473 for Hawthorne Lake Section Four as presented by the Surveyor. Thomas Murtaugh seconded the motion. Motion granted.

West Lafayette Apostolic Christian Church- Performance Bond#41355475

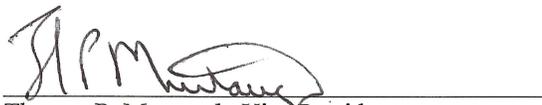
The Surveyor presented Performance Bond #41355475 written by Aspen Inc./Platte River Ins. Company in the amount of \$30,600 regarding the West Lafayette Apostolic Christian Church project for approval by the Board. David Byers made a motion to approve Performance Bond #41355475 for West Lafayette Apostolic Christian Church as presented by the Surveyor. Thomas Murtaugh seconded the motion. Motion granted.

Public Comment

There was no public comment. David Byers made a motion to adjourn. The meeting was adjourned.



Tracy Brown, President



Thomas P. Murtaugh, Vice President



David S. Byers, Member



Brenda Garrison, Secretary

TIPPECANOE COUNTY DRAINAGE BOARD

RESOLUTION NO. 2016 - 02 -DB

*RESOLUTION APPROVING ALEXANDER ROSS
REGULATED DRAIN 2016 MASTER PLAN REPORT*

WHEREAS, in 1993, a master plan for the Alexander Ross watershed drainage area was developed which master plan included two regional stormwater ponds;

WHEREAS, one of the two regional stormwater ponds contemplated by the 1993 master plan has been constructed;

WHEREAS, the exact location and shape of the second regional stormwater pond to serve the Alexander Ross drainage area was not determined in the 1993 master plan;

WHEREAS, Christopher B. Burke Engineering, LLC has developed the Alexander Ross Regulated Drain 2016 Master Plan Report guided by the following four goals:

- 1) Plan a regional detention facility that is consistent with the 1993 master plan for the entire Alexander Ross Watershed drainage area;
- 2) Incorporate post-construction stormwater quality measures at the regional scale so that future development does not have to address it on each individual lot;
- 3) Plan storm water collection systems, roads, sanitary sewers and water; and
- 4) Utilize low impact development principles and green infrastructure practices to manage storm water;

WHEREAS, the Alexander Ross Regulated Drain 20 16 Master Plan Report has been presented to the Tippecanoe County Drainage Board;

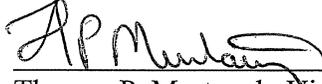
NOW THEREFORE BE IT RESOLVED that the Alexander Ross Regulated Drain 2016 Master Plan Report is hereby approved.

PASSED AND ADOPTED THIS 7th day of Dec, 2016.

TIPPECANOE COUNTY DRAINAGE BOARD



Tracy A. Brown, President

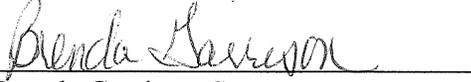


Thomas P. Murtaugh, Vice President



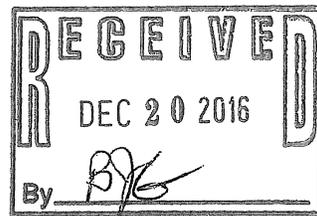
David S. Byers, Member

ATTEST:



Brenda Garrison, Secretary

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AGREEMENT

This Agreement is by and between the Tippecanoe County Drainage Board ("Drainage Board") and Haggerty Point I, Haggerty Point II, Haggerty Point III, and L.B. Associates by and through their authorized representative, Jerry A. Brand ("Brand").

WHEREAS, the Brand entities own land in watersheds of the F-Lake Regional Detention Basin ("F-Lake") and Branch 11 of the S.W. Elliott Regulated Drain ("Branch 11") in Tippecanoe County, Indiana;

WHEREAS, the Surveyor of Tippecanoe County and the Drainage Board have assessed fees and indicated that fees would be assessed in the future against the land owned by the Brand entities for the Branch 11 reconstruction and for detention of water in the F-Lake Regional Detention Basin;

WHEREAS, prior to being able to access F-Lake and prior to the Branch 11 reconstruction, the Brand entities constructed a wet detention basin ("Haggerty Pond") on their own land;

WHEREAS, the Branch 11 reconstruction makes use of Haggerty Pond to the benefit of the watershed generally resulting in a savings to the overall reconstruction cost;

WHEREAS, Brand questions whether the full value of the use of and impact to the land in and around Haggerty Pond was reflected in the reconstruction proceedings;

WHEREAS, under the terms of the Branch 11 Reconstruction Order, the timing of Brand's obligations to pay some of the reconstruction assessments would be uncertain in the absence of this agreement; and

WHEREAS, the Surveyor and the Drainage Board have requested that Brand execute documents transferring title of Haggerty Pond to Tippecanoe County;

THE PARTIES NOW THEREFORE AGREE AS FOLLOWS:

1. Brand or the Brand entities shall pay Tippecanoe County \$64,568.76 within 60 days of the date of this agreement.
2. Brand or the Brand entities shall execute a quitclaim deed transferring title for Haggerty Pond to Tippecanoe County within 60 days of this agreement.
3. Payment of \$64,568.76 and transfer of the title to Haggerty Pond shall constitute satisfaction in full of the F-Lake detention fees and Branch 11 reconstruction fees that may otherwise be owed for the following parcels ("Brand Properties"):

Owner	Parcel	Acres
Haggerty Point I & II	79 11-01-101 005.000-037	4.4
Haggerty Point I & II	79 11-01-101 006.000-037	4.5
Haggerty Point III	79 11-01-101 007.000-037	4.4
LB Associates	79 11-01-101 001.000-037	4.5
LB Associates	79 11-01-101 003.000-037	5.0

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LB Associates	79 11-01-101 004.000-037	5.3
LB Associates	79 11-02-226 001.000-037	17.4

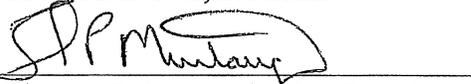
4. The Brand Properties are permitted to continue discharging water into Haggerty Pond: a) for the currently developed parcels (the Haggerty Point I&II and Haggerty Point III parcels as listed in ¶3), at the volumes and rates as are being discharged on as of the date of this agreement and, b) for the currently vacant lots (the LB Associates parcels as listed in ¶3), at the volumes and rates as are currently being discharged and in such additional amounts as approved in the September 29, 2005, Memorandum from David Eichelberger to Steve Murray concerning Haggerty Pointe and approved at the October 5, 2005, meeting of the Drainage Board. Additionally, the Brand Properties are permitted to discharge such additional volumes and rates into Haggerty Pond as are permitted under the Tippecanoe County Drainage Ordinance and other applicable legal authority.

