

- 1) Re Golden Meadows Park, what will be the total cost attributable to the Proposed Storm Sewer pipe that connects on the South (benefiting BrynHaven Sub)? Is it found in Table 15 on p.35 of Report?

The total cost of the proposed storm sewer would be approximately \$470,000. There is a significant cost associated with the construction of this pipe because it would have to be tunneled under the railroad property. This cost is included in the cost estimates provided in Table 15 of the report.

And, re above, will we need consent of UPRR?

Yes, any work within the railroad right-of-way would require their permission.

- 2) Re East End, of the 8 Geneva Ave. homes, how many are on East side/West side of street, respectively?

For the July 2010 storm event, a total of nine homes are flooded: five homes are on the east side of the street and four homes are on the west side of the street. For the 100-year design storm event, only eight homes are flooded: five homes are on the east side of the street and three homes are on the west side of the street.

Re: homes on East side of Geneva Ave., does overland water come from street, or from East End Park, or from combination?

The answer is both. The general overland flow path is from west to east toward the low spot on Geneva Avenue. Stormwater will pond in the street before eventually rising to the point where it can flow through the properties on the east side of Geneva Avenue toward East End Park. During significant storm events, East End Park fills up and the water level in the park can reach Geneva Avenue, which creates a level pool throughout this area.

- 3) Re Tables 21 & 22, why are 9 Geneva homes mentioned on Table 21, while 8 on Table 22?

Table 22 should read nine homes. Based on our analysis, there were nine homes that flooded during the July 2010 storm event and this would be our recommended number of flood proofing candidates.

- 4) Re Table 22, what does it mean that 16 homes get "removed" under the 50 yr. Alternative, while 20 get "removed" under the 100 yr.? Does "remove" mean "protect?" In other words, do they protect 4 more homes by going from 50 yr. to 100 yr. ?

That is correct, by saying "removed," we are saying that 16 homes that would flood during a 50-year frequency storm event under today's conditions, would no longer flood during the same storm event if these improvements were implemented. Likewise, there are 20 homes that would flood during a 100-year frequency storm event today, which would no longer flood during the same storm event if these improvements were implemented.

- 5) What does it mean that "flood proofing" of 10,000 per home is mentioned for all 8 Geneva Ave homes, yet Flood proofing is mentioned for only 5 Pine St. homes?

We identified flood proofing candidates as those houses that experience shallow flooding depths (less than one foot). Flood proofing measures such as installing glass block windows, raising window wells, etc. are a potential option to protect homes from flooding. Because the depth of flooding is more significant in the Pine Street area, there are fewer candidates for flood proofing.

Does that mean that City thinks that flood proofing is impossible for 15 of the 20 Pine St. homes?

It is not impossible to implement flood proofing measures for these homes; i.e., glass block windows can be installed and the window wells can be raised. However, having a significant depth of flooding

adjacent to a structure can cause structural damage from the hydrostatic pressure, so these homes are not truly protected during flood events.

- 6) What is the Cost (estimated) of the "Proposed Redevelopment" of East End ? (i.e. the Park costs), [you previously said that Washington Park in DG cost 1.2 mil for Park & 1.6 mil. for excavation].

The estimated cost of the excavation and restoration of East End Park is approximately \$430,000. The estimated cost of the park amenities, based on the conceptual improvement plan, is approximately \$320,000. The total estimated cost of the project, including all drainage and park improvements is approximately \$1,620,000.