

PORTER COUNTY STORMWATER ADVISORY BOARD

March 11, 2019

LOCATION: County Administrative Center, Ste 205 TIME: 5:00 p.m.
155 Indiana Avenue, Valparaiso IN

MEMBERS IN ATTENDANCE

Bob Gilliana, Jay Hunter, Paul Nelson, Fred Martin, Jeremy Rivas and Scott Severson, were present. Jeff Good was absent. Also in attendance were Clay Patton-Attorney, Kevin Breitzke, Mike Novotney, Bob Thompson and staff.

All Recommendations will be voted on at the next Storm Water Management Board meeting

New Business:

Docket No.: SM-19-0015

Applicant: Olthof Homes Inc

Location: East of CR 250 W, south of CR 550 N (adjacent to Tower Meadows Subdivision)

Request: Discuss storm water management plan for proposed 78-lot Magnolia Meadows subdivision and responsibility for maintenance of storm water infrastructure to be located therein.

Ed Rechtenwald of Olthof Homes presented on behalf of the applicant.

Staff Findings and Recommendations:

The proposed 78-lot Magnolia Meadows Subdivision (major subdivision) is currently under review at the Department in preparation for presentation of the proposed development to the Plan Commission.

DLZ has done two reviews of the proposed storm water management plan for the project. The Department has just received a re-submittal from the applicant in response to the comments generated during Review #2.

This case is presented tonight to discuss the proposed storm water management plan and responsibility for the maintenance of the storm water infrastructure to be located within the proposed development.

When the public improvements located within the development are accepted, the storm water infrastructure may become public infrastructure which would charge Porter County with the inspection, maintenance, and repair or it may remain private infrastructure, which would charge the property owners with the inspection, maintenance and repair of the infrastructure. At a minimum, staff recommends the responsibility for inspection, maintenance and repair of the storm water infrastructure located within the proposed development be given to a property owners' association. Given the general case history of property owners associations; efforts to maintain storm water infrastructure across Porter County, it is staff's recommendation that the storm water infrastructure located within and serving the proposed

development become public infrastructure at the time of preliminary acceptance of the public improvements located within the development.

Given the status of the storm water/management/drainage plan, the Storm Water Advisory Board may request that the applicant return at a later date with a complete storm water management/drainage plan that appears to conform to Porter County's Storm Water Standards before making a recommendation regarding the maintenance of the storm water infrastructure to be located within the proposed development.

Discussion: This has to go in front of the Plan Commission for review. They have to have all approvals before going to the Plan Commission.

Motion: Jeremy Rivas moved to make the storm water infrastructure public contingent upon review and Plan Commission approval. Paul Nelson seconded the motion and so approved.

Docket No.: SM-19-0016

Applicant: Luke Goetz – 202 Rigg Road

Location: 451 E 400 N

Request: To construct a farm lane crossing of Hutton Ditch, Arm 1 (open drain) using a 6' diameter X 25' long culvert to provide access to land on each side of the ditch for farming purposes.

Luke Goetz 202 Rigg Road, Valparaiso, presented. There is a 30-acre piece that is landlocked. He needs access to farm it. He recently bought this land. The previous owner had access but that is not available to him.

Staff Findings and Recommendations:

Staff has reviewed the application and accompanying sketch plan, has reviewed the upstream and downstream crossings of Hutton Ditch, Arm 1 and has visited the site to view the proposed crossing location.

The following observations were made during field investigation work:

- Upstream (north) of the proposed culvert crossing, the nearest crossing is located at CR 525N. This crossing is a 48" diameter X 55' long corrugated metal pipe (CMP) culvert.
- Downstream (south) of the proposed culvert crossing, the nearest crossing is located at SR 2. This crossing consists of twin 16.6' (span) x 10' (rise) CMP arch culverts. The drainage area to this point is approximately 5.0 sq. mi.
- Bankfull (or channel forming) width in the vicinity of the proposed crossing is approximately 12-14 feet.
- Bankfull (or channel forming) height in the vicinity of the proposed crossing is approximately 4-5 feet (from thalweg to bankfull shelf).
- Distance from top of bank to top of bank in the vicinity of the proposed crossing is approximately 40'.

- Bank height, from thalweg to top of bank, in the vicinity of the proposed crossing is approximately 9-10 feet.

Per the Indiana Peak Discharge Determination System (INPDDS), the drainage area to the location of the proposed crossing is approximately 4.2 sq. mi., with a peak discharge of approximately 390 CFS.

The applicant is proposing a 6' diameter X 25' long CMP culvert. Staff has concerns about such proposal. A larger single culvert would be needed to address the criteria outlined above, including spanning the bankfull (or channel forming) width, accommodating the bankfull depth, and providing as large an opening as possible to convey peak flows. Based on the observations made during the field investigation work, a longer culvert is also recommended to provide stable slopes on the upstream and downstream sides of the proposed culvert crossing.

Given the scope, extent and character of the work, applicant will need to obtain permits/authorizations for the proposed crossing from State and Federal agencies, including USACE, IDEM and IDNR. Staff can help with this.

At this time staff would recommend continuing this case.

Discussion: Luke has not had any conversations with State or Federal agencies regarding this project.

Motion: Jeremy Rivas moved to table Case SM-19-00169 to allow applicant time to apply with State and Federal agencies. Bob Gilliana seconded the motion and so approved.

Presentation:

Mike Novotney presented the 2018 Annual Report. This is a draft and the final product will be ready for distribution tomorrow.

Project Updates:


Mike Novotney gave an update on projects. Construction continues on the NE Storm Sewer project in Old South Haven. The televising and cleaning of storm sewers is 60% done. Mike is still working with FEMA on the 2018 flooding money.

Open for Discussion: Kevin Breitzke discussed a detention pond system out letting into a tile system. The Board should stay away from allowing this to happen.

The next scheduled meeting is April 8, 2019 at 5:00 p.m. There being no further business, the meeting recessed.



Scott Severson, President



Mike Novotney, Engineer/Program Director