AGREED:

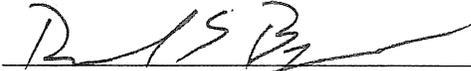
TIPPECANOE COUNTY DRAINAGE BOARD:


 Tracy A. Brown, President

Dec. 7th 2016
 Date

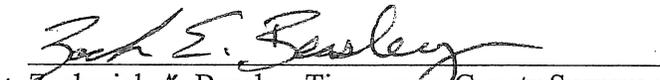

 Thomas P. Murtaugh, Vice-President

Dec. 7th 2016
 Date


 David S. Byers, Member

Dec. 7th 2016
 Date

ATTEST:

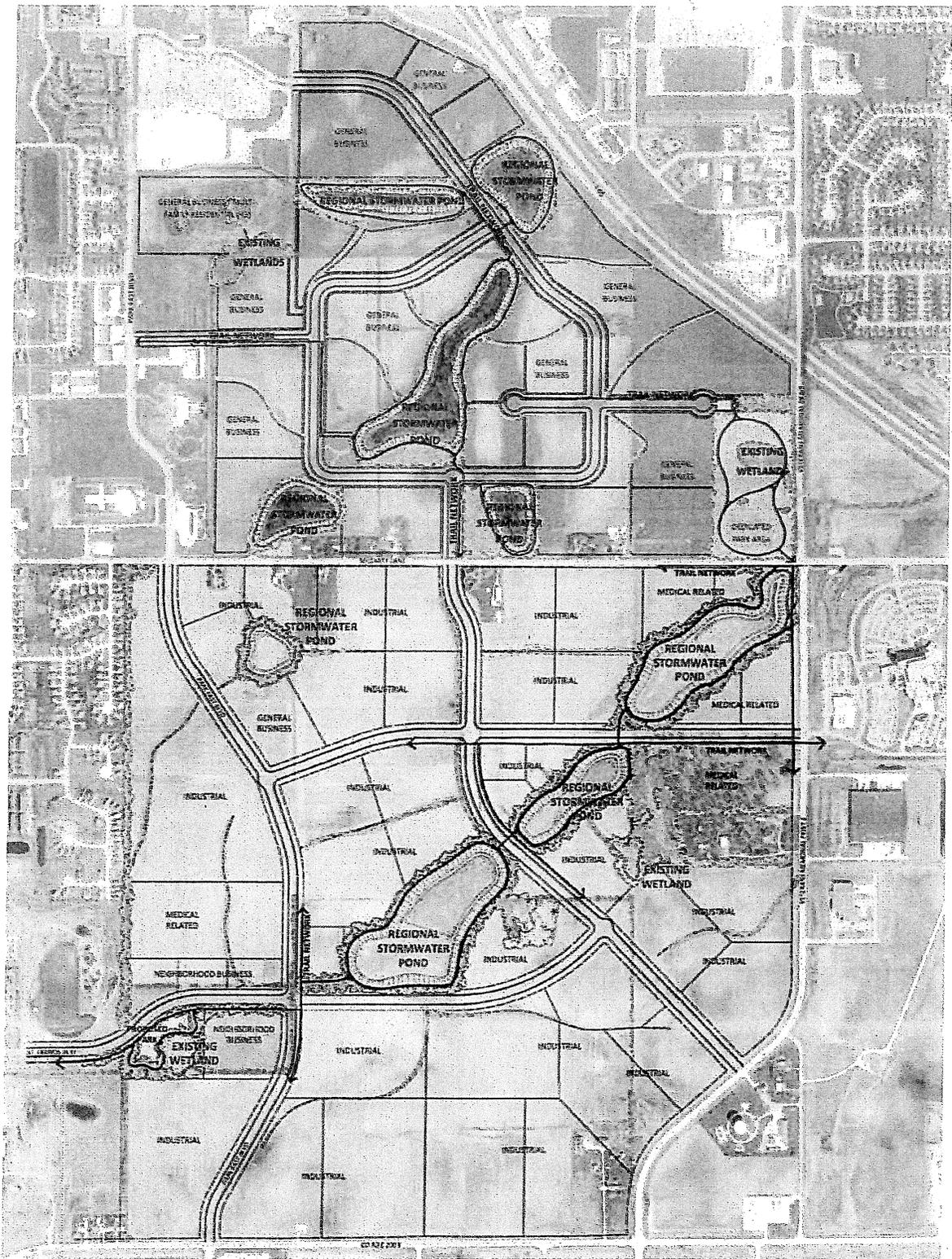

 Zachariah A. Beasley, Tippecanoe County Surveyor
 E.

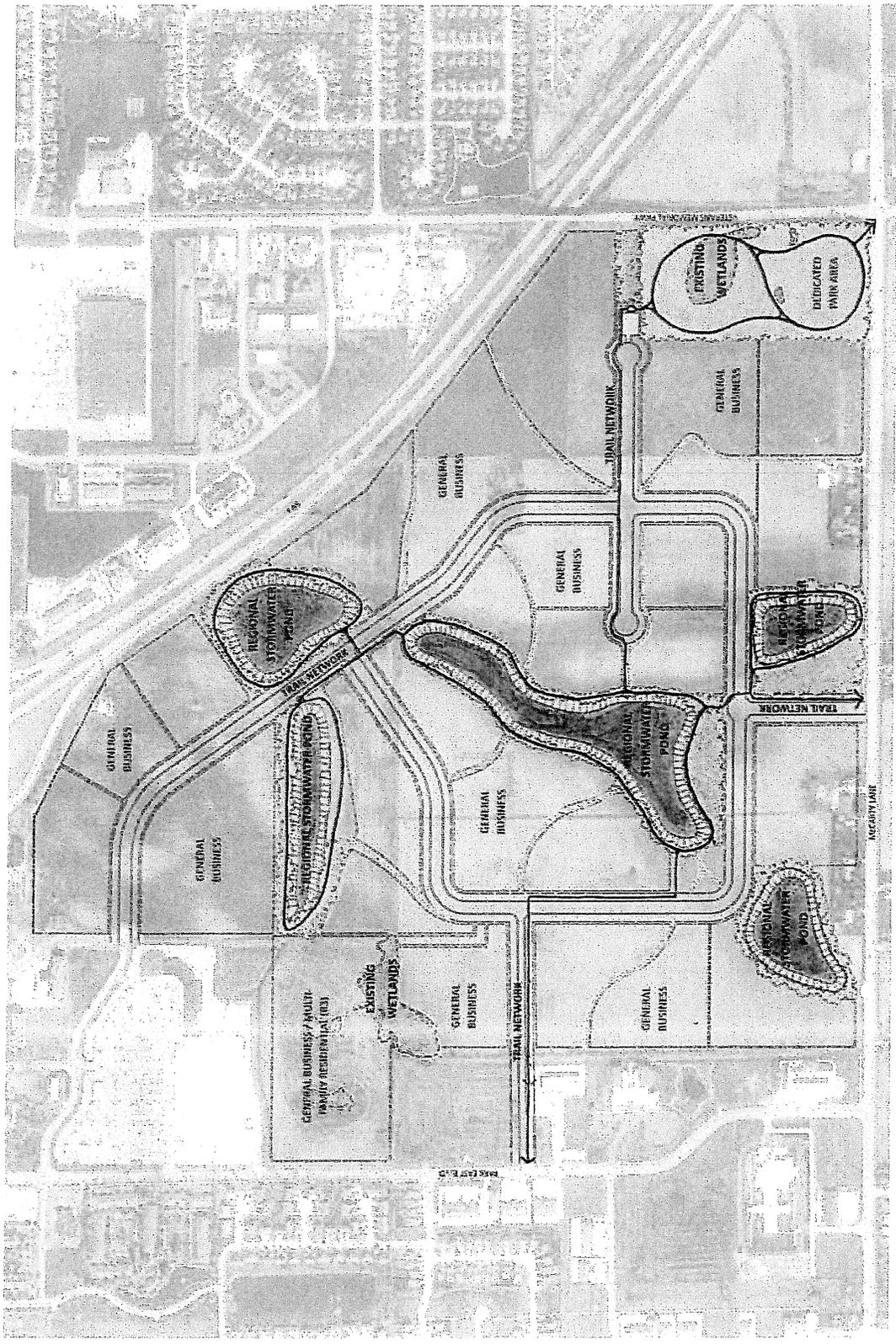
Dec. 7th 2016
 Date

HAGGERTY POINT I
 HAGGERTY POINT II
 HAGGERTY POINT III
 L.B. ASSOCIATES


 By Jerry A. Brand

Date: 12/12/16





ALEXANDER ROSS
COUNTY REGULATED DRAIN
MASTER PLAN



DATE: 05-2016

Tippecanoe County Drainage Board
February 1, 2017
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board Vice President David S. Byers, member Tracy Brown, 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. President Thomas P. Murtaugh was absent.

Approval of Minutes

Tracy Brown made a motion to approve the January 4, 2017 regular Drainage Board Minutes as written. David Byers seconded the motion. Motion carried.

Franklin Yoe #90 Regulated Drain/ G. Swanson #76 Regulated Drain Maintenance Bid(s) Opening

David Byers referred to the Attorney for the reading of the submitted bids regarding the Franklin Yoe #90 Regulated Drain and the G. Swanson #76 Regulated Drain Maintenance Projects. Attorney Masson read the following:
Regarding the Gustav Swanson Regulated Drain #76 Maintenance Project the bids were as follows:
Tony Garriott submitted a bid in the amount of \$49,595.80; ADI submitted a bid in the amount of \$14,594.00; Huey Excavating submitted a bid in the amount of \$24,672.00

Attorney Masson recommended the bids be taken under advisement. Tracy Brown made a motion to take the submitted bids under advisement. Once bids were reviewed for compliance by the Surveyor's office Project Manager, the Gustav Swanson #76 Maintenance Project bid could be awarded at the end of the meeting. David Byers seconded the motion. Motion carried.

Attorney Masson read the Franklin Yoe Regulated Drain #90 Maintenance Project bids as follows:
ADI submitted a bid in the amount of \$18,563.00; Tony Garriott submitted a bid in the amount of \$33,234.56 Attorney Masson recommended the bids be taken under advisement. Tracy Brown made a motion to take the submitted bids under advisement. Once the bids were reviewed for compliance by the Surveyor's office Project Manager, the Franklin Yoe #90 Maintenance Project bid could be awarded at the end of the meeting. David Byers seconded the motion. Motion carried.

Drainage Board 2017 Professional Engineering Assistance Contract

David Byers referred to the Surveyor regarding presentation of the 2017 Drainage Board Professional Engineering Assistance Contract. Surveyor Beasley noted he as well as Attorney Masson had reviewed the contract. He stated contract's rates had not changed from the past 3-4 years and he saw no additional changes. He recommended approval by the Board. Responding to Tracy Brown's inquiry, the Surveyor stated this was indeed at a cost savings to the county. He had previously in years past reviewed this issue. The cost for the services was approximately \$75,000 annually versus a minimum of \$130,000 cost for the exact work by an office staff member. Tracy Brown made a motion to approve the Drainage Board Engineering Assistance Contract as presented by the Surveyor. David Byers seconded the motion. Motion carried.

Lafayette YMCA

David Buck from BFS appeared before the Board to present the Lafayette YMCA for drainage approval. The site was located within the City of Lafayette at the existing Point East Mobile Home Park. The Board would review this project today for drainage purposes only. Mr. Buck stated a Petition to reduce the drainage easement on the S.W. Elliott Branch #13 was submitted for approval as well. The reduction in the drain maintenance easement would leave a 30 foot easement for maintenance of said branch. He noted they had received the January 12, 2017 Burke memo and was in agreement with the conditions as noted. He requested approval at that time for both the Petition and the project's drainage.

The Surveyor stated the Board's actions today were to approve the aforementioned Petition and the project's drainage only. He noted the project site drained to Branch #13 of the S.W. Elliott drain and continued southwest along Creasy Lane and eventually to the F-Lake Detention Basin. He recommended approval to the Board for the Petition to Reduce the Easement on the S.W. Elliott Branch #13 Drain as well as approval per the January 12, 2017 Burke memo recommendation. Tracy

presented. David Byers seconded the motion. Motion carried. Tracy Brown then made a motion to approve the Lafayette YMCA per the January 12, 2017 Burke memo recommendations. David Byers seconded the motion. Motion carried.

Belle Tire (Lot 4A 26 Crossing Subdivision)

Kyle Betz of Fisher and Associates appeared before the Board to request approval for the Belle Tire project. The site was located within the City of Lafayette and more specifically on Lot 4A in 26 Crossings Subdivision approximately ¼ mile from the interchange of I-65 and SR26. The site consisted of approximately 0.94 acres. This site was adjacent to the Alexander Ross Detention Basin. The site would drain entirely to the F-Lake detention facility. He stated they agreed with the January 25, 2017 Burke memo and requested approval for the project. The Surveyor stated the project had been reviewed and noted calculations were missing from their submittal. David Eichelberger stated calculations for the detention storage were not provided to date and that would need to be provided as soon as possible. The Surveyor agreed with the Consultant and reiterated those calculations should be provided and his recommendations were contingent on this. Mr. Betz agreed to review the report and provide those calculations to the Consultants as soon as possible. Tracy Brown made a motion to grant conditional approval as stated in the January 25, 2017 Burke memo. David Byers seconded the motion. Motion carried.

USGS Geological Stream Gages WREC Contract Support

Stan Lambert from Wabash River Enhancement Corp. (WREC) appeared before the Board to request financial and administrative support of the stream gages contract with the USGS Geological Services. He stated he was requesting to share the cost of the USGS Stream Gage Contract with the Tippecanoe County Partnership for Water Quality (TCPWQ). The streams were: Little Wea at Co. Rd. 800S, S.W. Elliott Ditch at old Romney Road and Little Pine Creek at Co. Rd. 850E with the contract covering the period of Jan. 23, 2017 through Sept. 30, 2017. He noted the data collected would be available on the USGS stream monitoring site on an hourly basis. This information was used as part of Water Quality monitoring by WREC and Purdue University. He noted Sara Peel from his office presented this to the TCPWQ and was given approval by their Board to go forward with support. The Surveyor stated he would review the TCPWQ Board minutes as the MS4 Coordinator to confirm the TCPWQ's intention was to contribute up to \$10,000.00 toward the overall cost of the contract. Tracy Brown made a motion to approve the contract amended \$10,000.00 amount as submitted with the condition the Surveyor as MS4 Coordinator confirms the TCPWQ support. David Byers seconded the motion. Motion carried.

Franklin Yoe#90 Regulated Drain/ G. Swanson #76 Regulated Drain Maintenance Bid(s) Award

Tracy Brown referred to Attorney Masson for the results of the submitted bids on the F. Yoe #90 and G. Swanson #76 Drain Maintenance Projects. Attorney Masson stated the bids were in order and the recommendation was to accept the low bid on each project. Tracy Brown made a motion to grant approval of the bid from ADI regarding the Gustav Swanson #76 and the F. Yoe Regulated Drain #90 Maintenance Projects as the low bidder on each project. David Byers seconded the motion. Motion carried.

2017 Classification Report/2017 Drain Assessment Activity Report

The Surveyor presented an active and inactive drain assessment list regarding county regulated drains with maintenance funds for approval by the Board. He reviewed the annual process for the Board. Tracy Brown made a motion to approve the Active Inactive Drain list as submitted by the Surveyor. David Byers seconded the motion. Tracy Brown made a motion to approve the 2017 Classification Report provided by the Surveyor. David Byers seconded the motion. Motion carried.

Zach Beasley/Other Business

Appointment of Drainage Board member to Tri-County Board

The Surveyor stated he was contacted by Benton County Surveyor David Fisher regarding the Sophia Brumm Joint Drain. The landowners have requested a joint meeting to discuss reconstruction of several lineal feet of the tile within the S. Brumm Drain watershed. The proposed time was February 21, 2017 at 10:00 a.m. at the Benton County Courthouse. An appointment from this Board was requested. David Byers noted there was a Commissioner Meeting at the same date and time. Tracy Brown made a motion to appoint Commissioner David Byers to the Sophia Brumm Tri-County Drainage Board as requested pending a new date and time is set due to conflict. David Byers seconded the motion. Motion carried.

Outstanding Reconstruction Assessments

The Surveyor informed the Board the five year reconstruction payment cycle was coming to a close on a few of the drain reconstruction projects. With that said there were a few landowners who had not paid any payments during this five year period. His understanding was these properties which had outstanding debt for the reconstruction of a drain should be included in the tax sale. He read Indiana Code 36-9-27-86 i.e. regarding the sale of the property due to outstanding drain

reconstruction assessments and referred to Attorney Masson for his direction. He stated he was seeking a recommendation from the Board to proceed as the code dictates in these situations. He noted financially, the deficit could adversely affect the General Drain Improvement Fund and future drain maintenance and reconstruction projects.

Attorney Masson clarified that only the land affected by the delinquency could be sold, that this was not a personal judgement but a liability which stayed with the land only. He would speak with the Auditor and Treasurer to clarify the issue and start utilizing the process in this county from which the code dictates. A lien on the property not the land would be sold. Attorney Masson would follow up on this issue and those landowners who may be affected by this code. He requested authorization to contact landowners who were affected by this regulation. He stated he would work with both the Treasurer and Auditor to set the process which this County can utilize to automatically go forward with the property lien sale when warranted. There was no public comment.

Tracy Brown made a motion to give authorization to the Attorney to begin the process by sending out delinquent reconstruction assessment letters to those landowners who were delinquent as well as listing them on the tax sale when appropriate. David Byers seconded the motion. Motion carried.

Tracy Brown made a motion to adjourn. The meeting was adjourned.

Below is the Surveyor's 2017 Classification Report less Exhibit A:

Classification of Drains

Per IC 36-9-27-34

February 2017

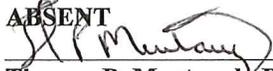
- 1.) Drains in need of Reconstruction
 - a. Elliott, S.W. (#100)
 - b. J.B. Anderson (#02) (Clarks Hill Portion)
 - c. Edwards (Not Maintained)
 - d. McBeth (Not Maintained)
 - e. F.E. Morin (#57)
 - f. Marion Dunkin (#25)
 - g. Huffman-Weimert (Not Maintained)
- 2.) Hearing and Rates Established in 2011, '12, '13, '14, '15 and 2016
 - a. Michael Binder (#10)
 - b. John Blickenstaff (#11)
 - c. Train Coe (#18)
 - d. Fred Haffner (#34)
 - e. E.F. Haywood (#35)
 - f. Mary Southworth (#73)
 - g. Franklin Yoe (#90)
 - h. Jess Dickens (#91)
 - i. Romney Stock Farm (#109)
 - j. John Hengst (#117)
 - k. Calvin Lesley (#48)
 - l. Audrey Oshier (#60)
 - m. Combs Ditch (#118)
 - n. Leader Newton (#115)
 - o. Thomas Ellis (#27)
 - p. John McFarland (#51)
 - q. Hester Mottsinger (#58)
 - r. J. Kelly O'Neal (#59)
 - s. Franklin Resor (#65)
 - t. Harrison Wallace (#82)
 - u. Eldora K. Lois (#119)
 - v. Frank Kirkpatrick (#45)
 - w. Elijah Fugate (#30)
 - x. Mary McKinney (#52)
 - y. Harrison Meadows (#37)
 - z. Shepherds Point (#121)

- aa. James Kellerman (#42)
 - bb. Alonzo Taylor (#77)
 - cc. Clymer Norris (#122)
 - dd. Crist Fassnacht (#29)
 - ee. Peter Rettereth (#66)
 - ff. Ann Montgomery (#56)
 - gg. Gustav Swanson (#76)
 - hh. Nathaniel W. Box (#12)
 - ii. Lydia Hopper (#124)
 - jj. Amanda Kirkpatrick (#44)
 - kk. John McLaughlin (#97)
 - ll. Martin Erwin (#28)
 - mm. Waples McDill (#85)
- 3.) Urban Drains
(I.C. 36-9-27-68 Urban Drains are classified as in need of Reconstruction)
- a. S.W. Elliott (#100)
 - b. Julius Berlowitz (#8) (Include Filbaum)
 - c. Alexander Ross (#48)
 - d. Cuppy McClure
- 4.) Drains in need of Periodic Maintenance
Please see attached sheet-Exhibit A
- 5.) Insufficient Maintenance Funds
- a. E.W. Andrews (#03)
 - b. Floyd Kerschner (#43)
 - c. F.E. Morin (#57)
 - d. John Saltzman (#70)
 - e. Ray Skinner (#71)
 - f. Abe Smith (#72)
 - g. Joseph Sterrett (#74)
 - h. William Stewart (#75)
 - i. John Toohey (#79)
 - j. John Vannatta (#81)
 - k. Suzanna Walters (#83)
 - l. J.B. Anderson (#02)
 - m. Dismal Creek (#93)
 - n. Moses Baker (#114)
 - o. Grant Cole (#19)
 - p. Shawnee Creek (#94)
 - q. Kirkpatrick One (#96)
- 6.) Proposed Drains for hearing in the near future / Request these drains be referred to Surveyor for preparation of Maintenance Report)
- a. Andrew Brown (#13)
 - b. F.E. Morin (#57)
 - c. Parker Lane (#61)
 - d. John Vannatta (#81)
 - e. Dismal Creek (#93)
 - f. Beutler Gosma (#95)
 - g. Jacob Taylor (#78)
 - h. E.W. Andrews (#03)
 - i. Suzanna Walters (#83)
 - j. Jesse B. Anderson (#02)
 - k. Floyd Kerschner (#43)
 - l. Joe Sterrett (#74)
 - m. Moses Baker (#114)
 - n. Grant Cole (#19)
 - o. Shawnee Creek (#94)
 - p. Kirkpatrick One (#96)
 - q. John Saltzman (#70)

- r. Ray Skinner (#71)
 - s. Abe Smith (#72)
 - t. William Stewart (#75)
 - u. John Toohey (#79)
- 7.) Drain Assessments recommended to be raised 25% starting May 2015
No Maintained Regulated Drains Applicable in 2017
 - 8.) Petition for New Regulated Drain referred to Surveyor
 - a. Huffman Weimert Drain (Town of Buck Creek)
 - 9.) Existing Drains referred to Surveyor for Report
 - a. Julius Berlovitz(#08) (Remaining Phases)
 - b. F.E. Morin (#57)
 - c. Huffman Weimert (Not Maintained)
 - d. Marion Dunkin (#25)
 - 10.) Drain that should be vacated
 - a. That portion of the Felbaum Branch (Part of Julius Berlovitz #08 Regulated Drain) East of County Road 550East

Please see Classification of Drains- Exhibit Aon file in the Tippecanoe County Surveyor office and Office of the Tippecanoe County Auditor

ABSENT



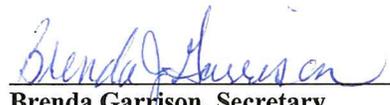
Thomas P. Murtaugh, President



David S. Byers, Vice President



Tracy Brown, Member



Brenda Garrison, Secretary

Tippecanoe County Drainage Board
March 1, 2017
Regular Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President Thomas P. Murtaugh, Vice President 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. Member Tracy Brown was absent.

Approval of Minutes

David Byers made a motion to approve the February 1, 2017 Drainage Board regular meeting minutes as written. Thomas Murtaugh seconded the motion. Motion carried.

Klondike and Lindberg Road Widening and Reconstruction

Jeremy Brodhacker of Strand Associates Inc. appeared before the Board to request approval of the Klondike and Lindberg Roads project. The Klondike Road reconstruction portion began at Lindberg Road and then north 1.5 miles to US 52. The Lindbergh road reconstruction portion began at Klondike road then east approximately 0.75 mile and east of Wakerobin Drive. The existing culverts were undersized; therefore they would be upsized to accommodate the current and additional stormwater conveyance reconstruction. Mr. Brodhacker stated INDOT's methodology was used to provide the hydraulically adequate structures for both the Klondike and Lindberg Road projects. He stated stormwater quality was provided per the Tippecanoe County Stormwater Ordinance. In total there were six (6) culverts which would be upsized and improved. Analysis of the downstream conveyance was provided within a report to the Surveyors office. He requested approval by the Board at that time. The Surveyor noted there was an existing concrete pipe which drained the trailer park area on Klondike Road just north of the Fire Station, in the Venetian Blinds area. He asked Mr. Brodhacker how this was dealt with during the design. Mr. Brodhacker confirmed a concrete pipe was located on the east side of Klondike Road immediately north of the Wabash Fire Station and routed along the west side of said road north to US 52 and discharged in the roadside ditch. Responding to David Byers inquiry, Mr. Brodhacker stated this pipe would be replaced and reconnected as part of this project. Mr. Brodhacker confirmed with the Surveyor that the storm sewer pipe within the road right of way at the Dollar General site was included to be upsized and would accommodate the additional storage capacity.

The Surveyor recommended conditional approval as stated on the February 22, 2017 Burke memo. There was no public comment. David Byers made a motion to grant approval with the conditions as stated on the February 22, 2017 Burke memo for the Klondike and Lindberg Road Widening and Reconstruction project. Thomas Murtaugh seconded the motion. Motion carried.

Lindberg Point Apartments

Andy Mix of Vester and Associates appeared before the Board to request approval of the Lindberg Point Apartments project. The site consisted of approximately 2.375 acres and was located on the northwest corner at the intersection of Klondike and Lindberg Roads. Mr. Mix noted, this was the last section of the overall Lindberg Village Development which was started in the late 1990s early 2000's. Due to the change in zoning for this tract, the curve number was lower than the assumed curve number in the overall original master plan. He noted the tract would direct release to an existing 30" storm sewer located along the north side of Lindberg Road. He stated there was a Duke Energy utility 75 feet easement located on the tract that restricted the design. Responding to Thomas Murtaugh's inquiry, Mr. Mix stated the site's access would be off Lindberg Road. Responding to David Byers inquiry, Mr. Mix stated the plans would not in any way impede the future roundabout planned at the aforementioned intersection. Mr. Mix stated during the design process, he worked with the County's consultant specifically regarding this issue. He asked for approval at that time. The Surveyor stated he would be meeting with Mr. Mix later today and would iron out most of the conditions on the Feb. 24, 2017 Burke memo. There were no variances requested and this project was part of the overall Lindberg Village Master Plan. The Surveyor recommended approval with the conditions as stated on the Feb. 24, 2017 Burke memo.

There was no public comment. David Byers made a motion to grant approval with conditions as stated on the February 24, 2017 Burke memo for the Lindberg Point Apartments. Thomas Murtaugh seconded the motion. Motion carried.

Staybridge Suites Hotel

Pete Gensic from Gensic Engineering Inc. appeared before the Board to request approval for the Staybridge Suites Hotel project. The site was located on lots 26 and 27 within the 26 Crossing Subdivision east of the interchange of SR26 and I 65 and totaled 2.44 acres overall. Mr. Gensic stated the project was located within the City of Lafayette as such the presentation to the Drainage Board was to obtain permission to outlet into the Alexander Ross Regulated Drain system. Stormwater quality (Sediment trap inlets) measures were taken throughout the site prior to outletting into the Alexander Ross Regional Detention Facility. Mr. Gensic stated the owner was aware of the stormwater storage fees associated with stormwater detention storage use of the Alexander Ross Regional Detention Facility and agreed to pay the fees associated with it. The Surveyor requested the emergency routing be reviewed as designed so a portion could possibly be routed to the street and a portion possibly to I65 for public safety reasons. Mr. Gensic agreed to review this.

The Surveyor then recommended approval for the Staybridge Suites Hotel site's discharge to the Alexander Ross Regional Detention Facility with the conditions as listed on the February 21, 2017 Burke memo. David Byers made a motion to grant approval with the conditions as stated on the February 21, 2017 Burke memo. Thomas Murtaugh seconded the motion. Motion carried.

Zach Beasley / Other Business

Drain Maintenance/General Drain Improvement Funds Interest

The Surveyor stated historically the drain maintenance funds have earned interest. The individual drain fund totals are pooled together into one fund titled Drain Maintenance Fund and that fund earns interest monthly. As one lump sum, the General Drain Improvement fund earns monthly interest as well. However interest earned by the Drain Maintenance Fund should be broken down into each individual fund within that account so that the individual fund is credited with its own earned interest. The last few years this has not taken place. He stated the following: Quote: " IC 36-9-27-113 Investment of funds; consolidation; credit of interest earned- Sec. 113 (a) For the purpose of investment, the county treasurer may consolidate part or all of the money in any fund established under this chapter with the money in any other fund established under this chapter or other money held by the county treasurer. (b) Unless the invested money is from a maintenance fund established under section 44 of this chapter, the county treasurer shall credit interest from an investment of a fund created under this chapter to that fund. (c) The county treasurer may credit interest earned from an investment of a maintenance fund established under section 44 of this chapter into the general drainage improvement fund established under section 73 of this chapter. (d) Within an account, the county treasurer may credit interest to particular drainage accounts in any fair and rational manner. "Unquote The Surveyor stated while the interest is being earned, it had not been divided between the individual drain maintenance funds in the last few years and he feels this should be done. He stated he did not care what office did the work; he felt the individual funds should get the interest the individual fund total permits. Discussion was held between the Board members and the Surveyor regarding the issue. Interest would be split up proportionately by the balances in the individual drain maintenance funds.

The Surveyor requested official action be directed by the Board. David Byers made a motion that the Surveyor's office takes care of proportioning out the interest as collected monthly between the individual drain maintenance funds. Thomas Murtaugh seconded the motion. Motion carried.

F.E. Morin #57 Regulated Drain

The Surveyor requested a Hearing date of May 3, 2017 for the Reconstruction Hearing of the F.E. Morin #57 Regulated Drain. David Byers made a motion to set a date of May 3, 2017 and immediately after the Regular Drainage Board Meeting to hold a Landowner Reconstruction Hearing for the F.E. Morin #57 Regulated Drain. Responding to David Byers, the Surveyor confirmed there was a Tri-County Drainage Board meeting that day already scheduled for the John McLaughlin Regulated Tri-County Drain. He requested the F.E. Morin Reconstruction Hearing be held after the Drainage Board Regular meeting and before the Tri-County landowner meeting.

David Byers made a motion to hold a F.E. Morin Reconstruction Hearing on May 3, 2017 after the Drainage Board Regular meeting and before the Tri-County landowner meeting previously scheduled. Thomas Murtaugh seconded the motion. Motion carried.

Grant Cole #19 and Moses Baker#114 Regulated Drains

The Surveyor requested a Maintenance Hearing for June 7, 2017 regarding the Grant Cole #19 and Moses Baker #114 Regulated Drains to be held immediately after the regular scheduled meeting that day. David Byers made a motion to hold Maintenance Hearings on June 7, 2017 immediately after the regular scheduled meeting for the Grant Cole #19 and Moses Baker #114 Regulated Drains. Motion carried.

F. Yoe #90 and G. Swanson #76 Regulated Drains Maintenance Work Update

The Surveyor stated the contractor A.D.I. was finishing up the maintenance work on the F. Yoe Regulated Drain and would be moving on to the G. Swanson Regulated Drain thereafter.

As there was no public comment David Byers made the motion to adjourn. The meeting was adjourned.



Thomas P. Murtaugh, President



David S. Byers, Vice President



Brenda Garrison, Secretary



Tracy Brown, Member

Tippecanoe County Drainage Board

June 7, 2017

Grant Cole#19 Regulated Drain Landowner Hearing Minutes

Those present were:

Tippecanoe County Drainage Board President Thomas P. Murtaugh, Vice President David S. Byers, member Tracy Brown, County Surveyor Zachariah Beasley, Drainage Board Attorney Mathew Salisbury, Drainage Board Secretary Brenda Garrison. Evan Warner-G.I.S. Technician and James Butcher-Project Manager, both with the Surveyor Office, were also in attendance.

President Thomas Murtaugh opened the hearing and referred to Surveyor Beasley for his report. The Surveyor read his report as follows: Maintenance Report on the Grant Cole #19 Regulated Drain Tippecanoe County Drainage Board April 11, 2017 The Grant Cole Regulated Drain #19 was originally established and built through the Tippecanoe County Superior Court Case No. 5942 in 1913. The drain and its watershed are located in Sections 14, 23,25 and 26, T24N and R5W in the political township of Wabash and Sections 13 and 24 T24N and R5W in the political township of Tippecanoe all being within Tippecanoe County, Indiana. The Grant Cole drain maintenance fund was established by the Tippecanoe County Drainage Board on the 2nd day of August, 1972. There are approximately 4200 lft of open ditch which begins at CR 600N and continues south to the Klemme South property line. There is approximately 9200 lft of main tile and 34,700 lft of Branch tile which is all to be maintained by this maintenance fund. The watershed contains 1045.19 acres. It is the judgement of the Tippecanoe County Surveyor that a sum of \$50,485.60 is needed to maintain and improve the existing tile and open ditch system. An assessment of \$6.00 per acre and a \$20.00 minimum over an eight (8) year period is recommended. This will generate \$51,063.55 over an eight (8) year period. It is the opinion of the Tippecanoe County Surveyor this rate increase will allow for the much needed open ditch clearing, dredging project and also ensure that monies will be generated for future maintenance on this system. Respectfully submitted by Zach Beasley, he referred to the Board for any questions. There were no questions from the Board.

Thomas Murtaugh asked for public comment. Dale Schelle 1304 West C.R.600North approached the Board. Mr. Schelle asked the Surveyor what his immediate plans were. The Surveyor responded he was approached about cleaning the open ditch from C.R. 600 North to the Klemme property line. Approximately 30% was cleared on the west side resulting from the request. He informed the landowners at that time in order to finish dredging the remaining portion; the maintenance rate would have to be raised. The remaining portion (approximately 70%) would be dredged and the open ditch would be added to the Open Ditch Spray Program. He explained historically the tiles have had major repairs. Recently a major tile repair west of C.R. 225W and south of C.R. 750N on the Hedrick property was completed. The maintenance rate needs to be raised in order to pay for future maintenance of the open ditch and the tile system. The Surveyor noted he would like to collect the maintenance assessment for a couple of years to build up the fund prior to completing the dredging. Mr. Schelle noted it had been at least 60 years since the open portion was dredged. Mr. Schelle stated this needed to be done years ago and he is for the rate increase. Responding to Thomas Murtaugh's inquiry, the Surveyor noted the current maintenance assessment rate was \$1.25 per acre with a \$6.25 minimum; the current rate would be raised to \$6.00 per acre with a \$20.00 minimum. There was no other public comment. Thomas Murtaugh referred to Attorney Salisbury.

Attorney Salisbury read the following into the record; Before the Tippecanoe County Drainage Board in the matter of the Grant Cole #19 Regulated Drain Findings and Order Annual Maintenance- This matter came to be heard upon the maintenance report and schedule of assessments prepared by the Tippecanoe County Surveyor and filed on April 11, 2017. The Certificate of Mailing of notice of time and place of hearing, to all affected landowners was filed. Notice of publication of time and place of hearing in the Journal and Courier, Lafayette Indiana was filed more than ten (10) days prior to the meeting. An objection was filed. Richard and Helen Hayden 5511 North 225 West, West Lafayette Indiana 47906 Evidence was presented by the Tippecanoe County Surveyor and many of those landowners affected were present. A list of those present is filed herewith. After consideration of all the evidence, the Board does now FIND THAT:

- (1) The maintenance report of the Tippecanoe County Surveyor and schedule of assessments were filed in the office of the Surveyor on April 11, 2017

- (2) Notice of filing of the maintenance report and the schedule of assessments and their availability for inspection and the time and place of this hearing was mailed to all those landowners affected more than thirty (30) and less than forty (40) days before the date of this hearing.
- (3) Notice of the time and place of this hearing was given by publication in the Journal & Courier newspaper of general circulation in Tippecanoe County, Indiana more than ten (10) days prior to this hearing.
- (4) The legal drain consists of 9200 lineal feet of open ditch. There is approximately 9200 lineal feet of main tile and 34,700 lineal feet of branch tile which is all to be maintained by this maintenance fund.
- (5) The present condition of the ditch is in need of repair.
- (6) The ditch needs the following maintenance at present: Clearing, Dredging of open ditch portion and tile replacement
- (7) There is now \$2,899.09 owed to the General Drain Fund for past maintenance on this ditch.
- (8) The ditch drains 1045.19 acres total.
- (9) Estimated annual cost of maintenance is \$6,382.94.
- (10) Estimated annual benefits the land drained exceeds repair and maintenance costs.
- (11) A fund for annual maintenance should be re-established.
- (12) In order to provide the necessary maintenance fund, the annual assessment per acre and lot benefited should be: \$6.00 per acre and a \$20.00 minimum collected over an eight (8) year period.
- (13) The assessment list filed herewith should not be amended.
- (14) The assessment list filed herewith is fair and equitable and should be adopted.
- (15) The assessment should be collected with the May 10, 2018 taxes.

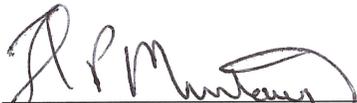
Now therefore it is ordered that:

- (1) A maintenance fund be re-established for the Grant Cole #19 Regulated Drain at the annual rate of \$6.00 per acre and \$20.00 minimum with an eight (8) year collection benefited.
- (2) The Schedule of Assessments filed herewith are adopted and made a part thereof.
- (3) The first annual assessment shall be collected with the May 10, 2018 taxes.

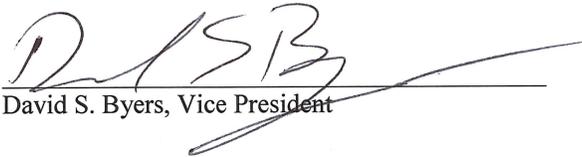
Dated at Lafayette, Indiana this 7th day of June 2017, County Drainage Board.

David Byers made a motion to approve the Findings and Order by the County Drainage Board for the Grant Cole #19 Regulated Drain. Tracy Brown seconded the motion. Motion carried.

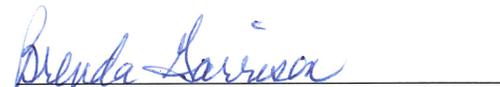
President Murtaugh concluded the hearing.



Thomas P. Murtaugh, President



David S. Byers, Vice President



Brenda Garrison, Secretary



Tracy Brown, Member

TIPPECANOE COUNTY DRAINAGE BOARD
November 1, 2017
Drainage Board Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President Thomas P. Murtaugh, Vice President David Byers, member Tracy Brown, County Surveyor Zachariah Beasley, Drainage Board Attorney Doug Masson, Engineering Consultant Lenny Noens from Christopher B. Burke Engineering LLC and Drainage Board Secretary Brenda Garrison. Evan Warner-G.I.S. Technician and James Butcher-Project Manager, both with the Surveyor Office, were also in attendance.

Approval of Oct 4, 2017 Drainage Board Meeting Minutes

David Byers made a motion to approve the October 4, 2017 Regular meeting minutes of the Drainage Board as written. Tracy Brown seconded the motion. Motion carried.

N.W. Box #12 /Marshall Branch Regulated Drain Dredging Contract

President Tracy Brown referred to the Attorney for the opening of the dredging contract bid regarding the N.W. Box #12 Regulated Drain. He read the bid as follows; Rick Sutton in the amount of \$30,082.51/ Tony Garriott in the amount of \$18,628.25/ Huey Excavating in the amount of \$24,888.00. The President thanked the bidders for their submittals and noted the Project Manager would check the submittals for compliance with the bid specifications. The Board would then award the bid at the end of this meeting.

All State Fastener

Randy Peterson of AbonMarche Consultants and Starr Associates appeared before the Board to present All State Fastener project for approval. The site was located south of US 52 at the southwest corner of Co. Rd. 400 South and Co. Rd. 500 East and consisted of approximately 10.24 acres. The first phase of the project (approximately 4 to 5 acres) would be the construction of a new facility along with parking, drives and an entrance off Co. Rd. 400 South. An overall plan consisted for the entire 10.24-acre site with future phases as well. This project was located within the J.N. Kirkpatrick drainage impact area which required a restricted release rate. Due to several factors underground detention was designed for this site. The emergency route was designed from the southwest corner toward US 52 and southerly to the newly extended J.N. Kirkpatrick Regulated Open Drain. He stated they agreed with the conditions as stated on the October 17, 2017 Burke memo and requested approval at that time. The Surveyor stated approval from INDOT and the County Highway Dept. as well as proof of easement to the JN Kirkpatrick drain outlet was required prior to onsite construction. The Surveyor recommended approval with conditions as stated on the October 17, 2017 Burke memo. There was no public comment. Tracy Brown made a motion to approve with conditions as stated on the October 17, 2017 Burke memo the All State Fastener project. David Byers seconded the motion. Motion carried.

Zach Beasley/Other Business

Maintenance Bonds:

The Surveyor presented the following Maintenance Bonds for acceptance by the Board: Maintenance Bond#1231748 submitted by Merritt Contracting for Concord Ridge Section 1 and written by the Cincinnati Insurance Company in the amount of \$39,011.53 additionally Maintenance Bond#1231749 submitted by Merritt Contracting for Avalon Bluffs Section 2 and written by the Cincinnati Insurance Company in the amount of \$10,966.82 for approval by the Board. David Byers made a motion to approve Maintenance Bond #1231748 for Concord Ride Section 1 and Maintenance Bond #1231749 for Avalon Bluffs Section 2 as submitted by Merritt Contracting and presented by the Surveyor to the Board. Tracy Brown seconded the motion. Motion carried.

Drain Projects:

The Project Manager stated the low bid for the N.W. Box#12/Marshall Branch Dredging Contract submitted by Tony Garriott followed the specifications. Tracy Brown made a motion to accept the Tony Garriott bid of \$18,628.25 for the N.W. Box Drain #12/Marshall Branch Dredging Project. David Byers seconded the motion. Motion carried.

**Drain Project (s) Update:
Upper Berlowitz Stormwater Interim Conveyance Project**

A site visit was conducted on the Berlowitz Upper End Stormwater Conveyance project. The location of the jobsite was between St. Elizabeth Hospital and Indiana University Hospital. Surveyor Beasley, Commissioners Tracy Brown and David Byers, along with Landowner Jerry Schmidt and his realtor Steve Shook toured the construction site and everything is on schedule except for the outlet pipe installation from the first pond to the southwest corner of McCarty Lane as the weather has been an issue lately and caused a bit of a setback. Other than this issue the project was moving along very well. He reminded the public this was a pilot channel.

Cox Vanderkleed Regulated Drain #127 Reconstruction Project

The Surveyor noted the Cox Vanderkleed reconstruction would be started the first part of next week. He noted the Cox Vanderkleed Reconstruction, the Upper Berlowitz construction, and the F.E. Morin Regulated Drain Reconstruction represented two agricultural and one urban drain reconstruction projects this year. He noted a total of 4 Urban Drains and approximately 33 miles of tile reconstruction projects have been completed since 2010.

There was no public comment.

David Byers made a motion to recess and reconvene after the Drain Maintenance Hearings scheduled to follow this meeting. Tracy Brown seconded the motion. Motion carried. The regular Drainage Board meeting would reconvene after the scheduled Drain Maintenance Hearings have been held.

Reconvened:

Harrison High School Tennis Complex

Pat Jarboe with TBIRD Design Services appeared before the Board to present the Harrison High School Tennis Complex project (ten court complex). The site was located at the east side of Co. Rd. 50 West between Co. Rd. 500 North and Co. Rd. 600 North and on the south side of the Grant Cole Regulated Drain and consisted of approximately 2.7 acres. He noted the School Corporation was relocating the tennis courts to south of the Grant Cole Drain. Due to multiple detention ponds etc. onsite, he requested the approval to combine the multiple drainage projects into one. He stated they conferred with the October 27, 2017 Burke memo and were currently in the process of receiving a DNR (Department of Natural Resources) permit for construction within a floodway for the access walkway. He noted nonnative species would be removed from the corridor for security and safety issues. He stated the bridge would stay located over the ditch and would be for emergency access only. The School continues to outgrow itself and creative thinking is warranted regarding placement of additions etc. onsite. The Surveyor reiterated detention would be provided as part of the future expansion projects and agreed with their plans. They have met and reviewed the proposed plans for any potential problems to downstream landowners in the interim. He recommended approval with the conditions as stated on the October 27, 2017 Burke memo. There was no public comment. David Byers made a motion to approve the Harrison High School Tennis Complex with the conditions as stated on the October 27, 2017 Burke memo. Tracy Brown seconded the motion. Motion carried.

Public Comment

There was no public comment. David Byers made a motion to adjourn. The meeting was adjourned.



Thomas P. Murtaugh, President



David S. Byers, Vice President



Tracy Brown, Member



Brenda Garrison, Secretary

TIPPECANOE COUNTY DRAINAGE BOARD

April 10, 2019

Drainage Board Meeting Minutes

Those present were:

Tippecanoe County Drainage Board President Tracy A. Brown, member David S. Byers, County Surveyor Zachariah Beasley, Drainage Board Attorney Doug Masson, Engineering Consultants; Dave Eichelberger from Christopher B. Burke Engineering LLC, and Drainage Board Executive Administrator Brenda Garrison. James Butcher, Surveyor Office Project Manager and Tim Walters, Surveyor's office GIS Technician were also in attendance. Vice President Thomas P. Murtaugh and Mabelle Watts Engineer from Butler Fairman and Siefert was absent.

Approval of Minutes

David Byers made a motion to approve the March 13, 2019 Drainage Board Meeting Minutes. Tracy Brown seconded the motion. Motion carried.

Harrison H.S. Driveway and Parking Lot Addition

Pat Jarboe of TBird Design Service approached the Board to present the Harrison H.S. Driveway and Parking Lot project for approval. The project site was located on the east side of CR50 West between CR's 500 North and 600 North and consisted of approximately 5.7 acres on the Harrison H.S. Campus. Two new dry detention ponds would be completed. He stated the new south detention basin would be located adjacent to the new parking lot addition and the new access drive addition. The south basin design would collect runoff from the existing parking areas, tennis courts, natatorium and gym projects as well as future building additions. The north basin located near CR600 North was smaller and would collect runoff from the new access drive. The overall site's runoff currently drained to Cole's Ditch and Burnett Creek and would continue in both directions. Mr. Jarboe stated he had been working closely with Mike Spencer and Stu Kline in the County Highway Dept. regarding the access drive off CR 600 North. He noted they were conducting a study of the road intersections at this site for safety reasons. He then asked for approval by the Board. Responding to the Surveyor's inquiry, Mr. Jarboe stated the study was contingent upon review of the project completion this calendar year. He stated they hoped to have the project go to bid this summer and completed before asphalt plants close in November. Once the project was completed the County Highway Department will review how it was operating and confer with the Engineers. (intersection at CR 650, new intersection on CR 600 North and intersections north of the campus) Options were being considered at this time but was contingent upon the cost and necessity once the project was completed. The Surveyor stated a cemetery was located immediately south, southeast of the south basin designed. Mr. Jarboe stated they had conducted due diligence and were in contact with DNR, The Historic Preservation concerning the cemetery and were aware of the rules/guidelines regarding construction near a cemetery site.

The Surveyor stated while he recommended construction approval for this project, he would like to stress the importance of the Tippecanoe School Corporation to update their Master plan for this site and other campuses within their jurisdiction. He stated he could not understate the importance of revising Master Plans for the campuses moving forward. He stated he was willing to work with TSC to on this issue and recommended the Board request the revisions to the plans as stated of the School Corporation. The Surveyor stated he felt they should be more proactive and not reactive. Mr. Jarboe stated he agreed and hoped the TSC would provide Master Plans for their campuses. The Surveyor recommended construction approval with the conditions stated on the April 4, 2019 Burke review memo.

Responding to Commissioner Byers inquiry, Mr. Jarboe stated although reviewed -due to cost underground storage was not considered due to cost. Responding to Commissioner Byers inquiry, Mr. Jarboe stated this design would not alleviate the "swampy area". He noted there was a spring onsite. While two 6' culverts would be installed with this project at the new access drive location off CR 600 North. Commissioner Byers made a motion to grant construction approval with the conditions as set forth in the April 4, 2019 Burke memo. Commissioner Brown seconded the motion. Motion carried.

Zach Beasley/Other Business
Alexander Ross Outlet Improvement Easement Resolution #2019-01-DB

The Surveyor presented the Alexander Ross Resolution #2019-01-DB for approval by the Board. He noted after the project got underway, it was found that an additional easement of approximately 3800 square foot located on the East side of I 65 was required for the basin which the two 42" pipes were jack and bored under the interstate outlet into to. The acquisition of the additional Easement would rectify the need. He recommended the Board sign "Resolution #2019-01-DB Authorizing Easement Acquisition and Resolution of Potential Claim Concerning Alexander Ross Regulated Drain Outlet Improvement". David Byers made a motion to approve the Resolution #2019-01-DB as presented. Tracy Brown seconded the motion. Motion carried. The Surveyor noted the Alexander Ross Outlet Improvement project was moving along with just a few hiccups - not surprising in such a large project as this one.

Informal Meetings Update

The Surveyor informed the Board three informal meetings had been held on three drains within the county as follows: John Bone Private Drain, Beutler Gosma Regulated Drain #95 and the Berninger Branch of the Moses Baker Regulated Drain #114. They went very well. He thanked Commissioner Byers for attending two of the three meetings. He reminded the Board a June 5, 2019 Landowner Reconstruction Hearing was scheduled for the John Bone Private Drain.

Public Comment

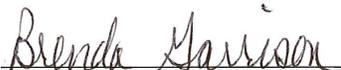
As there was no public comment, Commissioner Byers moved to adjourn. The meeting was adjourned.



Tracy A. Brown, President

ABSENT

Thomas P. Murtaugh, Vice President



Brenda Garrison, Executive Administrator



David S. Byers, Member